FACILITY SCHEDULE NO. 11

1. Name: **LCRA North McCamey Switchyard**

2. Location: The LCRA North McCamey Switchyard is in Upton County, located approximately 1.9 miles west of McCamey, Texas. There are two Points of Interconnection at the LCRA North McCamey Switchyard. One is at the termination of the 138kV transmission line from the North McCamey Substation and the second is at the termination of the 138 kV transmission line from the Big Lake Substation. Both Points of Interconnection are at the point where the jumper conductors from the LCRA station equipment physically contact the connectors on the 138kV transmission line conductors.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 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:

- North McCamey Substation and all facilities within it
- 138 kV capacitor banks inside the LCRA North McCamey Switchyard
- the following transmission lines comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures:
  - LCRA North McCamey Switchyard to Big Lake 138 kV transmission line
  - LCRA North McCamey Switchyard to AEP's North McCamey Substation 138kV transmission line
- a four-wire Remote Terminal Unit (RTU) communication circuit from the LCRA North McCamey Switchyard to the AEP control center

LCRA owns the following facilities:

- LCRA North McCamey Switchyard and all the facilities within it, except for those facilities identified above as owned by AEP
- fiber facility entries including patch panel for the optical ground wire (OPGW) facilities inside the LCRA North McCamey control house
- the RTU

- transmission line relay protection panels and all associated equipment for all the transmission lines into the station
- deadend structures that terminate all transmission lines into the station
- jumper conductors from the station facilities to the Points of Interconnection
- the following transmission lines comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures:
  - LCRA North McCamey Switchyard to LCRA Crane double circuit 138 kV transmission line including OPGW
  - LCRA North McCamey Switchyard to LCRA West Yates Switchyard double circuit 138 kV transmission structures with single circuit installed
  - LCRA North McCamey Switchyard to Rio Pecos double circuit 138 kV transmission line
  - LCRA North McCamey Switchyard to the King Mountain East and Southwest Mesa 138 kV taps including OPGW

8. Facility Operation and Maintenance Responsibilities of the Parties:

AEP controls and operates all the facilities it owns that are provided for in this Facility Schedule.

AEP coordinates, directs, and performs all control center and field operation activities on the switchyard facilities and transmission lines owned by 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.

9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.

10. Other Terms and Conditions:

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.

AEP's SCADA will poll the RTU installed at the station and LCRA will have access to the RTU data via a direct Inter-control Center Communications Protocol (ICCP)

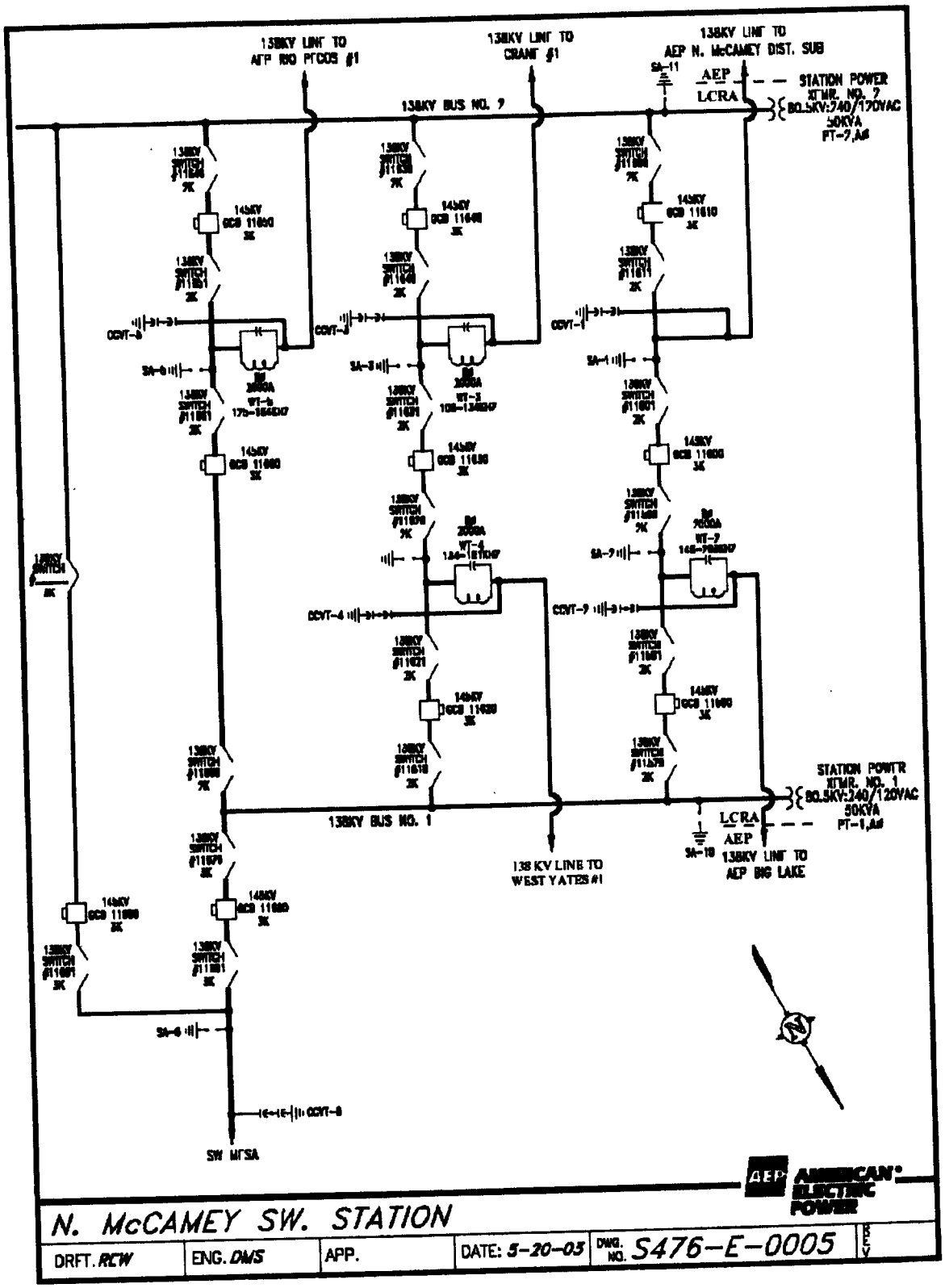
communication circuit between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications protocol issues.

LCRA will assign AEP rights and access, upon request and availability, to the following OPGW related facilities inside the LCRA control house to use in operating the AEP electric transmission system:

- facility entry fibers 19 thru 24 which may not be sublet or reassigned to 3rd party customers
- patch panel rack space for AEP communications equipment
- one 125VDC/200W power supply
- one 120VAC/15A power supply

LCRA shall maintain and repair the OPGW fiber network for failures of individual OPGW segment failures. If a catastrophic fiber network failure occurs over multiple segments due to aging, manufacture defects, or other unexpected reasons it shall be LCRA's option to discontinue the assignment of fibers 19-24 to AEP.

