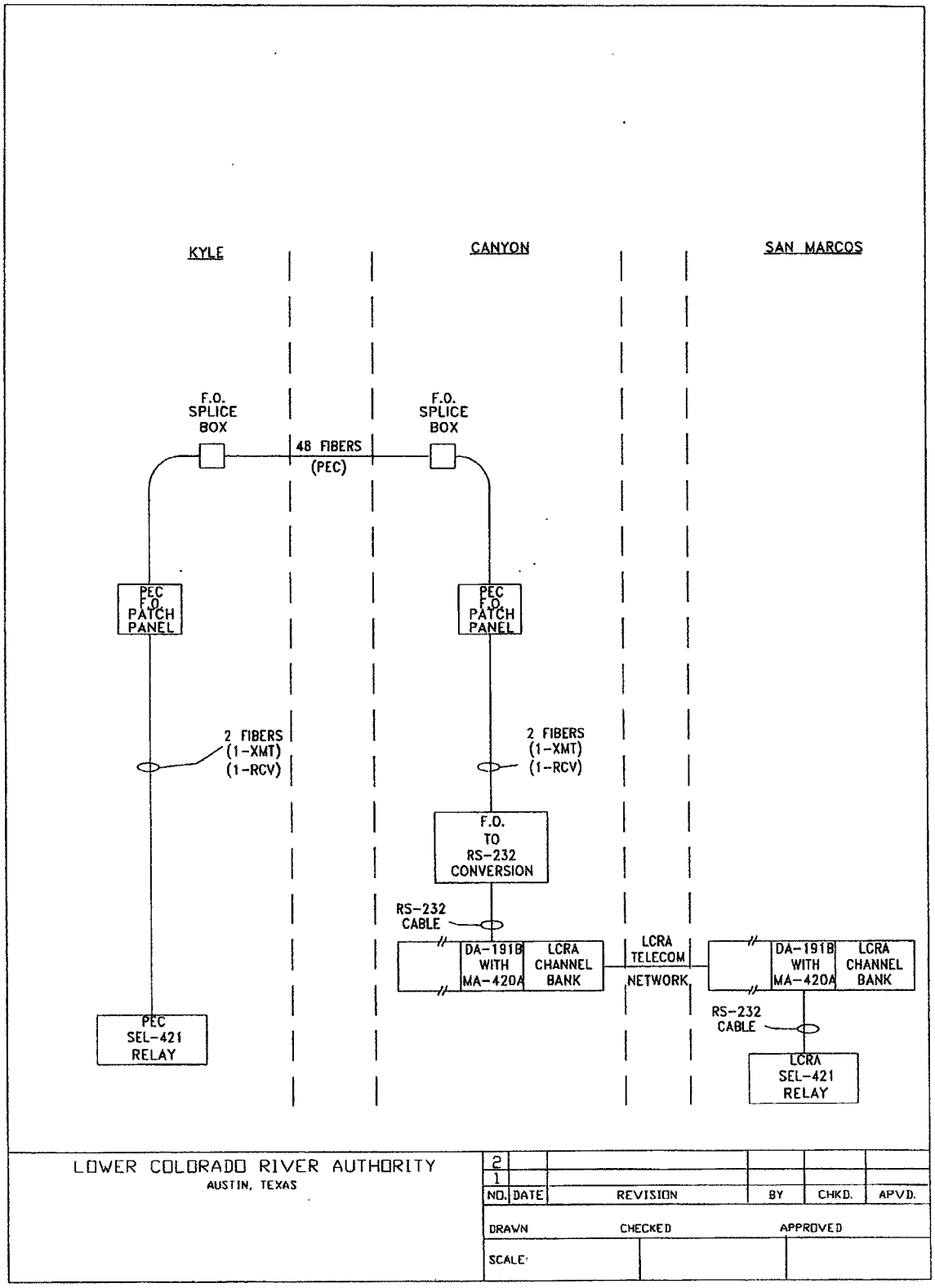
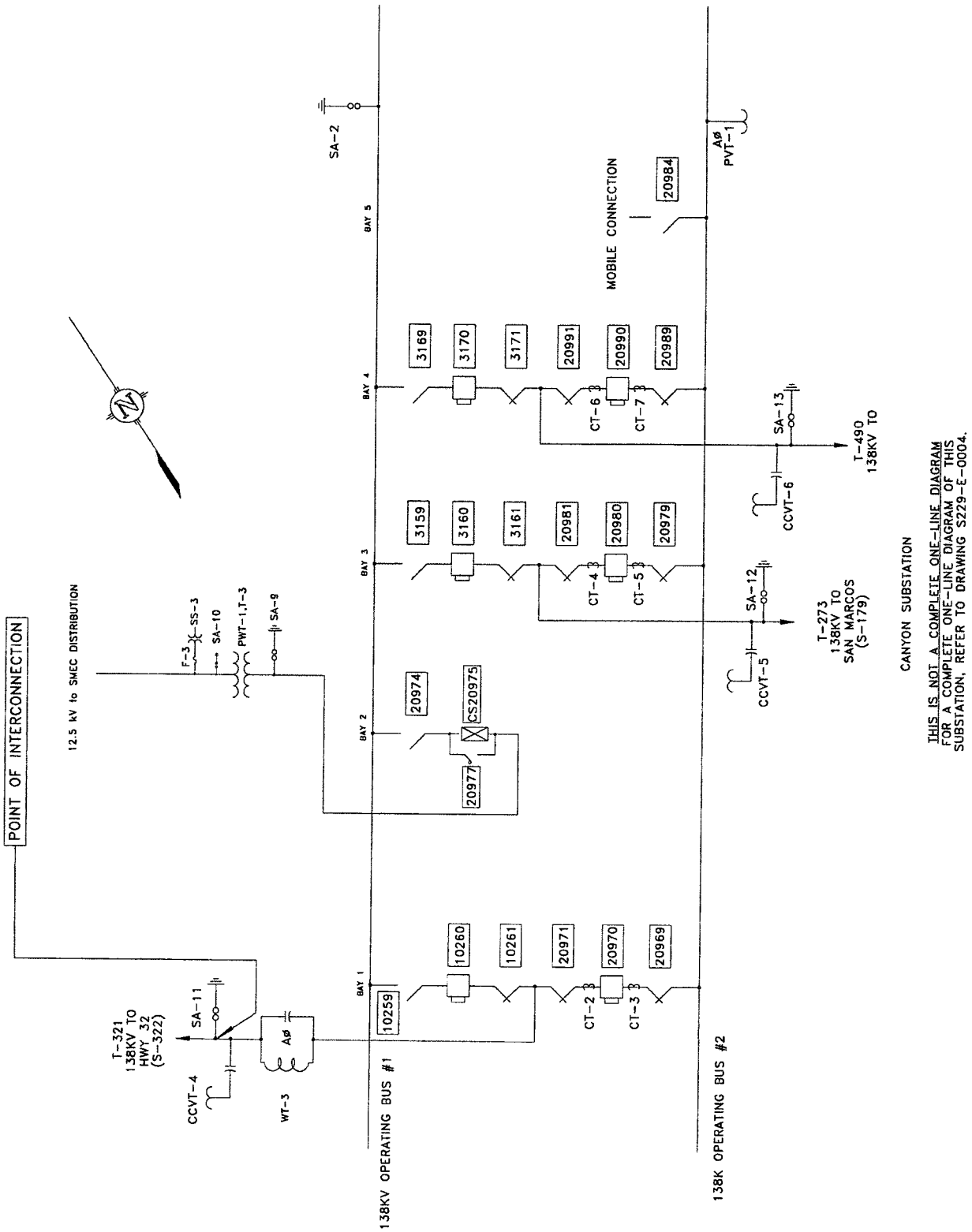

KYLE
CANYON
SAN MARCOS
F.O. SPLICE BOX
48 FIBERS (PEC)
F.O. SPLICE BOX
PEC F.O. PATCH PANEL
PEC F.O. PATCH PANEL
2 FIBERS (1-XMT) (1-RCV)
2 FIBERS (1-XMT) (1-RCV)
F.O. TO RS-232 CONVERSION
RS-232 CABLE
DA-191B WITH MA-420A
LCRA CHANNEL BANK
LCRA TELECOM NETWORK
DA-191B WITH MA-420A
LCRA CHANNEL BANK
RS-232 CABLE
PEC SEL-421 RELAY
LCRA SEL-421 RELAY
LOWER COLORADO RIVER AUTHORITY
AUSTIN, TEXAS
NO. DATE REVISION BY CHKD. APVD.
DRAWN CHECKED APPROVED
SCALE:

CANYON ONE-LINE DIAGRAM



FACILITY SCHEDULE NO. 11

1. **Name:** Copperas Cove Substation **(PEC)**

2. **Facility Location:** The Copperas Cove Substation is located at 2469 Big Divide Rd., Kempner, Lampasas County, Texas 76539.

3. **Points of Interconnection:** There is one (1) Point of Interconnection in the Copperas Cove Substation generally described as:

   - where the jumper from the 138 kV operating bus bolts to the 4 hole pad on switch 6634.

4. **Transformation Services Provided by LCRA TSC:** No

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 138 kV

7. **Metered Voltage and Location:** The metering voltage is 24.9 kV. The metering current transformer is located inside T-1. The bus potential transformer is located on the 24.9 kV operating bus.

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
   PEC owns:
   The Copperas Cove Substation including, but not limited to, the following items:
   - One (1) 138 kV circuit switcher CS-6635 with associated disconnect switch 6634 and bypass switch 6637
   - One (1) power transformer T-1 with associated surge arresters
   - One (1) 24.9 kV transformer bus disconnect switch CC1-5
   - All distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 24.9 kV operating and transfer bus and associated cabling
   - One (1) 24.9 kV bus potential transformer PT-1 with associated fused disconnect switch
   - One (1) distribution circuit breaker CC-30 including jumpers and protective relay packages
   - One (1) modulation transformer MTU-1 with associated surge arrester, fused disconnect switch and OMU unit
   - Control house (24' X 24') and Battery
   - One (1) 24.9 kV station service SS-1 with fused disconnect switch

LCRA TSC owns:

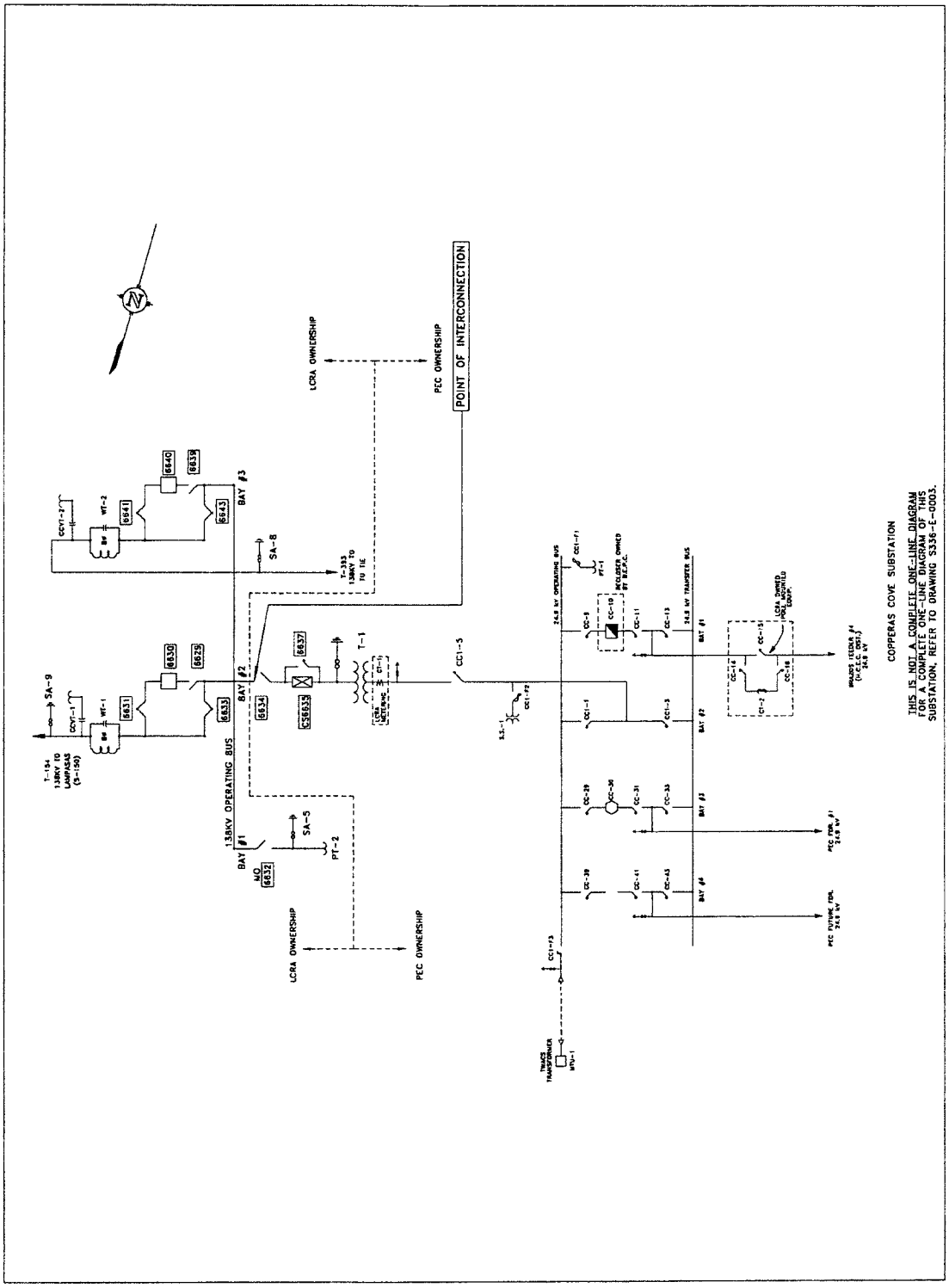
- 138 kV dead-end structures, foundations, insulators and jumpers
- 138 kV operating bus including structures, insulators, foundations and jumpers
- Two (2) 138 kV circuit breakers 6630 and 6640 including foundation, jumpers and protective relay packages
- Six (6) 138 kV switches 6629, 6631, 6633, 6639, 6641 and 6643
- Three (3) 138 kV surge arresters SA-5, SA-8 and SA-9
- Two (2) 138 kV coupling capacitor voltage transformer CCVT-1 and CCVT-2
- Two (2) 138 kV wave traps and tuners WT-1 and WT-2
- One (1) 138 kV motor operated switch MO-6632
- One (1) 138 kV bus potential transformer PT-2
- One (1) 24.9 kV metering current transformer CT-2 (Brazos feeder)
- Three (3) 24.9 kV pole mounted low voltage switches CC-14, CC-15 and CC-16 (Brazos feeder)
- Battery and battery charger

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:** PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

COPPERAS COVE ONE-LINE DIAGRAM



FACILITY SCHEDULE NO. 12

1. **Name:** E. Babe Smith Substation **(PEC)**

2. **Facility Location:** The E. Babe Smith Substation is located at 4734 S. US Hwy 281, Burnet, Burnet County, Texas 78611.

