Control Number: 35077

Item Number: 138

Addendum StartPage: 0

PUC Project No. 35077

Amendment No. 2 to the

INTERCONNECTION AGREEMENT

Between

AEP Texas Central Company

and

LCRA Transmission Services Company

November 1, 2008

138

AMENDMENT NO. 2 TO THE INTERCONNECTION AGREEMENT BETWEEN AEP TEXAS CENTRAL COMPANY AND LCRA TRANSMISSION SERVICES CORPORATION

This Amendment No. 2 (this "Amendment") to the Interconnection Agreement between AEP Texas Central Company and LCRA Transmission Services Corporation (the "Interconnection Agreement") is made and entered into as of November 1, 2008, by and between AEP Texas Central Company and LCRA Transmission Services Corporation, each being referred to as a "Party" and both collectively referred to as the "Parties".

WITNESSETH:

WHEREAS, the Parties entered into the Interconnection Agreement on January 11, 2005 (including all Exhibits and Facility Schedules attached thereto) to restate and amend an earlier interconnection agreement between Central Power and Light Company (now known as AEP Texas Central Company ("AEP")) and the Lower Colorado River Authority (the assignor to LCRA Transmission Services Corporation ("LCRA")); and

WHEREAS, the Interconnection Agreement provides terms and conditions that allow a point of interconnection be added to or deleted from the Interconnection Agreement as mutually agreed by the Parties, whereby such addition or deletion be recorded in Exhibit A and a Facility Schedule be added or deleted in such a way that the numbering of the other Facility Schedules in the Interconnection Agreement is not changed; and

WHEREAS, the Parties have agreed to amend the Interconnection Agreement in accordance with its terms and conditions;

NOW, THEREFORE, in consideration of the foregoing premises and the mutual covenants set forth herein, the Parties agree as follows:

I. CAPITALIZED TERMS.

Capitalized terms used but not otherwise defined herein shall have the meanings specified in the Interconnection Agreement, as amended and supplemented by this Amendment.

II. AMENDMENTS.

Effective as of the date first written above, a) Facility Schedules numbered 1A, 1B, 4, 5 and 7 of the Interconnection Agreement are hereby amended, b) Facility Schedules numbered 33 through 68 are hereby added to the Interconnection Agreement, and c) Exhibit A of the Interconnection Agreement is hereby amended to record these changes. Such additional Facility Schedules, amended Facility Schedules and amended Exhibit A will be included in the Interconnection Agreement to form one consolidated and amended agreement.

III. RATIFICATION OF OTHER TERMS.

All other terms and conditions of the Interconnection Agreement which are not specifically amended by this Amendment shall remain unchanged and are hereby ratified by the Parties and shall continue to be in full force and effect.

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IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed in two (2) counterparts, each of which shall be deemed an original but both shall constitute one and the same instrument.

AEP TEXAS CENTRAL COMPANY

By _____
Name: Michael Heyeck
Title: Vice President

LCRA TRANSMISSION SERVICES CORPORATION

By _____
Name: Ray Pfefferkorn, P.E.
Title: LCRA Transmission Engineering Manager

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed in two (2) counterparts, each of which shall be deemed an original but both shall constitute one and the same instrument.

AEP TEXAS CENTRAL COMPANY

By _____
Name: Michael Heyeck
Title: Vice President

LCRA TRANSMISSION SERVICES CORPORATION

By _____
Name: Ray Pfefferkorn, P.E.
Title: LCRA Transmission Engineering Manager

EXHIBIT A

FACILITY SCHEDULE NO.	LOCATION OF POINT(S) OF INTERCONNECTION (# of Points)	INTERCONNECTION VOLTAGE (KV)	LAST DATE(S) OF AMENDMENT IN THIS OR PREVIOUS INTERCONNECTION AGREEMENT*
1A	Luling 69 (0)	69	June 1, 1973 November 1, 2008
1B	Luling City 12.5 (4)	12.5	June 1, 1973 November 1, 2008
2	Yorktown (1)	12.5	June 1, 1973
3	Nordheim (1)	12.5	June 1, 1973
4	Glidden (0)	138	October 8, 1979 November 1, 2008
5	LCRA Cuero (1)	138	June 1, 1973 November 1, 2008
6	Campwood (1)	69	December 28, 1990 March 16, 2007
7	LCRA Nixon (0)	69	April 11,1994 November 1, 2008
8	Leakey (1)	12.5	December 10, 1998
9	Coleto Creek (1)	345	January 11, 2005
10	Citgo North Oak Park (3)	138	January 11, 2005
11	Lon C. Hill (2)	138	January 11, 2005
12	Highway 9 (1)	138	January 11, 2005 March 16, 2007
13	Nueces Bay (2)	138	January 11, 2005
14	Cantwell (2)	138	March 16, 2007
15	Weil Tract (2)	138	March 16, 2007
16	Rincon (1)	138	March 16, 2007
17	Rockport (3)	138	March 16, 2007
18	Fulton (2)	138	March 16, 2007
19	Roma (1)	138	March 16, 2007
20	Garceno (2)	138	March 16, 2007
21	Rio Grande City (2)	138	March 16, 2007

* These dates do not reflect the date that the Point of Interconnection was established.

EXHIBIT A Continued

FACILITY SCHEDULE NO.	LOCATION OF POINT(S) OF INTERCONNECTION (# of Points)	INTERCONNECTION VOLTAGE (KV)	LAST DATE(S) OF AMENDMENT IN THIS OR PREVIOUS INTERCONNECTION AGREEMENT*
22	La Grulla (2)	138	March 16, 2007
23	Goodwin (2)	138	March 16, 2007
24	Frontera Switching Station 138 (1)	138	March 16, 2007
25	Asherton (1)	138	March 16, 2007
26	Conoco-Chittam Ranch Tap (2)	138	March 16, 2007
27	Pueblo (2)	138	March 16, 2007
28	Escondido Switching Station(1)	138	March 16, 2007
29	Uvalde (1)	138	March 16, 2007
30	Asphalt Mines (2)	138	March 16, 2007
31	Bracketville (2)	138	March 16, 2007
32	Hamilton Road (1)	138	March 16, 2007
33	Pharr (1)	138	November 1, 2008
34	North Alamo (2)	138	November 1, 2008
35	Weslaco Switching Station (2)	138	November 1, 2008
36	North Weslaco (2)	138	November 1, 2008
37	North Mercedes (2)	138	November 1, 2008
38	Harlingen Switching Station (1)	138	November 1, 2008
39	Naval Base (2)	69	November 1, 2008
40	Airline (2)	69	November 1, 2008
41	North Padre Tap (1)	69	November 1, 2008
42	Mustang Island (2)	69	November 1, 2008
43	Port Aransas (1)	69	November 1, 2008
44	Laguna (2)	69	November 1, 2008

* These dates do not reflect the date that the Point of Interconnection was established.

FACILITY SCHEDULE NO.	LOCATION OF POINT(S) OF INTERCONNECTION (# of Points)	INTERCONNECTION VOLTAGE (KV)	DATE INCLUDED OR EXCLUDED IN THIS OR PREVIOUS INTERCONNECTION AGREEMENT*
45	Kenedy Switching Station (2)	69	November 1, 2008
46	Runge (1)	69	November 1, 2008
47	Nordheim 69 (1)	69	November 1, 2008
48	Yorktown 69 (2)	69	November 1, 2008
49	Hochheim (1)	69	November 1, 2008
50	Malone (1)	69	November 1, 2008
51	Darst (2)	69	November 1, 2008
52	AEP Nixon (2)	69	November 1, 2008
53	Magnolia (1)	69	November 1, 2008
54	Columbus (2)	69	November 1, 2008
55	Stafford Hill (1)	69	November 1, 2008
56	Riverside Pump (1)	69	November 1, 2008
57	Prairie Pump (1)	69	November 1, 2008
58	Parker (1)	69	November 1, 2008
59	Eagle Lake (2)	69	November 1, 2008
60	Lakeside Pump (1)	69	November 1, 2008
61	Matthews (1)	69	November 1, 2008
62	Garwood Lonestar (1)	69	November 1, 2008
63	Garwood City (1)	69	November 1, 2008
64	El Campo (2)	69	November 1, 2008
65	B&B Gravel (1)	69	November 1, 2008
66	Garwood Pump (1)	69	November 1, 2008
67	Ideal Cement (1)	69	November 1, 2008
68	Garwood Relief Pump (1)	69	November 1, 2008

* These dates do not reflect the date that the Point of Interconnection was established.

FACILITY SCHEDULE NO. 1A
Amendment No. 1

Luling 69

TERMINATED

FACILITY SCHEDULE NO. 1B
Amendment No. 1

1. Name: **Luling City**

2. Location: The Luling City Substation is located in Luling, Texas in Caldwell County. (From the junction of Highway 183 and FM 2984 travel north on 2984 0.5 miles.) There are four Points of Interconnection at the Luling City station. Points of Interconnection for each of the 12 kV breakers are located at the connectors on the jumpers that connect to the 12 kV bus side disconnects and where the jumpers connect to the 12 kV transfer bus disconnects.

3. Transformation Services Provided by LCRA: Yes

4. Delivery Voltage: 12.5 kV

5. Normal Operation of Interconnection: Closed

6. One-Line Diagram Attached: Yes

7. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

- the following facilities inside the Luling City Substation:
  - two 12kV breakers LC10 & LC-20, and the associated jumpers, line side disconnect switches, associated relaying, and distribution feeder exits
  - RTU for SCADA control and communication of 12 kV LC10 & LC20
  - RTU communication circuit from the station to the AEP control center
- any under-built distribution voltage circuits attached to the 69 kV transmission lines listed below that terminate into the station

LCRA owns the following facilities:

- the Luling City Substation, including all the facilities within it, except for the facilities owned by AEP
- the following transmission line(s) comprised of structures, easements, conductors, insulators, and connecting hardware including:
  - Luling City to Malone 69 kV transmission line
  - Luling City to Hochheim 69 kV transmission line

8. Facility Operation and Maintenance Responsibilities of the Parties:

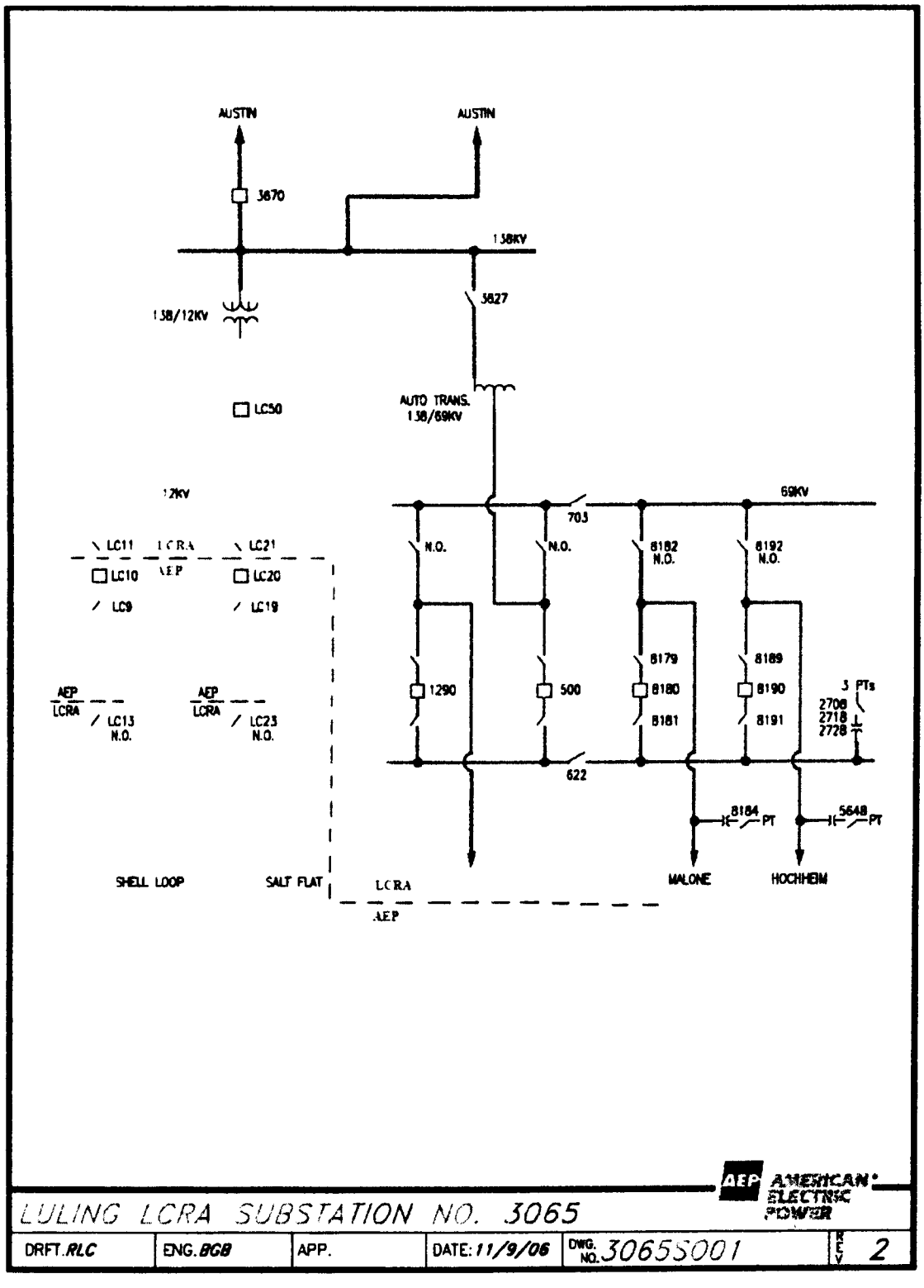
- LCRA controls and operates all transmission lines that terminate into the station, and all station equipment except for the following equipment that AEP will continue to operate until LCRA takes over operational control:
    - 69 kV breaker 8180, associated switches 8179, 8181, 8182, and 69 kV transmission line to Malone
    - 69 kV breaker 8190, associated switches 8189, 8191, 8192, and 69 kV transmission line to Hochheim
- AEP controls and operates the 12.5 kV facilities for circuits LC-10 & LC-20.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

9. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

10. Other Terms and Conditions:

- LCRA will provide AEP with MV-90 master file information and dial-up access to net meter in 69 kV bus for net metering the 69 kV transmission lines to Hochheim and Malone.


AUSTIN
AUSTIN
3670
138KV
138/12KV
3827
LC50
AUTO TRANS.
138/69KV
12KV
69KV
703
LC11
LCRA
LC21
AEP
LC10
LC20
LC9
LC19
N.O.
N.O.
8182
N.O.
8192
N.O.
8179
8189
1290
500
8180
8190
3 PTs
2708
2718
2728
8181
8191
AEP
LCRA
LC13
N.O.
AEP
LCRA
LC23
N.O.
622
8184
PT
5648
PT
SHELL LOOP
SALT FLAT
LCRA
AEP
MALONE
HOCHHEIM
LULING LCRA SUBSTATION NO. 3065
AEP AMERICAN ELECTRIC POWER
DRFT. RLC
ENG. BGB
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DATE: 11/9/06
DWG. NO. 30655001
REV 2

FACILITY SCHEDULE NO. 4
Amendment No. 1

Glidden

TERMINATED

FACILITY SCHEDULE NO. 5
Amendment No. 1

1. Name: **LCRA Cuero**

2. Location: The LCRA Cuero Substation is located in Cuero, Texas in De Witt County. The Point of Interconnection is located where the jumper conductors from the station equipment physically contact the connectors on the conductors of the 138 kV transmission line to the Victoria Substation.

3. Delivery Voltage: 138 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

LCRA owns the following facilities:

- the LCRA Cuero Substation, including all the facilities within it
- the jumpers from the 138 kV vertical bus to the 138 kV transmission line to Victoria
- the following transmission line(s) comprised of structures, easements, conductors, insulators, and connecting hardware:
  - LCRA Cuero to Yoakum 138 kV transmission line
  - LCRA Cuero to Gonzales 138 kV transmission line
  - Cuero (Hydro) to Hochheim 69 kV transmission line
  - Cuero (Hydro) to Yorktown 69 kV transmission line
  - LCRA Cuero to Cuero (Hydro) 69 kV transmission line

AEP owns the following facilities:

- insulators and hardware on the deadend structures that terminate the 138 kV transmission line from the Victoria Substation to the jumpers from the station equipment
- the following transmission line(s) comprised of structures, easements, conductors, insulators, and connecting hardware:
  - LCRA Cuero to Victoria 138 kV transmission line

7. Facility Operation and Maintenance Responsibilities of the Parties:

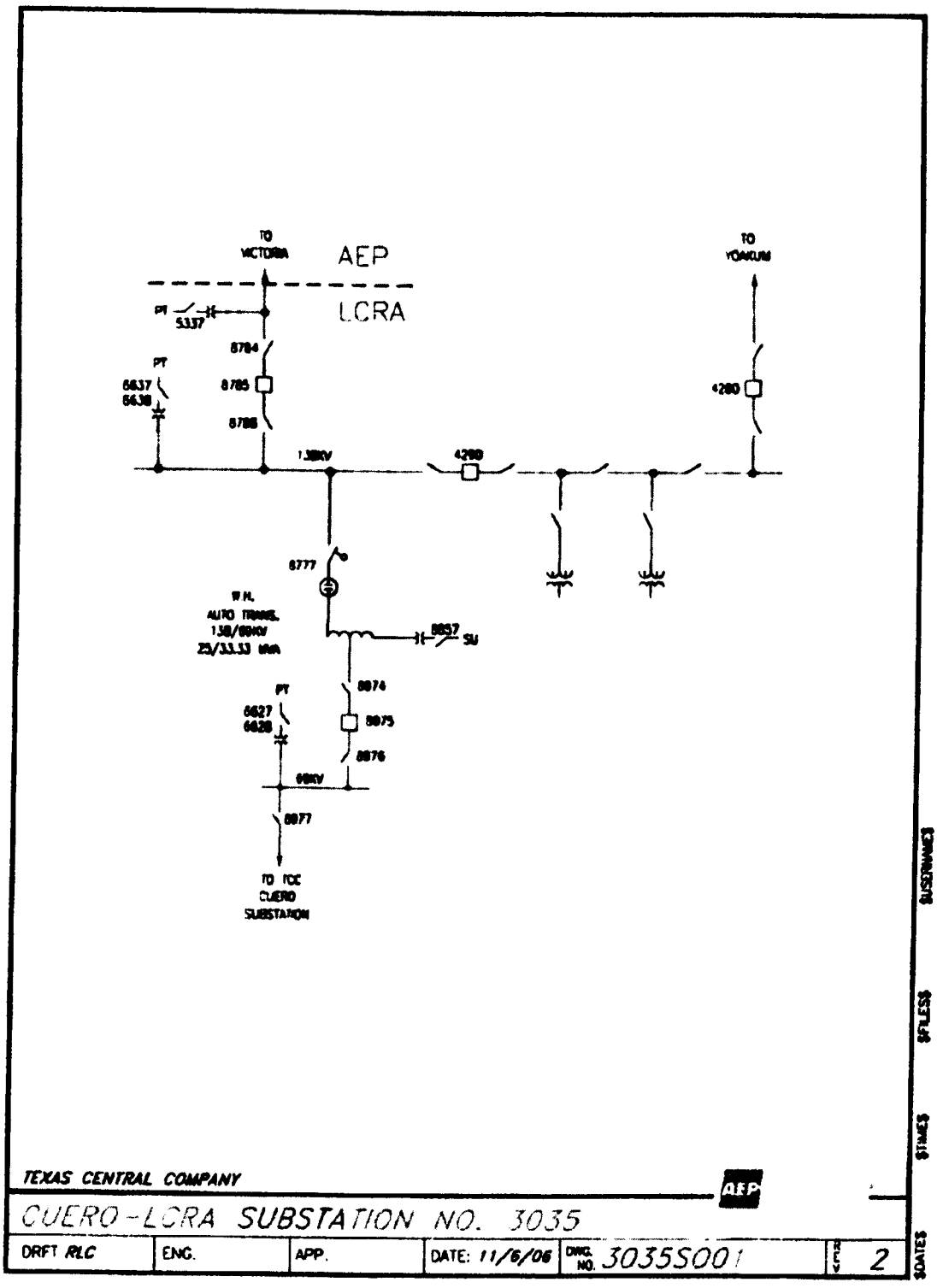
- LCRA controls and operates the LCRA Cuero Substation except for the following equipment that AEP will continue to operate until LCRA takes over operational control:
  - 138 kV breaker 8785, associated switches 8784, and 8786
  - 138 kV circuit switcher 8777 and associated 138-69 kV autotransformer
  - 69 kV breaker 8975, associated switches 8974, 8976, and associated 69 kV transmission line to Cuero
- AEP controls and operates its LCRA Cuero to Victoria 138 kV transmission line.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions:

- LCRA will provide AEP with MV-90 master file information and dial-up access to net meter from CB 4290 for net metering the 138 kV line to Victoria and the 69 kV transmission line to Cuero (Hydro).


TO VICTORIA
AEP
LCRA
TO YOAKUM
PT
5337
8784
PT
8637
8638
8785
8788
4280
138KV
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8777
W.H. AUTO TRANS. 138/69KV 25/33.33 MVA
8857
SU
PT
8627
8628
8874
8875
8876
69KV
8877
TO TCC CUERO SUBSTATION
TEXAS CENTRAL COMPANY
AEP
CUERO - LCRA SUBSTATION NO. 3035
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FACILITY SCHEDULE NO. 7
Amendment No. 1

LCRA Nixon

TERMINATED

FACILITY SCHEDULE NO. 33

1 Name: **Pharr**

2. Location: The Pharr Substation is located in Pharr, Texas in Hidalgo County. The Point of Interconnection is at the termination of the 138 kV transmission line from the North Alamo Substation where the jumper conductors from the substation equipment physically contact the connectors on the 138 kV transmission line conductors.

3. Delivery Voltage: 138 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

- Pharr Substation, including all the substation facilities within it
- jumper conductors from the station facilities to the Point(s) of Interconnection
- substation deadend structures that terminate all transmission lines into the AEP portion of the station
- the following transmission line(s) comprised of structures, easements, conductors, insulators, and connecting hardware:
  - Pharr to Polk 138 kV transmission line
  - Pharr to MVEC Pharr 138 kV transmission line
- any under-built distribution voltage circuits and OPGW shield/fiber aerial cable and fiber optic communications circuits attached to the transmission lines that terminate into the station

LCRA owns the following facilities:

- insulators and hardware on the deadend structures that terminate the 138 kV transmission line from the North Alamo Substation
- the following transmission line(s) comprised of easements, licenses, structures, conductors, insulators, and connecting hardware:
  - Pharr to North Alamo 138 kV transmission line

7. Facility Operation and Maintenance Responsibilities of the Parties:

- AEP controls and operates the Pharr Substation, including all facilities within it.

