

NBU CONSTRUCTION NOTATIONS ON UNDERGROUND PROJECT PLAN SET DWGS:

* ALL NEW NBU INFRASTRUCTURE INSTALLED IN RESPECTIVE UTILITY EASEMENT AREAS AS NOTED ON PROJECT DWG
* LINES NOTED ON PROJECT DRAWING FOR CONSTRUCTION REFERENCE PURPOSES ONLY

TERMS AND CONDITIONS

1. All locations of property lines, property pins, P.C. and P.T. and other related points shall be the responsibility of the contractor during the construction phase of utilities.
2. If after final lot pin placement any electric equipment is not in the correct location, the responsibility of relocation shall be the contractor/developer to correct the situation.
3. Street light location shall be dependent on location of sidewalk.
4. NBU electric ditch line shall be 3/5' from front property line as per NBU Electric Inspector approval.
5. All final grades shall be the responsibility of developer/contractor to verify before pouring of all foundations for NBU electric equipment.
6. Any changes to design shall be coordinated with and okayed by NBU Electric Engineering Dept.

DISTANCES NOTED ON THE DWG ARE POINT TO POINT
== DOES NOT INCLUDE "UP" & "DOWN" ROUTING OF PVC IN AND OUT OF ELECTRIC EQUIPMENT (XFMR'S, PRIMARY ENCLOSURES, SECONDARY ENCLOSURES, ETC.)

****DISTANCES DO NOT ACCOUNT FOR ANY CHANGE OF DIRECTION OF DITCHLINE, IF NEEDED, DURING FIELD INSTALLATION OF THE PVC DUCT BANK

* ALL CONSTRUCTION NOTATIONS ON PROJECT DWG HAVE BEEN COORDINATED WITH AND APPROVED AS PER NBU ELECTRICAL ENGINEERING DEPT.

**ALL KNOWN AREA COMMUNICATION PROVIDERS WERE REQUESTED TO LOCATE THEIR RESPECTIVE FACILITIES. SOME DID NOT COMPLY AND SOME GAVE AN INCOMPLETE RESPONSE.

** ACCORDINGLY, THE DRAWINGS ONLY DEPICT THE INFORMATION THAT WAS TRANSFERRED VIA THE LINE LOCATE REQUESTS. THEREFORE, THE INFORMATION REGARDING THE COMMUNICATION FACILITIES IS INCOMPLETE

* ACTUAL LOCATION OF UNDERGROUND ELECTRIC INFRASTRUCTURE UNKNOWN, NEED TO FIELD VERIFY & COORDINATE WITH NBU.

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*** NBU ELECTRIC DUCT BANK WILL BE LOCATED - 3' (FT) - FROM FRONT PROPERTY LINE.

* ALL WATER METER STUB OUTS AND WASTEWATER STUBOUTS SHALL BE 5' OFF SIDE LOT LINE ALIGNMENTS.

** IF THE PRIMARY ENCLOSURE LOCATION / ORIENTATION AS SHOWN ON PROJECT DRAWING IS ROTATED DUE TO FIELD CONFLICT -- THE RESPECTIVE PRIMARY ENCLOSURE CONDUIT ELBOWS WILL NEED TO FOLLOW THE SAME UPDATED ANGLE ORIENTATION

*** NBU ELECTRIC LAYOUT DESIGN AS NOTED ON THESE PROJECT SHEETS ARE FOR -- CONSTRUCTION / REFERENCE USE ONLY == NOT TO BE USED FOR FIELD STAKING AND/OR ANY OTHER RELATED SCOPE OF WORK

*** Trees must be planted no closer than 5' edge to edge to any buried electric line, so this means trees need to be centered no closer than 9' to the front property line for typical 200 Amp infrastructure areas.

ALL NON - NBU UD ELECTRIC INFRASTRUCTURE (GAS - WATER - SEWER - ETC.) NOTED ON PROJECT PLAN SET DWG PROVIDED BY OTHERS.

