

LEGEND

- EXISTING CONCRETE
- PROPOSED CONCRETE
- EXISTING ASPHALT PAVEMENT (TO REMAIN)
- PROPOSED ASPHALT PAVEMENT
- PROPOSED STOP SIGN
- PROPOSED SEWER CLEAN-OUT
- EXISTING ELEVATION (NAVD)
- PROPOSED ELEVATION (NAVD)
- PROPOSED FIRE HYDRANT
- PROPOSED DRAINAGE FLOW ARROW
- PROPOSED SITE LIGHT
- EXISTING WATER LINE
- EXISTING GRAVITY SEWER MAIN
- EXISTING STORM DRAINAGE MAIN
- GAS
- EXISTING GAS MAIN
- E
- EXISTING UNDERGROUND ELECTRIC LINE
- T
- EXISTING UNDERGROUND TELECOMMUNICATIONS LINE
- EXISTING WATER REUSE MAIN
- O/W
- EXISTING OVERHEAD UTILITY WIRES
- D
- PROPOSED TYPE D CONCRETE CURB

NOTES:

1. ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM (NAVD - 1988). TO CONVERT TO NATIONAL GEODETIC VERTICAL DATUM (NGVD - 1929) ADD 1.59'.
2. ALL UNDERGROUND FIRE MAIN WORK SHALL BE COMPLETED BY FIRE PROTECTION CONTRATOR HOLDING A CLASS I, II, OR V LICENSE PER 633.102.

WATER & SEWER DEMAND:

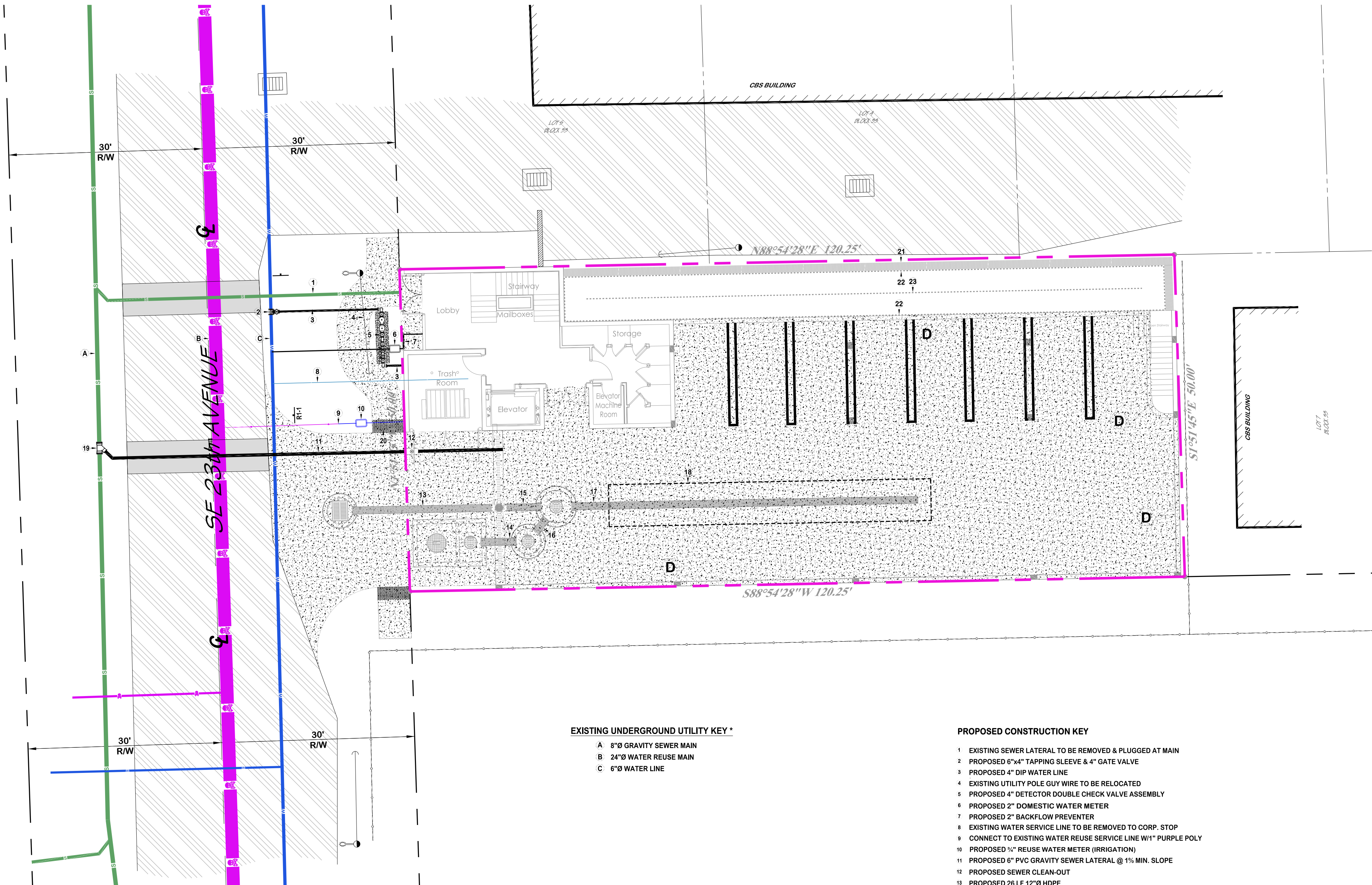
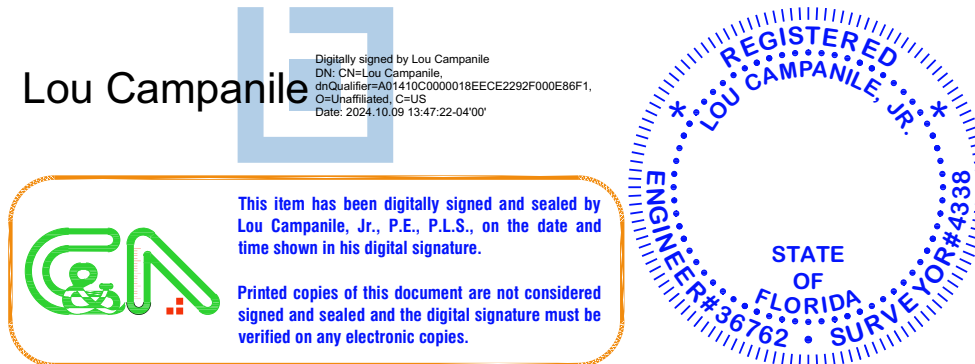
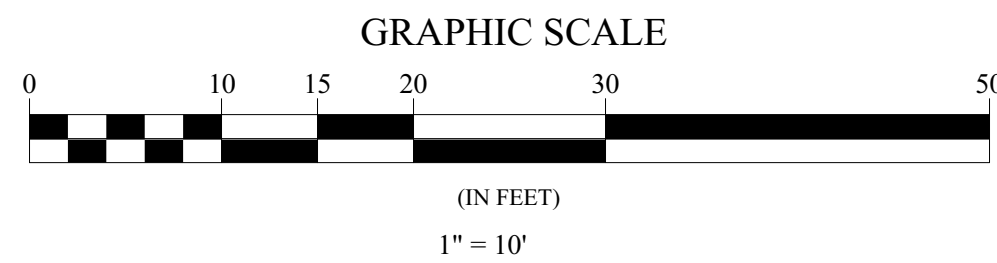
7 ONE-BEDROOM APARTMENTS @ 250 GPD EACH = 1,750 GALLONS

