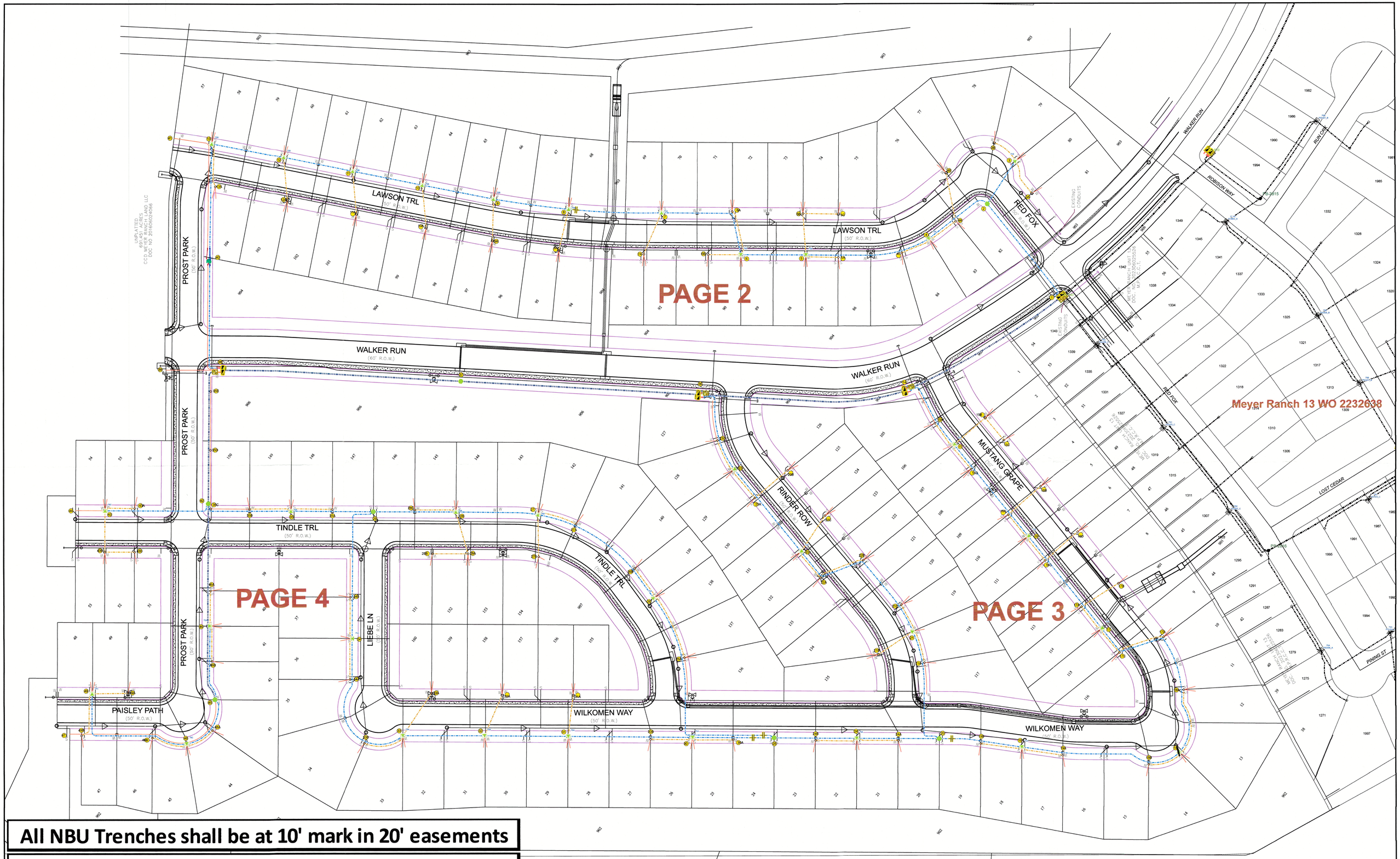
