

CERTIFICATE OF SURVEY

PART OF GOVERNMENT LOTS 1 & 2,
SECTION 15, TOWNSHIP 136 NORTH, RANGE 28 WEST,
CROW WING COUNTY, MINNESOTA
AREA = 22,311 SQ. FT.± / 0.5 ACRES±

LEGAL DESCRIPTION PER DOCUMENT NUMBER 932090

That part of Government Lots 1 and 2, Section 15, Township 136, Range 28, described as follows: Commencing at the Northwest corner of said Section 15, and considering the North line of said Section 15 as an East-West line; thence North 89 degrees 12 minutes East 269.6 feet; thence South 56 degrees 57 minutes East 427.9 feet; thence South 69 degrees 38 minutes East 241.2 feet; thence South 19 degrees 29 minutes East 417.6 feet; thence South 30 degrees 49 minutes East 133.24 feet; thence South 49 degrees 57 minutes 40 seconds East 298.33 feet to the point of beginning of tract to be herein described; thence South 49 degrees 57 minutes 40 seconds East 96.45 feet; thence South 64 degrees 24 minutes 05 seconds East 5.96 feet; thence South 27 degrees 13 minutes West 230 feet more or less to the shore of Pelican Lake; thence Northwesterly along said shore to its intersection with a line bearing South 27 degrees 13 minutes West from the point of beginning; thence North 27 degrees 13 minutes East 245 feet more or less to the point of beginning.

TOGETHER WITH AND SUBJECT TO a non-exclusive 33 foot wide roadway and utility easement for ingress and egress through a part of the SW1/4 SW1/4, Section 10 and Government Lots 1 and 2, Section 15, Township 136, Range 28, said easement lying 16.5 feet on each side of the following described centerline: Beginning at the Northwest corner of said Section 15; thence East, assumed bearing along the North line of said Section 15 a distance of 272.08 feet; thence South 57 degrees 26 minutes 02 seconds East 698.46 feet; thence South 25 degrees 06 minutes 13 seconds East 392.34 feet; thence South 30 degrees 49 minutes 00 seconds East 92.66 feet; thence South 49 degrees 57 minutes 40 seconds East 389.91 feet, Crow Wing County, Minnesota.

IMPERVIOUS CALCULATIONS

EXISTING	IMPERVIOUS AREA (sq.ft.)	Net Area (sq.ft.)	Percent Impervious (sq.ft.)
House, Porch & Overhang	2,521	22,311	11.3%
Deck	113	22,311	0.5%
Concrete & Flagstone	1,227	22,311	5.5%
Bituminous Driveway	2,023	22,311	9.1%
Total	5,884	22,311	26.4%

IMPERVIOUS CALCULATIONS

PROPOSED	IMPERVIOUS AREA (sq.ft.)	Net Area (sq.ft.)	Percent Impervious (sq.ft.)
House, Porch & Overhang	2,521	22,311	11.3%
Proposed Addition	54	22,311	0.2%
Decks	63	22,311	0.3%
Concrete & Flagstone	1,227	22,311	5.5%
Bituminous Driveway	2,023	22,311	9.1%
Total	5,888	22,311	26.4%

RUN OFF CALCULATIONS

Total Impervious Surface Area (from table above)	5,888 sq. ft.	x	0.0833 ft.	=	491 cu. ft.
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PROPOSED RUN OFF AREAS

TOP SURFACE AREA = 362 SQ. FT.
BOTTOM SURFACE AREA = 180 SQ. FT.
1' DEEP WITH 3:1 SIDE SLOPES
TOTAL RUN OFF STORAGE PROPOSED = 271 CU. FT.
TOP SURFACE AREA = 316 SQ. FT.
BOTTOM SURFACE AREA = 129 SQ. FT.
1' DEEP WITH 3:1 SIDE SLOPES
TOTAL RUN OFF STORAGE PROPOSED = 222 CU. FT.