3. **Points of Interconnection:** There is one (1) Point of Interconnection in the E. Babe Smith Substation generally described as:

    - where the jumper from the tubular bus, connecting switches 3776 and 3778, bolts to the terminal connector on the 138 kV bus.

4. **Transformation Services Provided by LCRA TSC:** No

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 138 kV

7. **Metered Voltage and Location:** The metering voltage is 12.5 kV. The metering current transformer is located in the 12.5 kV bus. The bus potential transformer is located on the 12.5 kV operating bus.

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
PEC owns:
The E. Babe Smith Substation including, but not limited to the following items:
    - One (1) 138 kV power fuse EB1-F3
    - One (1) power transformer T-1 with associated surge arresters
    - All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
    - All distribution circuit breakers including jumpers, protective relay packages and foundations
    - All distribution and total bays including box structure, foundations, trusses, insulators, disconnect switches, surge arresters, 12.5 kV operating bus and associated cabling
    - One (1) 12.5 kV bus potential transformer PT-1 with associated fused disconnect switch
    - Two (2) 12.5 kV current transformers CT-1 and CT-3
    - One (1) modulation transformer MTU-1 with associated surge arrester, fused disconnect switch and OMU unit
    - Three (3) 12.5 kV single phase regulators REG-1 with associated disconnect and bypass switches
    - One (1) 12.5 kV station service SS-1 with fused disconnect switch
    - One (1) 29' x 10' metal roof

- Control House (8' X 12' metal) and Battery

LCRA TSC owns:

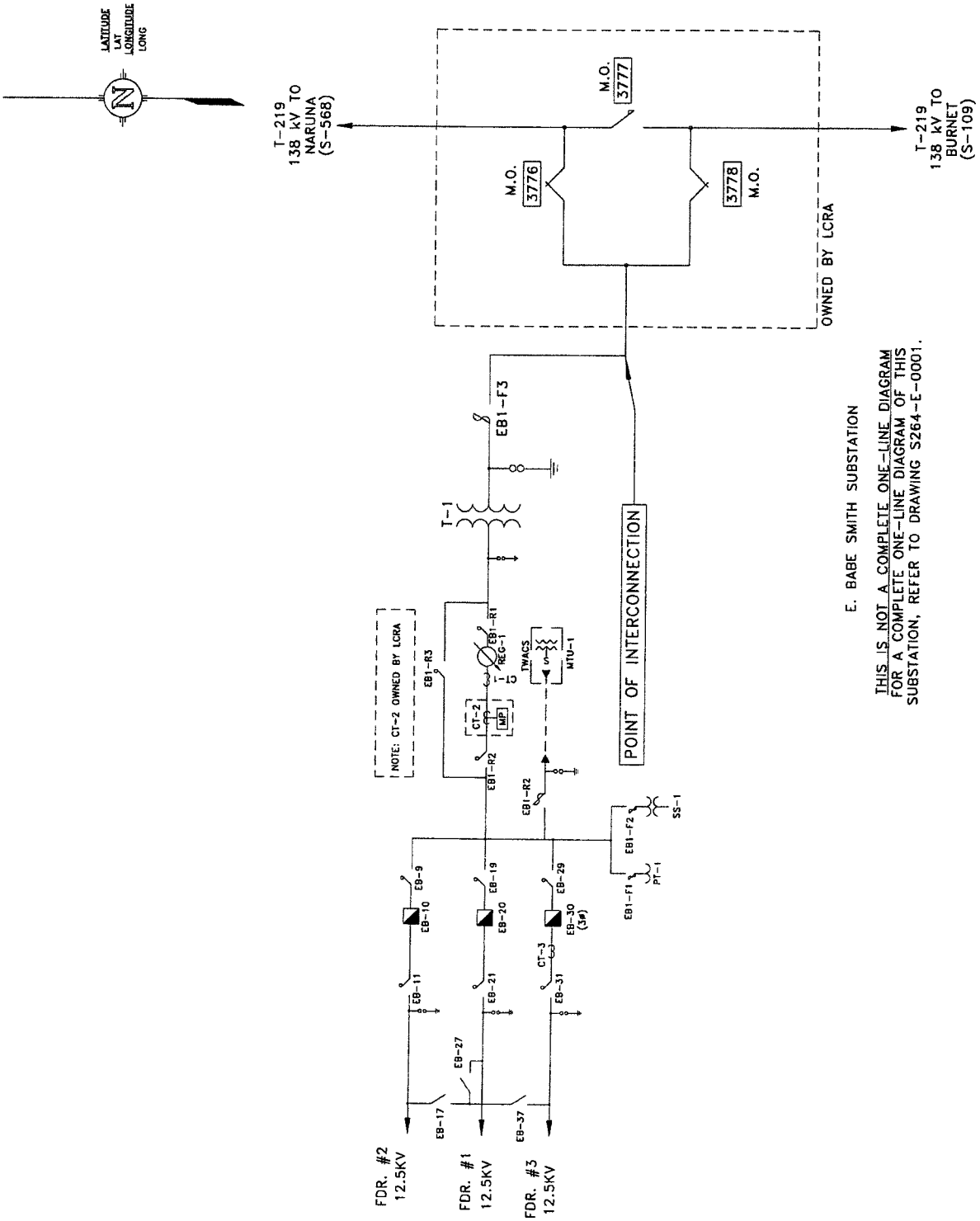
- Two (2) 138 kV dead-end A-frame structures, foundations, insulators and jumpers
- Three (3) 138 kV motor operated switches with interrupters MO-3776, MO-3777 and MO-3778
- One (1) 12.5 kV metering current transformer CT-2
- Battery house (12' X 21') and battery bank
- One (1) 8' x 12' metal buildings

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:** PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

E. BABE SMITH ONE-LINE DIAGRAM



FACILITY SCHEDULE NO. 13

1. **Name:** Escarpment Substation **(LCRA)**

2. **Facility Location:** The Escarpment Substation is located at 5900 SH 45, Austin, Travis County, Texas 78739.

3. **Points of Interconnection:** There are two (2) Points of Interconnection in the Escarpment Substation generally described as:

   - where the jumper from the 138 kV bus terminal connector bolts to the 4 hole pad on switch 19634.
   - where the jumper from the 138 kV bus terminal connector bolts to the 4 hole pad on switch 19644.

4. **Transformation Services Provided by LCRA TSC:** No

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 138 kV

7. **Metered Voltage and Location:** The metering voltage is 24.9 kV. The metering current transformers are located inside T-1 and T-2. The bus potential transformers are located on both 24.9 kV operating buses.

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
   PEC owns:
   - Two (2) 138 kV circuit switchers CS-19635 and CS-19645 with associated bypass switches 19637, 19647 and disconnect switches 19634, 19644
   - Two (2) power transformers T-1 and T-2 with associated surge arresters
   - Two (2) 24.9 kV metering current transformers CT-1 and CT-2 (internal to T-1and T-2)
   - All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
   - All distribution and total circuit breakers including jumpers, protective relay packages and foundations
   - All distribution, bus tie and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 24.9 kV operating and transfer bus and associated cabling
   - Two (2) 24.9 kV bus potential transformers PT-1 and PT-2 with associated fused disconnect switches
   - Two (2) modulation transformers MTU-1 and MTU-2 with associated surge arresters, fused disconnect switches and OMU units

   Two (2) 24.9 kV station service SS-1 and SS-2 with associated fused disconnect switches

LCRA TSC owns:

The Escarpment Substation including, but not limited to, the following items:

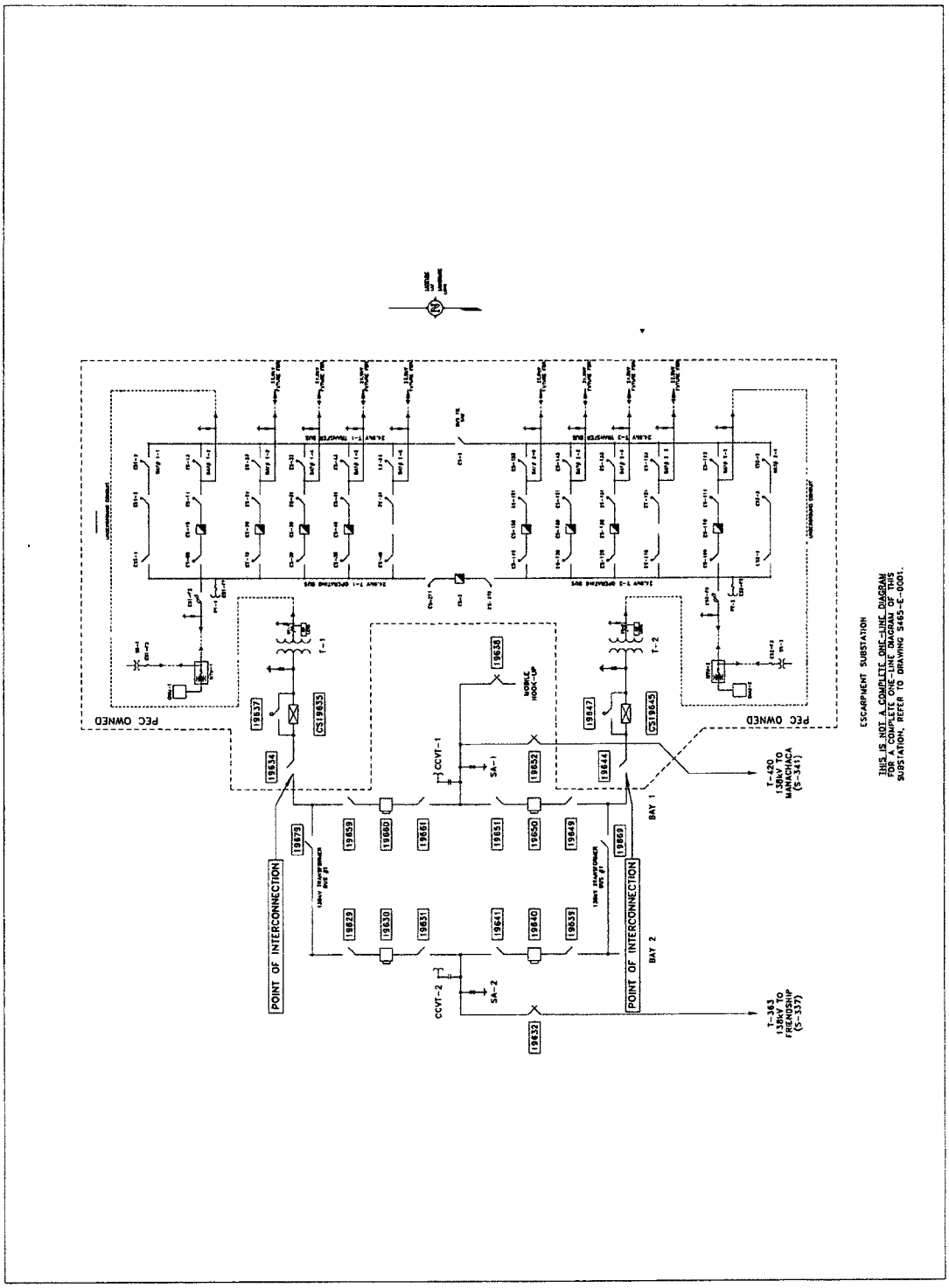
- 138 kV dead-end structures, foundations, insulators and jumpers
- Four (4) 138 kV circuit breakers 19630, 19640, 19650 and 19660 including foundation, jumpers and protective relay packages
- Thirteen (13) 138 kV switches 19629, 19631, 19632, 19638, 19639, 19641, 19649, 19651, 19652, 19659, 19661, 19669 and 19679
- 138 kV ring bus including structures, insulators, foundations and jumpers
- 138 kV transformer bus #1 and #2 bus including structures, insulators, foundations and jumpers
- Two (2) 138 kV coupling capacitor voltage transformer CCVT-1 and CCVT-2
- Two (2) 138 kV surge arresters SA-1 and SA-2
- Control house (24' X 51') and battery

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:** PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

ESCARPMENT ONE-LINE DIAGRAM



FACILITY SCHEDULE NO. 14

1. **Name:** Fairland Substation (**PEC**)

2. **Facility Location:** The Fairland Substation is located at 8531 S. US Hwy 281, Marble Falls, Burnet County, Texas 78654.