AEP will provide LCRA with DS0 circuits on its T1 multiplexer network fibers if capacity exists when requested. AEP will charge LCRA installation charges but no monthly fee.


138KV LINE TO AEP RIO PECOS #1
138KV LINE TO CRANE #1
138KV LINE TO AEP N. McCAMEY DIST. SUB
138KV BUS NO. 2
AEP
LCRA
STATION POWER XFMR. NO. 2 80.5KV:240/120VAC 50KVA PT-2,A#
138KV BUS NO. 1
138 KV LINE TO WEST YATES #1
138KV LINE TO AEP BIG LAKE
STATION POWER XFMR. NO. 1 80.5KV:240/120VAC 50KVA PT-1,A#
SW MTSA
N. McCAMEY SW. STATION
DRFT. RCW
ENG. DWS
APP.
DATE: 5-20-05
DWG. NO. S476-E-0005
REV
AMERICAN ELECTRIC POWER

FACILITY SCHEDULE NO. 12

1. Name: **McCamey**

2. Location: The McCamey Substation is in the City of McCamey, Texas in Upton County. There are two Points of Interconnection at the McCamey Substation. One is at the termination of the 138kV transmission line from the LCRA North McCamey Switchyard and the second is at the termination of the 138kV transmission line from the LCRA West Yates Switchyard. Both Points of Interconnection are at the point where the jumper conductors from the substation equipment physically contact the connectors on the 138kV transmission line conductors.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 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:

- McCamey Substation and all the facilities within it
- structures that terminate all the 69 kV transmission lines into the station
- the following transmission lines comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures:
  - McCamey to Rio Pecos 69 kV transmission line
  - McCamey to Big Lake 69 kV transmission line
- jumper conductors from the substation facilities to the Points of Interconnection

LCRA owns the following facilities:

- insulators, conductors, and hardware that terminate the LCRA North McCamey Switchyard and LCRA West Yates Switchyard 138kV transmission lines
- the following transmission lines comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures:
  - LCRA North McCamey Switchyard to LCRA West Yates Switchyard double circuit 138 kV transmission structures with single circuit installed, except the line tap at Desert Sky II and a portion of the McCamey Substation easement are owned by AEP

8. Facility Operation and Maintenance Responsibilities of the Parties:

AEP controls and operates the McCamey substation and all the facilities within it.

AEP coordinates, directs, and performs all control center and field operation activities on the transmission lines owned by 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.

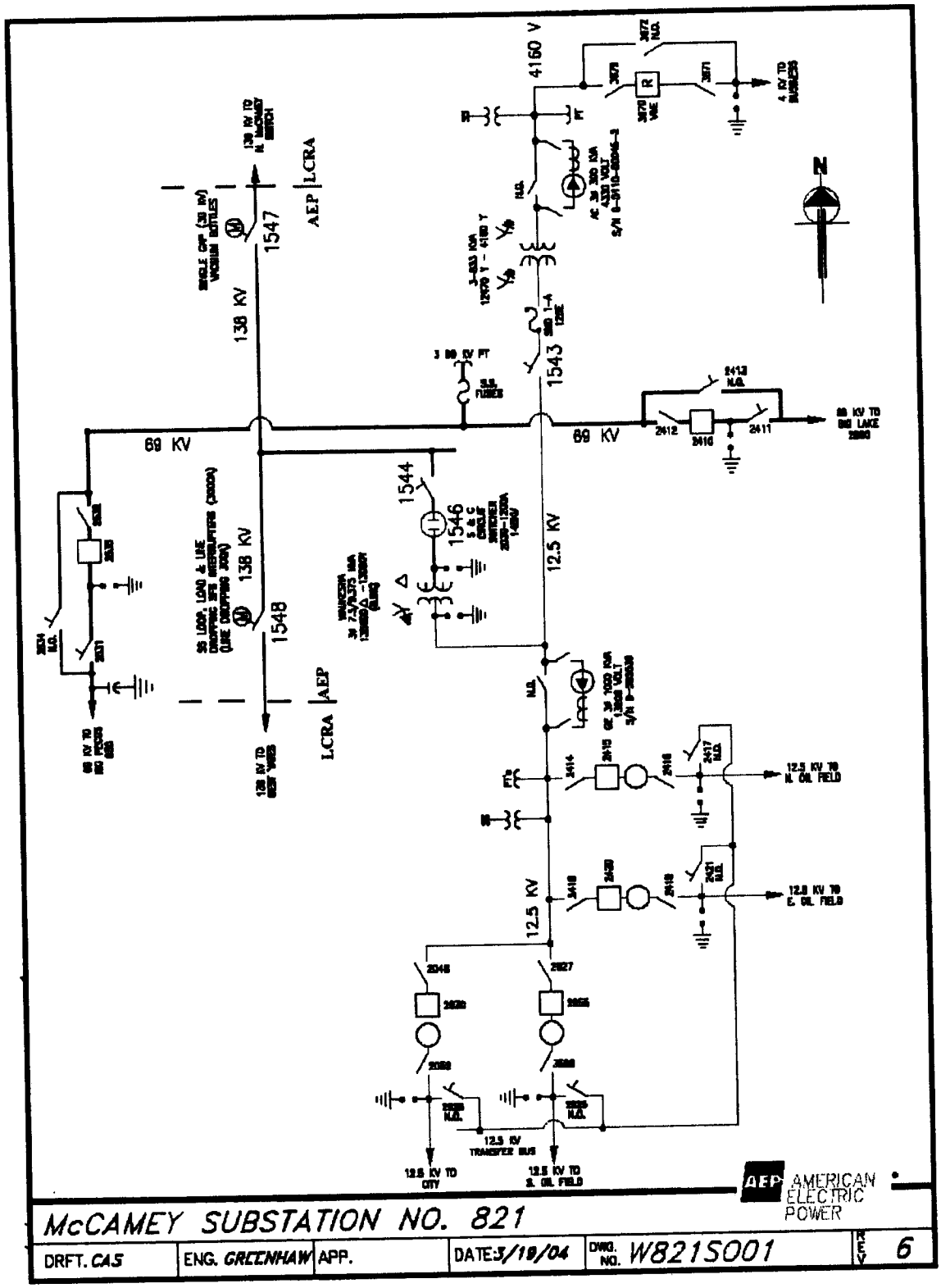
Each Party maintains the facilities it owns that are provided for in this Facility Schedule.

9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.

10. Other Terms and Conditions:

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.


