

Document Path: P:\Environmental\2012 + Projects\64300-9004 - CSXIT Carolina Connector\Environmental Assessment\GIS\Figure 1. Project Site Location.mxd



amec
foster
wheeler

720 Gracern Road, Suite 132
Columbia, SC 29210 USA
(803)-798-1200

Legend



Project Area

Figure 1. Project Location Map

CSX Carolina Connector Intermodal Rail Terminal
and Second Mainline Improvements
Edgecombe County, North Carolina

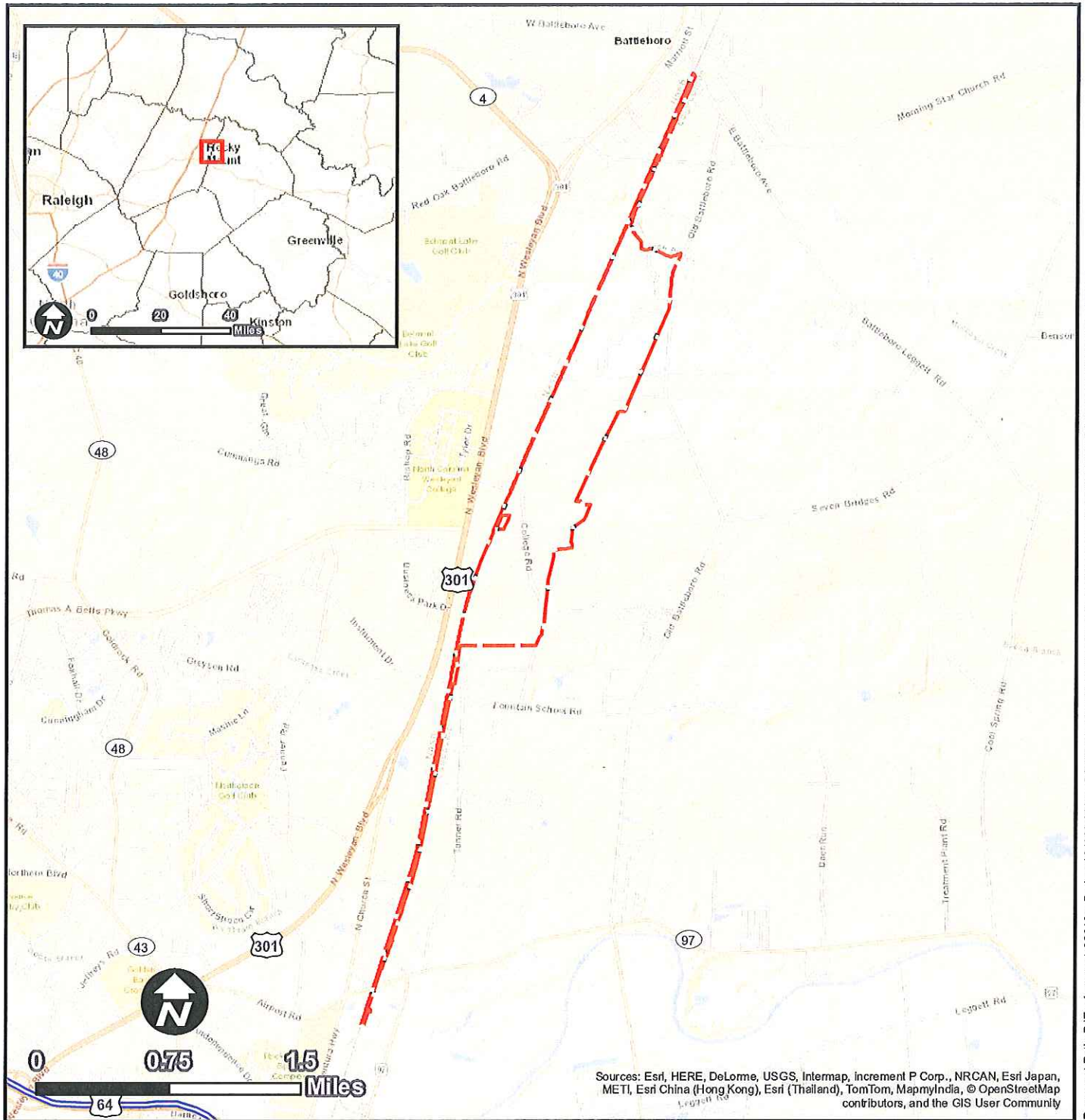
Job No. 643009004

Drawn By: BWS


Reviewed By: RH

Date: 7/19/2017

The map shown here has been created with all due and reasonable care and is strictly for use with Amec Foster Wheeler project number 643009004. Amec Foster Wheeler assumes no liability, direct or indirect, whatsoever for any such third party or unintended use.



Document Path: P:\Environmental\2012 + Projects\64300-9004 - CSXIT Carolina Connector\Environmental Assessment\GIS\Figure 2. CCX Project Component.mxd



**amec
foster
wheeler**

720 Gracern Road, Suite 132
Columbia, SC 29210 USA
(803)-798-1200

Legend

- CSXT Carolina Connector Intermodal Rail Terminal
- Interstate

Figure 2. CCX Project Component Map

CSX Carolina Connector Intermodal Rail Terminal and Second Mainline Improvements
Edgecombe County, North Carolina

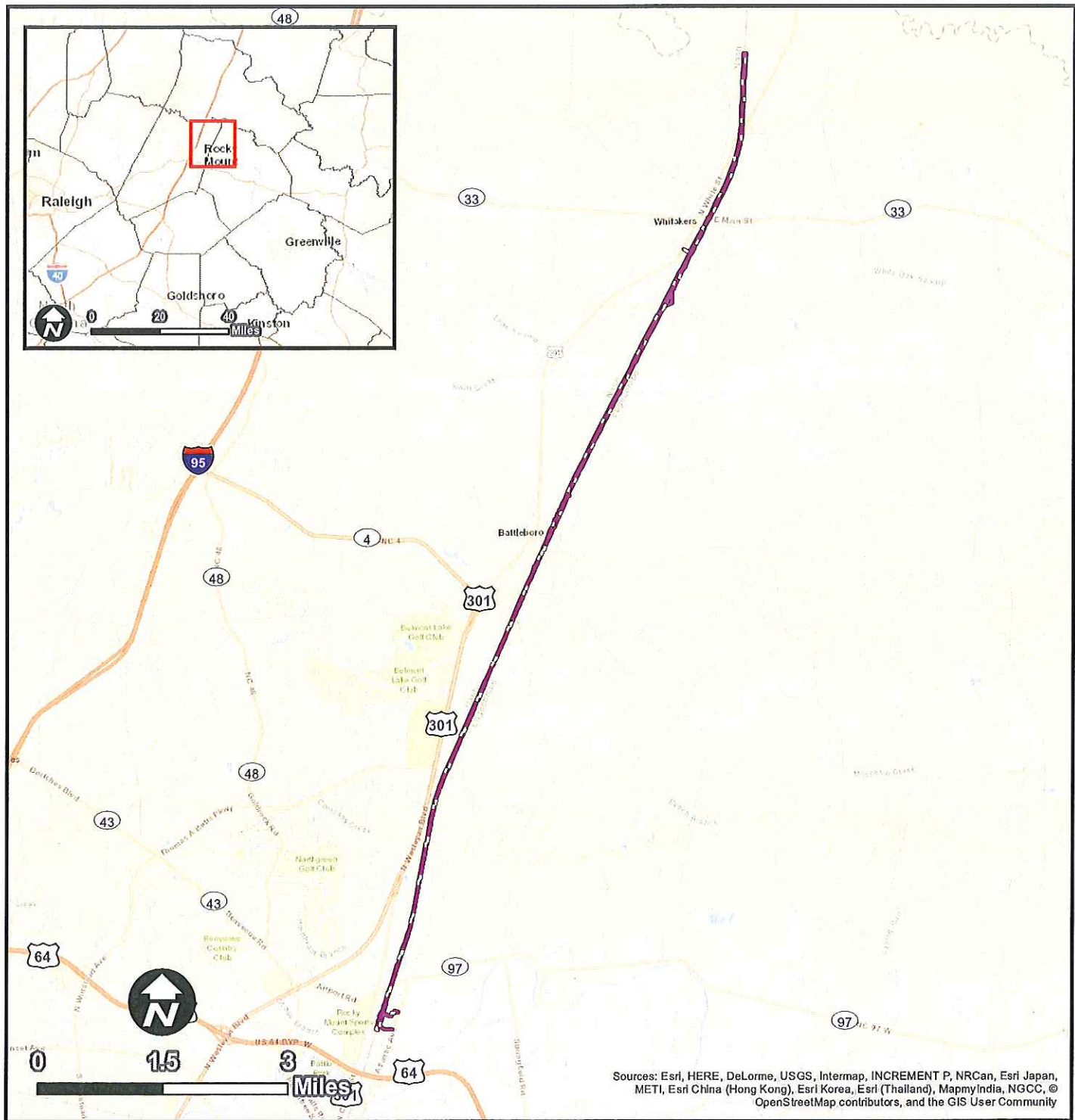
Job No. 643009004

Drawn By: BWS

Reviewed By: RH

Date: 7/20/2017

The map shown here has been created with all due and reasonable care and is strictly for use with Amec Foster Wheeler project number 643009004. Amec Foster Wheeler assumes no liability, direct or indirect, whatsoever for any such third party or unintended use.



Document Path: P:\Environmental\2012 + Projects\64300-9004 - CSXIT Carolina Connector\Environmental Assessment\GIS\Figure 3. Second Mainline Project Component.mxd



**amec
foster
wheeler**

720 Gracern Road, Suite 132
Columbia, SC 29210 USA
(803)-798-1200

Legend

-  Second Mainline Improvements
-  Interstate

Figure 3. Second Mainline Project Component Map
CSX Carolina Connector Intermodal Rail Terminal and Second Mainline Improvements
Edgecombe County, North Carolina

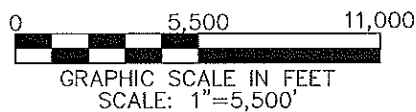
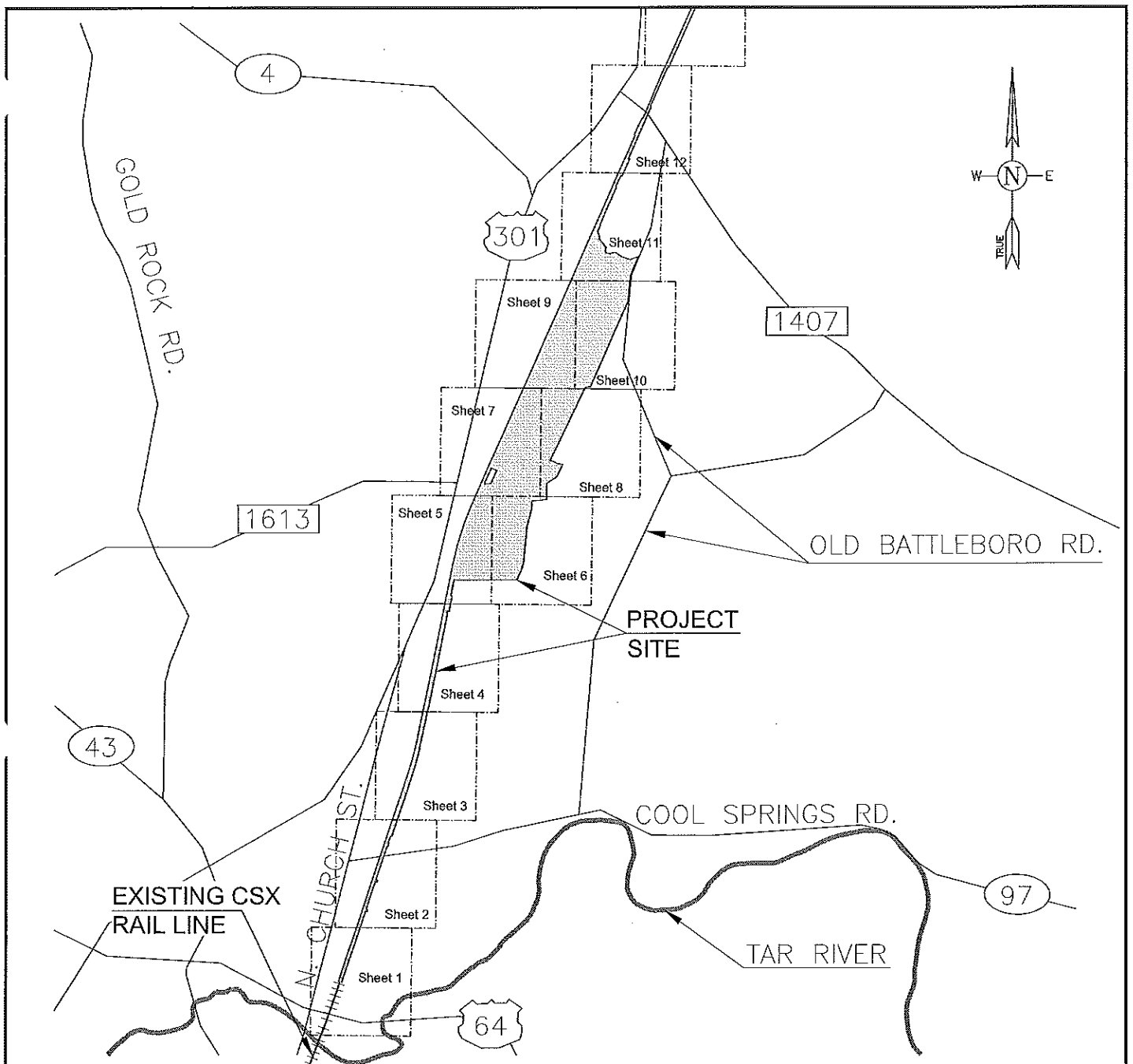
Job No. 643009004

