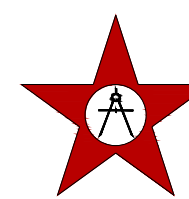
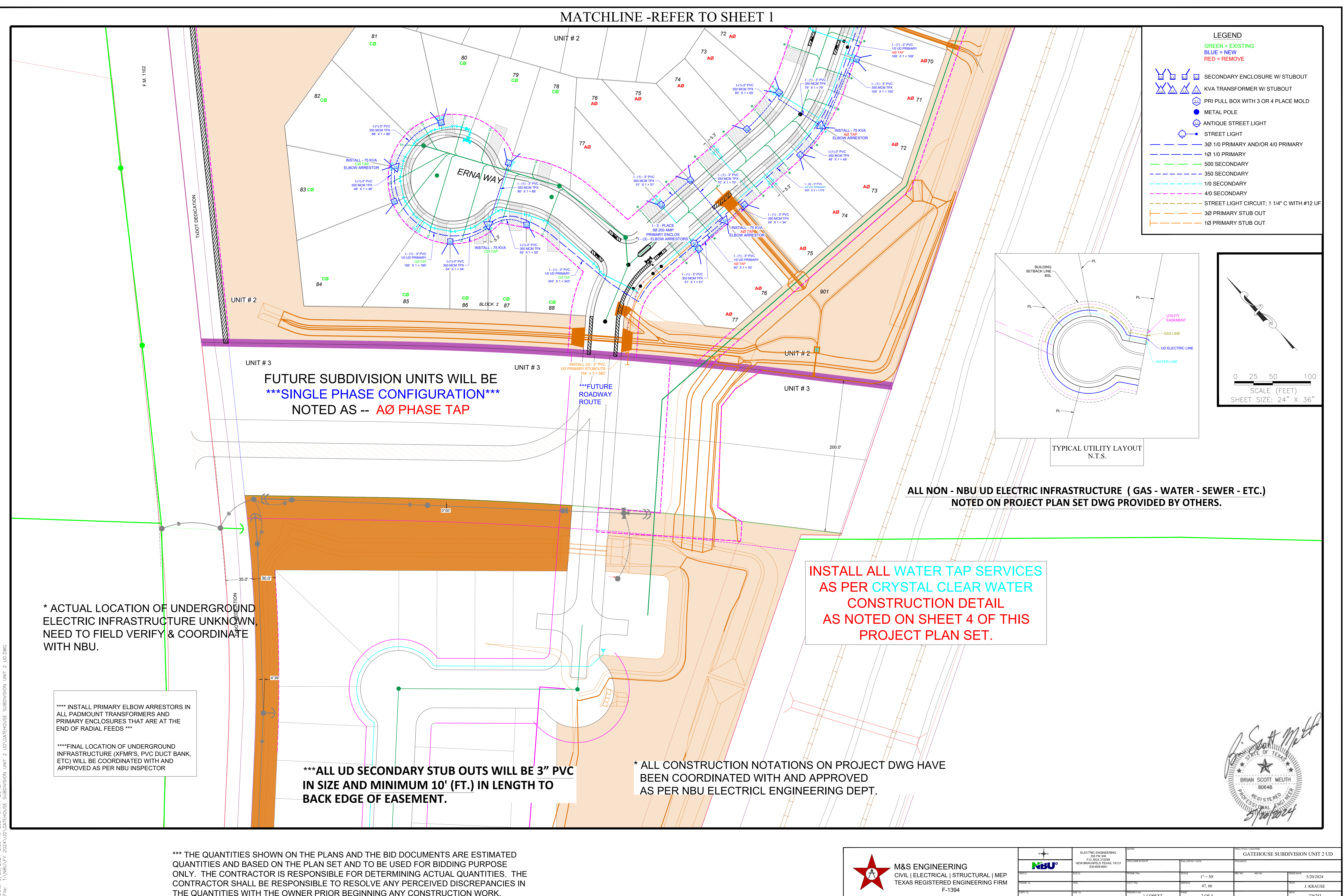


*** THE QUANTITIES SHOWN ON THE PLANS AND THE BID DOCUMENTS ARE ESTIMATED QUANTITIES AND BASED ON THE PLAN SET AND TO BE USED FOR BIDDING PURPOSE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL QUANTITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESOLVE ANY PERCEIVED DISCREPANCIES IN THE QUANTITIES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