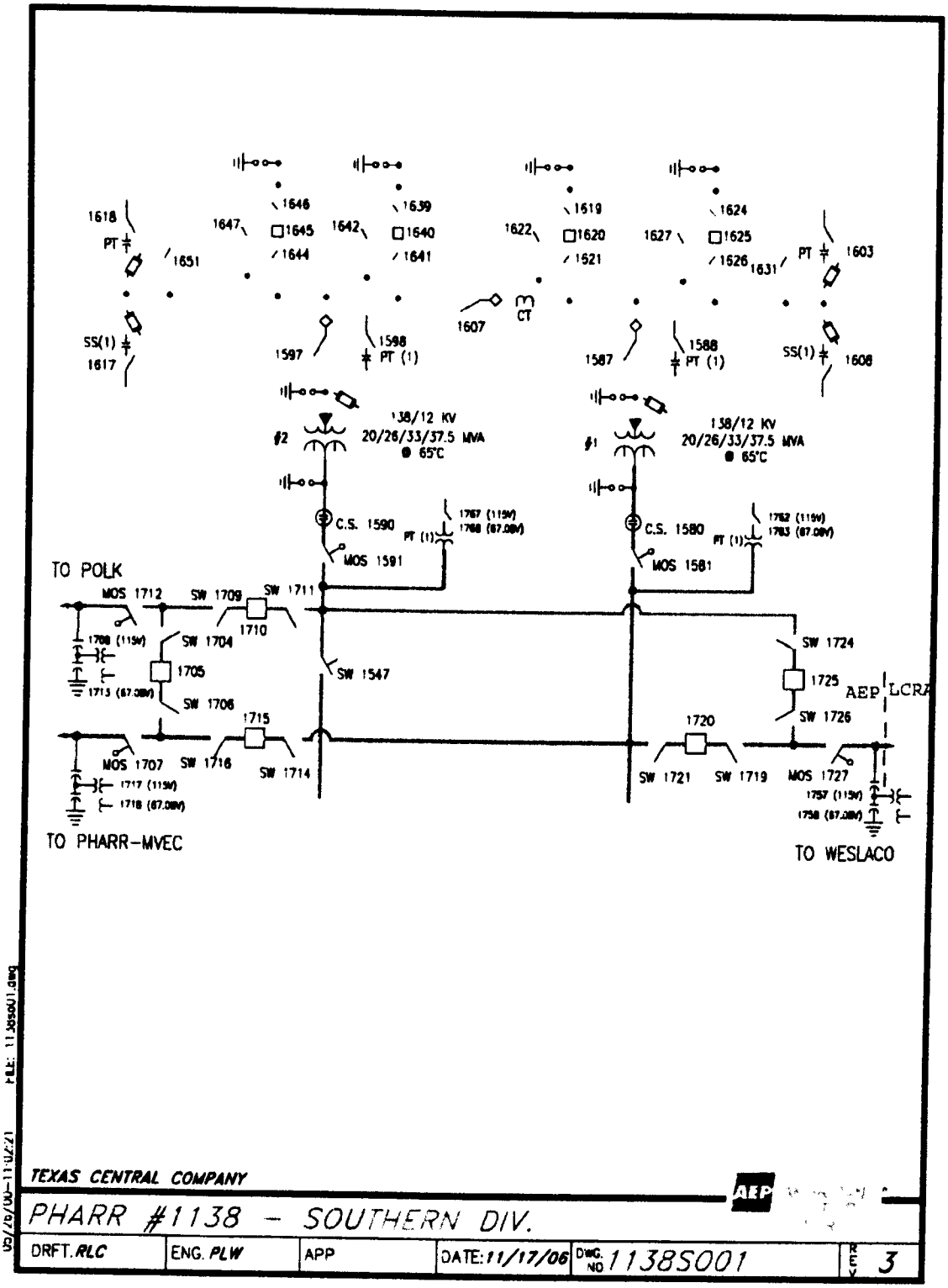
- AEP controls and operates all transmission lines that terminate into the AEP portion of the station.
- AEP coordinates, directs, and performs all control center and field operation activities on the transmission line(s) owned by AEP and LCRA. These activities shall include, but are not limited to, switching, clearances, and outages for planned maintenance and operations, emergency service restoration, and overall coordination of such activities with ERCOT.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule

9. Other Terms and Conditions:

- AEP will poll the AEP RTU installed inside the station and LCRA will have access to the RTU data via a direct Inter-control Center Communications Protocol (ICCP) communication circuit between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.


1618
PT
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PT (1)
1607
CT
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1627
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1631
PT
1603
1587
1588
PT (1)
SS(1)
1608
138/12 KV
20/26/33/37.5 MVA
@ 65°C
#2
#1
C.S. 1590
C.S. 1580
MOS 1591
MOS 1581
TO POLK
MOS 1712
SW 1709
SW 1711
1710
SW 1704
1705
SW 1706
1715
SW 1716
SW 1714
SW 1547
SW 1724
1725
SW 1726
AEP
1720
SW 1721
SW 1719
MOS 1727
MOS 1707
TO PHARR-MVEC
TO WESLACO
TEXAS CENTRAL COMPANY
AEP
PHARR #1138 - SOUTHERN DIV.
DRFT. RLC
ENG. PLW
APP
DATE: 11/17/06
DWG. NO 1138S001
REV 3

FACILITY SCHEDULE NO. 34

1. Name: **North Alamo**

2. Location: The North Alamo Substation is located in Alamo, Texas in Hidalgo County. There are two Points of Interconnection at the North Alamo Substation. One is at the termination of the 138 kV transmission line from the North Pharr Substation and the other is at the termination of the 138 kV transmission line from the Weslaco Switching Station. Both Points of Interconnection are at the point where the jumper conductors from the substation equipment physically contact the connectors on the 138 kV transmission line conductors.

3. Delivery Voltage: 138 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

   AEP owns the following facilities:
   - North Alamo Substation, including all the substation facilities within it
   - jumper conductors from the station facilities to the Point(s) of Interconnection
   - substation deadend structures that terminate all transmission lines into the station
   - any under-built distribution voltage circuits and OPGW shield/fiber aerial cable and fiber optic communications circuits attached to the transmission lines that terminate into the station

   LCRA owns the following facilities:
   - insulators and hardware on the deadend structures that terminate the 138 kV transmission lines from the North Pharr station and Weslaco switching station
   - the following transmission line(s) comprised of easements, licenses, structures, conductors, insulators, and connecting hardware:
     - North Alamo to North Pharr 138 kV transmission line
     - North Alamo to Weslaco Switching Station 138 kV transmission line

7. Facility Operation and Maintenance Responsibilities of the Parties:

   - AEP controls and operates the North Alamo Substation, including all facilities within it.
   - AEP controls and operates all transmission lines that terminate into the station.

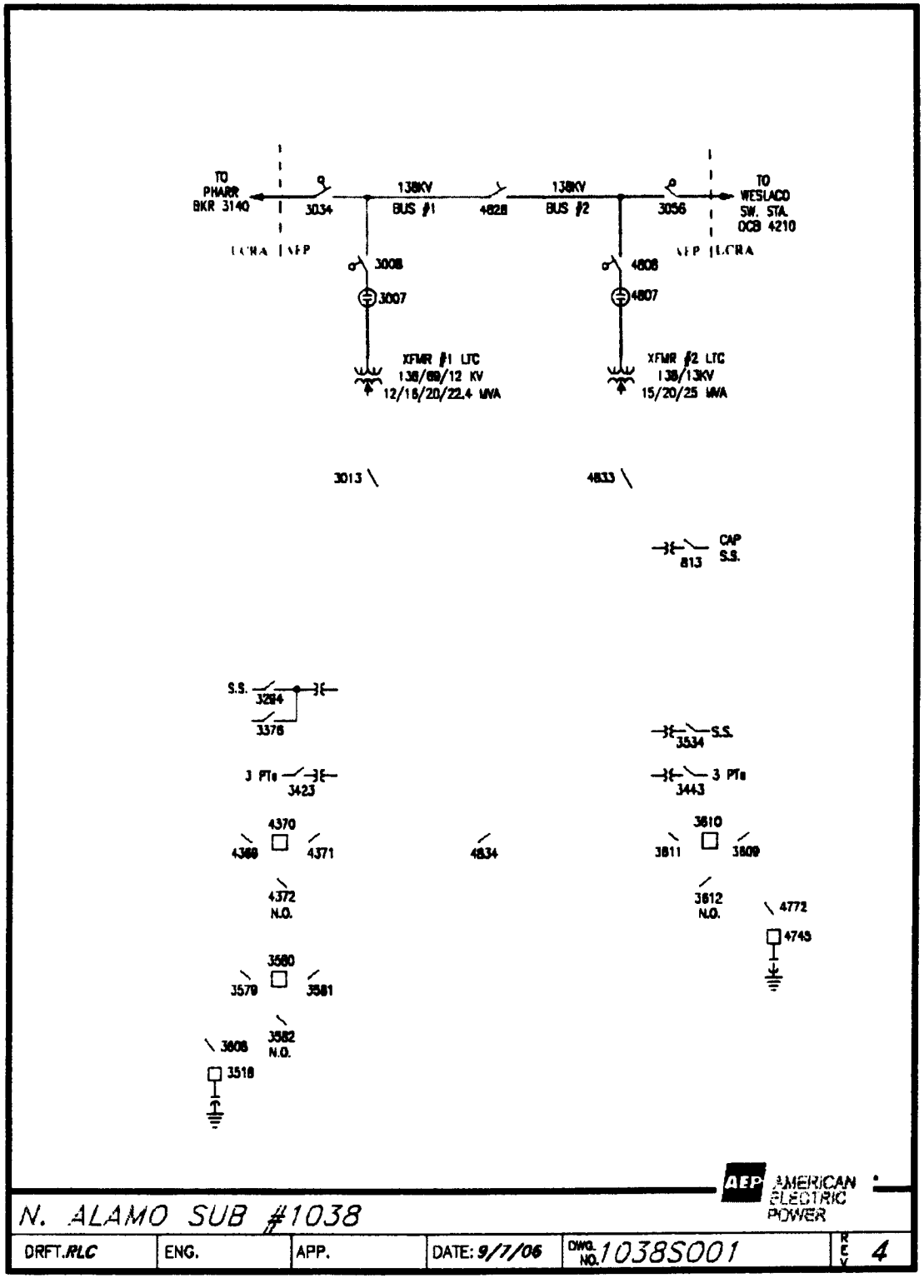
- AEP coordinates, directs, and performs all control center and field operation activities on the transmission line(s) owned by AEP and LCRA. These activities shall include, but are not limited to, switching, clearances, and outages for planned maintenance and operations, emergency service restoration, and overall coordination of such activities with ERCOT.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

    - Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
    - Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions:

    - AEP will poll the AEP RTU installed inside the substation and LCRA will have access to the RTU data via a direct Inter-control Center Communications Protocol (ICCP) communication circuit between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.


TO PHARR BKR 3140
3034
138KV BUS #1
4828
138KV BUS #2
3056
TO WESLACO SW. STA. OCB 4210
LCRA | AEP
AEP | LCRA
3008
3007
4808
4807
XFMR #1 LTC 138/69/12 KV 12/16/20/22.4 MVA
XFMR #2 LTC 138/13KV 15/20/25 MVA
3013
4833
CAP S.S.
813
S.S. 3294
3376
3 PTs 3423
4370
4368
4371
4372 N.O.
3580
3579
3581
3582 N.O.
3608
3518
4834
S.S. 3534
3 PTs 3443
3610
3611
3609
3612 N.O.
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AEP AMERICAN ELECTRIC POWER
N. ALAMO SUB #1038
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ENG.
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DATE: 9/7/06
DWG. NO. 1038S001
REV 4

FACILITY SCHEDULE NO. 35

1. Name: **Weslaco Switching Station**

2. Location: The Weslaco Switching Station is located in Weslaco, Texas in Hidalgo County. There are two Points of Interconnection at the Weslaco Switching Station. One is at the termination of the 138 kV transmission line from the North Alamo Substation and the other is at the termination of the 138 kV transmission line from the North Weslaco Substation. Both Points of Interconnection are at the point where the jumper conductors from the substation equipment physically contact the connectors on the 138 kV transmission line conductors.

3. Delivery Voltage: 138 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

- Weslaco Switching Station, including all the substation facilities within it
- jumper conductors from the station facilities to the Point(s) of Interconnection
- substation deadend structures that terminate all transmission lines into the station
- a four-wire RTU communication circuit from the station to the AEP control center
- any under-built distribution voltage circuits and OPGW shield/fiber aerial cable and fiber optic communications circuits attached to the transmission lines that terminate into the station

LCRA owns the following facilities:

- insulators and hardware on the deadend structures that terminate the 138 kV transmission lines from the North Alamo and North Weslaco substations
- the following transmission line(s) comprised of easements, licenses, structures, conductors, insulators, and connecting hardware:
  - Weslaco Switching Station to North Alamo 138 kV transmission line
  - Weslaco Switching Station to North Weslaco 138 kV transmission line

7. Facility Operation and Maintenance Responsibilities of the Parties:

- AEP controls and operates the Weslaco Switching Station, including all facilities

within it.