Drawn By: BWS

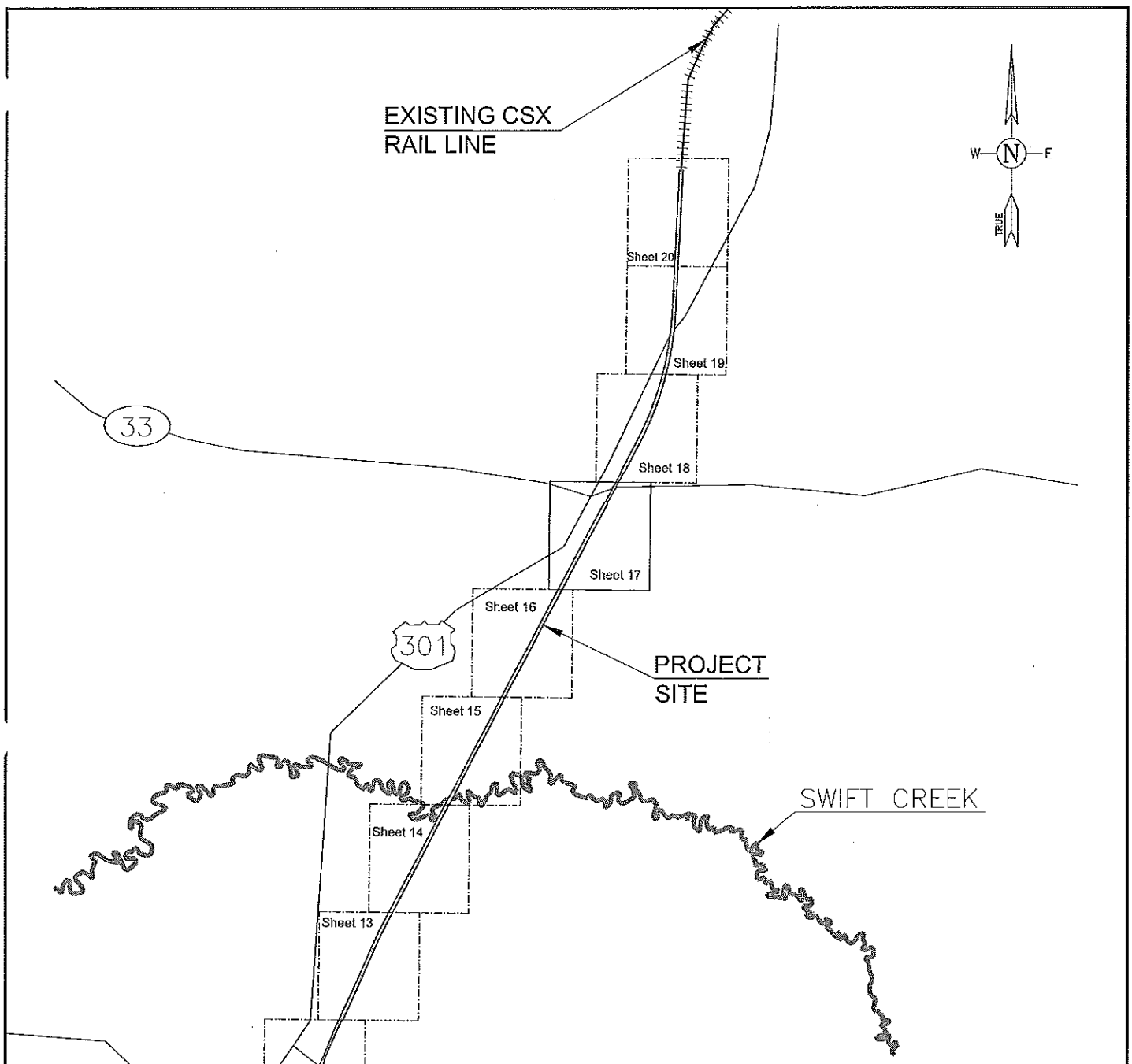
Reviewed By: RH

Date: 7/20/2017

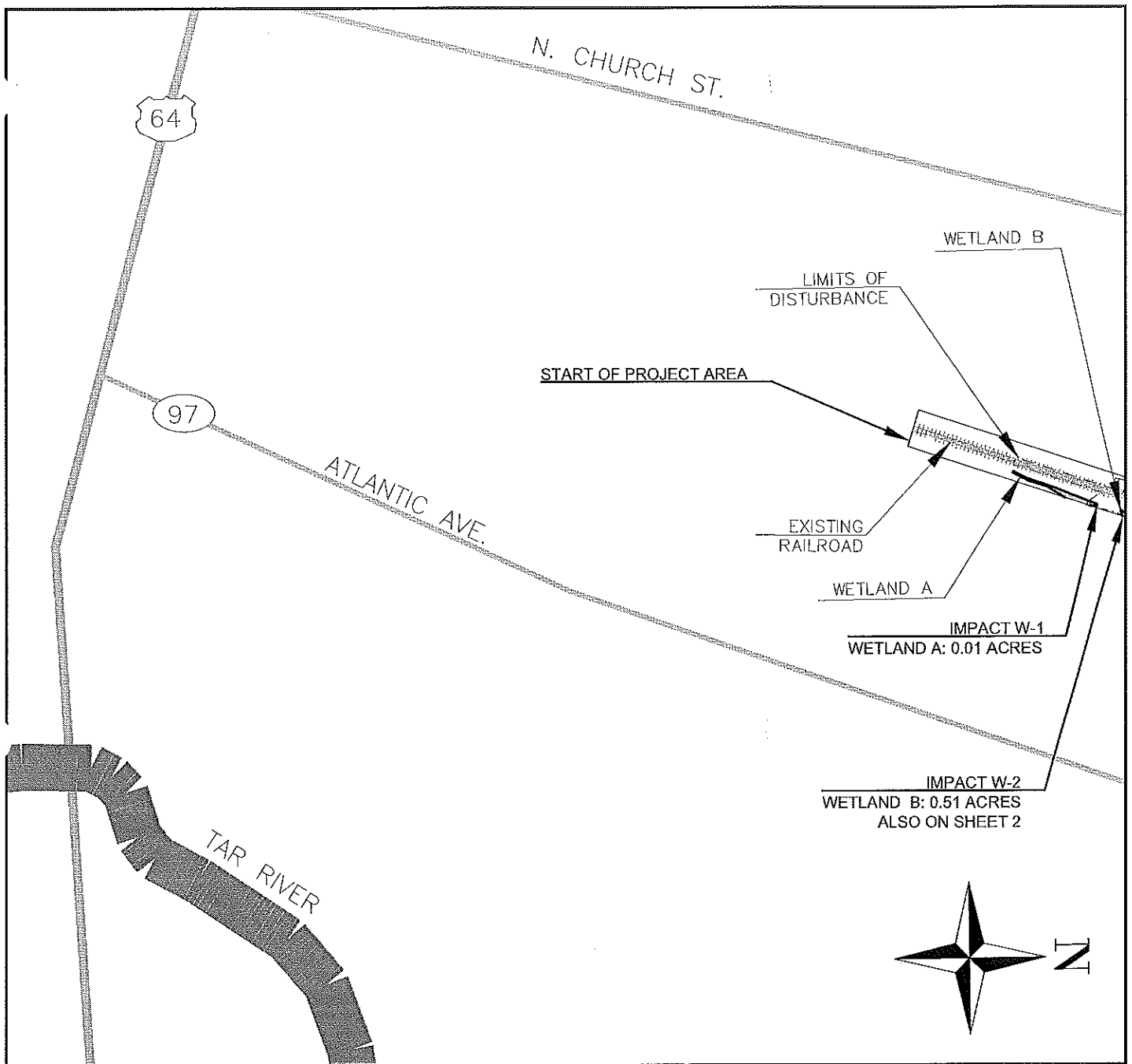
The map shown here has been created with all due and reasonable care and is strictly for use with Amec Foster Wheeler project number 643009004. Amec Foster Wheeler assumes no liability, direct or indirect, whatsoever for any such third party or unintended use.



INSET 1
 FOR
 CSX CAROLINA CONNECTOR INTERMODAL RAIL
 TERMINAL AND SECOND MAINLINE IMPROVEMENTS
 Edgecombe and Nash Counties, North Carolina



INSET 2
FOR
CSX CAROLINA CONNECTOR INTERMODAL RAIL
TERMINAL AND SECOND MAINLINE IMPROVEMENTS
Edgecombe and Nash Counties, North Carolina



LEGEND

Existing Major Road

CSX Project Area

Existing Railroad

Proposed Railroad

Limits of Disturbance

Proposed Intermodal Area Development

Proposed Culvert

Proposed Stormwater Pond

Jurisdictional Wetland

Proposed Wetland Fill

Proposed Stream Fill

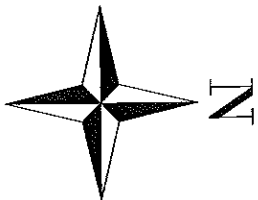
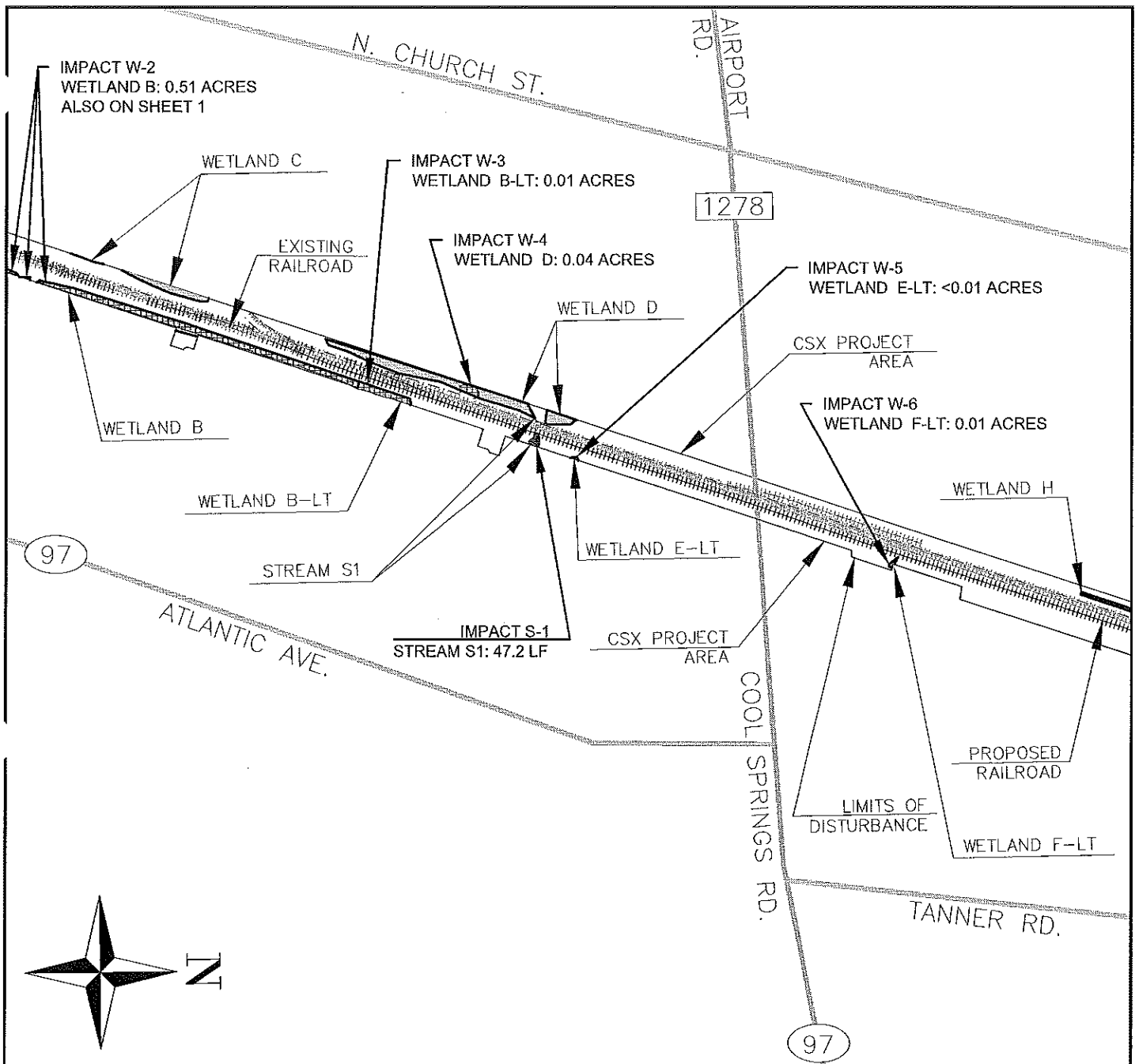
Proposed Open Water Fill



GRAPHIC SCALE IN FEET
SCALE: 1"=500'



Permit Drawings Sheet 1
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina



LEGEND

Existing Major Road

CSX Project Area

Existing Railroad

Proposed Railroad

Limits of Disturbance

Proposed Intermodal
Area Development

Proposed Culvert

Proposed Stormwater
Pond

Jurisdictional Wetland

Proposed Wetland Fill

Proposed Stream Fill

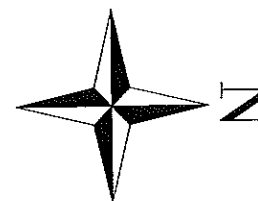
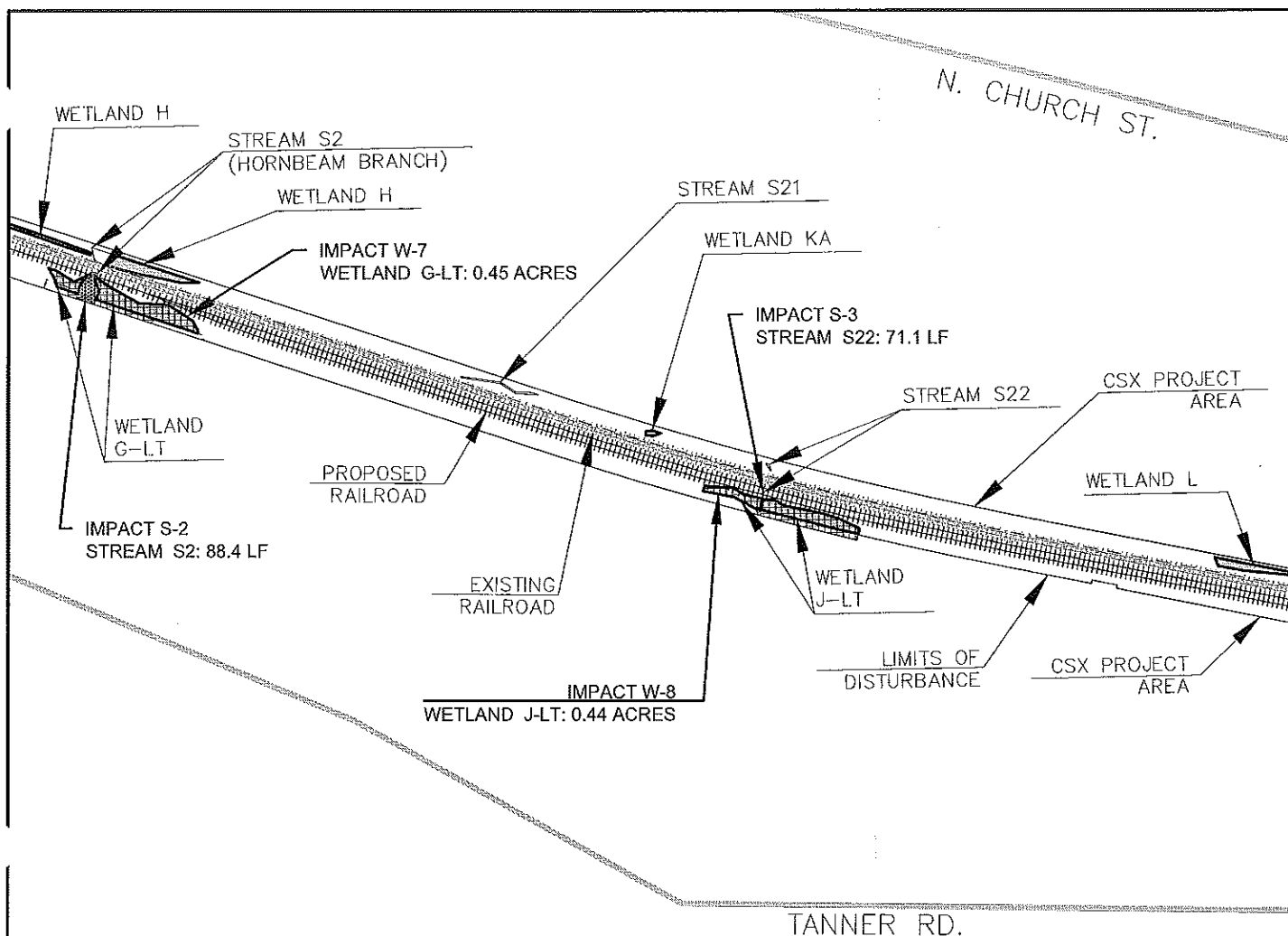
Proposed Open Water Fill



GRAPHIC SCALE IN FEET
SCALE: 1"=500'



