

55' - H1

Pawpaw Cove

----- Flying W Unit 2

All NBU Infrastructure is in 20' U.E.

Flying W Unit 1

		ELECTRIC ENGINEERING 335 FM 505 NEW BRAUNFELS, TEXAS 78130 830-608-8951		NOTES		PROJ TITLE / LOCATION	
GAS		W		AT&T TRS		Flying W Unit 3	
AT&T		PRIVATE		SPECTRUM TRS		UG Extension	
SPECTRUM		OTHER		OTHER TRS		5/3/24	
SCALE		1" = 40.00 Feet		PROJECT NO.		TECH	
1		2		242301		Conrad F	

WL#	WORK FUNCTION	INSTRUCTION
1	NBU Install	(235 FT) 1/0 AL UG 1φ Primary to WL #2 (Bφ)
		65A T Type Fuse (Bφ)
	NBU Note	Existing Switchgear # 910
2	Contractor Install	(1) 3" Primary UG Conduit to WL #2* (per NBU spec)
		*Intercept existing stubout at edge of property
		75 KVA 120/240V 1φ Padmount Transformer (Bφ)
	NBU Install	(145 FT) 1/0 AL UG 1φ Primary to WL #3 (Bφ)
		(100 FT) 4/0 AL UG TPX to WL #2A
		(100 FT) 4/0 AL UG TPX to WL #2B
2A	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec)
		(1) 3" Primary UG Conduit to WL #3 (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #2A (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #2B (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
2B	Contractor Install	Secondary Pullbox (per NBU spec)
		(3) 3" Secondary UG Conduit Stubouts (per NBU spec)
3	Contractor Install	Secondary Pullbox (per NBU spec)
		3 Place 200A Single Phase Primary Pullbox
		(150 FT) 1/0 AL UG 1φ Primary to WL #4 (Bφ)
		(220 FT) 1/0 AL UG 1φ Primary to WL #9 (Bφ)
		3 Place 200A Single Phase Primary Pullbox Foundation (per NBU spec)
		(1) 3" Primary UG Conduit to WL #4 (per NBU spec)
4	Contractor Install	(1) 3" Primary UG Conduit to WL #9 (per NBU spec)
		75 KVA 120/240V 1φ Padmount Transformer (Bφ)
		(150 FT) 1/0 AL UG 1φ Primary to WL #5 (Bφ)
		(100 FT) 4/0 AL UG TPX to WL #4A
		(65 FT) 4/0 AL UG TPX to WL #4B
		Single Phase Padmount Transformer Foundation (per NBU spec)
4A	Contractor Install	(1) 3" Primary UG Conduit to WL #5 (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #4A (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #4B (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		Secondary Pullbox (per NBU spec)
4B	Contractor Install	(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		Secondary Pullbox (per NBU spec)
		(3) 3" Secondary UG Conduit Stubouts (per NBU spec)
		75 KVA 120/240V 1φ Padmount Transformer (Bφ)
		(200 FT) 1/0 AL UG 1φ Primary to WL #6 (Bφ)
5	Contractor Install	(50 FT) 350 MCM AL UG TPX to WL #5A
		(65 FT) 4/0 AL UG TPX to WL #5C
		(50 FT) 4/0 AL UG TPX to WL #5D
		Single Phase Padmount Transformer Foundation (per NBU spec)
		(1) 3" Primary UG Conduit to WL #6 (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #5A (per NBU spec)
5A	Contractor Install	(1) 3" Secondary UG Conduit to WL #5C (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #5D (per NBU spec)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec)
		Secondary Pullbox (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
5B	Contractor Install	Secondary Pullbox (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		Secondary Pullbox (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		Secondary Pullbox (per NBU spec)
6	Contractor Install	(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		75 KVA 120/240V 1φ Padmount Transformer (Bφ)
		(225 FT) 1/0 AL UG 1φ Primary to WL #7 (Bφ)
		(50 FT) 350 MCM AL UG TPX to WL #6A
		(50 FT) 350 MCM AL UG TPX to WL #6C
		Single Phase Padmount Transformer Foundation (per NBU spec)
6A	Contractor Install	(1) 3" Primary UG Conduit to WL #7 (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #6A (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #6C (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		Secondary Pullbox (per NBU spec)
6B	Contractor Install	(70 FT) 350 MCM AL UG TPX to WL #6B
		Secondary Pullbox (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #6B (per NBU spec)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec)
		Secondary Pullbox (per NBU spec)
6C	Contractor Install	(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		(65 FT) 350 MCM AL UG TPX to WL #6D
		Secondary Pullbox (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #6D (per NBU spec)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec)
7	Contractor Install	Secondary Pullbox (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		50 KVA 120/240V 1φ Padmount Transformer (Bφ)
		(265 FT) 1/0 AL UG 1φ Primary to WL #8 (Bφ)
		(80 FT) 4/0 AL UG TPX to WL #7A
		(70 FT) 4/0 AL UG TPX to WL #7B
7A	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec)
		(1) 3" Primary UG Conduit to WL #8 (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #7A (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #7B (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
7B	Contractor Install	Secondary Pullbox (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		Secondary Pullbox (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		4 Place 200A Single Phase Primary Pullbox
8	Contractor Install	(115 FT) 1/0 AL UG 1φ Primary to WL #16 (Bφ)
		4 Place 200A Single Phase Primary Pullbox Foundation (per NBU spec)
		(1) 3" Primary UG Conduit to WL #16 (per NBU spec)