NEW 4-STORY R-2 APARTMENT BUILDING

FIRE FLOW AREA = 32,854 SF

PER §18.4.5.2.1:
REn UIRED FIRE FLOW = 3750 GPM
REn UIRED FLOW DURATION = 3 HOURS

PER §18.4.5.3.2:
FIRE SPRINKLER REDUCTION = 75%
3750 x 0.25 = 937.5 GPM
REn UIRED FIRE FLOW = 1000 GPM



EXISTING UNDERGROUND UTILITY KEY *

- A 8"Ø GRAVITY SEWER MAIN
B 24"Ø WATER REUSE MAIN
C 6"Ø WATER LINE

PROPOSED CONSTRUCTION KEY

- 1 EXISTING SEWER LATERAL TO BE REMOVED & PLUGGED AT MAIN
2 PROPOSED 6"x4" TAPPING SLEEVE & 4" GATE VALVE
3 PROPOSED 4" DIP WATER LINE
4 EXISTING UTILITY POLE GUY WIRE TO BE RELOCATED
5 PROPOSED 4" DETECTOR DOUBLE CHECK VALVE ASSEMBLY
6 PROPOSED 2" DOMESTIC WATER METER
7 PROPOSED 2" BACKFLOW PREVENTER
8 EXISTING WATER SERVICE LINE TO BE REMOVED TO CORP. STOP
9 CONNECT TO EXISTING WATER REUSE SERVICE LINE W/1" PURPLE POLY
10 PROPOSED 1/2" REUSE WATER METER (IRRIGATION)
11 PROPOSED 6" PVC GRAVITY SEWER LATERAL @ 1% MIN. SLOPE
12 PROPOSED SEWER CLEAN-OUT
13 PROPOSED 26 LF 12"Ø HDPE
14 PROPOSED 6 LF 12"Ø HDPE
15 PROPOSED 5 LF 12"Ø HDPE
16 PROPOSED 3 LF 12"Ø HDPE
17 PROPOSED 5 LF 12"Ø HDPE
18 PROPOSED 50 LF EXFILTRATION TRENCH
19 PROPOSED 6"x6" PVC SEWER WYE
20 PROPOSED DETECTABLE WARNING STRIP
21 PROPOSED PERIMETER BERM, TOP ELEVATION 7.5 NAVD
22 PROPOSED ELEVATION 7.0 NAVD CONTOUR
23 PROPOSED ELEVATION 6.1 NAVD CONTOUR

for
RJS ARCHITECTS, INC.

ELIAS APARTMENT BUILDING
216 SE 23 AVENUE
POMPAHO BEACH, FLORIDA 33062-5304
WATER & SEWER PLAN

PROJECT NO. 5391

DATE 10/9/24

REVISIONS

RAWING

WS-2

SHEET

2 OF 10

DRC

PZ24-12000023

12/18/2024