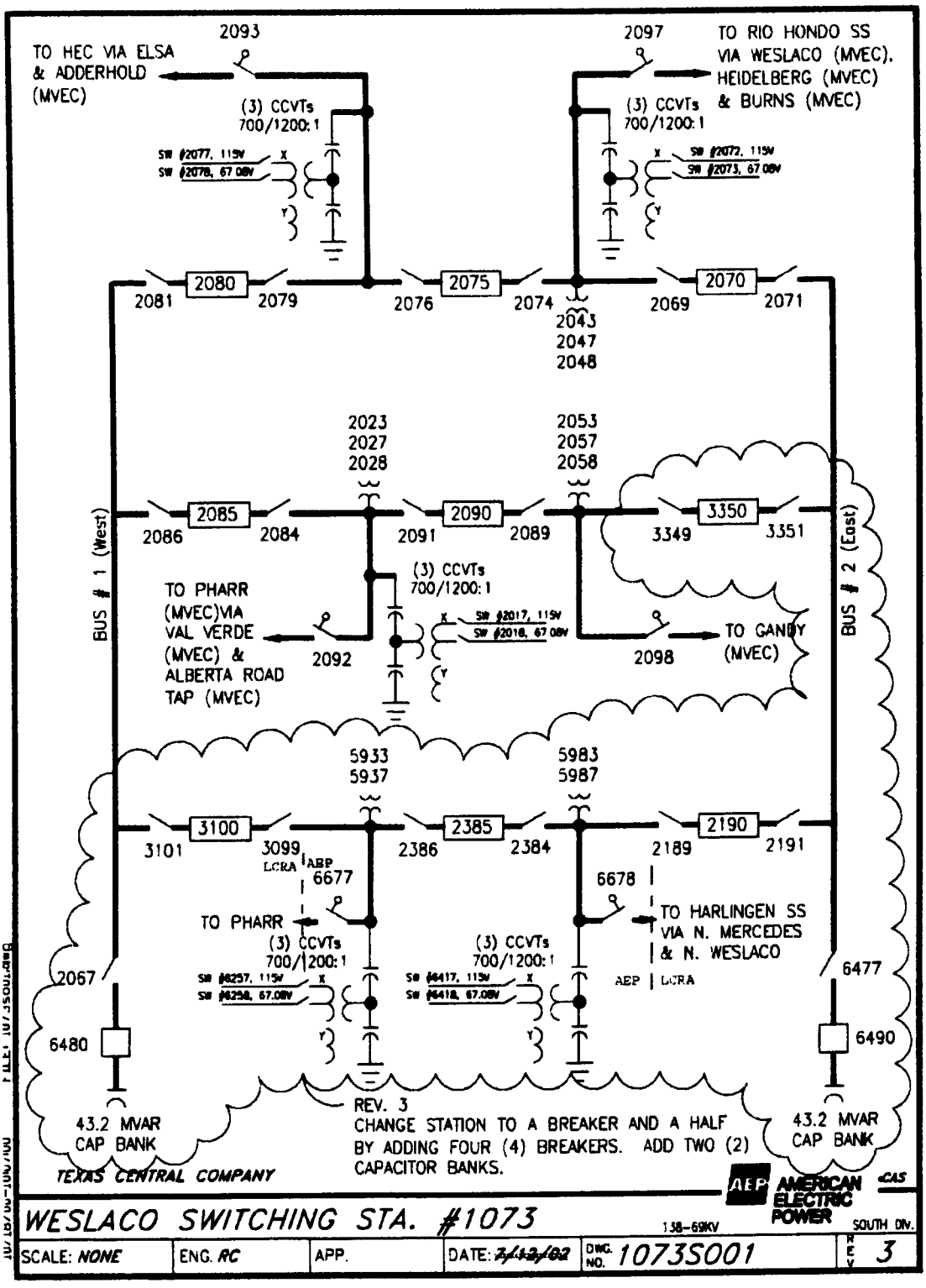
- AEP controls and operates all transmission lines that terminate into the substation.
- AEP coordinates, directs, and performs all control center and field operation activities on the transmission line(s) owned by AEP and LCRA. These activities shall include, but are not limited to, switching, clearances, and outages for planned maintenance and operations, emergency service restoration, and overall coordination of such activities with ERCOT.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions:

- AEP will poll the AEP RTU installed inside the substation and LCRA will have access to the RTU data via a direct Inter-control Center Communications Protocol (ICCP) communication circuit between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.


2093
TO HEC VIA ELSA & ADDERHOLD (MVEC)
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SW #2078, 67.08V
2097
TO RIO HONDO SS VIA WESLACO (MVEC), HEIDELBERG (MVEC) & BURNS (MVEC)
(3) CCVTs 700/1200:1
SW #2072, 115V
SW #2073, 67.08V
2080
2075
2070
2081
2079
2076
2074
2069
2071
2043
2047
2048
2023
2027
2028
2053
2057
2058
2085
2090
3350
2086
2084
2091
2089
3349
3351
BUS # 1 (West)
BUS # 2 (East)
TO PHARR (MVEC)VIA VAL VERDE (MVEC) & ALBERTA ROAD TAP (MVEC)
(3) CCVTs 700/1200:1
SW #2017, 115V
SW #2018, 67.08V
2092
2098
TO GANDY (MVEC)
5933
5937
5983
5987
3100
2385
2190
3101
3099
LCRA
AEP
6677
2386
2384
2189
2191
6678
TO PHARR
(3) CCVTs 700/1200:1
SW #6257, 115V
SW #6258, 67.08V
(3) CCVTs 700/1200:1
SW #6417, 115V
SW #6418, 67.08V
TO HARLINGEN SS VIA N. MERCEDES & N. WESLACO
AEP | LCRA
2067
6477
6480
6490
43.2 MVAR CAP BANK
43.2 MVAR CAP BANK
REV. 3
CHANGE STATION TO A BREAKER AND A HALF BY ADDING FOUR (4) BREAKERS. ADD TWO (2) CAPACITOR BANKS.
TEXAS CENTRAL COMPANY
AEP AMERICAN ELECTRIC POWER
CAS
WESLACO SWITCHING STA. #1073
138-69KV
SOUTH DIV.
SCALE: NONE
ENG. RC
APP.
DATE: 7/13/02
DWG. NO. 1073S001
REV. 3

FACILITY SCHEDULE NO. 36

1. Name: **North Weslaco**

2. Location: The North Weslaco Substation is located in Weslaco, Texas in Hidalgo County. There are two Points of Interconnection at the North Weslaco Substation. One is at the termination of the 138 kV transmission line from the Weslaco Switching Substation and the other is at the termination of the 138 kV transmission line from the North Mercedes Substation. Both Points of Interconnection are at the point where the jumper conductors from the substation equipment physically contact the connectors on the 138 kV transmission line conductors.

3. Delivery Voltage: 138 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

- North Weslaco Substation, including all the substation facilities within it
- jumper conductors from the station facilities to the Point(s) of Interconnection
- substation deadend structures that terminate all transmission lines into the station
- a four-wire RTU communication circuit from the station to the AEP control center
- any under-built distribution voltage circuits and OPGW shield/fiber aerial cable and fiber optic communications circuits attached to the transmission lines that terminate into the station

LCRA owns the following facilities:

- insulators and hardware on the deadend structures that terminate the 138 kV transmission lines from the Weslaco Switching Station and North Mercedes substation
- the following transmission line(s) comprised of easements, licenses, structures, conductors, insulators, and connecting hardware:
  - North Weslaco to Weslaco Switching Station 138 kV transmission line
  - North Weslaco to North Mercedes 138 kV transmission line

7. Facility Operation and Maintenance Responsibilities of the Parties:

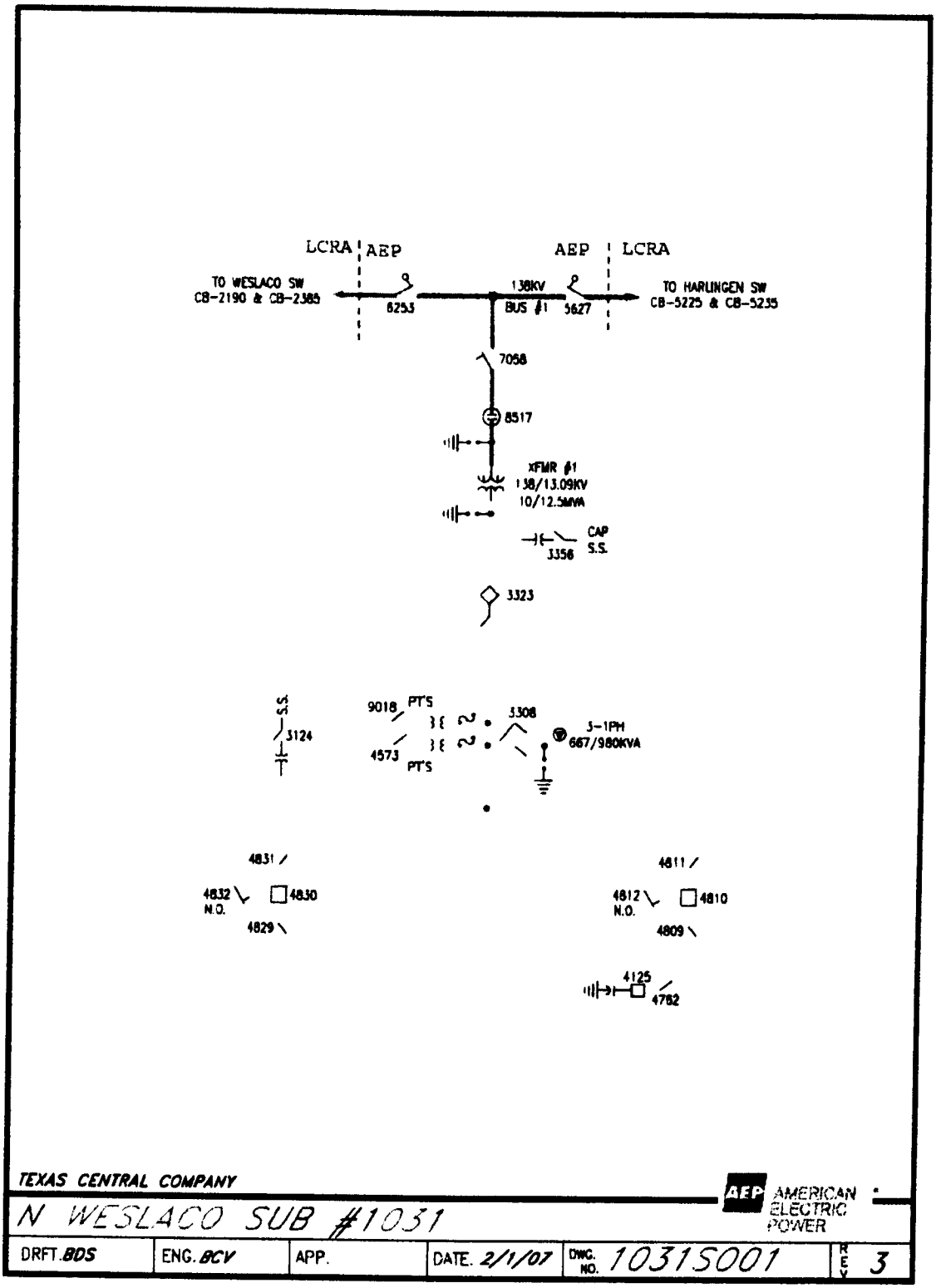
- AEP controls and operates the North Weslaco Substation, including all facilities within it.
- AEP controls and operates all transmission lines that terminate into the station.
- AEP coordinates, directs, and performs all control center and field operation activities on the transmission line(s) owned by AEP and LCRA. These activities shall include, but are not limited to, switching, clearances, and outages for planned maintenance and operations, emergency service restoration, and overall coordination of such activities with ERCOT.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions:

- AEP will poll the AEP RTU installed inside the substation and LCRA will have access to the RTU data via a direct Inter-control Center Communications Protocol (ICCP) communication circuit between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.


LCRA
AEP
AEP
LCRA
TO WESLACO SW
CB-2190 & CB-2385
6253
138KV
BUS #1
5627
TO HARLINGEN SW
CB-5225 & CB-5235
7058
8517
XFMR #1
138/13.09KV
10/12.5MVA
CAP
S.S.
3356
3323
S.S.
3124
9018
PT'S
4573
PT'S
3308
3-1PH
667/980KVA
4831
4832
N.O.
4830
4829
4811
4812
N.O.
4810
4809
4125
4762
TEXAS CENTRAL COMPANY
AEP AMERICAN ELECTRIC POWER
N WESLACO SUB #1031
DRFT. BDS
ENG. BCV
APP.
DATE. 2/1/07
DWG. NO. 10315001
REV 3

FACILITY SCHEDULE NO. 37

1. Name: **North Mercedes**

2. Location: The North Mercedes Substation is located in Mercedes, Texas in Hidalgo County. There are two Points of Interconnection at the North Mercedes Substation. One is at the termination of the 138 kV transmission line from the North Weslaco Substation and the other is at the termination of the 138 kV transmission line from the Harlingen Switching Station. Both Points of Interconnection are at the point where the jumper conductors from the substation equipment physically contact the connectors on the 138 kV transmission line conductors.

