TOPOGRAPHIC SURVEY

LOTS 2 & 3, BLOCK 3, THUNDER ECHOES, SECTION 10, TOWNSHIP 140 NORTH, RANGE 26 WEST, CASS COUNTY, MINNESOTA

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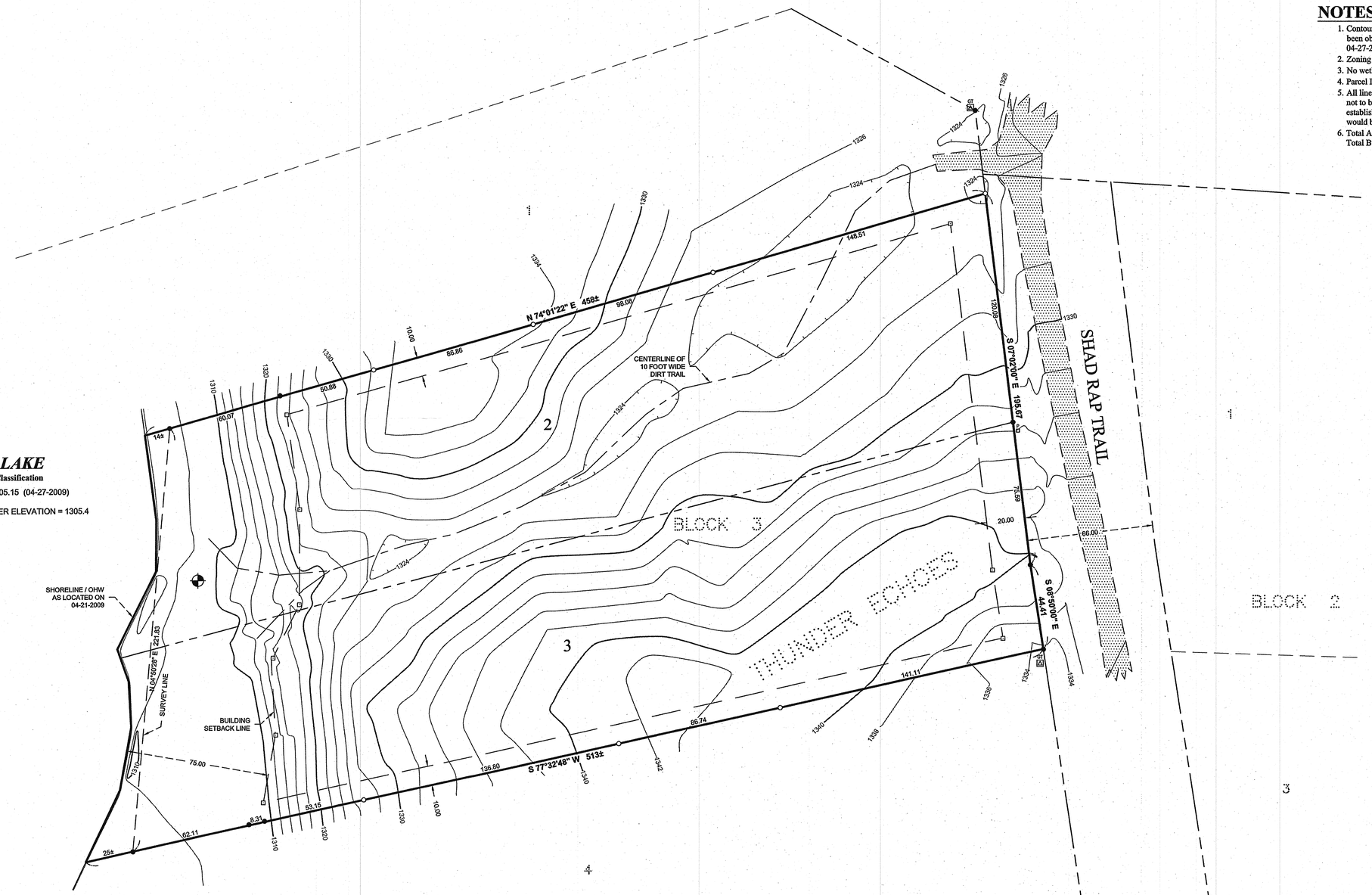

THUNDER LAKE

General Development Classification

LAKE ELEVATION = 1305.15 (04-27-2009)

ORDINARY HIGH WATER ELEVATION = 1305.4

BASED ON NGVD 29.

NOTES:

1. Contour interval as shown = 2 foot. Based on NGVD 29 datum. Contours shown have been obtained using standard survey topographic methodologies. Field located on 04-27-2009.
2. Zoning for subject tract = "Shoreland Residential".
3. No wetland delineation was performed for the purpose of this survey.
4. Parcel ID of subject parcel: 42-389-0310 & 42-389-0315.
5. All lines marked with flagging are only an approximation of the true boundary lines and are not to be used as an exact boundary location. Flagged lines should not be used for the establishment of improvements. To mark true boundary lines, additional monumentation would be required.
6. Total Area of Lots 2 and 3 = 106,351 sq. ft.
   Total Buildable Area = 76,685 sq. ft.

RECEIVED
#42219
JUL 15 2009
CLS 10-140-26
CASS COUNTY SURVEYOR

LEGEND

- 1208 — DENOTES EXISTING INTERMEDIATE CONTOURS
- 1208 — DENOTES EXISTING INTERMEDIATE CONTOURS (DEPRESSION)
- 1210 — DENOTES EXISTING INDEX CONTOURS
- DENOTES EDGE OF EXISTING GRAVEL
- TR DENOTES EXISTING GROUND TRANSFORMER
- P DENOTES EXISTING PHONE PEDESTAL
- DENOTES LATH SET ALONG BUILDING SETBACK LINES
- DENOTES MONUMENT FOUND
- DENOTES IRON MONUMENT SET MARKED BY LICENSE No. 17008
- **BENCHMARK:** 3/8" SPIKE IN EAST SIDE OF A 20" RED PINE.
  ELEV. = 1309.56

30 0 30 60
SCALE IN FEET

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE RECORDED PLAT OF THUNDER ECHOES.

Landecker & Associates, Inc.
Engineering - Surveying - Planning
Walker, MN 56484
Phone: 218-547-1296 Fax: 218-547-2272

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.

Terry L. Freeman, PLS #21367
LIC. NO. 21367
DATE 4/29/09

REVISIONS			
NO.	DESCRIPTION	BY	DATE

PROJECT MANAGER:	TLF
PROJECT No.:	092031
DATE:	04-29-2009
CHECKED BY:	TLF
FILE NAME:	T092031.dwg
SCALE:	HORZ. 1" = 30'
DRAWN BY:	WAG
FIELD BOOK:	BOOK 324P PG. 70
	VERT. NONE

TOPOGRAPHIC SURVEY

Lands End Development
Attn: Jeff Balmer
13817 County Road 36
Cross Lake, MN 56442

SHEET 1 OF 1

Wayne gregory 4/29/2009 2:16 PM - F:\Drawings\2009\092031 LANDS END DEVELOPMENT\dwg\T092031.dwg