

**PROJECT NOTES**

- DESIGN BASED ON AAL LAND SURVEYING FIELD SURVEY DATED 02/17/2022.
- CONTROLLING BENCHMARK: BREVARD COUNTY BENCHMARK 70 92 GPS 2. 3.0" BRASS FLOOD SURVEY MARKER DISK IN CONCRETE MONUMENT STAMPED "70 92 GPS 2" EL. 11.03 (NAVD88)
- ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- BASED ON THE FEMA FIRM PANEL NO. 12059C0801 H, DATED JANUARY 29, 2021, THIS PROPERTY IS LOCATED WITHIN FLOOD ZONES X & AE
- IT IS THE RESPONSIBILITY OF THE OWNER TO DIRECT THE RUNOFF FROM NEW DEVELOPMENT TO THE APPROVED OUTFALL. DIRECTING RUNOFF TO ADJACENT PROPERTIES IS NOT PERMITTED.
- ON-SITE GRADES CANNOT EXCEED 4:1 SLOPE.
- GRADES ADJACENT TO STRUCTURES MUST SLOPE A MINIMUM OF 5% WITHIN 10' OF THE FOUNDATION PER FBC R401.3
- ALL SWALES MUST HAVE A LONGITUDINAL SLOPE OF NOT LESS THAN 1%.
- ALL DISTURBED AREAS SHALL BE FULLY SOCCDED.

**STORMWATER CALCULATIONS:**

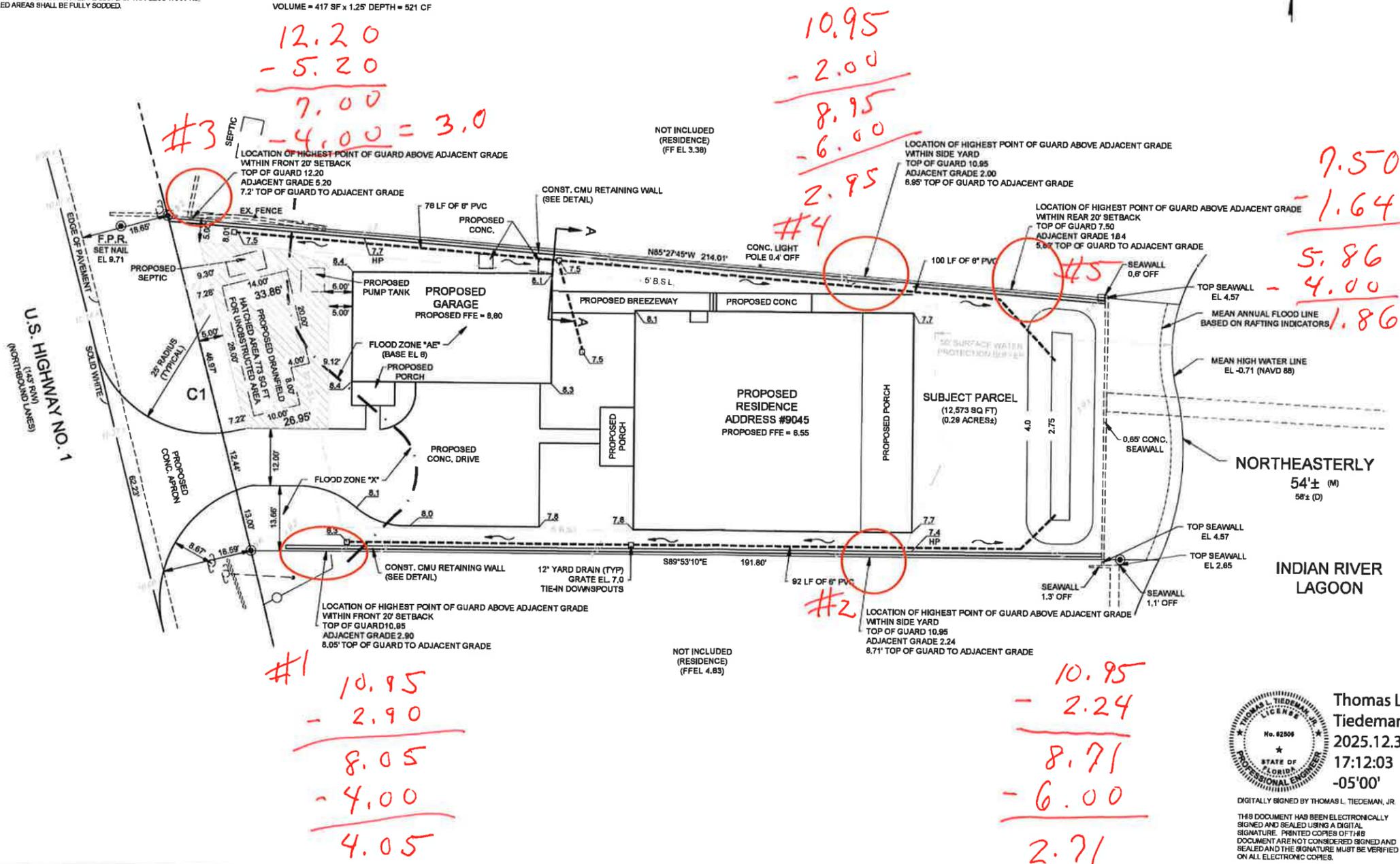
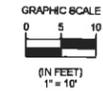
IMPERVIOUS AREA DRAINING TO IRL = 0,580 SF

IRC REQUIREMENT: PROVIDE RETENTION FOR 1" OF RUNOFF FROM IMPERVIOUS AREA DRAINING TO IRL.

1" x 5,448 SF = 454 CF

**RETENTION PROVIDED:**

BOTTOM AREA = 79 SF  
 TOP AREA = 673 SF  
 AVERAGE AREA = (181+673)/2 = 417 SF  
 VOLUME = 417 SF x 1.25' DEPTH = 521 CF



REVISION	DATE	BY
REVISION	11/15/23	TLT
REVISION	12/12/23	TLT

<b>SOLAR RESIDENCE</b>	8045 N US HWY 1 MELBOURNE, FL 32940
<b>HEALTH CARE</b>	THOMAS L. TIEDEMAN, JR., P.E. FL REGISTRATION NO. 62505
<b>SUNSHINE STATE ENGINEERING</b>	1000 W. WINDY AVENUE SUITE 100 MELBOURNE, FL 32901 FL REGISTRATION NO. 13412

DATE: 11/15/23	SCALE: 1" = 10'
JOB NO.: 23-023	DRAWN BY: TLT
CHECKED BY: TLT	
SHEET NO.	1 OF 2
LOT DRAINAGE	

**Thomas L Tiedeman Jr**  
 2025.12.30  
 17:12:03  
 -05'00"

PROFESSIONAL ENGINEER  
 No. 82808  
 STATE OF FLORIDA

DIGITALLY SIGNED BY THOMAS L. TIEDEMAN, JR.  
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