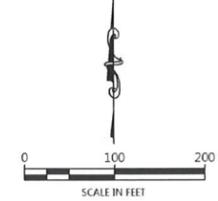
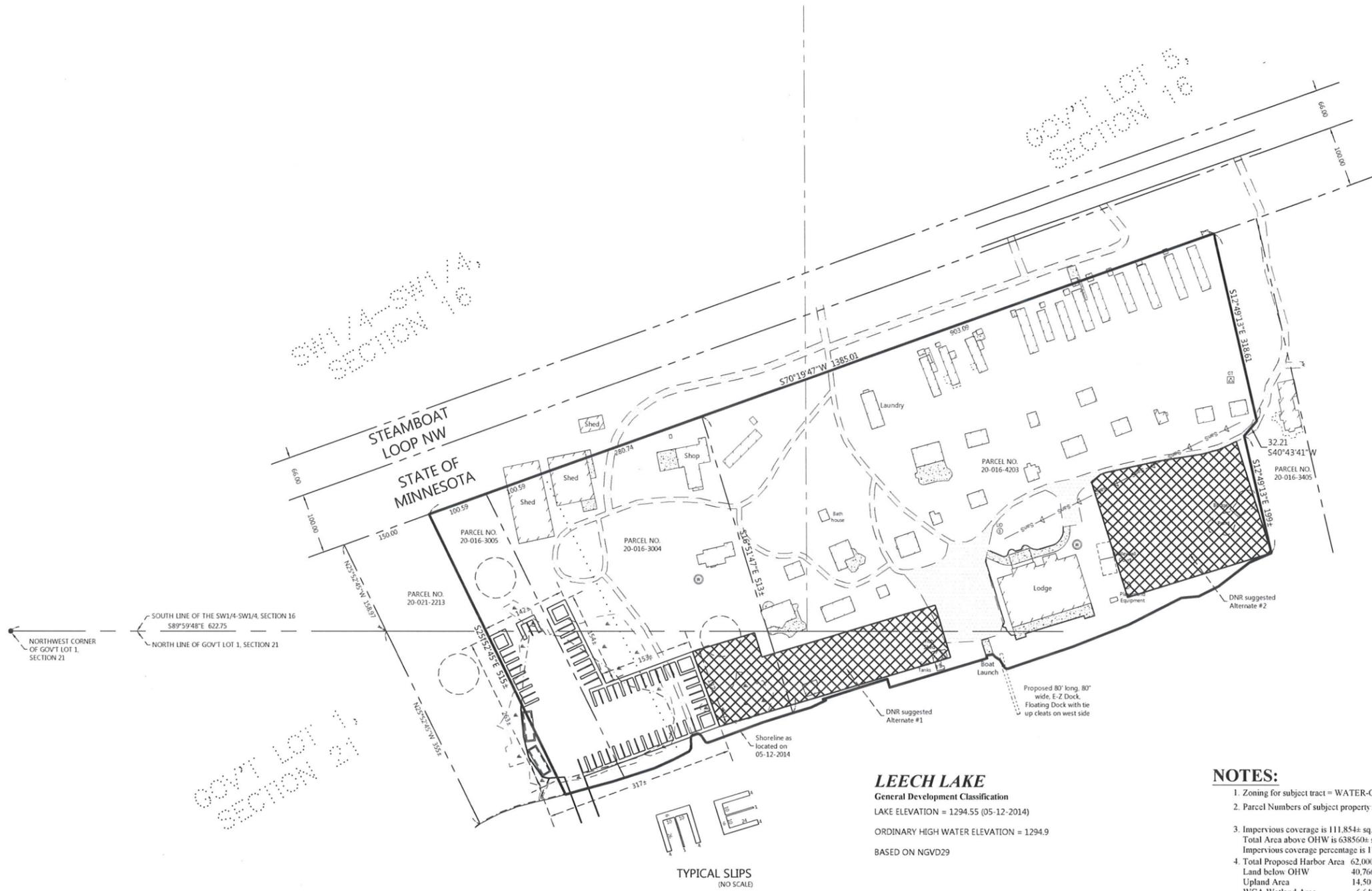


CERTIFICATE OF SURVEY

PART OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER AND PART OF GOVERNMENT LOT 5, SECTION 16,
AND PART OF GOVERNMENT LOT 1, SECTION 21,
ALL IN TOWNSHIP 143 NORTH, RANGE 31 WEST,
CASS COUNTY, MINNESOTA



ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE NORTH LINE OF GOVERNMENT LOT 1, SECTION 21 TO HAVE AN ASSIGNED BEARING OF S 89°59'48" E.

LEGEND

- DENOTES MONUMENT FOUND
- DENOTES DELINEATED WETLAND(S) by Ben Meister, May 2014
- ⊙ DENOTES EXISTING WELL
- ⊕ DENOTES EXISTING SEPTIC VENT, SEPTIC CLEANOUT, & SEPTIC TANK LID
- ⊖ DENOTES EXISTING SANITARY SEWER MAIN (underground, approximate location)
- ⊞ DENOTES EXISTING GROUND TRANSFORMER
- ▨ DENOTES EDGE OF EXISTING GRAVEL
- ▩ DENOTES EDGE OF EXISTING CONCRETE, or PAVEMENT STONES
- ▧ DENOTES EXISTING STRUCTURE
- DENOTES TEMPORARY SPOIL BANK SURROUNDED BY SILT FENCE

NOTES:

1. Zoning for subject tract = WATER-ORIENTED COMMERCIAL.
2. Parcel Numbers of subject property: 20-016-3005, 20-016-3004, and 20-016-4203.
3. Impervious coverage is 111,854± sq.ft.
Total Area above OHW is 638,560± sq.ft.
Impervious coverage percentage is 17%.
4. Total Proposed Harbor Area 62,000± sq.ft.
Land below OHW 40,766± sq.ft. (66%)
Upland Area 14,501± sq.ft. (23%)
WCA Wetland Area 6,649± sq.ft. (11%)
Total Removal 13,778± cu.yds.

LEECH LAKE

General Development Classification
LAKE ELEVATION = 1294.55 (05-12-2014)
ORDINARY HIGH WATER ELEVATION = 1294.9
BASED ON NGVD29

TYPICAL SLIPS
(NO SCALE)

NO	DATE	DESCRIPTION
1	11-18-2014	Added Alternative Harbor Sites

I HEREBY CERTIFY THAT THIS SURVEY, PLAN OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.


 TERRY L. FREEMAN
 LIC. NO. 21367



NORTHERN ENGINEERING & CONSULTING, INC.
 P.O. Box 292, Walker, MN, 56484
 Phone: 218-547-1296, Fax: 218-547-2272
 web: www.necusa.com

CERTIFICATE OF SURVEY

Hiawatha Beach Resort, c/o Larry Jacobson
 10930 Steamboat Loop NW
 Walker, MN 56484

JOB NO. 14-058
 DATE: 09-04-2014

SHEET NO.
 1 OF 1