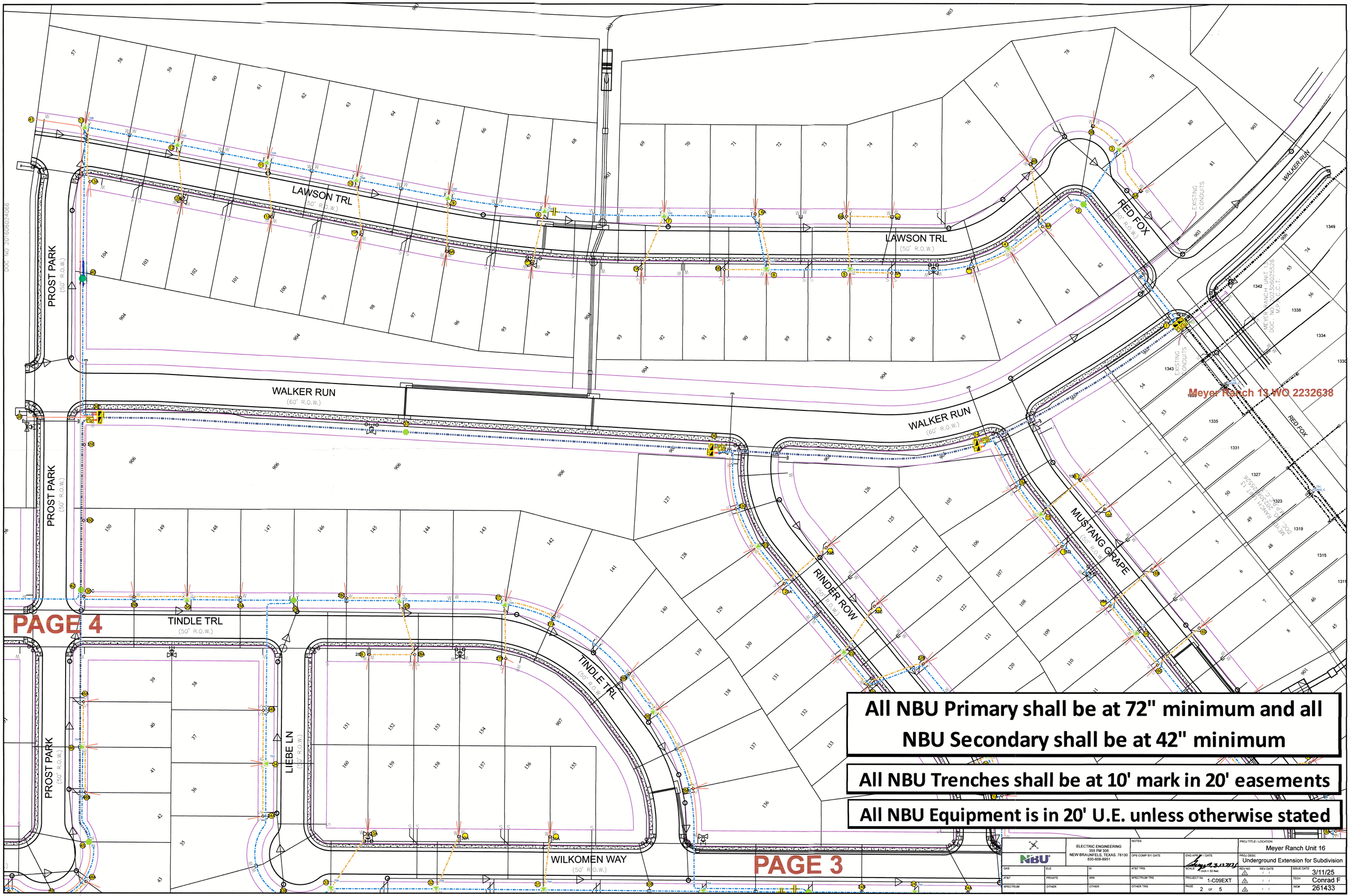


