Water and Sanitary Sewer Flow Calculations									
Existing Flows					**Proposed Flows**				
Establishment	Unit	Number of units	Per Unit* gal/day	gal/day	Establishment	Unit	Number of units	Per Unit* gal/day	gal/day
Vacant Land	184,953 SF	-	0	0	Apartment	each	128	250	32,000
			Total	0				Total	32,000
Total Increase in Daily Volume: 32,000									
Source: Broward County Code of Ordinances, Chapter 27, Section 27-201									

N

GRAPHIC SCALE
0 20 40
SCALE: 1" = 20 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

CONST. 30"X8" TAPPING SLEEVE AND VALVE W/ ADDITIONAL G.V. FOR TESTING. CONTRACTOR TO VERIFY LOCATION OF EXIST. CITY WM. REFER TO DETAIL SHEET CU-501.

EXISTING COPB 30" DIP WATER MAIN

CONST. 8" FIRE ONLY METER & BACKFLOW DEVICE. SEE DETAIL SHEET CU-502

CONST. TWO (2) 8"-22.5° BENDS

CONST. 8" DIP FIRE ONLY MAIN

CONST. TWO (2) 8"-45° BENDS

EXISTING COPB SANITARY SEWER GRAVITY MAIN TO BE CUT OUT AND SLEEVED

CONST. 8"X6" TEE AND 6" GATE VALVE

CONST. FIRE DEPARTMENT CONNECTION AND SERVICE

CONST. 8" DIP FIRE ONLY MAIN

EXISTING COPB SANITARY SEWER GRAVITY MAIN TO BE CUT OUT AND SLEEVED

CONST. 8"X6" TEE AND 6" GATE VALVE

CONST. TWO (2) 8"-45° BENDS

EXISTING COPB SANITARY SEWER GRAVITY MAIN TO BE CUT OUT AND SLEEVED

POWERLINE ROAD (STATE ROAD 809 & 845)

BUILDING #1
F.F.E.: 15.25' NAVD

CONST. 6" DIP FIRE SERVICE AND BFP. SEE DETAIL SHEET CU-501 SEE MEP PLANS FOR CONT. (TYP.)

CONST. 6" DIP FIRE SERVICE AND HYDRANT PER CITY STANDARDS (B.S.P. #1)

CONST. 2" PE DOMESTIC SERVICE. SEE MEP PLANS FOR CONT.

CONST. TWO (2) 8"-45° BENDS

CONST. 4' Ø M.A.S. (1)
RIM EL. = 12.70'
S INV. ELEV. = 9.00' - 8" PVC

CONST. 260 LF - 8" PVC @ 0.4% MIN. SLOPE

CONST. 24 LF - 6" PVC LATERAL @ 1% MIN. SLOPE. & 6" CLEANOUT (TYP.)

CONST. TWO (2) 8"-22.5° BENDS

CONST. 8" DIP FIRE ONLY MAIN

BUILDING #3
F.F.E.: 15.25' NAVD

MATCH LINE: REF. SHEET CU-102

KEITH
301 East Atlantic Blvd.
Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Engineering Business License: CA7928
Florida Surveyor and Mapper Business License: LB6860
Florida Landscape Architecture Business License: LC26000457

REVISIONS

NO.	DESCRIPTION	DATE

PRELIMINARY PLAN NOT FOR CONSTRUCTION

THESE PLANS ARE NOT FULLY PERMITTED AND ARE SUBJECT TO REVISIONS MADE DURING THE PERMITTING PROCESS.

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	**07/14/2022**
DESIGNED BY:	**JW**
DRAWN BY:	**FA/NW**
CHECKED BY:	**TD**
BID-CONTRACT:	

This item has been digitally signed and sealed by Thomas F. Donahue, P.E. on the date below using a Digital Signature.

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

THOMAS F. DONAHUE LICENSE No. 60529 STATE OF FLORIDA PROFESSIONAL ENGINEER

2022.07.13 19:22:04-04'00'

THOMAS F. DONAHUE, P.E.
FLORIDA REG. NO. 60529
(FOR THE FIRM)

CLIENT

US GATEWAY INVESTMENTS LLC

PROJECT

GATEWAY LUXURY APARTMENTS
950 N. Powerline Road
Pompano Beach, FL

SHEET TITLE

WATER AND SEWER PLAN

SHEET NUMBER	**CU-101**
PROJECT NUMBER	**12697.00**

DRC
PZ22-12000008
8/17/2022

STATUS: PRELIMINARY

Plotted by: fascuntar On 7/13/2022 5:06 PM

Drawing name: T:\12697.00 - Powerline Road Pompano Beach - Multi Family Residence - US Gateway Investments\Engineering\Cad\12697.00-CU-1XX.dwg