3. **Points of Interconnection:** There are two (2) Points of Interconnection in the Fairland Substation generally described as:

   - where the jumper from the 138 kV bus terminal connector bolts to the 4 hole pad on switch 10374.
   - where the jumper from the 138 kV bus terminal connector bolts to the 4 hole pad on switch 10384.

4. **Transformation Services Provided by LCRA TSC:** No

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 138 kV

7. **Metered Voltage and Location:** The metering voltage is 12.5 kV. The metering current transformer for transformer T-1 is located on the distribution box structure. The metering current transformer for T-2 is located inside T-2. The bus potential transformers are located on both 12.5 kV operating buses.

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
   PEC owns:
   The Fairland Substation including, but not limited to, the following items:
   - Two (2) 138 kV circuit switchers CS-10375 and CS-10385 with associated disconnect switches 10374, 10384 and bypass switches 10377, 10387
   - Two (2) power transformer T-1 and T-2 with associated surge arresters
   - All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
   - All underground distribution circuits including insulators, conductors, jumpers and hardware
   - All distribution circuit breakers including jumpers, protective relay packages and foundations
   - All distribution and total bays including box structure, A-frames, trusses, insulators, disconnect switches, surge arresters, 12.5 kV operating and transfer buses and associated cabling
   - Two (2) 12.5 kV bus potential transformers PT-1 and PT-3 with associated fused disconnect switches

- One (1) metering current transformer CT-2 (internal to T-2)
- Control house (25' 7" X 25' 7') and battery
- Two (2) modulation transformers MTU-1 and MTU-2 with associated surge arresters, fused disconnect switches and OMU units
- Two (2) 12.5 kV station service SS-1 and SS-2 with associated fused disconnect switches

LCRA TSC owns:

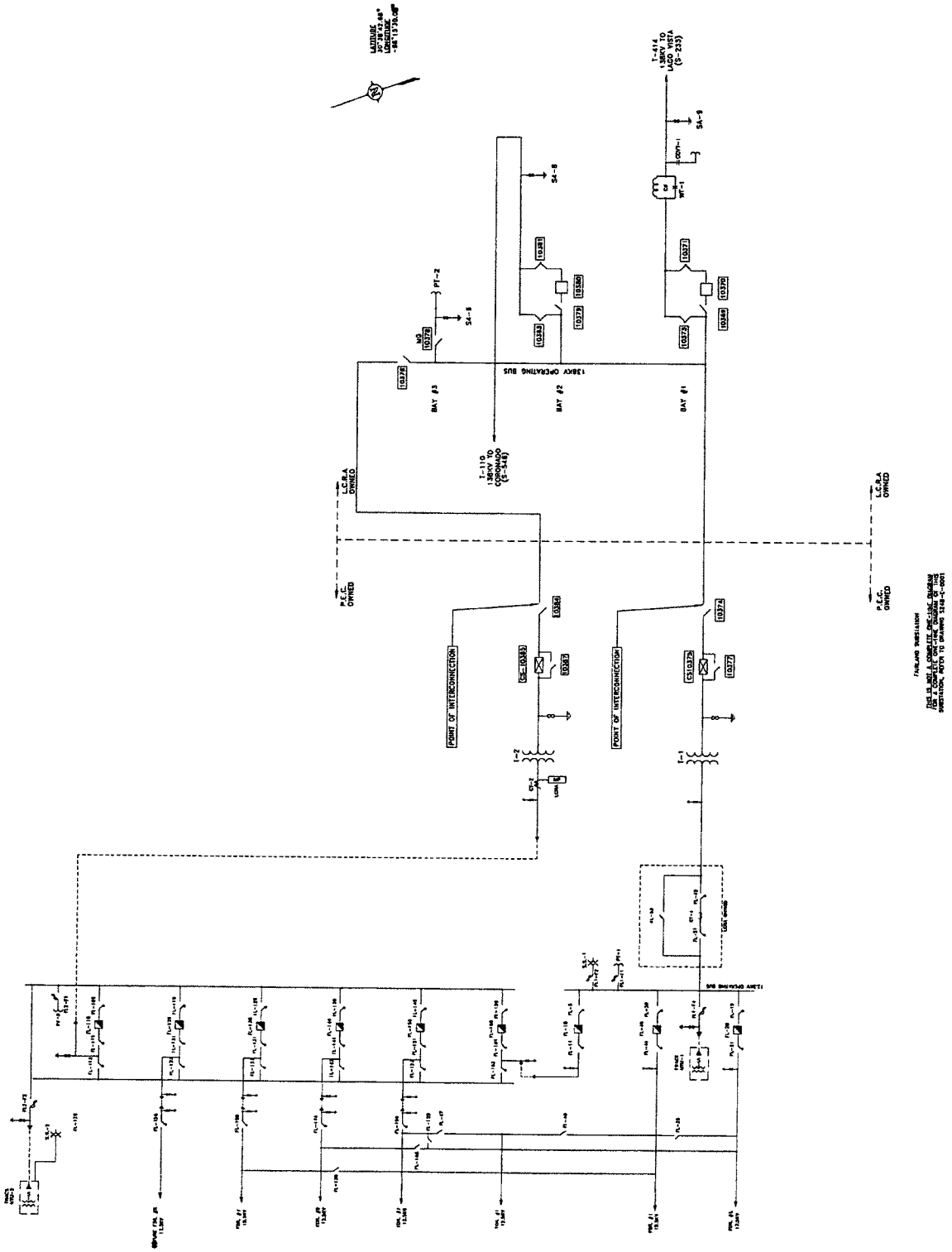
- 138 kV dead-end structures, foundations, insulators and jumpers
- 138 kV operating bus including structures, insulators, foundations and jumpers
- Two (2) 138 kV circuit breakers 10370 and 10380 including foundation, jumpers and protective relay packages
- Seven (7) 138 kV switches 10369, 10371, 10373, 10376, 10379, 10381 and 10383
- One (1) 138 kV motor operated switch 10378
- One (1) 12.5 kV metering current transformer CT-1 with associated disconnect and bypass switches FL-49, FL-51 and FL-53
- Three (3) 138 kV surge arresters SA-6, SA-8 and SA-9
- One (1) 138 kV wave trap and tuner WT-1
- One (1) 138 kV bus potential transformer PT-2
- One (1) 138 kV coupling capacitor voltage transformer CCVT-1
- Control house

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:** PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

FAIRLAND ONE-LINE DIAGRAM



FACILITY SCHEDULE NO. 15

1. **Name:** Fair Oaks Substation **(PEC)**

2. **Facility Location:** The Fair Oaks Substation is located at 245 FM 3351 South, Fair Oaks Ranch, Kendall County, Texas 78006.

3. **Points of Interconnection:** There are two (2) Points of Interconnection in the Fair Oaks Substation generally described as:

   - where the 138 kV bus expansion connector bolts to the 4 hole pad on switch 9334.
   - where the 138 kV bus expansion connector bolts to the 4 hole pad on switch 17762.

4. **Transformation Services Provided by LCRA TSC:** No

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 138 kV

7. **Metered Voltage and Location:** The metering voltage is 24.9 kV. The metering current transformers are inside transformers T-1 and T-2. The bus potential transformers are located on the 24.9 kV operating buses

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
   PEC owns:
   The Fair Oaks Substation including, but not limited to, the following items:
   - Two (2) 138 kV circuit switchers CS-9335 and CS-17765 with associated disconnect switches 9334 and 17762 and bypass switches 9337 and 17767
   - Two (1) power transformers T-1 and T-2 with associated surge arresters
   - All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
   - All distribution, total and operating bus tie circuit breakers including jumpers, protective relay packages and foundations
   - All distribution, total and bus tie bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 24.9 kV operating and transfer buses and associated cabling
   - Two (2) 24.9 kV potential transformers PT-1 and PT -2 with associated fused switches
   - Two (2) metering current transformers CT-1 and CT-2 (internal to T-1 and T-2)
   - Two (2) modulation transformers MTU-1 and MTU-2 with associated surge arresters, fused disconnect switches and OMU units
   - Two (2) 24.9 kV station service SS-1 and SS-2 with associated fused disconnect

switches
- Control house (30' X 30') and battery

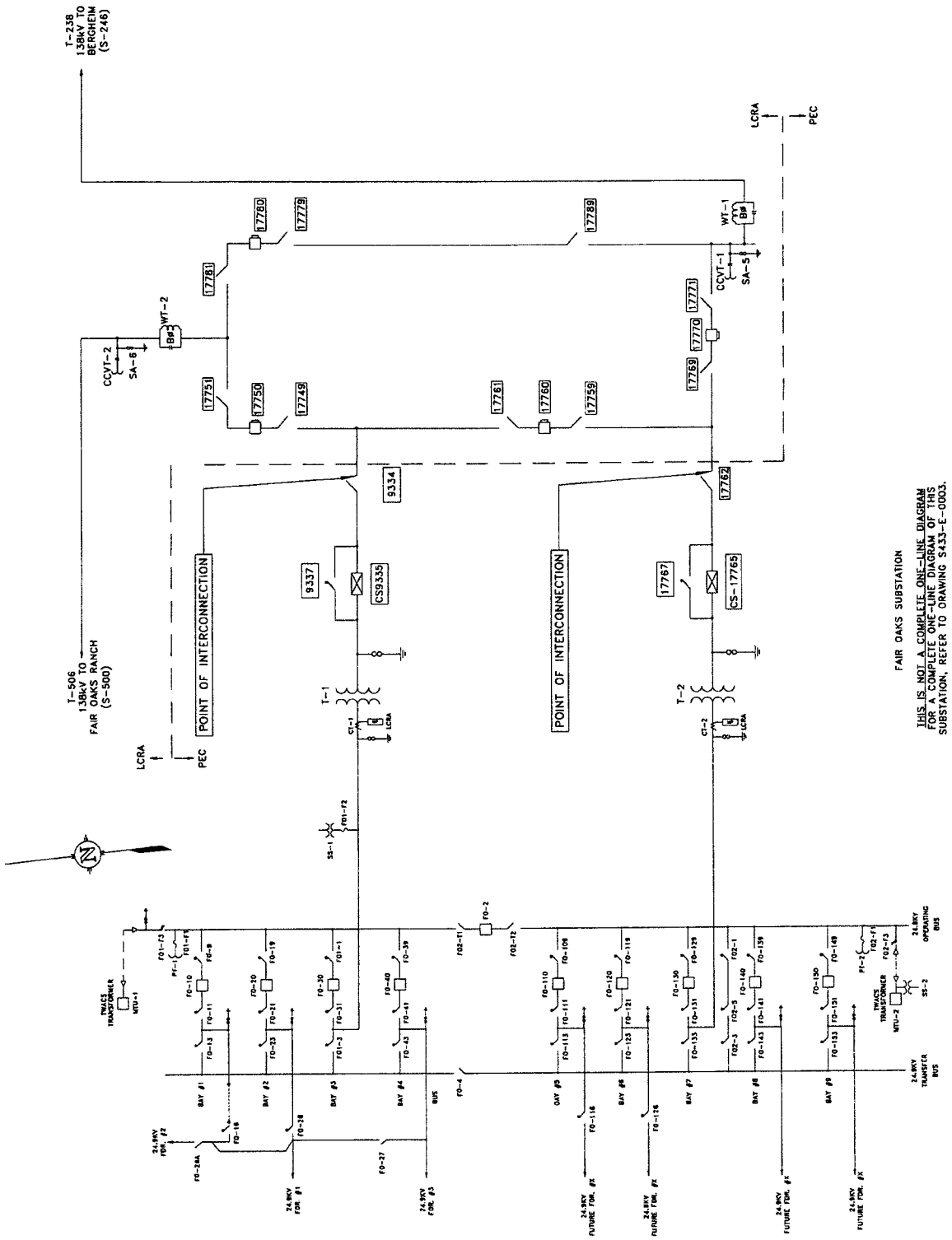
LCRA TSC owns:
- 138 kV ring bus including structures, insulators, foundations and jumpers
- 138 kV dead-end structures, foundations, insulators and jumpers
- Four (4) 138 kV circuit breakers 17750, 17760, 17770 and 17780 including foundation, jumpers and protective relay packages
- Nine (9) 138 kV switches 17749, 17751, 17759, 17761, 17769, 17771, 17779, 17781 and 17789
- Two (2) 138 kV coupling capacitor voltage transformer CCVT-1 and CCVT-2
- Two (2) 138 kV wave traps and tuners WT-1 and WT-2
- Two (2) 138 kV surge arresters SA-5 and SA-6
- Control house (24' X 33') and battery

10. Operational Responsibilities of Each Party: Each Party is responsible for the operation on the equipment it owns.

11. Maintenance Responsibilities of Each Party: Each Party will be fully responsible for the maintenance of the equipment it owns.

12. Other Terms and Conditions: PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

FAIR OAKS ONE-LINE DIAGRAM



FACILITY SCHEDULE NO. 16

1. **Name:** Friendship Substation **(PEC)**

2. **Facility Location:** The Friendship Substation is located at 14100 FM 1826, Austin, Hays County, Texas 78737.

