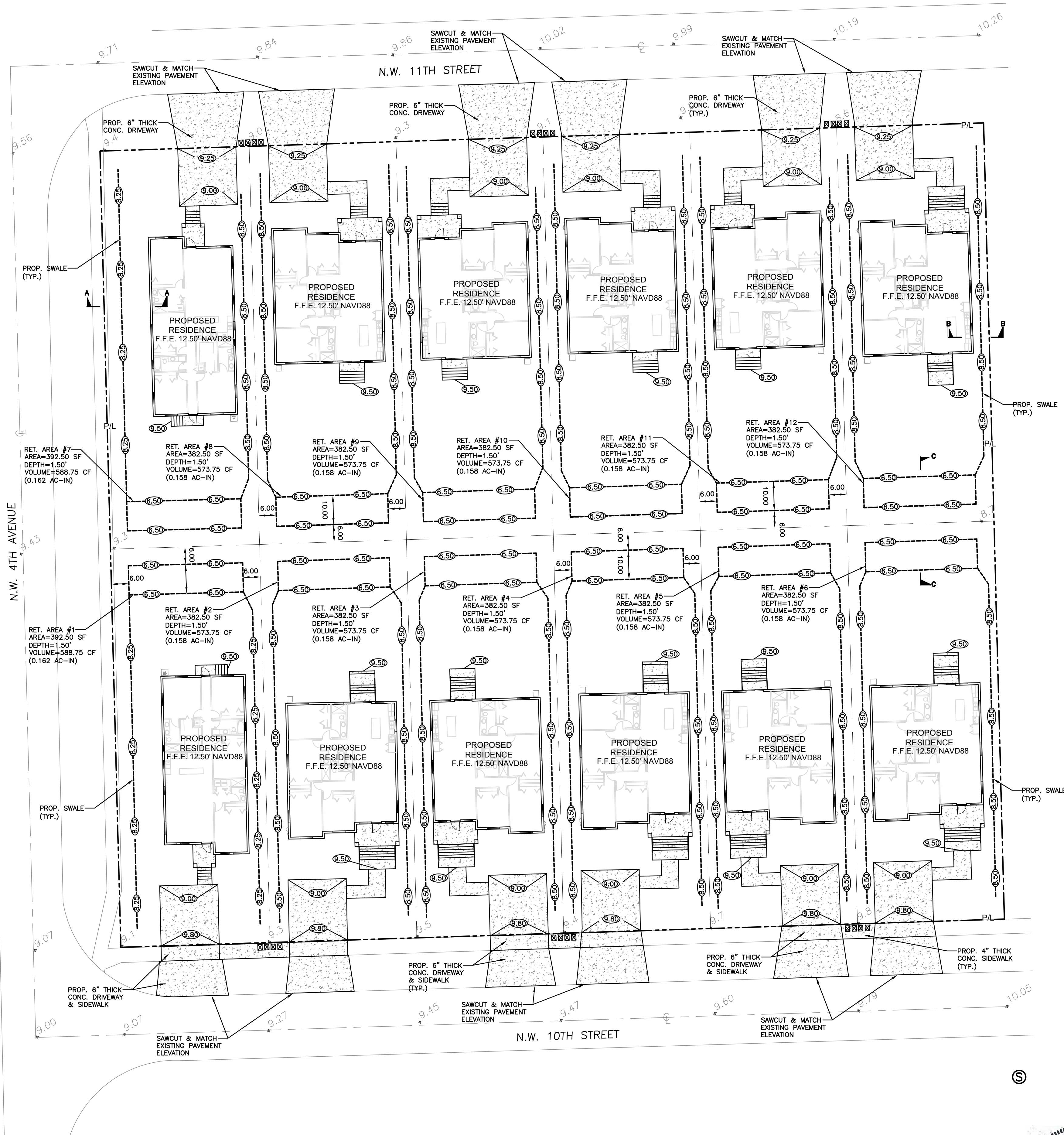


ALL ELEVATIONS ARE REFERENCED  
TO NAVD88 VERTICAL DATUM



**DRAINAGE CALCULATIONS:**

TOTAL SITE AREA = 82,811 SF  
BLDG AREA = 20,220 SF  
DRIVEWAY = 8,368 SF  
TOTAL IMPERV. AREA = 28,588 SF  
TOTAL PERVIOUS AREA = 54,223 SF

**WATER QUALITY STORAGE REQUIRED:**

$[(2.5 \text{ IN}) \times 28,588 \text{ SF}] / (12 \text{ IN/FT}) = 5,956 \text{ CF}$

OR

$[(1 \text{ IN}) \times 82,811 \text{ SF}] / (12 \text{ IN/FT}) = 6,901 \text{ CF}$

1 IN TIMES TOTAL AREA GOVERNS

REQUIRED STORAGE VOLUME: 6,901 CF

**SWALE STORAGE:**

RET. AREA #1: 588.75 CF  
RET. AREA #2: 573.75 CF  
RET. AREA #3: 573.75 CF  
RET. AREA #4: 573.75 CF  
RET. AREA #5: 573.75 CF  
RET. AREA #6: 573.75 CF  
RET. AREA #7: 588.75 CF  
RET. AREA #8: 573.75 CF  
RET. AREA #9: 573.75 CF  
RET. AREA #10: 573.75 CF  
RET. AREA #11: 573.75 CF  
RET. AREA #12: 573.75 CF

TOTAL SWALE STORAGE = 6,915 CF

**LEGEND**

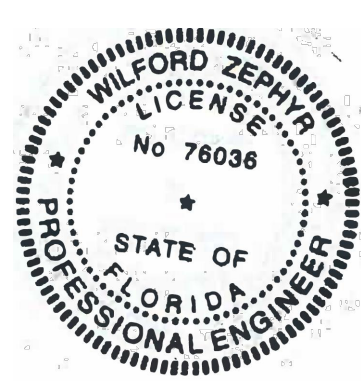
- |  |                           |  |                       |
|--|---------------------------|--|-----------------------|
|  | PROPOSED ASPHALT PAVEMENT |  | PROPOSED WATER METER  |
|  | PROPOSED CONC. PAVEMENT   |  | EXISTING WATER METER  |
|  | PROPOSED CONC. WALKWAY    |  | EXISTING WATER VALVE  |
|  | PROPOSED GRADE            |  | PROPOSED BFP DEVICE   |
|  | EXISTING ELEVATION        |  | EXIST. DRAINAGE MH    |
|  | PROPOSED CATCH BASIN      |  | PROPOSED FIRE HYDRANT |
|  | EXISTING CATCH BASIN      |  |                       |

**PAVING, GRADING & DRAINAGE PLAN**

SCALE: 1"=20'

**WILFORD ZEPHYR**

Digitally signed by  
WILFORD ZEPHYR  
Date: 2023.11.13  
17:08:35 -05'00'



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY WILFORD ZEPHYR ON THE DATE ADJACENT TO THE SEAL.  
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

**REVISIONS**

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
|     |      |             |
|     |      |             |
|     |      |             |
|     |      |             |

**ZEPHYR ENGINEERING**

**ZE**

**PROPOSED 12 HOUSES**  
NW 10th STREET  
POMPANO BEACH, FL 33060

P.E.#: 76036

DATE: 7/28/23

SCALE: 1"=20'

SHEET NO.: 23-3

3 OF 3

PROJECT NO.: 23-34

PZ23-1200051  
12/20/2023