

UTILITY LEGEND		
PROPOSED UTILITY	LINETYPE/SYMBOL	REFERENCE
DOMESTIC WATER LINE	DW	1-1/2" PVC (COLOR CODED BLUE)
FIRE WATER LINE	FW	NOT APPLICABLE
BUILDING FIRE SPRINKLER LINE	FWS	NOT APPLICABLE
IRRIGATION WATER LINE	IRR	1" POLY (COLOR CODED PURPLE)
DOMESTIC WATER METER (WM)	WM	DETAIL 6, SHEET C04.2
IRRIGATION METER (IRR)	IRR	DETAIL 4, SHEET C04.2
BACKFLOW PREVENTER (RPZ)	RPZ	DETAIL 7, SHEET C04.2
FIRE VAULT (DDC)	DDC	NOT APPLICABLE
DC BACKFLOW PREVENTER		DETAIL 5, SHEET C04.2
WATER TAP OR TEE		NOT APPLICABLE
GATE VALVE (GV)	GV	NOT APPLICABLE
THRUST BLOCK (TB)	TB	NOT APPLICABLE
FIRE HYDRANT (FH)	FH	NOT APPLICABLE
FIRE DEPARTMENT CONNECTION (FDC)	FDC	NOT APPLICABLE
SANITARY SEWER (SS)	SS	2" & 8" PVC (COLOR CODED GREEN)
SANITARY MANHOLE (SSMH)		NOT APPLICABLE
GENERAL CLEAN OUT (Co)	Co	DETAIL 2, SHEET C04.2
SAMPLING MANHOLE		NOT APPLICABLE
SANITARY STRUCTURE NUMBER	SN	SEE PLANS
UNDERGROUND ELECTRIC LINE-PRIMARY	UEP	(2) 5" PVC
UNDERGROUND ELECTRIC LINE-SECONDARY	UES	(2) 5" PVC
POST INDICATOR VALVE	PV	NOT APPLICABLE
SITE LIGHTING POLE		SEE PLANS
TRANSFORMER PAD	T	DETAIL 8 SHEET C04.2
METER/CT PEDESTAL	CT	SEE PLANS
UNDERGROUND TELEPHONE LINE	UGT	(2) 4" PVC
TELEPHONE CABLE PULL BOX	PB	SEE PLANS
GENERAL UTILITY CONDUIT	GU	4" PVC
GAS LINE	G	***
GAS METERS		SEE PLANS
*** ALL UTILITIES SHALL BE INSTALLED ACCORDING TO UTILITY PROVIDERS AND JURISDICTION STANDARDS AND SPECIFICATIONS. ***		

FUTURE UTILITY		
DOMESTIC WATER LINE (FUTURE)	W (B.O.)	SIZE VARIES
IRRIGATION LINE (FUTURE)	IRR (B.O.)	SIZE VARIES
GATE VALVE (FUTURE)		SIZE VARIES
FIRE HYDRANT (FUTURE)		SEE PLANS BY OTHERS
UNDERGROUND ELECTRIC LINE (FUTURE)	UGE (B.O.)	SIZE VARIES
SANITARY SEWER (FUTURE)	SS (B.O.)	SIZE VARIES
UNDERGROUND CABLE LINE (FUTURE)	FO (B.O.)	SIZE VARIES
UNDERGROUND TELEPHONE LINE (FUTURE)	TEL (B.O.)	SIZE VARIES
GAS LINE (FUTURE)	G (B.O.)	SIZE VARIES
FUTURE CAP		SEE PLANS BY OTHERS
*** ALL UTILITIES SHALL BE INSTALLED ACCORDING TO UTILITY PROVIDERS AND JURISDICTION STANDARDS AND SPECIFICATIONS. ***		