3. **Points of Interconnection:** There are two (2) Points of Interconnection in the Friendship Substation generally described as:

   - where the 138 kV operating bus expansion connector bolts to the 4 hole pad on switch 6429.
   - where the 138 kV transfer bus terminal connector bolts to the 4 hole pad on switch 6433

4. **Transformation Services Provided by LCRA TSC:** No

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 138 kV

7. **Metered Voltage and Location:** The metering voltage is 24.9 kV. The metering current transformers are inside T-2 and FS-50. The bus potential transformers are located on both 24.9 kV operating buses.

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
   PEC owns:
   The Friendship Substation including, but not limited to, the following items:
   - 138 kV dead-end structures, foundations, insulators and jumpers (except for one A-frame, truss and foundation in bay #3)
   - 138 kV operating and transfer bus including structures, insulators, foundations and jumpers
   - Seven (7) 138 kV switches 6409, 6411, 6413, 6419, 6421, 6423 and 6434 including switch stands, foundations and jumpers.
   - Two (2) 138 kV circuit breakers 6410 and 6420 including foundation, jumpers and protective relay packages
   - One (1) 138 kV surge arrester
   - One (1) 138 kV bus potential transformer PT-1
   - Two (2) 138 kV coupling capacitors CC-1 and CC-2
   - Two (2) 138 kV wave traps and tuners WT-1/LT-1 and WT-2/LT-2
   - Three (3) 138 kV circuit switchers CS-6405, CS-6415, CS-6425 with associated disconnect switches 6404, 6414, 6424 and bypass switches 6407, 6427
   - Two (2) power transformers T-1 and T-2 with associated surge arresters

- One (1) 15 kV single phase current transformer CT-4
- One (1) 69 kV capacitor bank potential transformer PT-3
- All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
- All distribution and total circuit breakers including jumpers, protective relay packages and foundations
- All distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 24.9 kV operating and transfer bus and associated cabling
- Two (2) metering current transformers CT-1 and CT-2 (inside FS-50 and T-2)
- One (1) 138 kV capacitor bank CAP-1 including support structure and foundation
- One (1) 138 kV current transformer CT-3
- Two (2) modulation transformers MTU-1 and MTU-2 with associated surge arresters, fused disconnect switches and OMU units
- Control house and battery
- Two (2) 24.9 kV station service SS-1 and SS-2 with associated fused disconnect switches
- Two (2) 24.9 kV bus potential transformers PT-2 and PT-4 with associated fused disconnect switches

LCRA TSC owns:

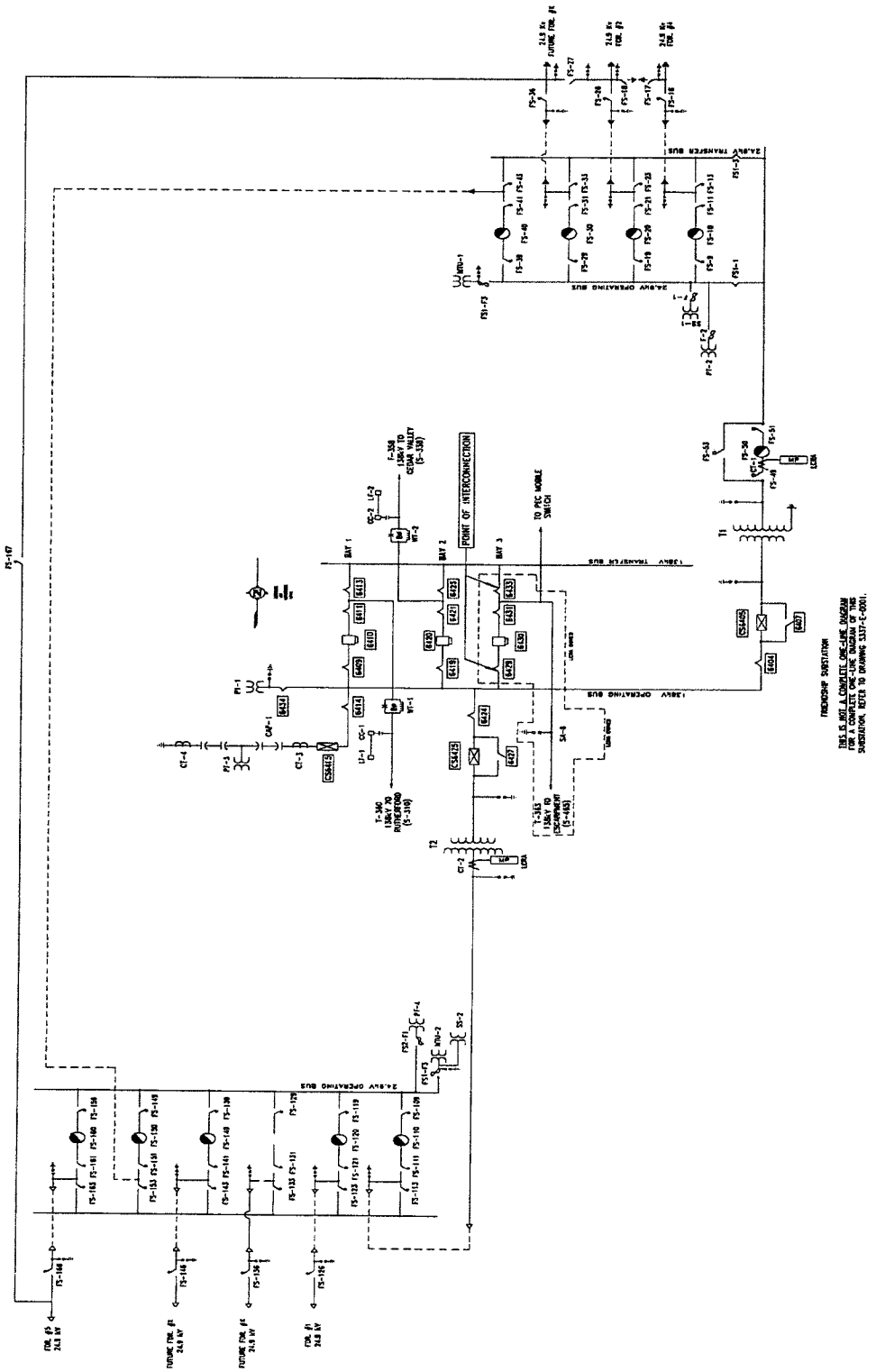
- 138 kV A-frame dead-end structure (1) A-frame and truss in bay #3, foundation, insulators and jumpers
- One (1) 138 kV circuit breaker 6430 including foundation, jumpers and protective relay package
- Three (3) 138 kV switches 6429, 6431 and 6433 including switch stands, foundations and jumpers
- One (1) 138 kV surge arrester SA-8

10. Operational Responsibilities of Each Party: Each Party is responsible for the operation of the equipment it owns.

11. Maintenance Responsibilities of Each Party: Each Party will be fully responsible for the maintenance of the equipment it owns.

12. Other Terms and Conditions: PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

FRIENDSHIP ONE-LINE DIAGRAM



FACILITY SCHEDULE NO. 17

1. **Name:** Gabriel Substation **(LCRA)**

2. **Facility Location:** The Gabriel Substation is located at 200 County Road 151, Georgetown, Williamson County, Texas 78626.

3. **Points of Interconnection:** There is one (1) Point of Interconnection in the Gabriel Substation generally described as:

    - where the 138 kV conductor from bay 7 terminates at the dead end insulator on PEC's a-frame above switch 5411.

4. **Transformation Services Provided by LCRA TSC:** No

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 138 kV

7. **Metered Voltage and Location:** The metering voltage is 24.9 kV. The metering current transformer is in the total bay for T-4. The bus potential transformer is located on the 24.9 kV operating bus.

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
PEC owns:
    - One (1) 138 kV dead-end structure, foundations, insulators and jumpers
    - 138 kV operating bus #2 including structures, insulators, foundations and jumpers
    - One (1) 138 kV circuit switcher CS-5435 with bypass switch 5436
    - One (1) 138 kV switch 5411
    - One (1) power transformer T-4 with associated surge arresters
    - All T-4 distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
    - All T-4 distribution circuit breakers including jumpers, protective relay packages and foundations
    - All T-4 distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 24.9 kV operating and transfer bus and associated cabling
    - One (1) modulation transformer MTU-1 with associated surge arrester, fused disconnect switch and OMU unit
    - Control house (24' x 24') and battery
    - One (1) 24.9 kV station service SS-1 with associated fused disconnect switch
    - One (1) 24.9 kV bus potential transformer PT-1 with associated fused disconnect switch

- One (1) 24.9 kV bus transformer disconnect switch GB4-5 with vacuum interrupters

LCRA TSC owns:

The Gabriel Substation including, but not limited to, the following items:

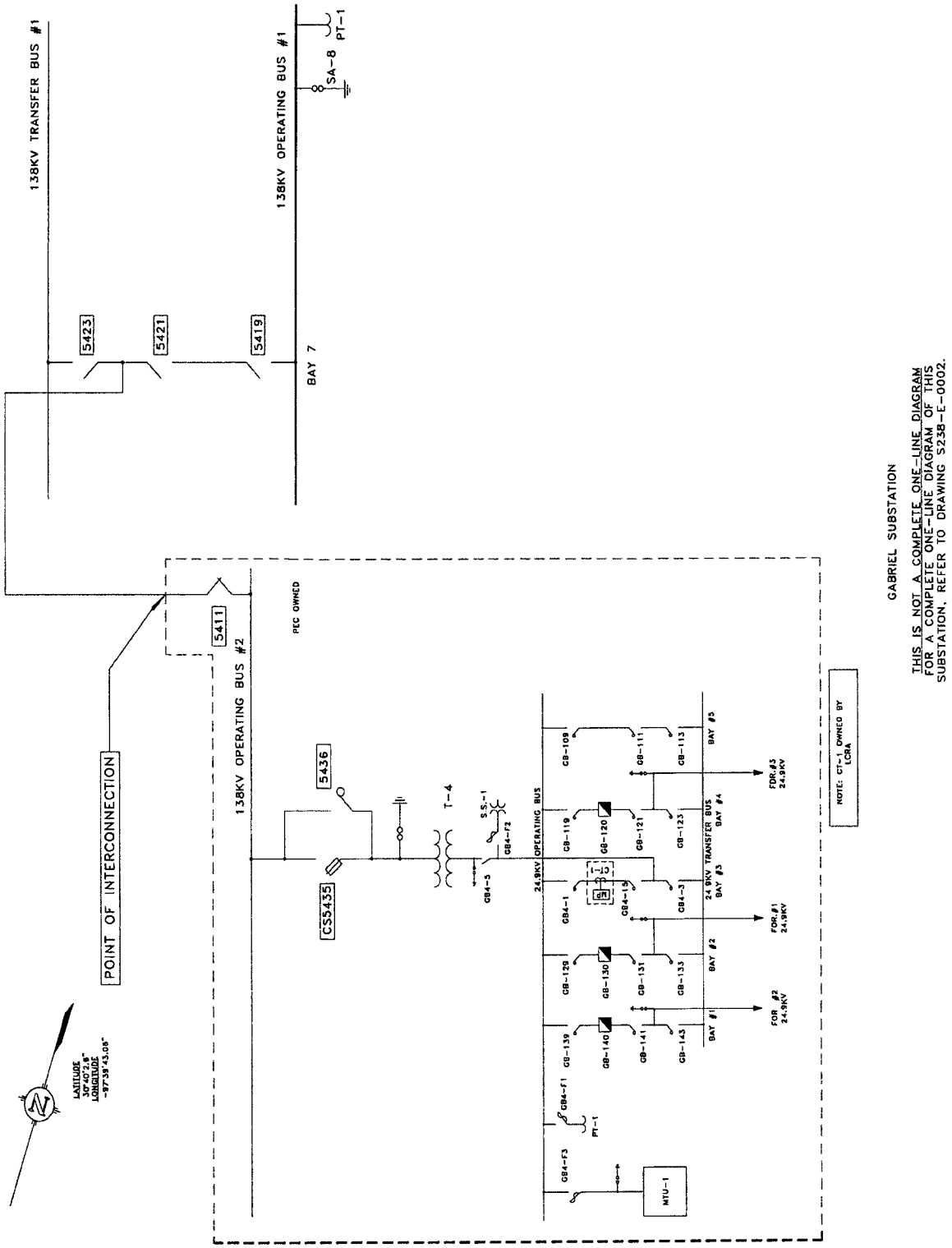
- 138 kV operating bus #1 and transfer bus #1 including structures, insulators, foundations and jumpers
- Three (3) 138 kV switches 5419, 5421 and 5423
- One (1) 138 kV bus potential transformer PT-1
- One (1) 138 kV surge arrester SA-8
- One (1) 24.9 kV metering current transformer CT-1
- Control house (30' x 45') and battery bank
- Underfrequency relay panel

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:** PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

GABRIEL ONE-LINE DIAGRAM



GABRIEL SUBSTATION

THIS IS NOT A COMPLETE ONE-LINE DIAGRAM.
FOR A COMPLETE ONE-LINE DIAGRAM OF THIS SUBSTATION, REFER TO DRAWING S238-E-0002.

FACILITY SCHEDULE NO. 18

1. **Name:** Glasscock Substation **(LCRA)**

2. **Facility Location:** The Glasscock Substation is located at 3540 State Hwy 195, Georgetown, Williamson County, Texas 78628.

