

WATER AND SEWER DEMAND CALCULATIONS*:

PARCEL #1:

WATER

RETAIL/GENERAL COMMERCIAL - 13,430 SQ.FT. @ $\frac{1000}{1000}$
SQ.FT. = 497 GPD
APARTMENTS - 131 UNITS @ 141/UNIT = 18,471 GPD

TOTAL DEVELOPMENT DEMAND: 18,968 GPD

SEWER

RETAIL/GENERAL COMMERCIAL - 13,430 SQ.FT. @ $\frac{30}{1000}$
SQ.FT. = 403 GPD
APARTMENTS - 131 UNITS @ 100/UNIT = 13,100 GPD

TOTAL DEVELOPMENT DEMAND: 13,503 GPD

*ESTIMATED DEMAND CALCULATED PER BROWARD COUNTY GUIDELINES FOR DETERMINING ABILITY TO PROVIDE POTABLE WATER AND WASTEWATER SERVICE

PARCEL #2:

WATER

RETAIL/GENERAL COMMERCIAL - 3,320 SQ.FT. @ $\frac{1000}{1000}$
SQ.FT. = 123 GPD
APARTMENTS - 70 UNITS @ 141/UNIT = 9,870 GPD

TOTAL DEVELOPMENT DEMAND: 9,993 GPD

SEWER

RETAIL/GENERAL COMMERCIAL - 3,320 SQ.FT. @ $\frac{30}{1000}$
SQ.FT. = 100 GPD
APARTMENTS - 70 UNITS @ 100/UNIT = 7,000 GPD

TOTAL DEVELOPMENT DEMAND: 7,100 GPD

PARCEL #3:

WATER

APARTMENTS - 56 UNITS @ 141/UNIT = 7,896 GPD
TOTAL DEVELOPMENT DEMAND: 7,896 GPD

SEWER

APARTMENTS - 56 UNITS @ 100/UNIT = 5,600 GPD

TOTAL DEVELOPMENT DEMAND: 5,600 GPD

NOTES:

1. THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS IS APPROXIMATE AND BASED ON AVAILABLE AS-BUILT AND GIS MAP DATA AND HAS NOT BEEN VERIFIED. OTHER UTILITIES WHICH ARE NOT SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE PROXIMITY OF THE SCOPE OF WORK, SUFFICIENTLY AHEAD OF CONSTRUCTION TO ALLOW FOR RE-DESIGN BY THE ENGINEER IF SUCH UTILITIES ARE FOUND TO BE DIFFERENT THAN SHOWN ON THESE PLANS. ALL EXISTING UTILITIES SHALL REMAIN AND BE PROTECTED UNLESS OTHERWISE NOTED ON THE PLANS.
2. ANY EXISTING UNUTILIZED WATER OR SEWER CONNECTIONS TO PARCELS #1, #2 AND #3 SHALL BE CUT AND CAPPED AT THE WATER MAIN OR SLEEVE IF SEWER LATERAL SEWER LATERALS THAT ARE CUT AND CAPPED WILL NEED TO BE AS-BUILT PER THE CITY OF POMPAHO BEACH ENGINEERING AS-BUILT STANDARDS. SEE NOTES ON SHEET CE9 FOR PROCEDURE ON HOW TO RETIRE OLD LATERALS.
3. ALL NEW DEDICATED FIRE LINE CONNECTIONS TO PRIVATE PROPERTY SHALL BE PROVIDED WITH AN APPROVED TYPE FIRE LINE METER.
4. PROPOSED OFF-SITE DRAINAGE SYSTEM IN PUBLIC RIGHT-OF-WAY SHALL BE OWNED AND MAINTAINED BY THE CITY OF POMPAHO BEACH.
5. AS PER CITY CODE, LANDSCAPING MATERIALS OTHER THAN SOD ARE NOT ALLOWED WITHIN 5' OF ANY PORTION OF CITY OWNED UTILITIES WITHIN THE PUBLIC STREET RIGHT-OF-WAY INCLUDING METERS, HYDRANTS, SERVICE LINES, ETC.
6. NO TREES, SHRUBBERY OR OBSTRUCTION SHALL BE PLACED WITHIN A 3' RADIUS OF A CITY OWNED SEWER LATERAL CLEANOUT OR WATER OR REUSE WATER METER.
7. ASSUMED SIZE OF ALL EXISTING SANITARY SEWER LATERALS IS 4". THE CONTRACTOR SHALL VERIFY THE EXISTING LATERAL SIZES AND LOCATIONS PRIOR TO THE START OF CONSTRUCTION.
8. DURING DEWATERING OPERATIONS THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A CONSTANT NEUTRAL WATER TABLE ELEVATION IN THE AREAS ADJACENT TO THE DEWATERING ACTIVITIES AND AROUND ANY NEARBY EXISTING STRUCTURES AND UTILITIES. A GROUNDWATER MONITORING AND RECHARGE PLAN MAY NEED TO BE DEVELOPED BY THE CONTRACTOR TO MITIGATE ANY ADVERSE EFFECTS CAUSED BY DEWATERING ACTIVITIES TO ANY STRUCTURES OR UTILITIES AROUND AND BEYOND THE LIMITS OF CONSTRUCTION.

