

A CIVIL ENGINEERING FIRM
EXPEDITING DEVELOPMENT

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Miami, Florida 33131

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FLORIDA CERTIFICATE OF AUTHORIZATION # 27431

PROJECT NUMBER: 23106

DRAWN BY: AH DESIGN BY: AH CHECK BY: LAB

ORIGINAL DRAWING DATE: 01/04/2023

REVISIONS:

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PROJECT NAME:

**TOWNHOMES
CANAL
DRIVE
POMPAÑO**

LOCATION:

3233 - 3237 CANAL DRIVE
POMPAÑO BEACH, FL 33062

FOR:

Mr. SERGE MICHAUD

3018 NE 20TH COURT
FT. LAUDERDALE, FL 33305

PLAN STATUS:

**SUBMITTAL SET:
FOR AGENCY REVIEW
AND APPROVAL**

THIS ITEM HAS BEEN DIGITALLY SIGNED AND
SEALED BY: LUIS A. BETALLELUZ, P.E.
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
ELECTRONIC COPIES

DATE:

MAY 29, 2024

LUIS A. BETALLELUZ, JR., P.E. FL P.E.# 65892
(NOT VALID WITHOUT SIGNATURE AND PROPER SEAL)

SHEET NAME:

UTILITY PLAN

SHEET NUMBER:

C 2.0

GENERAL NOTES:

- THIS PLAN IS NOT A SURVEY AND SHALL NOT BE USED FOR PLATTING, REPLATTING, OR ESTABLISHMENT OF LEGAL BOUNDARIES.
- SITE PLAN PROVIDED BY IDEA ARCHITECTURE AND ENGINEERING, INC.
- BOUNDARY AND TOPOGRAPHIC INFORMATION BASED UPON SURVEY PROVIDED BY ACCURATE LAND SURVEYORS, INC.
- LOCATIONS OF ABOVE-GROUND STRUCTURES AND UNDERGROUND UTILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD PRIOR TO COMMENCEMENT OF WORK.
- THIS PLAN IS A GRAPHICAL REPRESENTATION AND IS SUBJECT TO DISTORTION UPON PRINTING, COPYING, AND REPRODUCTION. THEREFORE, DISTANCES SHOULD NOT BE SCALED OFF THIS PLAN. WHEN PROVIDED, DIMENSIONS AND LABELS OFFER A MORE ACCURATE REPRESENTATION OF SIZE AND DISTANCE.
- FOR EXACT LOCATIONS, DIMENSIONS, ELEVATIONS, AND ESTABLISHMENT OF LEGAL PROPERTY BOUNDARIES, A SURVEYOR REGISTERED IN THE STATE OF FLORIDA MUST BE CONSULTED.
- ADDITIONAL ITEMS MAY EXIST WHICH ARE NOT SHOWN ON THIS PLAN. PRIOR TO ANY DISTURBANCE ACTIVITY, THE CONTRACTOR SHALL NOTIFY SUNSHINE STATE ONE CALL AT (800) 432-4770 TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES.
- THE ENGINEER OF RECORD SHALL BE NOTIFIED, IMMEDIATELY, IF ADDITIONAL ITEMS ARE LOCATED WHICH DO NOT APPEAR ON THIS PLAN. ALSO, THE ENGINEER OF RECORD SHALL BE NOTIFIED, IMMEDIATELY, IF ITEMS SHOWN ON THIS PLAN ARE FOUND TO BE OF A DIFFERENT SIZE OR IN A DIFFERENT LOCATION IN THE FIELD.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS TO ITEMS DAMAGED DURING CONSTRUCTION. THIS INCLUDES, BUT MAY NOT BE LIMITED TO: UTILITIES, STRUCTURES, LANDSCAPING, FENCES, PAVEMENT, AND CONCRETE.

PRECONSTRUCTION MEETING:

- A PRECONSTRUCTION MEETING MUST BE COMPLETED WITH ENGINEERING PRIOR TO THE START OF CONSTRUCTION

PROPOSED WASTEWATER UTILITY DEMAND RATES:

PROPOSED USE: RESIDENTIAL-CONDOMINIUM/APARTMENT
PROPOSED RESIDENTIAL UNITS - 4 TOWNHOMES

PER BROWARD COUNTY GUIDELINES FOR DETERMINING ABILITY TO PROVIDE POTABLE WATER AND WASTE WATER SERVICE -LATEST LEVEL OF SERVICE STANDARDS (2012):
CONDOMINIUM/APARTMENT = 100 GPD/UNIT

WASTEWATER DEMAND = 100 GPD/UNIT X 4 UNITS = 400 GPD

TOTAL DEMAND: 400 GPD

PROPOSED WATER UTILITY DEMAND RATES:

PROPOSED USE: RESIDENTIAL-CONDOMINIUM/APARTMENT
PROPOSED RESIDENTIAL UNITS - 4 TOWNHOMES

PER BROWARD COUNTY GUIDELINES FOR DETERMINING ABILITY TO PROVIDE POTABLE WATER AND WASTE WATER SERVICE -LATEST LEVEL OF SERVICE STANDARDS (2012): CONDOMINIUM/APARTMENT = 141 GPD/UNIT

WATER DEMAND = 141 GPD/UNIT X 4 UNITS = 564 GPD

TOTAL DEMAND: 564 GPD

FRU CONVERSION: [1FRU/UNIT X 4 UNITS] = 4.00 FRU

CITY OF POMPAÑO BEACH ENGINEERING NOTES:

- ANY EXISTING WATER AND/OR SEWER CONNECTION TO THE SUBJECT LOTS NOT UTILIZED MUST BE CUT AND CAPPED AT THE WATER MAIN.
 - IF A WATER SERVICE AND CUT OUT AND SLEEVED
 - IF A SEWER LATERAL, SEWER LATERALS THAT ARE CUT AND CAPPED WILL NEED TO BE AS-BUILT PER OUR ENGINEERING AS-BUILT STANDARDS.
 - IF THE EXISTING MAIN IS CLAY PIPE AND HAS A CIPP LINER CURRENTLY INSTALLED. (INSTALL A SECTIONAL LINER IN THE MAIN OVER THE OLD LATERAL THUS ELIMINATING THE LATERAL).
 - IF THE EXISTING MAIN IS CLAY PIPE. (DIG DOWN CUT OLD CLAY PIPE, SLEEVE BACK IN WITH PVC AND CITY APPROVED COUPLINGS).
 - IF THE EXISTING MAIN IS CLAY PIPE AND YOU ARE REQUIRED TO RETIRE MULTIPLE LATERALS FOR A PROJECT. (IT MAY BE CHEAPER FOR THE CONTRACTOR TO INSTALL A CITY APPROVED CIPP LINER FROM MANHOLE TO MANHOLE AND NOT CUT OUT THE LATERALS THAT THEY ARE RETIRING).
 - IF THE EXISTING MAIN IS PVC PIPE. (REMOVE THE LATERAL PIPE FROM THE PVC.

WYE FITTING AND INSTALL A PLUG INTO THE WYE. INSTALL A GREEN LOCATING MARKING BALL AT THE LATERAL LOCATING, NO DEEPER THAN 4 FT. BELOW GRADE).

