

Information for File # 2014-03049-JCD

Applicant: Silver Creek Township – Brian Opitz & Chris Klein

Corps Contact: Jessie C. Diaz

Address: 180 – 5th Street East, Suite 700; St. Paul, Minnesota 55303

E-Mail: Jessie.C.Diaz@usace.army.mil

Phone: 651-290-5975

Primary County: Wright

Section: 35 & 36

Township: 122 North

Range: 26 West

Information Complete On: September 10, 2014

Posting Expires On: October 20, 2014

Authorization Type: LOP-05-MN

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act.

Project Description:

Silver Creek Township is proposing to re-construct portions of 127th Street NW and Armitage Avenue NW. The project limits of 127th Street NW begins at CR 111 on the west, and extends to the Town line on the east. The road will be re-aligned east of Armitage Avenue NW to shift the road away from the Lake. The road will be widened to a 30' top to accommodate future bituminous surfacing and will utilize a gravel surface in the interim. The standard typical section for the roadway consists of 4:1 in-slopes, 3' wide ditch bottom and 4:1 back slopes. In areas where wetlands are adjacent to the road, a clear zone of 7' from the edge of the traveled way (12 feet from centerline) is provided. It will be necessary to provide a clear zone at 7' from the traveled edge with maximum 4:1 in-slopes due to safety reasons. We have revised the foreslope to extend at a 3:1 slope after the clear zone until it meets the existing ground.

Armitage Avenue will also be re-constructed from the existing pavement on the south to 127th Street NW on the north. The road will be widened to a 28' top. The standard typical section for the roadway consists of 4:1 in-slopes, 3' wide ditch bottom and 4:1 back slopes.

Project Purpose:

The current road conditions do not meet safety standards because of the steep in-slopes. An in-slope of 4:1 is the maximum “recoverable slope”, which means that if a driver loses control and goes off the roadway the driver has a chance of recovering control of the vehicle. The existing slopes vary from 4:1 to as steep as 2:1, and present a hazard to the motoring public. In order to address these safety concerns Silver Creek Township has proposed the re-construction.

Alternatives Considered:

Avoidance – The no-build alternative was rejected as it would not address the aforementioned safety concerns.

Minimization – In areas where wetlands are adjacent to the road, a clear zone of 7' from the edge of the traveled way (12 feet from centerline) is provided. It will be necessary to provide a clear zone at 7' from the traveled edge with maximum 4:1 in-slopes due to safety reasons. We have revised the fore-slope to extend at a 3:1 slope after the clear zone until it meets the existing ground. An in-slope of 3:1 from the road edge in the wetland areas was evaluated, but was determined to present a safety hazard due to the speed limit. The 7' clear zone is the minimum allowable with a recoverable slope (4:1) per AASHTO Standards. Mn/DOT standards would require 15'.

Compensatory Mitigation:

Wetland impacts associated with the re-construction total 1.50 acres and result from the widening of road slopes and the realignment of a section of 127th Street NW near Melrose Lake. This includes impacts to wetlands and incidental/natural drainage ways. Silver Creek Township is requesting replacement through the BWSR Road Replacement Program as all impacts are associated with addressing safety concerns. A 2:1 ratio is required for replacement resulting in 3.00 acres of replacement.

Drawings Attached are the wetland impact figures. A full set of construction plans are also available upon request.

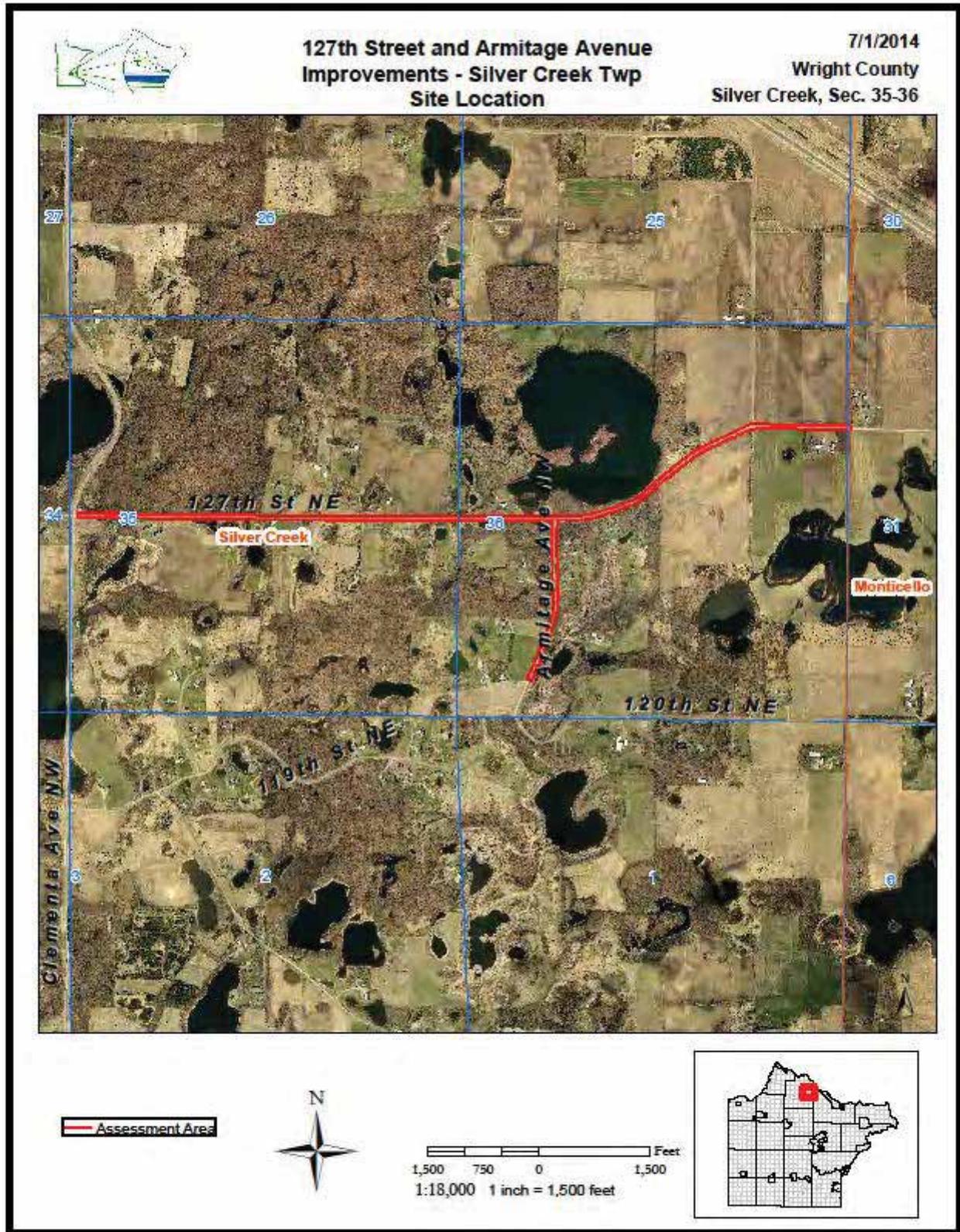
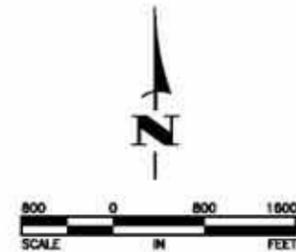
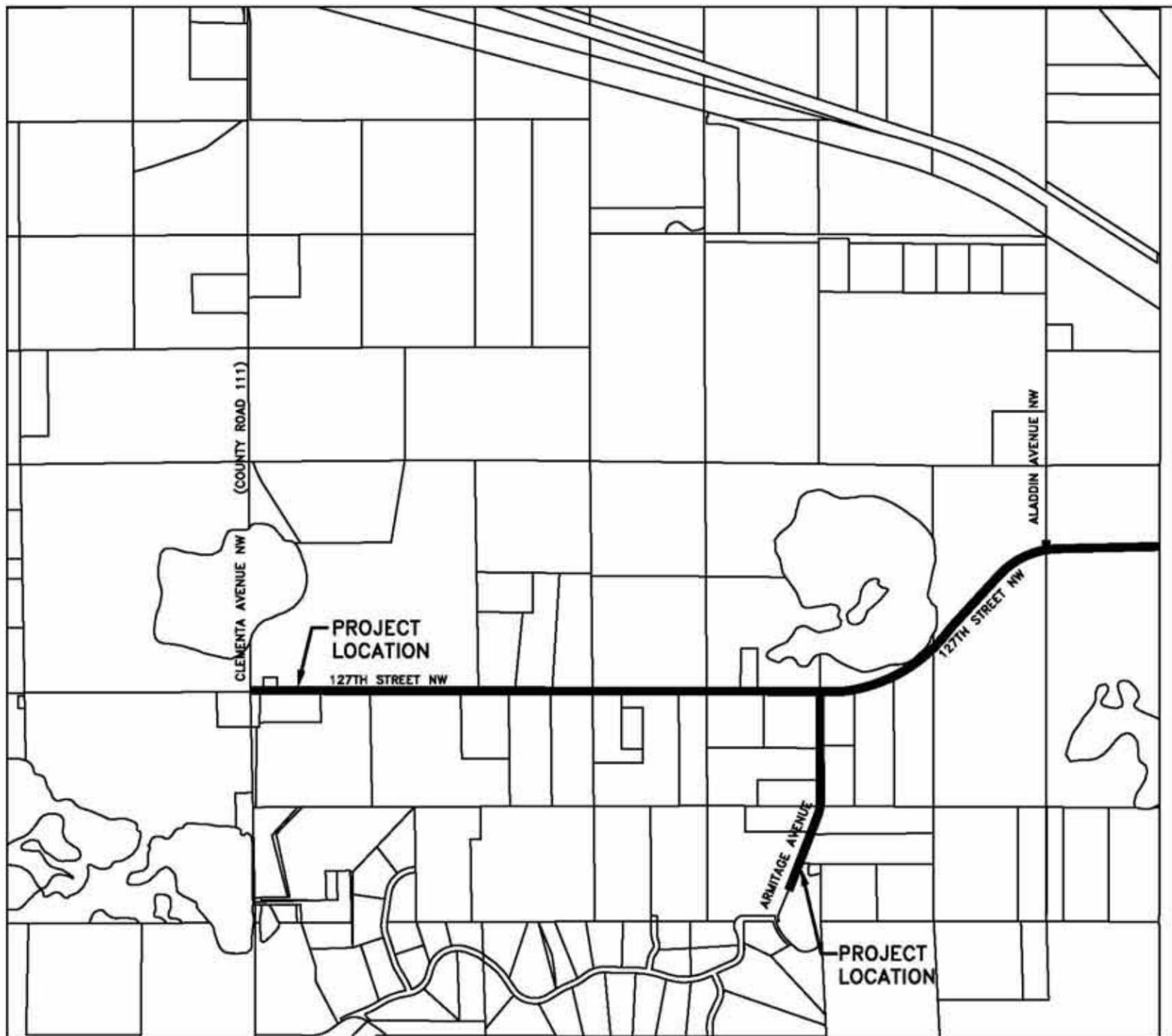


