

ACORN HILL RESORT

PART OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER,
SECTION 31, TOWNSHIP 143 NORTH, RANGE 30 WEST,
AND PART OF GOVERNMENT LOT 1,
SECTION 6, TOWNSHIP 142 NORTH, RANGE 30 WEST,
CASS COUNTY, MINNESOTA
TOTAL AREA 15.5± ACRES
EXISTING CONDITIONS

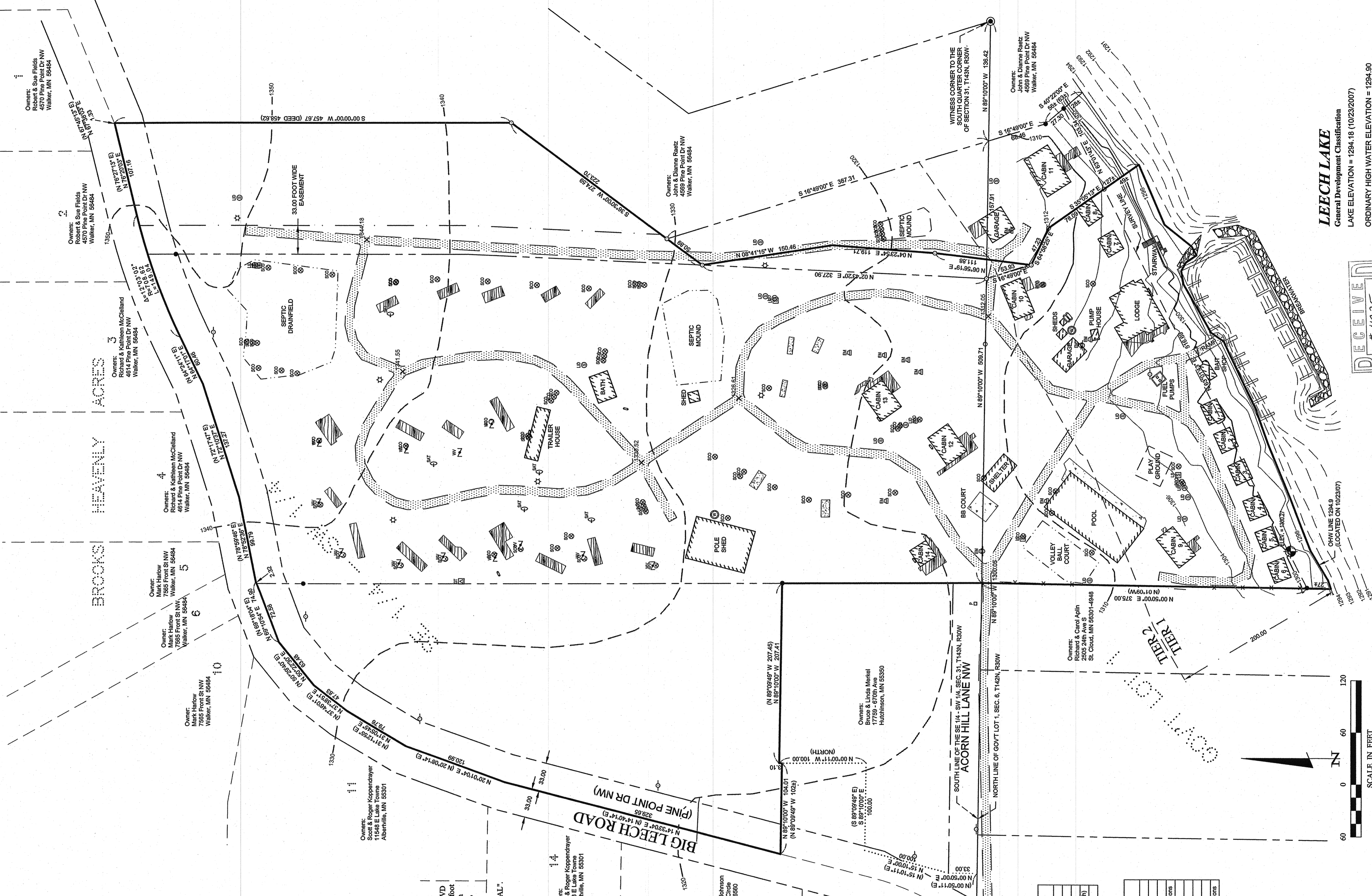
LEGEND

- DENOTES EXISTING SATELLITE
- ☆ DENOTES EXISTING MOUNTED LIGHT
- DENOTES EXISTING UTILITY POLE
- ⊖ DENOTES EXISTING ELECTRIC METER
- ⊕ DENOTES EXISTING GROUND TRANSFORMER
- ⊔ DENOTES EXISTING PHONE PEDestal
- ⊗ DENOTES EXISTING WELL
- ⊕ DENOTES EXISTING CHECK VALVE & GATE VALVE
- ⊖ DENOTES EXISTING SEPTIC VENT, SEPTIC CLEANOUT, & SEPTIC TANK LID
- ⊕ DENOTES EXISTING LP TANK
- ⊔ DENOTES EDGE OF EXISTING CONCRETE
- ⊕ DENOTES EDGE OF EXISTING GRAVEL
- ⊔ DENOTES EDGE OF EXISTING WOODEN DECKING
- ⊕ DENOTES EXISTING STRUCTURE
- X—X—X— DENOTES EXISTING FENCE LINE
- 1302--- DENOTES EXISTING INTERMEDIATE CONTOURS
- 1293--- DENOTES APPROXIMATE EXISTING INTERMEDIATE CONTOURS (1 FOOT)
- 1300--- DENOTES EXISTING INDEX CONTOURS
- 1320--- DENOTES APPROXIMATE EXISTING INDEX CONTOURS (10 FOOT)
- ⊕ DENOTES SPOT ELEVATION (EXISTING GRADE)
- ⊕ DENOTES BENCHMARK: 604 SPIKE IN SOUTHWESTERLY SIDE OF 20' OAK
- ⊕ DENOTES ELEVATION NGVD 29
- ⊕ DENOTES FOUND U.S. GOVERNMENT SURVEY BRASS CAP MONUMENT