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

ELECTRIC ENGINEERING		GATEHOUSE SUBDIVISION UNIT 2 UD	
DATE: 5/20/2024	BY: J. KRAUSE	DATE: 5/20/2024	BY: J. KRAUSE
REVISION: 1	DESCRIPTION: 47, 66	REVISION: 1	DESCRIPTION: 47, 66
PROJECT NO: I-C09EXT	SHEET: 1 OF 4	PROJECT NO: I-C09EXT	SHEET: 1 OF 4

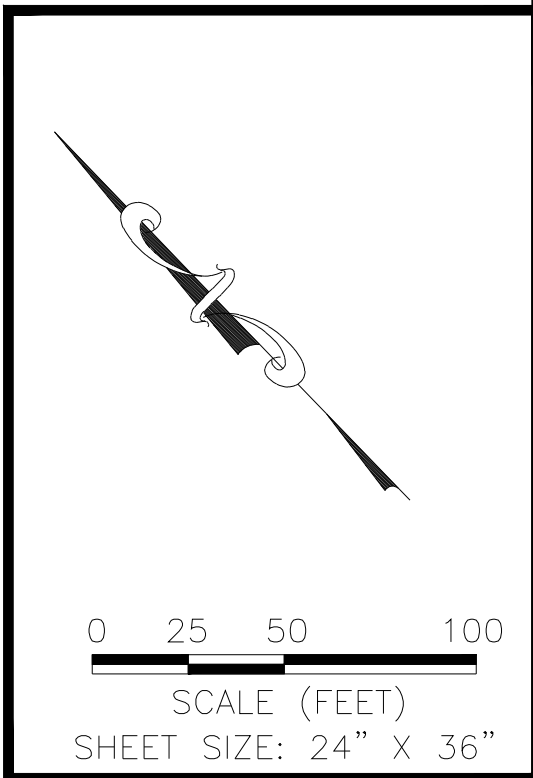
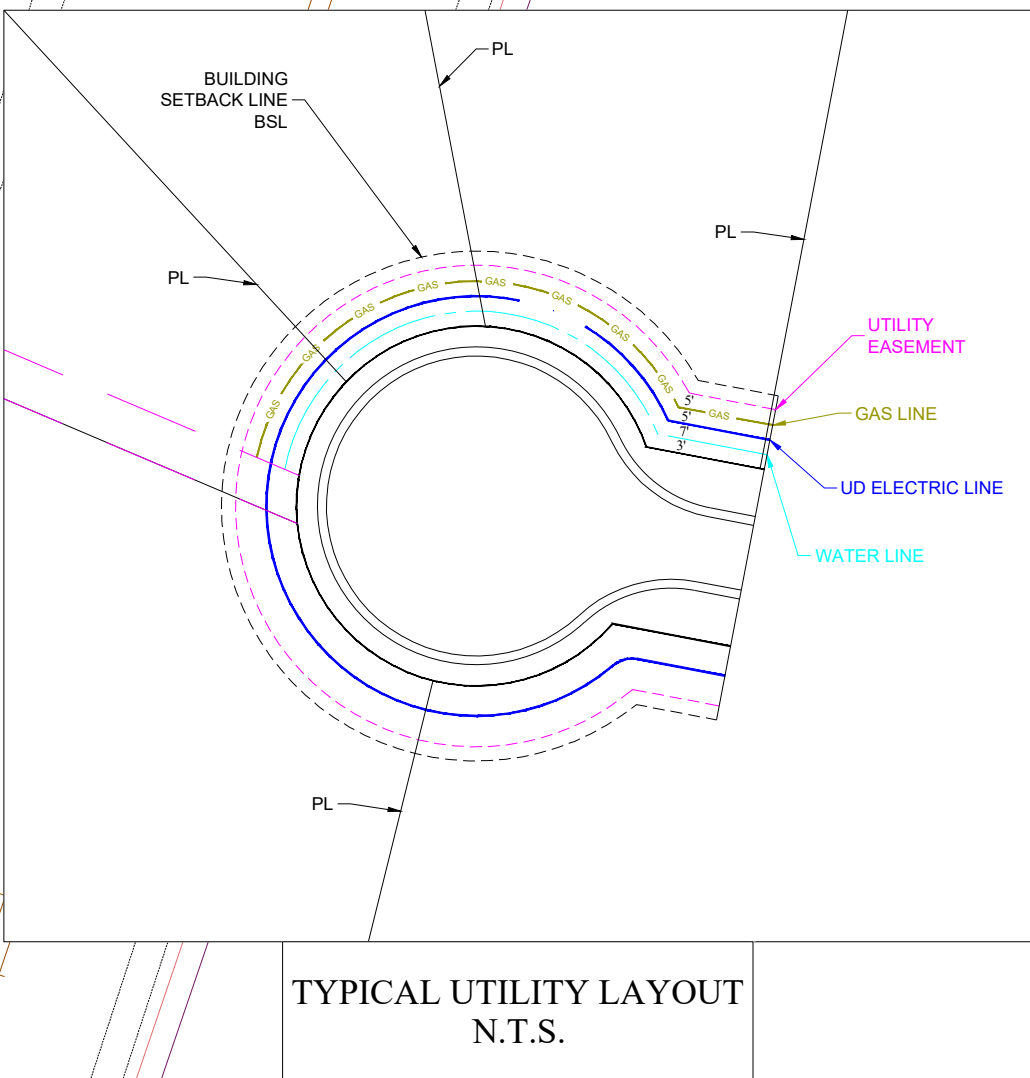