3. Delivery Voltage: 138 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

- North Mercedes Substation, including all the substation facilities within it
- jumper conductors from the station facilities to the Point(s) of Interconnection
- substation deadend structures that terminate all transmission lines into the station
- a four-wire RTU communication circuit from the station to the AEP control center
- any under-built distribution voltage circuits and OPGW shield/fiber aerial cable and fiber optic communications circuits attached to the transmission lines that terminate into the station

LCRA owns the following facilities:

- insulators and hardware on the deadend structures that terminate the 138 kV transmission lines from the North Weslaco station and Harlingen switching station
- the following transmission line(s) comprised of easements, licenses, structures, conductors, insulators, and connecting hardware:
  - North Mercedes to North Weslaco 138 kV transmission line
  - North Mercedes to Harlingen Switching Station 138 kV transmission line

7. Facility Operation and Maintenance Responsibilities of the Parties:

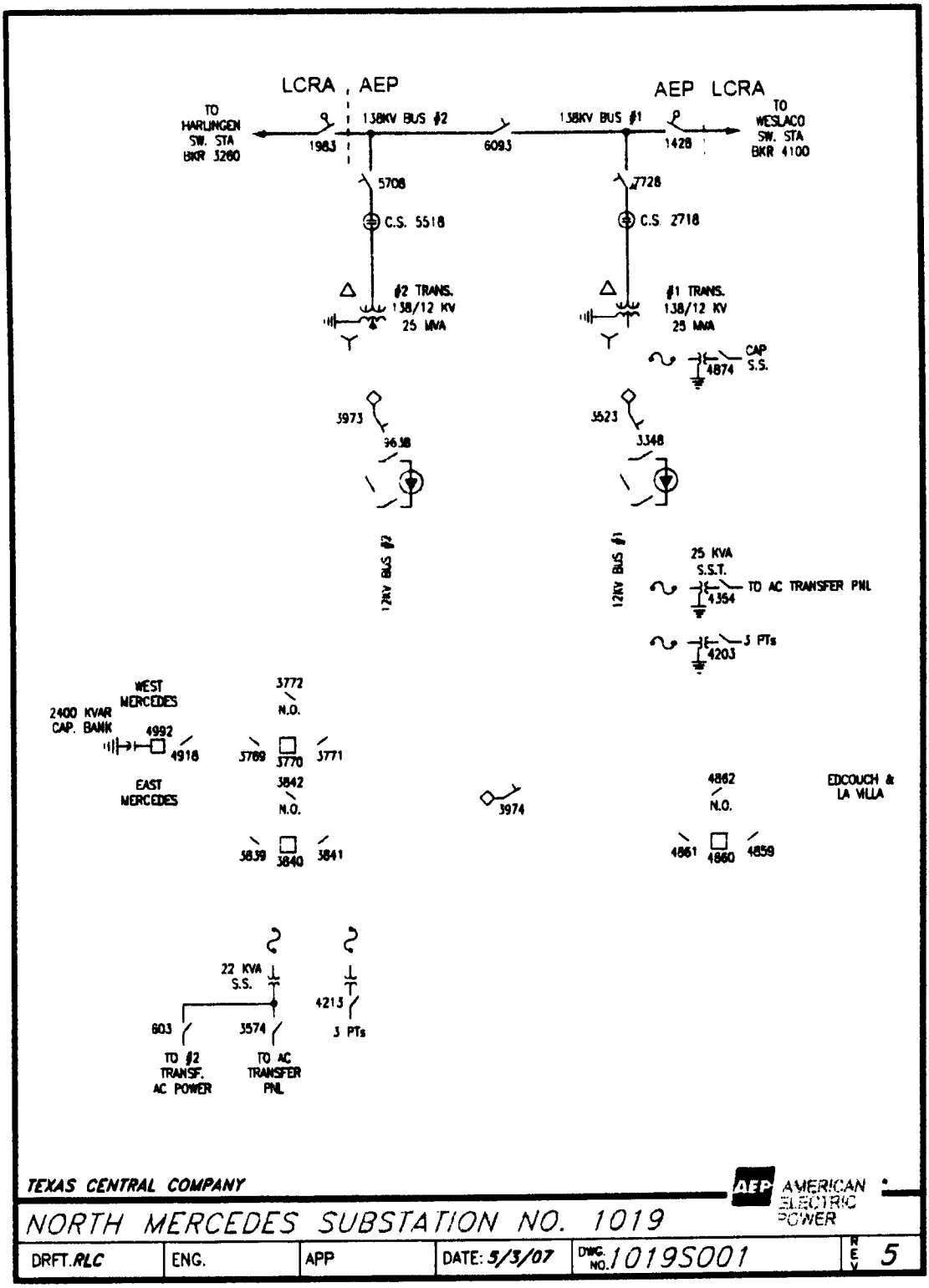
- AEP controls and operates the North Mercedes Substation, including all facilities within it.
- AEP controls and operates all transmission lines that terminate into the station.
- AEP coordinates, directs, and performs all control center and field operation activities on the transmission line(s) owned by AEP and LCRA. These activities shall include, but are not limited to, switching, clearances, and outages for planned maintenance and operations, emergency service restoration, and overall coordination of such activities with ERCOT.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions:

- AEP will poll the AEP RTU installed inside the substation and LCRA will have access to the RTU data via a direct Inter-control Center Communications Protocol (ICCP) communication circuit between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.


LCRA , AEP
AEP LCRA
TO HARLINGEN SW. STA BKR 3260
138KV BUS #2
138KV BUS #1
TO WESLACO SW. STA BKR 4100
1983
6093
1428
5708
7728
C.S. 5518
C.S. 2718
#2 TRANS. 138/12 KV 25 MVA
#1 TRANS. 138/12 KV 25 MVA
CAP 4874 S.S.
3973
3638
3523
3348
12KV BUS #2
12KV BUS #1
25 KVA S.S.T. 4354
TO AC TRANSFER PNL
3 PTs 4203
WEST MERCEDES
2400 KVAR CAP. BANK
4992
4918
3772
N.O.
3769
3770
3771
EAST MERCEDES
3842
N.O.
3839
3840
3841
3974
4862
N.O.
4861
4860
4859
EDCOUCH & LA VILLA
22 KVA S.S.
4213
3 PTs
603
3574
TO #2 TRANSF. AC POWER
TO AC TRANSFER PNL
TEXAS CENTRAL COMPANY
AEP AMERICAN ELECTRIC POWER
NORTH MERCEDES SUBSTATION NO. 1019
DRFT. RLC
ENG.
APP
DATE: 5/3/07
DWG. NO. 1019S001
REV 5

FACILITY SCHEDULE NO. 38

1. Name: **Harlingen Switching Station**

2. Location: The Harlingen Switching Station is located in Harlingen, Texas in Cameron County. The Point of Interconnection is at the termination of the 138 kV transmission line from the North Mercedes Substation where the jumper conductors from the substation equipment physically contact the connectors on the 138 kV transmission line conductors.

3. Delivery Voltage: 138 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

- Harlingen Switching Station, including all the substation facilities within it
- jumper conductors from the station facilities to the Point(s) of Interconnection
- substation deadend structures that terminate all transmission lines into the station
- the following transmission line(s) comprised of structures, easements, conductors, insulators, and connecting hardware:
  - Harlingen Switching Station to Rio Hondo 138 kV transmission line
  - Harlingen Switching Station to La Palma 138 kV transmission line
  - Harlingen Switching Station to Harlingen No.1 69 kV transmission line
  - Harlingen Switching Station to Raymondville No. 2 69 kV transmission line
- any under-built distribution voltage circuits and OPGW shield/fiber aerial cable and fiber optic communications circuits attached to the transmission lines that terminate into the station

LCRA owns the following facilities:

- insulators and hardware on the deadend structures that terminate the 138 kV transmission line from the North Mercedes station
- the following transmission line(s) comprised of easements, licenses, structures, conductors, insulators, and connecting hardware .
  - Harlingen Switching Substation to North Mercedes 138 kV transmission line

7. Facility Operation and Maintenance Responsibilities of the Parties:

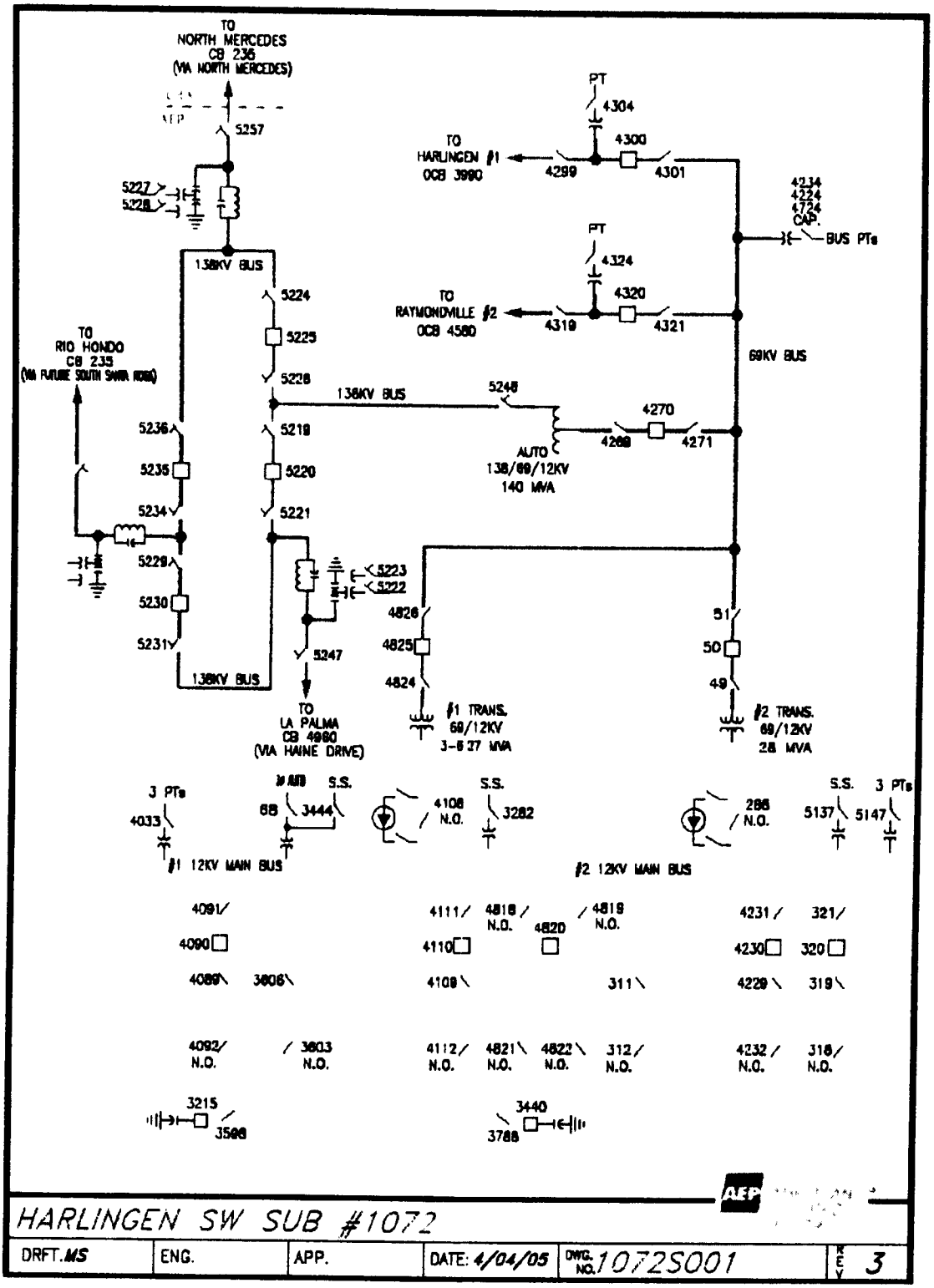
- AEP controls and operates the Harlingen Switching Station, including all facilities within it.
- AEP controls and operates all transmission lines that terminate into the station.
- AEP coordinates, directs, and performs all control center and field operation activities on the transmission line(s) owned by AEP and LCRA. These activities shall include, but are not limited to, switching, clearances, and outages for planned maintenance and operations, emergency service restoration, and overall coordination of such activities with ERCOT.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions:

- AEP will poll the AEP RTU installed inside the substation and LCRA will have access to the RTU data via a direct Inter-control Center Communications Protocol (ICCP) communication circuit between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.