All NBU Trenches shall be at 10' mark in 20' easements

All NBU Primary shall be at 72" minimum and all NBU Secondary shall be at 42" minimum

All NBU Equipment is in 20' U.E. unless otherwise stated

NBU	ELECTRIC ENGINEERING 355 FM 306 NEW BRAUNFELS, TEXAS. 78130 830-608-8951	NOTES		PROJ TITLE / LOCATION: Meyer Ranch Unit 16	
		OPS COMP BY/ DATE	ENG APPROV / DATE	PROJ DESC: Overview	
GAS	ELE	W	AT&T TRS	SCALE: 1 inch = 66.67 feet	REV NO / REV DATE / ISSUE DATE: 3/11/25
AT&T	PRIVATE	WW	SPECTRUM TRS	PROJECT No: 1-C09EXT	TECH: Conrad F
SPECTRUM	OTHER	OTHER	OTHER TRS	PAGE: 1 OF 5	WO#: 261433



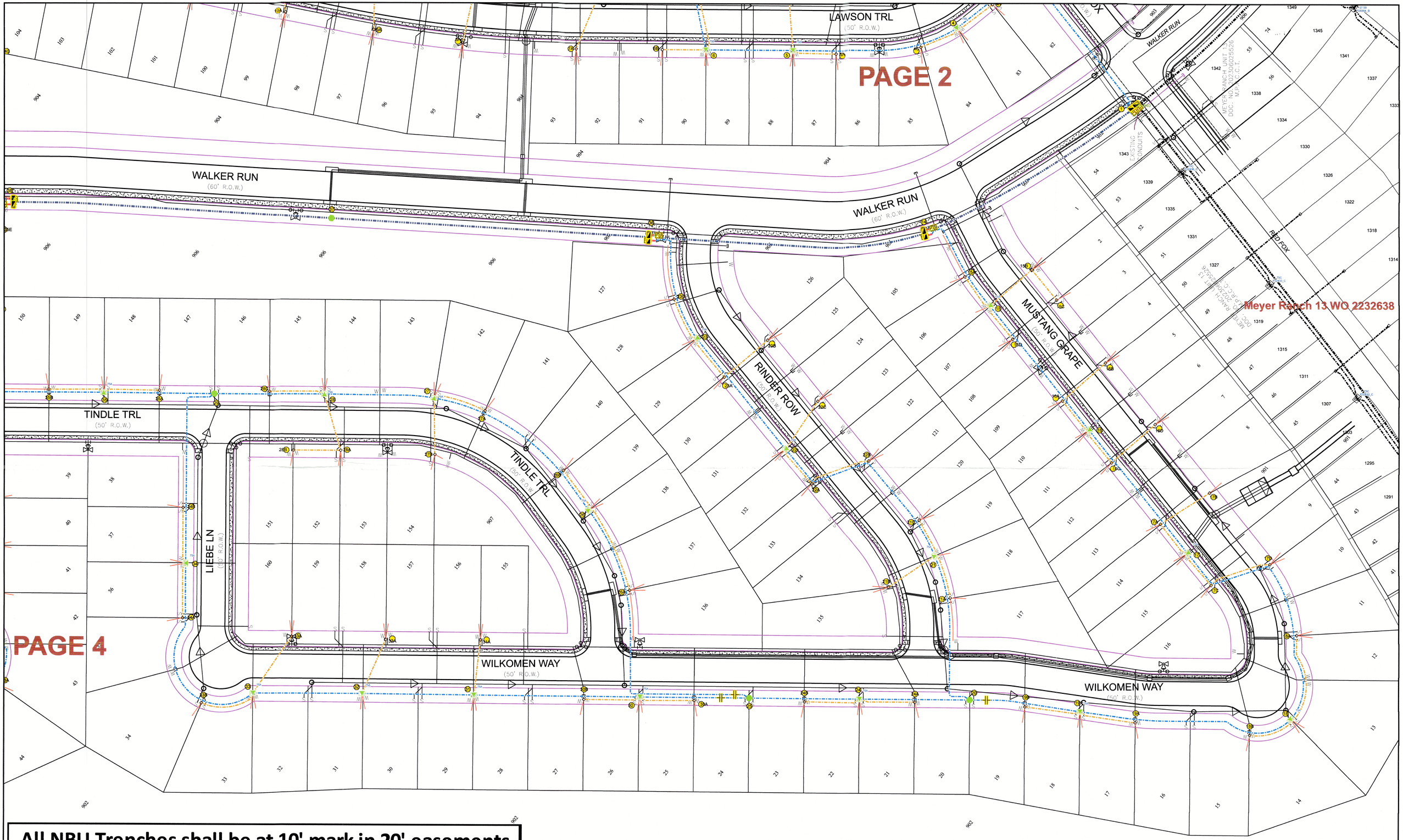
All NBU Primary shall be at 72" minimum and all NBU Secondary shall be at 42" minimum

All NBU Trenches shall be at 10' mark in 20' easements

All NBU Equipment is in 20' U.E. unless otherwise stated

NBU	ELECTRIC ENGINEERING 355 FM 306 NEW BRAUNFELS, TEXAS. 78130 830-608-8951	NOTES		PROJ TITLE / LOCATION: Meyer Ranch Unit 16
		OPS COMP BY/ DATE	ENG APPR BY / DATE	PROJ DESC: Underground Extension for Subdivision
GAS	ELE	W	AT&T TRS	SCALE: 1 inch = 50 feet
AT&T	PRIVATE	WW	SPECTRUM TRS	PROJECT No: 1-C09EXT
SPECTRUM	OTHER	OTHER	OTHER TRS	PAGE 2 OF 5

