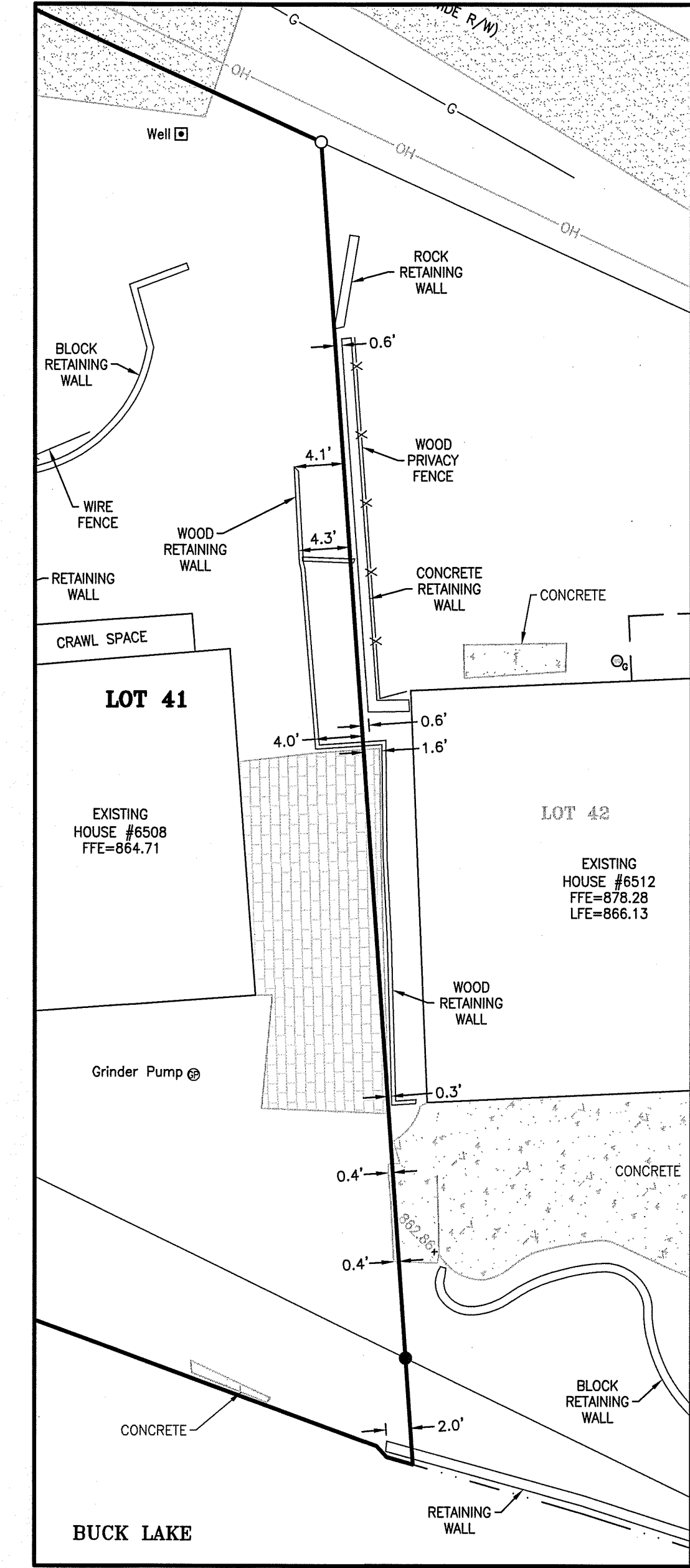
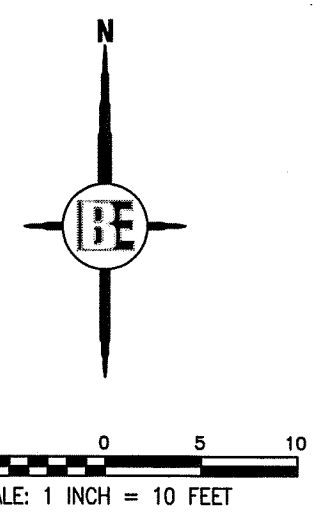
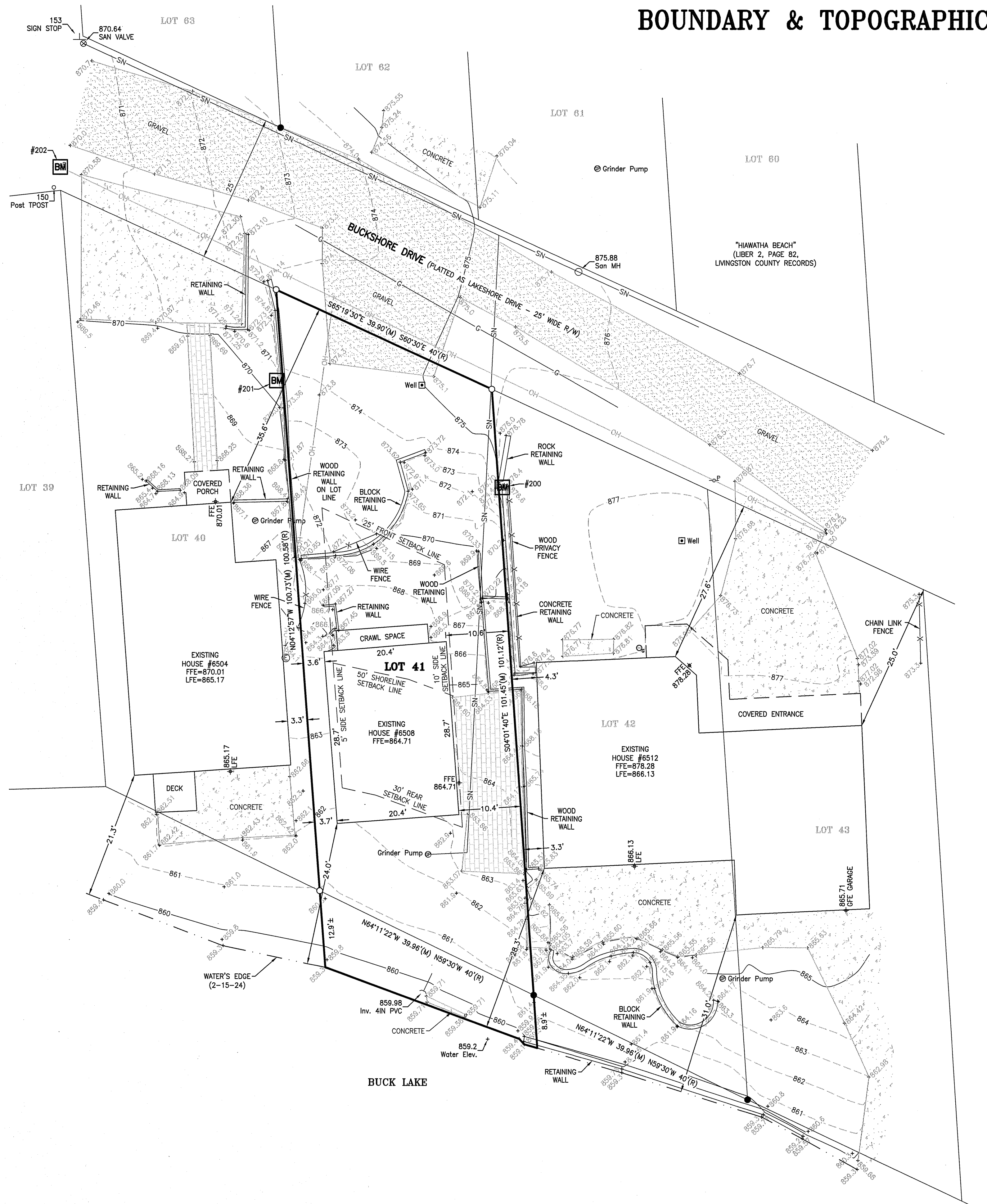


