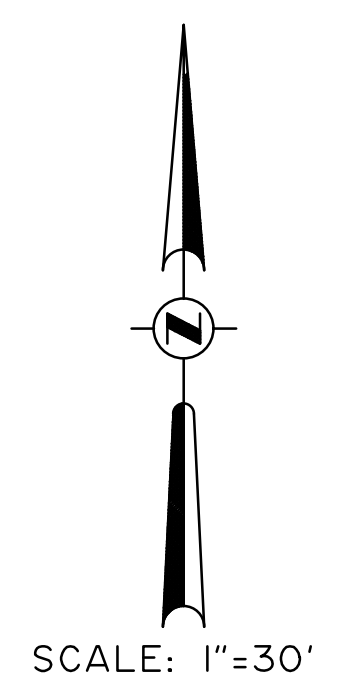


# WATER & SEWER SERVICE PLAN

**NOTE**  
CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION AND ELEVATION OF THE EXISTING SEWER LATERAL PRIOR TO COMMENCING CONSTRUCTION AND SHALL NOTIFY ENGINEER OF ANY ELEVATION AND / OR LOCATION ISSUES.

**Sunshine811**  
Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.  
*Check positive response codes before you dig!*

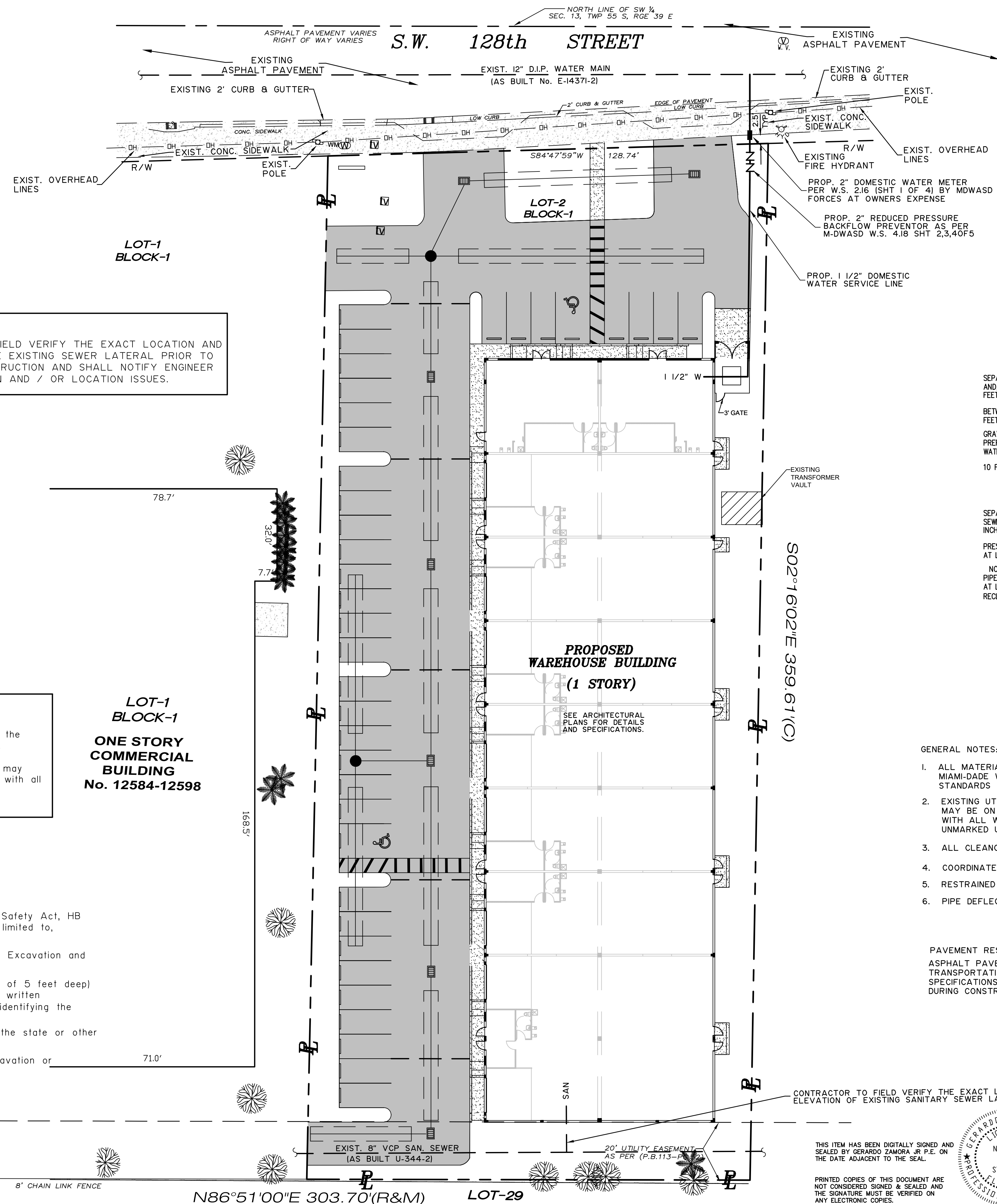


**NOTE**  
CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION AND ELEVATION OF THE EXISTING SEWER LATERAL PRIOR TO COMMENCING CONSTRUCTION AND SHALL NOTIFY ENGINEER OF ANY ELEVATION AND / OR LOCATION ISSUES.

- LEGEND**
- EXISTING PAVEMENT
  - PROPOSED PAVEMENT
  - 9.10 EXISTING ELEVATION
  - 10.9 PROPOSED ELEVATION
  - PROPOSED CONCRETE
  - PROPOSED ASPHALT PAVEMENT
  - RUN OFF DIRECTION
  - EXIST. TYPE "F" CURB & GUTTER
  - PROP. TYPE "F" CURB & GUTTER
  - ⊙ DRAINAGE STRUCTURE NUMBER
  - ⊙— DENOTES CENTER LINE

**NOTE**  
Underground utility information is taken from the best available sources, but should be verified by contractor in the field with the appropriate utility agency prior to commencement of any work.  
  
Existing utility lines other than those indicated in this drawing may be on site. The contractor is warned to proceed with caution with all work. He is to make all possible investigation as to possible unmarked utility lines.

- UNDERGROUND CONTRACTOR:**
- A. Underground Contractor shall comply with the Trench Safety Act, HB 3183, Florida Statutes, which incorporates, but is not limited to, the following:
    1. OSHA Standard 29 C.F.R. Part 1926, Subpart P, Excavation and Trenches.