Permit Drawings Sheet 2
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina



LEGEND

Existing Major Road

CSX Project Area

Existing Railroad

Proposed Railroad

Limits of Disturbance

Proposed Intermodal Area Development

Proposed Culvert

Proposed Stormwater Pond

Jurisdictional Wetland

Proposed Wetland Fill

Proposed Stream Fill

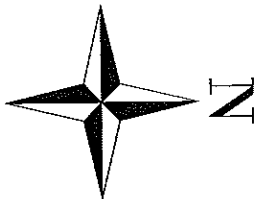
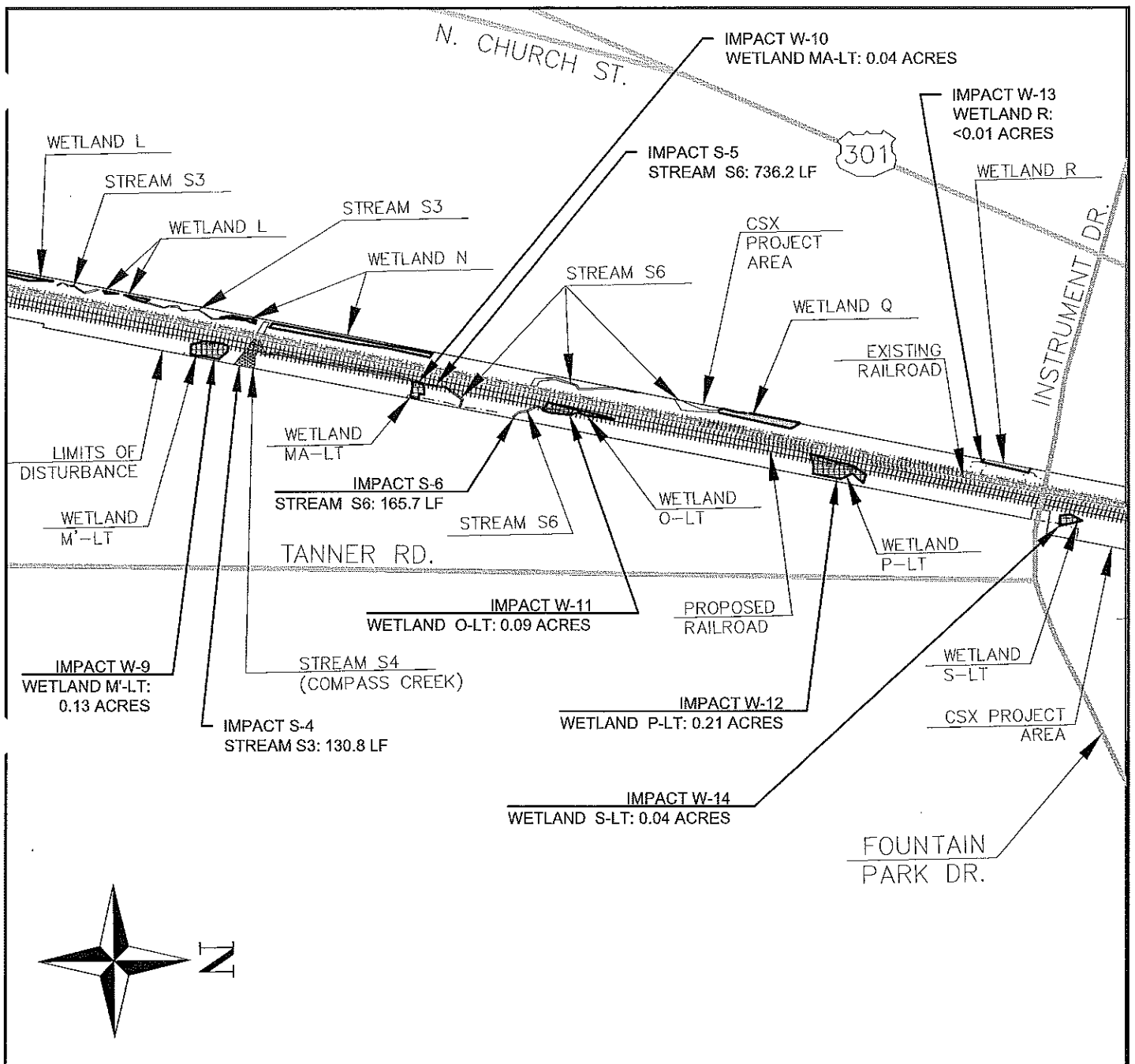
Proposed Open Water Fill



GRAPHIC SCALE IN FEET
SCALE: 1"=500'



Permit Drawings Sheet 3
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina



LEGEND

Existing Major Road

CSX Project Area

Existing Railroad

Proposed Railroad

Limits of Disturbance

Proposed Intermodal Area Development

Proposed Culvert

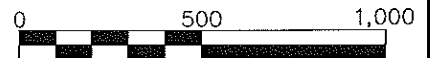
Proposed Stormwater Pond

Jurisdictional Wetland

Proposed Wetland Fill

Proposed Stream Fill

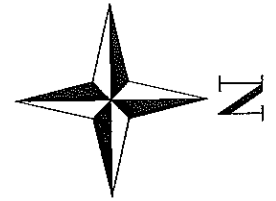
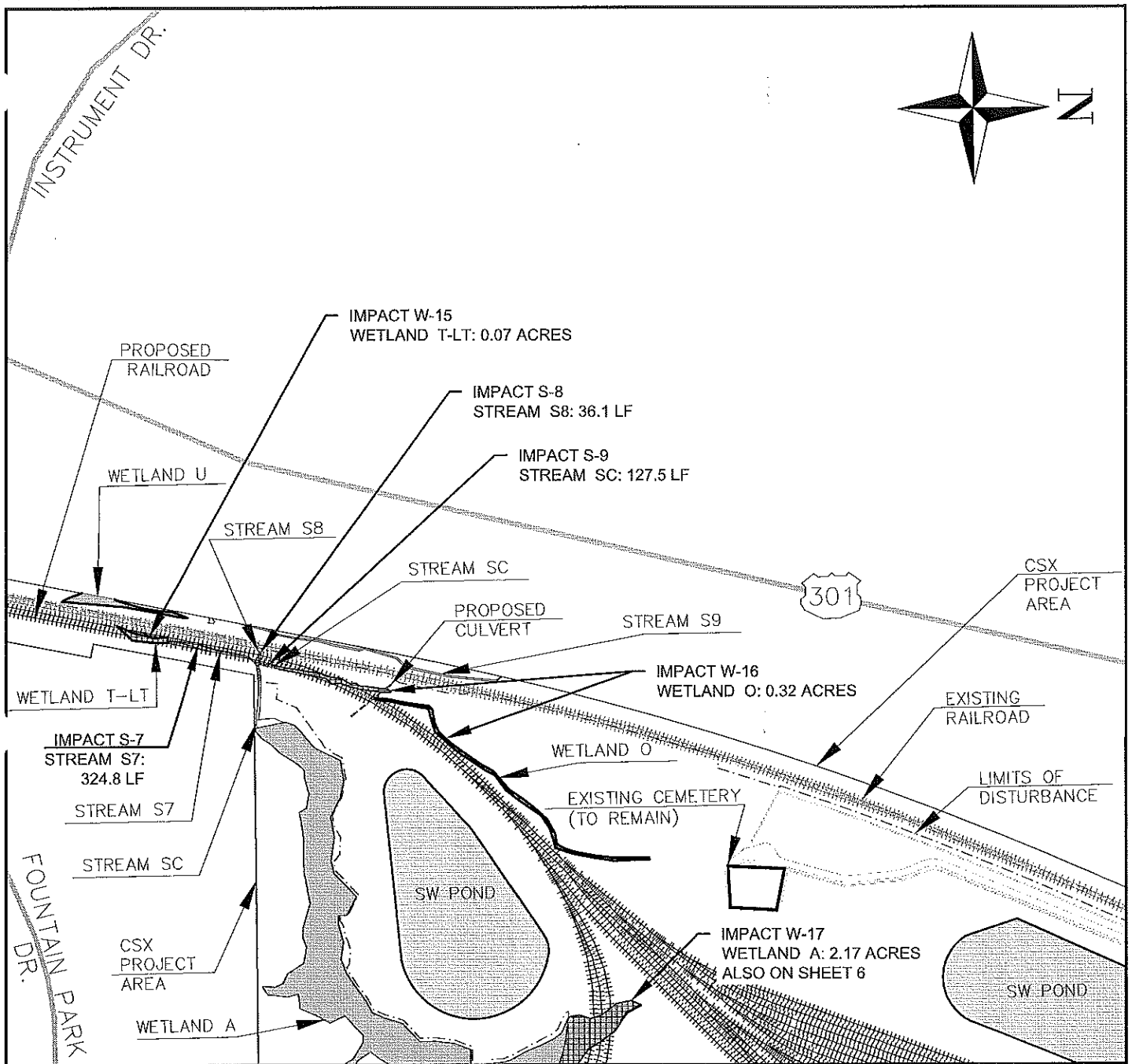
Proposed Open Water Fill



GRAPHIC SCALE IN FEET
SCALE: 1"=500'



Permit Drawings Sheet 4
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina



LEGEND

Existing Major Road

CSX Project Area

Existing Railroad

Proposed Railroad

Limits of Disturbance

Proposed Intermodal
Area Development

Proposed Culvert

Proposed Stormwater
Pond

Jurisdictional Wetland

Proposed Wetland Fill

Proposed Stream Fill

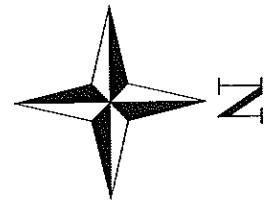
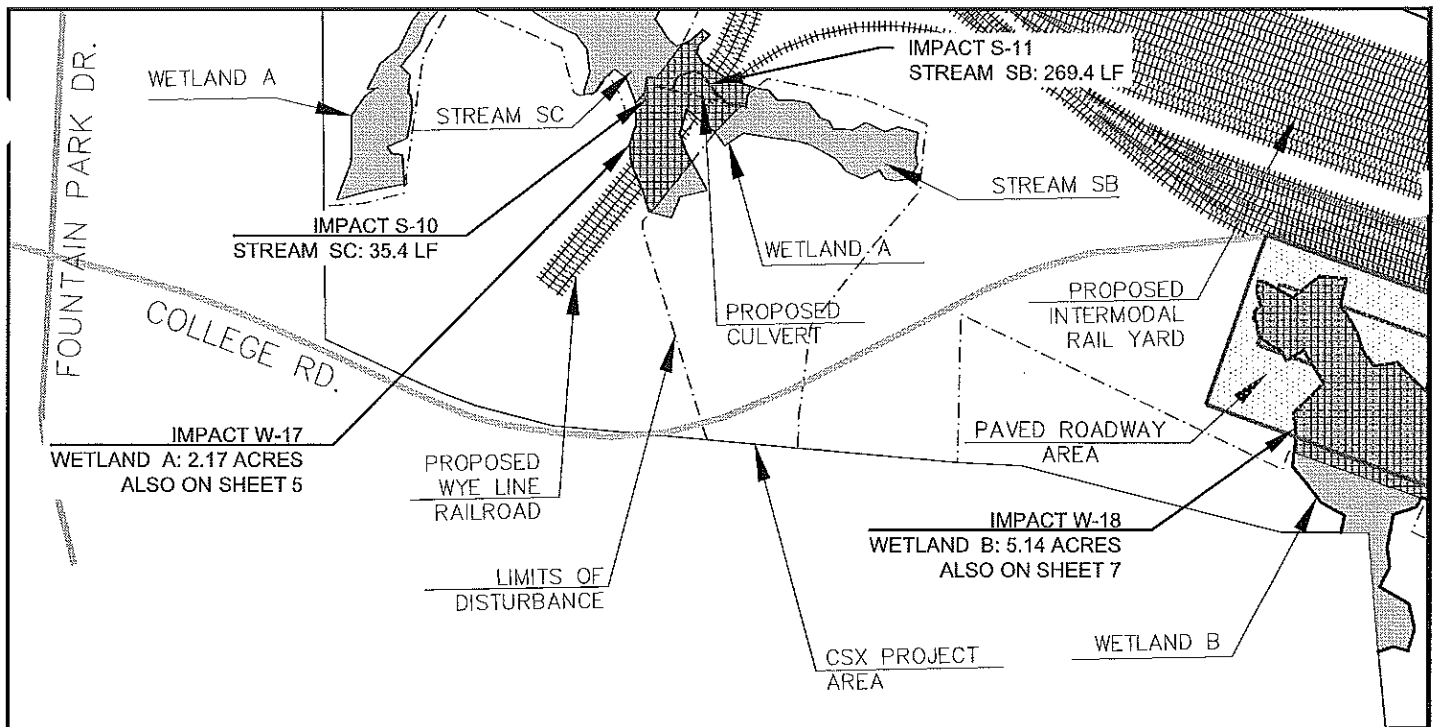
Proposed Open Water Fill



GRAPHIC SCALE IN FEET
SCALE: 1"=500'



Permit Drawings Sheet 5
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina

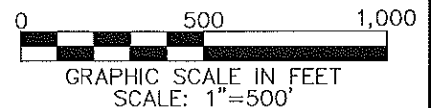


LEGEND

Existing Major Road
CSX Project Area
Existing Railroad
Proposed Railroad
Limits of Disturbance

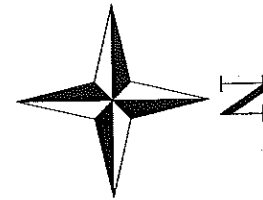
Proposed Intermodal Area Development
Proposed Culvert

Proposed Stormwater Pond
Jurisdictional Wetland
Proposed Wetland Fill
Proposed Stream Fill
Proposed Open Water Fill