TO
NORTH MERCEDES
CB 236
(VIA NORTH MERCEDES)
5257
5227
5228
138KV BUS
5224
5225
5226
TO
RIO HONDO
CB 235
(VIA FUTURE SOUTH SAMRA ROAD)
5236
5235
5234
5229
5230
5231
5219
5220
5221
5223
5222
5247
138KV BUS
TO
LA PALMA
CB 4960
(VIA HAINE DRIVE)
PT
4304
TO
HARLINGEN #1
OCB 3990
4299
4300
4301
4234
4224
4724
CAP.
BUS PTs
PT
4324
TO
RAYMONDVILLE #2
OCB 4560
4319
4320
4321
69KV BUS
138KV BUS
5248
4270
4269
4271
AUTO
138/69/12KV
140 MVA
4826
4825
4824
#1 TRANS.
69/12KV
3-6.27 MVA
51
50
49
#2 TRANS.
69/12KV
28 MVA
3 PTs
4033
#1 AUX
S.S.
69
3444
4108
N.O.
S.S.
3282
#1 12KV MAIN BUS
286
N.O.
S.S.
3 PTs
5137
5147
#2 12KV MAIN BUS
4091
4090
4089
3606
4092
N.O.
3603
N.O.
4111
4110
4109
4818
N.O.
4820
4819
N.O.
311
4112
N.O.
4821
N.O.
4822
N.O.
312
N.O.
4231
4230
4229
321
320
319
4232
N.O.
318
N.O.
3215
3588
3440
3788
AEP
HARLINGEN SW SUB #1072
DRFT. MS
ENG.
APP.
DATE: 4/04/05
DWG. NO. 1072S001
REV 3

FACILITY SCHEDULE NO. 39

1. Name: **Naval Base**

2. Location: The Naval Base Substation is located in Corpus Christi, Texas in Nueces County. There are two Points of Interconnection at the Naval Base Substation. One is at the termination of the 69 kV transmission line from the Laguna Substation and another is at the termination of the 69 kV transmission line from the Airline Substation. All Points of Interconnection are at the point where the jumper conductors from the substation equipment physically contact the connectors on the 69 kV transmission line conductors.

3. Delivery Voltage: 69 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

- Naval Base Substation, including all the substation facilities within it
- substation deadend structures that terminate all transmission lines into the station
- jumper conductors from the station facilities to the Point(s) of Interconnection
- the following transmission line(s) comprised of right-of-way, licenses, structures, conductors, insulators, connecting hardware and any attached OPGW shield/fiber aerial cable and fiber optic communications circuits
  - the 69 kV transmission line from Naval Base to North Padre Island
  - the 69 kV transmission line from North Padre Tap to North Padre Island
- a four-wire RTU communication circuit from the station to the AEP control center
- any under-built distribution voltage circuits attached to AEP transmission lines that terminate into the station

LCRA owns the following facilities:

- insulators and hardware on the deadend structures that terminate the 69 kV transmission line from the Laguna and Airline Substations
- the following transmission line(s) comprised of easements, licenses, structures, conductors, insulators and connecting hardware:
  - Naval Base to Airline 69 kV transmission line
  - Naval Base to Laguna 69 kV transmission line

7. Facility Operation and Maintenance Responsibilities of the Parties:

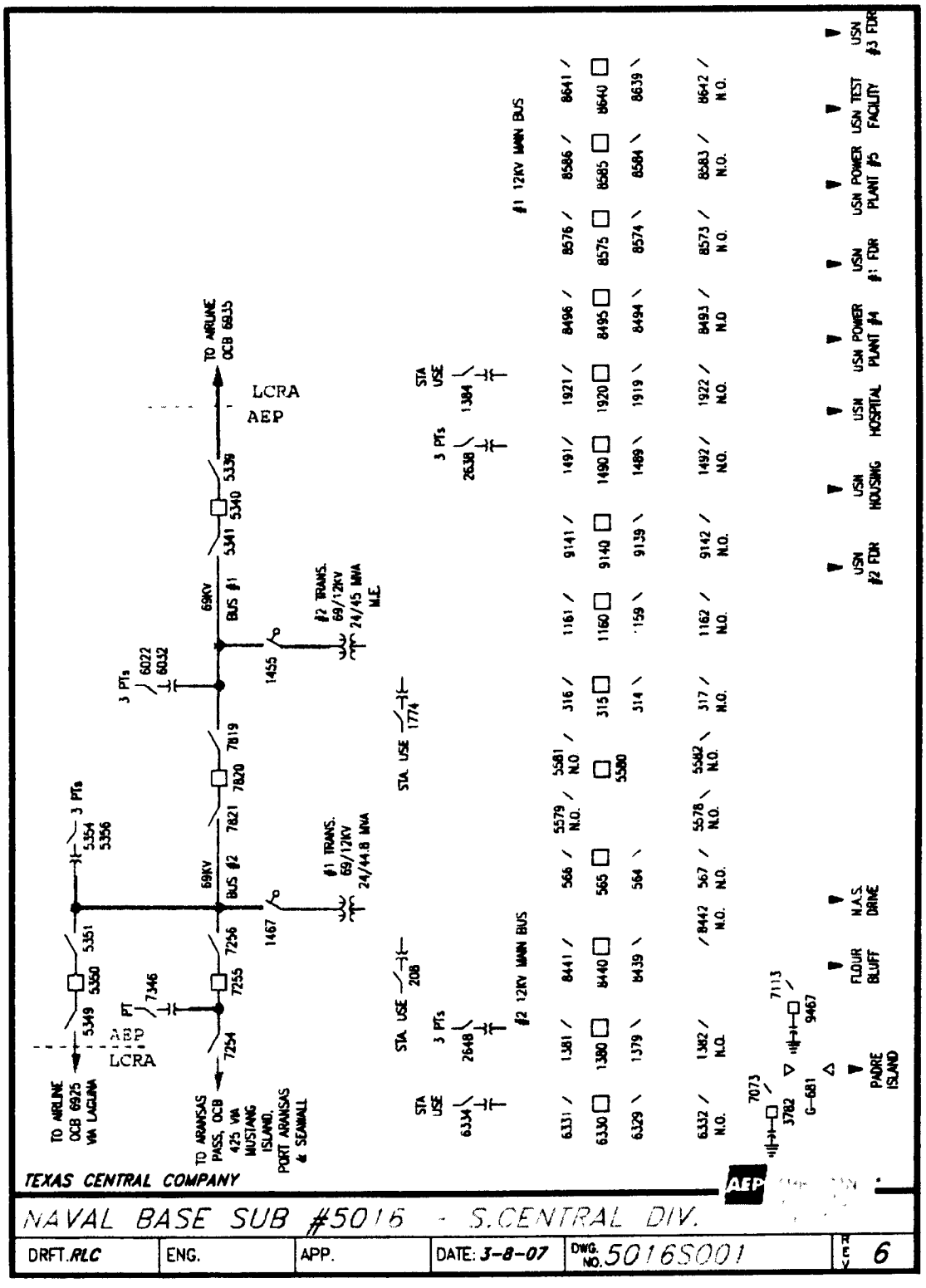
- AEP controls and operates the Naval Base Substation, including all facilities within it.
- AEP controls and operates all transmission lines that terminate into the station.
- AEP coordinates, directs, and performs all control center and field operation activities on the transmission line(s) owned by AEP and LCRA. These activities shall include, but are not limited to, switching, clearances, and outages for planned maintenance and operations, emergency service restoration, and overall coordination of such activities with ERCOT.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions:

- AEP will poll the AEP RTU installed inside the substation and LCRA will have access to the RTU data via a direct Inter-control Center Communications Protocol (ICCP) communication circuit between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.


TEXAS CENTRAL COMPANY
AEP
NAVAL BASE SUB #5016 - S.CENTRAL DIV.
DRFT. RLC
ENG.
APP.
DATE: 3-8-07
DWG. NO. 5016S001
REV. 6
LCRA
AEP
TO AIRLINE OCB 6925 VIA LAGUNA
TO ARANSAS PASS, OCB 425 VIA MUSTANG ISLAND, PORT ARANSAS & SEAWALL
TO AIRLINE OCB 6935
69KV BUS #1
69KV BUS #2
#1 TRANS. 69/12KV 24/44.8 MVA
#2 TRANS. 69/12KV 24/45 MVA N.E.
3 PTs
PT
STA USE
#1 12KV MAIN BUS
#2 12KV MAIN BUS
USN #2 FDR
USN HOUSING
USN HOSPITAL
USN POWER PLANT #4
USN #1 FDR
USN POWER PLANT #5
USN TEST FACILITY
USN #3 FDR
FLOUR BLUFF
N.A.S. DRIVE
PADRE ISLAND

FACILITY SCHEDULE NO. 40

1 Name: **Airline**

2. Location: The Airline Substation is located in Corpus Christi, Texas in Nueces County. There are two Points of Interconnection at the Airline Substation. One is at the termination of the 69 kV transmission line from the Naval Base Substation and the other is at the termination of the 69 kV transmission line from the Laguna Substation. Both Points of Interconnection are at the point where the jumper conductors from the substation equipment physically contact the connectors on the 69 kV transmission line conductors.

3. Delivery Voltage: 69 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

- Airline Substation, including all the substation facilities within it
- jumper conductors from the station facilities to the Point(s) of Interconnection
- substation deadend structures that terminate all transmission lines into the station
- the following transmission line(s) comprised of structures, easements, conductors, insulators, and connecting hardware:
  - Airline to Pharaoh 138 kV transmission line
  - Airline to Wooldridge 138 kV transmission line
  - Airline to Barney M. Davis Power Plant 138 kV transmission line
  - Airline to Holly 138 kV transmission line
- a four-wire RTU communication circuit from the station to the AEP control center
- any under-built distribution voltage circuits and any OPGW shield/fiber aerial cable and attached fiber optic communications circuits attached to AEP's transmission lines that terminate into the station

LCRA owns the following facilities:

- insulators and hardware on the deadend structures that terminate the 69 kV transmission lines from the Naval Base and Laguna stations
- the following transmission line(s) comprised of easements, structures, conductors, insulators, and connecting hardware :

- Airline to Naval Base 69 kV transmission line
- Airline to Laguna 69 kV transmission line