***ALL UD SECONDARY STUB OUTS WILL BE 3" PVC IN SIZE AND MINIMUM 10' (FT.) IN LENGTH TO BACK EDGE OF EASEMENT.

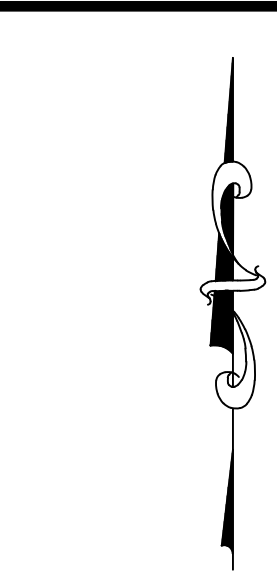
CONDUCTOR			
INSTALLED			
4/0 UD PRIMARY JACKETED CONDUCTOR (3 - PHASE)	3	=	7200
1/0 UD PRIMARY JACKETED CONDUCTOR (SINGLE PHASE)	1	=	6680
350 MCM UD TPX SECONDARY CONDUCTOR (SINGLE PHASE)	1	=	6320
#12 UF UD SECONDARY CONDUCTOR	1	=	4830
ELECTRIC EQUIPMENT			
INSTALLED			
50 KVA PADMOUNT XFMR	8		
75 KVA PADMOUNT XFMR	20		
100 KVA PADMOUNT XFMR	1		
UD SECONDARY ENCLOSURE	85		
4 - PLACE 3 - PHASE 200 AMP PRIMARY ENCLOSURE	2		
3 - PLACE 3 - PHASE 200 AMP PRIMARY ENCLOSURE	5		
1 - PLACE 3 - PHASE 200 AMP PRIMARY ENCLOSURE	1		
"LED" ALUMINUM STREET LIGHT STANDARD - 29"	34		

UNIT	LOTS PER PHASE	MAYFAIR	"B" PHASE	"C" PHASE	# OF LOTS
E-6	56	61	78	195	
E-8 PHASE 1	63	68	60	191	
E-8 PHASE 2	18	31	45	94	
E-12	52	18	15	85	
E-9N	82	52	40	183	
TOTAL	271	230	247	748	

UD LEGEND

GREEN = EXISTING
BLUE = NEW
RED = REMOVE

- SECONDARY ENCLOSURE W/ STUBOUT
- KVA TRANSFORMER W/ STUBOUT
- PRI PULL BOX WITH 3 OR 4 PLACE MOLD
- METAL POLE
- ANTIQUE STREET LIGHT
- STREET LIGHT
- 30 1/0 PRIMARY AND/OR 4/0 PRIMARY
- 10 1/0 PRIMARY
- 500 SECONDARY
- 350 SECONDARY
- 1/0 SECONDARY
- 4/0 SECONDARY
- STREET LIGHT CIRCUIT; 1 1/4" C WITH #12 UF
- 30 PRIMARY STUB OUT
- 10 PRIMARY STUB OUT



SCALE (FEET)
SHEET SIZE: 24" X 36"

**** INSTALL PRIMARY ELBOW ARRESTORS IN ALL PADMOUNT TRANSFORMERS AND PRIMARY ENCLOSURES THAT ARE AT THE END OF RADIAL FEEDS ***

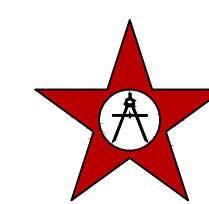
****FINAL LOCATION OF UNDERGROUND INFRASTRUCTURE (XFMR'S, PVC DUCT BANK, ETC) WILL BE COORDINATED WITH AND APPROVED AS PER NBU INSPECTOR

NBU ELECTRIC DUCTBANK FINAL LOCATION SCENARIOS: (TOTAL RANGE IS == 3' (FT.) TO 10' (FT.))

1. TYPICAL ARRANGEMENT FOR DUCTBANK LOCATION IS == 3' (FT.)
2. IF 600 AMP EQUIPMENT INSTALLED - DUCTBANK LOCATION IS == 5' (FT.)
3. IF THERE'S WATER SYSTEMS IN THE FRONT UTILITY EASEMENT - DUCTBANK LOCATION IS == 10' (FT.)