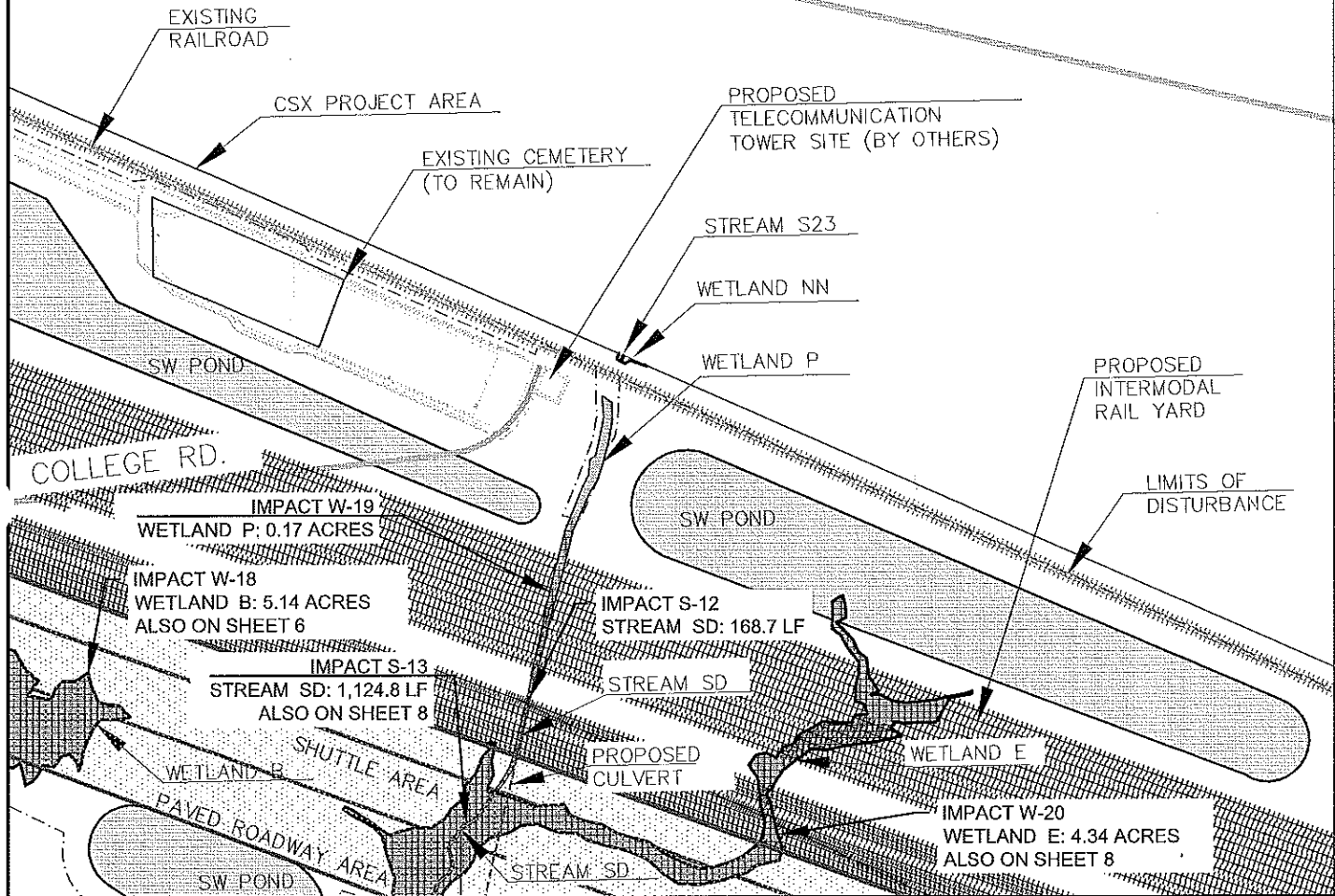


Permit Drawings Sheet 6
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina

1613

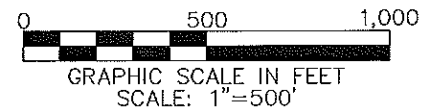


301

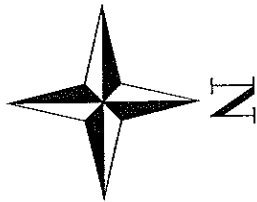
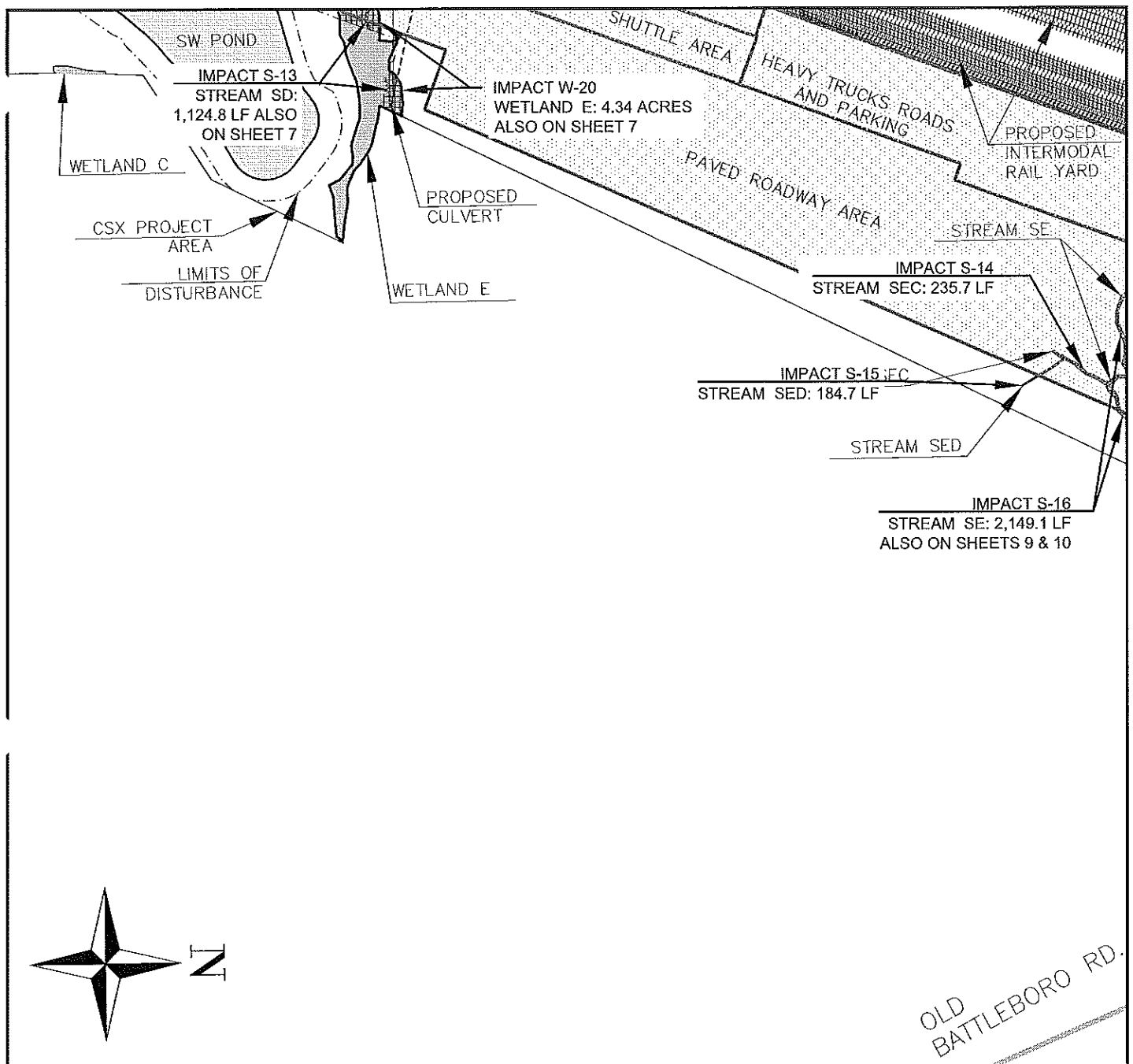


LEGEND

| | | | | | |
|--|-----------------------|--|--------------------------------------|--|--------------------------|
| | Existing Major Road | | Proposed Intermodal Area Development | | Proposed Stormwater Pond |
| | CSX Project Area | | Proposed Culvert | | Jurisdictional Wetland |
| | Existing Railroad | | | | Proposed Wetland Fill |
| | Proposed Railroad | | | | Proposed Stream Fill |
| | Limits of Disturbance | | | | Proposed Open Water Fill |



Permit Drawings Sheet 7
 CSX Carolina Connector Intermodal Rail Terminal and
 Second Mainline Improvements
 Edgecombe and Nash Counties, North Carolina



LEGEND

Existing Major Road

CSX Project Area

Existing Railroad

Proposed Railroad

Limits of Disturbance

Proposed Intermodal Area Development

Proposed Culvert

Proposed Stormwater Pond

Jurisdictional Wetland

Proposed Wetland Fill

Proposed Stream Fill

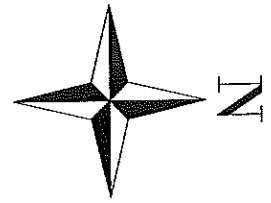
Proposed Open Water Fill



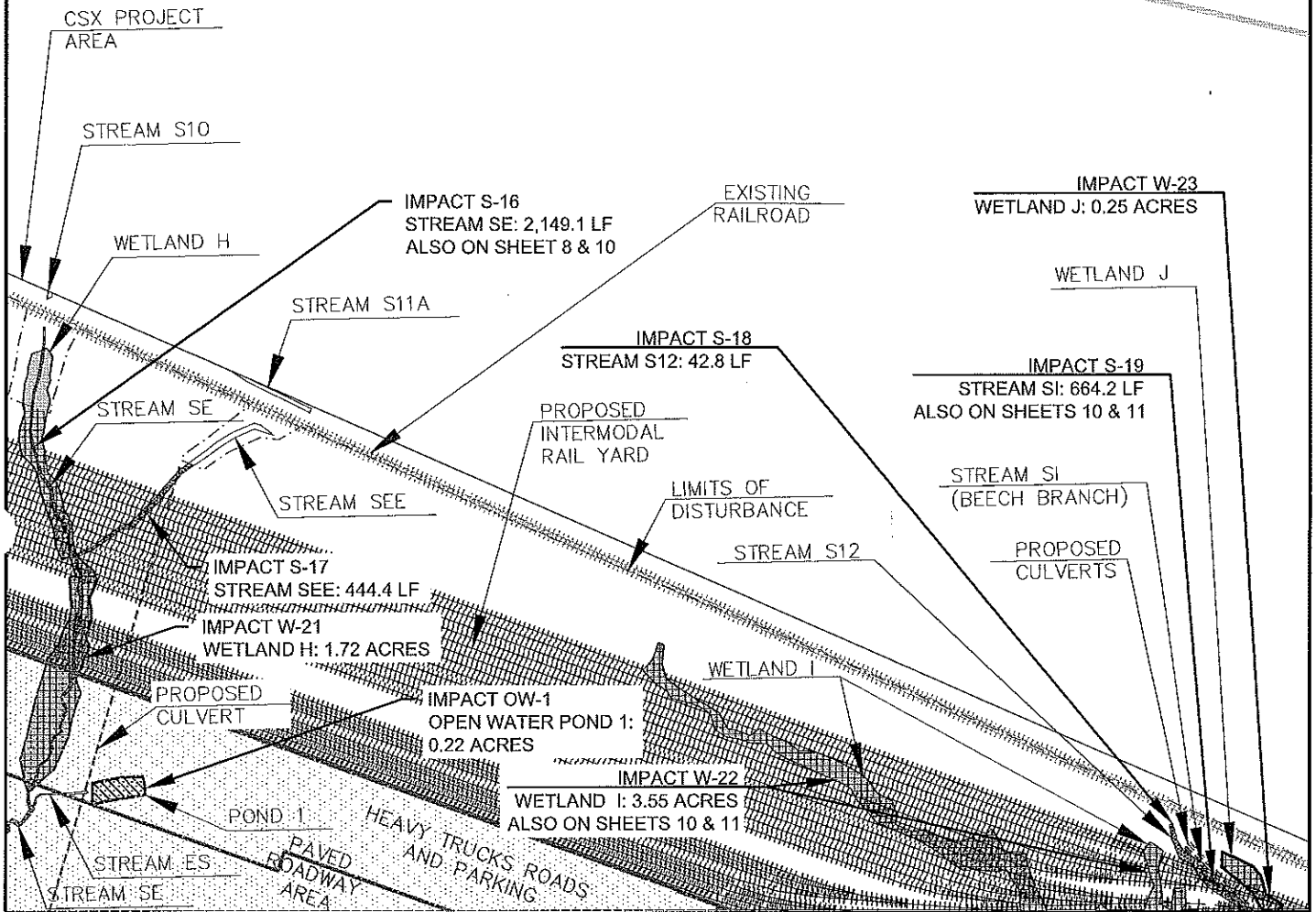
GRAPHIC SCALE IN FEET
SCALE: 1"=500'



Permit Drawings Sheet 8
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina



301



LEGEND

Existing Major Road

CSX Project Area

Existing Railroad

Proposed Railroad

Limits of Disturbance

Proposed Intermodal Area Development

Proposed Culvert

Proposed Stormwater Pond

Jurisdictional Wetland

Proposed Wetland Fill

Proposed Stream Fill

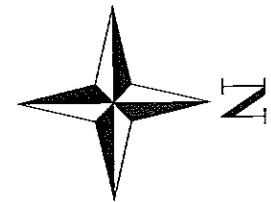
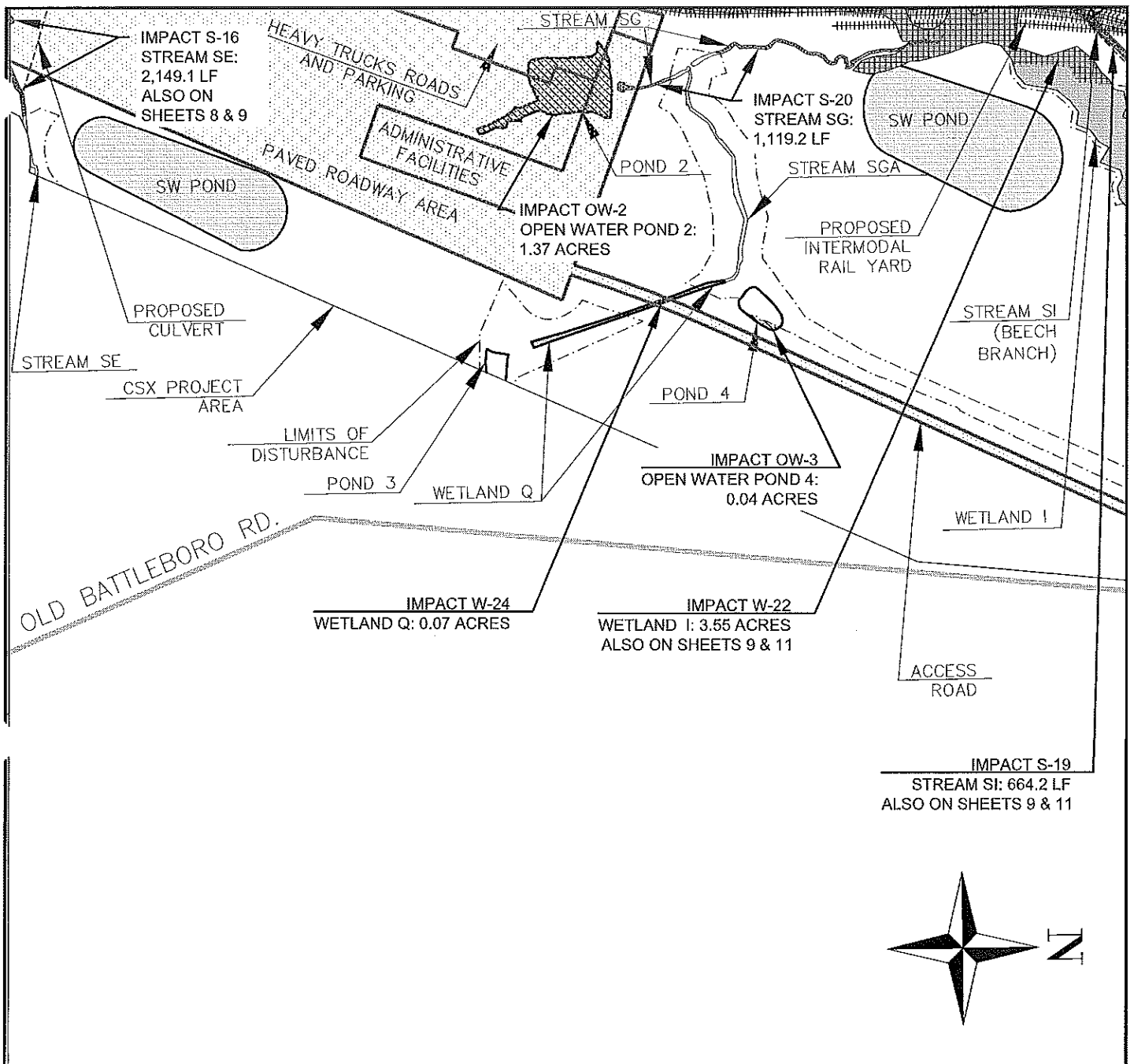
Proposed Open Water Fill



GRAPHIC SCALE IN FEET
SCALE: 1"=500'



