MATCH LINE: REF. SHEET CU-101

BUILDING #2
F.F.E.: 15.25' NAVD

SEE MEP PLANS FOR CONT. (TYP.)

CONST. 6" DIP FIRE SERVICE AND BFP. SEE DETAIL SHEET CU-501

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

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

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

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

CONST. FOUR (4) 8"-45° BENDS

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

CONST. 6" DIP FIRE SERVICE AND BFP. SEE DETAIL SHEET CU-501

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

CONST. 8" DIP FIRE ONLY MAIN

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

CONST. 42 LF - 6" PVC LATERAL @ 1% MIN. SLOPE. 6" CLEANOUT (TYP.)

CONST. TWO (2) 8"-22.5° BENDS

CONST. 8"-45° BEND

CONST. 6" DIP FIRE LINE AND HYDRANT PER CITY STANDARDS (B.S.P. #2)

CONST. 8"-45° BEND

CONST. FIRE DEPARTMENT CONNECTIONS AND SERVICES

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

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

BUILDING #4
F.F.E.: 15.25' NAVD

CONST. 122 LF - 8" PVC @ 0.4% MIN. SLOPE

CONST. TWO (2) FIRE DEPARTMENT CONNECTION AND SERVICE

CONST. 4' Ø M.A.S. (3)
RIM EL. = 12.00'
W INV. ELEV. = 7.37' - 8" PVC
S INV. ELEV. = 7.27' - 8" PVC

CONST. 6" FIRE SERVICE AND BFP. SEE DETAIL SHEET CU-501

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

CONST. 113 LF - 8" PVC @ 0.4% MIN. SLOPE

CONST. 4' Ø M.A.S. (4)
RIM EL. = 11.00'
N INV. ELEV. = 6.81' - 8" PVC
S INV. ELEV. = 6.71' - 8" PVC

CONST. 4' Ø M.A.S. (2)
RIM EL. = 12.75'
(N) INV. EL. = 7.96' - 8" PVC
(E) INV. EL. = 7.86' - 8" PVC

CONNECT NEW 6" FIRE SERVICE TO EXIST. HYDRANT

CONST. 12"X2" TAPPING SADDLE AND CORP. STOP

CONST. TWO (2) 12"-45° BENDS

CONST. 12" DIP WATER MAIN

EXISTING COPB 30" DIP WATER MAIN

CONST. TWO (2) 12"X6" TEES AND GATE VALVES

CONST. 30"X12" TAPPING SLEEVE AND VALVE W/ ADDITIONAL G.V. FOR TESTING. CONTRACTOR TO VERIFY LOCATION OF EXIST. CITY WM. REFER TO DETAIL SHEET CU-501.

CONST. 12"X2" TAPPING SADDLE AND CORP. STOP

CONST. 40 LF - 8" PVC @ 0.40% MIN. SLOPE

CONTRACTOR TO CONNECT PROP. 2" PE SERVICE TO EXIST. WATER SERVICE

CONTRACTOR TO CONNECT PROP. 2" PE SERVICE TO EXIST. WATER SERVICE

CUT AND CONNECT TO EXIST. 6" WATER MAIN W/ 6" 90° BEND

EXISTING COPB 8" PVC SAN. SEWER GRAVITY MAIN

EXISTING SAN. MH
RIM EL. = 13.58
8" PVC E. INV. = 7.29

CONST. 4' Ø M.A.S. (5)
RIM EL. = 11.25'
PROP. N INV. ELEV. = 6.55' - 8" PVC
EX. W INV. ELEV. = 6.45' - 8" PVC
EX. E INV. ELEV. = 6.43' - 8" PVC

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

CONST. TWO (2) 8"-45° BENDS

CONST. 8" DIP FIRE ONLY MAIN

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

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

CONST. TWO (2) 8"-45° BENDS

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

CONST. 2" IRRIGATION METER AND RPZ

CONST. 2" METER BANK. SEE CU-502 FOR DETAILS.

CONST. 12"X8" TEE AND GATE VALVE W/ ADDITIONAL G.V. FOR TESTING

CUT IN 12"X6" REDUCER

EXISTING COPB 6" DIP WATER MAIN

EXISTING SAN. MH
RIM EL. = 13.58
8" PVC N. INV. = 6.12
8" PVC E. INV. = 6.11
8" PVC W. INV. = 6.18

CONST. TWO (2) 12"-45° BENDS

CONST. 12"X6" TEE AND GATE VALVE W/ ADDITIONAL G.V. FOR TESTING. (B.S.P. #3)

PROPOSED M.A.S. TO BE SEWPER-COATED PER COPB STANDARDS

POWERLINE ROAD (STATE ROAD 809 & 845)

N.W. 9th STREET

N

GRAPHIC SCALE
0 20 40
SCALE: 1" = 20 '
NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

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

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 19:22:51-04'00'
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-102

PROJECT NUMBER 12697.00

STATUS: PRELIMINARY

DRC
PZ22-12000008
8/17/2022

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