- ⊕ DENOTES MONUMENT FOUND
- DENOTES IRON MONUMENT (AS MARKED BY LICENSE NO. 2137)
- DENOTES PLAT AND/OR DEEDED MEASURE (123.45)

1. Contour interval as shown = 2 foot. Based on NGVD 29 datum. Dashed contours within lake are one foot interval and are approximate. Dashed contours on land above the OHW setback are ten foot interval, approximate and obtained from USGS data.

2. Zoning for subject tract = "WATER ORIENTED COMMERCIAL & SHORELAND RESIDENTIAL".

3. There are no wet lands on surveyed property.

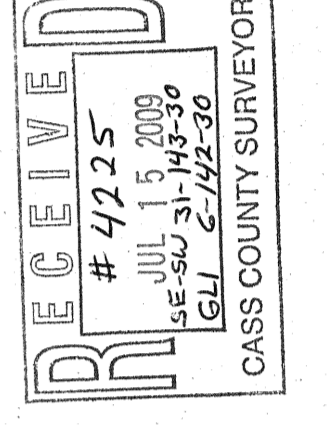


EXISTING STRUCTURES

Tier	Area (ac-ft)	Description
1	11,074	Permanent Structures
2	43,101	Permanent Structures
	12,560	25' SET BACK (Average 500 sq. ft. each)
	25,661	Total Area in Tier 2

EXISTING DENSITY

Tier	Area (ac-ft)	Description
1	94,668	Suitable Area
	11,360	Allowable Area (12% of suitable)
	11,074	Existing Structures
	288	Allowable Area available for additions
2	525,901	Suitable Area
	47,331	Allowable Area (9% of suitable)
	25,661	Existing Structures
	21,790	Allowable Area available for additions



LEECH LAKE
General Development Classification
LAKE ELEVATION = 1294.18 (10/23/2007)
ORDINARY HIGH WATER ELEVATION = 1294.90
HIGHEST RECORDED ELEVATION = 1296.09 (07/16/2001)
BENCHMARK: 604 SPIKE IN SOUTHWESTERLY SIDE OF 20' OAK. ELEVATION = 1300.27
BASED ON 1929 DATUM.