Figure 1. Site Location

127TH STREET NW & ARMITAGE AVENUE IMPROVEMENTS

SILVER CREEK TOWNSHIP, MINNESOTA



SILVER CREEK TOWNSHIP,
WRIGHT COUNTY,
MINNESOTA

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-2, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

GOVERNING SPECIFICATIONS

THE 2014 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE 2014 EDITION OF THE "MATERIALS LAB SUPPLEMENTAL SPECIFICATIONS FOR CONSTRUCTION" SHALL APPLY.

ALL FEDERAL, STATE AND LOCAL LAWS, REGULATIONS, AND ORDINANCES SHALL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

ALL REQUIREMENTS OF THE PROJECT MANUAL FOR THE 127TH STREET NW & ARMITAGE AVENUE IMPROVEMENTS PROJECT.

SHEET INDEX

THIS PLAN CONTAINS 89 SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED QUANTITIES & LEGENDS
3	EARTHWORK TABULATIONS - 127TH STREET NW
4	EARTHWORK TABULATIONS & CONSTRUCTION NOTES
5	TYPICAL SECTIONS - 127TH STREET NW
6-7	TYPICAL SECTIONS
8-9	DETAILS
10	EROSION AND SEDIMENT CONTROL DETAILS
11-28	127TH STREET NW PLAN & PROFILE
29-32	ARMITAGE AVENUE PLAN & PROFILE
33	BORROW PIT GRADING PLAN
34-44	EROSION AND SEDIMENT CONTROL PLANS
X1-X45	CROSS SECTIONS

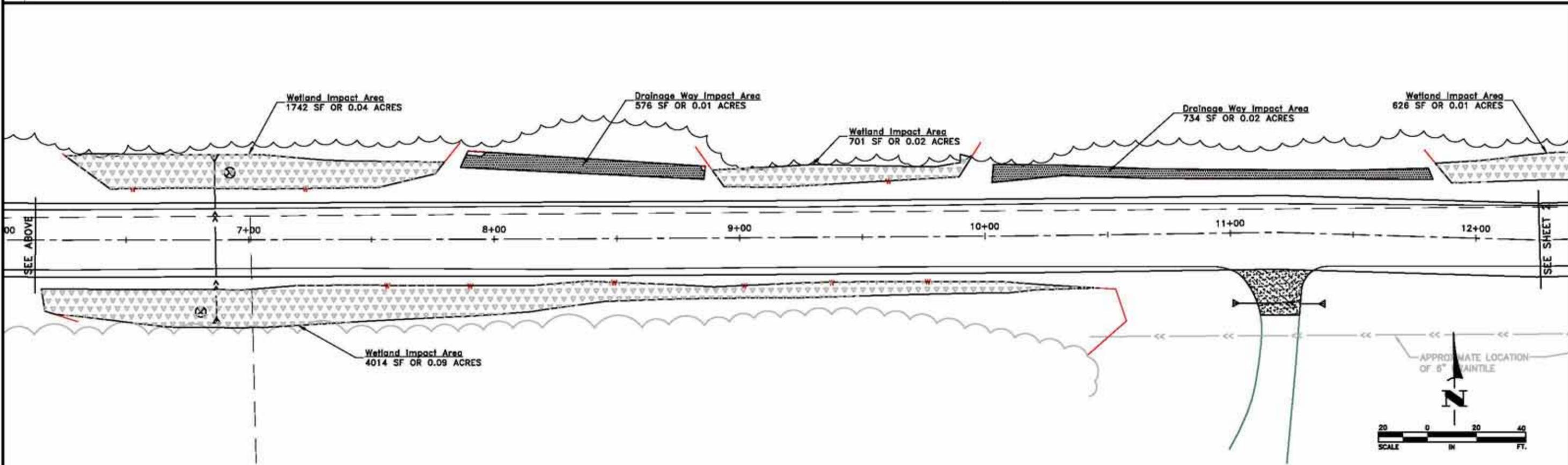
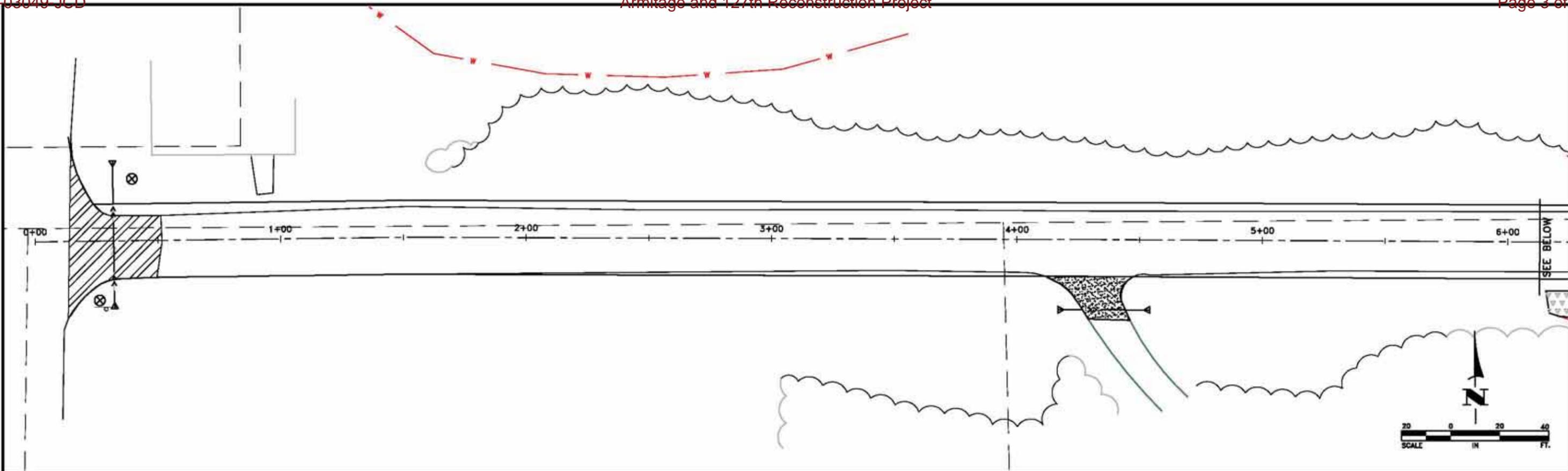
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Shane Nelson
 SHANE M. NELSON, P.E.
 HAKANSON ANDERSON
 DESIGN ENGINEER
 LIC. NO. 43381 DATE 7/3/14

