

DRC

P222-2000032
10/15/2024



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JOSE A. COMPRES ON AUGUST 29TH, 2024. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Jose Compres
JOSE A. COMPRES, P.E.
FLORIDA P.E. LIC. # 65557

CONEMCO ENGINEERING, INC.

PROJECT NAME / ADDRESS:
324 HAUS NEW BUILDING - CIVIL PLANS
324 NW 6TH ST. POMPANO BEACH, FL 33060

CLIENT/OWNER:
MR. RICARDO LARA

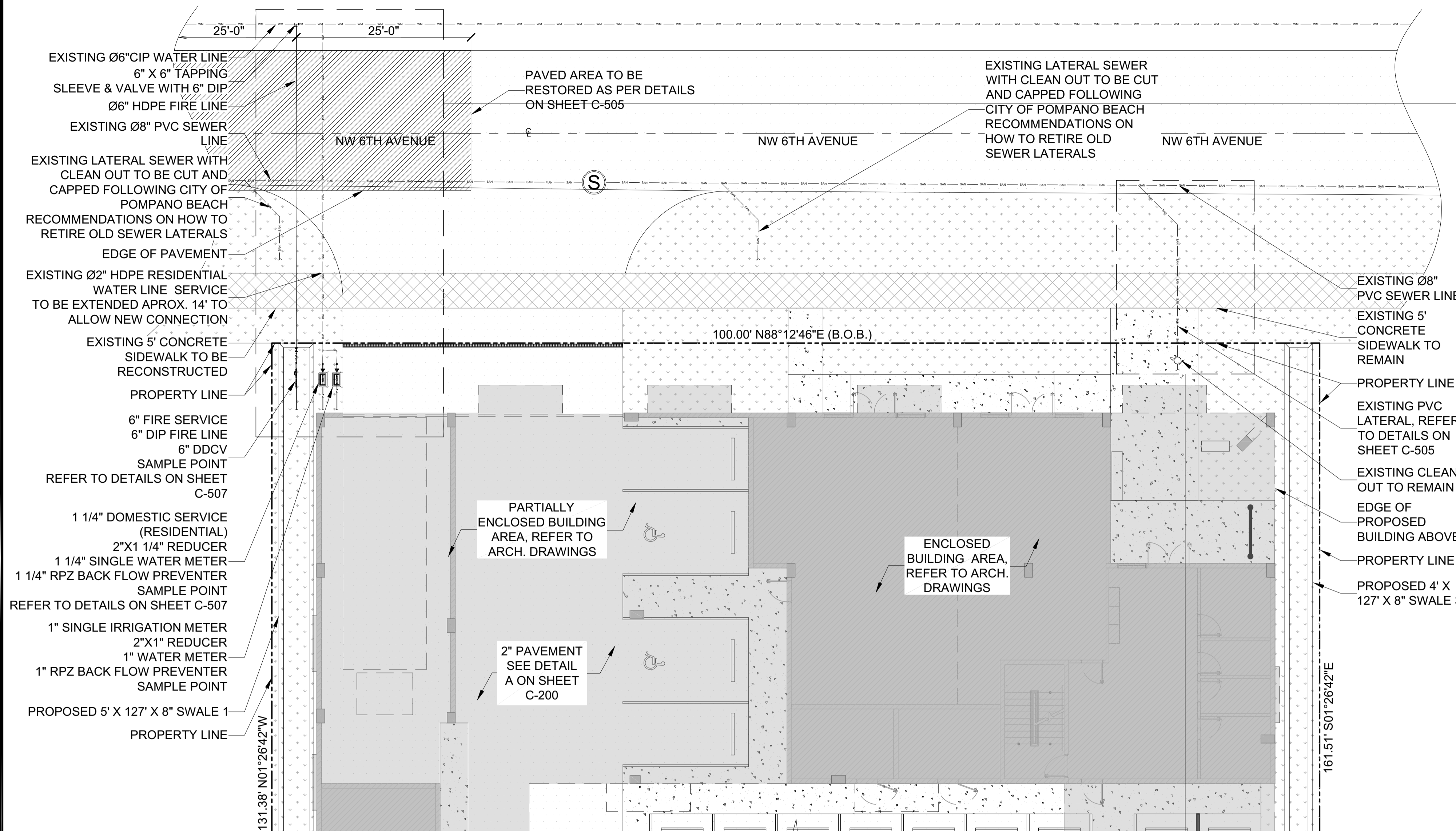
REVISIONS	DATE
1 CITY COMM.	07-29-2024

DATE:	8/29/2024
SCALE:	AS SHOWN
DRAWN:	FP
CHECKED:	PS
APPVD:	JC
PROJECT ID:	FPV-C231001