LEGEND

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

3Ø 1/0 Primary and/or 4/0 Primary
1Ø 1/0 Primary
500 Secondary
350 Secondary
1/0 Secondary
4/0 Secondary
Street Light Circuit; 1 1/4" C with #12 UF
3Ø Primary Stub Out
1Ø Primary Stub Out



FUTURE SUBDIVISION UNITS WILL BE
SINGLE PHASE CONFIGURATION
NOTED AS -- AØ PHASE TAP

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

INSTALL ALL WATER TAP SERVICES
AS PER CRYSTAL CLEAR WATER
CONSTRUCTION DETAIL
AS NOTED ON SHEET 4 OF THIS
PROJECT PLAN SET.

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

**** 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

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

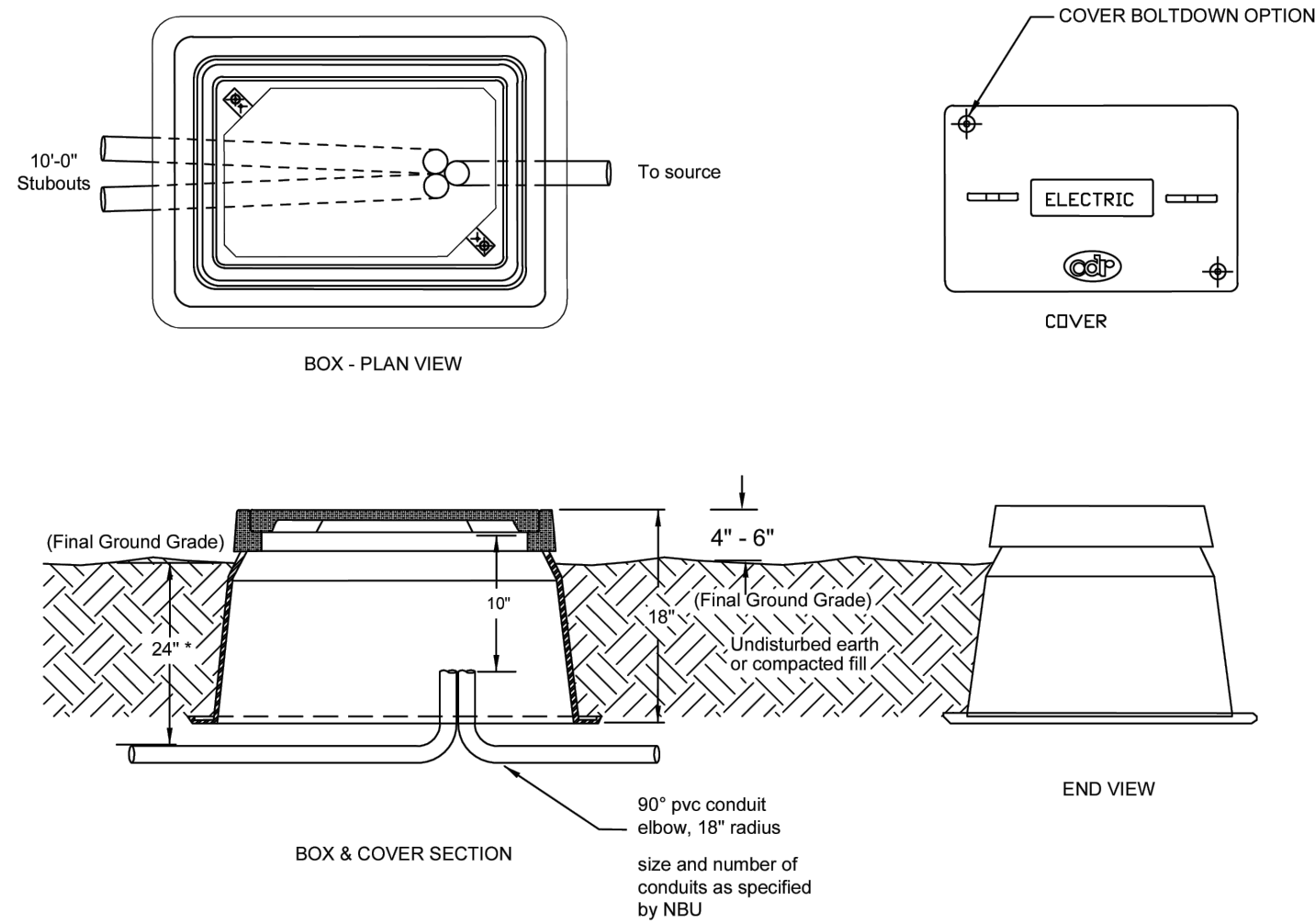
* ALL CONSTRUCTION NOTATIONS ON PROJECT DWG HAVE
BEEN COORDINATED WITH AND APPROVED
AS PER NBU ELECTRICAL ENGINEERING DEPT.