DATE	REVISION
7/7/14	TOWNSHIP COMMENTS

Jul 07, 2014 - 10:06am
H:\MUNICIPAL\SC300\ENGINEERING\SC300 TITLE.dwg





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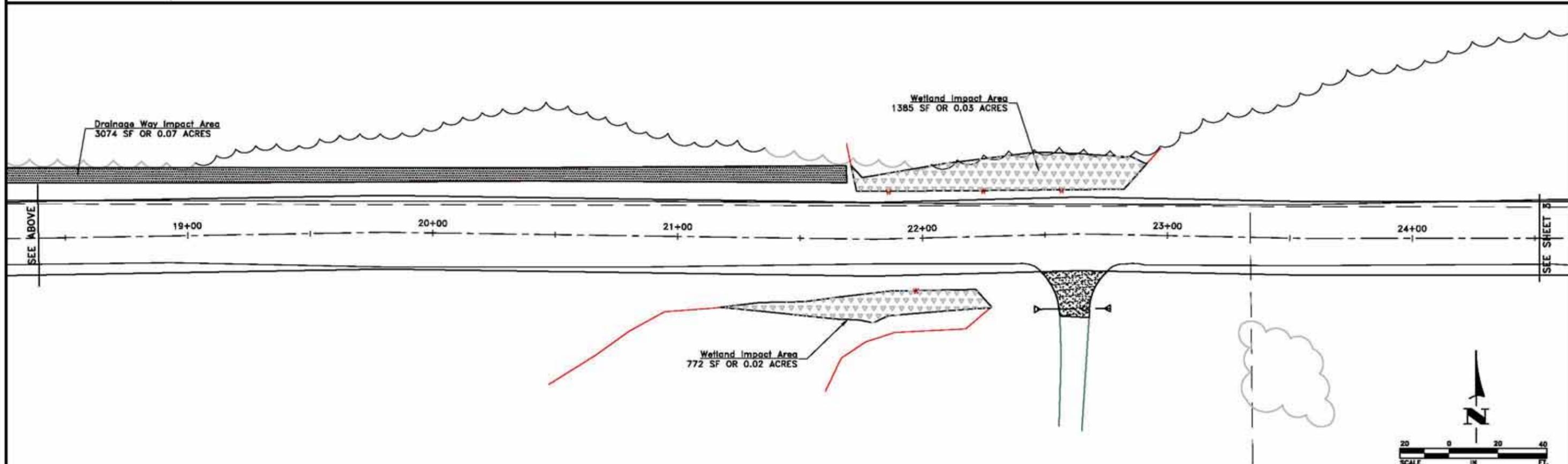
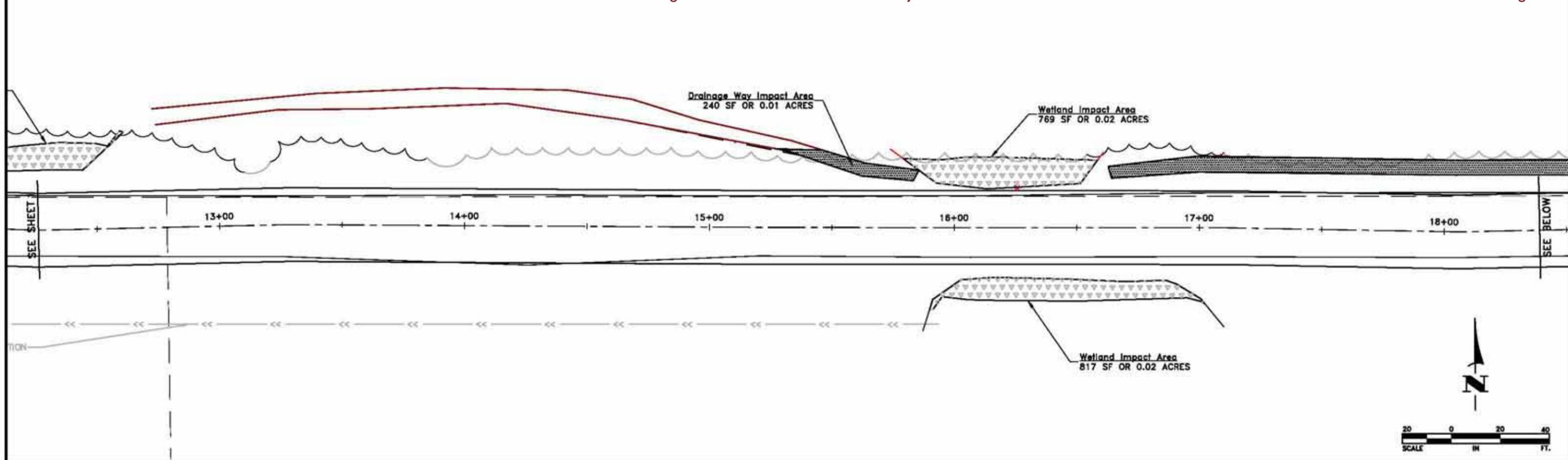


