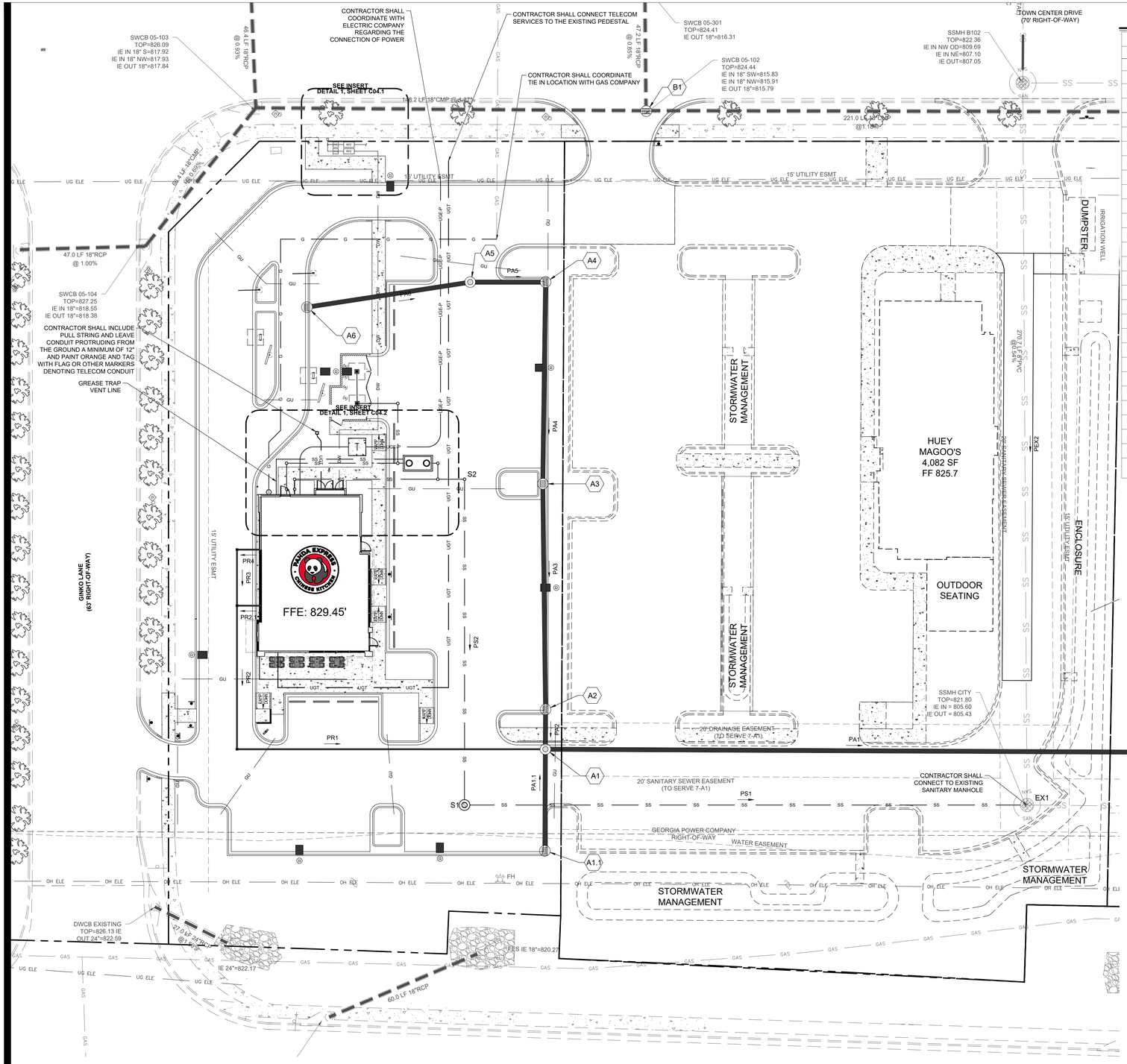

UTILITY LEGEND

UTILITY	LINETYPE/SYMBOL	REFERENCE
DOMESTIC WATER LINE	DW — DW	1.5" PVC
FIRE WATER LINE	FW — FW	NOT APPLICABLE
BUILDING FIRE SPRINKLER LINE	FWS — FWS	NOT APPLICABLE
IRRIGATION WATER LINE	IRR — IRR	1" PVC
DOMESTIC WATER METER (WM)	WM	2" METER
IRRIGATION METER (IRR)	IRR	1" METER
BACKFLOW PREVENTER (RPZ)	RPZ	SEE PLANS
FIRE VAULT (DDC)	DDC	NOT APPLICABLE
DC BACKFLOW PREVENTER		SEE PLANS
WATER TAP OR TEE		SEE PLANS
GATE VALVE (GV)	GV	DETAIL 4, SHEET C04.1
THRUST BLOCK (TB)	TB	NOT APPLICABLE
FIRE HYDRANT (FH)	FH	NOT APPLICABLE
FIRE DEPARTMENT CONNECTION (FDC)	FDC	NOT APPLICABLE
SANITARY SEWER (SS)	SS — SS	SEE PLANS
SANITARY MANHOLE (SSMH)		DETAIL 1, SHEET C04.3
GENERAL CLEAN OUT (Co)	CO	DETAIL 4, SHEET C04.2
SAMPLING MANHOLE		NOT APPLICABLE
SANITARY STRUCTURE NUMBER	S2	SEE PLANS
UNDERGROUND ELECTRIC LINE-PRIMARY	UGE-P — UGE-P	(2) 4" PVC
UNDERGROUND ELECTRIC LINE-SECONDARY	UGE-S — UGE-S	(2) 4" PVC
POST INDICATOR VALVE	PIV	NOT APPLICABLE
SITE LIGHTING POLE		SEE PLANS
TRANSFORMER PAD	T	DETAIL 7, SHEET C03.3
METER/CT PEDESTAL	CT	***
UNDERGROUND TELEPHONE LINE	UGT — UGT	2" PVC
GENERAL UTILITY CONDUIT	GU — GU	(2) 4" PVC
GAS LINE	G	***
GAS METERS		***

*** ALL UTILITIES SHALL BE INSTALLED ACCORDING TO UTILITY PROVIDERS AND JURISDICTION STANDARDS AND SPECIFICATIONS. ***

GENERAL UTILITY NOTES

1. SEE SHEET C01.1 FOR GENERAL NOTES.
2. SEE MEP PLANS FOR CONTINUATION OF ALL UTILITIES INTO BUILDING.
3. SANITARY LATERALS SHALL HAVE A MINIMUM FALL OF 1.00%.
4. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND THEIR LOCATIONS AND ELEVATIONS PRIOR TO STARTING CONSTRUCTION.
5. THE FINAL LOCATION OF FIRE HYDRANTS, VALVES, WATER LINES, BACKFLOW PREVENTERS, ETC. SHALL BE DETERMINED DURING CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CHANGES TO LOCATION OR CONFIGURATION. NFPA CODES SHALL BE ADHERED TO.