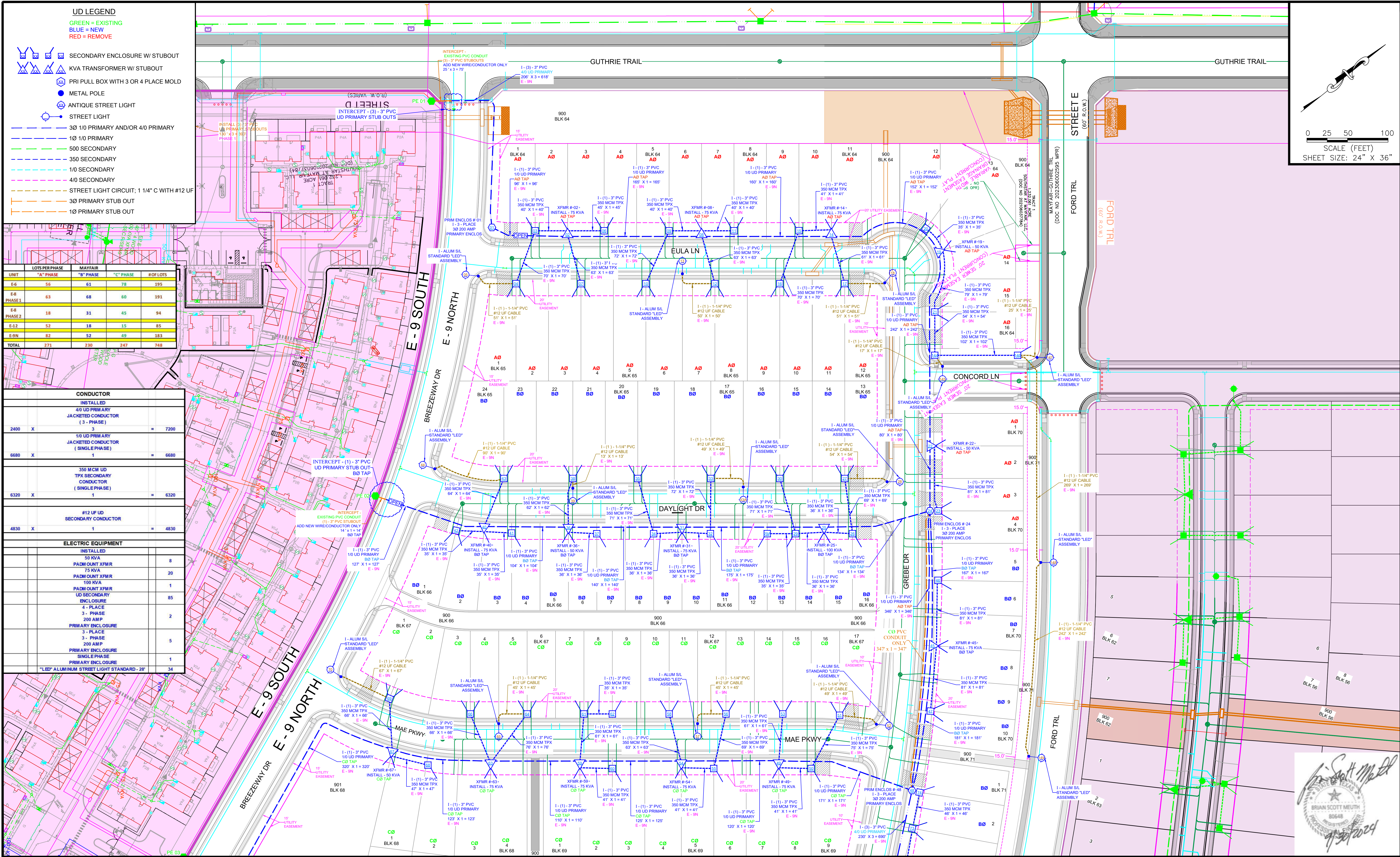
Brian Scott Meuth
BRIAN SCOTT MEUTH
9/20/2024