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127TH STREET NW & ARMITAGE AVENUE IMPROVEMENTS

WETLAND IMPACT EXHIBIT
127TH STREET NW
SILVER CREEK TOWNSHIP, MINNESOTA

SHEET 1 OF 11 SHEETS



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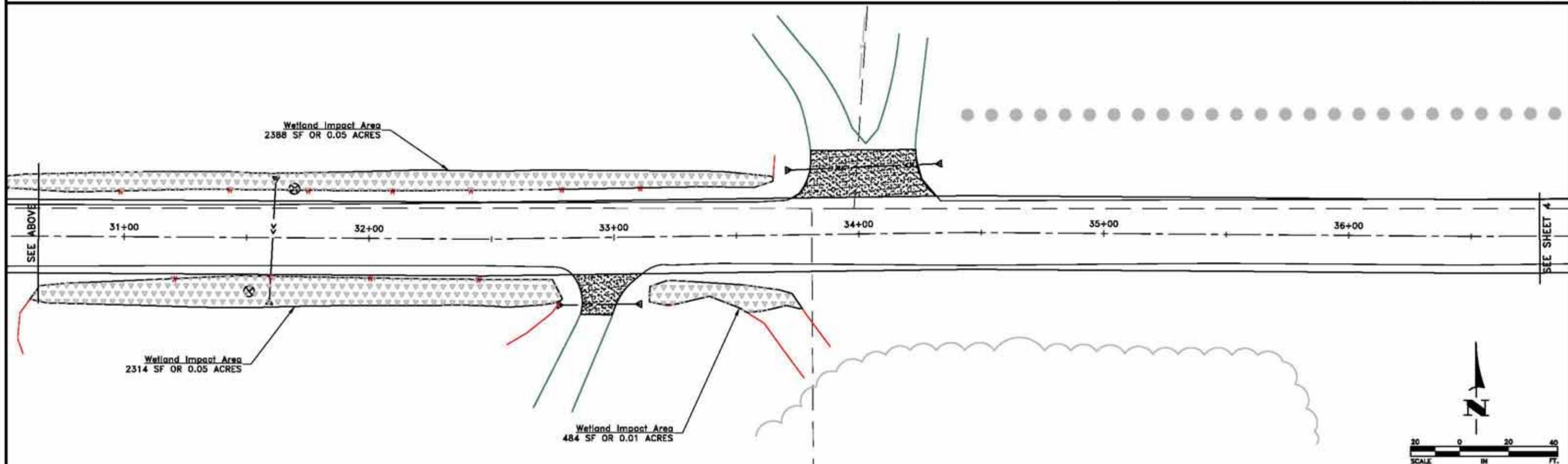
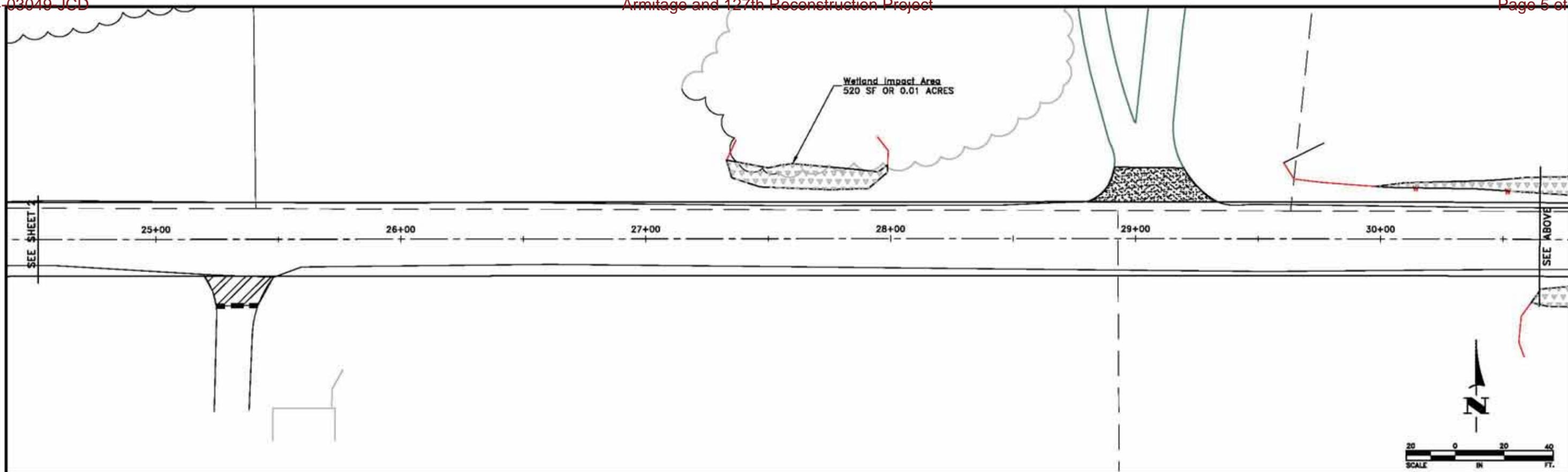


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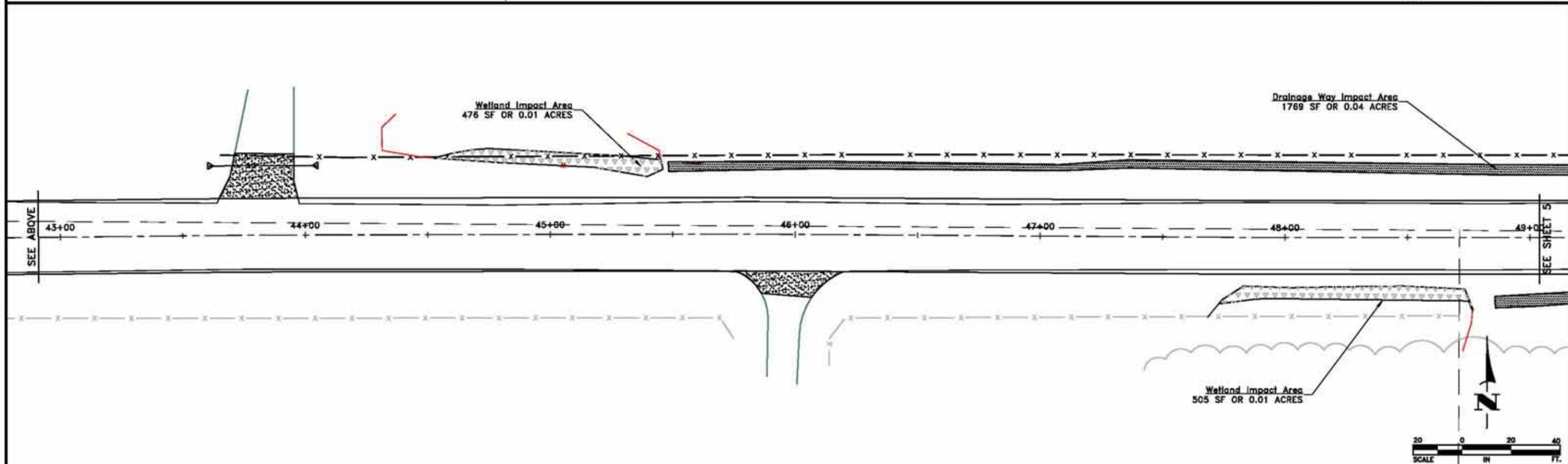
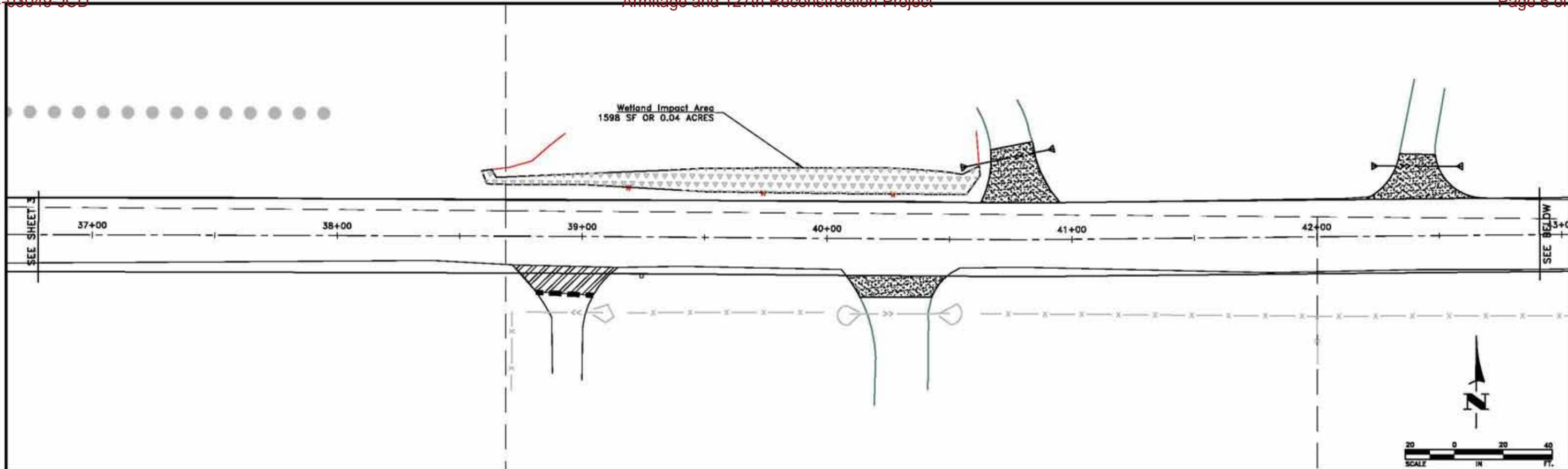