6. THE CONTRACTOR SHALL CONTACT PUBLIC UTILITIES INSPECTIONS AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY.
7. ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH LOCAL GOVERNING CODES.
8. UTILITY CONDUIT MATERIAL FOR ELECTRIC, TELEPHONE, AND CABLE SHALL BE INSTALLED PER UTILITY PROVIDER SPECIFICATIONS.
9. CONTRACTOR TO BUILD CONCRETE TRANSFORMER PAD AND INSTALL SCHEDULE 40 PVC CONDUIT AND PULL STRING WITH SWEEPING BENDS.
10. ALL WORK ON THE WATER OR SEWER SYSTEM MUST FOLLOW THE CURRENT CITY OF COVINGTON WATER AND SEWER STANDARDS AND SPECIFICATIONS MANUAL.

CITY ELECTRICAL NOTES

1. THE CONTRACTOR TO FURNISH AND INSTALL TRANSFORMER CONCRETE PAD PER CITY OF COVINGTON SPECIFICATIONS.
2. THE CONTRACTOR IS REQUIRED TO INSTALL TEMPORARY POWER POLE. TEMPORARY POLE SPECIFICATIONS ARE ON THE CITY OF COVINGTON WEBSITE UNDER "ELECTRIC DEPARTMENT".
3. IF THERE ARE INSTALLATIONS CHARGES, PAYMENT MUST BE MADE BEFORE START OF WORK.
4. OWNER/DEVELOPER TO SIGN EASEMENTS AND PAY ANY INFRASTRUCTURE RELOCATION COST BEFORE START OF CONSTRUCTION.
5. THE CONTRACTOR IS REQUIRED TO INSTALL, TWO (2) SCHEDULE 40, 4INCH PVC CONDUITS AT A MINIMUM DEPTH OF 40 INCHES DEEP FROM THE TRANSFORMER TO THE APPROVED POWER POLE OR UNDERGROUND CONNECTION LOCATION AT THE RIGHT OF WAY OF THE POWER EASEMENT.
6. CITY OF COVINGTON FURNISH METER BASE AND 6 INCH STEEL CHANNEL, UNLESS MOUNTED ON STRUCTURE, FOR THE DEVELOPER'S ELECTRICIAN TO INSTALL PER CITY OF COVINGTON SPECIFICATIONS.
7. IF THE PROJECT SHOULD CAUSE RELOCATION OR REMOVAL OF ANY EXISTING POWER MAIN OR SERVICE THERE WILL BE ASSOCIATED COST.

AVERAGE WATER & SEWER DEMAND

- PER COVINGTON GA ORDINANCES DEMAND IS ESTIMATED USING 1 ERU (EQUIVALENT RESIDENTIAL UNITS) AS 350 GPD (GALLONS PER DAY).
- SEWER DEMAND TO BE ESTIMATED AT 300 GPD/ERU.