WL#	WORK FUNCTION	INSTRUCTION
9	Contractor Install	75 KVA 120/240V 1φ Padmount Transformer (Bφ)
		(255 FT) 1/0 AL UG 1φ Primary to WL #10 (Bφ)
		(100 FT) 4/0 AL UG TPX to WL #9A
		(105 FT) 4/0 AL UG TPX to WL #9B
		Single Phase Padmount Transformer Foundation (per NBU spec)
9A	Contractor Install	(1) 3" Primary UG Conduit to WL #10 (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #9A (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #9B (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
9B	Contractor Install	Secondary Pullbox (per NBU spec)
		(3) 3" Secondary UG Conduit Stubouts (per NBU spec)
		Secondary Pullbox (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
10	Contractor Install	75 KVA 120/240V 1φ Padmount Transformer (Bφ)
		(200 FT) 1/0 AL UG 1φ Primary to WL #11 (Bφ)
		(55 FT) 4/0 AL UG TPX to WL #10A
		(65 FT) 4/0 AL UG TPX to WL #10B
		(50 FT) 4/0 AL UG TPX to WL #10C
		Single Phase Padmount Transformer Foundation (per NBU spec)
10A	Contractor Install	(1) 3" Primary UG Conduit to WL #11 (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #10A (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #10B (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #10C (per NBU spec)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec)
10B	Contractor Install	Secondary Pullbox (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		Secondary Pullbox (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
11	Contractor Install	75 KVA 120/240V 1φ Padmount Transformer (Bφ)
		(215 FT) 1/0 AL UG 1φ Primary to WL #12 (Bφ)
		(50 FT) 4/0 AL UG TPX to WL #11A
		(80 FT) 350 MCM AL UG TPX to WL #11B
		(50 FT) 4/0 AL UG TPX to WL #11D
		Single Phase Padmount Transformer Foundation (per NBU spec)
11A	Contractor Install	(1) 3" Primary UG Conduit to WL #12 (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #11A (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #11B (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #11D (per NBU spec)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec)
11B	Contractor Install	Secondary Pullbox (per NBU spec)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec)
		Secondary Pullbox (per NBU spec)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec)
11C	Contractor Install	Secondary Pullbox (per NBU spec)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec)
		Secondary Pullbox (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
12	Contractor Install	75 KVA 120/240V 1φ Padmount Transformer (Bφ)
		(205 FT) 1/0 AL UG 1φ Primary to WL #13 (Bφ)
		(50 FT) 350 MCM AL UG TPX to WL #12A
		(65 FT) 4/0 AL UG TPX to WL #12C
		(90 FT) 4/0 AL UG TPX to WL #12D
12A	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec)
		(1) 3" Primary UG Conduit to WL #13 (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #12A (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #12C (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #12D (per NBU spec)
12B	Contractor Install	(1) 3" Secondary UG Conduit Stubout (per NBU spec)
		Secondary Pullbox (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		Secondary Pullbox (per NBU spec)
12C	Contractor Install	(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		Secondary Pullbox (per NBU spec)
		(3) 3" Secondary UG Conduit Stubouts (per NBU spec)
		3 Place 200A Single Phase Primary Pullbox
13	Contractor Install	(135 FT) 1/0 AL UG 1φ Primary to WL #14 (Bφ)
		(100 FT) 1/0 AL UG 1φ Primary to WL #15 (Bφ)
		Primary Open Point
		3 Place 200A Single Phase Primary Pullbox Foundation (per NBU spec)
		(1) 3" Primary UG Conduit to WL #14 (per NBU spec)
14	Contractor Install	(1) 3" Primary UG Conduit to WL #15 (per NBU spec)
		50 KVA 120/240V 1φ Padmount Transformer (Bφ)
		(95 FT) 4/0 AL UG TPX to WL #14A
		(60 FT) 4/0 AL UG TPX to WL #14B
		Single Phase Padmount Transformer Foundation (per NBU spec)
14A	Contractor Install	(1) 3" Secondary UG Conduit to WL #14A (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #14B (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		Secondary Pullbox (per NBU spec)
14B	Contractor Install	(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		Secondary Pullbox (per NBU spec)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec)
		50 KVA 120/240V 1φ Padmount Transformer (Bφ)
15	Contractor Install	(225 FT) 1/0 AL UG 1φ Primary to WL #8 (Bφ)
		(50 FT) 4/0 AL UG TPX to WL #15A
		(100 FT) 4/0 AL UG TPX to WL #15B
		Single Phase Padmount Transformer Foundation (per NBU spec)
		(1) 3" Primary UG Conduit to WL #8 (per NBU spec)
15A	Contractor Install	(1) 3" Secondary UG Conduit to WL #15A (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #15B (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		Secondary Pullbox (per NBU spec)
15B	Contractor Install	(1) 3" Secondary UG Conduit Stubout (per NBU spec)
		Secondary Pullbox (per NBU spec)
		(3) 3" Secondary UG Conduit Stubouts (per NBU spec)