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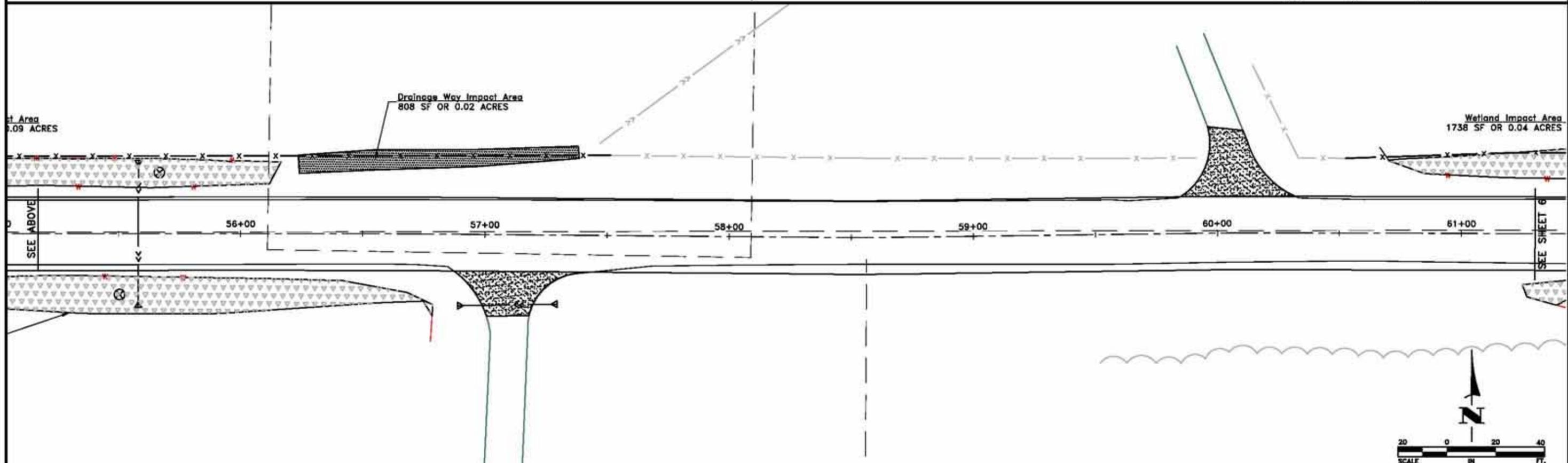
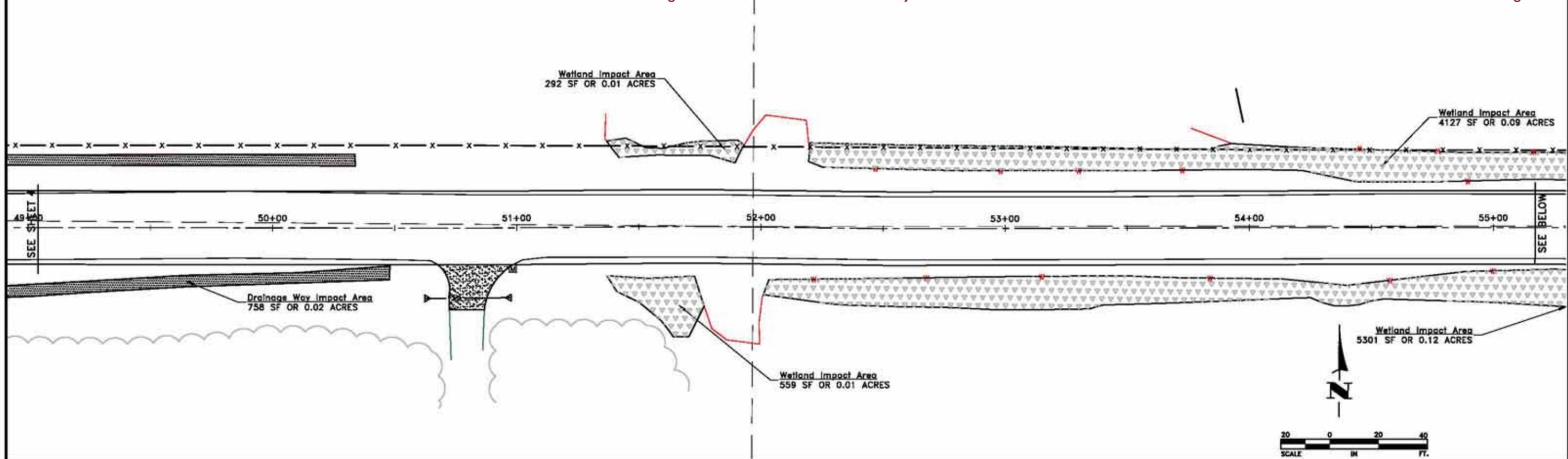


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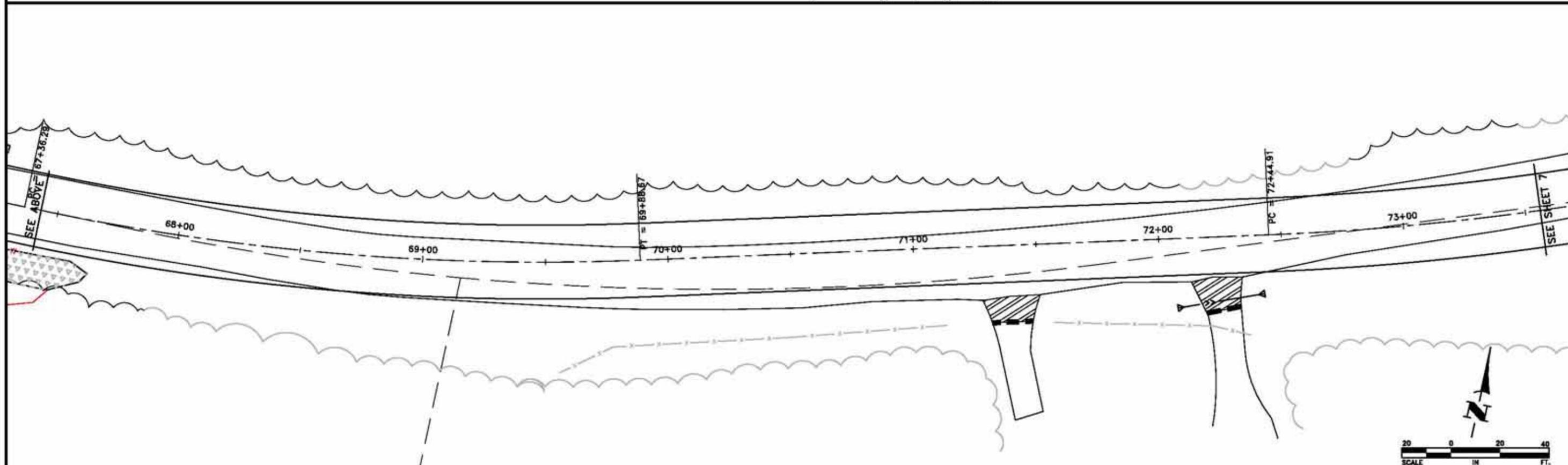
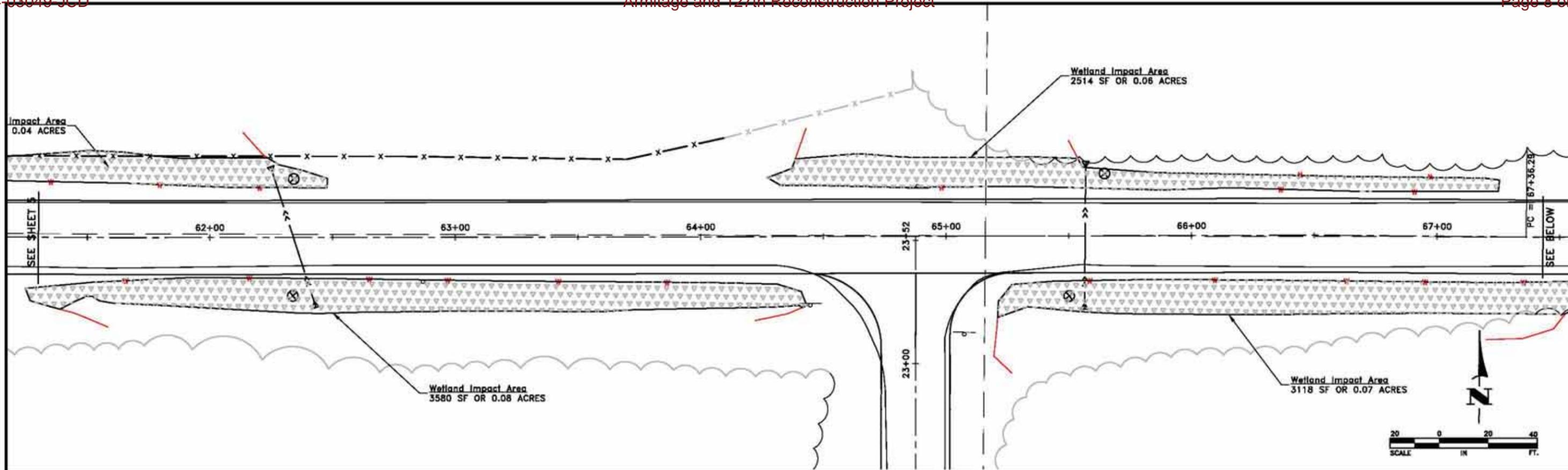