3. **Points of Interconnection:** There are nine (9) Points of Interconnection in the Glasscock Substation generally described as:

   - where the incoming distribution line connects to the tubular bus between switches GL-11 and GL-13 at breaker GL-10.
   - where the jumper from breaker GL-10, passing through CT-1, connects to the 4 hole pad on switch GL-9.
   - where the jumper from breaker GL-10 connects to the 4 hole pad on switch GL-11.
   - where the incoming distribution line connects to the tubular bus between switches GL-21 and GL-23 at breaker GL-20.
   - where the jumper from breaker GL-20, passing through CT-2, connects to the 4 hole pad on switch GL-19.
   - where the jumper from breaker GL-20 connects to the 4 hole pad on switch GL-21.
   - where the incoming distribution line connects to the tubular bus between switches GL-41 and GL-43 at breaker GL-40.
   - where the jumper from breaker GL-40, passing through CT-3, connects to the 4 hole pad on switch GL-39.
   - where the jumper from breaker GL-40 connects to the 4 hole pad on switch GL-41.

4. **Transformation Services Provided by LCRA TSC:** Yes

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 24.9 kV

7. **Metered Voltage and Location:** The metering voltage is 24.9 kV. The metering current transformer is inside transformer PWT-1, T-1. The bus potential transformer is located on the 24.9 kV operating bus.

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
   PEC owns:
   - Three (3) distribution circuit breakers GL-10, GL-20, GL-40 including jumpers and protective relay packages

- Four (4) distribution circuit breaker foundations in bays 1, 2, 4 and 5
- One (1) modulation transformer MTU-1 with associated surge arresters, fused disconnect switch and OMU unit

LCRA TSC owns:

The Glasscock Substation including, but not limited to, the following items:

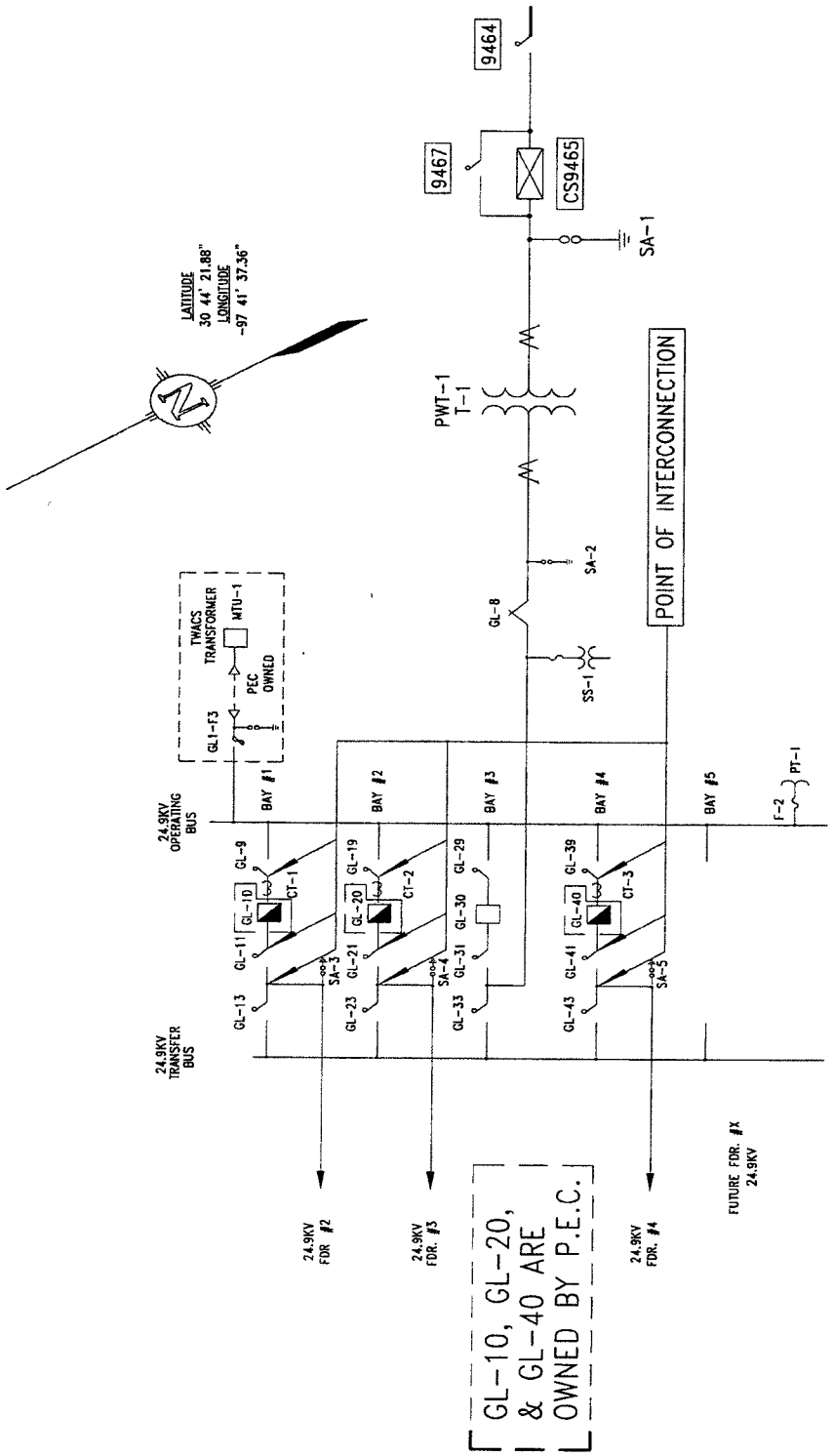
- One (1) 138 kV circuit switcher CS-9465 with associated disconnect switch 9464 and bypass switch 9467
- One (1) power transformer PWT-1, T-1 with associated surge arresters
- All distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 24.9 kV operating and transfer bus, current transformers and associated cabling
- One (1) PWT-1, T-1 24.9 kV transformer bus disconnect switch GL-8
- One (1) total circuit breaker GL-30 with jumpers, protective relaying and foundation
- Control house and battery bank
- One (1) 24.9 kV station service SS-1 with associated fused disconnect switch
- One (1) 24.9 kV bus potential transformer PT-1 with associated fused disconnect switch

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:** PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

GLASSCOCK ONE-LINE DIAGRAM



FACILITY SCHEDULE NO. 19

1. **Name:** Goforth Substation **(PEC)**

2. **Facility Location:** The Goforth Substation is located at 106 Bunton Land, Kyle, Hays County, Texas 78640.

3. **Points of Interconnection:** There are Two (2) Points of Interconnection in the Goforth Substation generally described as:

   - where the 138 kV bus expansion connector bolts to the 4 hole pad on switch 5604.
   - where the 138 kV bus terminal connector bolts to the 4 hole pad on switch 12524.

4. **Transformation Services Provided by LCRA TSC:** No

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 138 kV

7. **Metered Voltage and Location:** The metering voltage is 24.9 kV. The metering current transformers are inside transformers T-1 and T-2. The bus potential transformers are located on 24.9 kV operating bus (T-1) and 24.9 kV operating bus (T-2).

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
   PEC owns:
   The Goforth Substation including, but not limited to, the following items:
   - Two (2) 138 kV circuit switchers CS-5605 and CS-12525 with associated disconnect switches 5604, 12524 and bypass switches 5607, 12527
   - One (1) 138 kV switch 12556
   - Two (2) power transformers T-1 and T-2 with associated surge arresters
   - Two (2) metering current transformers CT-1 and CT-2 (internal to T-1 and T-2)
   - All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
   - All distribution, bus tie and total circuit breakers including jumpers, protective relay packages and foundations
   - All distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 24.9 kV operating and transfer bus (T-1 and T-2) and associated cabling
   - One (1) 24.9 kV T-1 bus disconnect switch GF1-5
   - Two (2) modulation transformers MTU-1 and MTU-2 with associated surge arresters, fused disconnect switches and OMU units
   - Two (2) 24.9 kV station service SS-1 and SS-2 with associated disconnect switches

- Two (2) 24.9 kV bus potential transformers PT-1 and PT-2 with associated disconnect switches
- Control house (24' X 24') and battery

LCRA TSC owns:

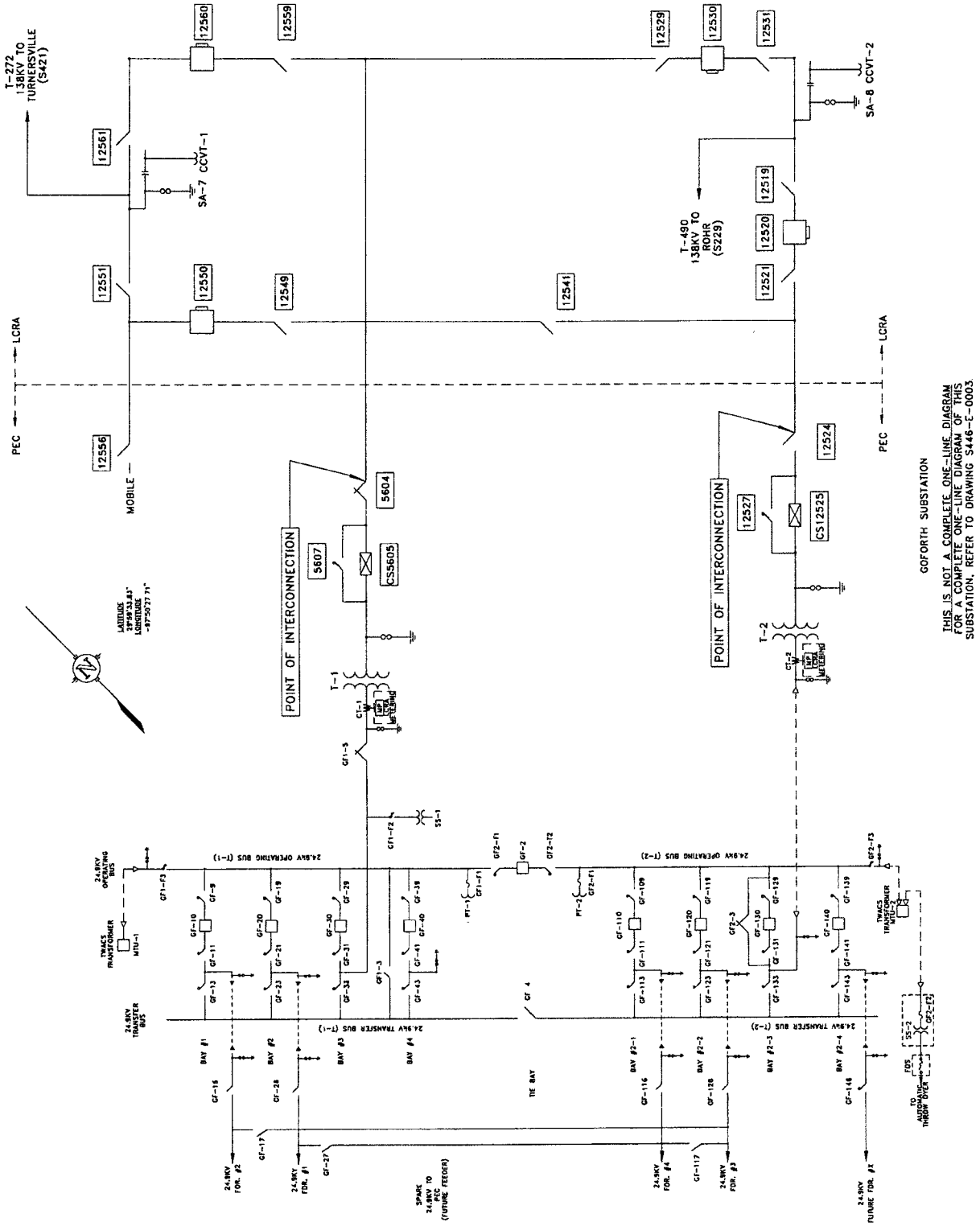
- 138 kV dead-end structures, foundations, insulators and jumpers
- 138 kV ring bus including structures, insulators, foundations and jumpers
- Four (4) 138 kV circuit breakers 12520, 12530, 12550 and 12560 including foundation, jumpers and protective relay packages
- Nine (9) 138 kV switches 12519, 12521, 12529, 12531, 12541, 12549, 12551, 12559 and 12561
- Two (2) 138 kV coupling capacitor voltage transformers CCVT-1 and CCVT-2
- Two (2) 138 kV surge arresters SA-7 and SA-8
- Control house (24' X 33') and battery
- Underfrequency relay panel

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:** PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

GOFORTH ONE-LINE DIAGRAM



FACILITY SCHEDULE NO. 20

1. **Name:** Granite Mountain Substation **(PEC)**

2. **Facility Location:** The Granite Mountain Substation is located at 2601 W. FM 1431, Marble Falls, Burnet County, Texas 78654.

3. **Points of Interconnection:** There are two (2) Points of Interconnection in the Granite Mountain Substation generally described as:

   - where the incoming LCRA TSC 138 kV transmission line from Marble Falls terminates at the dead end structure in the substation.
   - where the incoming LCRA TSC 138 kV transmission line from Ferguson terminates at the dead end structure in the substation.

4. **Transformation Services Provided by LCRA TSC:** No

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 138 kV

7. **Metered Voltage and Location:** The metering voltage is 12.5 kV. The metering current transformers are inside transformers T-1 and T-2. The bus potential transformers are located on the 12.5 kV T-1 operating bus and 12.5 kV T-2 operating bus.

