

**BROWNSVILLE PUBLIC UTILITIES BOARD
ELECTRICAL ENGINEERING DEPARTMENT**

Date: _____

CUSTOMER CONTACT INFORMATION

PROPERTY OWNER INFORMATION

Name: _____
Address: _____

Phone: _____
Fax: _____
Signed: _____

Name: _____
Address: _____

Phone: _____
Fax: _____
Signed: _____

PROPERTY INFORMATION

Street Address: _____
Legal Description: _____
Lot Block Subdivision

Construction Type: New Construction Addition

POWER REQUIREMENTS (Connecting Loads)

Voltage: 120/240 1-Phase 120/240 3-Phase 240/480 1-Phase 240/480 3-Phase
 120/208 3-Phase 277/480 3-Phase 7200/12470 3-Phase
Current: 100 AMP 200 AMP 400 AMP _____ AMP *

* Services above 400 AMP will require current transformers (CT).

	1-Phase	3-Phase
Load: Lighting	_____ KW	_____ KW
Receptacles	_____ KW	_____ KW
HVAC	_____ KW	_____ KW
Motors/Machines	_____ HP	_____ HP
Others	_____ KW	_____ KW

Total Estimated KW Demand _____

TEMPORARY POWER NEEDED Month _____ Day _____ Year _____

PERMANENT POWER NEEDED Month _____ Day _____ Year _____

IMPORTANT TELEPHONE NUMBERS

B PUB Electrical Engineering..... (956) 983-6201
B PUB Customer Service..... (956) 983-6121
City of Brownsville Permitting/Inspections..... (956) 550-5345
Cameron County Permitting/Inspections..... (956) 548-9553

NOTE: ALUMINUM METER SOCKETS REQUIRED (EFFECTIVE 7/1/07)

Fax to B PUB Electrical Engineering Department (956) 983-6220 or E-mail to nvasquez@brownsville-pub.com



CUSTOMER CHECKLIST

DEVELOPED BY:

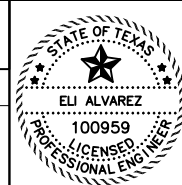
STANDARDS COMMITTEE

APPROVED:

OCT 2019

DRAWING NUMBER

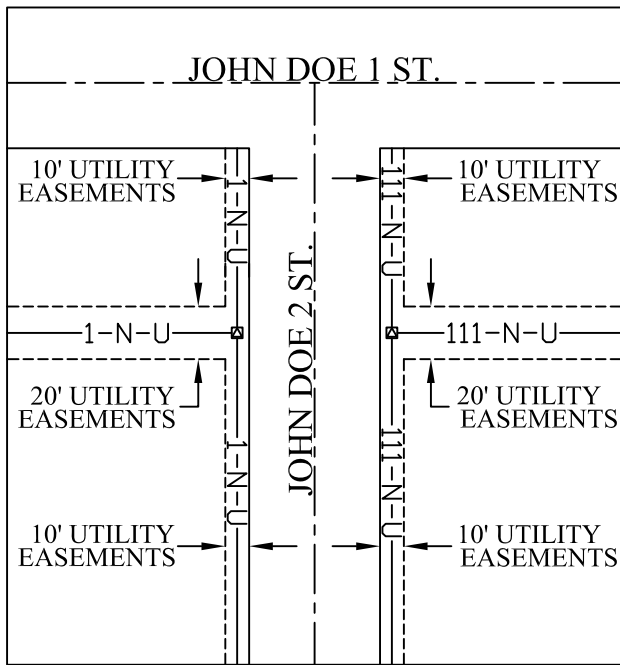
ENG-1



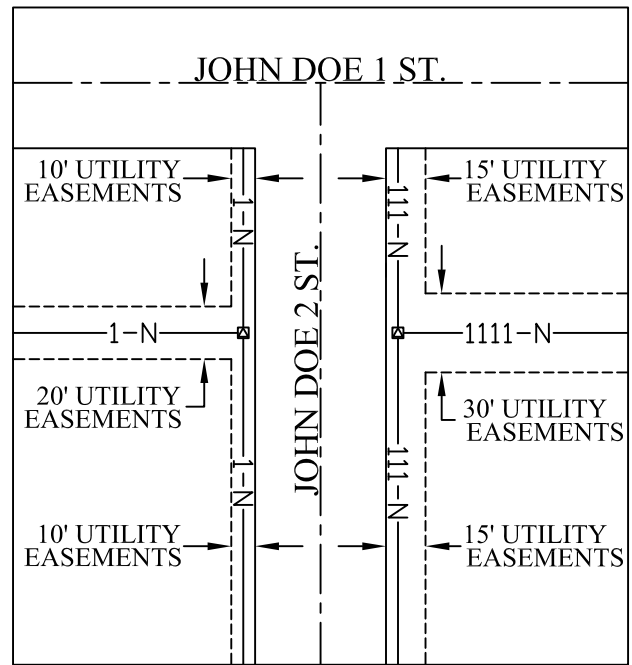
BROWNSVILLE PUBLIC UTILITIES BOARD ELECTRICAL ENGINEERING DEPARTMENT

LINE / EQUIPMENT DESCRIPTION	OVER OPEN LAND (FEET)	ALONG STREETS (FEET)
THREE PHASE OVERHEAD TRANSMISSION LINES (69,000-138,000 VOLTS)	50	25
THREE PHASE OVERHEAD TRANSMISSION LINES (15,000 VOLTS)	30	15
SINGLE PHASE OVERHEAD DISTRIBUTION LINES (72,00 VOLTS)	20	10
UNDERGROUND DISTRIBUTION LINES (7,200 OF 15,000 VOLTS)	20	10
SERVICE LINES (120 - 480 VOLTS)	10	5
PAD MOUNTED TRANSFORMERS	20 X 20	10 X 20
PAD MOUNTED SWITCHGEAR	20 X 30	10 X 30

**EXAMPLE #1
UNDERGROUND**



**EXAMPLE #2
OVERHEAD**



NOTE:

1. ADDITIONAL EASEMENTS MAY BE NEEDED.
2. ANY PROPOSED STRUCTURE (FENCE, SIDEWALK, ETC.) WITHING THE EASEMENT IS SUBJECT TO REVIEW AND APPROVAL BY BPUB.



ELECTRICAL EASEMENT REQUIREMENTS

DEVELOPED BY:

STANDARDS
COMMITTEE

APPROVED:

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NUMBER

ENG-2



Meter Sockets for Self Contained Meters



**100 Amp, 4-Terminal,
Ringless, Aluminum, OH/UG.**

**Milbank: UAP7487-RL-TG
Landis & Gyr: UAT131-XGF
Square D: UAT-RS101C-SQD**

**100 Amp, 5-Terminal (9:00 or 6:00 Position),
Ringless, Aluminum, OH/UG.**

**Milbank: Kit 5T8K2 - 5th Terminal field mounted
Landis & Gyr: Kit 659-0121-5th Terminal field mounted
Square D: Kit A5J - 5th Terminal field mounted**