4160 V
138 KV
69 KV
12.5 KV
1547
1548
1543
1544
1546
AEP
LCRA
N
12.5 KV TO CITY
12.5 KV TO E. OIL FIELD
12.5 KV TO N. OIL FIELD
12.5 KV TRANSFER BUS
AEP AMERICAN ELECTRIC POWER
McCAMEY SUBSTATION NO. 821
DRFT. CAS
ENG. GREENHAW
APP.
DATE: 5/19/04
DWG. NO. W821S001
REV 6

FACILITY SCHEDULE NO. 13

1. Name: **LCRA West Yates Switchyard**

2. Location: The LCRA West Yates Switchyard and the adjacent AEP West Yates Substation are located 3 miles west of Iraan, Texas in Pecos County. The Point of Interconnection is at the point where the jumper conductors from the AEP station equipment physically contact the connectors on the transmission line conductors in LCRA's portion of the station.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 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 138/69 kV autotransformer and all associated equipment
- deadend structures that terminate all the 69 kV transmission lines into the substation
- jumper conductors from the AEP station facilities to the Point of Interconnection
- transmission line relay protection panels and all associated equipment for the AEP transmission lines
- the West Yates Substation to Fort Lancaster Substation 69 kV transmission line comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures
- a four-wire Remote Terminal Unit (RTU) communication circuit from the station to the AEP control center

LCRA owns the following facilities:

- West Yates Switchyard 138kV ring-bus and all associated facilities
- the RTU
- transmission line relay protection panels and all associated equipment for the LCRA transmission lines
- deadend structures that terminate all 138kV transmission lines into the West Yates Switchyard

- the 138 kV line from LCRA's portion of the station to AEP's portion of the station
- deadend structure that terminates the 138 kV line into AEP's portion of the station
- easements, conductors, shield wires, insulators, connection hardware, and structures of the following 138kV transmission lines:
  - LCRA West Yates Switchyard to the LCRA Mesa View Switchyard
  - LCRA West Yates Switchyard to LCRA North McCamey Switchyard double circuit structures with single circuit installed, except that the line tap at Desert Sky II and a portion of the McCamey Substation easement are owned by AEP

8. Facility Operation and Maintenance Responsibilities of the Parties:

AEP controls and operates all the facilities it owns that are provided for in this Facility Schedule.

AEP coordinates, directs, and performs all control center and field operation activities on the switchyard facilities and transmission lines owned by 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.

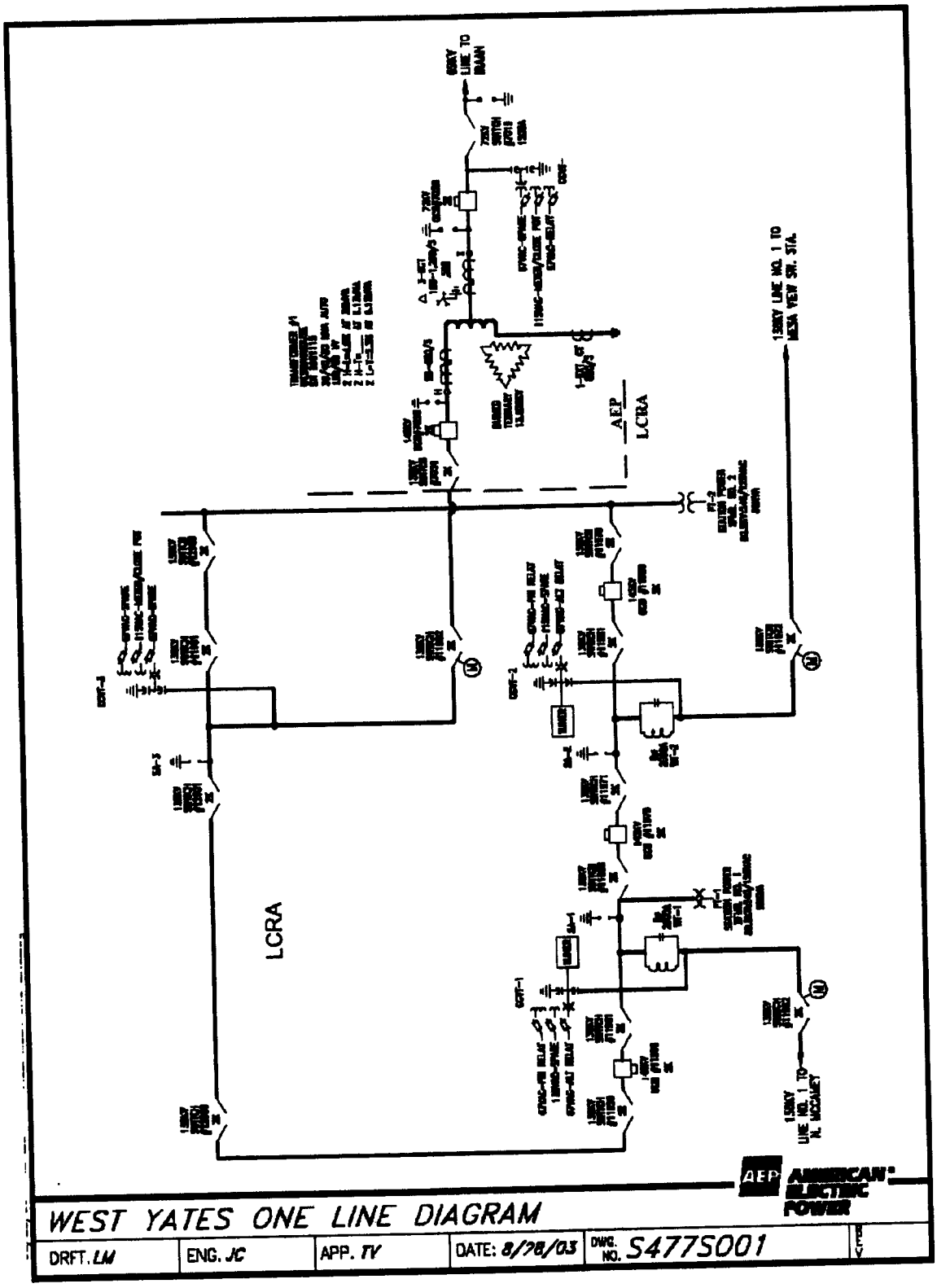
9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.

10. Other Terms and Conditions:

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.

AEP's SCADA will poll the RTU installed at 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.