Permit Drawings Sheet 9
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina



LEGEND

Existing Major Road

CSX Project Area

Existing Railroad

Proposed Railroad

Limits of Disturbance

Proposed Intermodal Area Development

Proposed Culvert

Proposed Stormwater Pond

Jurisdictional Wetland

Proposed Wetland Fill

Proposed Stream Fill

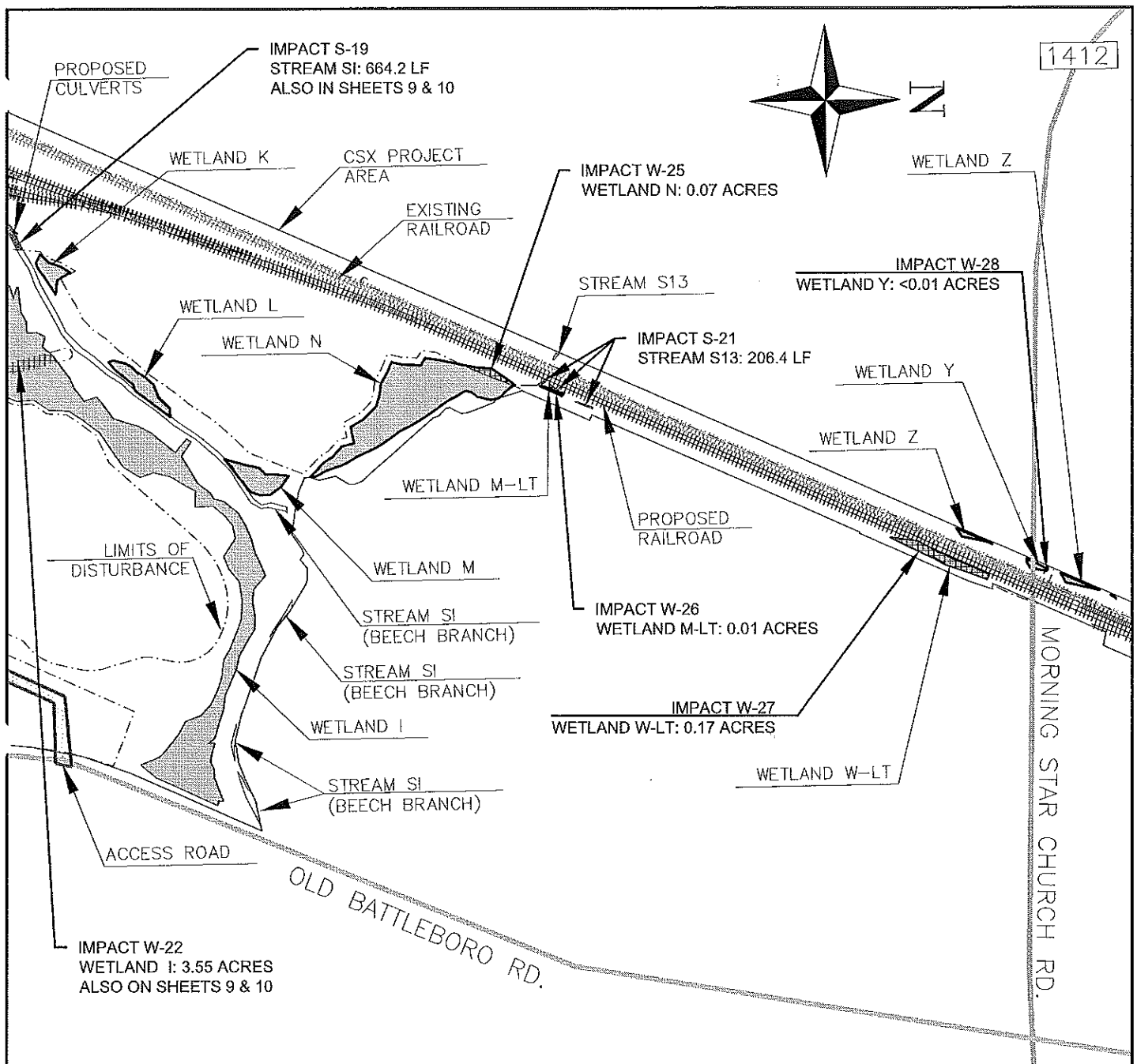
Proposed Open Water Fill



GRAPHIC SCALE IN FEET
SCALE: 1"=500'



Permit Drawings Sheet 10
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina



LEGEND

Existing Major Road

CSX Project Area

Existing Railroad

Proposed Railroad

Limits of Disturbance

Proposed Intermodal Area Development

Proposed Culvert

Proposed Stormwater Pond

Jurisdictional Wetland

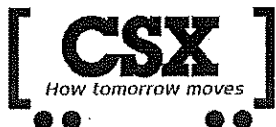
Proposed Wetland Fill

Proposed Stream Fill

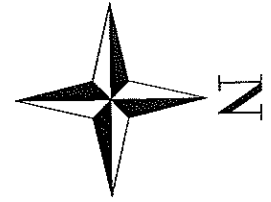
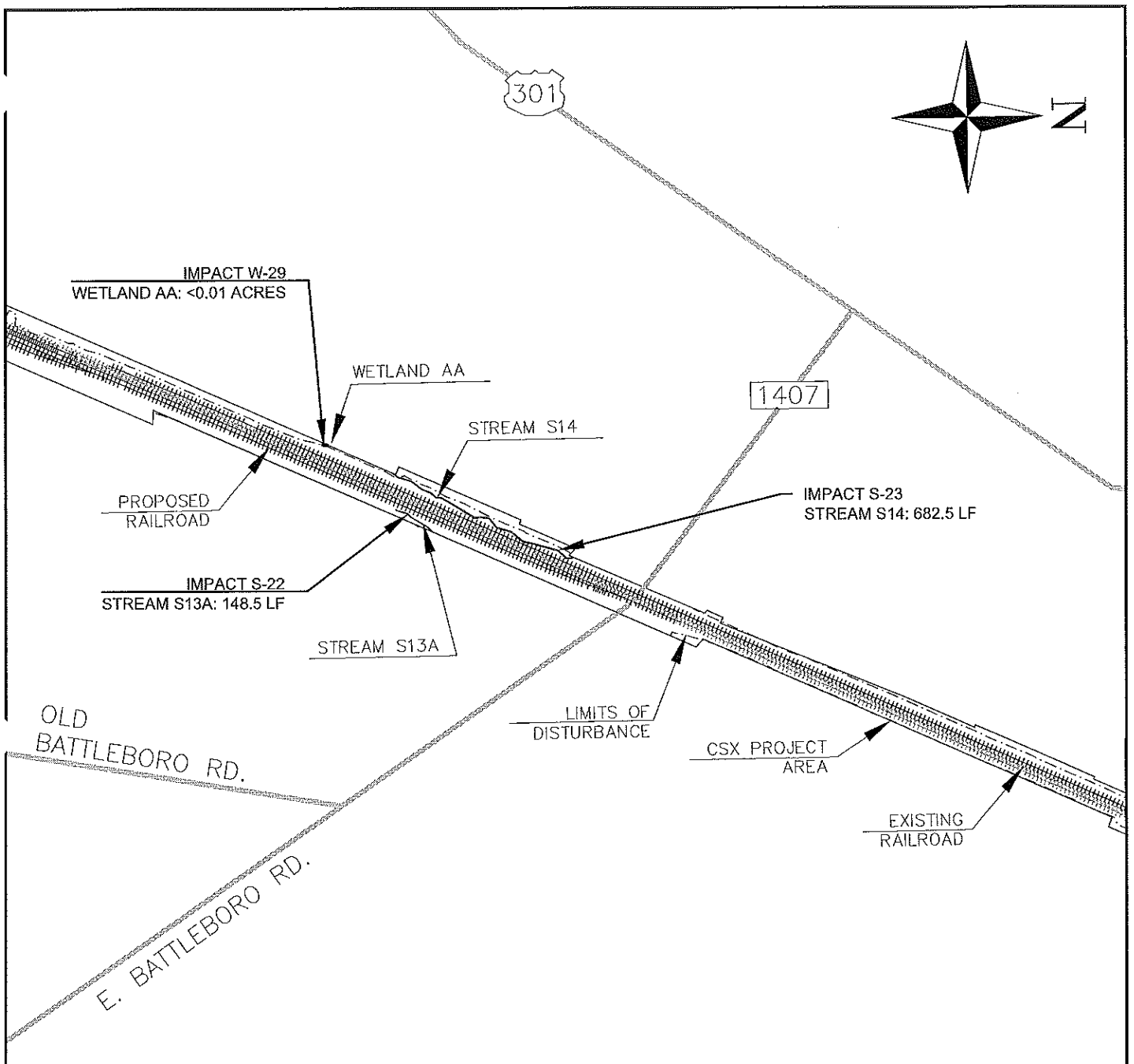
Proposed Open Water Fill



GRAPHIC SCALE IN FEET
SCALE: 1"=500'



Permit Drawings Sheet 11
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina



LEGEND

Existing Major Road

CSX Project Area

Existing Railroad

Proposed Railroad

Limits of Disturbance

Proposed Intermodal Area Development

Proposed Culvert

Proposed Stormwater Pond

Jurisdictional Wetland

Proposed Wetland Fill

Proposed Stream Fill

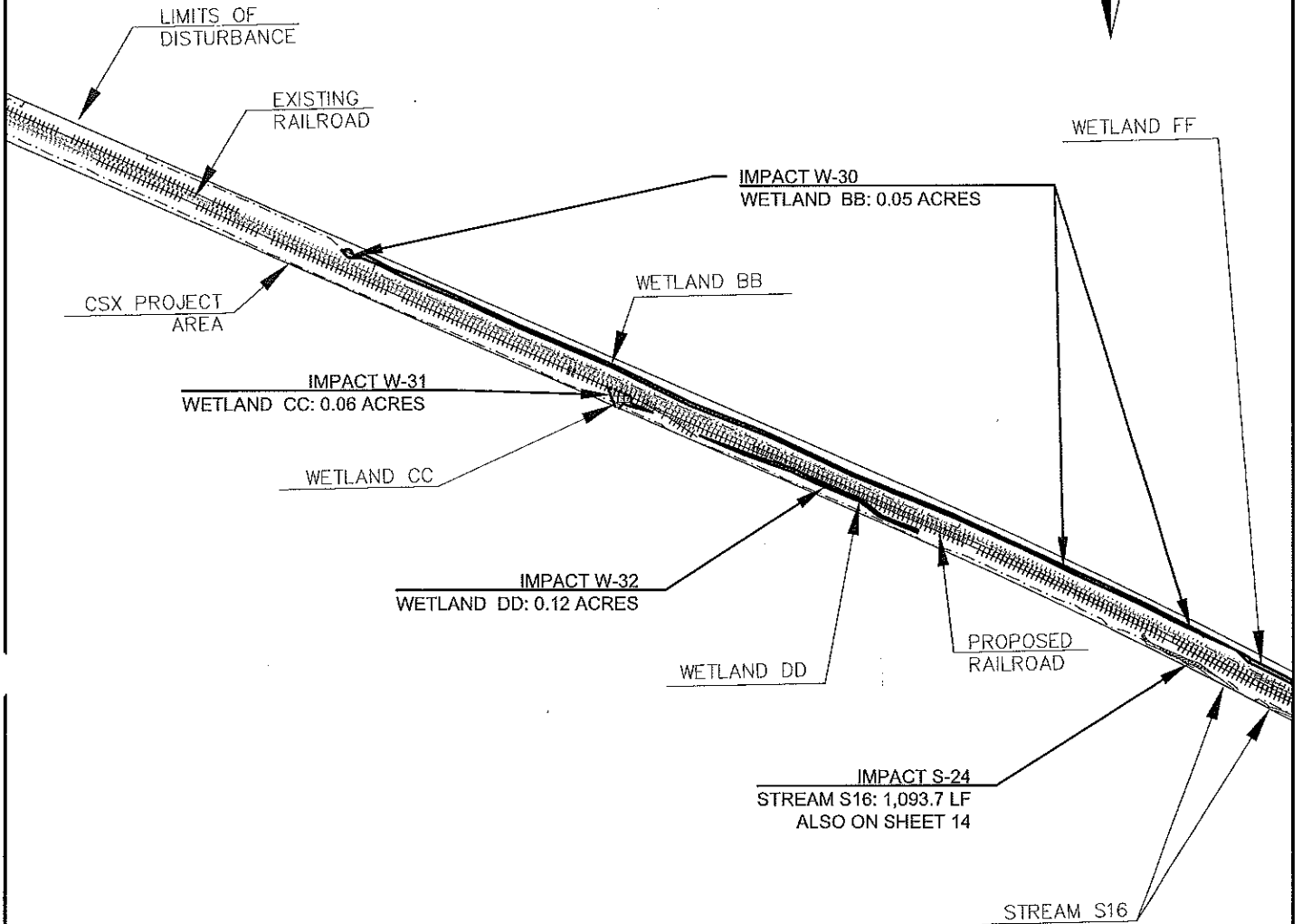
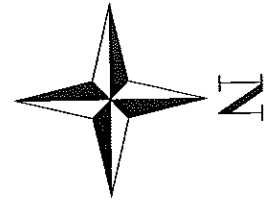
Proposed Open Water Fill



GRAPHIC SCALE IN FEET
SCALE: 1"=500'



Permit Drawings Sheet 12
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina

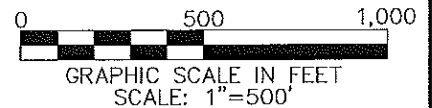


LEGEND

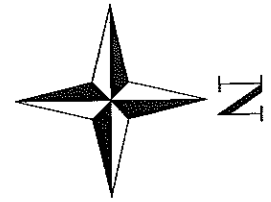
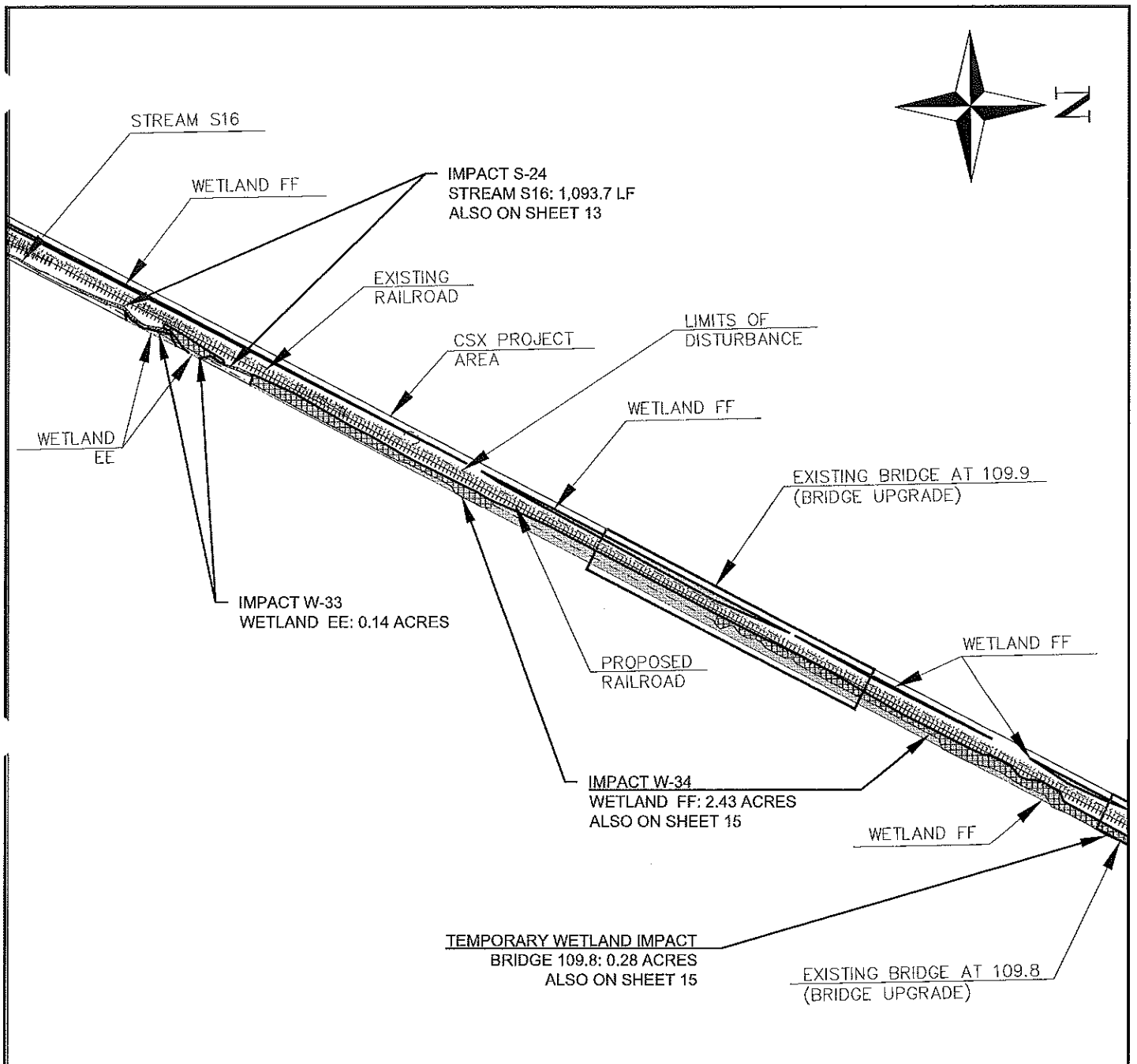
Existing Major Road
 CSX Project Area
 Existing Railroad
 Proposed Railroad
 Limits of Disturbance

Proposed Intermodal Area Development
 Proposed Culvert

Proposed Stormwater Pond
 Jurisdictional Wetland
 Proposed Wetland Fill
 Proposed Stream Fill
 Proposed Open Water Fill



Permit Drawings Sheet 13
 CSX Carolina Connector Intermodal Rail Terminal and
 Second Mainline Improvements
 Edgecombe and Nash Counties, North Carolina