REV NO	REV DATE	ISSUE DATE
1	/ /	3/11/25
2	/ /	TECH: Conrad F
3	/ /	WO#: 261433

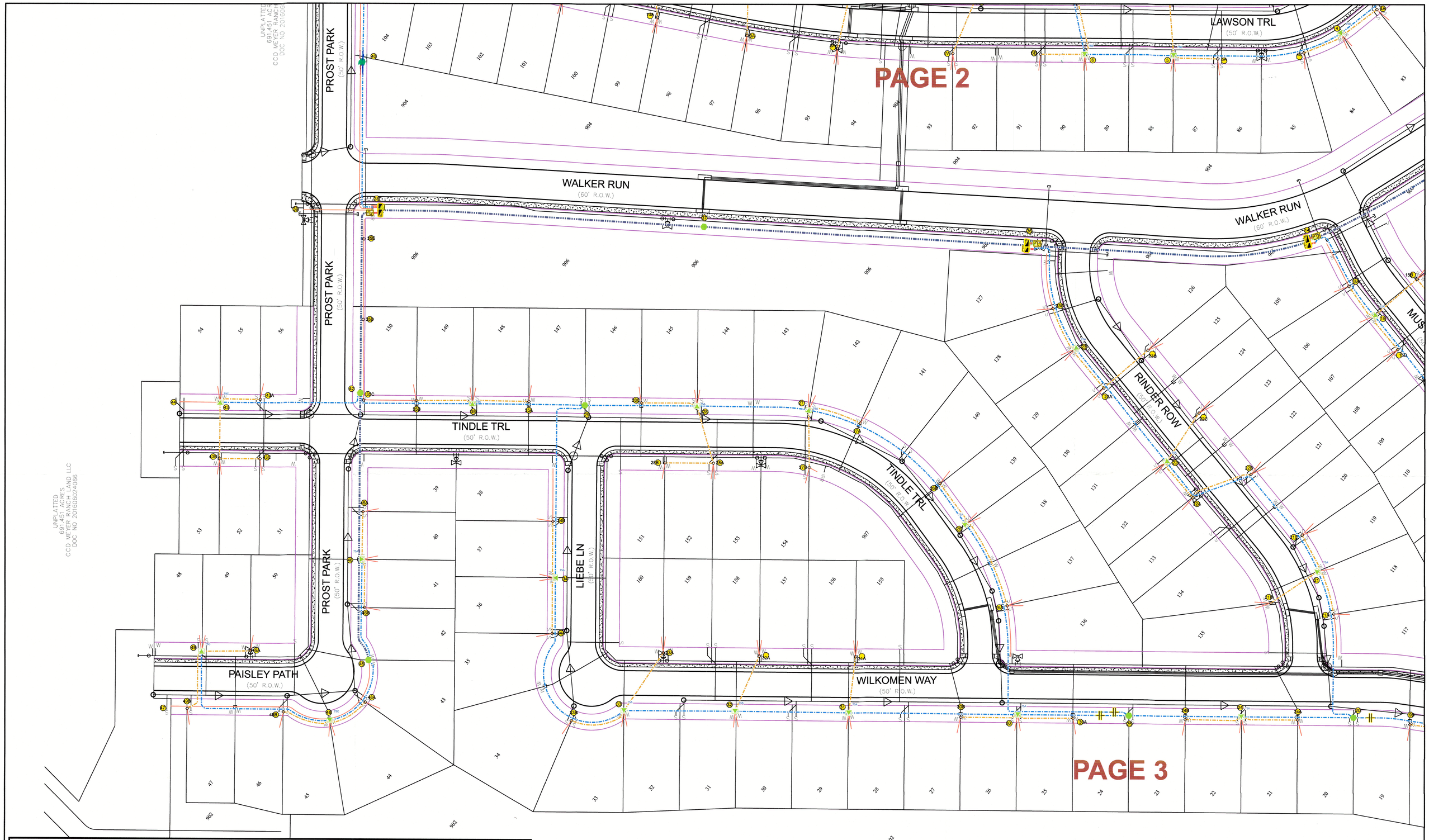


All NBU Trenches shall be at 10' mark in 20' easements

All NBU Primary shall be at 72" minimum and all NBU Secondary shall be at 42" minimum

All NBU Equipment is in 20' U.E. unless otherwise stated

NBU	ELECTRIC ENGINEERING 555 FM 306 NEW BRAUNFELS, TEXAS. 78130 830-608-8951	NOTES		PROJ TITLE / LOCATION: Meyer Ranch Unit 16	
		GPS COMP BY/ DATE	ENG APR BY / DATE	PROJ DESC: Underground Extension for Subdivision	
GAS	ELE	W	AT&T TRS	SCALE: 40scale = 50 feet	REV NO / REV DATE / ISSUE DATE: 3/11/25
AT&T	PRIVATE	WW	SPECTRUM TRS	PROJECT No: 1-C09EXT	TECH: Conrad F
SPECTRUM	OTHER	OTHER	OTHER TRS	PAGE 3 OF 5	WO#: 261433



All NBU Trenches shall be at 10' mark in 20' easements

All NBU Primary shall be at 72" minimum and all NBU Secondary shall be at 42" minimum

All NBU Equipment is in 20' U.E. unless otherwise stated

HERITAGE OAKS – UNIT 2 , LOT 15
DOC. NO. 423378

NBU	ELECTRIC ENGINEERING 355 FM 306 NEW BRAUNFELS, TEXAS. 78130 830-608-8951	NOTES		PROJ TITLE / LOCATION: Meyer Ranch Unit 16	
		OPS COMP BY/ DATE	ENG APPR BY / DATE	PROJ DESC: Underground Extension for Subdivision	
GAS	ELE	W	AT&T TRS	SCALE: 1 inch = 50 feet	REV NO / REV DATE / ISSUE DATE: 3/11/25
AT&T	PRIVATE	WW	SPECTRUM TRS	PROJECT No: 1-C09EXT	TECH: Conrad F
SPECTRUM	OTHER	OTHER	OTHER TRS	PAGE 4 OF 5	WO#: 261433