AEP
LCRA
LCRA
AEP AMERICAN ELECTRIC POWER
WEST YATES ONE LINE DIAGRAM
DRFT. LM
ENG. JC
APP. TV
DATE: 8/28/03
DWG. NO. S477S001

FACILITY SCHEDULE NO. 14

1. Name: **Mesa View**

2. Location: The Mesa View Substation is located near Girvin, Texas in Pecos County. The Point of Interconnection is at the termination of the tap off of the 138 kV transmission line from the LCRA West Yates Switchyard to the LCRA Mesa View Switchyard where the jumper conductors from the station equipment physically contact the connectors on the 138 kV transmission tap line conductors.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 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:

- Mesa View Substation and all facilities within it
- deadend structure that terminates the transmission line tap into the station
- jumper conductors from the station facilities to the Point of Interconnection
- fiber facility entries including patch panel for the optical ground wire (OPGW) facilities inside the Mesa View control house

LCRA owns the following facilities:

- deadend structures and associated switches, hardware, and insulators on the LCRA West Yates Switchyard to LCRA Mesa View Switchyard 138 kV transmission line
- the following transmission lines comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures;
  - LCRA Mesa View Switchyard to LCRA West Yates Switchyard 138 kV transmission line including OPGW from Mesa View Substation to Mesa View Switchyard

8. Facility Operation and Maintenance Responsibilities of the Parties:

AEP controls and operates the Mesa View Substation and all the facilities within it.

AEP coordinates, directs, and performs all control center and field operation activities on the transmission lines owned by 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.

9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.

10. Other Terms and Conditions:

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.

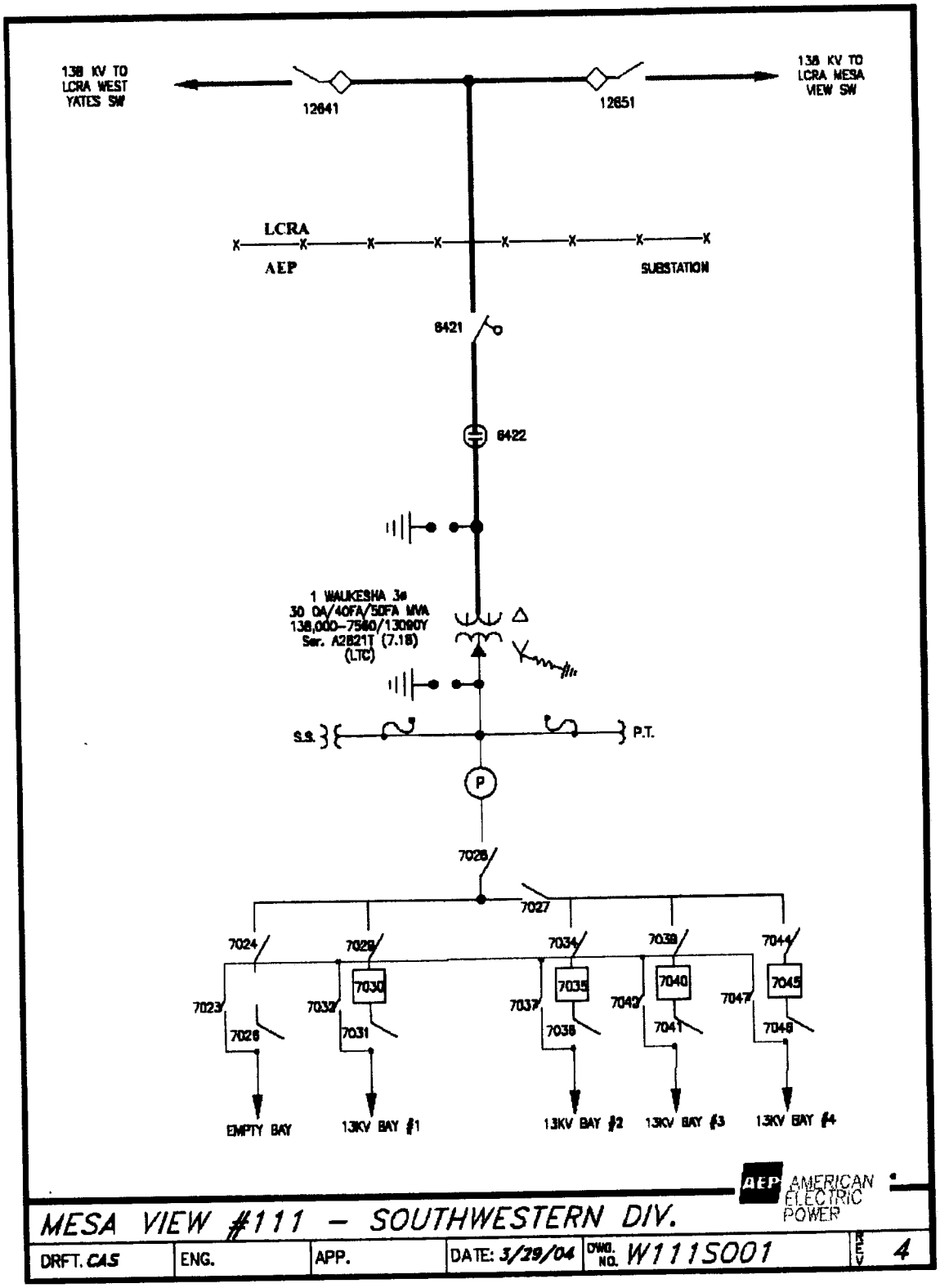
LCRA will assign AEP rights to fibers 19-24 of the OPGW to use in operating the AEP electric transmission system at both the Mesa View Substation and at the LCRA Mesa View Switching Station. The fibers may not be sublet or reassigned to 3rd party customers.

LCRA shall maintain and repair the OPGW fiber network for failures of individual OPGW segment failures. If a catastrophic fiber network failure occurs over multiple segments due to aging, manufacture defects, or other unexpected reasons it shall be LCRA's option to discontinue the assignment of fibers 19-24 to AEP.

AEP will assign LCRA rights and access, upon request and availability, to the following OPGW related facilities inside the AEP control house:

- facility entry fibers 1 thru 18
- patch panel rack space for LCRA communications equipment
- one 125VDC/200W power supply
- one 120VAC/15A power supply

AEP will provide LCRA with DS0 circuits on its T1 multiplexer network fibers if capacity exists when requested. AEP will charge LCRA installation charges but no monthly fee.


138 KV TO LCRA WEST YATES SW
12641
12651
138 KV TO LCRA MESA VIEW SW
LCRA
AEP
SUBSTATION
8421
8422
1 WAUKESHA 3ø
30 OA/40FA/50FA MVA
138,000-7560/13090Y
Ser. A2B21T (7.18)
(LTC)
S.S.
P.T.
P
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7026
7031
7038
7041
7048
EMPTY BAY
13KV BAY #1
13KV BAY #2
13KV BAY #3
13KV BAY #4
AEP AMERICAN ELECTRIC POWER
MESA VIEW #111 - SOUTHWESTERN DIV.
DRFT. CAS
ENG.
APP.
DATE: 3/29/04
DWG. NO. W111S001
REV 4

