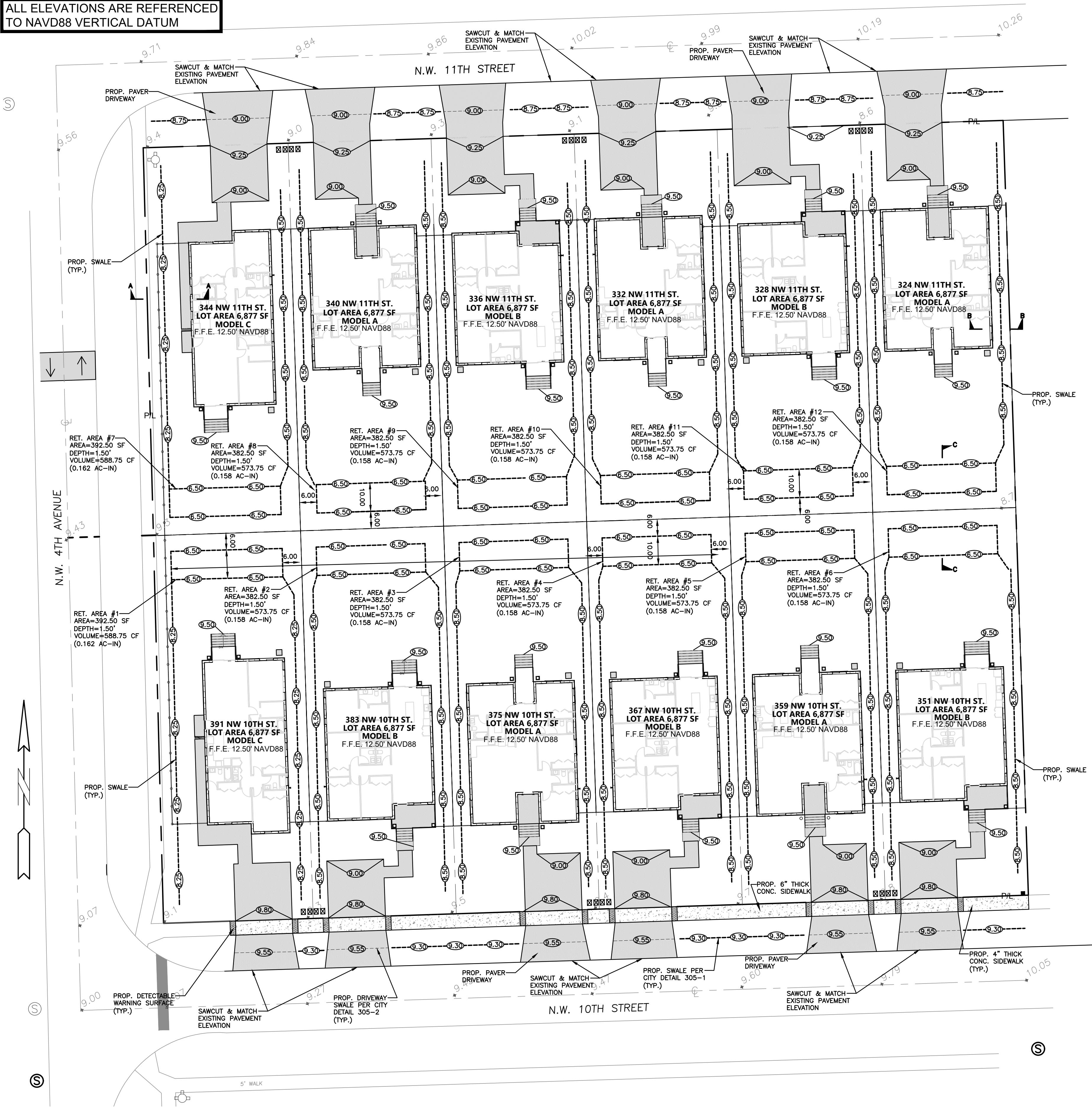


ALL ELEVATIONS ARE REFERENCED
TO NAVD88 VERTICAL DATUM



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

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