7. Facility Operation and Maintenance Responsibilities of the Parties:

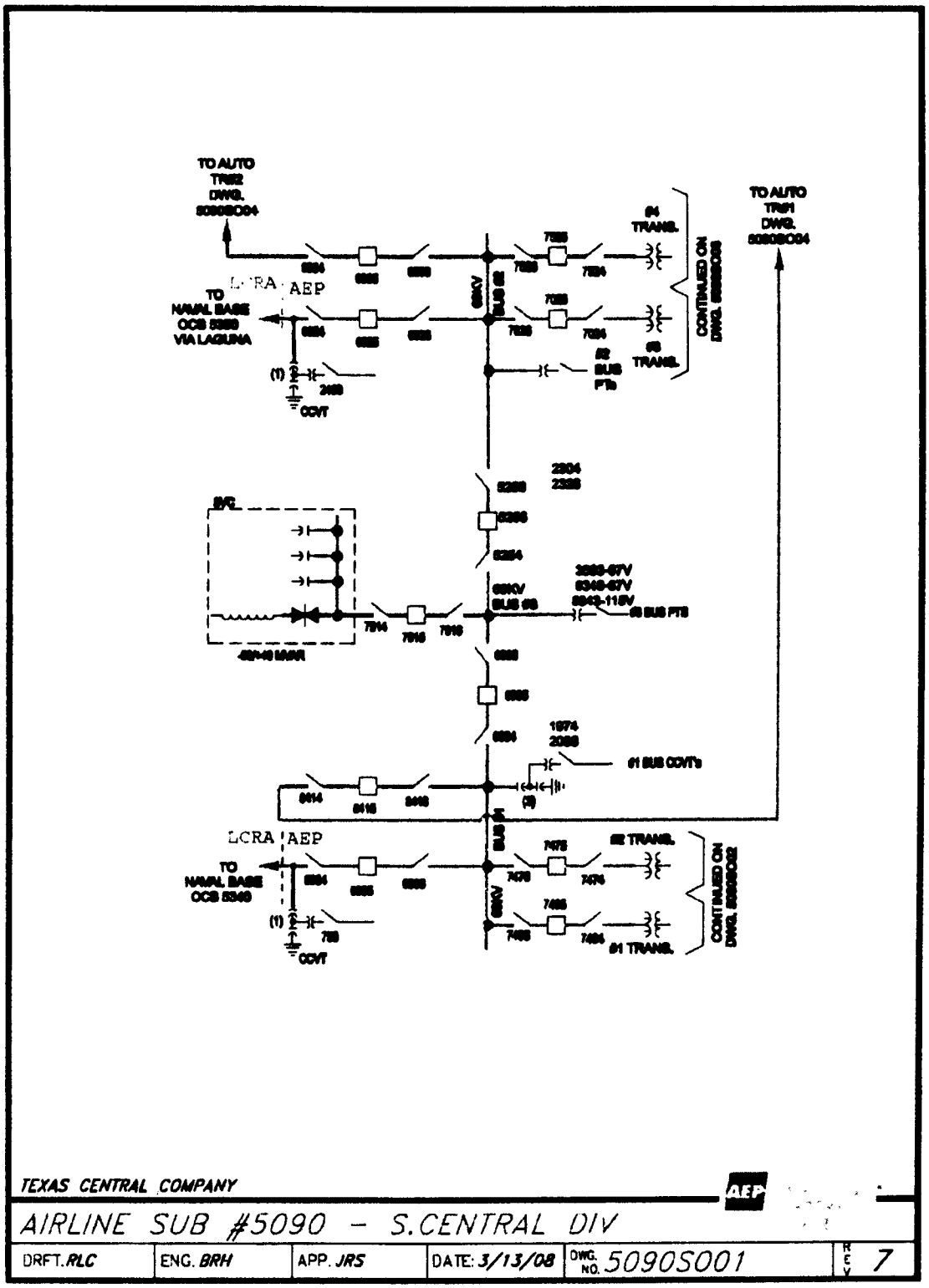
- AEP controls and operates the Airline Substation, including all facilities within it.
- AEP controls and operates all transmission lines that terminate into the station.
- AEP coordinates, directs, and performs all control center and field operation activities on the transmission line(s) owned by AEP and LCRA. These activities shall include, but are not limited to, switching, clearances, and outages for planned maintenance and operations, emergency service restoration, and overall coordination of such activities with ERCOT.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions:

- AEP will poll the AEP RTU installed inside the substation and LCRA will have access to the RTU data via a direct Inter-control Center Communications Protocol (ICCP) communication circuit between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.


TO AUTO TR#2 DWG. 5090SC04
TO AUTO TR#1 DWG. 5090SC04
LCRA
AEP
TO NAVAL BASE OCB 5360 VIA LAGUNA
CCVT
#1 TRANS.
#2 TRANS.
CONTINUED ON DWG. 5090SC03
69KV BUS #2
#2 BUS PTs
SVC.
69KV BUS #1
#1 BUS PTs
#1 BUS CCVTs
TO NAVAL BASE OCB 5340
#2 TRANS.
CONTINUED ON DWG. 5090SC02
TEXAS CENTRAL COMPANY
AEP
AIRLINE SUB #5090 - S.CENTRAL DIV
DRFT. RLC
ENG. BRH
APP. JRS
DATE: 3/13/08
DWG. NO. 5090S001
REV 7

FACILITY SCHEDULE NO. 41

1. Name: **North Padre Tap**

2. Location: The North Padre Tap is located 3.8 miles from the North Padre Island Substation in Corpus Christi, Texas in Nueces County. The Point of Interconnection is on the south side of LCRA's single-circuit dead-end transmission structure ("Tap Structure") where AEP's 69 kV transmission line from North Padre Island Substation to the Tap Structure interconnects with LCRA's 69 kV transmission line from the Tap Structure to Mustang Island Substation and is defined as the points where LCRA's jumpers at the Tap Structure connect to AEP's Transmission Line.

3. Delivery Voltage: 69 kV

4. Normal Operation of Interconnection: Closed

5. Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

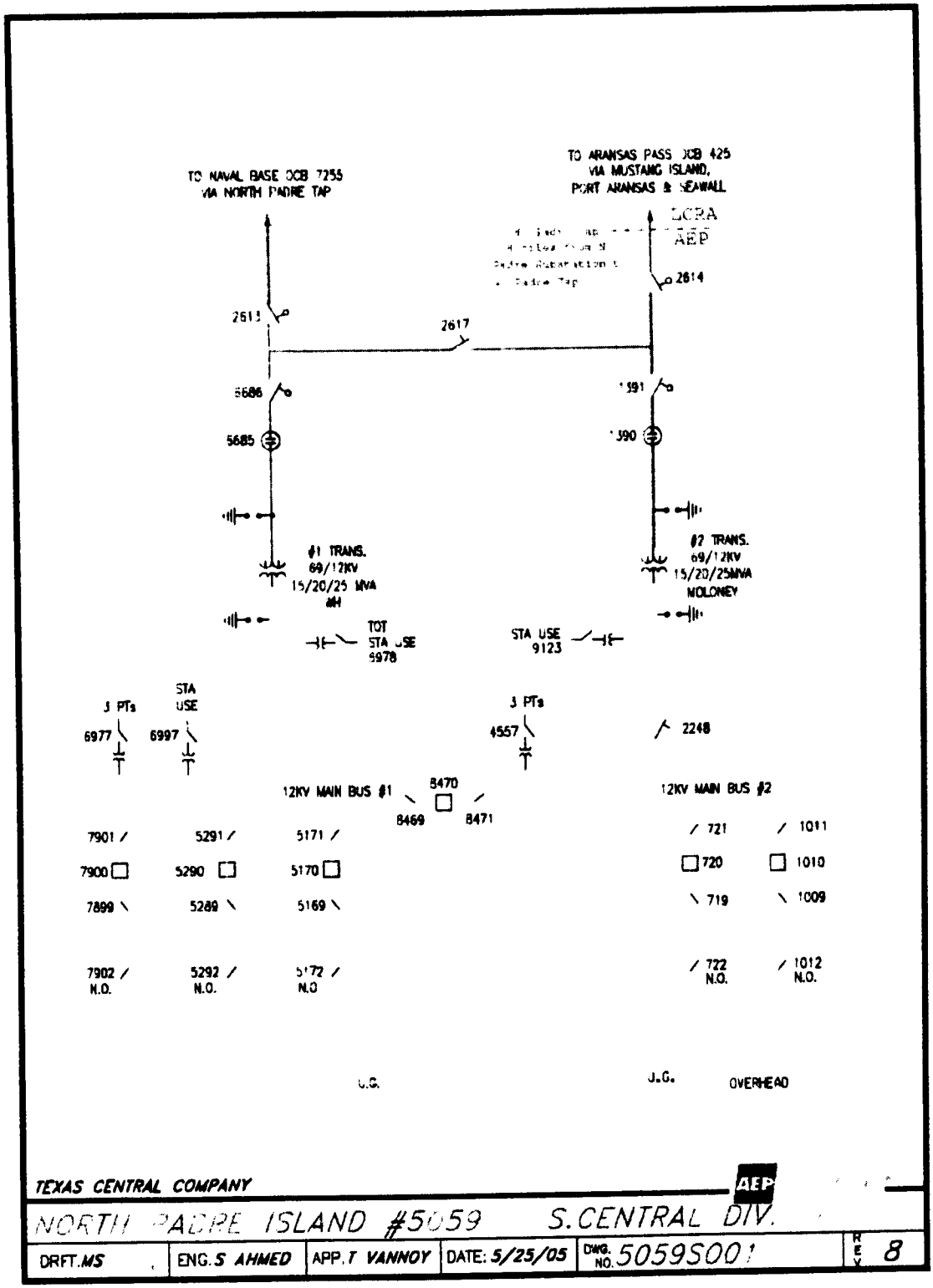
- 69 kV transmission line from the North Padre Island Substation to the Tap Structure including dead-end insulator string and line termination hardware
- transmission line easements, OPGW shield/fiber aerial cable and fiber optic communications circuits and any under-built distribution voltage circuits attached to the Mustang Island to Naval Base 69 kV transmission line

LCRA owns the following facilities:

- 69 kV transmission line from the Mustang Island Substation to the Tap Structure
- Tap Structure and line jumpers

7. Facility Operation and Maintenance Responsibilities of the Parties:

- AEP controls and operates the North Padre Island Substation, including all facilities within it.
- AEP controls and operates the Naval Base to Mustang Island 69 kV transmission line.


TO NAVAL BASE OCB 7255
VIA NORTH PADRE TAP
TO ARANSAS PASS OCB 425
VIA MUSTANG ISLAND,
PORT ARANSAS & SEAWALL
LCRA
AEP
2614
2613
2617
5686
5685
1391
1390
#1 TRANS.
69/12KV
15/20/25 MVA
MH
#2 TRANS.
69/12KV
15/20/25MVA
MOLONEY
TOT
STA USE
6978
STA USE
9123
3 PTs
6977
STA
USE
6997
3 PTs
4557
2248
12KV MAIN BUS #1
8470
8469
8471
12KV MAIN BUS #2
7901
7900
7899
7902
N.O.
5291
5290
5289
5292
N.O.
5171
5170
5169
5172
N.O.
721
720
719
722
N.O.
1011
1010
1009
1012
N.O.
U.G.
U.G.
OVERHEAD
TEXAS CENTRAL COMPANY
AEP
NORTH PADRE ISLAND #5059
S. CENTRAL DIV.
DRFT. MS
ENG. S AHMED
APP. T VANNOY
DATE: 5/25/05
DWG. NO. 5059S001
REV 8

FACILITY SCHEDULE NO. 42

1 Name: **Mustang Island**

2. Location: The Mustang Island Substation is located in Corpus Christi, Texas in Nueces County. There are two Points of Interconnection at the Mustang Island Substation. One is at the termination of the 69 kV transmission line from the North Padre Island Substation and the other is at the termination of the 69 kV transmission line from the Port Aransas Substation. Both Points of Interconnection are at the point where the jumper conductors from the substation equipment physically contact the connectors on the 69 kV transmission line conductors.