WL#	WORK FUNCTION	INSTRUCTION
1	NBU Install	(200 FT) 1/0 AL UG 1ϕ Primary to WL #2 (Bϕ)
		(310 FT) 1000 MCM AL UG 3ϕ Primary to WL #14
		(1) 65A E-Type Switchgear Fuse (Bϕ)
	NBU Note	Existing Switchgear #840
	Contractor Install	(1) 3" Primary UG Conduit to WL #2 (Bϕ, per NBU spec EU-910); intercept existing stubout
		(4) 4" Primary UG Conduits to WL #14 (per NBU spec EU-910); intercept existing stubouts
2	NBU Install	3 Place Single Phase Pimary Pullbox
		(90 FT) 1/0 AL UG 1ϕ Primary to WL #3 (Bϕ)
		(120 FT) 1/0 AL UG 1ϕ Primary to WL #4 (Bϕ)
	Contractor Install	3 Place Single Phase Pimary Pullbox Foundation (per NBU spec EU-330)
		(1) 3" Primary UG Conduit to WL #3 (per NBU spec EU-910)
		(1) 3" Primary UG Conduit to WL #4 (per NBU spec EU-910)
3	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Bϕ)
		(65 FT) 350 MCM AL UG TPX to WL #3A
		(50 FT) 350 MCM AL UG TPX to WL #3B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Secondary UG Conduit to WL #3A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #3B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
3A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
3B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
4	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Bϕ)
		(215 FT) 1/0 AL UG 1ϕ Primary to WL #5 (Bϕ)
		(55 FT) 350 MCM AL UG TPX to WL #4A
		(55 FT) 350 MCM AL UG TPX to WL #4C
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #5 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #4A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #4C (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
4A	NBU Install	(80 FT) 350 MCM AL UG TPX to WL #4B
	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit to WL #4B (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
4B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
4C	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
5	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Bϕ)
		(110 FT) 1/0 AL UG 1ϕ Primary to WL #6 (Bϕ)
		(55 FT) 350 MCM AL UG TPX to WL #5A
		(70 FT) 350 MCM AL UG TPX to WL #5B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #6 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #5A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #5C (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
5A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
5B	NBU Install	(60 FT) 350 MCM AL UG TPX to WL #5C
	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit to WL #5C (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
5C	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
6	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Bϕ)
		(190 FT) 1/0 AL UG 1ϕ Primary to WL #7 (Bϕ)
		(70 FT) 350 MCM AL UG TPX to WL #6A
		(55 FT) 350 MCM AL UG TPX to WL #6B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #7 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #4A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #4C (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
6A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
6B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
7	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Bϕ)
		(160 FT) 1/0 AL UG 1ϕ Primary to WL #8 (Bϕ)
		(75 FT) 350 MCM AL UG TPX to WL #7A
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #8 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #7A (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
7A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
8	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Bϕ)
		(130 FT) 1/0 AL UG 1ϕ Primary to WL #9 (Bϕ)
		(70 FT) 350 MCM AL UG TPX to WL #8A
		Primary Open Point
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #9 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #8A (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
8A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
9	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Bϕ)
		(125 FT) 1/0 AL UG 1ϕ Primary to WL #10 (Bϕ)
		(70 FT) 350 MCM AL UG TPX to WL #9A
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #10 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #9A (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
9A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
10	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Bϕ)
		(120 FT) 1/0 AL UG 1ϕ Primary to WL #11 (Bϕ)
		(75 FT) 350 MCM AL UG TPX to WL #10A
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #11 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #10A (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
10A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
11	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Bϕ)
		(120 FT) 1/0 AL UG 1ϕ Primary to WL #12 (Bϕ)
		(75 FT) 350 MCM AL UG TPX to WL #11A
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #12 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #11A (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
11A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
12	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Bϕ)
		(125 FT) 1/0 AL UG 1ϕ Primary to WL #13 (Bϕ)
		(75 FT) 350 MCM AL UG TPX to WL #12A
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #13 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #12A (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
12A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
13	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Bϕ)
		(75 FT) 350 MCM AL UG TPX to WL #13A
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Secondary UG Conduit to WL #13A (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
13A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
14	NBU Install	PSE9 Padmount Switchgear (2-Gang, 6-1ϕ Fuses)*
		*(1) 65A E Type Switchgear Fuse (Aϕ)
		Switch # 952
		(135 FT) 1/0 AL UG 1ϕ Primary to WL #15 (Aϕ)
		(355 FT) 1000 MCM AL UG 3ϕ Primary to WL #36
		(5) 200A Primary Arrestor Elbows
	Contractor Install	PSE9 Padmount Switchgear Foundation (per NBU spec)
		(1) 3" Primary UG Conduit to WL #15 (Aϕ, per NBU spec EU-910)