# BOUNDARY & TOPOGRAPHICAL SURVEY



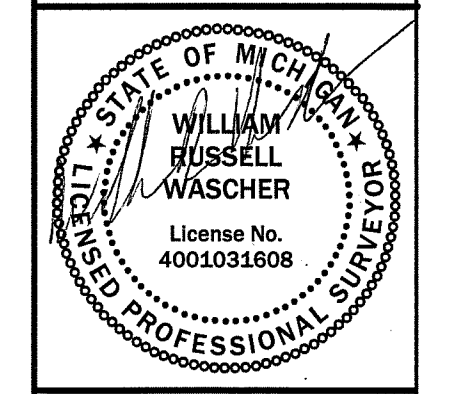
- GENERAL SURVEY NOTES:**
1. BEARINGS ARE BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE.
  2. SUBSURFACE UTILITIES NOT LOCATED FOR THIS SURVEY MAY EXIST. IT IS THE RESPONSIBILITY OF THE OWNER OF THE RESPECTIVE UTILITY TO ACCURATELY LOCATE SUCH UTILITIES.
  3. EASEMENTS OR RESTRICTIONS OF RECORD NOT DEPICTED ON THIS DRAWING MAY EXIST.
  4. ELEVATIONS WERE ESTABLISHED WITH GPS USING OPUS GPS POST-PROCESSING. (NAVD83 DATUM)
  5. CONTOURS ARE SHOWN AT 1 FOOT INTERVALS.
  6. SUBJECT PROPERTY IS DESIGNATED AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN (ZONE X) ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), FLOOD INSURANCE RATE MAP (FIRM), FOR THE TOWNSHIP OF HAWTHORNE, LIVINGSTON COUNTY, MICHIGAN, MAP NUMBER 26093C0454D, WITH AN EFFECTIVE DATE OF SEPTEMBER 17, 2008.
  7. THE LOCATIONS OF STORM SEWER, SANITARY SEWER & WATERMAIN, AS SHOWN ON THIS DRAWING ARE APPROXIMATE. THE LOCATIONS ARE BASED ON PHYSICAL FIELD LOCATIONS OF STRUCTURES.
  8. ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE MUNICIPALITY, THE COUNTY, AND THE STATE OF MICHIGAN.
  9. ALLOW THREE WORKING DAYS BEFORE YOU DIG, CALL MISS DIG TOLL FREE 1-800-482-7171.
  10. THERE WAS SNOW ON THE GROUND AT THE TIME OF FIELDWORK FOR THIS SURVEY.