LEGEND

Existing Major Road

CSX Project Area

Existing Railroad

Proposed Railroad

Limits of Disturbance

Proposed Intermodal Area Development

Proposed Culvert

Proposed Stormwater Pond

Jurisdictional Wetland

Proposed Wetland Fill

Proposed Stream Fill

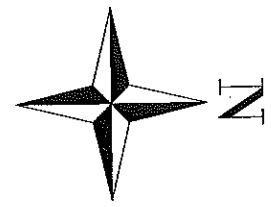
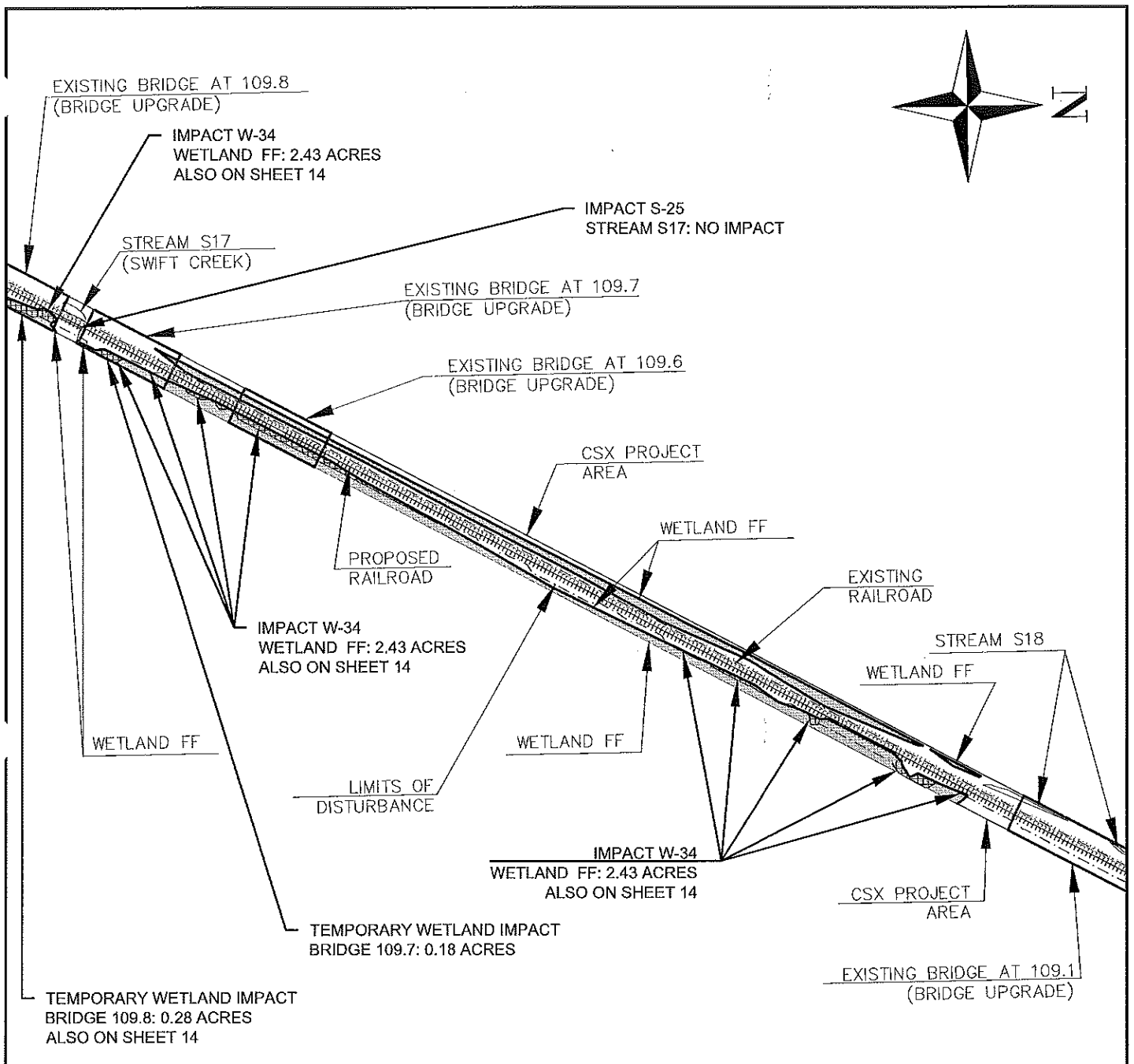
Proposed Open Water Fill



GRAPHIC SCALE IN FEET
SCALE: 1"=500'



Permit Drawings Sheet 14
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina



LEGEND

Existing Major Road

CSX Project Area

Existing Railroad

Proposed Railroad

Limits of Disturbance

Proposed Intermodal
Area Development

Proposed Culvert

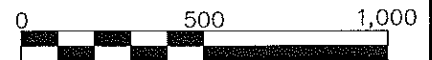
Proposed Stormwater
Pond

Jurisdictional Wetland

Proposed Wetland Fill

Proposed Stream Fill

Proposed Open Water Fill

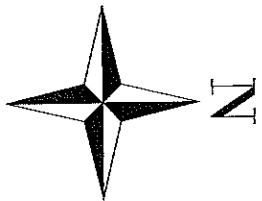
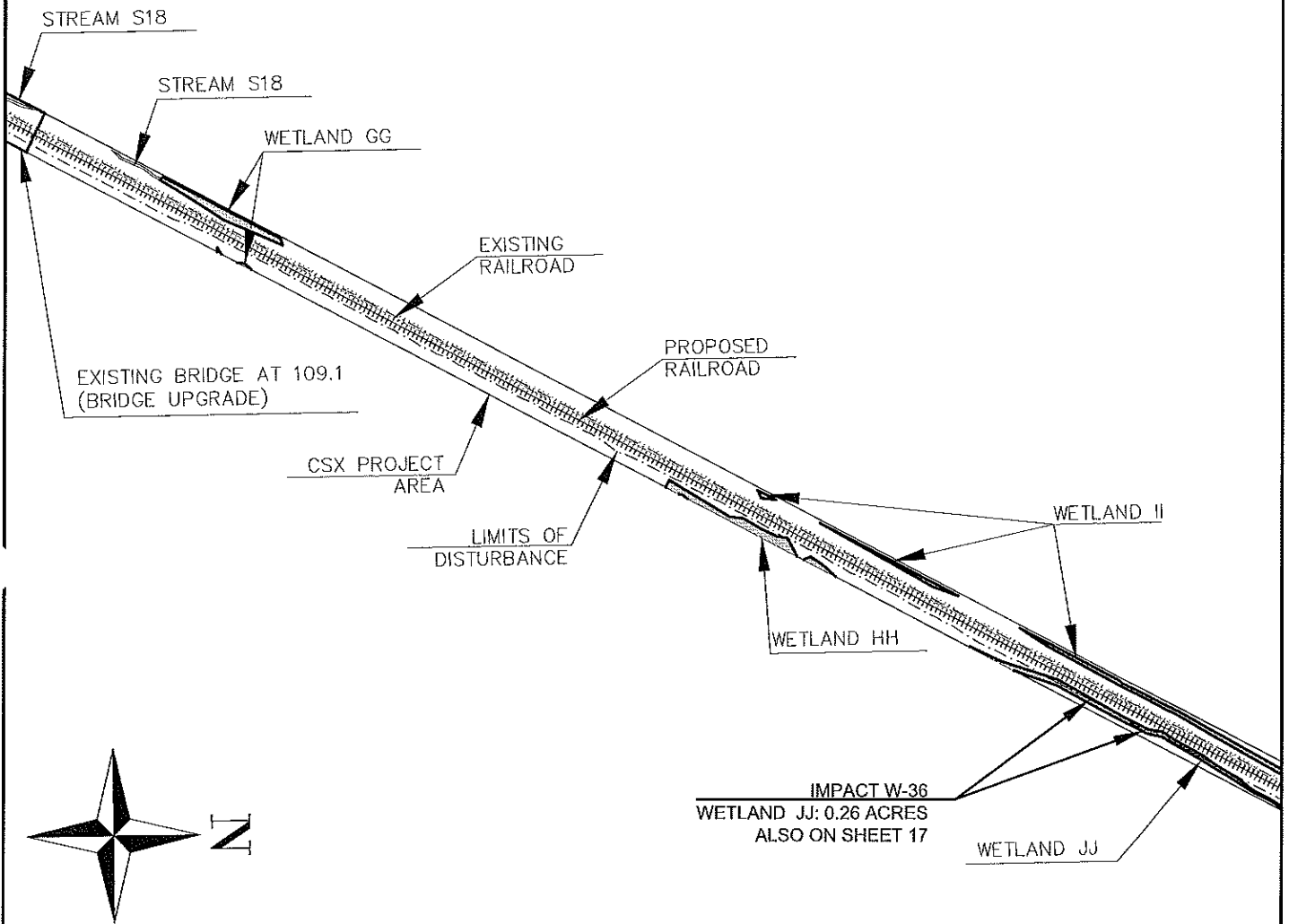


GRAPHIC SCALE IN FEET
SCALE: 1"=500'



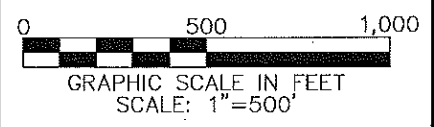
Permit Drawings Sheet 15
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina

301

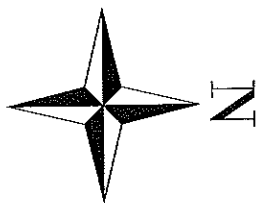
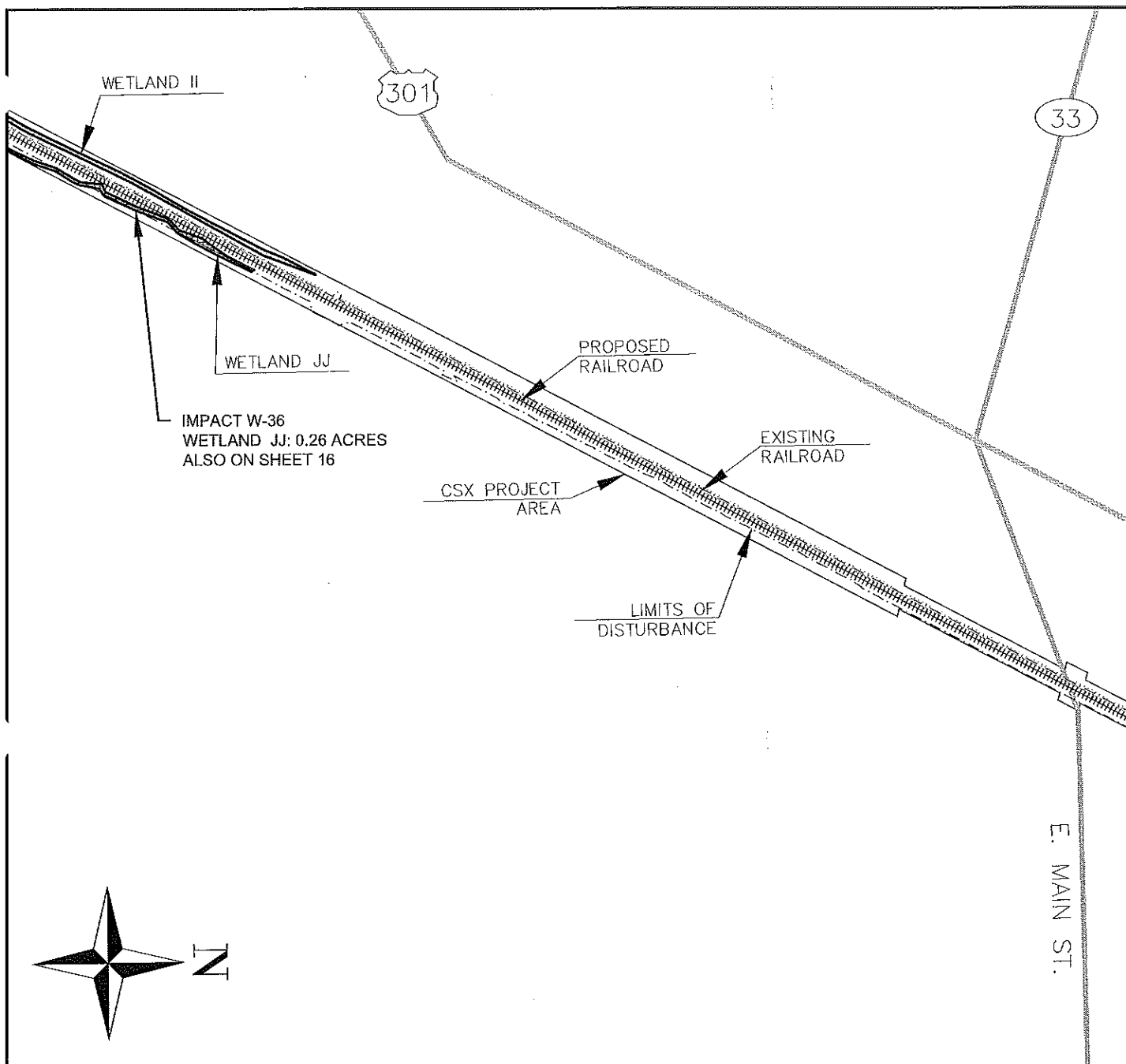


LEGEND

| | | | |
|--|--------------------------------------|--|--------------------------|
| | Existing Major Road | | Proposed Stormwater Pond |
| | CSX Project Area | | Jurisdictional Wetland |
| | Existing Railroad | | Proposed Wetland Fill |
| | Proposed Railroad | | Proposed Stream Fill |
| | Limits of Disturbance | | Proposed Open Water Fill |
| | Proposed Culvert | | |
| | Proposed Intermodal Area Development | | |



Permit Drawings Sheet 16
 CSX Carolina Connector Intermodal Rail Terminal and
 Second Mainline Improvements
 Edgecombe and Nash Counties, North Carolina



LEGEND

Existing Major Road

CSX Project Area

Existing Railroad

Proposed Railroad

Limits of Disturbance

Proposed Intermodal
Area Development

Proposed Culvert

Proposed Stormwater
Pond

Jurisdictional Wetland

Proposed Wetland Fill

Proposed Stream Fill

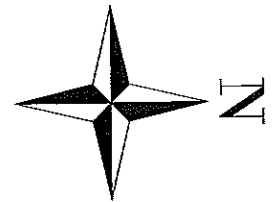
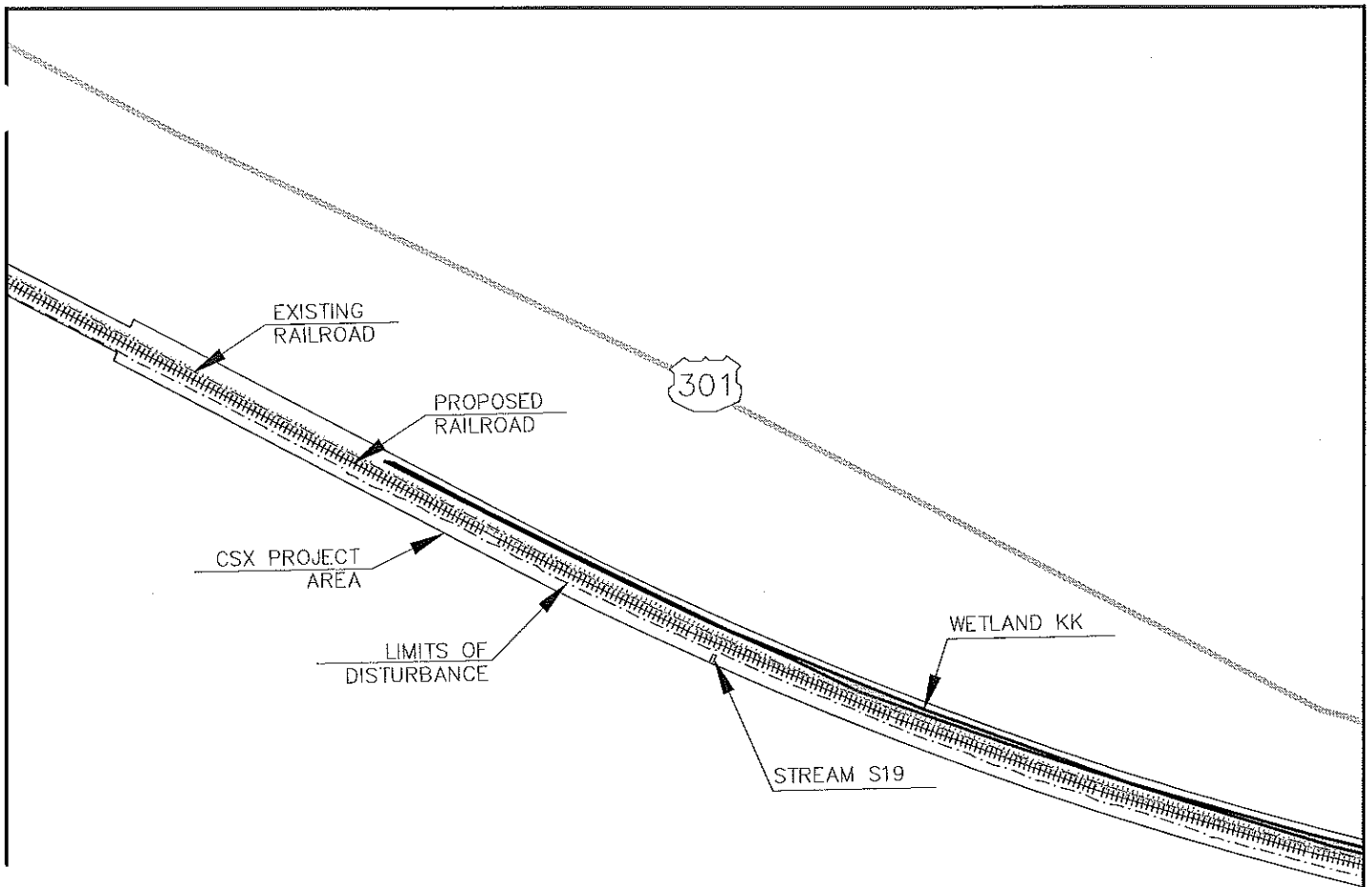
Proposed Open Water Fill