CONTRACT NO:	-

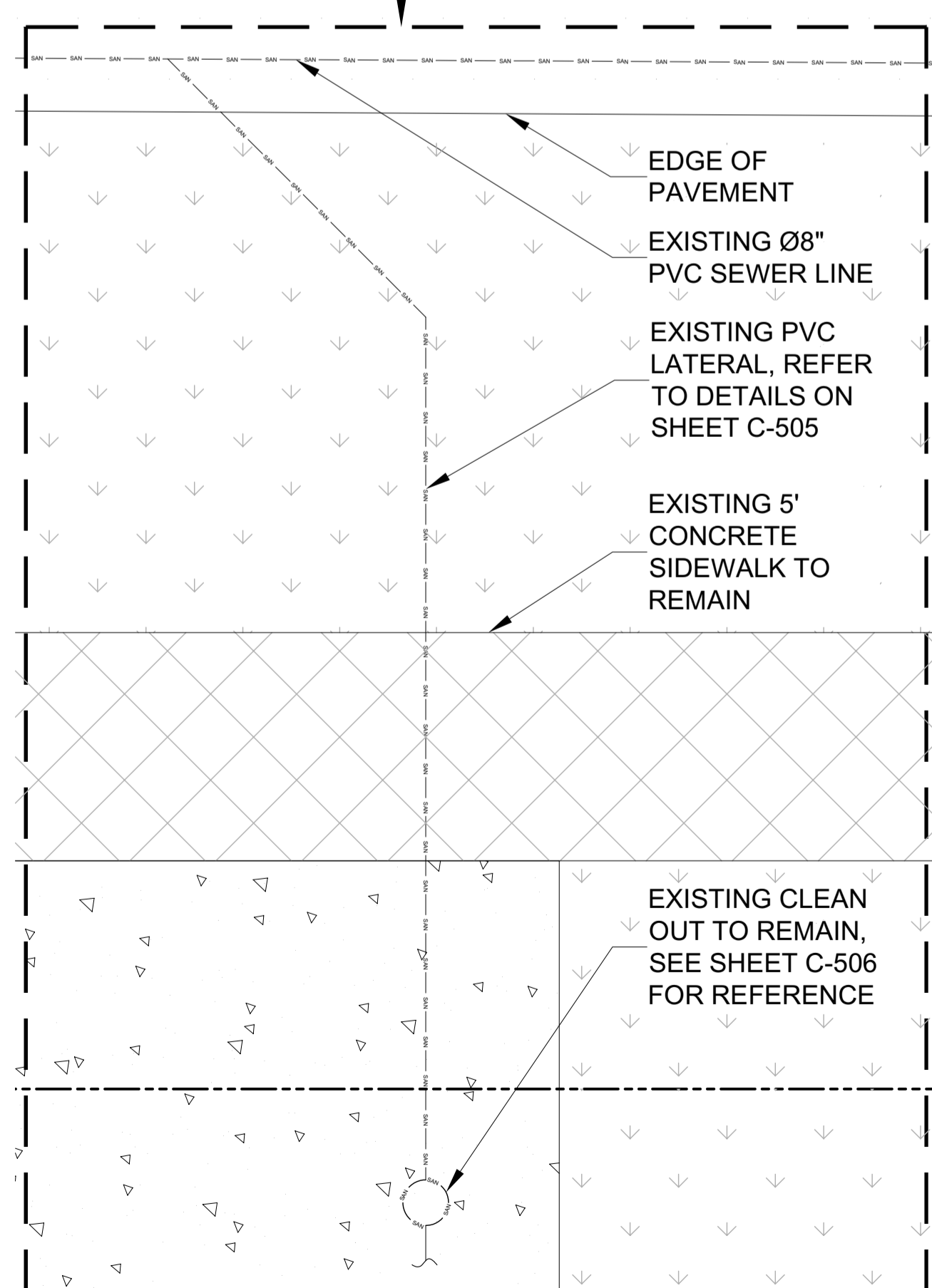
SHEET NAME:
WATER MAIN
AND SEWER PLAN

DRAWING NO.
C-204

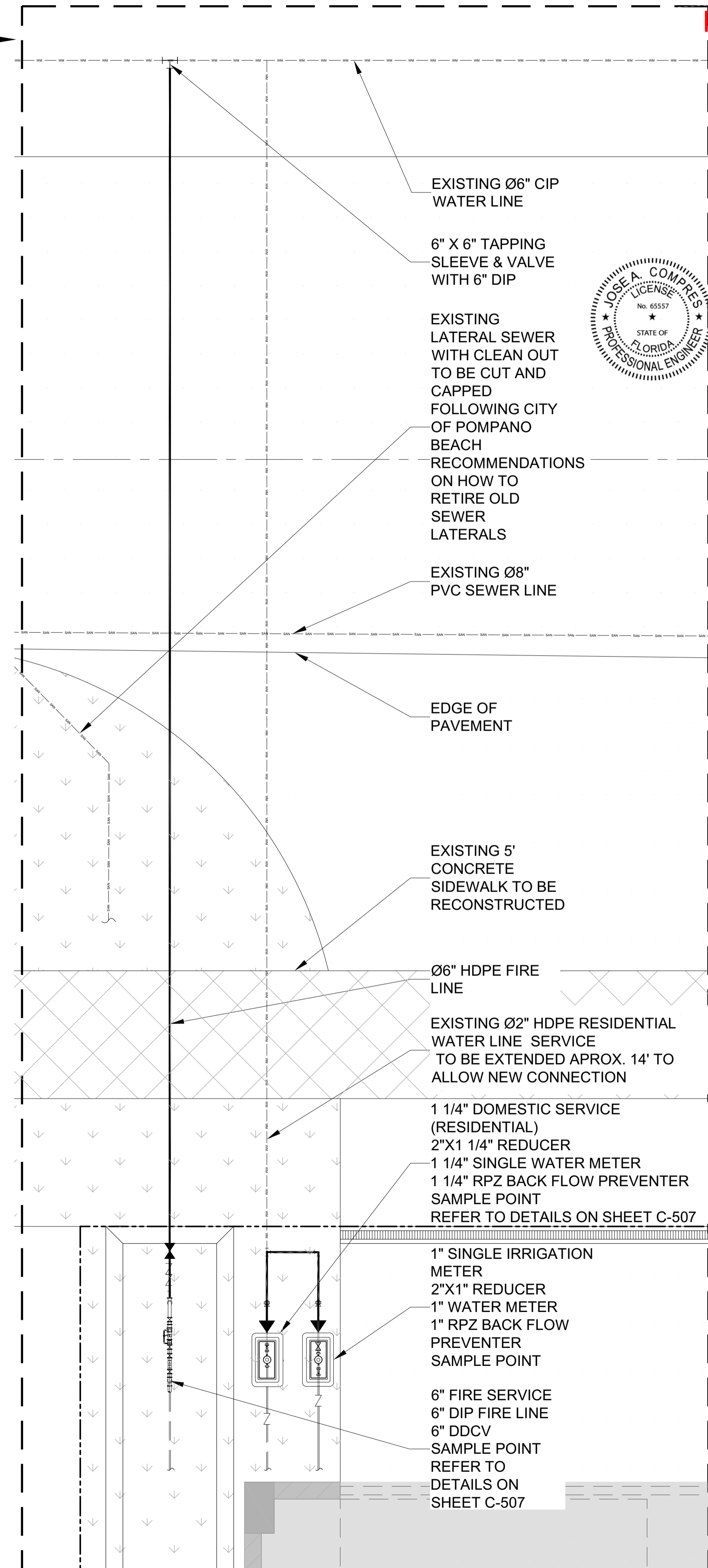
Sheet No.
9 OF 17



WATER AND SEWER PLAN
SCALE 1"=10'



ENLARGED SEWER PLAN
SCALE: 1"=3'



ENLARGED WATER PLAN
SCALE: 1"=3'

NOTE:
NEAREST FIRE HYDRANT DISTANCES:
EAST FIRE HYDRANT DISTANCE = 200 FT.
WEST FIRE HYDRANT DISTANCE = 390 FT.

FLOW CALCULATION WATER:
CONDOMINIUM APARTAMENT = 141 GPD/UNIT
21 UNITS X 141 GPD/UNIT X MAXIMUM DAY FACTOR 1.30 = 3849.30 GDP
ONE WATER ERC = 350 GPD
(3850 GDP X 1 ERC / 350 GPD) = 10.998 ERCS

FIRE FLOW DEMAND CALCULATION:
BUILDING INFORMATION:
CONSTRUCTION TYPE: V-B
TOTAL FIRE FLOW AREA: 22,773 SF.
BUILDING FIRE PROTECTION: SPRINKLERED CONDITION
OCCUPANCY: R2
REQUIRED FIRE FLOW: 2750 GPM X (100%-75%) = 687.5 GPM < 1000 GPM

FIRE TEST RESULT:						
FIRE HYDRANT ID	FLOW PITOT PSI	FLOW GPM	STATIC PRESSURE 24 HR. LOW PSI	STATIC PRESSURE BEFORE FLOW	RESIDUAL PSI DURING FLOW	TIP SIZE
	18	709	74	83	68	3.0
	18	709				3.0
TOTAL HYDRANT FLOW		1418				

NOTE:
FIRE TEST PERFORMED BY BLACK FIRE PROTECTION ON JUNE 10TH OF 2024