*** 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 305 FM 108 P.O. BOX 310289 NEW BRUNSWICK, TEXAS 78131 830-608-8551		NOTES		PROJECT LOCATION GATEHOUSE SUBDIVISION UNIT 2 UD	
DATE: 5/20/2024	BY: J. KRAUSE	DATE: 5/20/2024	BY: J. KRAUSE	DATE: 5/20/2024	BY: J. KRAUSE
SCALE: 1" = 50'	47.66	2 OF 4			

*Additional depth maybe required at the discretion of a NBU Electric Inspector.

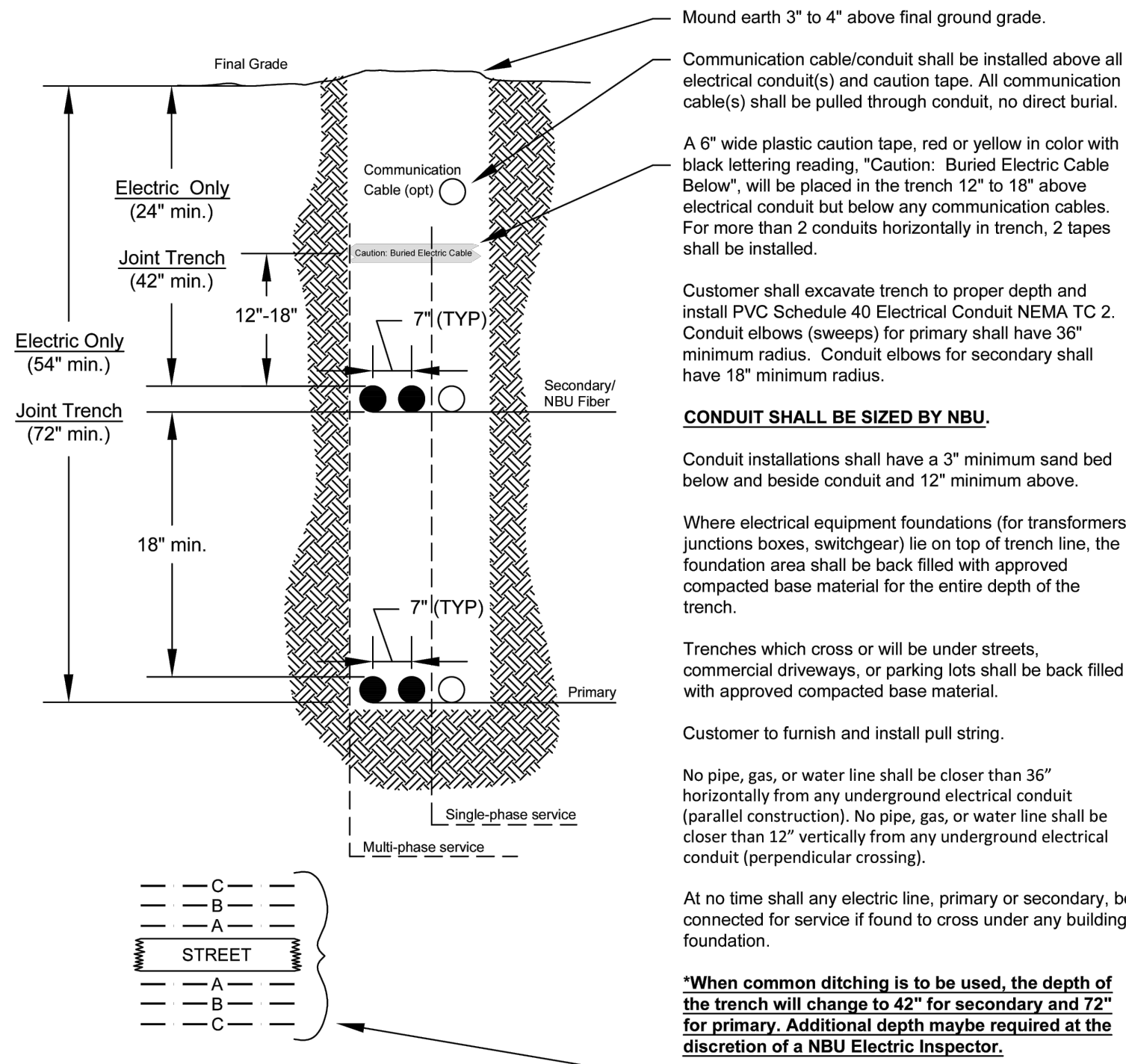


If installed in street, alley, or driveway.
Box = B12132418A Cover = C12132402A017

Note: Size of enclosure shall be determined by NBU.