FACILITY SCHEDULE NO. 15

1. Name: **LCRA Crane Switchyard**

2. Location: The LCRA Crane Switchyard and adjacent AEP Crane Substation are located near Crane, Texas in Crane County. There are two Points of Interconnection at this location. One is at the termination of the 138 kV transmission line from the Rio Pecos Substation where the jumper conductors from the LCRA Crane Switchyard physically contact the conductors on the transmission line. The other is at the termination of the 138 kV transmission line from the AEP Crane Substation where the jumper conductors from the LCRA Crane Switchyard equipment physically contact the connectors on the transmission line conductors.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 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:

- AEP Crane Substation and all facilities within it
- deadend structures that terminate all transmission lines into the AEP Crane Substation
- the AEP Crane to Rio Pecos 138kV transmission line comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures
- the 138 kV line from the LCRA Crane Switchyard to the AEP Crane Substation
- a four-wire Remote Terminal Unit (RTU) communication circuit from the AEP Crane Substation to the AEP control center

LCRA owns the following facilities:

- LCRA Crane Switchyard and all facilities within it
- fiber facility entries including patch panel for the optical ground wire (OPGW) facilities inside the LCRA Crane control house
- the RTU

- transmission line relay protection panels and all associated equipment for all of the transmission lines
- deadend structures that terminate all transmission lines into the switchyard
- the following transmission lines comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures:
  - LCRA Crane Switchyard to Rio Pecos 138 kV transmission line including OPGW
  - LCRA Crane to LCRA North McCamey Switchyard double circuit 138 kV transmission line including OPGW
  - LCRA Crane Switchyard to ONCOR's Odessa EHV 138kV transmission line
  - LCRA Crane Switchyard to ONCOR's Midkiff 138kV transmission line

8. Facility Operation and Maintenance Responsibilities of the Parties:

AEP controls and operates all the facilities it owns that are provided for in this Facility Schedule.

AEP coordinates, directs, and performs all control center and field operation activities on the switchyard facilities and transmission lines owned by 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.

9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.

10. Other Terms and Conditions:

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.

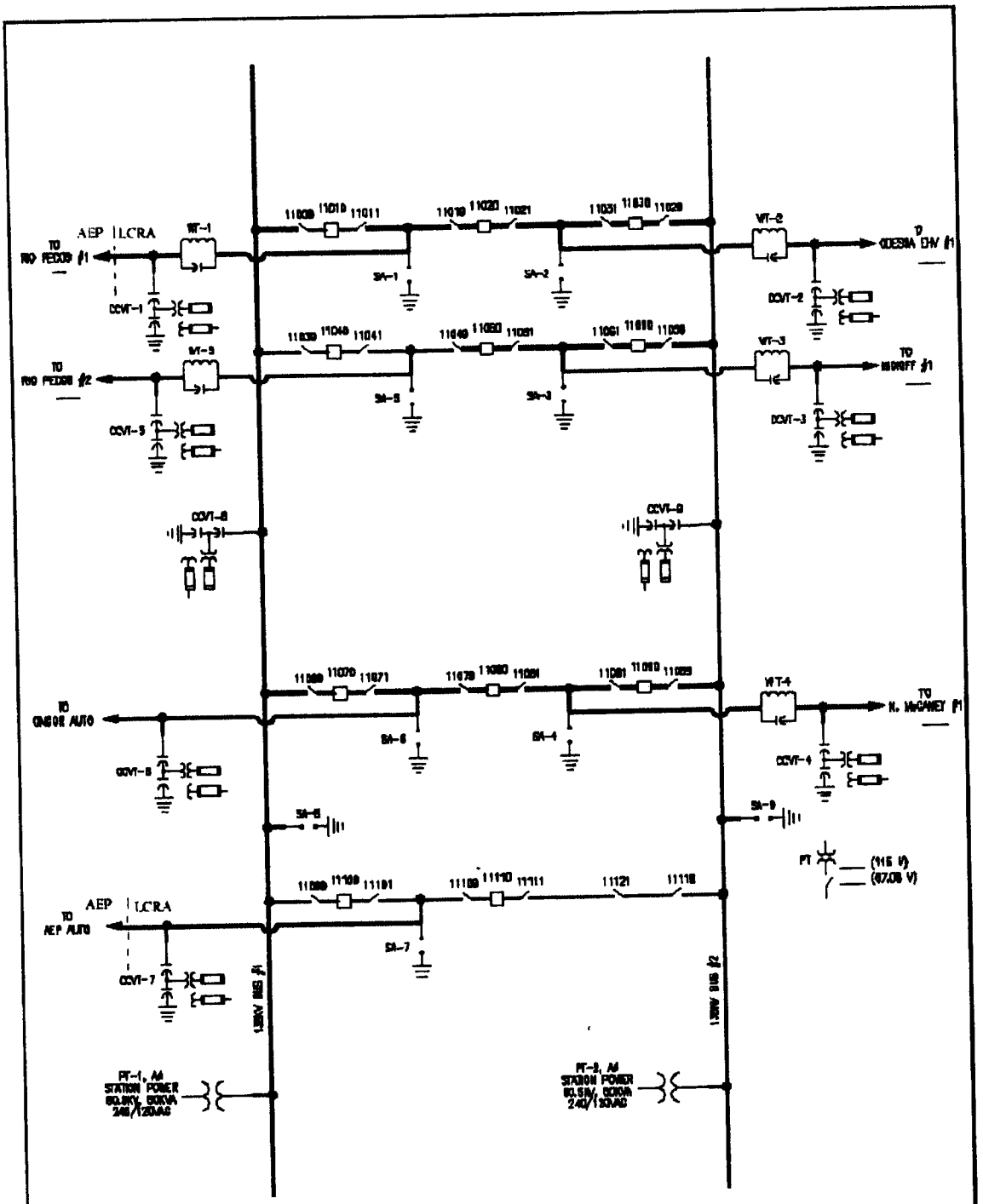
AEP's SCADA will poll the RTU installed at the station and LCRA will have access to the RTU data via a direct Inter-control Center Communications Protocol (ICCP) communication circuit between the Parties' control centers. The Parties will coordinate the analog and digital point list and communications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

LCRA will assign AEP rights and access, upon request and availability, to the following OPGW related facilities inside the LCRA control house to use in operating the AEP electric transmission system:

- facility entry fibers 19 thru 24 which may not be sublet or reassigned to 3rd party customers
- patch panel rack space for AEP communications equipment
- one 125VDC/200W power supply
- one 120VAC/15A power supply

LCRA shall maintain and repair the OPGW fiber network for failures of individual OPGW segment failures. If a catastrophic fiber network failure occurs over multiple segments due to aging, manufacture defects, or other unexpected reasons it shall be LCRA's option to discontinue the assignment of fibers 19-24 to AEP.

AEP will provide LCRA with DS0 circuits on its T1 multiplexer network fibers if capacity exists when requested. AEP will charge LCRA installation charges but no monthly fee.