**200 Amp, 4-Terminal, Ringless,
Bypass Lever, Aluminum, OH/UG.**

**Milbank: UAP9801-RRL
Landis & Gyr: 41404-015F
Square D: UAT-H4213C-SQD
Cutler-Hammer: UAT-4213U-FLCH**



**320 Amp, 4-Terminal, Ringless,
Bypass Lever, Aluminum, OH/UG.**

**Milbank: UAP2448-X
Landis & Gyr: 41704-01
Square D: UAT-H4330U-SQD**



**200 Amp, 5-Terminal (6:00 position),
Ringless, Bypass Lever, Aluminum,
OH/UG.**

**Milbank: UAP9551-RRL
Landis & Gyr: 41405-025F
Square D: UAT-H5213C-SQD**



**320 Amp, 5-Terminal (6:00 Position),
Ringless, Bypass Lever, Aluminum,
OH/UG.**

**Milbank: UAP2448-X with Kit K3865
5th Terminal field mounted
Landis & Gyr: 49105-02FL
Square D: UAT-H5330U-SQD**



**200 Amp, 7-Terminal, Ringless,
Bypass Lever, Aluminum, OH/UG.**

**Milbank: UAP9701-RRL
Landis & Gyr: 41407-025F
Square D: UAT-H7213C-SQD**

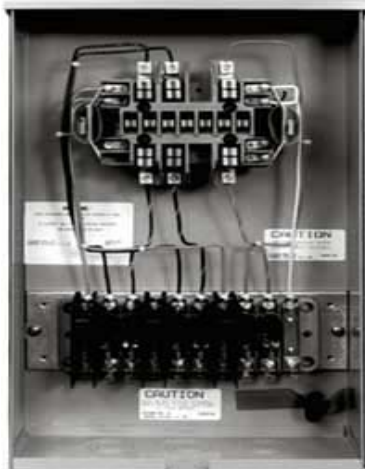


**320 Amp, 7-Terminal, Ringless,
Bypass Lever, Side Wireway,
Aluminum, OH/UG.**

**Milbank: UAP2594-X
Landis & Gyr: 49107-02FL
Square D: UAT-H7330U-SQD**

- Note: 1. - All Meter Sockets provided and installed by customer at site approved by BPUB.
2. - All Meter Sockets are to be new stock and UL listed.
3. - Meter and Service installations must also meet City of Brownsville inspection requirements.
4. - Meter cans less than 100 Amps need BPUB Engineering approval in advance.**

20 Amp CT/PT Meter Sockets, Aluminum, Ringless, Terminal Block and Test Switch Provision **



** Must have integrated prewired switches per BPUB's specifications for all CT and PT connections:

Voltages: Use RED/BLACK, BROWN, ORANGE.

Currents: Use RED, BLUE, YELLOW.

Neutral: Use BLACK.

** Wire must be Copper, Gage 10, THHN, Stranded.

** For Single phase: 120 / 240 volts 3-wire use Wiring Form 4S.

** For Three phase: 120 / 208 volts Wye 4-wire use Wiring Form 9S.

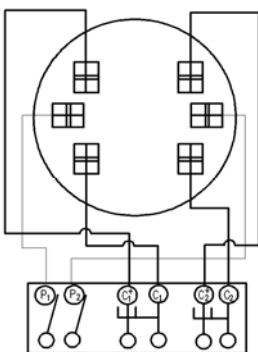
277 / 480 volts Wye 4-wire use Wiring Form 9S.

120 / 240 volts Delta 4-wire use Wiring Form 9S.

240 / 480 volts Delta 4-wire use Wiring Form 9S.

240 / 480 volts Delta 3-wire use Wiring Form 5S.

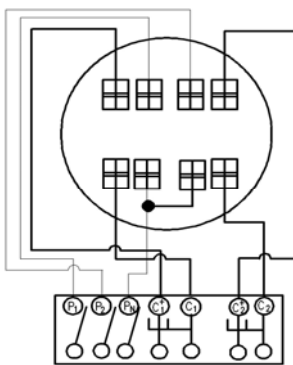
Form 4S



6 - Terminals

Milbank: UAPC7478-XL
Landis & Gyr: 9837-8200
Square D: USTS6-1C224-SQD

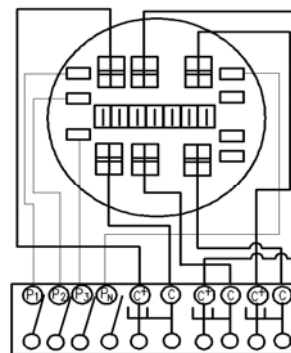
Form 5S



8 - Terminals

Milbank: UAPC7444-XL
Landis & Gyr: 9837-8400
Square D: USTS8-1C225-SQD

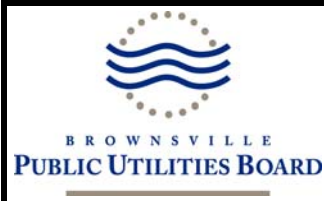
Form 9S



13 - Terminals

Milbank: UAPC7445-XL
Landis & Gyr: 9837-8500
Square D: USTS13-1C226-SQD

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2. - All Meter Sockets are to be new stock and UL listed.
3. - Meter and Service installations must also meet City of Brownsville inspection requirements.



CT/PT METER SOCKETS

DEVELOPED BY:	STANDARDS COMMITTEE	
APPROVED:	Oct 2019	
DRAWING NUMBER	ENG - 6B	