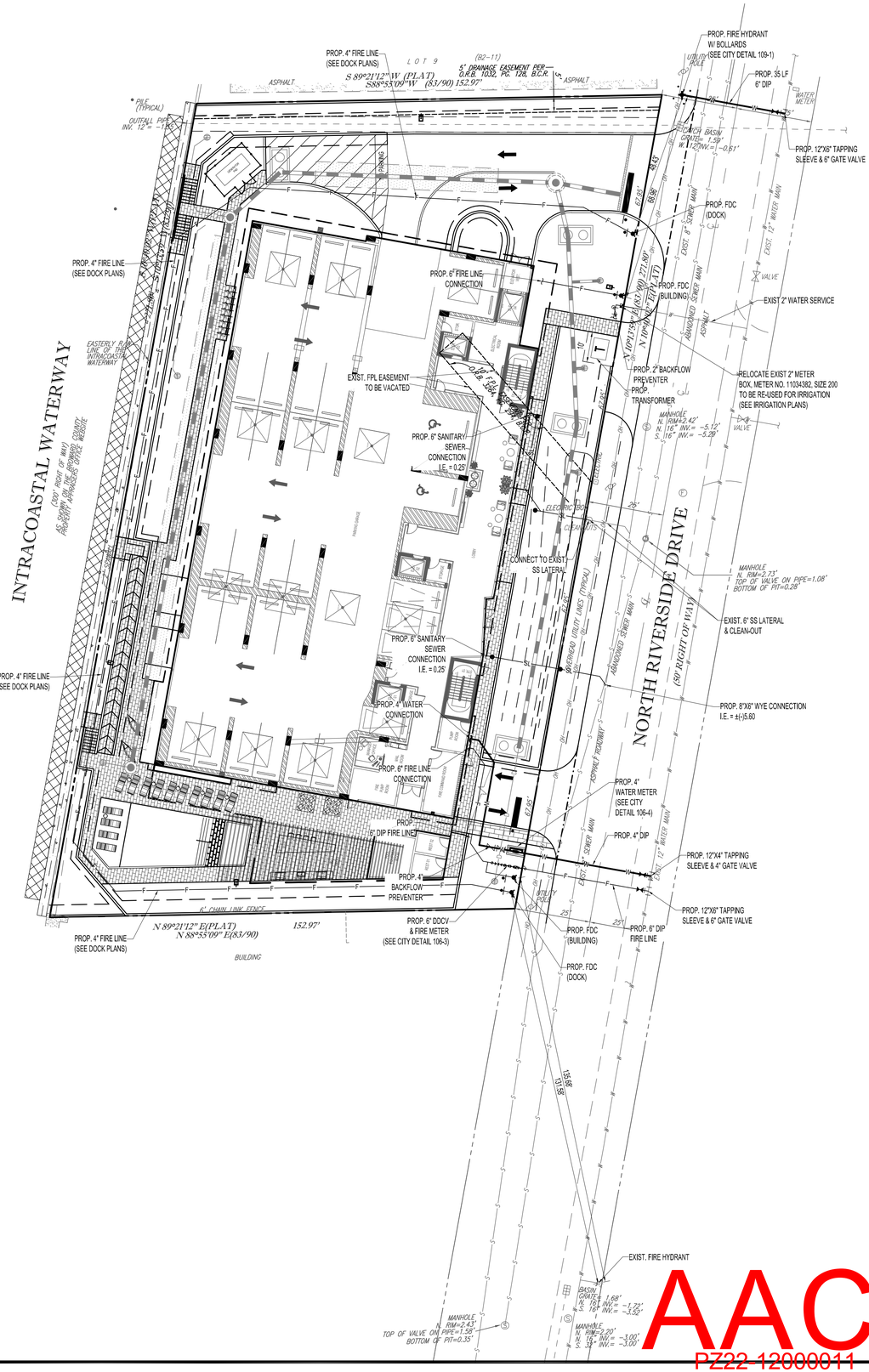

20 10 5 0 20

1"= 20'

LEGEND

EXISTING		PROPOSED
S	SANITARY SEWER MAIN	SL
W	UNDERGROUND WATER LINE	W
E	UNDERGROUND ELECTRIC LINE	E
OH	OVERHEAD WIRE	
T	UNDERGROUND TELEPHONE LINE	
G	UNDERGROUND GAS MAIN	
C	UNDERGROUND CABLE LINE	
	UNDERGROUND ROOF DRAIN LINE	D
	STORM SEWER	
	STORM SEWER EXFILTRATION TRENCH	
	HYDRANT	
	BACKFLOW PREVENTOR	
	SANITARY MANHOLE	
	GREASE TRAP	
	CLEANOUT	
	STORM MANHOLE	
	CATCH BASIN	
XX.XX	GRADE SPOT SHOT	4.90

GENERAL NOTES:

1. PRIOR TO COMMENCING WORK WHICH REQUIRES CONNECTING PROPOSED FACILITIES TO EXISTING LINES OR APPURTENANCES, THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION(S) OF EXISTING CONNECTION POINT(S) AND NOTIFY THE OWNER'S ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
2. ALL PIPING AND ASSOCIATED APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST APPLICABLE STATE AND LOCAL REGULATIONS.
3. MINIMUM HORIZONTAL AND VERTICAL SEPARATION SHALL CONFORM TO THE LATEST FDEP RULES AND CITY OF POMPANO BEACH WATER AND SEWER DESIGN STANDARDS MANUAL.
4. WATER AND SEWER PIPES SHALL BE CONSTRUCTED WITH A MINIMUM 30" OF COVER IN UNPAVED AREAS AND MINIMUM OF 36" COVER IN PAVED AREAS UNLESS OTHERWISE APPROVED.
5. ALL UTILITY TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 98% MAXIMUM DENSITY PER AASHTO T180 UNLESS OTHERWISE APPROVED.
6. THE CONSTRUCTION OF ALL UTILITIES CONNECTING TO THE CITY OF POMPANO BEACH UTILITY SYSTEM SHALL BE IN CONFORMANCE WITH THE CITY OF POMPANO BEACH WATER AND SEWER DESIGN STANDARDS MANUAL.
7. THE CONTRACTOR SHALL NOTIFY THE CITY OF POMPANO BEACH PUBLIC UTILITIES CONSTRUCTION DEPARTMENT 48 HOURS PRIOR TO ANY UTILITIES CONSTRUCTION
8. ALL EXISTING UTILITIES HAVE BEEN FIELD VERIFIED AT ALL POINTS OF CONNECTION TO, AND AT ALL AREAS OF CONFLICT WITH THE CITY OF POMPANO BEACH.
9. ALL UTILITIES LOCATED OUTSIDE PUBLIC RIGHT-OF-WAYS AND PUBLIC EASEMENTS SHALL BE PRIVATELY OWNED AND MAINTAINED.
10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF POMPANO BEACH UTILITY DEPARTMENTS STANDARDS, AND WITH ALL APPLICABLE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION RULES AND REGULATIONS.

WATER MAIN NOTES:

1. ALL WATER MAIN MATERIAL, INSTALLATION AND TESTING SHALL BE IN CONFORMANCE WITH CITY OF POMPANO BEACH STANDARDS, AWWA STANDARDS AND THE MANUFACTURER'S STANDARDS.
2. WATER METER TO BE PROVIDED BY CITY OF FORT LAUDERDALE.
3. ANY POLYETHYLENE JOINTS SHALL BE BUTT-FUSED, DONE WITH POLYETHYLENE FITTINGS OR BRASS COMPRESSION FITTINGS
4. ANY REQUIRED PRESSURE AND LEAKAGE TESTS ARE TO BE PERFORMED IN ACCORDANCE WITH AWWA C600 AND C605 OR OTHER APPLICABLE STANDARDS.
5. PROPER WATER MAIN DISINFECTION IS IN ACCORDANCE WITH AWWA C651 AND CITY OF FORT LAUDERDALE STANDARDS.
6. WATER MAINS SHALL BE INSTALLED, TESTED, INSPECTED AND FULLY OPERATIONAL BEFORE ANY CERTIFICATE OF OCCUPANCY SHALL BE ISSUED.

SANITARY SEWER NOTES:

1. ALL SANITARY SEWER MATERIAL AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE CITY OF POMPANO BEACH WATER AND SEWER STANDARDS, AS WELL AS THE MANUFACTURER'S STANDARDS.
2. ALL SANITARY GRAVITY SEWER PIPE SHALL BE POLYVINYL CHLORIDE (PVC) SDR-35 IN ACCORDANCE WITH ASTM D3034.
3. ALL PIPE CONSTRUCTION AND TESTING SHALL CONFORM TO THE APPROPRIATE AWWA STANDARDS.
4. ANY NECESSARY DEFLECTION, PRESSURE, AND LEAKAGE TESTS ARE TO BE PREFORMED IN ACCORDANCE WITH AWWA C600, AWWA C605 OR OTHER APPLICABLE STANDARDS.

CITY NOTES:

1. 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.

HOW TO RETIRE OLD LATERALS:

- 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.

THOMAS ENGINEERING GROUP
CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS
1502 W. FLETCHER AVE. UNIT NO.: 101 TAMPA, FL 33612
125 W. INDIANTOWN RD. SUITE 206 JUPITER, FL 33458
P: (813) 379-4100
P: 561-203-7503

THE INFORMATION, DESIGN, AND CONTENT OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE COPIED, IN WHOLE OR IN PART, OR USED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THOMAS ENGINEERING GROUP, LLC. ONLY APPROVED, DATED AND SEALED PLANS SHALL BE UTILIZED FOR CONSTRUCTION PURPOSES. ©2019 THOMAS ENGINEERING GROUP, LLC

REVISIONS:

REV:	DATE:	COMMENT:	BY:

Sunshine 811

Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.

Check positive response codes before you dig!

PROJECT No.: F220017
DRAWN BY: JFV
CHECKED BY: KND
DATE: 03/09/2022
CAD I.D.: F220017 WATER & SEWER PLAN

PROJECT:

ENTOURAGE IN THE SUN

407 N. RIVERSIDE DR.

FOR

IDEA ARCHITECT

POMPANO BEACH
FLORIDA

THOMAS ENGINEERING GROUP
6300 NW 31ST AVENUE
FORT LAUDERDALE, FL 33309
PH: (954) 202-7000
FX: (954) 202-7070
www.ThomasEngineeringGroup.com

PROFESSIONAL ENGINEER LICENSE No. 84381 STATE OF FLORIDA
Kristin DiPierro
Digitally signed by Kristin DiPierro
DN: c=US, o=Florida, dn=Qualifier=A01410D000001840E0C0A00000184E, cn=Kristin DiPierro
Date: 2023.02.01 16:54:05 -05'00'

February 1, 2023
FLORIDA BUSINESS CERT. OF AUTH. No. 27528

SHEET TITLE:

WATER & SEWER PLAN

SHEET NUMBER:

C-07

AAC
PZ22-12000011
03/07/2023

AAC
PZ22-12000011
07/02/2024

Printed on Wednesday, February 01, 2023, 4:54 PM by Kristin DiPierro - J:\PROJECTS\2022\22-JV\F220017 WATER & SEWER PLAN.dwg