DRC
PZ24-12000011
07/17/2024

REVISIONS	DESCRIPTION
DATE	BY

SDA ENGINEERING
ENGINEERING AUTH. NO. 5634 SURVEYING & PLANNING
3410 N. Andrews Avenue Ext. • Pompano Beach, FL 33064
PH: 954-943-9433 • FAX: 954-783-4754

DRAWN BY: MJG
CHECKED BY: JFD
DESIGNED BY: MJG
APPROVED BY: S.D.A.
SCALE: 1"=20'

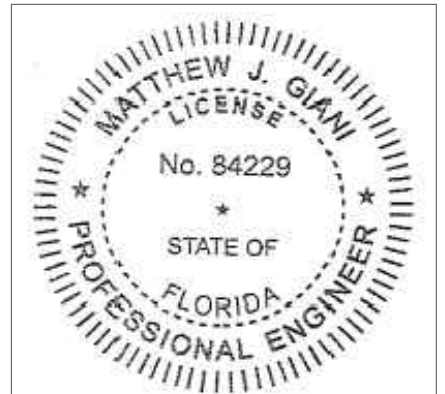
ATLANTIC ONE
MIXED-USE DEVELOPMENT
POMPAHO BEACH, BROWARD COUNTY, FLORIDA
WATER AND SEWER PLAN
SOUTHEAST

SEAL

FOR THE FIRM, BY:
Digitally signed by
Matt hew J Giani
Date: 2024.06.10
FLA. P.E. No. 84229