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
   PEC owns:
   The Granite Mountain Substation including, but not limited to, the following items:
   - Line protection equipment for the LCRA TSC owned Granite Mountain to Marble Falls transmission line
   - Line protection equipment for the LCRA TSC owned Granite Mountain to Ferguson transmission line
   - 138 kV dead-end structures, foundations, insulators and jumpers
   - 138 kV operating bus including structures, insulators, foundations and jumpers
   - Two (2) 138kV circuit breakers 9200 and 9210 including foundation, jumpers and protective relay packages
   - Eight (8) 138 kV switches 9201, 9203, 9199, 9211, 9213, 9209, 8576, 9198
   - One (1) 138 kV bus potential transformer PT-3 with associated surge arrester
   - Two (2) 138 kV wave traps WT-1 and WT-2
   - Two (2) 138 kV line tuners LT-1 and LT-2
   - Two (2) 138 kV coupling capacitors CC-1 and CC-2
   - Two (2) 138 kV circuit switchers CS-8615 and CS-8575 with associated disconnect switches 8614 and 8574 and bypass switches 8617 and 8577

- Two (2) power transformers T-1 and T-2 with associated surge arresters
- Two (2) metering current transformers CT-1 and CT-2 (internal to T-1 and T-2)
- All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
- All distribution circuit breakers including jumpers, protective relay packages and foundations
- All distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 12.5 kV operating and transfer bus and associated cabling
- Two (2) 12.5 kV bus disconnect switches GR1-5 and GR2-5
- Two (2) 12.5 kV bus potential transformers PT-1 and PT-2 with associated fused disconnect switches
- Two (2) modulation transformers MTU-1 and MTU-2 with associated surge arresters, fused disconnect switched and OMU units
- Control house and battery
- Two (2) 12.5 kV station service SS-1 and SS-2 with associated fused disconnect switches

LCRA TSC owns:

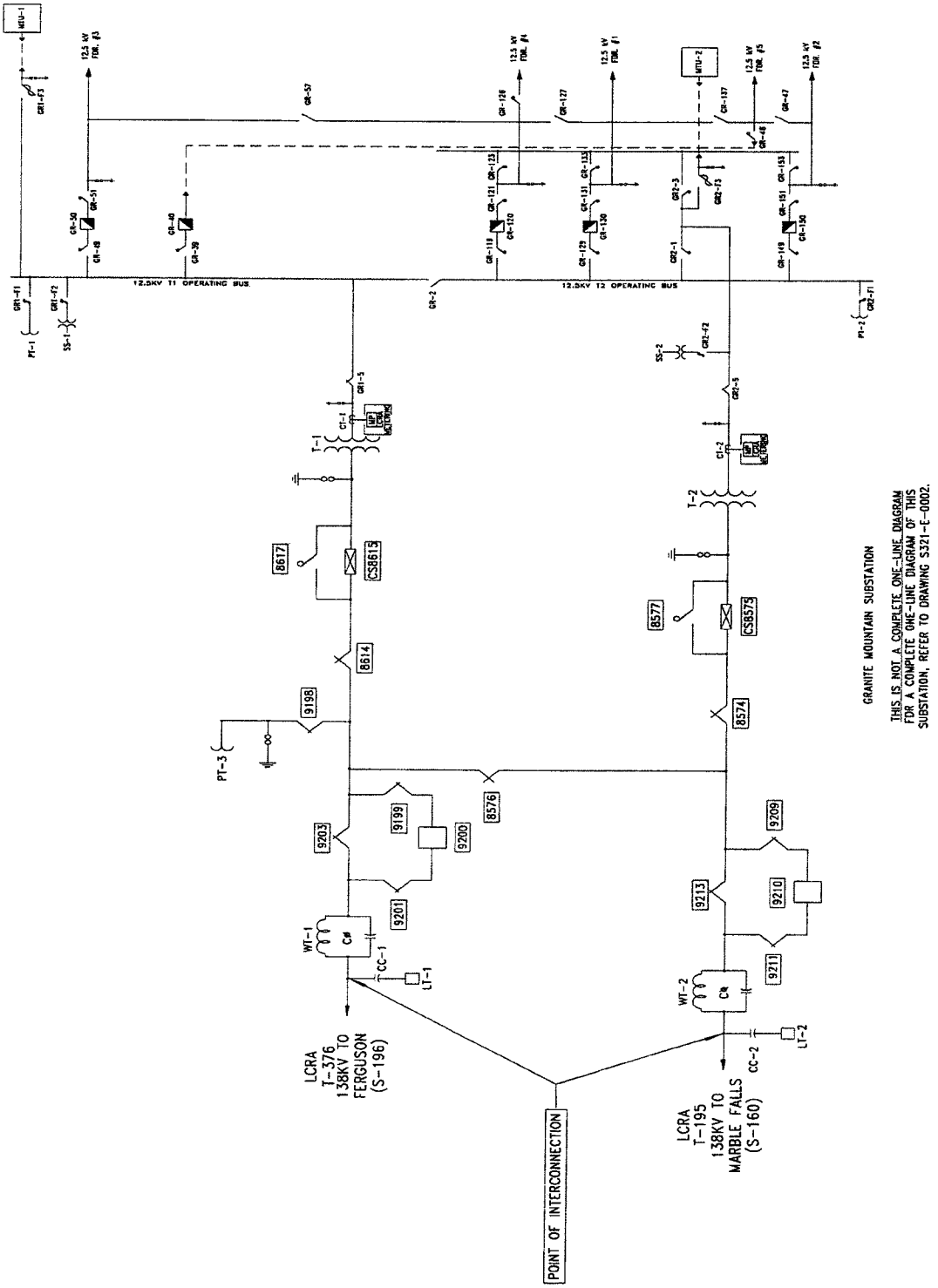
- The following transmission lines comprised of conductors, insulators, and connecting hardware:
  - Granite Mountain to Marble Falls 138 kV transmission line
  - Granite Mountain to Ferguson 138 kV transmission line

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:** PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

GRANITE MOUNTAIN ONE-LINE DIAGRAM



FACILITY SCHEDULE NO. 21

1. **Name:** Graphite Mine Substation **(PEC)**

2. **Facility Location:** The Graphite Mine Substation is located at 350 CR 113 (Graphite Mine Rd.), Burnet, Burnet County, Texas 78611.

3. **Points of Interconnection:** There is one (1) Point of Interconnection in the Graphite Mine Substation generally described as:

   - where the jumper from the 138 kV wire bus, running between switches 3716 and 3718, connects to switch 3744.

4. **Transformation Services Provided by LCRA TSC:** No

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 138 kV

7. **Metered Voltage and Location:** The metering voltage is 12.5 kV. The metering current transformer is located in the total bay. The bus potential transformer is located on the T-1, 12.5 kV transformer bus.

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
   PEC owns:
   The Graphite Mine Substation including, but not limited to the following items:
   - One (1) 138 kV circuit switcher CS-3745 with associated disconnect switch 3744 and bypass switch 3747
   - One (1) power transformer T-1 with associated surge arresters
   - All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
   - All distribution circuit breakers including jumpers, protective relay packages and foundations
   - All distribution and total bays including A-frame, foundations, trusses, insulators, disconnect switches, surge arresters, 12.5 kV operating bus and associated cabling
   - One (1) 12.5 kV bus potential transformer PT-1 with associated fused disconnect switch
   - Three (3) 12.5 kV single phase regulators REG-1 with associated disconnect and bypass switches
   - One (1) modulation transformer MTU-1 with associated surge arrester, fused disconnect and OMU unit
   - One (1)_12.5 kV station service SS-1 with associated fused disconnect switch
   - Control house and battery

LCRA TSC owns:

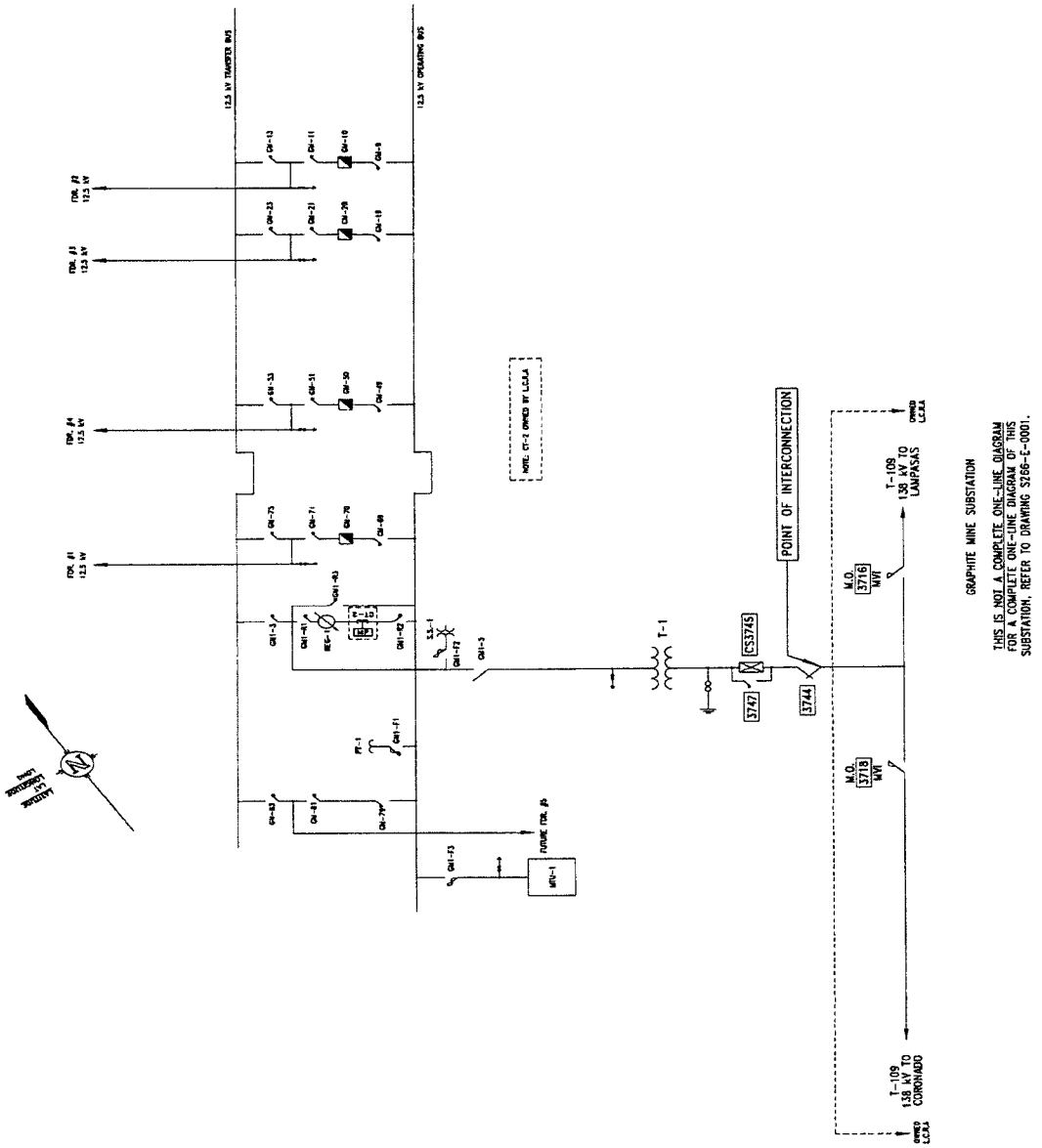
- Two (2) 138 kV dead-end A-frame structures, foundations, insulators and jumpers
- 138 kV operating bus including conductor, insulators
- Two (2) 138 kV motor operated switches with interrupters MO-3716 and MO-3718
- One (1) metering current transformer CT-2
- Underfrequency relay panel

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:** PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

GRAPHITE MINE ONE-LINE DIAGRAM



FACILITY SCHEDULE NO. 22

1. **Name:** Horseshoe Bay Substation (**PEC**)

2. **Facility Location:** The Horseshoe Bay Substation is located at 9760 W. FM 2147, Cottonwood Shores, Llano County, Texas 78654.

3. **Points of Interconnection:** There are two (2) Points of Interconnection in the Horseshoe Bay Substation generally described as:

   - where the 138 kV bus expansion connector bolts to the 4 hole pad on switch 12854.
   - where the 138 kV bus expansion connector bolts to the 4 hole pad on switch 12858.

4. **Transformation Services Provided by LCRA TSC:** No

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 138 kV

7. **Metered Voltage and Location:** The metering voltage is 12.5 kV. The metering current transformers are inside total breaker HS-50 for T-1 and inside T-2. The bus potential transformers are located on the 12.5 kV operating buses.