NOTES:

- Contour interval as shown = 2 foot. Based on NGVD 29 datum. Contours shown have been obtained using standard survey topographic methodologies. Field located on 10-30-2024.
- Zoning for subject tract = "Medium Density Residential (R-2)".
- Parcel ID of subject parcel: 10150512.
- The E911 address of subject parcel: 9813 Weavers Point Road.
- Setbacks as shown can be subject to interpretation. Verification of setbacks by the governing body is advised prior to building.
- Property is in "Zone X" and "Zone A" as per the FIRM, Flood Insurance Rate Map. "Zone A" definition: Areas of 100-year flood base elevations and flood hazard factors not determined. "Zone X" definition: Areas of minimal flooding.
- Approximate location of septic system per sketch prepared by Martin Joyce, Martin Joyce Septic Services, LLC
- Stonemark Land Surveying, Inc. has made no investigation or independent search for easements of record, encumbrances, restrictive covenants, ownership title evidence, or any other facts that an accurate and current title search may disclose.
- National Wetland Inventory Report shows no wetlands within subject property.

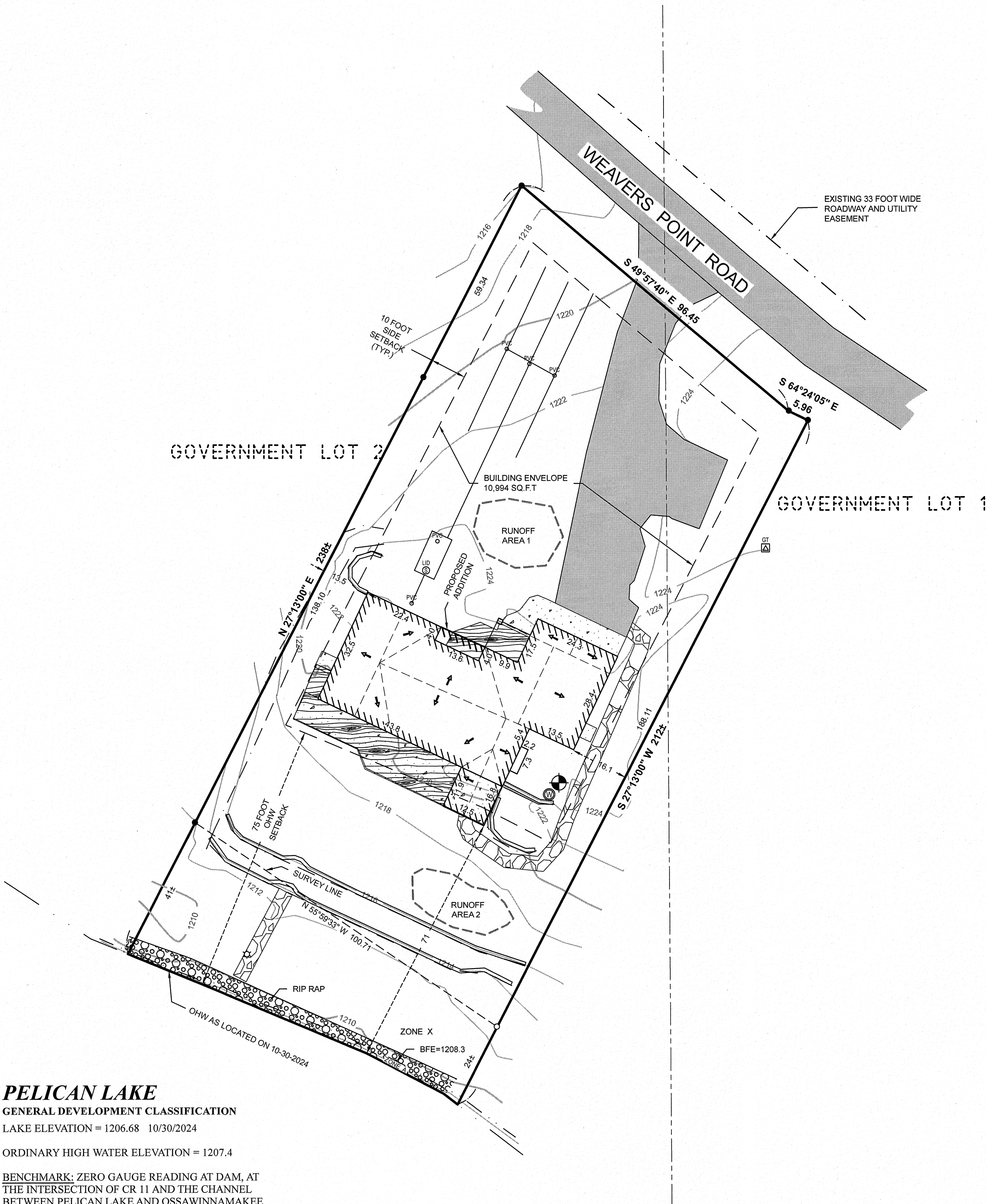
PELICAN LAKE

GENERAL DEVELOPMENT CLASSIFICATION

LAKE ELEVATION = 1206.68 10/30/2024

ORDINARY HIGH WATER ELEVATION = 1207.4

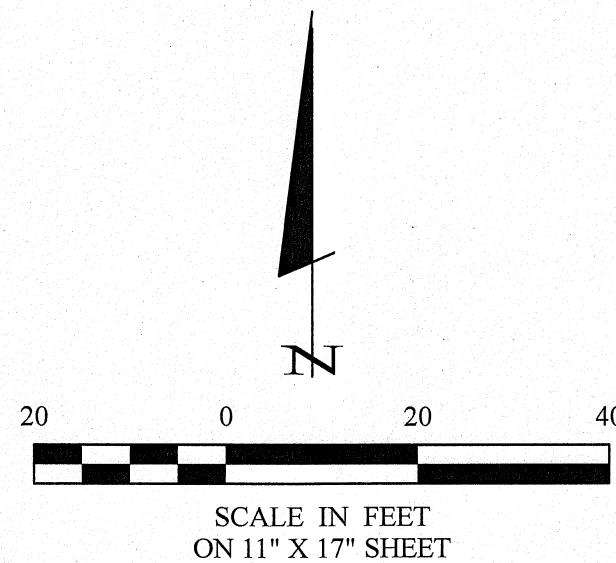
BENCHMARK: ZERO GAUGE READING AT DAM, AT THE INTERSECTION OF CR 11 AND THE CHANNEL BETWEEN PELICAN LAKE AND OSSAWINNAMAKEE LAKE, HAS AN ELEVATION = 1205.28