		(4) 4" Primary UG Conduits to WL #36 (per NBU spec EU-910)
		(5) 3" Primary UG Conduit stubouts (per NBU spec EU-910); coordinate with NBU inspector on best routing arrangements
15	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(200 FT) 1/0 AL UG 1ϕ Primary to WL #16 (Aϕ)
		(50 FT) 350 MCM AL UG TPX to WL #15A
		(70 FT) 350 MCM AL UG TPX to WL #15B
		(50 FT) 350 MCM AL UG TPX to WL #15D
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #16 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #15A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #15B (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #15D (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
15A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
15B	NBU Install	(50 FT) 350 MCM AL UG TPX to WL #15C
	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit to WL #15C (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
15C	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
15D	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
16	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(200 FT) 1/0 AL UG 1ϕ Primary to WL #17 (Aϕ)
		(50 FT) 350 MCM AL UG TPX to WL #16A
		(50 FT) 350 MCM AL UG TPX to WL #16C
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #17 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #16A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #16C (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
16A	NBU Install	(70 FT) 350 MCM AL UG TPX to WL #16B
	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit to WL #16B (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
16B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
16C	NBU Install	(70 FT) 350 MCM AL UG TPX to WL #16D
	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit to WL #16D (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
16D	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
17	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(330 FT) 1/0 AL UG 1ϕ Primary to WL #18 (Aϕ)
		(50 FT) 350 MCM AL UG TPX to WL #17A
		(50 FT) 350 MCM AL UG TPX to WL #17C
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #18 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #17A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #17C (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
17A	NBU Install	(70 FT) 350 MCM AL UG TPX to WL #17B
	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit to WL #17B (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
17B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
17C	NBU Install	(75 FT) 350 MCM AL UG TPX to WL #17D
	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit to WL #17D (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
17D	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
18	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(275 FT) 1/0 AL UG 1ϕ Primary to WL #19 (Aϕ)
		(115 FT) 350 MCM AL UG TPX to WL #18A
		(60 FT) 350 MCM AL UG TPX to WL #18B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #19 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #18A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #18B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
18A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
18B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
19	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(140 FT) 1/0 AL UG 1ϕ Primary to WL #20 (Aϕ)
		(70 FT) 350 MCM AL UG TPX to WL #19A
		(70 FT) 350 MCM AL UG TPX to WL #19B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #20 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #19A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #19B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
19A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
19B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
20	NBU Install	3 Place Single Phase Pimary Pullbox
		(205 FT) 1/0 AL UG 1ϕ Primary to WL #21 (Aϕ)
		(140 FT) 1/0 AL UG 1ϕ Primary to WL #24 (Aϕ)
		Primary Open Point
	Contractor Install	3 Place Single Phase Pimary Pullbox Foundation (per NBU spec EU-330)
		(1) 3" Primary UG Conduit to WL #21 (per NBU spec EU-910)
		(1) 3" Primary UG Conduit to WL #24 (per NBU spec EU-910)
21	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(275 FT) 1/0 AL UG 1ϕ Primary to WL #22 (Aϕ)
		(60 FT) 350 MCM AL UG TPX to WL #21A
		(70 FT) 350 MCM AL UG TPX to WL #21B
		(50 FT) 350 MCM AL UG TPX to WL #21C
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #22 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #21A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #21B (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #21C(per NBU spec EU-910)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
21A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
21B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
21C	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
22	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(180 FT) 1/0 AL UG 1ϕ Primary to WL #23 (Aϕ)
		(55 FT) 350 MCM AL UG TPX to WL #22A
		(75 FT) 350 MCM AL UG TPX to WL #22C
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #23 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #22A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #22C (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
22A	NBU Install	(75 FT) 350 MCM AL UG TPX to WL #22B
	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit to WL 22B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
22B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
22C	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
23	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(60 FT) 350 MCM AL UG TPX to WL #23A
		(60 FT) 350 MCM AL UG TPX to WL #23C
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Secondary UG Conduit to WL #23A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #23C (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
23A	NBU Install	(70 FT) 350 MCM AL UG TPX to WL #23B
	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit to WL 23B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