GRAPHIC SCALE IN FEET
SCALE: 1"=500'



Permit Drawings Sheet 17
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina



LEGEND

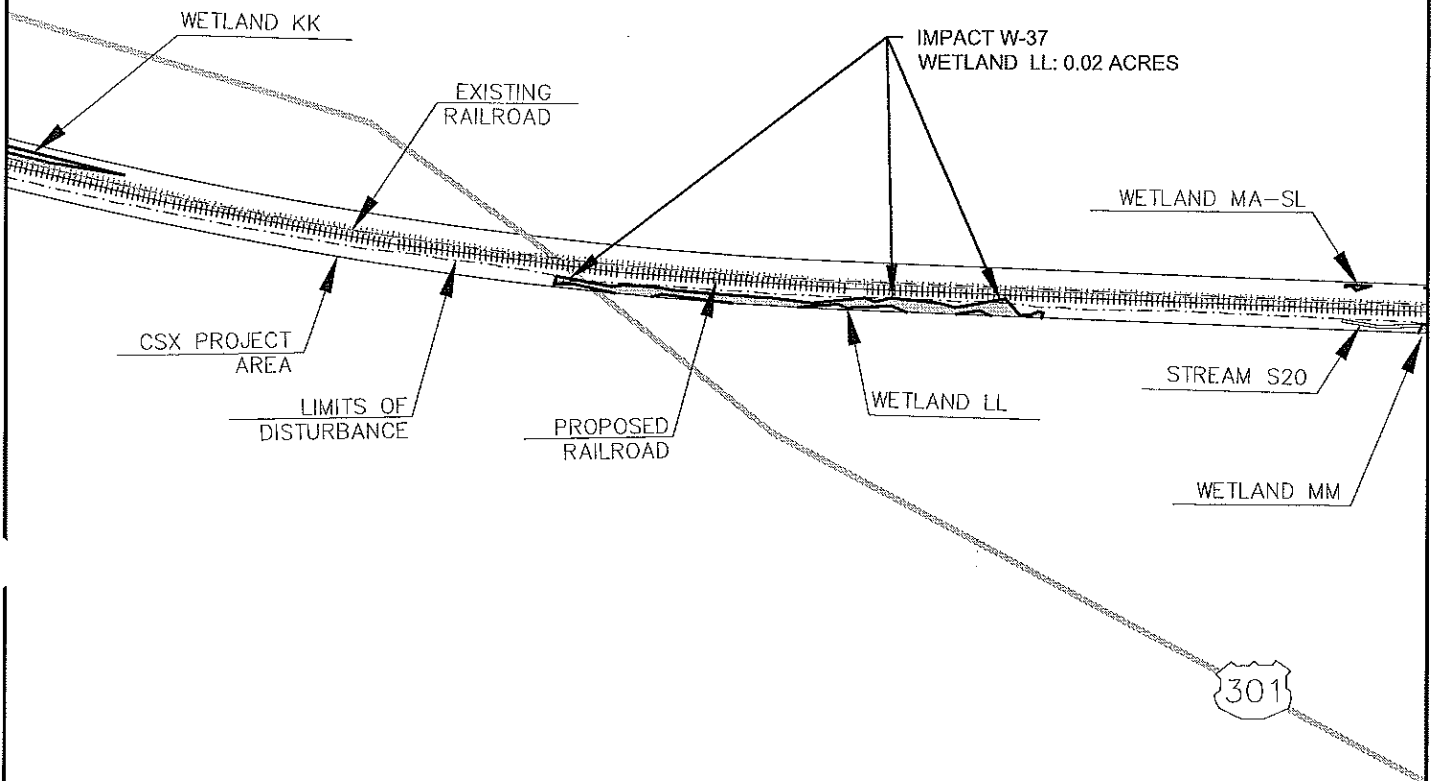
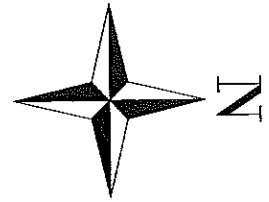
| | | |
|-----------------------|--------------------------------------|--------------------------|
| Existing Major Road | Proposed Culvert | Proposed Stormwater Pond |
| CSX Project Area | Proposed Intermodal Area Development | Jurisdictional Wetland |
| Existing Railroad | | Proposed Wetland Fill |
| Proposed Railroad | | Proposed Stream Fill |
| Limits of Disturbance | | Proposed Open Water Fill |



GRAPHIC SCALE IN FEET
SCALE: 1"=500'



Permit Drawings Sheet 18
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina



LEGEND

Existing Major Road

CSX Project Area

Existing Railroad

Proposed Railroad

Limits of Disturbance

Proposed Intermodal Area Development

Proposed Culvert

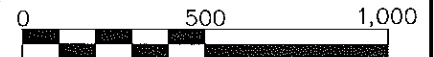
Proposed Stormwater Pond

Jurisdictional Wetland

Proposed Wetland Fill

Proposed Stream Fill

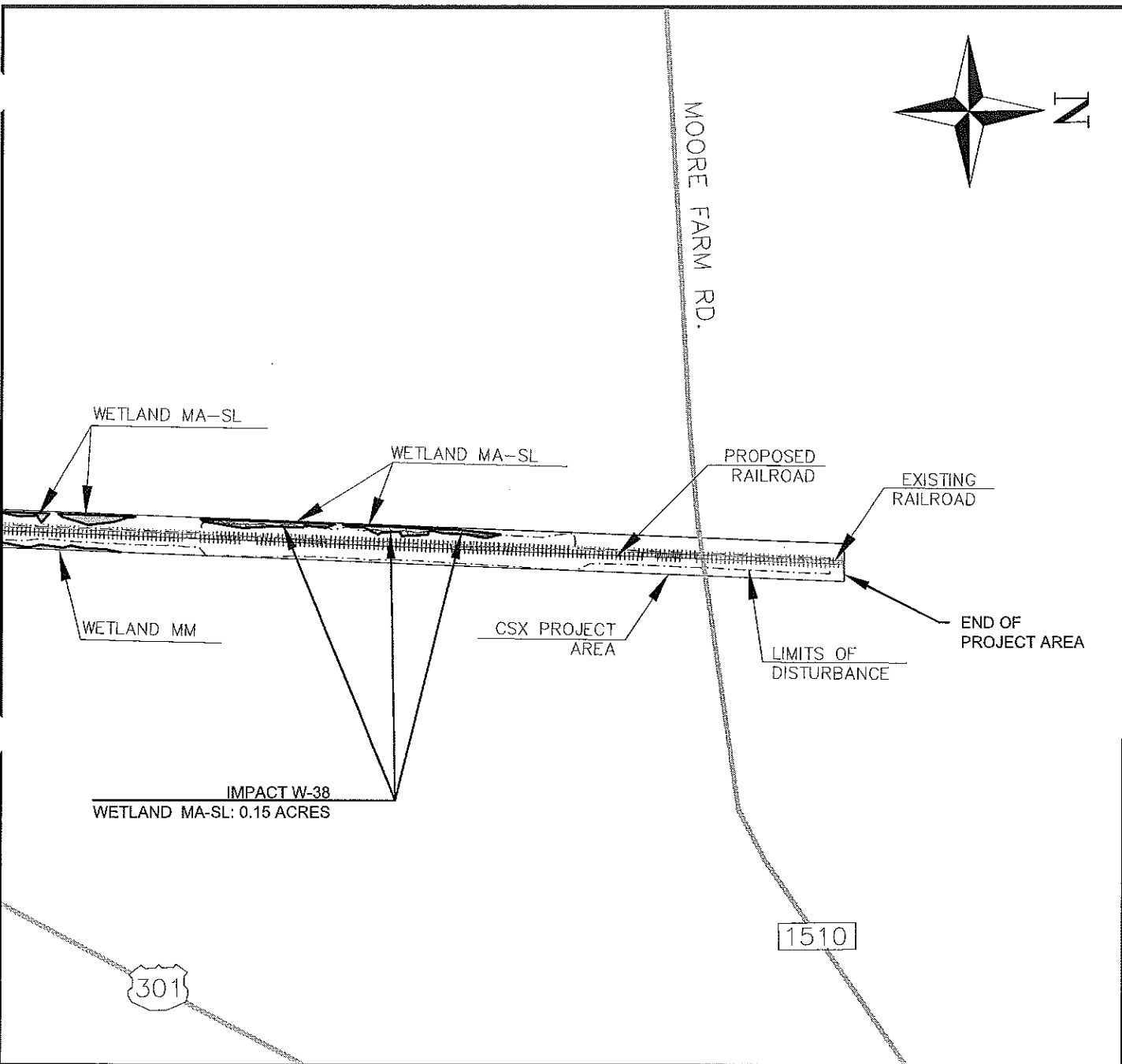
Proposed Open Water Fill



GRAPHIC SCALE IN FEET
SCALE: 1"=500'



Permit Drawings Sheet 19
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina



LEGEND

Existing Major Road

CSX Project Area

Existing Railroad

Proposed Railroad

Limits of Disturbance

Proposed Intermodal Area Development

Proposed Culvert

Proposed Stormwater Pond

Jurisdictional Wetland

Proposed Wetland Fill

Proposed Stream Fill

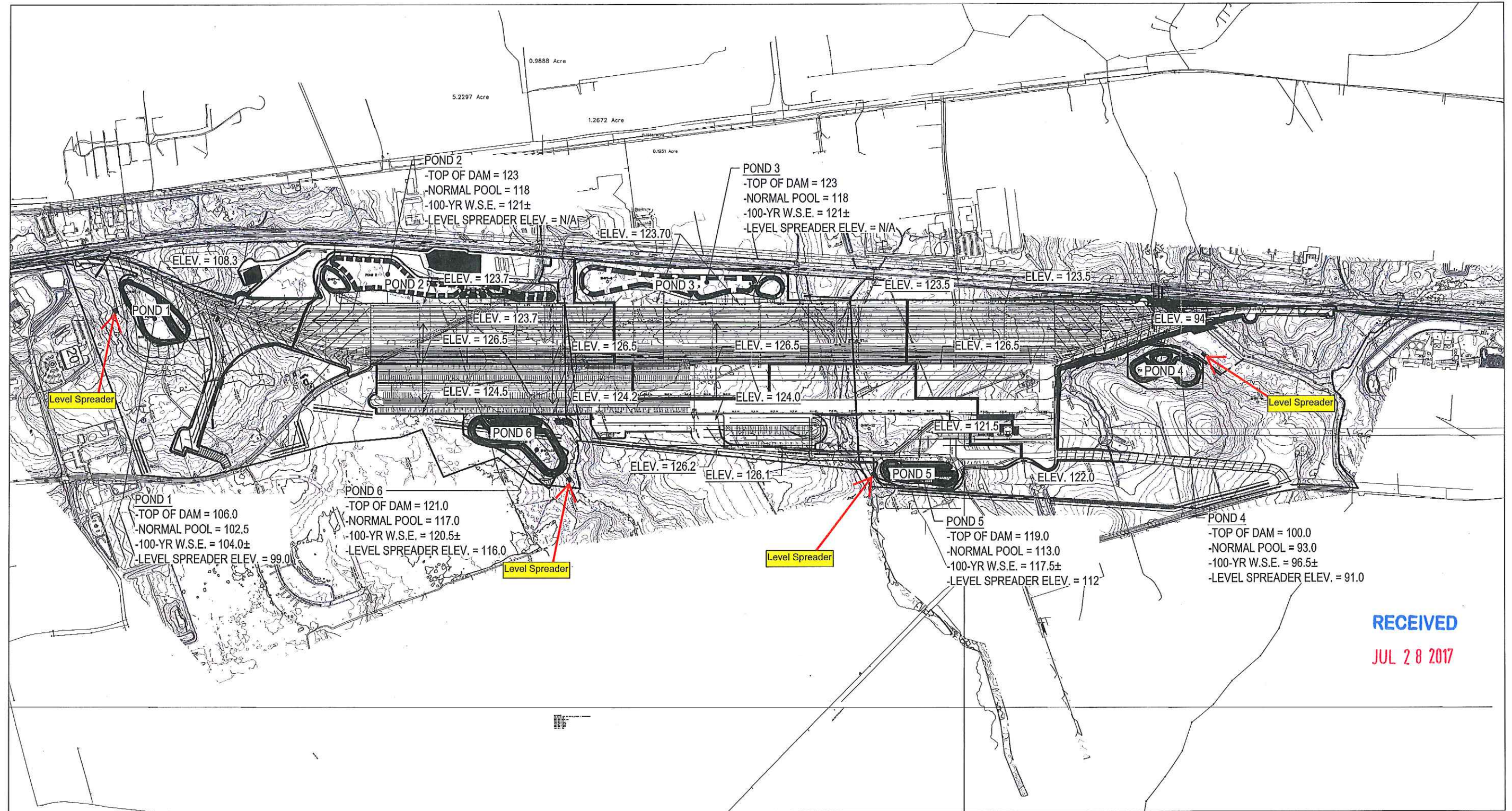
Proposed Open Water Fill

0 500 1,000

GRAPHIC SCALE IN FEET
SCALE: 1"=500'



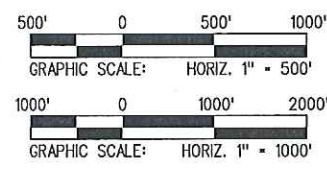
Permit Drawings Sheet 20
CSX Carolina Connector Intermodal Rail Terminal and
Second Mainline Improvements
Edgecombe and Nash Counties, North Carolina



RECEIVED
JUL 28 2017

LEGEND

— DRAINAGE AREA BOUNDARY



| PROJECT NUMBER | COST ELEMENT | LINE ITEM | CONTRACT DESIGNATOR | PHYSICAL ENTITY | WORK ELEMENT | Pen Table File |
|----------------|--------------|-----------|---------------------|-----------------|--------------|----------------|
| | | | | | | \$TIME\$ |
| | | | | | | \$DATE\$ |