    2. Contract bids for trench excavations (in excess of 5 feet deep) shall include reference to the safety standards, written assurance of compliance, and a separate item identifying the cost of compliance.
    3. Adhere to any special shoring requirements of the state or other political subdivision.
  - B. Engineer is not responsible for the safety of the excavation or design and construction of any shoring.



**HEALTH DEPARTMENT NOTES:**

**WATER MAIN HORIZONTAL SEPARATIONS**

SEPARATIONS SHALL BE MEASURED OUTSIDE EDGE TO OUTSIDE EDGE BETWEEN WATER MAINS AND STORM SEWERS, STORMWATER FORCE MAINS, OR RECLAIMED WATER LINES, SHALL 3 FEET MINIMUM.  
BETWEEN WATER MAINS AND VACUUM TYPE SEWER PREFERABLY 10 FT. AND AT LEAST 3 FEET MINIMUM.  
GRAVITY OR PRESSURE SANITARY SEWERS, WASTEWATER FORCE MAINS OR RECLAIMED WATER PREFERABLY 10 FT. AND AT LEAST 6 FT. MAY BE REDUCED TO 3 FT. WHERE BOTTOM OF WATER MAINS IS AT LEAST 6 INCHES ABOVE TOP OF SEWER.  
10 FT. TO ANY PART OF ON-SITE SEWER TREATMENT OR DISPOSAL SYSTEM.

**WATER MAIN VERTICAL SEPARATIONS**

SEPARATIONS BETWEEN WATER MAINS AND GRAVITY SEWER, VACUUM TYPE SEWER, OR STORM SEWERS TO BE PREFERABLY 12 INCHES, OR AT LEAST 6 INCHES ABOVE OR AT LEAST 12 INCHES IF BELOW.  
PRESSURE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR RECLAIMED WATER AT LEAST 12 INCHES ABOVE OR BELOW.  
NOTE: CENTER 1-FULL LENGTH OF WATER MAIN PIPE AT CROSSINGS; ALTERNATIVELY ARRANGE PIPES SO JOINT ARE AT LEAST 3 FEET FROM JOINTS IN VACUUM, STORM OR STORM FORCE MAINS. AT LEAST 6 FEET FROM JOINTS IN GRAVITY OR PRESSURE SEWERS, WASTEWATER FORCE MAINS OR RECLAIMED WATER.