Make sure that conduit is not located under lip of box.
Primary and Secondary stubouts shall be determined by NBU


	Electric Engineering 355 FM 306 PO Box 310289 New Braunfels, TX 78131-0289 830-608-8951	SECONDARY ENCLOSURE		
		ISSUED	SCALE	DRAWING NUMBER
		12/20	NTS	EU-210

All Primary and Secondary stubouts shall be 5' minimum.



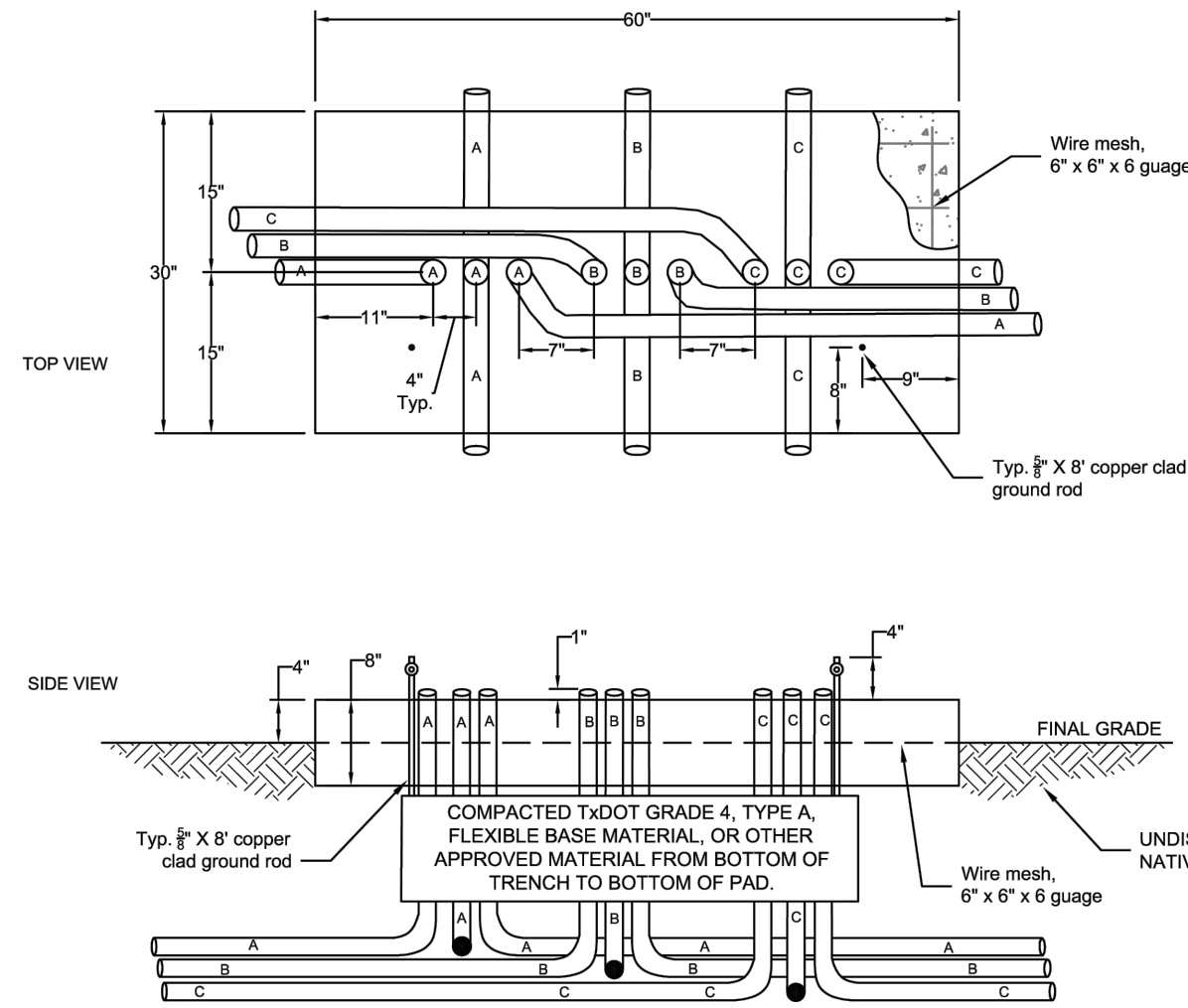
"When common ditching is to be used, the depth of the trench will change to 42" for secondary and 72" for primary. Additional depth maybe required at the discretion of a NBU Electric Inspector.