AEP AMERICAN ELECTRIC POWER

LCRA–CRANE SUBSTATION S475 – INITIAL					
DRFT. PLW	ENG. PLW	APP.	DATE: 5/21/02	DWG. NO. CRANEONELINE	REV 0

FACILITY SCHEDULE NO. 16

1. Name: **Spudder Flats**

2. Location: The Spudder Flats Substation is located near McCamey, Texas in Crane County. The Point of Interconnection is where the jumper conductors from the substation equipment physically contact the connectors on the conductors of the 138 kV transmission line from the Rio Pecos Substation to LCRA Crane Switching Station.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 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:

- Spudder Flats Substation and all facilities within it.
- jumper conductors from the station facilities to the Point of Interconnection.

LCRA owns the following facilities:

- deadend structures and associated switches, insulators, and hardware that connects the substation to the transmission line
- the following 138 kV transmission lines comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures:
  - 138 kV transmission line from AEP's Rio Pecos Substation to LCRA's Crane Switching Station including OPGW

8. Facility Operation and Maintenance Responsibilities of the Parties:

AEP controls and operates all the facilities it owns that are provided for in this Facility Schedule.

AEP coordinates, directs, and performs all control center and field operation activities on the transmission lines owned by 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.

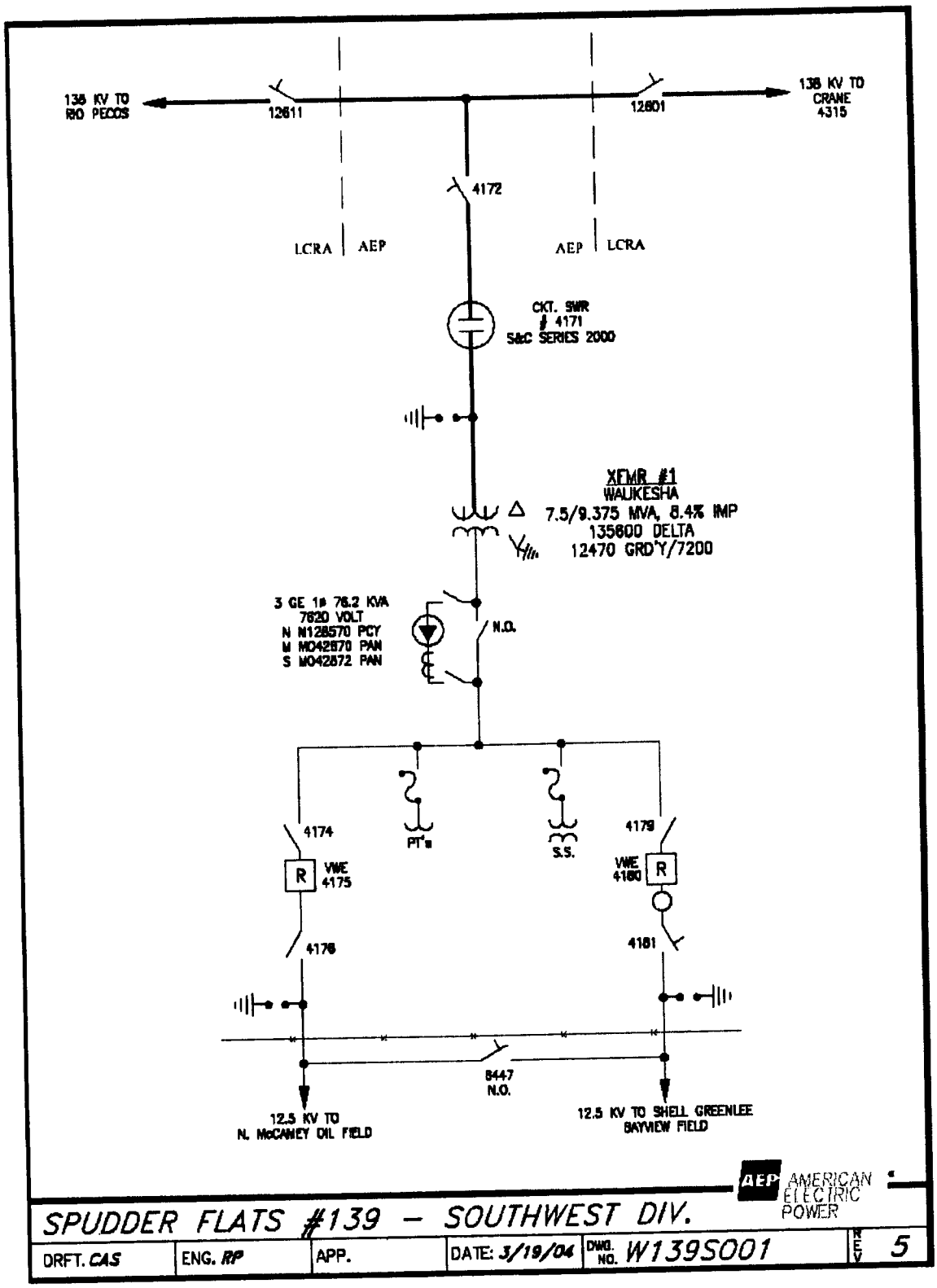
Each Party maintains the facilities it owns that are provided for in this Facility Schedule.

9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.

10. Other Terms and Conditions:

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.


138 KV TO
RIO PECOS
12611
12601
138 KV TO
CRANE
4315
4172
LCRA
AEP
AEP
LCRA
CKT. SWR
4171
S&C SERIES 2000
XFMR #1
WAUKESHA
7.5/9.375 MVA, 8.4% IMP
13560D DELTA
12470 GRD'Y/7200
3 GE 1# 76.2 KVA
7620 VOLT
N N128570 PCY
M MO42870 PAN
S MO42872 PAN
N.O.
4174
VWE
4175
R
PT's
S.S.
4179
VWE
4180
R
4176
4181
8447
N.O.
12.5 KV TO
N. McCAMEY OIL FIELD
12.5 KV TO SHELL GREENLEE
BAYVIEW FIELD
AEP
AMERICAN
ELECTRIC
POWER
SPUDDER FLATS #139 - SOUTHWEST DIV.
DRFT. CAS
ENG. RP
APP.
DATE: 3/19/04
DWG. NO. W139S001
REV 5

FACILITY SCHEDULE NO. 17

1. Name: **Rio Pecos**

2. Location: The Rio Pecos Station is located near Girvin, Texas in Pecos County. There are four Points of Interconnection at the Rio Pecos Substation. Two are at the termination of the double circuit 138 kV transmission line from the LCRA North McCamey Switchyard, another is at the termination of the 138 kV transmission line from the LCRA Crane Switchyard, and the other is at the termination of the 138 kV transmission line from the LCRA Mesa View Switchyard. All the 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. Metered Voltage: 138 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:

- Rio Pecos Station and all facilities within it, except those facilities identified below as owned by LCRA
- transmission line relay protection panels and all associated equipment for all the transmission lines
- deadend structures that terminate all the transmission lines into the station
- jumper conductors from the station facilities to the Points of Interconnection
- the following transmission lines comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures;
  - Rio Pecos to McCamey 69 kV transmission line
  - Rio Pecos to Fort Stockton Switching Station 69 kV transmission line
  - Rio Pecos to Fort Stockton 138 kV transmission line
  - Rio Pecos to WTU Crane 138 kV transmission line
- a four-wire Remote Terminal Unit (RTU) communication circuit from the station to the AEP control center
- the RTU
- fiber facility entries including patch panel for the optical ground wire (OPGW)

facilities inside the Rio Pecos control house

LCRA owns the following facilities:

- fiber facility entries including patch panel for the optical ground wire (OPGW) facilities inside the Rio Pecos control house
- insulators and hardware on the deadend structures that terminate the 138 kV transmission lines from the LCRA North McCamey Switchyard, LCRA Crane Switchyard, and LCRA Mesa View Switchyard stations
- the following transmission lines comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures:
  - Rio Pecos to LCRA North McCamey Switchyard double circuit 138 kV transmission line
  - Rio Pecos to LCRA Mesa View Switchyard 138 kV transmission line including OPGW
  - Rio Pecos to LCRA Crane Switchyard 138 kV transmission line including OPGW

8. Facility Operation and Maintenance Responsibilities of the Parties:

AEP controls and operates all the facilities it owns that are provided for in this Facility Schedule.

AEP coordinates, directs, and performs all control center and field operation activities on the transmission lines owned by 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.

9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.

10. Other Terms and Conditions:

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.

AEP's SCADA will poll the AEP RTU installed at 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.

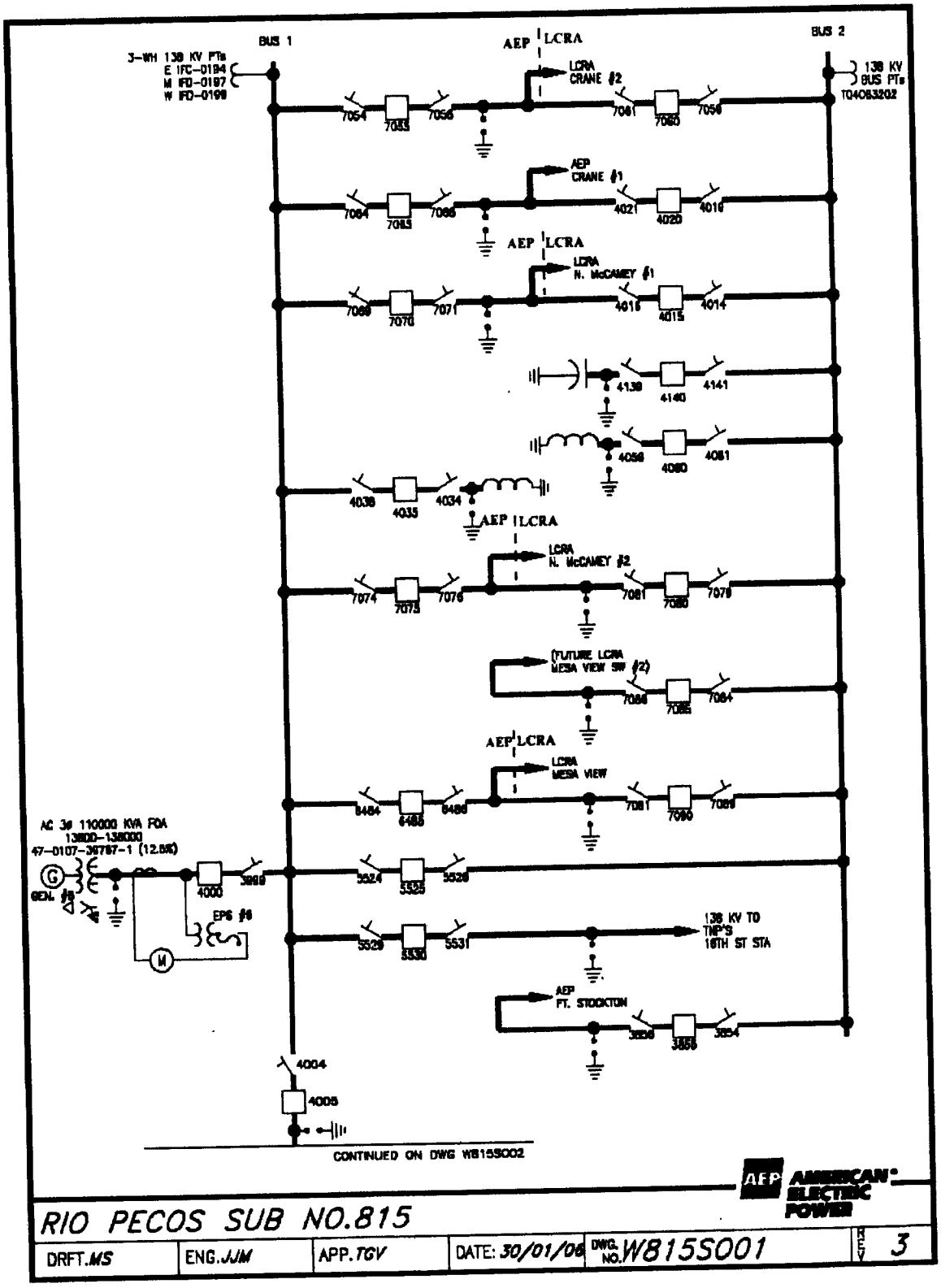
LCRA will assign AEP rights to fibers 19-24 of the OPGW to use in operating the AEP electric transmission system. The fibers may not be sublet or reassigned to 3rd party customers.

LCRA shall maintain and repair the OPGW fiber network for failures of individual OPGW segment failures. If a catastrophic fiber network failure occurs over multiple segments due to aging, manufacture defects, or other unexpected reasons it shall be LCRA's option to discontinue the assignment of fibers 19-24 to AEP.

AEP will assign LCRA rights and access, upon request and availability, to the following OPGW related facilities inside the AEP control house:

- facility entry fibers 1 thru 18
- patch panel rack space for LCRA communications equipment
- one 125VDC/200W power supply
- one 120VAC/15A power supply

AEP will provide LCRA with DS0 circuits on its T1 multiplexer network fibers if capacity exists when requested. AEP will charge LCRA installation charges but no monthly fee.