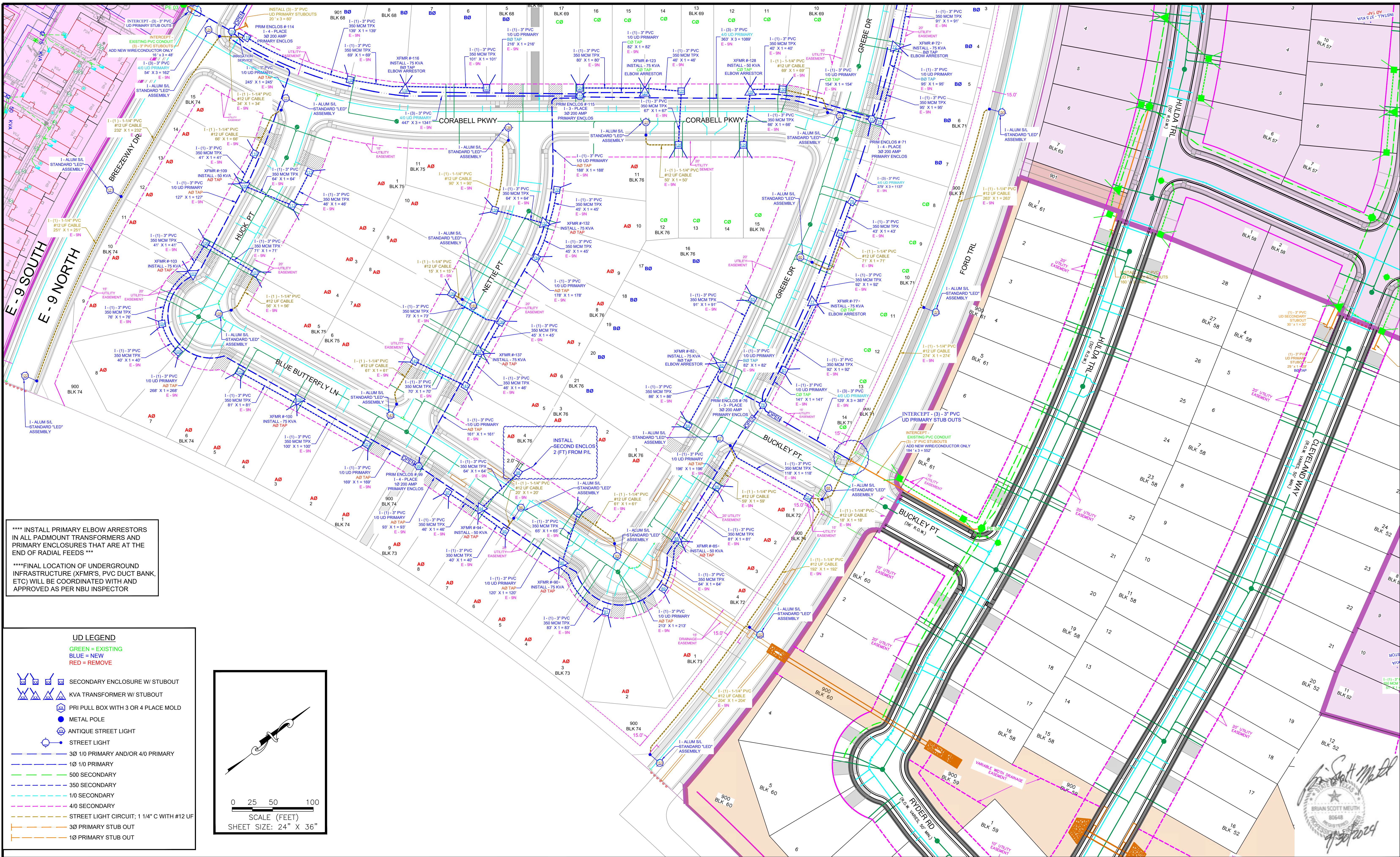
*** THE QUANTITIES SHOWN ON THE PLANS AND THE BID DOCUMENTS ARE ESTIMATED QUANTITIES AND BASED ON THE PLAN SET AND TO BE USED FOR BIDDING PURPOSE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL QUANTITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESOLVE ANY PERCEIVED DISCREPANCIES IN THE QUANTITIES WITH THE OWNER PRIOR BEGINNING ANY CONSTRUCTION WORK.