SCALE IN FEET
ORIENTATION OF THE BEARING SYSTEM IS BASED ON THE SOUTH LINE OF THE SE 1/4 - SW 1/4, SEC. 31, T143N, R30W TO HAVE AN ASSUMED BEARING OF N 89°10'00" W.

PROJECT NO.:	072207	DATE:	12-05-2007
PROJECT MANAGER:	Richard Brada	DESCRIPTION:	Adjusted boundary and density calculations
TLF:	PL072207	DATE:	06-26-2009
CHECKED BY:	WAG	DESCRIPTION:	Adjusted boundary and density calculations
TLF:	FIELD BOOK	DATE:	06-12-2009
DRAWN BY:	WAG	DESCRIPTION:	Adjusted boundary and density calculations
BOOK:	288	DATE:	05-12-09
PAGE:	19	DATE:	5/12/09
VERT.:	NONE	DATE:	5/12/09

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

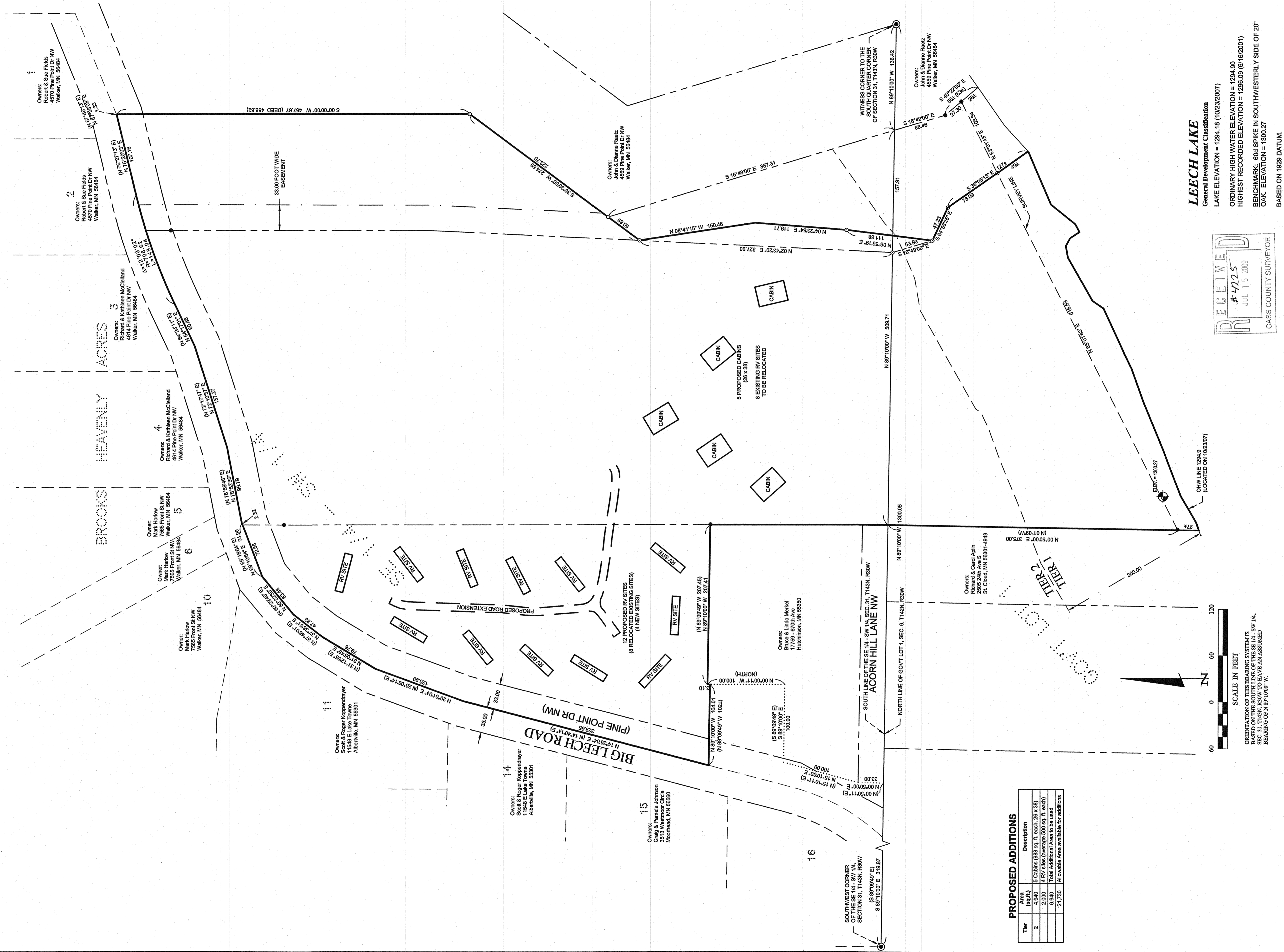
Landecker & Associates, Inc.
Engineering, Surveying - Planning
Walker, MN 56484
Phone: 218-541-1296
LIC. NO. 213767

