

TO: Goodhue County Board of Commissioners
FROM: Samantha Pierret, Zoning Administrator/Interim LUM Director
DATE: October 31, 2024

RE: Cannon River Floodplain Technical Evaluation Acceptance

Summary:

The Goodhue County Board of Commissioners is asked to accept the technical evaluation of the Cannon River floodplain prepared by Johnson & Scofield Inc. for parcel 42.131.0010 in Vasa Township.

Background

Floodplains can be classified as one of 3 area types in Goodhue County – Floodway, Flood Fringe, or General Floodplain.

Floodway: Bed of a wetland or lake and the channel of the watercourse and those portions of the adjoining floodplain which are reasonably required to carry or store the regional flood discharge.

Flood Fringe: Portion of the floodplain outside of the Floodway.

General Floodplain: Areas within the floodplain that have not been delineated as Floodway or Flood Fringe.

The construction of any structures within the General Floodplain area requires a Floodway/Flood Fringe Determination to be completed by a professional engineer per Article 32 Section 6 of the Goodhue County Zoning Ordinance.


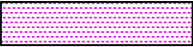


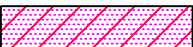









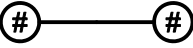
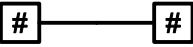

Kathy Clemens, representative of the Randall R Clemens estate, owner of parcel 42.131.0010 (27640 Sand Road, Welch) has hired Johnson & Scofield Inc. to perform a floodplain determination on the property to facilitate the future construction of a replacement dwelling. A mobile home was placed on the property around 1989 and was replaced around 1998. An accessory building was also constructed on the property around 1996. All of these projects were properly permitted using floodplain elevation information available at the time. Goodhue County floodplain enforcement became much more detailed around 2009 when digital flood maps were prepared and made available to County staff and the DNR. Zoning staff cannot issue a permit to reconstruct an existing dwelling without a floodplain determination as required by FEMA and the DNR.

The DNR has reviewed the technical evaluation and submitted comments via email on October 31st. The DNR does not need to formally approve the technical evaluation nor does the DNR make recommendations regarding approval or denial of the analysis.

Recommendation

Staff recommends the Goodhue County Board accept the technical evaluation and the recommended Floodway and Flood Fringe boundaries as prepared by Johnson & Scofield Inc.

TOPOGRAPHIC WORKMAP LEGEND

	DENOTES EFFECTIVE ZONE AE [1% FLOODPLAIN] AREAS
	DENOTES CORRECTED ZONE AE [1% FLOODPLAIN] EXPANSION AREAS
	DENOTES PROPOSED FLOODWAY AREAS IN ZONE AE
DENOTES EFFECTIVE
DENOTES CORRECTED
	DENOTES EFFECTIVE ZONE X [0.2% FLOODPLAIN] AREAS
	DENOTES CORRECTED ZONE X [0.2% FLOODPLAIN] EXPANSION AREAS
	DENOTES CORRECTED ZONE X [0.2% FLOODPLAIN] REDUCTION AREAS
	DENOTES EXISTING CANNON RIVER ALIGNMENT
	DENOTES EFFECTIVE 1% ANNUAL CHANCE FLOODPLAIN BOUNDARY
	DENOTES CORRECTED 1% ANNUAL CHANCE FLOODPLAIN BOUNDARY
	DENOTES PROPOSED FLOODWAY BOUNDARY
	DENOTES EFFECTIVE 0.2% ANNUAL CHANCE FLOODPLAIN BOUNDARY
	DENOTES CORRECTED 0.2% ANNUAL CHANCE FLOODPLAIN BOUNDARY
	DENOTES AN EFFECTIVE CROSS SECTION LINE
	DENOTES A CORRECTED EFFECTIVE CROSS SECTION LINE
	DENOTES A DETAILED CREEK CROSS SECTION OBTAINED ON 08/23/2024