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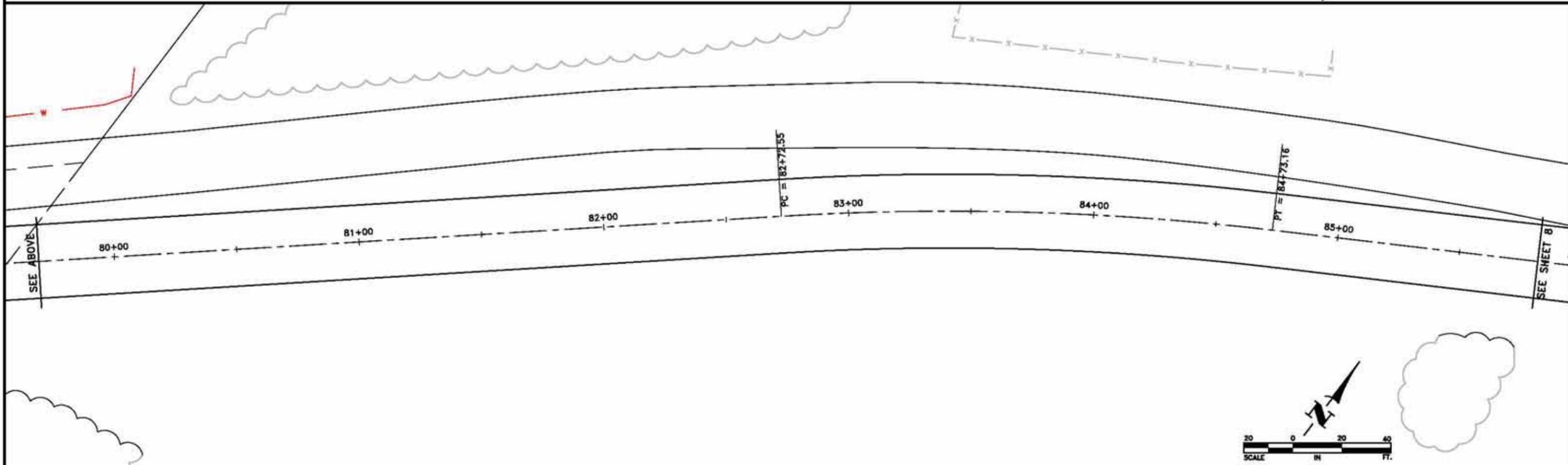
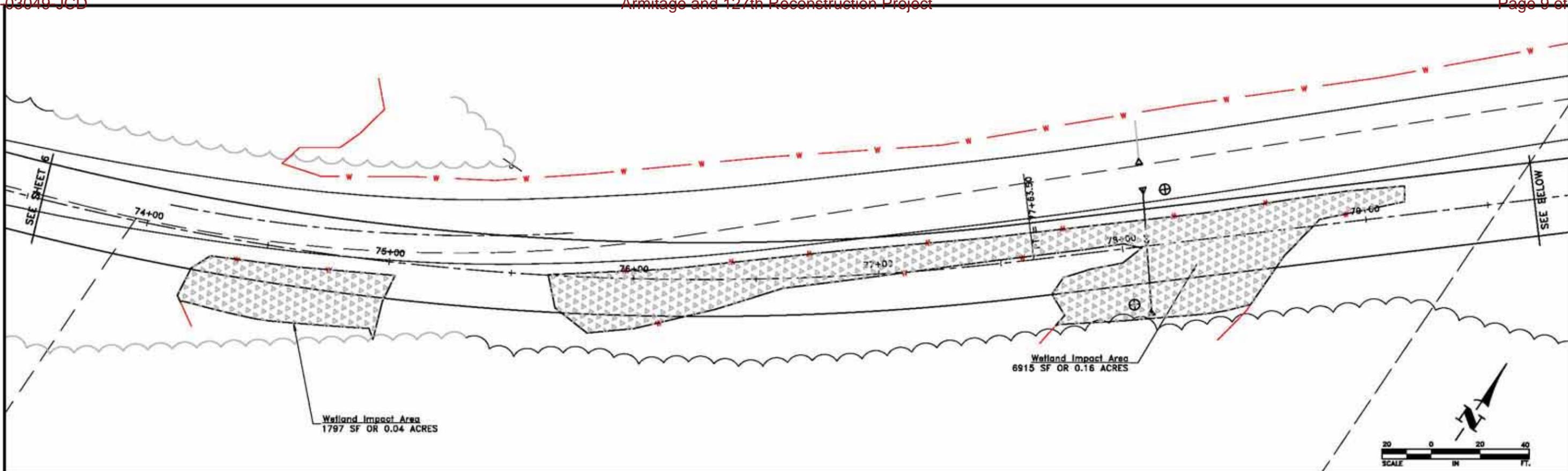


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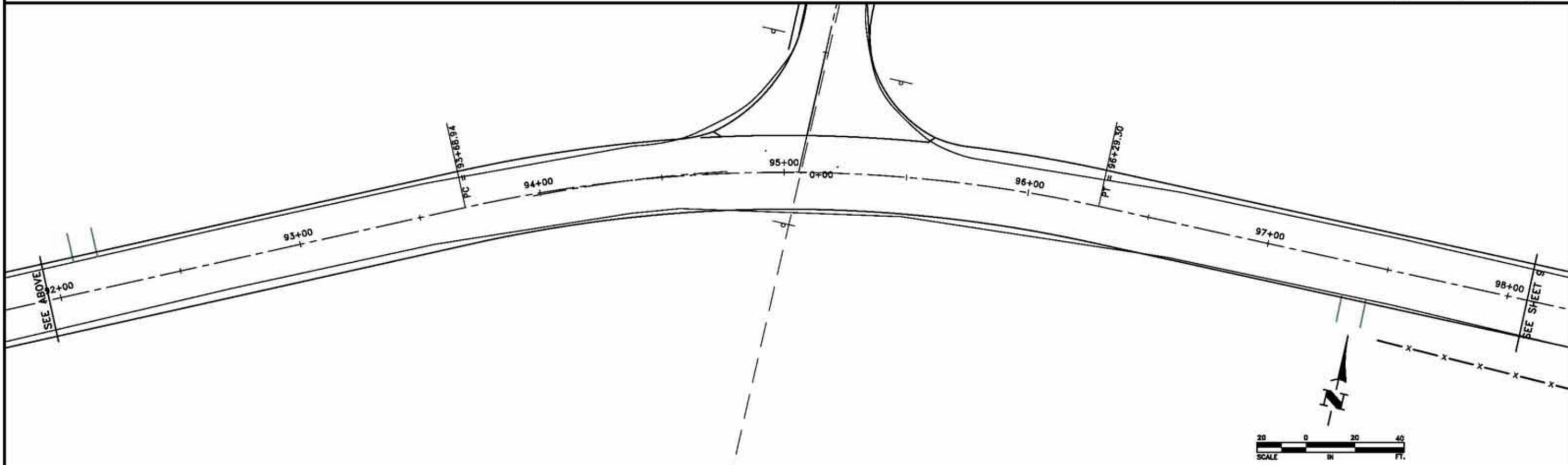
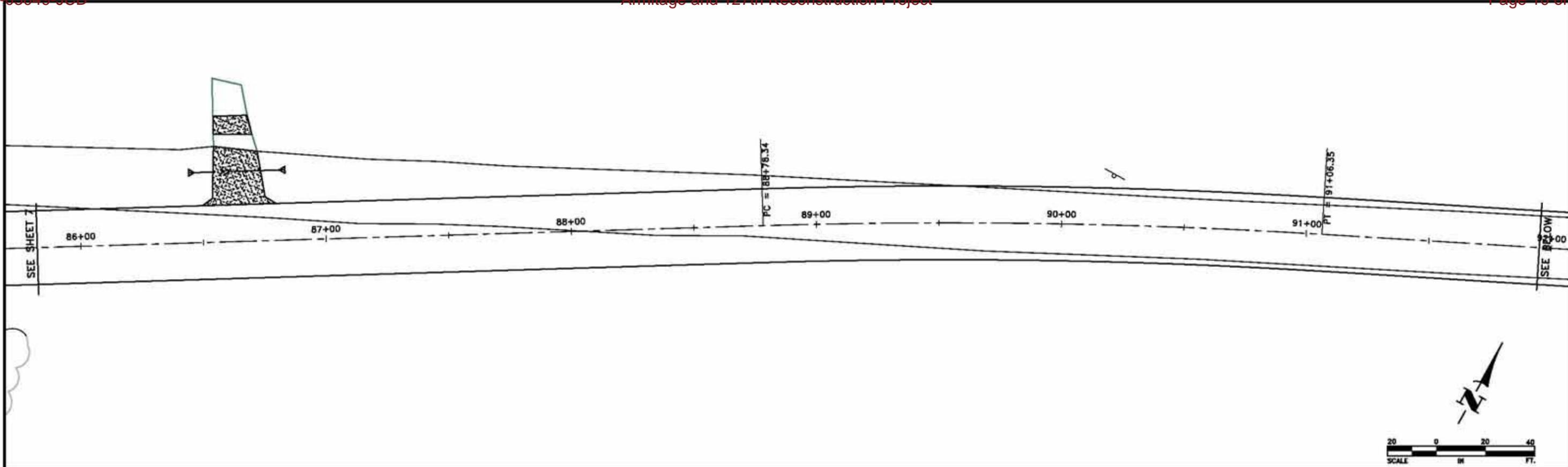