M&S ENGINEERING
CIVIL | ELECTRICAL | STRUCTURAL | MEP
TEXAS REGISTERED ENGINEERING FIRM
F-1394

ELECTRIC ENGINEERING		NOTES		PROJECT LOCATION	
DATE: 9/24/2024	BY: J. KRAUSE	REVISION: 1	DESCRIPTION: OVERVIEW	E - 9N NORTH MAYFAIR GLO EAST	
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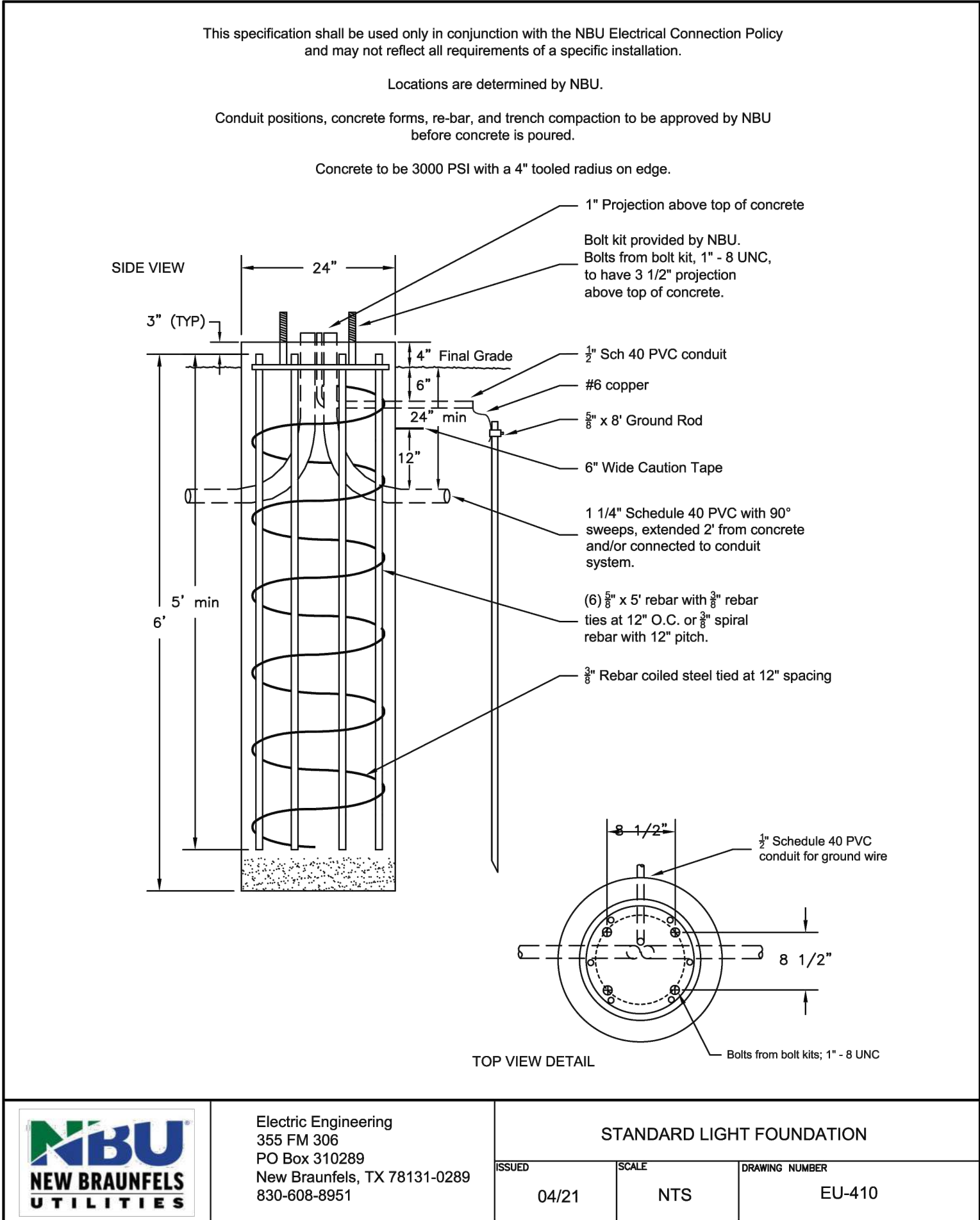
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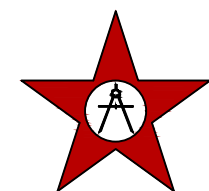
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SPECIFIC NBU STANDARD DETAILS AND/OR SPECIFICATIONS, AS REFERENCED IN THIS PLAN SET, HAVE BEEN REVIEWED AND AUTHORIZED BY USE FOR THIS PROJECT UNDER THE AUTHORITY OF BRIAN SCOTT MEUTH, TEXAS PE #80648. FOR FULL NBU STANDARD DETAILS AND SPECIFICATIONS, VISIT THEIR WEBSITE AT NBUTEXAS.COM

BRIAN SCOTT MEUTH
80648
9/20/2024

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TEXAS REGISTERED ENGINEERING FIRM
F-1394

ELECTRIC ENGINEERING		NOTES		PROJECT LOCATION	
355 FM 306 P.O. BOX 310289 NEW BRAUNFELS, TEXAS, 78131 830-608-8951		NEW CAMP PROJECT		E - 9N NORTH MAYFAIR GLO EAST	
DATE CL	DES. CL	PHONE NO.	SCALE	REV. NO.	REV. BY
			N.T.S.		
REVISION CL	DATE	DESCRIPTION	REVISION	DATE	BY
		104, 105			J. KRAUSE
DATE CL	REV. CL	PROJECT NO.	PAGE	4 OF 7	207758

Date: 10/2/2024 1:17 PM User: JUSTIN KRAUSE
File: T:\NBU\FY 2022\OH\NORTH MAYFAIR GLO-EAST\7 E - 9N NORTH MAYFAIR GLO EAST.DWG

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PROJECT INFORMATION		PROJECT INFORMATION		PROJECT INFORMATION	
ELECTRIC ENGINEERING		E - 9N NORTH MAYFAIR GLO EAST		PROJECT NO.	
305 FM 306 P.O. BOX 310289 NEW BRAUNFELS, TEXAS 78131 830-608-8551		SCALE		DATE	
NBU		N.T.S.		9/24/2024	
DATE		BY		J. KRAUSE	
104_105		PAGE		207758	
1-C09EXT		6 OF 7			

Brian Scott Meuth
BRIAN SCOTT MEUTH
REGISTERED PROFESSIONAL ENGINEER
9/30/2024

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