For multi-phase service, conductor phase orientation shall be as shown unless approved otherwise by NBU.

	Electric Engineering 355 FM 308 PO Box 310289 New Braunfels, TX 78131-0289 830-608-8951	UNDERGROUND CONDUIT INSTALLATION		
		ISSUED 6/21	SCALE NTS	DRAWING NUMBER EU-910

*** 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.

Conduit positions, concrete forms, re-bar, and trench compaction to be approved by NBU before concrete is poured

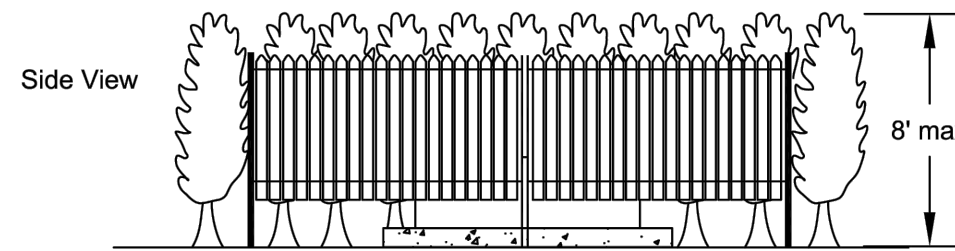



 <p>NBU NEW BRAUNFELS UTILITIES</p>	Electric Engineering 355 FM 306 PO Box 310289 New Braunfels, TX 78131-0289 830-608-8951	THREE PHASE 3 PLACE, 200AMP PRIMARY ENCLOSURE PAD								
	<table> <tr> <th>ISSUED</th> <th>SCALE</th> <th colspan="2">DRAWING NUMBER</th> </tr> <tr> <td>10/18</td> <td>NTS</td> <td colspan="2">EU-315</td> </tr> </table>	ISSUED	SCALE	DRAWING NUMBER		10/18	NTS	EU-315		
ISSUED	SCALE	DRAWING NUMBER								
10/18	NTS	EU-315								

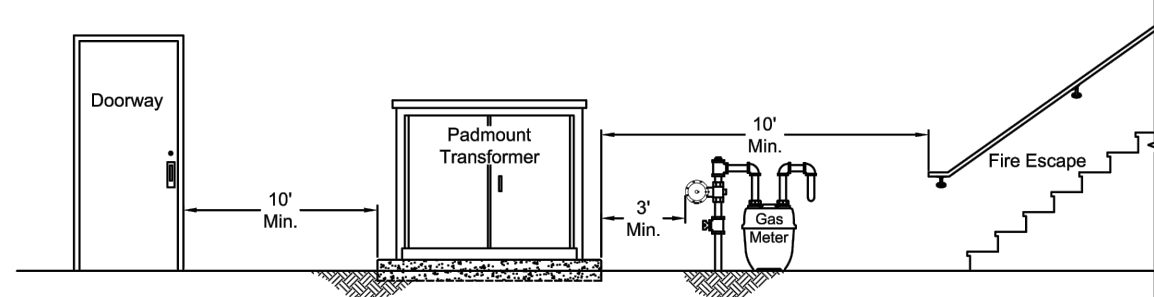
Top View

Diagram showing the top view of the equipment foundation. The foundation is a square with a central square area labeled "Equipment Foundation". The outer square has a side length of 3' (indicated by dimension lines). The inner square has a side length of 3' (indicated by dimension lines). The area between the inner and outer squares is filled with a pattern of small triangles, representing gravel. The foundation is surrounded by a decorative border of small circles, representing a curb or landscaping. A north arrow points towards the top right.