PREPARED BY JOHNSON & SCOFIELD, INC. FOR KATHY CLEMENS
COMPANY *CLIENT*

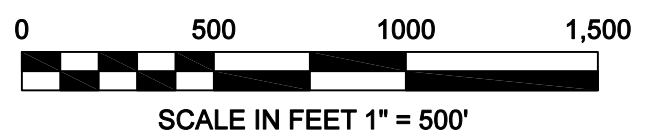
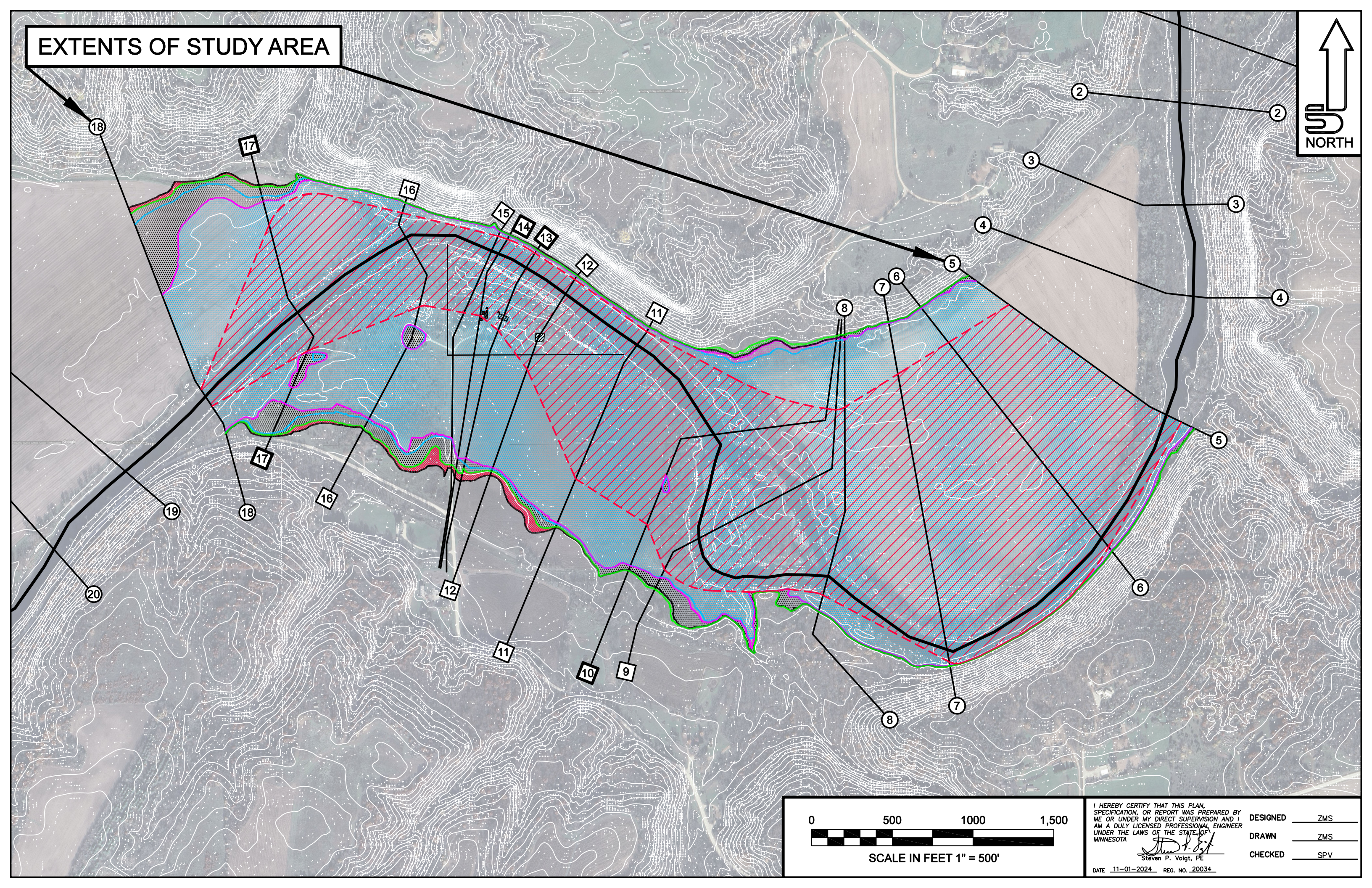
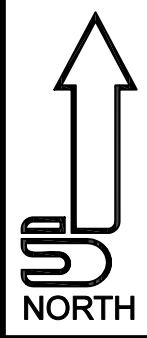
LATEST REVISION: 11/01/2024

ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

CROSS SECTION KEY

1.....	79,776.87
2.....	80,253.88
3.....	80,890.45
4.....	81,465.86
5.....	82,227.23
6.....	83,093.40
7.....	84,306.51
8.....	85,183.04
9.....	86,134.01
10.....	86,807.68
11.....	87,548.45
12.....	88,093.41
13.....	88,387.28
14.....	88,579.92
15.....	88,625.86
16.....	89,180.17
17.....	89,998.04
18.....	90,760.18
19.....	91,439.31
20.....	92,102.40

EXTENTS OF STUDY AREA



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

Steven P. Voigt
Steven P. Voigt, PE

DATE 11-01-2024 REG. NO. 20034

DESIGNED	ZMS
DRAWN	ZMS
CHECKED	SPV