3. Delivery Voltage: 69 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

- Mustang Island Substation, including all the substation facilities within it
- jumper conductors from the station facilities to the Point(s) of Interconnection
- substation deadend structures that terminate all transmission lines into the station
- a four-wire RTU communication circuit from the station to the AEP control center
- transmission line easements, OPGW shield/fiber aerial cable and attached fiber optic communications circuits, and any under-built distribution voltage circuits attached to the transmission lines that terminate into the station

LCRA owns the following facilities:

- insulators and hardware on the deadend structures that terminate the 69 kV transmission lines from the North Padre Island and Port Aransas stations
- the following transmission line(s) comprised of structures, conductors, insulators, and connecting hardware:
  - 69 kV transmission line from Mustang Island to Port Aransas
  - transmission line from Mustang Island to the North Padre Tap in the Mustang Island to North Padre Island 69 kV transmission line

7. Facility Operation and Maintenance Responsibilities of the Parties:

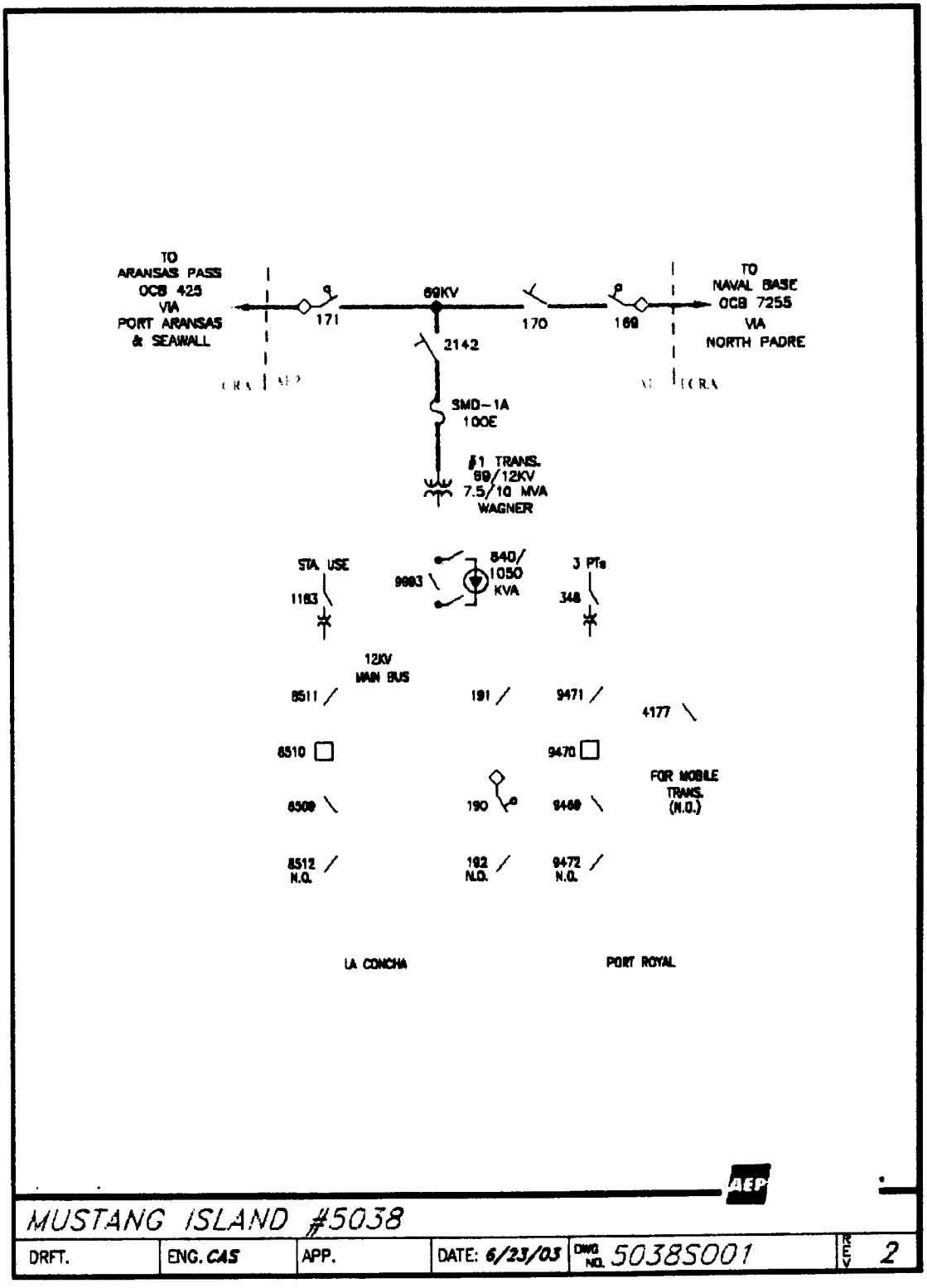
- AEP controls and operates the Mustang Island Substation, including all facilities within it.
- AEP controls and operates all transmission lines that terminate into the station.
- AEP coordinates, directs, and performs all control center and field operation activities on the transmission line(s) owned by AEP and LCRA. These activities shall include, but are not limited to, switching, clearances, and outages for planned maintenance and operations, emergency service restoration, and overall coordination of such activities with ERCOT.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions:

- AEP will poll the AEP RTU installed inside the substation and LCRA will have access to the RTU data via a direct Inter-control Center Communications Protocol (ICCP) communication circuit between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.


TO
ARANSAS PASS
OCB 425
VIA
PORT ARANSAS
& SEAWALL
171
69KV
170
169
TO
NAVAL BASE
OCB 7255
VIA
NORTH PADRE
2142
SMD-1A
100E
#1 TRANS.
69/12KV
7.5/10 MVA
WAGNER
STA. USE
1183
9883
840/
1050
KVA
3 PTs
348
12KV
MAIN BUS
8511
191
9471
4177
8510
9470
FOR MOBILE
TRANS.
(N.O.)
8509
190
9469
8512
N.O.
192
N.O.
9472
N.O.
LA CONCHA
PORT ROYAL
AEP
MUSTANG ISLAND #5038
DRFT.
ENG. CAS
APP.
DATE: 6/23/03
DWG NO. 5038S001
REV 2

FACILITY SCHEDULE NO. 43

1. Name: **Port Aransas**

2. Location: The Port Aransas Substation is located in Port Aransas, Texas in Aransas County. The Point of Interconnection is at the termination of the 69 kV transmission line from The Mustang Island Substation where the jumper conductors from the substation equipment physically contact the connectors on the 69 kV transmission line conductors.

3. Delivery Voltage: 69 kV

4. Normal Operation of Interconnection: Closed

5. One-Line Diagram Attached: Yes

6. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

- Port Aransas Substation, including all the substation facilities within it
- jumper conductors from the station facilities to the Point(s) of Interconnection
- deadend structures that terminate all transmission lines into the station
- the following transmission line(s) comprised of structures, easements, conductors, insulators, and connecting hardware:
  - Port Aransas to Seawall 69 kV transmission line and cable
- a four-wire RTU communication circuit from the station to the AEP control center
- transmission line easements, OPGW shield/fiber aerial cable and attached fiber optic communications circuits, and any under-built distribution voltage circuits attached to the transmission lines that terminate into the station

LCRA owns the following facilities:

- insulators and hardware on the deadend structures that terminate the 69 kV transmission line from the Mustang Island station
- the following transmission line(s) comprised of structures, conductors, insulators, and connecting hardware:
  - 69 kV transmission line from Port Aransas to Mustang Island

7. Facility Operation and Maintenance Responsibilities of the Parties:

- AEP controls and operates the Port Aransas Substation, including all facilities within it.

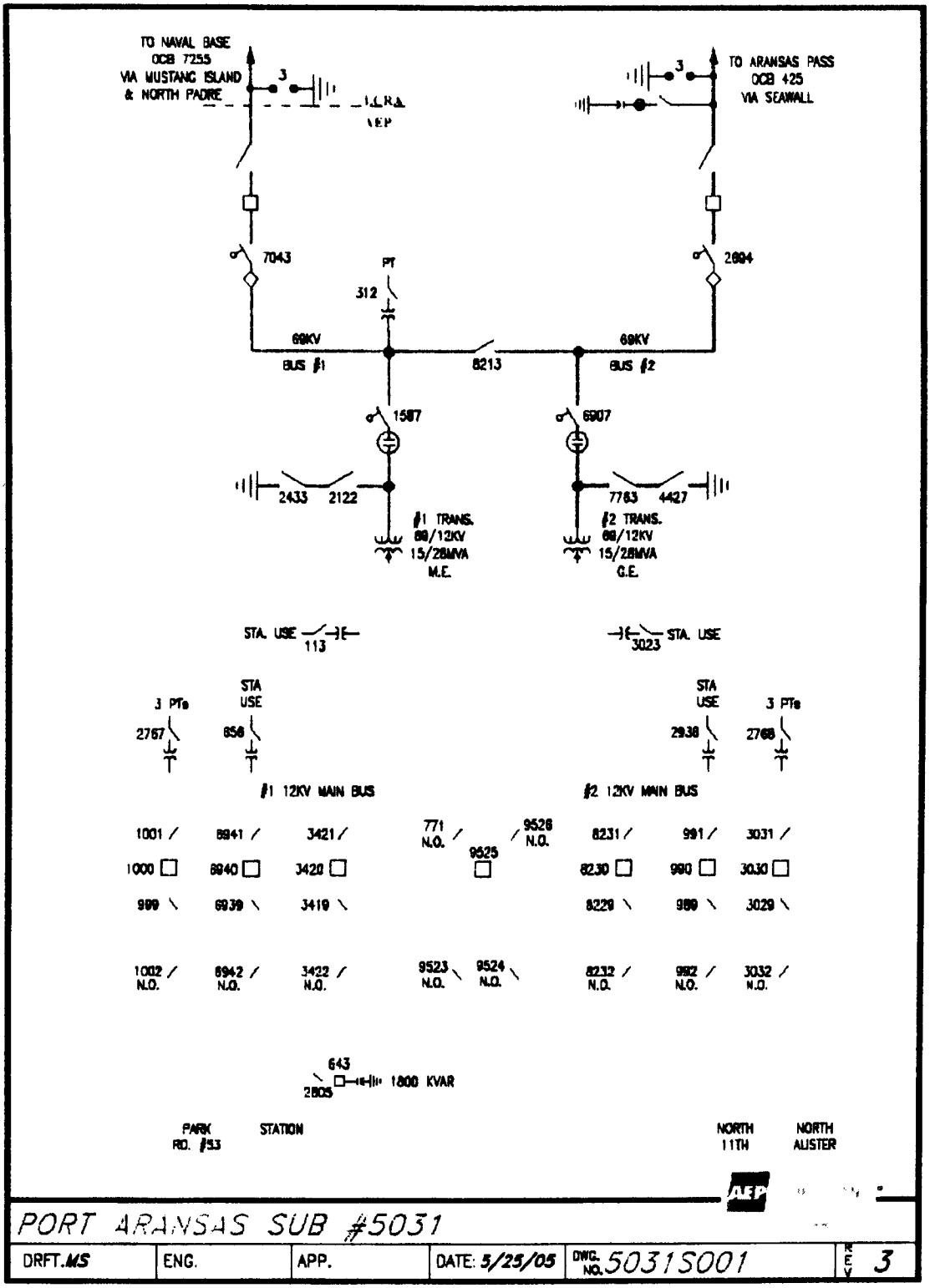
- AEP controls and operates all transmission lines that terminate into the station.
- AEP coordinates, directs, and performs all control center and field operation activities on the transmission line(s) owned by AEP and LCRA. These activities shall include, but are not limited to, switching, clearances, and outages for planned maintenance and operations, emergency service restoration, and overall coordination of such activities with ERCOT.
- Each Party maintains the facilities it owns that are provided for in this Facility Schedule. Maintenance of the facilities, including circuit breaker relays, that are owned by one Party that protect the facilities owned by the other Party , will be subject to review and approval by the other Party.

8. Cost Responsibilities of the Parties:

- Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.
- Each Party will be responsible for all costs it incurs in connection with the establishment and maintenance of the Point of Interconnection in accordance with this Facility Schedule.

9. Other Terms and Conditions:

- AEP will poll the AEP RTU installed inside the substation and LCRA will have access to the RTU data via a direct Inter-control Center Communications Protocol (ICCP) communication circuit between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.


TO NAVAL BASE
OCB 7255
VIA MUSTANG ISLAND
& NORTH PADRE
TO ARANSAS PASS
OCB 425
VIA SEAWALL
7043
PT
312
2894
69KV
BUS #1
8213
69KV
BUS #2
1587
6907
2433
2122
7763
4427
#1 TRANS.
69/12KV
15/28MVA
M.E.
#2 TRANS.
69/12KV
15/28MVA
G.E.
STA. USE
113
STA. USE
3023
3 PTs
2767
STA USE
858
STA USE
2938
3 PTs
2768
#1 12KV MAIN BUS
#2 12KV MAIN BUS
1001
8841
3421
771
N.O.
9526
N.O.
9525
8231
991
3031
1000
8840
3420
8230
990
3030
999
8839
3419
8229
989
3029
1002
N.O.
8842
N.O.
3422
N.O.
9523
N.O.
9524
N.O.
8232
N.O.
992
N.O.
3032
N.O.
643
2805
1800 KVAR
PARK
RD. #53
STATION
NORTH
11TH
NORTH
ALISTER
AEP
PORT ARANSAS SUB #5031
DRFT. MS
ENG.
APP.
DATE: 5/25/05
DWG. NO. 5031S001
REV 3