23B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
23C	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
24	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(140 FT) 1/0 AL UG 1ϕ Primary to WL #25 (Aϕ)
		(70 FT) 350 MCM AL UG TPX to WL #24A
		(70 FT) 350 MCM AL UG TPX to WL #24B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #25 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #24A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #24B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
24A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
24B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
25	NBU Install	3 Place Single Phase Pimary Pullbox
		(395 FT) 1/0 AL UG 1ϕ Primary to WL #26 (Aϕ)
		(140 FT) 1/0 AL UG 1ϕ Primary to WL #30 (Aϕ)
		(2) Primary Open Points
	Contractor Install	3 Place Single Phase Pimary Pullbox Foundation (per NBU spec EU-330)
		(1) 3" Primary UG Conduit to WL #26 (per NBU spec EU-910)
		(1) 3" Primary UG Conduit to WL #30 (per NBU spec EU-910)
26	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(250 FT) 1/0 AL UG 1ϕ Primary to WL #27 (Aϕ)
		(115 FT) 350 MCM AL UG TPX to WL #26A
		(60 FT) 350 MCM AL UG TPX to WL #26B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #27 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #26A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #26B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
26A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(3) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
26B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
27	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(140 FT) 1/0 AL UG 1ϕ Primary to WL #28 (Aϕ)
		(65 FT) 350 MCM AL UG TPX to WL #27A
		(70 FT) 350 MCM AL UG TPX to WL #27B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #28 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #27A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #27B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
27A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
27B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
28	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(140 FT) 1/0 AL UG 1ϕ Primary to WL #29 (Aϕ)
		(75 FT) 350 MCM AL UG TPX to WL #28A
		(70 FT) 350 MCM AL UG TPX to WL #28C
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #29 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #28A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #28C (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
28A	NBU Install	(60 FT) 350 MCM AL UG TPX to WL #28B
	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit to WL 28B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
28B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
28C	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
29	NBU Install	3 Place Single Phase Pimary Pullbox
		(140 FT) 1/0 AL UG 1ϕ Primary to WL #35 (Aϕ)
	Contractor Install	3 Place Single Phase Pimary Pullbox Foundation (per NBU spec EU-330)
		(1) 3" Primary UG Conduit to WL #35 (per NBU spec EU-910)
30	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(210 FT) 1/0 AL UG 1ϕ Primary to WL #31 (Aϕ)
		(70 FT) 350 MCM AL UG TPX to WL #30A
		(70 FT) 350 MCM AL UG TPX to WL #30B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #31 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #30A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #30B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
30A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
30B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
31	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(140 FT) 1/0 AL UG 1ϕ Primary to WL #32 (Aϕ)
		(70 FT) 350 MCM AL UG TPX to WL #31A
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #32 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #31A (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
31A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
32	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(140 FT) 1/0 AL UG 1ϕ Primary to WL #33 (Aϕ)
		(75 FT) 350 MCM AL UG TPX to WL #32A
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #33 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #32A (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
32A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
33	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(260 FT) 1/0 AL UG 1ϕ Primary to WL #34 (Aϕ)
		(90 FT) 350 MCM AL UG TPX to WL #33A
		(70 FT) 350 MCM AL UG TPX to WL #33B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #34 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #33A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #33B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
33A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
33B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
34	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(250 FT) 1/0 AL UG 1ϕ Primary to WL #29 (Aϕ)
		(70 FT) 350 MCM AL UG TPX to WL #34A
		(70 FT) 350 MCM AL UG TPX to WL #34B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit to WL #29 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #34A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #34B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
34A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
34B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
35	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(70 FT) 350 MCM AL UG TPX to WL #35A
		(70 FT) 350 MCM AL UG TPX to WL #35B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Secondary UG Conduit to WL #35A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #35B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
35A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
35B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit to WL #35C (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
35C	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit to WL #35D (per NBU spec EU-910)