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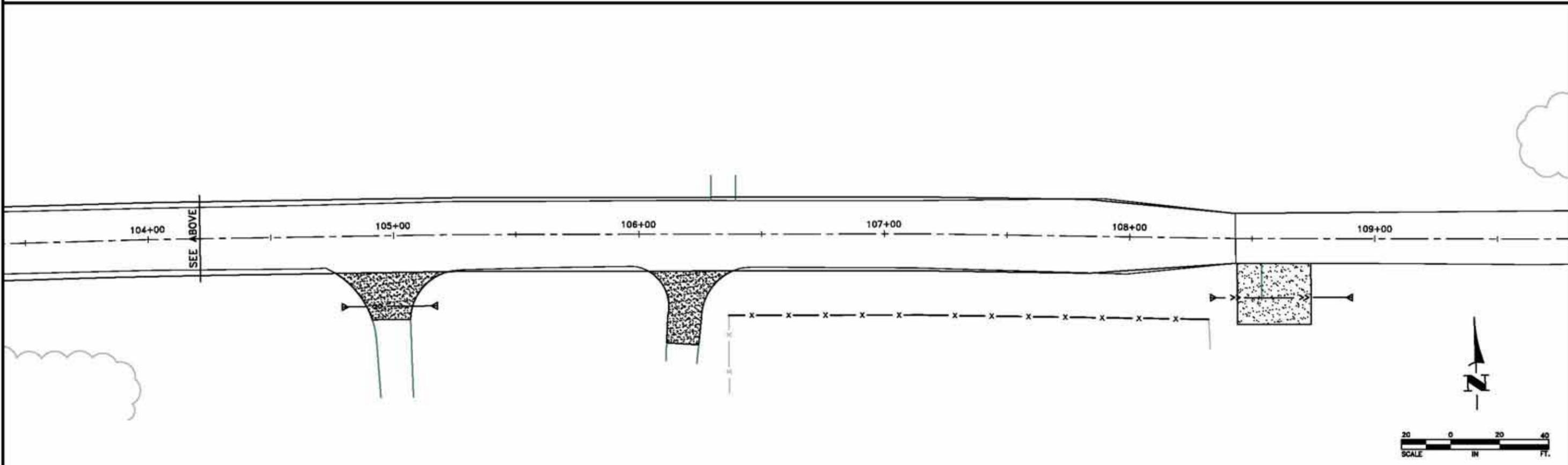
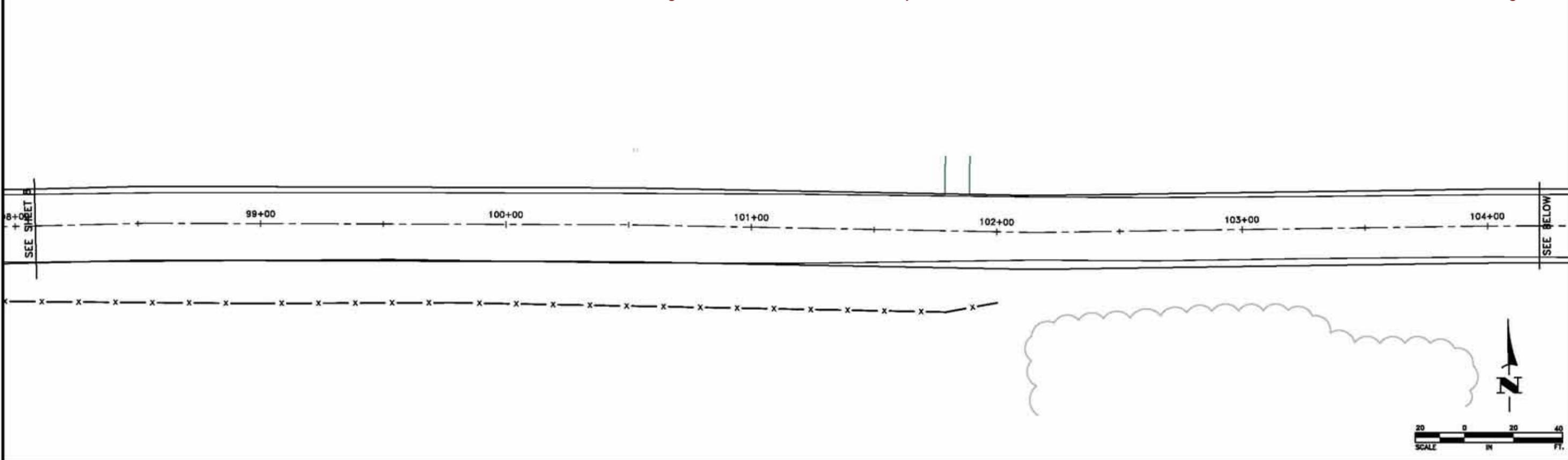