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
   PEC owns:
   The Horseshoe Bay Substation including, but not limited to, the following items:
   - Two (2) 138 kV circuit switchers CS-12845 and CS-12855 with associated disconnect switches 12854, 12858 and bypass switches 12847, 12857
   - Two (2) power transformers T-1 and T-2 with associated surge arresters
   - Two (2) metering current transformers CT-1 and CT-2 (internal to HS-50 and T-2)
   - All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
   - All distribution, bus tie and total circuit breakers including jumpers, protective relay packages and foundations
   - All distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 12.5 kV operating and transfer bus, bus potential transformers and associated cabling
   - Two (2) 12.5 kV bus potential transformers PT-1 and PT-2 with associated fused disconnect switches
   - Two (2) modulation transformers MTU-1 and MTU-2 with associated surge

arresters, fused disconnect switches and OMU units

- Control house (24' X 24') and battery

- Two (2) 12.5 kV station service SS-1 and SS-2 with associated fused disconnect switches

LCRA TSC owns:

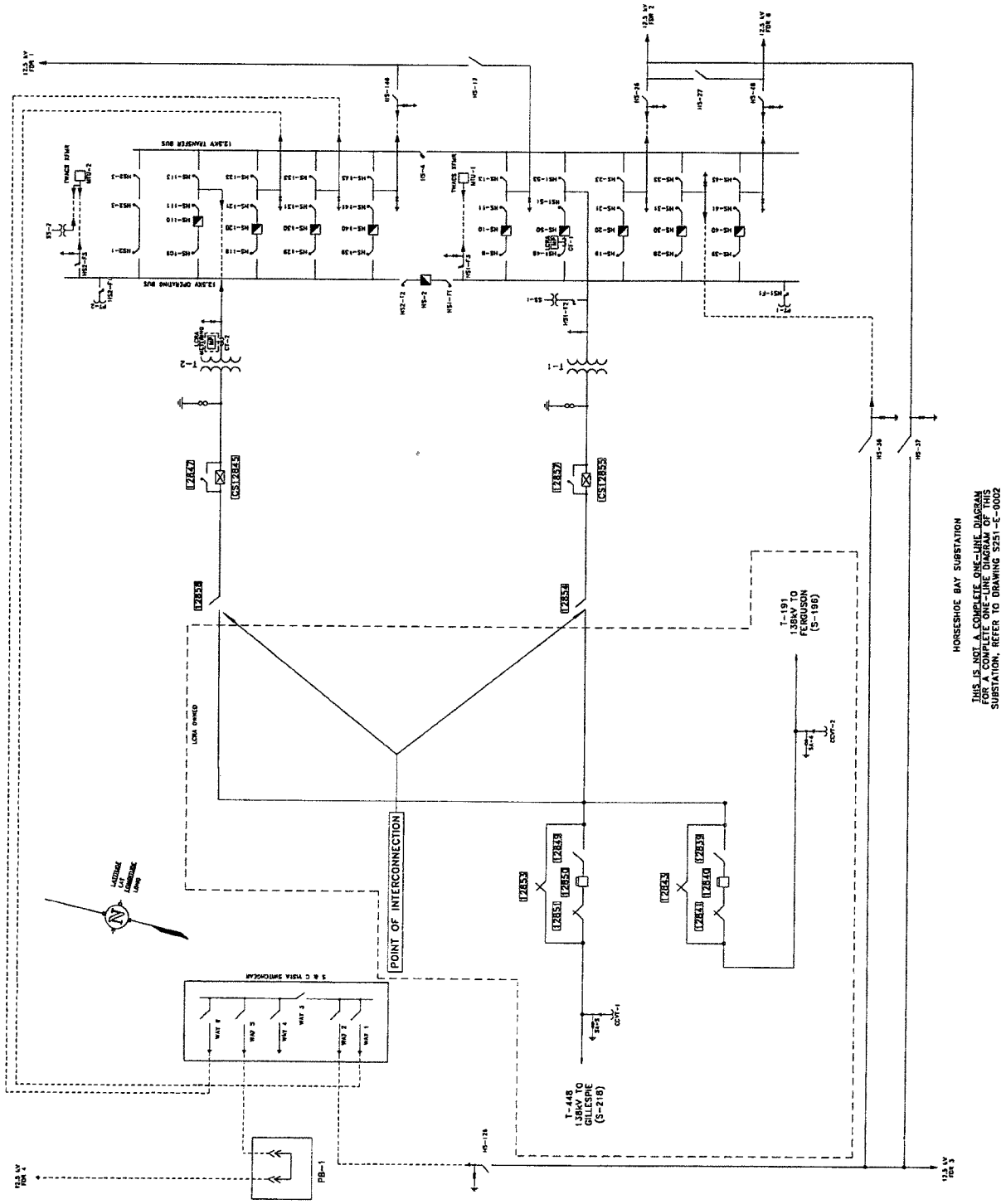
- 138 kV dead-end structures, foundations, insulators and jumpers
- 138 kV operating bus including structures, insulators, foundations and jumpers
- Two (2) 138 kV circuit breakers 12840 and 12850 including foundation, jumpers and protective relay packages
- Six (6) 138 kV switches 12839, 12841, 12843, 12849, 12851 and 12853
- Two (2) 138 kV coupling capacitor voltage transformers CCVT-1 and CCVT-2
- Two (2) 138 kV surge arresters SA-3 and SA-4
- Control house (27' X 21') and battery
- Underfrequency relay panel

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:** PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

HORSESHOE BAY ONE-LINE DIAGRAM



FACILITY SCHEDULE NO. 23

1. **Name:** Inks Dam Substation **(LCRA)**

2. **Facility Location:** The Inks Dam Substation is located at 2639 CR 301, Buchanan Dam, Llano County, Texas 78609.

3. **Points of Interconnection:** There are four (4) Points of Interconnection in the Inks Dam Substation generally described as:

   - where the jumper from IN-40, passing through CT-3, connects to IN-39.
   - where the jumper from IN-40 connects to IN-41.
   - where the jumper from the PEC distribution line connects to IN-43.
   - where the jumper from the PEC distribution line connects to IN-41.

4. **Transformation Services Provided by LCRA TSC:** Yes

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 12.5 kV

7. **Metered Voltage and Location:** The metering voltage is 12.5 kV. The metering current transformer is in the 12.5 kV distribution circuit between IN-40 and IN-39. The bus potential transformer is located on the 12.5 kV operating bus.

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
   PEC owns:
   - One (1) 12.5 kV distribution circuit including dead end insulators that attach to the dead end structure, conductors, and hardware
   - One (1) 12.5 kV distribution circuit breaker IN-40 including jumpers and protective relay packages
   - One (1) modulation transformer MTU-1 with associated surge arrester, fused disconnect switch and OMU unit

   LCRA TSC owns:
   The Inks Dam Substation including, but not limited to, the following items:
   - 69 kV dead-end box structure, foundations, insulators and jumpers
   - One (1) 12.5 kV current transformer CT-3
   - One (1) 12.5 kV bus potential transformer PT-1 with associated fused disconnect switch
   - Three (3) 12.5 kV switches IN-39, IN-41 and IN-43
   - One (1) 12.5 kV surge arrester SA-2

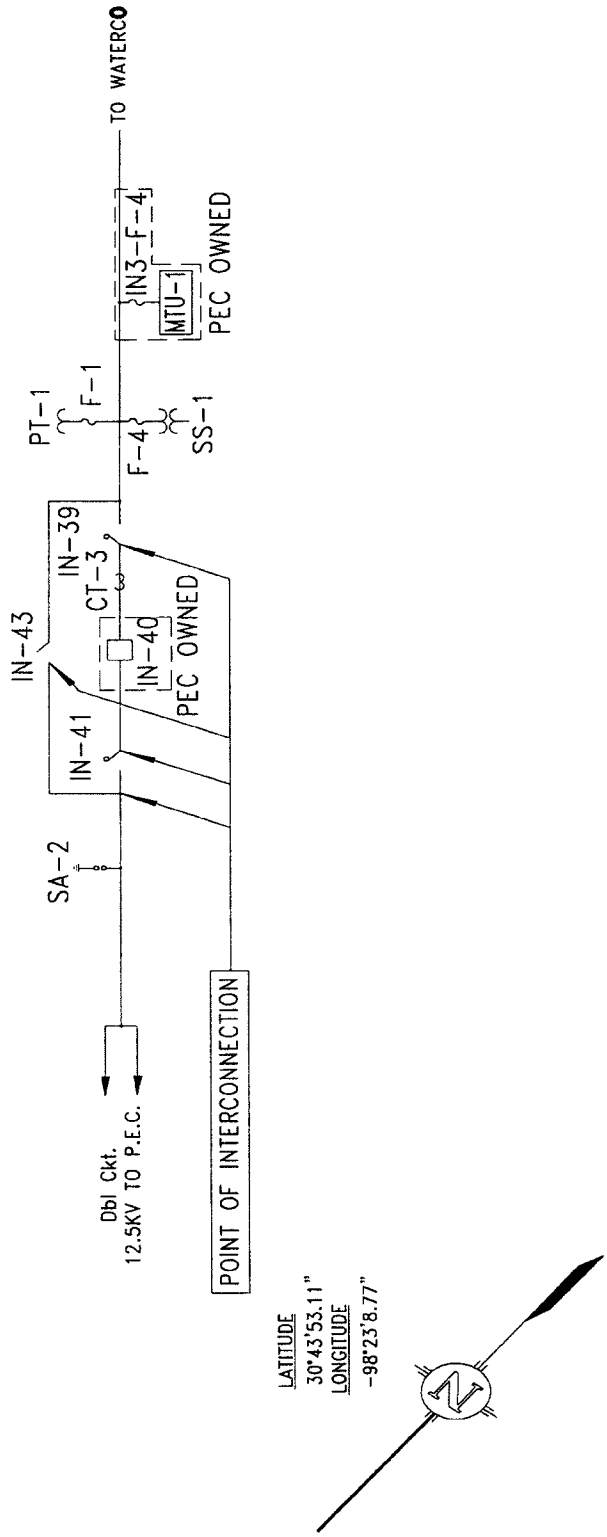
- Portable control house and battery
- One (1) 12.5 kV Station service SS-1 with associated fused disconnect switch

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:** PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

INKS DAM ONE-LINE DIAGRAM



INKS DAM SUBSTATION

THIS IS NOT A COMPLETE ONE-LINE DIAGRAM
FOR A COMPLETE ONE-LINE DIAGRAM OF THIS
SUBSTATION, REFER TO DRAWING S145-E-0012.

FACILITY SCHEDULE NO. 24

1. **Name:** Lago Vista Substation **(PEC)**

2. **Facility Location:** The Lago Vista Substation is located at 6707 Lohman's Ford Rd., Lago Vista, Travis County, Texas 78645.

3. **Points of Interconnection:** There are Four (4) Points of Interconnection in the Lago Vista Substation generally described as:

   - where the 138 kV transfer bus terminal connector bolts to the expansion connector on the tubular jumper at switch 5013.
   - where the 138 kV operating bus terminal connector bolts to the 4 hole pad on switch 5009.
   - where the 138 kV transfer bus terminal connector bolts to the expansion connector on the tubular jumper at switch 5023.
   - where the 138 kV operating bus terminal connector bolts to the 4 hole pad on switch 5019.

4. **Transformation Services Provided by LCRA TSC:** No

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 138 kV

7. **Metered Voltage and Location:** The metering voltage is 12.5 kV. The metering current transformers are inside T-1 and T-2. The bus potential transformers are located on the 12.5 kV operating buses.

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
   PEC owns:
   The Lago Vista Substation including, but not limited to, the following items:
   - 138 kV dead-end structure including 2 heavy duty A-frames and 1 truss in bay #3, foundations, insulators and jumpers
   - One (1) 138 kV circuit breaker 5000 including foundation, jumpers and protective relay package
   - Four (4) 138 kV switches 3462, 4999, 5001 and 5003
   - One (1) 138 kV bus potential transformer PT-1
   - One (1) 138 kV wave trap and tuner WT-1
   - One (1) 138 kV coupling capacitor CC-1
   - One (1) 138 kV surge arrester
   - Two (2) 138 kV circuit switchers CS-3442 and CS-3455 with associated bypass switches 3447, 3457 and disconnect switches 3444, 3454

- Two (2) power transformers T-1 and T-2 with associated surge arresters
- Two (2) metering current transformers CT-1 and CT-4 (internal to T-1 and T-2)
- All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
- All distribution circuit breakers including jumpers, protective relay packages and foundations
- All distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 12.5 kV operating and transfer bus and associated cabling
- Two (2) 12.5 kV bus potential transformers PT-2 and PT-3 with associated fused disconnect switches
- Two (2) modulation transformers MTU-1 and MTU-2 with associated surge arresters, fused disconnect switches and OMU units
- One (1) 138 kV circuit switcher CS-5085 with associated disconnect switch 5084
- One (1) 138 kV capacitor bank CAP-1 including support structure and foundation
- One (1) 69 kV capacitor bank potential transformer PT-4
- One (1) 138 kV capacitor bank current transformer CT-3
- One (1) 25 kV single phase current transformer CT-5
- Control house and battery bank
- Two (2) 12.5 kV station service SS-1 and SS-2 with associated fused disconnect switches

LCRA TSC owns:

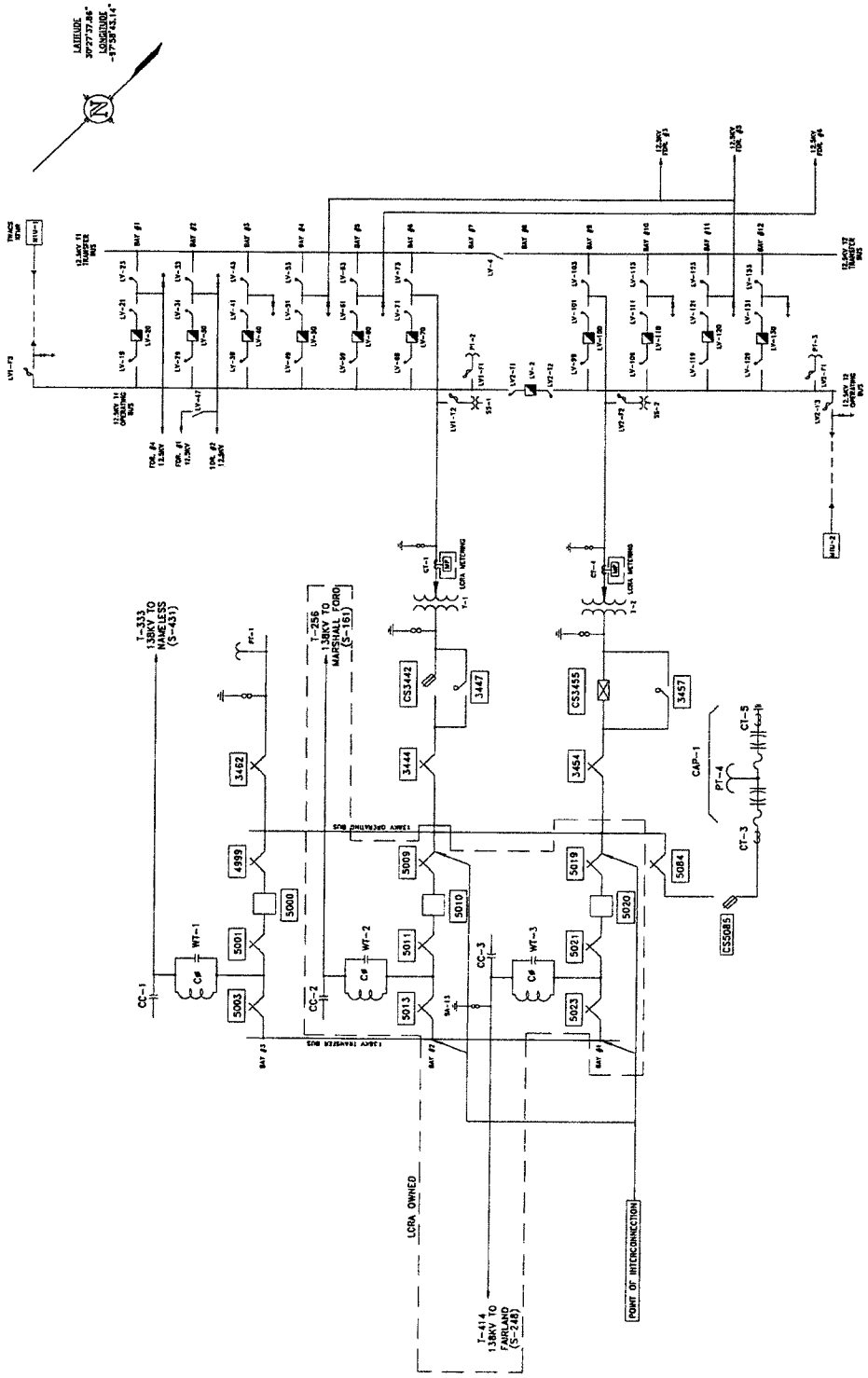
- 138 kV dead-end structure including 2 heavy duty A-frames and 2 trusses in bays #1 and #2, foundations, insulators and jumpers
- Two (2) 138 kV circuit breakers 5010 and 5020 including foundation, jumpers and protective relay package
- Six (6) 138 kV switches 5009, 5011, 5013, 5019, 5021 and 5023
- Two (2) 138 kV wave traps and tuners WT-2 and WT-3
- Two (2) 138 kV coupling capacitors CC-2 and CC-3
- One (1) 138 kV surge arrester SA-13

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:** PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

LAGO VISTA ONE-LINE DIAGRAM



FACILITY SCHEDULE NO. 25

1. **Name:** Lakeway Substation **(PEC/LCRA)**

2. **Facility Location:** The Lakeway Substation is located at 1213 Lohman's Crossing Rd., Lakeway, Travis County, Texas 78734.

3. **Points of Interconnection:** There is one (1) Point of Interconnection in the Lakeway Substation generally described as:

   - where the jumper from the 138 kV operating bus connects to the 4 hole pad on switch 3424.

4. **Transformation Services Provided by LCRA TSC:** No

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 138 kV

7. **Metered Voltage and Location:** The metering voltage is 12.5 kV. The metering current transformer is in the total bay for T-1. The bus potential transformer is located on the 12.5 kV operating bus.

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
   PEC owns:
   The west side of the Lakeway Substation including, but not limited to, the following items:
   - 138 kV dead-end structures (PEC yard) , foundations, insulators and jumpers
   - One (1) circuit switcher CS-3425 with associated disconnect switch 3424 and bypass switch 3427
   - One (1) power transformer T-1 with associated surge arresters
   - All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
   - All distribution circuit breakers including jumpers, protective relay packages and foundations
   - All distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 12.5 kV operating and transfer bus and associated cabling
   - One (1) 12.5 kV transformer bus disconnect switch LW1-5
   - One (1) 12.5 kV bus potential transformer PT-1 with associated fused disconnect switch
   - One (1) modulation transformer MTU-1 with associated surge arrester, fused disconnect switch and OMU unit

- Control house
- Battery house and battery
- One (1) 12.5 kV station service SS-1 with associated fused disconnect switch

LCRA TSC owns:

The ease side of the Lakeway Substation including, but not limited to, the following items (some of this equipment is in the PEC yard)

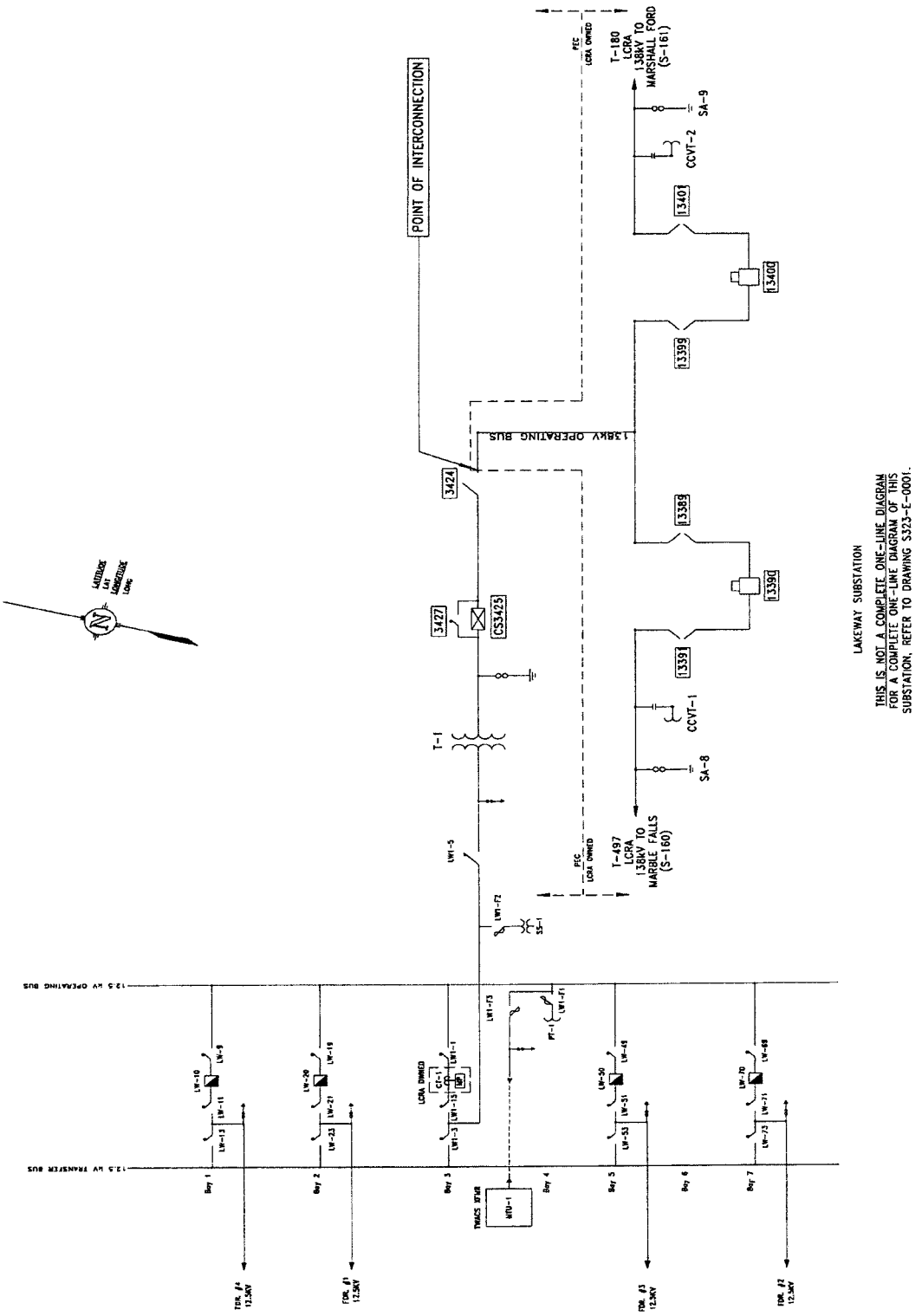
- 138 kV dead-end structures (LCRA TSC yard) , foundations, insulators and jumpers
- Conductors, insulators and jumpers connecting bays #3, #4 and #5 in the LCRA TSC yard to bays #3, #4 and #5 in the PEC yard.
- 138 kV operating bus including structures, insulators, foundations and jumpers
- Two (2) 138 kV circuit breakers 13390 and 13400 including foundation, jumpers and protective relay packages
- Two (2) 138 kV coupling capacitor voltage transformers CCVT-1 and CCVT-2
- Two (2) 138 kV surge arresters SA-8 and SA-9
- Four (4) 138 kV switches 13389, 13391, 13399 and 13401
- One (1) 12.5 kV metering current transformer CT-1

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:** PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

LAKEWAY ONE-LINE DIAGRAM



FACILITY SCHEDULE NO. 26

1. **Name:** Manchaca Substation **(PEC)**

2. **Facility Location:** The Manchaca Substation is located at 2111 W. FM 1626, Manchaca, Travis County, Texas 78652.

3. **Points of Interconnection:** There are two (2) Points of Interconnection in the Manchaca Substation generally described as:

   - where the 138 kV transfer bus expansion connector bolts the 4 hole pad on switch 8353.
   - where the 138 kV operating bus expansion connector bolts the 4 hole pad on switch 8349.

4. **Transformation Services Provided by LCRA TSC:** No

5. **Metering Services Provided by LCRA TSC:** Yes

6. **Delivery Voltage:** 138 kV

7. **Metered Voltage and Location:** The metering voltage is 24.9 kV. The metering current transformers are in the 24.9 kV transformer bus for T-1 and in the 24.9 kV transformer bus for T-2. The bus potential transformers are located on T-1 operating bus and T-2 operating bus.

8. **One Line Diagram Attached:** Yes

9. **Description of Facilities Owned by Each Party:**
   PEC owns:
   The Manchaca Substation including, but not limited to, the following items:
   - 138 kV dead-end structures (2 A-frames and truss in bay #2), foundations, insulators and jumpers
   - 138 kV operating and transfer bus including structures, insulators, foundations and jumpers
   - One (1) 138 kV circuit breaker 5520 including foundation, jumpers and protective relay package
   - One (1) 138 kV surge arrester
   - One (1) 138 kV bus potential transformer PT-3
   - Four (4) 138 kV switches 5519, 5521, 5523 and 5528
   - One (1) 138 kV wave trap WT-1
   - One (1) 138 kV coupling capacitor CC-1
   - Two (2) circuit switchers CS-5525 and CS-5535 with associated bypass switches 5532, 5534 and disconnect switches 5524, 5536
   - Two (2) power transformers T-1 and T-2 with associated surge arresters

- One (1) 138 kV current transformer CT-1
- One (1) single phase external current transformer CT-4
- All distribution circuits including dead end insulators that attach to the dead end structure, conductors, and hardware
- All distribution circuit breakers including jumpers, protective relay packages and foundations
- All distribution and total bays including A-frames, trusses, insulators, disconnect switches, surge arresters, 24.9 kV operating and transfer bus and associated cabling
- Two (2) 24.9 kV bus potential transformer PT-1 and PT-2 with associated fused disconnect switches
- Two (2) modulation transformers MTU-1 and MTU-2 with associated surge arresters, fused disconnect switches and OMU units
- Two (2) 24.9 kV station service SS-1 and SS-2 with associated fused disconnect switches
- Control house (24' X 28') and battery bank

LCRA TSC owns:

- 138 kV dead-end structures (1 A-frames and truss in bay #1), foundations, 3" bus, insulators and jumpers
- One (1) 138 kV surge arrester SA-15
- One (1) 138 kV circuit breaker 8350 including foundation, jumpers and protective relay package
- Three (3) 138 kV switches 8349, 8351, 8353 including stands and foundations
- Two (2) 24.9 kV metering current transformers CT-2 and CT-3 with associated low voltage disconnect and bypass switches MC-73, MC-69, MC-71, MC-149, MC-153 and MC-151
- Control house (21' X 27') and battery
- Underfrequency relay panel

10. **Operational Responsibilities of Each Party:** Each Party is responsible for the operation of the equipment it owns.

11. **Maintenance Responsibilities of Each Party:** Each Party will be fully responsible for the maintenance of the equipment it owns.

12. **Other Terms and Conditions:** PEC and LCRA TSC are to share access to the substation by PEC and LCRA TSC locks in the substation entrance gate; along with control house owner's locks on the control house doors.

MANCHACA ONE-LINE DIAGRAM