LEGEND

- BENCHMARK
664 SPIKE IN SOUTHWESTERLY
SIDE OF 20' OAK
ELEV. = 1300.27
NGVD 29
- DENOTES FOUND U.S.
GOVERNMENT SURVEY BRASS
CAP MONUMENT
- DENOTES MONUMENT FOUND
- DENOTES IRON MONUMENT
NOT RECORDED BY LICENSE
NO. 21367
- (123.45) DENOTES PLAT AND/OR
DREDD MEASURE

ACORN HILL RESORT

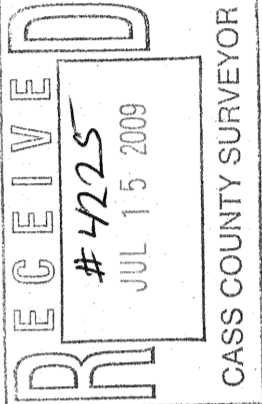
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SECTION 31, TOWNSHIP 143 NORTH, RANGE 30 WEST,
AND PART OF GOVERNMENT LOT 1,
SECTION 6, TOWNSHIP 142 NORTH, RANGE 30 WEST,
CASS COUNTY, MINNESOTA
TOTAL AREA 15.5± ACRES
PROPOSED ADDITIONS



PROPOSED ADDITIONS

Tier	Area (sq ft)	Description
2	4,940	5 Cabins (988 sq. ft. each, 26' x 38')
	2,000	4 RV sites (average 500 sq. ft. each)
	6,940	Total Additional Area to be used
	21,730	Allowable Area available for additions

LEECH LAKE
General Development Classification
LAKE ELEVATION = 1294.18 (10/23/2007)
ORDINARY HIGH WATER ELEVATION = 1294.90
HIGHEST RECORDED ELEVATION = 1296.09 (8/18/2001)
BENCHMARK: 604 SPIKE IN SOUTHWESTERLY SIDE OF 20'
OAK. ELEVATION = 1300.27
BASED ON 1929 DATUM.



PROJECT MANAGER: TLF		PROJECT NO.:	DATE:	REVISIONS	DATE	DESCRIPTION
CHECKED BY: TLF		FILE NAME:	SCALE:	Adjusted boundary and density calculations	04-24-2009	
DRAWN BY: WAG		FIELD BOOK:	HORIZ. 1" = 60'	Density calculations	05-12-2009	
SHEET 2 OF 3		BOOK 288 Pg. 19	VERT. NONE			

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE SOUTH LINE OF THE SE 1/4 - SW 1/4, SEC. 31, T43N, R30W TO HAVE AN ASSUMED BEARING OF N 89°10'00" W.