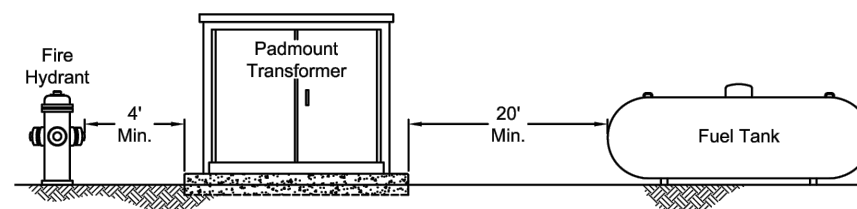
Site grading within the front 10' of a foundation shall not exceed a 7:1 slope. Access infrastructure, if necessary, shall be built as permanent structures, and shall meet requirements of any applicable right-of-way owner.




	Electric Engineering 355 FM 306 PO Box 310289 New Braunfels, TX 78131-0289 830-608-8951	PADMOUNT EQUIPMENT BARRIER CLEARANCES		
		ISSUED 10/18	SCALE NTS	DRAWING NUMBER EU-500

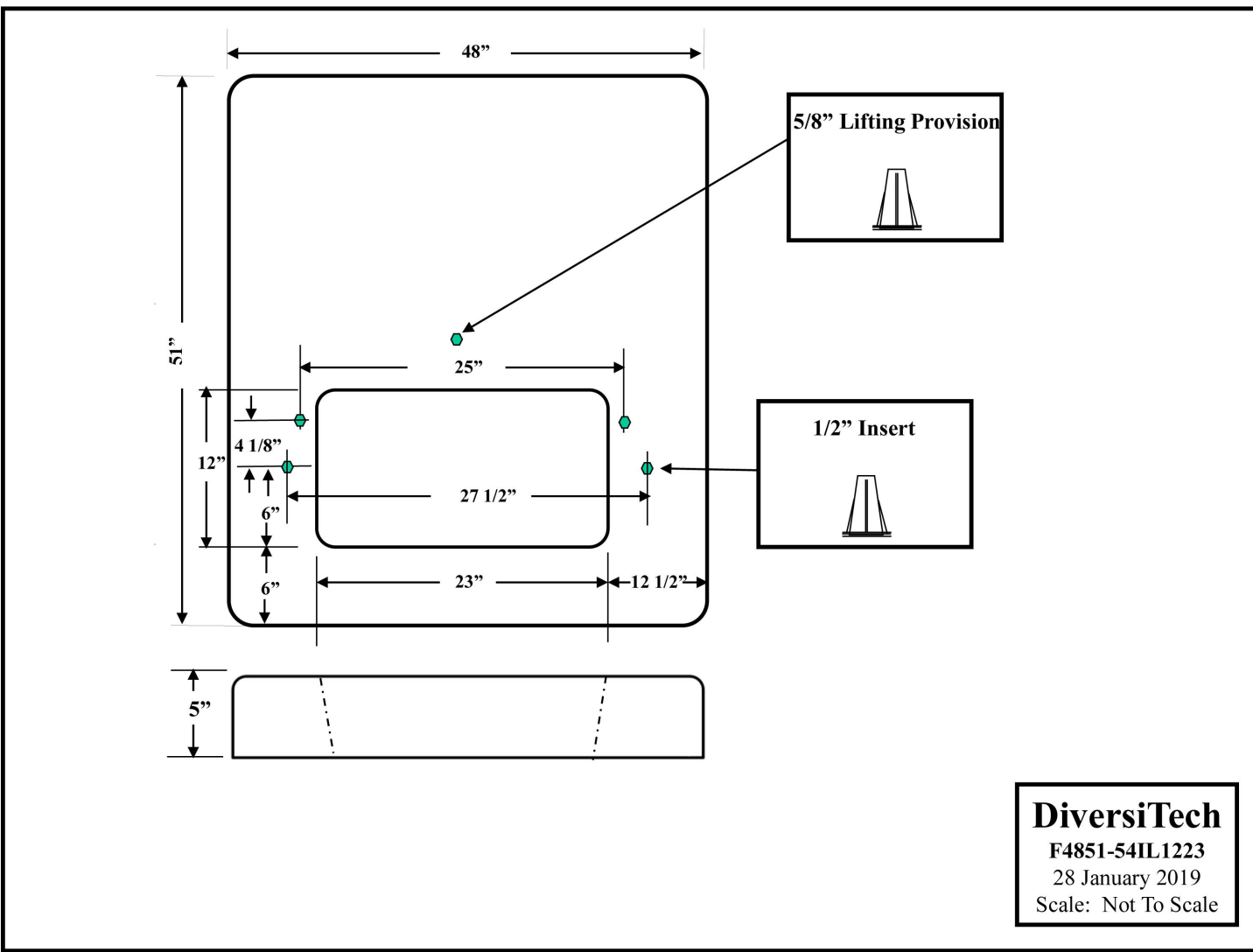


Note 2: Per the National Electric Safety Code rule 380D padmounted equipment and other above ground electrical equipment should be located not less than 4'-0" from fire hydrants. Exception: Where conditions do not permit a clearance of 4'-0", a clearance of not less than 3'-0" is allowed.

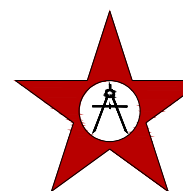
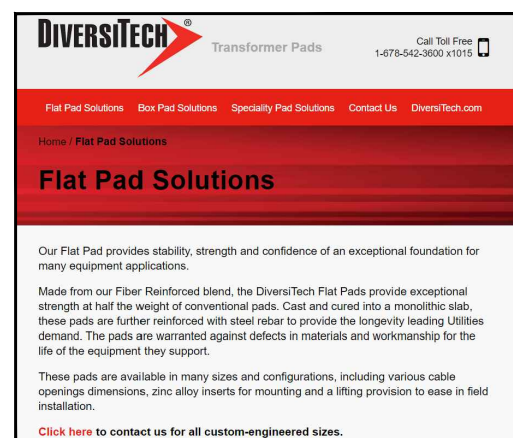