GENERAL UTILITY NOTES

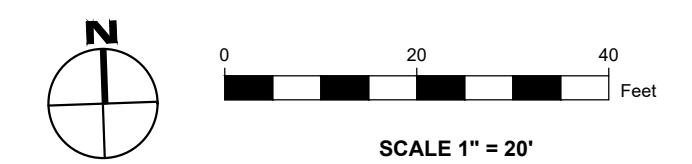
- SEE SHEET C01.1 FOR GENERAL NOTES.
- SEE MEP PLANS FOR CONTINUATION OF ALL UTILITIES INTO BUILDING.
- SANITARY LATERALS SHALL HAVE A MINIMUM FALL OF 1.00%.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND THEIR LOCATIONS AND ELEVATIONS PRIOR TO STARTING CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CHANGES TO LOCATION OR CONFIGURATION. NPFA CODES SHALL BE ADHERED TO.
- 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. NPFA CODES SHALL BE ADHERED TO.
- THE CONTRACTOR SHALL CONTACT PUBLIC UTILITIES INSPECTIONS AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY.
- ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH LOCAL GOVERNING CODES.
- UTILITY CONDUIT MATERIAL FOR ELECTRIC, TELEPHONE, AND CABLE SHALL BE INSTALLED PER UTILITY PROVIDER SPECIFICATIONS.
- CONTRACTOR TO BUILD CONCRETE TRANSFORMER PAD AND INSTALL SCHEDULE 80 PVC CONDUIT AND PULL STRING WITH SWEEPING BENDS.
- PASCO COUNTY SHALL NOT OWN OR MAINTAIN ANY WATER LINES, SEWER LINES, OR FACILITIES CONSTRUCTED ON PRIVATE PROPERTY.
- ALL MATERIALS AND LABOR SHALL MEET THE SPECIFICATIONS REQUIRED BY THE COUNTY. ALL CONSTRUCTION SHALL BE PERFORMED UNDER THE INSPECTION OF THE COUNTY AND IN STRICT COMPLIANCE WITH THE STANDARDS OF THE COUNTY DESIGN STANDARDS.
- ALL NEWLY INSTALLED WATER DISTRIBUTION MAINS AND SERVICE LATERALS SHALL BE COLOR CODED BLUE.
- ALL NEWLY INSTALLED FORCE MAINS AND GRAVITY LINES SHALL BE COLOR CODED GREEN.
- ALL NEWLY INSTALLED RECLAIM WATER DISTRIBUTION MAINS AND SERVICE LATERALS SHALL BE COLOR CODED PURPLE.

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

PER THE MASTER GEOTECH REPORT FOR THE CYPRESS RANCH DEVELOPMENT, THE WATER TABLE NEAR THE PANDA EXPRESS SITE IS APPROXIMATELY 3.5' BELOW THE EXISTING GRADE ELEVATION.



UTILITY INFORMATION

WATER				
	DC	MASTER DEVELOPER	PANDA EXPRESS	UTILITY
LINE EXTENSION TO PROPERTY LINE (PROPERTY LINE TO BUILDING)				NONE
TAPPING THE MAIN				NONE
WATER VAULT				NONE
WATER (METER) PIT				NONE
DOMESTIC METER				NONE
FIRE METER				NOT APPLICABLE
IRRIGATION METER				NONE
DOMESTIC BFP				NONE
FIRE BFP				NOT APPLICABLE
IRRIGATION BFP				NONE
OBTAINING EASEMENTS				NONE
OBTAINING ROW WORK PERMITS				NONE

SANITARY SEWER				
	DC	MASTER DEVELOPER	PANDA EXPRESS	UTILITY
TAPPING OF THE MAIN				NONE
LINE EXTENSION				NONE
SERVICE LATERAL (INSIDE PROPERTY)				NONE
OBTAINING EASEMENTS				NONE
OBTAINING ROW PERMIT				NONE

ELECTRIC				
	DC	MASTER DEVELOPER	PANDA EXPRESS	UTILITY
PRIMARY CONDUIT				NONE
PRIMARY CABLE				NONE
PRIMARY FINAL CONNECTION				NONE
TRANSFORMER				NONE
TRANSFORMER PAD				NONE
POLE				NOT APPLICABLE
SECONDARY CABLE				NONE
SECONDARY CONDUIT				NONE
SECONDARY FINAL INSPECTION				NONE
METER				NONE
CT CABINET				NONE
CT METER CONDUIT				NONE
SOCKET				NONE
OBTAINING EASEMENTS				NONE
ROW WORK PERMITS				NONE

TELEPHONE				
	DC	MASTER DEVELOPER	PANDA EXPRESS	UTILITY
CONDUIT				NONE
TRENCH & BACKFILL				NONE
CABLE & WIRE				NONE
OBTAINING EASEMENTS				NONE
OBTAINING ROW WORK PERMITS				NONE

GAS				
	DC	MASTER DEVELOPER	PANDA EXPRESS	UTILITY
TAP				NONE
PIPING				NONE
TRENCH AND BACKFILL				NONE
METER				NONE
REGULATOR				NONE
OBTAINING EASEMENTS				NONE
OBTAINING ROW WORK PERMITS				NONE

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



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REVISIONS:

C1 1ST COUNTY COMMENTS 04/05/2021
C2 2ND COUNTY COMMENTS 06/04/2021

ISSUE DATE:

ALT. STANDARDS 12/17/2020
PRELIMINARY SITE PLAN 01/12/2021
COUNTY COMMENTS 04/05/2021
ISSUE FOR BID 06/04/2021

DRAWN BY: INGENIUM

PANDA PROJECT #: D8135
PANDA STORE #:
ARCH PROJECT #:



UTILITY PLAN

C04.0