DATE: 5/17/09
Terry L. Freeman
LIC. NO. 21367

HEREBY CERTIFY THAT THIS SURVEY, PLAN, SPECIFICATION, OR REPORT WAS MADE BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

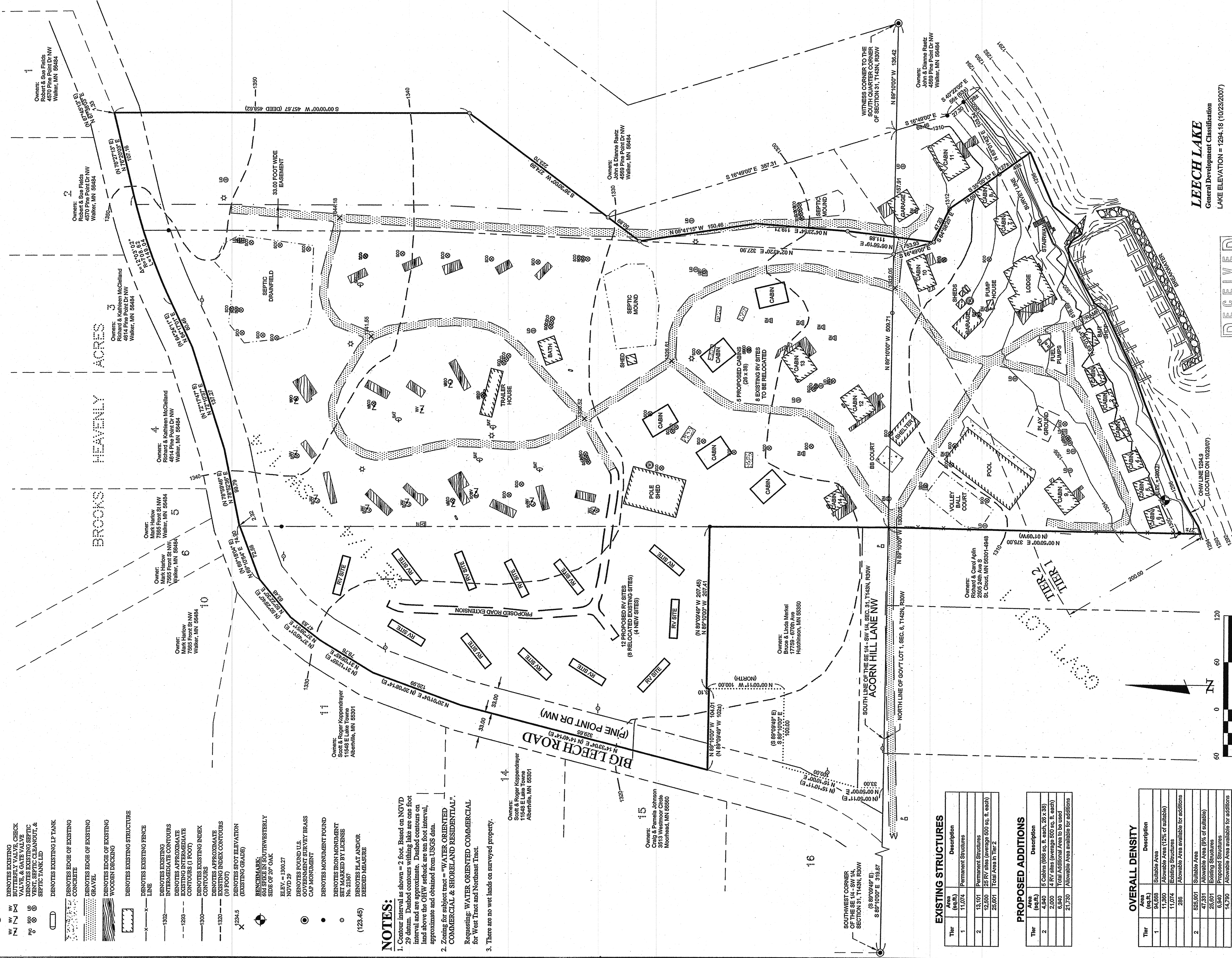
Landecker & Associates, Inc.
Engineering - Surveying - Planning
Walker, MN 56464
Phone: 218-547-1396 Fax: 218-547-2272