 NEW BRAUNFELS UTILITIES	Electric Engineering 355 FM 306 PO Box 310289 New Braunfels, TX 78131-0289 830-608-8951	MINIMUM CLEARANCES FROM PADMOUNT EQUIPMENT PADS		
		ISSUED 10/18	SCALE NTS	DRAWING NUMBER EU-501


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



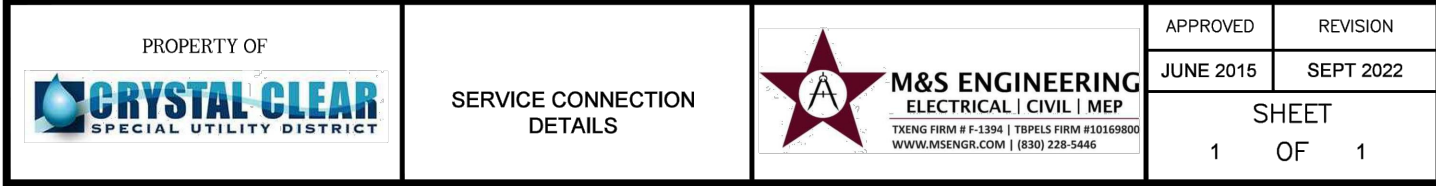
Item	Width (In)	Length (In)	Thickness (In)	Cable Opening	Weight (Lbs)
F4242- 32CL1224	42"	42"	3"	12" x 24"	190
F4242- 32CL1328	42"	42"	3"	13" x 28"	190
F4059- 32CL1128	40"	59"	3"	11" x 28"	255
F4245- 44IL1125	42"	45"	3"	11" x 25"	270



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

	ELECTRIC ENGINEERING 355 FM 306 P.O. BOX 101080 NEW BRAUNFELS TEXAS, 78131 830-600-8951		NOTES GPS COORDINATE EAST ARK BY DATE SCALE N.T.S. PROJECT NO I-COEXT		PROJECT LOCATION GATEHOUSE SUBDIVISION UNIT 2 UD POLYSCALE REV NO REV BY ISSUE DATE 5/20/2024 J. KRAUSE 226753	





*** 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.