CONCEPTUAL
DRAFT CONFIDENTIAL
NOT FOR CONSTRUCTION

Information confidential
all plans, drawings, spec-
ifications, and/or infor-
mation furnished herewith
shall remain the property
of the CSX Intermodal
and shall be held con-
fidential and shall not be
used for any purpose not
provided for in agreements
with the CSX Intermodal.

| | |
|-------------|---------------|
| DESIGNED BY | J. GOLLINGS |
| DRAWN BY | R. ARNER |
| CHECKED BY | G. MONTOYA |
| APPROVED BY | M. CANAS |
| DATE | APRIL 6, 2017 |

CSX INTERMODAL TERMINALS, INC.
TERMINAL DEVELOPMENT GROUP
JACKSONVILLE, FLORIDA



CAROLINA CONNECTOR INTERMODAL
RAIL TERMINAL (CCX)
ROCKY MOUNT, NORTH CAROLINA
POST DEVELOPMENT OVERVIEW

| | |
|--------------|------------|
| CONTRACT NO. | JLXCX102 |
| DRAWING NO. | |
| REVISION | SHEET NO. |
| SCALE | _AS_SHOWN_ |

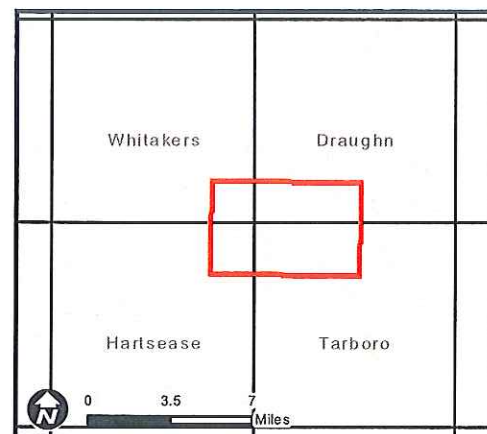


Figure 4. USGS Topographic Map

Swift Creek - Permittee
Responsible Mitigation Plan
Edgecombe County, North Carolina

Legend

Approximate Project Boundary

References:
USGS Topographic Map, 7.5-minute series,
Whitakers, dated 1961
USGS Topographic Map, 7.5-minute series,
Draughn, dated 1960
USGS Topographic Map, 7.5-minute series,
Hartsease, dated 1981
USGS Topographic Map, 7.5-minute series,
Tarboro, dated 1981



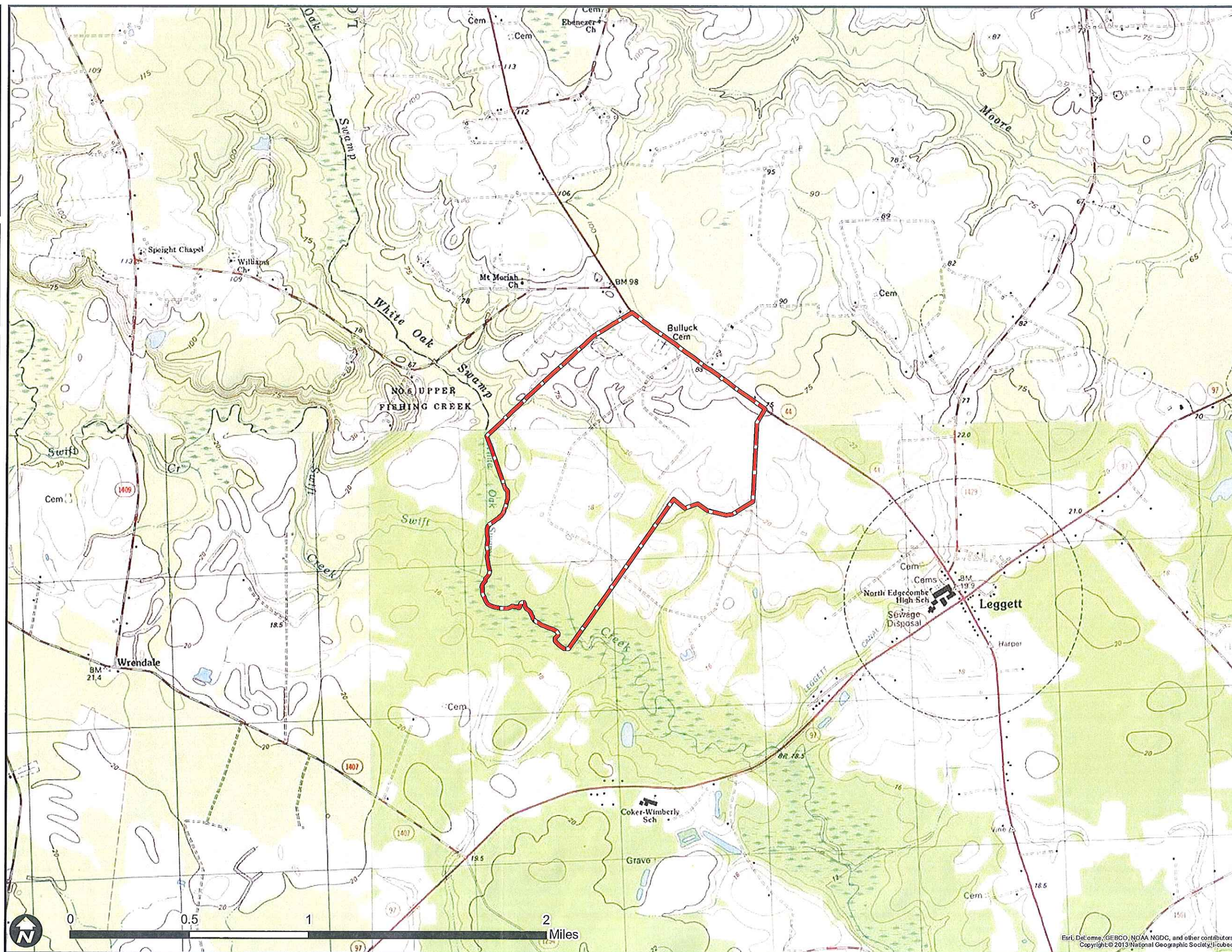
Job No. 6250-16-0127

Drawn By: BWS

Reviewed By: WAR

Date: 6/15/2017

The map shown here has been created with all due and reasonable care and is strictly for use with Amec Foster Wheeler project number 6250160127. Amec Foster Wheeler assumes no liability, direct or indirect, whatsoever for any such third party or unintended use.



Esri, DeLorme, GEBCO, NOAA NODC, and other contributors
Copyright © 2013 National Geographic Society, Inc.

Figure 14a. Mitigation Work Plan Map

Swift Creek - Permittee Responsible Mitigation Plan

Edgecombe County, North Carolina

Legend

PROPOSED EASEMENT BOUNDARY (~593 Acres)

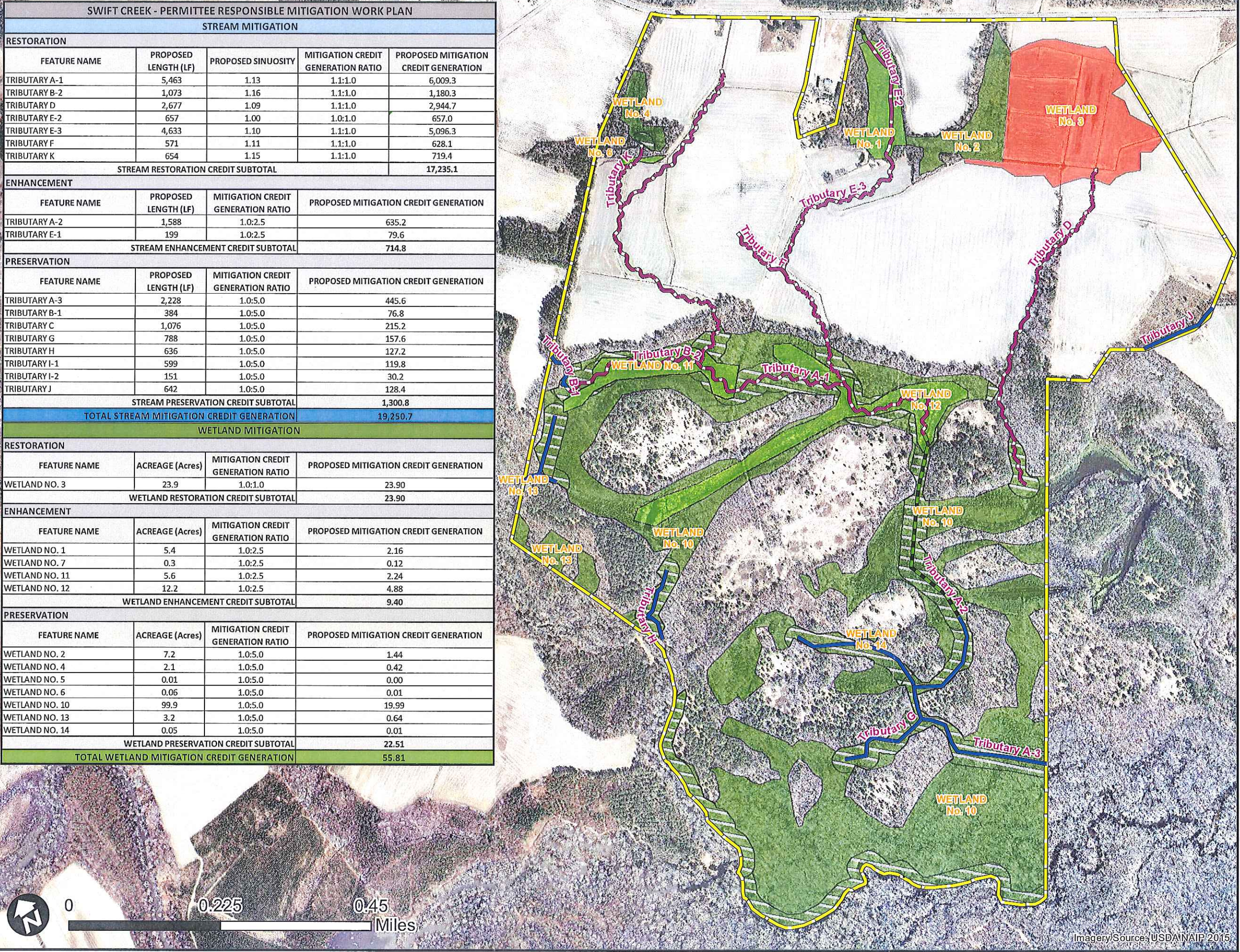
PROPOSED STREAM MITIGATION PRESCRIPTIONS

- Stream Preservation (~6,504 LF)
- Stream Enhancement (~1,787 LF)
- Stream Restoration (~15,728 LF)

PROPOSED WETLAND MITIGATION PRESCRIPTIONS

- Wetland Enhancement (~23.5 Acres)
- Wetland Preservation (~112.6 Acres)
- Wetland Restoration (~23.6 Acres)
- Riparian Buffer Preservation ~47.5 Acres (Preserved Wetlands Excluded from Wetland Mitigation Plan)

| SWIFT CREEK - PERMITTEE RESPONSIBLE MITIGATION WORK PLAN | | | | |
|--|----------------------|------------------------------------|---------------------------------------|---------------------------------------|
| STREAM MITIGATION | | | | |
| RESTORATION | | | | |
| FEATURE NAME | PROPOSED LENGTH (LF) | PROPOSED SINUOSITY | MITIGATION CREDIT GENERATION RATIO | PROPOSED MITIGATION CREDIT GENERATION |
| TRIBUTARY A-1 | 5,463 | 1.13 | 1.1:1.0 | 6,009.3 |
| TRIBUTARY B-2 | 1,073 | 1.16 | 1.1:1.0 | 1,180.3 |
| TRIBUTARY D | 2,677 | 1.09 | 1.1:1.0 | 2,944.7 |
| TRIBUTARY E-2 | 657 | 1.00 | 1.0:1.0 | 657.0 |
| TRIBUTARY E-3 | 4,633 | 1.10 | 1.1:1.0 | 5,096.3 |
| TRIBUTARY F | 571 | 1.11 | 1.1:1.0 | 628.1 |
| TRIBUTARY K | 654 | 1.15 | 1.1:1.0 | 719.4 |
| STREAM RESTORATION CREDIT SUBTOTAL | | | | 17,235.1 |
| ENHANCEMENT | | | | |
| FEATURE NAME | PROPOSED LENGTH (LF) | MITIGATION CREDIT GENERATION RATIO | PROPOSED MITIGATION CREDIT GENERATION | |
| TRIBUTARY A-2 | 1,588 | 1.0:2.5 | 635.2 | |
| TRIBUTARY E-1 | 199 | 1.0:2.5 | 79.6 | |
| STREAM ENHANCEMENT CREDIT SUBTOTAL | | | | 714.8 |
| PRESERVATION | | | | |
| FEATURE NAME | PROPOSED LENGTH (LF) | MITIGATION CREDIT GENERATION RATIO | PROPOSED MITIGATION CREDIT GENERATION | |
| TRIBUTARY A-3 | 2,228 | 1.0:5.0 | 445.6 | |
| TRIBUTARY B-1 | 384 | 1.0:5.0 | 76.8 | |
| TRIBUTARY C | 1,076 | 1.0:5.0 | 215.2 | |
| TRIBUTARY G | 788 | 1.0:5.0 | 157.6 | |
| TRIBUTARY H | 636 | 1.0:5.0 | 127.2 | |
| TRIBUTARY I-1 | 599 | 1.0:5.0 | 119.8 | |
| TRIBUTARY I-2 | 151 | 1.0:5.0 | 30.2 | |
| TRIBUTARY J | 642 | 1.0:5.0 | 128.4 | |
| STREAM PRESERVATION CREDIT SUBTOTAL | | | | 1,300.8 |
| TOTAL STREAM MITIGATION CREDIT GENERATION | | | | 19,250.7 |
| WETLAND MITIGATION | | | | |
| RESTORATION | | | | |
| FEATURE NAME | ACREAGE (Acres) | MITIGATION CREDIT GENERATION RATIO | PROPOSED MITIGATION CREDIT GENERATION | |
| WETLAND NO. 3 | 23.9 | 1.0:1.0 | 23.90 | |
| WETLAND RESTORATION CREDIT SUBTOTAL | | | | 23.90 |
| ENHANCEMENT | | | | |
| FEATURE NAME | ACREAGE (Acres) | MITIGATION CREDIT GENERATION RATIO | PROPOSED MITIGATION CREDIT GENERATION | |
| WETLAND NO. 1 | 5.4 | 1.0:2.5 | 2.16 | |
| WETLAND NO. 7 | 0.3 | 1.0:2.5 | 0.12 | |
| WETLAND NO. 11 | 5.6 | 1.0:2.5 | 2.24 | |
| WETLAND NO. 12 | 12.2 | 1.0:2.5 | 4.88 | |
| WETLAND ENHANCEMENT CREDIT SUBTOTAL | | | | 9.40 |
| PRESERVATION | | | | |
| FEATURE NAME | ACREAGE (Acres) | MITIGATION CREDIT GENERATION RATIO | PROPOSED MITIGATION CREDIT GENERATION | |
| WETLAND NO. 2 | 7.2 | 1.0:5.0 | 1.44 | |
| WETLAND NO. 4 | 2.1 | 1.0:5.0 | 0.42 | |
| WETLAND NO. 5 | 0.01 | 1.0:5.0 | 0.00 | |
| WETLAND NO. 6 | 0.06 | 1.0:5.0 | 0.01 | |
| WETLAND NO. 10 | 99.9 | 1.0:5.0 | 19.99 | |
| WETLAND NO. 13 | 3.2 | 1.0:5.0 | 0.64 | |
| WETLAND NO. 14 | 0.05 | 1.0:5.0 | 0.01 | |
| WETLAND PRESERVATION CREDIT SUBTOTAL | | | | 22.51 |
| TOTAL WETLAND MITIGATION CREDIT GENERATION | | | | 55.81 |



Job No. 6250170127

Drawn By: WAR

Reviewed By: RH

Date: 05/15/2017

The map shown here has been created with all due and reasonable care and is strictly for use with Amec Foster Wheeler project number 6250170127. Amec Foster Wheeler assumes no liability, direct or indirect, whatsoever for any such third party or unintended use.