INFORMATION OBTAINED FROM MNDNR NGVD 29 DATUM



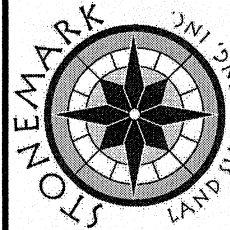
LEGEND

- DENOTES EXISTING RETAINING WALL
- DENOTES EDGE OF EXISTING BITUMINOUS
- DENOTES FLAGSTONE
- DENOTES EDGE OF EXISTING CONCRETE
- DENOTES EDGE OF EXISTING WOODEN DECKING
- DENOTES EXISTING INTERMEDIATE CONTOURS
- DENOTES EXISTING INDEX CONTOURS
- DENOTES EXISTING MOUNTED LIGHT
- DENOTES EXISTING GROUND TRANSFORMER
- DENOTES EXISTING PHONE PEDESTAL & PHONE BOX
- DENOTES EXISTING WELL
- DENOTES EXISTING SEPTIC VENT, SEPTIC CLEANOUT, & SEPTIC TANK LID
- DENOTES EXISTING SEPTIC LIFT STATION
- BENCHMARK: HIGH POINT OF WELL
ELEV. = 1226.39
NGVD 29 DATUM
- DENOTES BASE FLOOD ELEVATION
- DENOTES MONUMENT FOUND
- DENOTES IRON MONUMENT SET MARKED BY LICENSE No. 44881

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE NORTH LINE OF SECTION 15 TO HAVE AN ASSUMED BEARING OF N 00°00'00\" E.



30206 Rasmussen Road
Suite 1
P.O. Box 874
Pequot Lakes, MN 56472
218-568-4940
www.stonemarksurvey.com



I HEREBY CERTIFY THAT THIS SURVEY PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA
Cynthia M. Hilde
CYNTHIA M. HILDE
11/20/2024
DATE

REVISIONS	DESCRIPTION	DATE
BY		

DATE:	11-20-2024
SCALE:	1" = 20'
HORIZ.	NONE
VERT.	NONE

PROJECT No.:	24276
FILE NAME:	C24276.DWG
FIELD BOOK:	BOOK
PROJECT MANAGER:	CMH
CHECKED:	RJF
DRAWN BY:	CMH

CERTIFICATE OF SURVEY	Paula Pysick 140 County Rd 112 Watertown, MN 55588
SHEET	1 OF 1