- LEGEND**
- 900- EXISTING CONTOUR
  - BM EXISTING SPOT ELEVATION
  - BM BENCHMARK
  - P- POWER POLE
  - ⊕ ELECTRICAL METER
  - ⊞ WELL
  - ( ) STORM INVERT
  - ⊙ GAS METER
  - ⊕ SIGN
  - STEEL ROD SET
  - STEEL ROD OR PIPE FOUND
  - ⊙ MONUMENT FOUND
  - SN- SANITARY SEWER
  - G- GAS MAIN
  - OH- OVERHEAD WIRES
  - X- FENCE
  - ⊙ PUMP CHAMBER
  - ⊙ SAN MH SANITARY MANHOLE
  - (MAR) MEASURED AND RECORD
  - FFE FINISHED FIRST FLOOR ELEVATION
  - LFE FINISHED LOWER FLOOR ELEVATION
  - GFE GARAGE FLOOR ELEVATION
  - [Pattern] CONCRETE
  - [Pattern] GRAVEL
  - [Pattern] PAVERS

CURRENT ZONING: WFR (WATERFRONT RESIDENTIAL)  
 MINIMUM SETBACK REQUIREMENTS:  
 FRONT = 25 FEET  
 SIDES = 5 FEET ON ONE SIDE WITH TOTAL OF 15 FEET  
 REAR = 30 FEET  
 ORDINARY HIGH WATER MARK = 50 FEET  
 MINIMUM LOT AREA = 43,500 SQ.FT.±  
 MINIMUM LOT WIDTH = 64 FEET AT R.O.W. & 100 FEET AT BUILDING  
 MAXIMUM LOT COVERAGE = 35% BUILDINGS & 40% PARKING  
 MAXIMUM BUILDING HT. = 35 FEET OR (2.5) STORIES

**SITE BENCHMARKS (NAVD83 DATUM):**  
 -BM #200 = SET CHISELED 'X' ON NW CORNER OF CONCRETE WALL, AT THE NW CORNER OF LOT 42 BEING HOUSE #6512 ELEV.=877.40  
 -BM #201 = SET NAIL/TAG E/S 48" MAPLE, AT THE NE CORNER OF LOT 40 BEING HOUSE #6504 ELEV.=874.12  
 -BM #202 = SET NAIL/TAG E/S POWER POLE, AT THE NW CORNER OF LOT 40 BEING HOUSE #6504 ELEV.=871.31

THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE OWNER OF THE RESPECTIVE UTILITY TO ACCURATELY LOCATE SUCH UTILITIES. THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE OWNER OF THE RESPECTIVE UTILITY TO ACCURATELY LOCATE SUCH UTILITIES. THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE OWNER OF THE RESPECTIVE UTILITY TO ACCURATELY LOCATE SUCH UTILITIES.



**BEBOSS Engineering**  
 Engineers Surveyors Planners Landscape Architects  
 3121 E. GRAND RIVER AVE.  
 HOWELL, MI. 48843  
 517.546.4836 FAX 517.548.1670

PROJECT: **6508 BUCKSHORE DRIVE**  
 PREPARED FOR: **MARK & CHRISTIE ALEXANDER**  
 504 LAJUNA LANE  
 ARROYO GRANDE, CALIFORNIA 93420  
 248-953-2769  
 TITLE: **BOUNDARY & TOPOGRAPHICAL SURVEY**

NO.	BY	DATE	REVISION PER

DRAWN BY: WRW  
 FIELD CREW: CZ/EL  
 CHECKED BY:  
 SCALE: 1" = 10'  
 JOB NO. 24-025  
 DATE 3-19-24  
 SHEET NO. **1 OF 1**

**PROPERTY DESCRIPTION PER LIVINGSTON COUNTY GIS:**  
 PARCEL #4715-23-308-103  
 SEC 23 T1N R5E HAWATHA BEACH LOT 41 & LAND S OF FRONT LOT LINE PARALLEL WITH E & W LOT LINES TO LOWEST WATER LINE HAWATHA BEACH