35D	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit to WL #35E (per NBU spec EU-910)
35E	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
36	NBU Install	PSE9 Padmount Switchgear (2-Gang, 6-1ϕ Fuses)*
		*(1) 65A E Type Switchgear Fuse (Aϕ)
		Switch # 953
		(155 FT) 1/0 AL UG 1ϕ Primary to WL #23 (Aϕ)
		(405 FT) 1000 MCM AL UG 3ϕ Primary to WL #37
		(5) 200A Primary Arrestor Elbows
	Contractor Install	PSE9 Padmount Switchgear Foundation (per NBU spec)
		(1) 3" Primary UG Conduit to WL #23 (Aϕ, per NBU spec EU-910)
		(4) 4" Primary UG Conduits to WL #37 (per NBU spec EU-910)
		(5) 3" Primary UG Conduit stubouts (per NBU spec EU-910); coordinate with NBU inspector on best routing arrangements
37	NBU Install	Three Phase 600A Three Place Primary Pullbox
		(405 FT) 1000 MCM AL UG 3ϕ Primary to WL #38
	Contractor Install	Three Phase 600A Three Place Primary Pullbox Foundation (per NBU spec EU-325)
		(4) 4" Primary UG Conduits to WL #38 (per NBU spec EU-910)
38	NBU Install	PSE9 Padmount Switchgear (2-Gang, 2-3ϕ Fuses)*
		*(1) 65A E Type Switchgear Fuse (Bϕ)
		*(3) 140A K-Type Switchgear Fuses
		Switch # 954
		(200 FT) 1/0 AL UG 1ϕ Primary to WL #40 (Bϕ)
		(240 FT) 4/0 AL UG 3ϕ Primary to WL #42
		(2) 200A Primary Arrestor Elbows
	Contractor Install	PSE9 Padmount Switchgear Foundation (per NBU spec)
		(2) 3" Primary UG Conduits to WL #40 (Bϕ, Cϕ, per NBU spec EU-910)
		(3) 3" Primary UG Conduits to WL #42 (per NBU spec EU-910)
		(4) 4" Primary UG Conduits to WL #39 (per NBU spec EU-910)
		(1) 3" Primary UG Conduit stubout (Aϕ, per NBU spec EU-910); coordinate with NBU inspector on best routing arrangements
39	NBU Note	End of Property
40	NBU Install	Three Phase 200A Three Place Primary Pullbox
		(200 FT) 1/0 AL UG 1ϕ Primary to WL #13 (Bϕ)
	Contractor Install	Three Phase 200A Three Place Primary Pullbox Foundation (per NBU spec EU-325)
		(1) 3" Primary UG Conduit to WL #13 (Bϕ, per NBU spec EU-910)
		(1) 3" Primary UG Conduit stubout to WL #41 (Cϕ, per NBU spec EU-910)
41	NBU Note	End of Property
42	NBU Install	Three Phase 200A Three Place Primary Pullbox
		(335 FT) 4/0 AL UG 3ϕ Primary to WL #45
		(150 FT) 1/0 AL UG 1ϕ Primary to WL #35 (Aϕ)
		(185 FT) 1/0 AL UG 1ϕ Primary to WL #43 (Cϕ)
	Contractor Install	Three Phase 200A Three Place Primary Pullbox Foundation (per NBU spec EU-325)
		(3) 3" Primary UG Conduits to WL #45 (per NBU spec EU-910)
		(1) 3" Primary UG Conduit to WL #35 (Aϕ, per NBU spec EU-910)
		(1) 3" Primary UG Conduit sto WL #43 (Cϕ, per NBU spec EU-910)
43	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Cϕ)
		(50 FT) 350 MCM AL UG TPX to WL #43A
		(70 FT) 350 MCM AL UG TPX to WL #43B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit Stubout to WL #44 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #28A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #28C (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
43A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
43B	NBU Install	(50 FT) 350 MCM AL UG TPX to WL #43C
	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit to WL 43C (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
43C	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
44	NBU Note	End of Property
45	NBU Install	Three Phase 200A Three Place Primary Pullbox
		(130 FT) 1/0 AL UG 1ϕ Primary to WL #46 (Aϕ)
		(100 FT) 1/0 AL UG 1ϕ Primary to WL #48 (Cϕ)
	Contractor Install	Three Phase 200A Three Place Primary Pullbox Foundation (per NBU spec EU-325)
		(3) 3" Primary UG Conduit Stubouts to WL #47 (per NBU spec EU-910)
		(1) 3" Primary UG Conduit to WL #46 (Aϕ, per NBU spec EU-910)
		(1) 3" Primary UG Conduit sto WL #48 (Cϕ, per NBU spec EU-910)
46	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Aϕ)
		(60 FT) 350 MCM AL UG TPX to WL #46A
		(60 FT) 350 MCM AL UG TPX to WL #46B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Secondary UG Conduit to WL #46A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #46B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
46A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
46C	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
47	NBU Note	End of Property
48	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Cϕ)
		(230 FT) 1/0 AL UG 1ϕ Primary to WL #49 (Cϕ)
		(45 FT) 350 MCM AL UG TPX to WL #48A
		(60 FT) 350 MCM AL UG TPX to WL #48B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Primary UG Conduit sto WL #49 (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #48A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #48B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
48A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
48B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
49	NBU Install	75 KVA 120/240V 1ϕ Padmount Transformer (Cϕ)
		(60 FT) 350 MCM AL UG TPX to WL #49A
		(85 FT) 350 MCM AL UG TPX to WL #49B
	Contractor Install	Single Phase Padmount Transformer Foundation (per NBU spec EU-530)
		(1) 3" Secondary UG Conduit to WL #49A (per NBU spec EU-910)
		(1) 3" Secondary UG Conduit to WL #49B (per NBU spec EU-910)
		(2) 3" Secondary UG Conduit Stubouts (per NBU spec EU-910)
49A	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)
49B	Contractor Install	Secondary Pullbox (per NBU spec EU-210)
		(1) 3" Secondary UG Conduit Stubout (per NBU spec EU-910)

All NBU Primary shall be at 72" minimum and all NBU Secondary shall be at 42" minimum

All NBU Trenches shall be at 10' mark in 20' easements

All NBU Equipment is in 20' U.E. unless otherwise stated

Conductor	Length (FT)
1000 MCM AL UG Primary	4665
4/0 AL UG Primary	1860
1/0 AL UG Primary	8290
350 MCM AL UG TPX	5310

NBU

ELECTRIC ENGINEERING
355 FM 306
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GAS	ELE	W	NOTES	PROJ TITLE / LOCATION: Meyer Ranch Unit 16
AT&T	PRIVATE	WW	OPS COMP BY/ DATE	ENG APR BY / DATE: 3/27/25
SPECTRUM	OTHER	OTHER	AT&T TRS	SCALE: 1 inch = 66.67 feet
			SPECTRUM TRS	PROJECT No: 1-C09EXT
			OTHER TRS	PAGE: 5 OF 5
PROJ DESC: Callouts	REV NO	REV DATE	ISSUE DATE: 3/11/25	
	1	/ /	TECH: Conrad F	
	2	/ /	WO#: 261433	
	3	/ /		