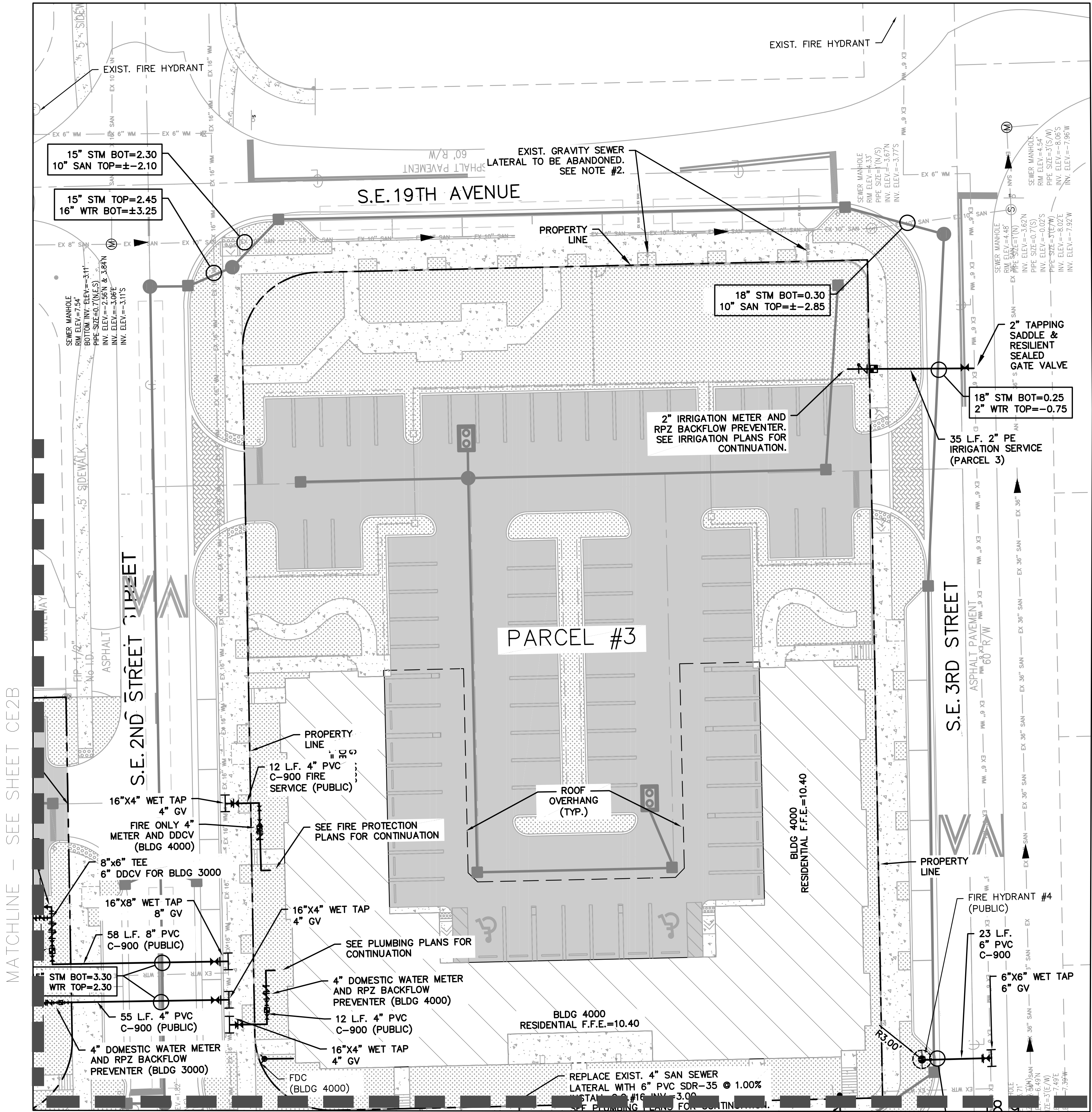
DATE: APRIL 2024
JOB NO. 1136B.01
SHEET CE1D

WATER AND SEWER LEGEND	
	SANITARY SEWER STRUCTURE NUMBER
	SANITARY SEWER RIM ELEVATION
	SANITARY SEWER INVERT ELEVATION
	SANITARY SEWER MAINTENANCE ACCESS STRUCTURE/ FLOW DIRECTION
	SANITARY (SINGLE) SERVICE W/CLEANOUT
	FIRE HYDRANT ASSEMBLY
	SINGLE WATER METER BOX
	WATER SAMPLE POINT
	TEES AND BENDS
	FIRE DEPT. CONNECTION
	PROPOSED BACKFLOW PREV.
	PROPOSED DOUBLE DETECTOR CHECK VALVE
	PROPERTY LINE
	FENCING
	ASPHALT PAVED AREA
	CONCRETE PAVERS
	BUILDING FOOTPRINT
	CONCRETE PAVEMENT
	LANDSCAPED AREA



This item has been digitally signed and sealed by Matthew J. Giani on the date on the digital seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



MATCHLINE - SEE SHEET CE2B

MATCHLINE - SEE SHEET CE2C