WL#	WORK FUNCTION	INSTRUCTION
16	Contractor Install	50 KVA 120/240V 1φ Padmount Transformer (Bφ)
		(180 FT) 1/0 AL UG 1φ Primary to WL #17 (Bφ)
		(50 FT) 4/0 AL UG TPX to WL #16A
		(50 FT) 4/0 AL UG TPX to WL #16B
		Single Phase Padmount Transformer Foundation (per NBU spec)
16A	Contractor Install	(1) 3" Primary UG Conduit to WL #17 (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #16A (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #16B (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
16B	Contractor Install	Secondary Pullbox (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		Secondary Pullbox (per NBU spec)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec)
17	Contractor Install	50 KVA 120/240V 1φ Padmount Transformer (Bφ)
		(50 FT) 4/0 AL UG TPX to WL #17A
		(50 FT) 4/0 AL UG TPX to WL #17B
		Single Phase Padmount Transformer Foundation (per NBU spec)
		(1) 3" Secondary UG Conduit to WL #17A (per NBU spec)
17A	Contractor Install	(1) 3" Secondary UG Conduit to WL #17B (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		Secondary Pullbox (per NBU spec)
		(1) 3" Secondary UG Conduit Stubouts (per NBU spec)
17B	Contractor Install	Secondary Pullbox (per NBU spec)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec)
		3 Place 200A Three Phase Primary Pullbox
		3 Place 200A Three Phase Primary Pullbox Foundation (per NBU spec)
18	Contractor Install	(3) 3" Primary UG Conduits to WL #19 (per NBU spec)
		(3) 3" Primary UG Conduit Stubouts across English Oaks to edge of Unit 3 property (per NBU spec)
		3 Place 200A Three Phase Primary Pullbox
		3 Place 200A Three Phase Primary Pullbox Foundation (per NBU spec)
19	Contractor Install	(3) 3" Primary UG Conduit stubouts to edge of property (per NBU spec)

Conductor	Length (FT)
1/0 AL UG Primary	3560
350 MCM AL UG TPX	475
4/0 AL UG TPX	2215

All NBU Infrastructure is in 20' U.E.

Unit 3 must be completed and energized before subsequent units can be energized

Conduit that does not have NBU Condutor install in it is customer owned until such time when NBU conductor is installed per NBU policy

		ELECTRIC ENGINEERING 355 FM 306 NEW BRAUNFELS, TEXAS 78130 830-808-8951		NOTES		PROJ TITLE / LOCATION Flying W Unit 3	
GAS		FILE		AT&T TRS		SCALE 1 inch = 40.28 feet	
PRIVATE		WWW		SPECTRUM TRS		REV NO 1	
SPECTRUM		OTHER		OTHER TRS		REV DATE 5/3/24	
						ISSUE DATE 5/3/24	
						TECH Conrad F	
						WCM 242301	