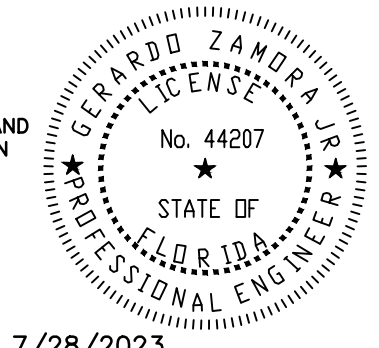
**NOTE TO CONTRACTOR**  
CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SOILS REPORT PREPARED SOILS COMPANY AND SHALL IMPLEMENT ALL RECOMMENDATIONS IDENTIFIED. CONTRACTOR TO NOTIFY ENGINEER IF THERE IS A DISCREPANCY BETWEEN THE PLANS AND THE REPORT.

- GENERAL NOTES:**
1. ALL MATERIALS AND LABOR UNDER THIS PROJECT SHALL COMPLY TO THE MIAMI-DADE WATER & SEWER DEPARTMENT AND FLORIDA BUILDING CODE STANDARDS AND SPECIFICATIONS.
  2. EXISTING UTILITY LINES OTHER THAN THOSE INDICATED IN THIS DRAWING MAY BE ON SITE. THE CONTRACTOR IS WARNED TO PROCEED WITH CAUTION WITH ALL WORK. HE IS TO MAKE ALL POSSIBLE INVESTIGATION AS TO POSSIBLE UNMARKED UTILITY LINES.
  3. ALL CLEANOUTS IN DRIVEWAY TO HAVE TRAFFIC BEARING CAP.
  4. COORDINATE WATER AND SEWER WORK WITH MECHANICAL AND PLUMBING PLANS.
  5. RESTRAINED JOINTS REQUIRED PER M-DWASD STANDARD DETAILS..
  6. PIPE DEFLECTIONS CANNOT EXCEED 2.5 DEGREES.

**PAVEMENT RESTORATION:**  
ASPHALT PAVEMENT RESTORATION SHALL BE AS PER FLORIDA DEPARTMENT OF TRANSPORTATION AND THE MIAMI-DADE COUNTY PUBLIC WORKS STANDARDS AND SPECIFICATIONS. CONTRACTOR TO COORDINATE WITH EACH RESPECTIVE INSPECTOR DURING CONSTRUCTION TO DETERMINE EACH AGENCIES REQUIREMENTS.

CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION AND ELEVATION OF EXISTING SANITARY SEWER LATERAL

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY GERARDO ZAMORA JR. P.E. ON THE DATE ADJACENT TO THE SEAL.



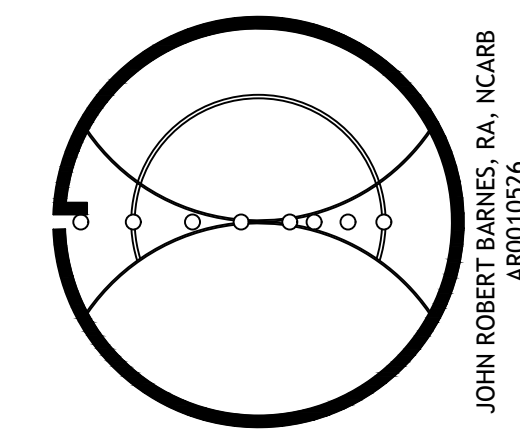
GERARDO ZAMORA JR. P.E.  
CIVIL ENGINEER  
P.E. No. 44207  
E.B. 0006791  
STATE OF FLORIDA

DATE: 7/10/2023  
PROJECT No. 2023-51

**ZAMORA & ASSOCIATES, INC.**  
ENGINEERING LAND PLANNING  
11410 N. KENDALL DRIVE SUITE 302 MIAMI, FLORIDA 33176  
(305) 273-7801 FAX (305) 273-9514

REVISIONS	MARK	DESCRIPTION	DATE

**FREERCROSSINGS**  
**COMMERCECENTER-PHASE 2**  
PROJECT NO. 12554-12582 S.W. 128 STREET MIAMI, FLORIDA 33186  
CONTACT: RICHARD FREER  
ARCHITECT: ROBERT BARNES & ASSOCIATES, INC.



**ROBERT BARNES & ASSOCIATES, INC.**  
ARCHITECTURE AND PLANNING  
221 NORTH KROME AVENUE  
HOMESTEAD, FLORIDA 33030  
(305) 247-6150  
ROBERTBARNESANDASSOCIATES.COM

DATE	PROJECT NUMBER	DATE	DATE	DATE

**WS-1**