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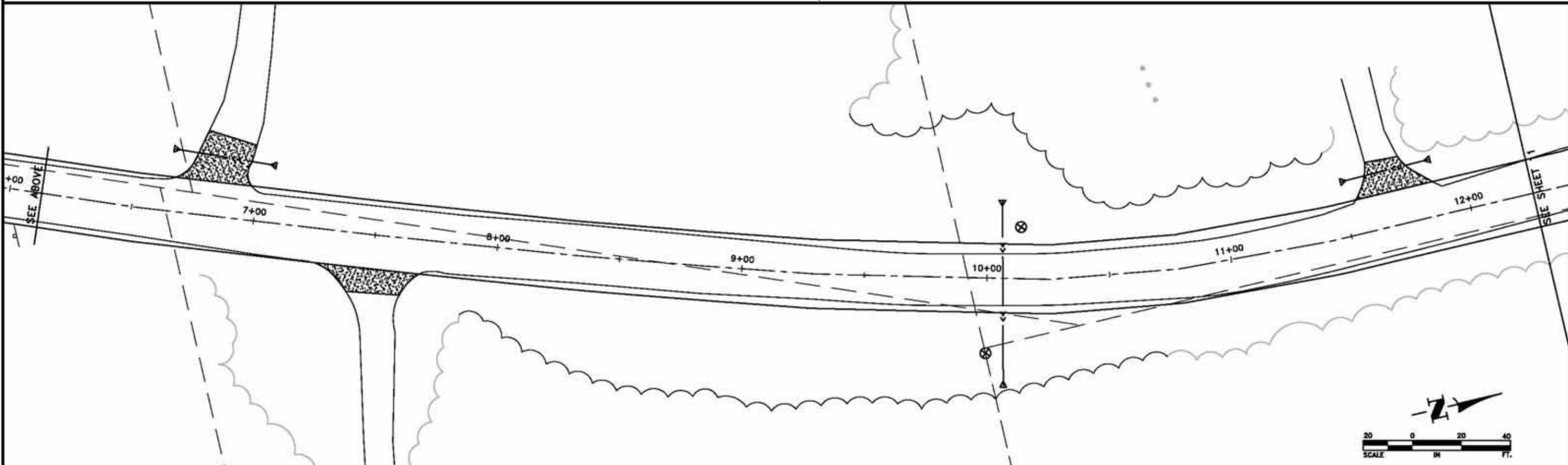
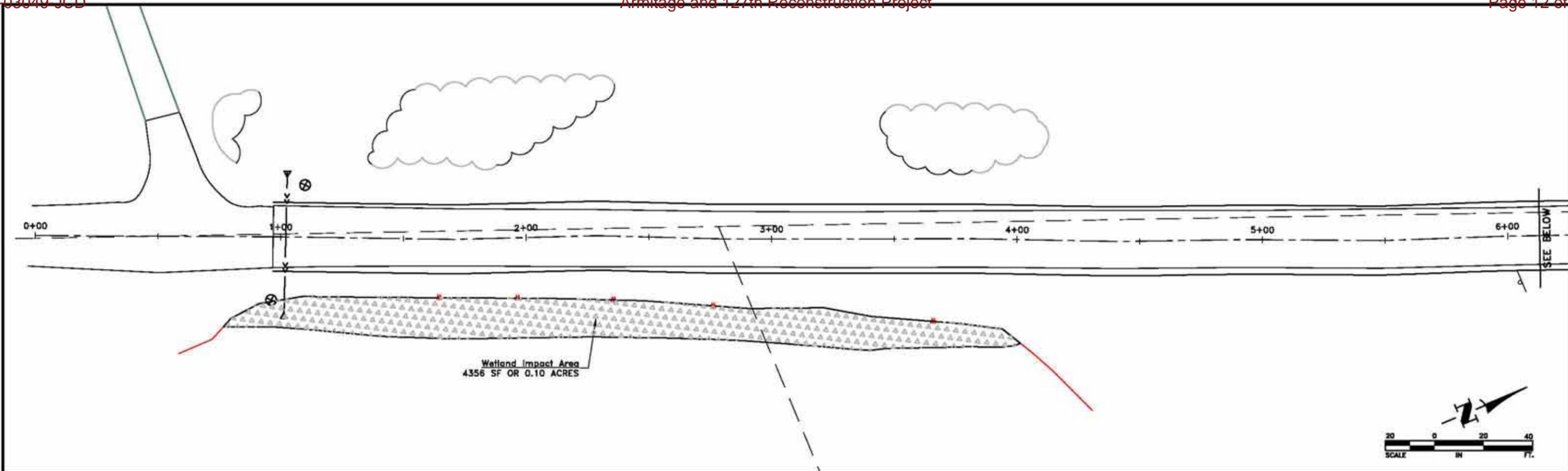


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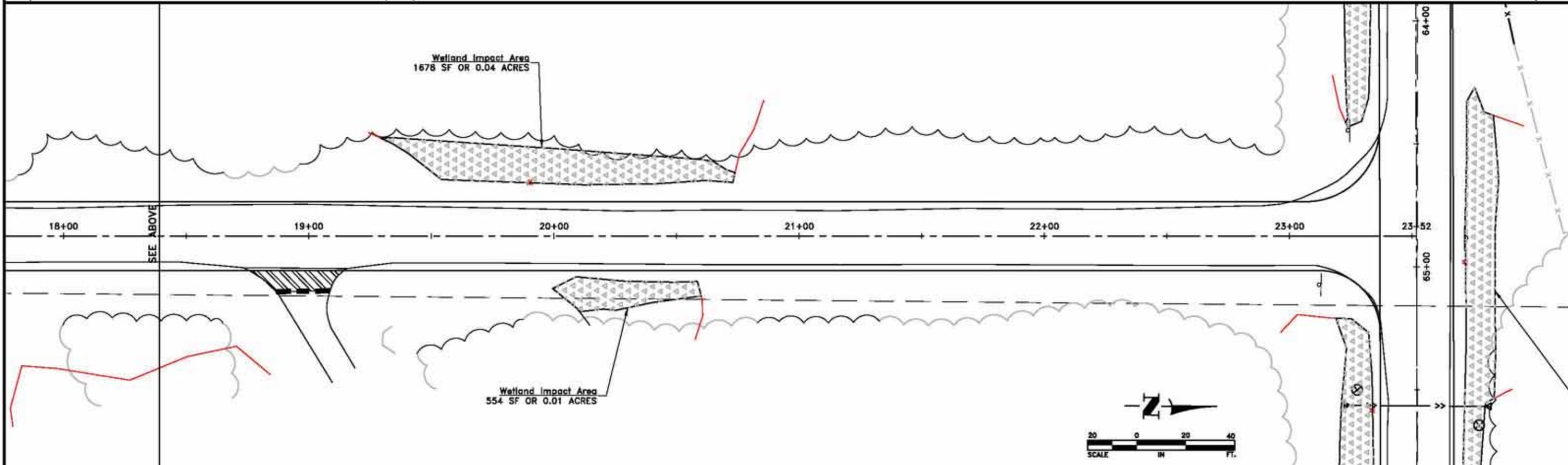
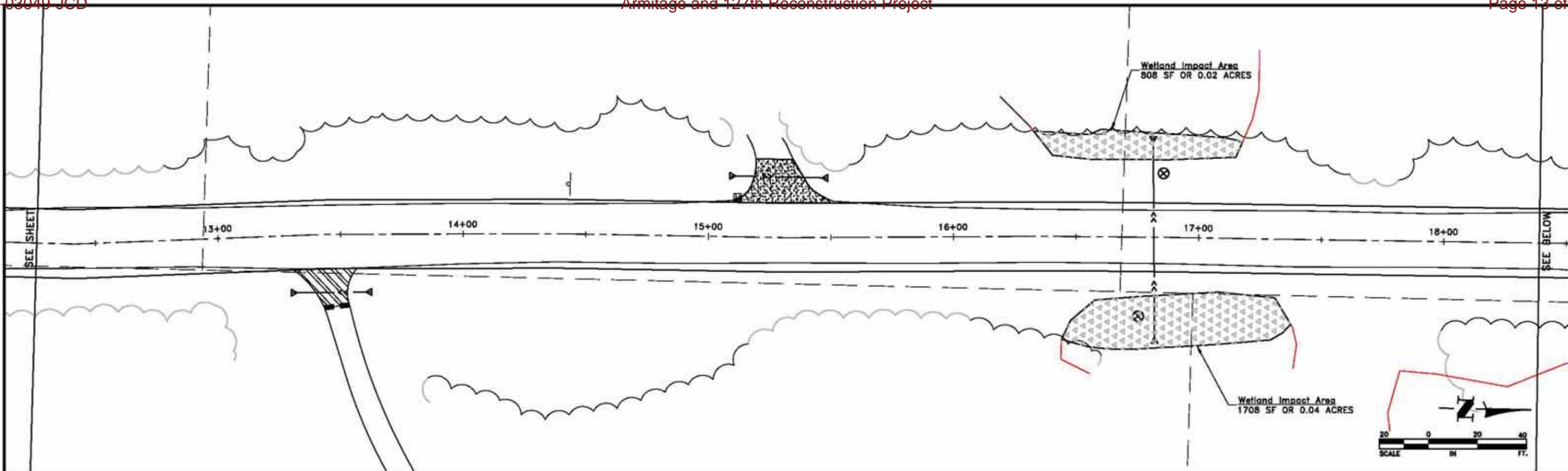


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