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ACORN HILL RESORT

PART OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER,
SECTION 31, TOWNSHIP 143 NORTH, RANGE 30 WEST,
AND PART OF GOVERNMENT LOT 1,
SECTION 6, TOWNSHIP 142 NORTH, RANGE 30 WEST,
CASS COUNTY, MINNESOTA
TOTAL AREA 15.5± ACRES
OVERALL PLAN

- LEGEND**
- ANT DENOTES EXISTING SATELLITE
 - ☆ DENOTES EXISTING MOUNTED LIGHT
 - DENOTES EXISTING UTILITY POLE
 - ⊕ DENOTES EXISTING ELECTRIC METER
 - ⊞ DENOTES EXISTING GROUND TRANSFORMER
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 - ⊞ DENOTES MONUMENT FOUND
 - ⊞ DENOTES IRON MONUMENT
 - ⊞ DENOTES PLAT AND/OR DEEDED MEASURE (123.45)



NOTES:

- Contour interval as shown = 2 foot. Based on NGVD 29 datum. Dashed contours within lake are one foot interval and are approximate. Dashed contours on land above the OHW setback are ten foot interval, approximate and obtained from USGS data.
- Zoning for subject tract = "WATER ORIENTED COMMERCIAL & SHORELAND RESIDENTIAL". Requesting: WATER ORIENTED COMMERCIAL for West Tract and Northeast Tract.
- There are no wet lands on surveyed property.

EXISTING STRUCTURES

Tier	Area (sq.ft.)	Description
1	11,074	Permanent Structures
2	13,101	Permanent Structures
	12,500	25 RV sites (average 500 sq. ft. each)
	25,601	Total Area in Tier 2

PROPOSED ADDITIONS

Tier	Area (sq.ft.)	Description
2	4,940	5 Cabins (988 sq. ft. each, 26 x 38)
	2,000	4 RV sites (average 500 sq. ft. each)
	6,940	Total Additional Area to be used
	21,730	Allowable Area available for additions

OVERALL DENSITY

Tier	Area (sq.ft.)	Description
1	94,688	Subleasable Area
	11,300	Allowable Area (12% of subleasable)
	11,074	Existing Structures
	285	Allowable Area available for additions
2	55,501	Subleasable Area
	47,331	Allowable Area (85% of subleasable)
	25,601	Existing Structures
	6,940	Proposed Structures
	14,730	Allowable Area available for additions

LEECH LAKE
General Development Classification
LAKE ELEVATION = 1294.18 (10/29/2007)
ORDINARY HIGH WATER ELEVATION = 1294.90
HIGHEST RECORDED ELEVATION = 1296.09 (6/16/2001)
BENCHMARK: 604 SPIKE IN SOUTHWESTERLY SIDE OF 20' OAK. ELEVATION = 1300.27
BASED ON 1929 DATUM.

RECEIVED
4725
JUL 15 2009
CASS COUNTY SURVEYOR

ORIENTATION OF THIS PLANS SYSTEM IS BASED ON THE SOUTHERLY LINE OF TIER 2 AS SHOWN IN SEC. 31, T143N, R30W TO HAVE AN ASSUMED BEARING OF N 89°10'00" W.

PROJECT MANAGER: ACORN HILL RESORT
TLF: OVERALL PLAN
CHECKED BY: Richard Breda
DRAWN BY: 6503 Eagle Ridge Road NW Walker, MN 56484

DATE: 12-05-2007
SCALE: 1" = 60'
VERT. NONE

REVISIONS

DATE	DESCRIPTION	BY
04-28-2008	Adjusted boundary and density calculations	WAG
05-22-2008	Adjusted boundary and density calculations	WAG

DATE: 5/12/09
LIC. NO. 21567

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

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