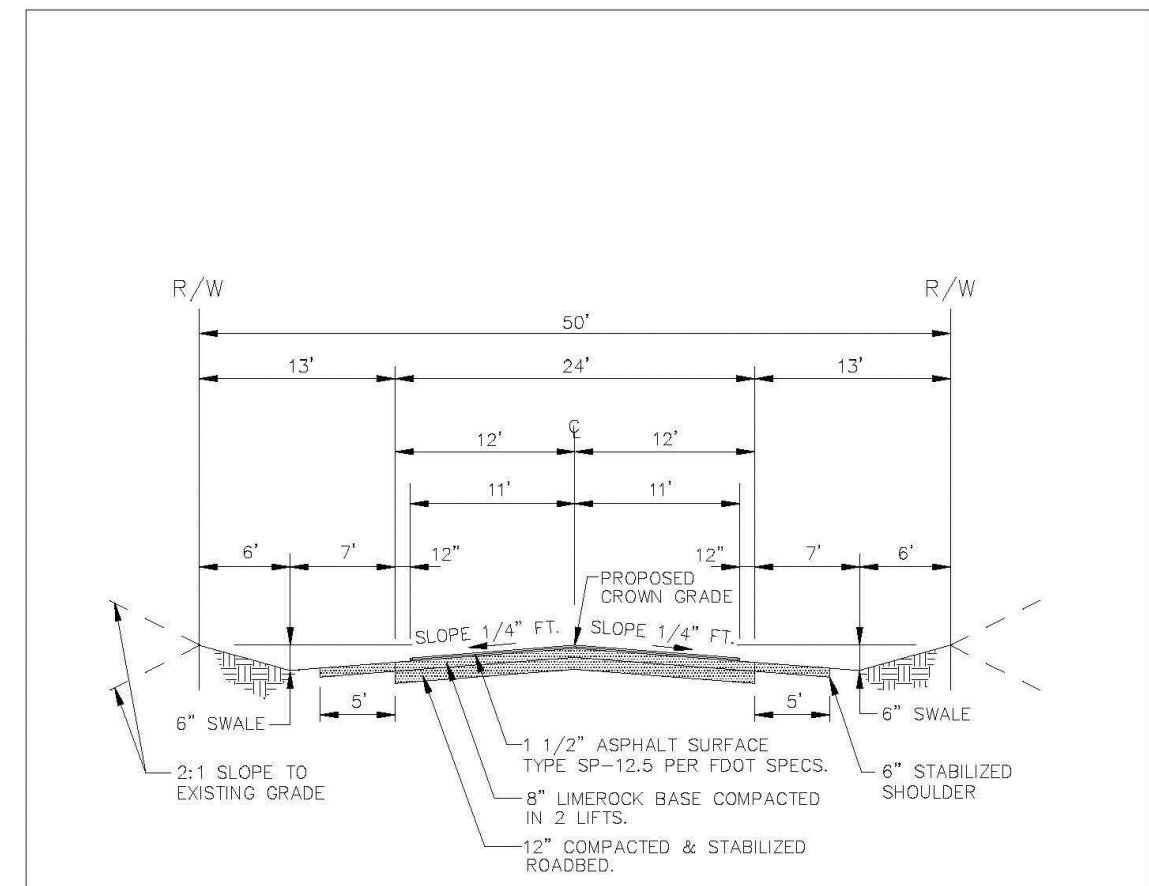
SWALE STORAGE:

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

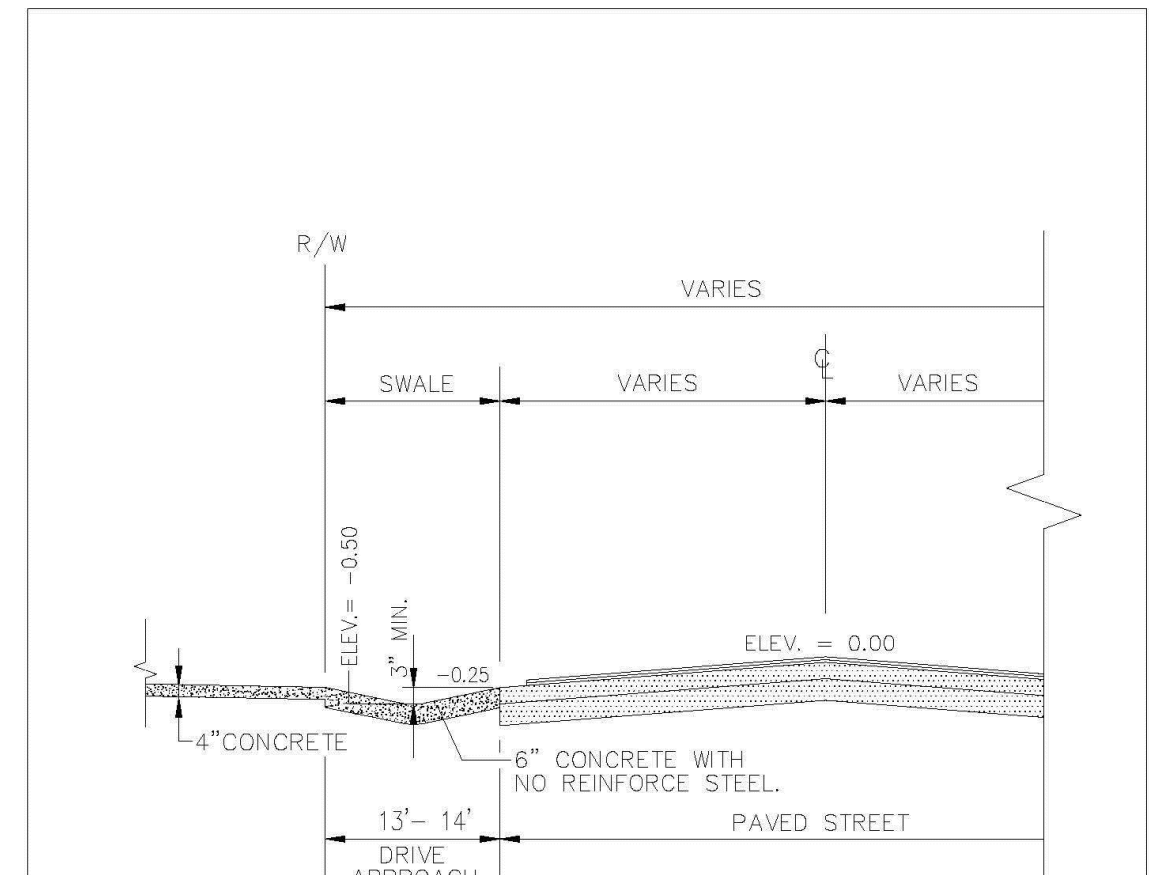
NOTES:

- CONTRACTOR MUST NOTIFY ZEPHYR ENGINEERING OF THE START OF CONSTRUCTION DATE PRIOR TO START OF CONSTRUCTION. ZEPHYR ENGINEERING WILL NOT CERTIFY ANY CONSTRUCTION THAT WAS NOT INSPECTED BY ZEPHYR ENGINEERING, OR ZEPHYR ENGINEERING'S AUTHORIZED REPRESENTATIVE.
- PRIOR TO CONSTRUCTION, CONTRACTOR RESPONSIBLE TO FIELD VERIFY ALL EXISTING ELEVATIONS.
- CONTRACTOR MUST COORDINATE PROPOSED IMPROVEMENTS SHOWN ON CIVIL PLANS WITH EXISTING SITE CONDITIONS & PROPOSED PLANS BY THE OTHER DESIGN PROFESSIONALS PRIOR TO CONSTRUCTION. CONTRACTOR MUST ALSO VERIFY THAT THERE ARE NO DISCREPANCIES BETWEEN THE WATER, SEWER & DRAINAGE PLANS THAT MAY CAUSE CONFLICTS PRIOR TO CONSTRUCTION. CONTRACT ZEPHYR ENGINEERING IF DISCREPANCIES EXIST.
- PRIOR TO CONSTRUCTION, CONTRACTOR RESPONSIBLE TO DOCUMENT EXISTING CONDITIONS ON AND AROUND THE PROJECT AREA, INCLUDING THE R.O.W. AND ADJACENT PROPERTIES. IT'S RECOMMENDED THAT CONTRACTOR TAKE PHOTOGRAPHS & VIDEOS TO CLEARLY DOCUMENT CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR RESPONSIBLE TO REPAIR ALL DAMAGES CAUSED BY OR AS A RESULT OF THE PROPOSED CONSTRUCTION.
- ALL ROOF DRAINS MUST BE CONNECTED TO THE ONSITE DRAINAGE SYSTEM.
- CONTRACTOR TO REFER TO ARCHITECTURAL PLANS FOR SITE PLAN LAYOUT AND DIMENSIONS.
- EXISTING UTILITIES SHOWN ARE BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR'S RESPONSIBLE TO FIELD VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR TO BE AWARE THAT THERE MAY BE SOME EXISTING UTILITIES ON OR ADJACENT TO THE PROJECT SITE THAT MAY NOT BE SHOWN ON THE CIVIL PLANS, AND CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY THOSE UTILITIES AS WELL. CONTRACTOR RESPONSIBLE FOR RELOCATION OF EXISTING UTILITIES THAT CONFLICTS WITH PROPOSED CONSTRUCTION.



TYPICAL ROADWAY SECTION

ENGINEERING STANDARDS 2022		TYPICAL ROADWAY SECTION	
REVISIONS	DATE	ENGINEERING DIVISION	CITY OF POMPAÑO BEACH
BY	DATE		
S.S.	JUNE 2020		
S.S.	JAN. 2018		
SCALE: N.T.S.		DATE: MAY 2022	DWG. NO. 305-1



TYP. DRIVEWAY SWALE SECTION

ENGINEERING STANDARDS 2022		TYPICAL DRIVEWAY SWALE	
REVISIONS	DATE	ENGINEERING DIVISION	CITY OF POMPAÑO BEACH
BY	DATE		
S.S.	6/21/07		
SCALE: N.T.S.		DATE: MAY 2022	DWG. NO. 305-2



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
1	1-18-24	DRC REVIEW COMMENTS

ZEPHYR ENGINEERING

ZE

PROPOSED 12 HOUSES

NW 10th STREET
POMPAÑO BEACH, FL 33060

P.E.#: 76036

DATE: 7/28/23

SCALE: 1"=20'

SHEET NO.:

CS-3

3 OF 8

PROJECT NO.: 23-34

PAVING, GRADING & DRAINAGE PLAN

SCALE: 1"=20'

12-12-24