CALCULATIONS:

ERU = FAST FOOD MULTIPLIER * SEATING COUNT = 0.05 * 60 SEATS = 3 ERU

AVG. DAILY WATER DEMAND = 3 ERU * 350 GPD/ERU = 1,050 GPD

AVG. DAILY SEWER DEMAND = 3 ERU * 300 GPD/ERU = 900 GPD

CONTRACTOR SHALL INCLUDE PULL STRING FOR TELECOM SERVICE. LEAVE CONDUIT PROTRUDING OUT OF GROUND MIN 12" AND PAINT ORANGE, TAG WITH FLAG OR OTHER MARKER NOTING LOCATION OF TELEPHONE CONDUIT.

CONTRACTOR SHALL COORDINATE AND VERIFY LOCATION OF ALL SIGNAGE WITH OWNER PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL COORDINATE AND ADJUST LOCATION OF LOOP DETECTORS TO AVOID UTILITY CONFLICTS PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL INSTALL GENERAL UTILITY CONDUITS TO PLANTERS AROUND BUILDING AND PATIO. SEE ARCHITECTURAL/MEP PLANS FOR CONTINUATION.

CONTRACTOR SHALL PROTECT ALL ITEMS OUTSIDE LIMITS OF CONSTRUCTION UNLESS OTHERWISE NOTED IN THE CONSTRUCTION PLANS OR SPECIFICATIONS.

UTILITY INFORMATION

WATER

	GC	SELLER	DEVEL-OPER	UTILITY	ADDITIONAL NOTES
LINE EXTENSION TO PROPERTY LINE					NOT APPLICABLE
PIPING (PROPERTY LINE TO BUILDING)	●				---
TAPPING THE MAIN	●				---
WATER VAULT	●				---
WATER (METER) PIT	●				---
DOMESTIC METER	●				---
FIRE METER					NOT APPLICABLE
IRRIGATION METER	●				---
DOMESTIC BFP	●				---
FIRE BFP					NOT APPLICABLE
IRRIGATION BFP	●				---
OBTAINING EASEMENTS	●			●	---
OBTAINING ROW WORK PERMITS					NOT APPLICABLE

SANITARY SEWER

	GC	SELLER	DEVEL-OPER	UTILITY	ADDITIONAL NOTES
TAPPING OF THE MAIN	●				---
LINE EXTENSION	●				---
SERVICE LATERAL (INSIDE PROPERTY)	●				---
OBTAINING EASEMENTS	●		●	●	---
OBTAINING ROW PERMIT					NOT APPLICABLE

ELECTRIC

	GC	SELLER	DEVEL-OPER	UTILITY	ADDITIONAL NOTES
PRIMARY CONDUIT	●				---
PRIMARY CABLE				●	---
PRIMARY FINAL CONNECTION				●	---
TRANSFORMER				●	---
TRANSFORMER PAD	●				---
POLE					NOT APPLICABLE
SECONDARY CABLE	●				---
SECONDARY CONDUIT	●				---
SECONDARY FINAL INSPECTION	●				---
METER				●	---
CT CABINET				●	---
CT METER CONDUIT	●				---
SOCKET				●	---
OBTAINING EASEMENTS	●			●	---
ROW WORK PERMITS				●	---

TELEPHONE

	GC	SELLER	DEVEL-OPER	UTILITY	ADDITIONAL NOTES
CONDUIT	●				---
TRENCH & BACKFILL	●				---
CABLE & WIRE				●	---
OBTAINING EASEMENTS	●			●	---
OBTAINING ROW WORK PERMITS	●				---

GAS

	GC	SELLER	DEVEL-OPER	UTILITY	ADDITIONAL NOTES
TAP				●	---
PIPING				●	---
TRENCH AND BACKFILL				●	---
METER				●	---
REGULATOR				●	---
OBTAINING EASEMENTS	●				---
OBTAINING ROW WORK PERMITS	●			●	---

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES (LOCATIONS AND ELEVATIONS) PRIOR TO STARTING CONSTRUCTION AND ALERT ENGINEER TO ANY DISCREPANCIES IMMEDIATELY.

GEORGIA 811 Utilities Protection Center, Inc.
Know what's below. Call before you dig.

24-HOUR CONTACT:
JOE CELENTO
(912) 272-4811

N

0 20 40 Feet

SCALE 1" = 20'

PANDA EXPRESS CHINESE KITCHEN

PANDA EXPRESS, INC.

1683 WALNUT GROVE AVE.
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REVISIONS:

ISSUE DATE:

PRELIMINARY	01/19/2022
BID	02/07/2022
CONSTRUCTION	XX-XX-XX

DRAWN BY: INGENIUM

PANDA PROJECT #: D8515
PANDA STORE #: 3536
ARCH PROJECT #: 2210604

INGENIUM
Civil Engineering & Planning

GEORGIA REGISTERED No. PE26748 PROFESSIONAL ENGINEER JEREMY M. PETITT
2/7/22

UTILITY PLAN

C04.0

TRUE WARM & WELCOME 2300