BUS 1
BUS 2
AEP | LCRA
3-WH 138 KV PTs
E IFC-0194
M IFD-0197
W IFD-0198
LCRA CRANE #2
138 KV BUS PTs
TQ4083202
AEP CRANE #1
AEP | LCRA
LCRA N. McCAMEY #1
AEP | LCRA
LCRA N. McCAMEY #2
(FUTURE LCRA MESA VIEW SW #2)
AEP | LCRA
LCRA MESA VIEW
AC 3Ø 110000 KVA FOA
138DD-13800Y
47-0107-36787-1 (12.8kV)
GEN. #6
EPS #6
138 KV TO TNP'S 16TH ST STA
AEP FT. STOCKTON
4004
4005
CONTINUED ON DWG W815S002
AEP AMERICAN ELECTRIC POWER
RIO PECOS SUB NO.815
DRFT. MS
ENG. JJM
APP. TGV
DATE: 30/01/06
DWG. NO. W815S001
REV. 3

FACILITY SCHEDULE NO. 18

1. Name: **Indian Mesa**

2. Location: The Indian Mesa Substation is located near Girvin, Texas in Pecos County. There are two Points of Interconnection at the Indian Mesa Substation. One Point of Interconnection is at the termination of the 138 kV transmission line from the Rio Pecos Substation. The second Point of interconnection is at the termination of the 138 kV transmission line from the LCRA Mesa View Switchyard. Both Points of Interconnection are at the point where the jumper conductors from the station equipment physically contact the connectors on the 138 kV transmission line conductors.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 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:

- Indian Mesa Substation and all facilities within it.
- deadend structures and associated switches that terminate all transmission lines into the station.
- jumper conductors from the station facilities to the Points of Interconnection.
- fiber facility entries including patch panel for the optical ground wire (OPGW) facilities inside the Indian Mesa control house

LCRA owns the following facilities:

- deadend structures, conductors, hardware, and insulators at the termination of the 138 kV transmission lines from the LCRA Mesa View Switchyard and the Rio Pecos Substation.
- the following 138 kV transmission lines comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures;
  - Indian Mesa to LCRA Mesa View Switchyard including OPGW
  - Indian Mesa to Rio Pecos Substation including OPGW

8. Facility Operation and Maintenance Responsibilities of the Parties:

AEP controls and operates all the facilities it owns that are provided for in this Facility Schedule.

AEP coordinates, directs, and performs all control center and field operation activities on the transmission lines owned by 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.

9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.

10. Other Terms and Conditions:

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.

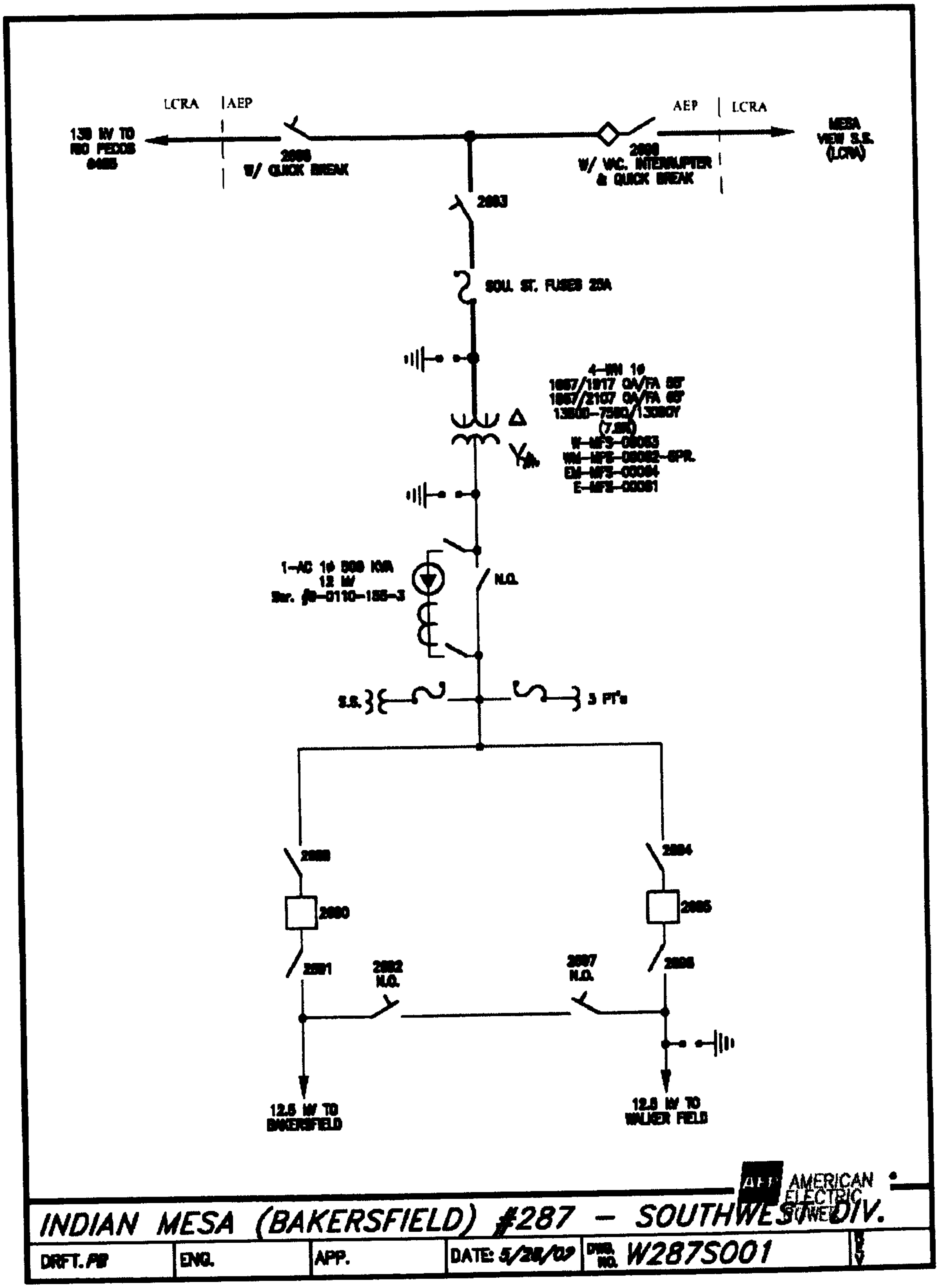
LCRA will assign AEP rights to fibers 19-24 of the OPGW to use in operating the AEP electric transmission system. The fibers may not be sublet or reassigned to 3rd party customers.

LCRA shall maintain and repair the OPGW fiber network for failures of individual OPGW segment failures. If a catastrophic fiber network failure occurs over multiple segments due to aging, manufacture defects, or other unexpected reasons it shall be LCRA's option to discontinue the assignment of fibers 19-24 to AEP.

AEP will assign LCRA rights and access, upon request and availability, to the following OPGW related facilities inside the AEP control house:

- facility entry fibers 1 thru 18
- patch panel rack space for LCRA communications equipment
- one 125VDC/200W power supply
- one 120VAC/15A power supply

AEP will provide LCRA with DS0 circuits on its T1 multiplexer network fibers if capacity exists when requested. AEP will charge LCRA installation charges but no monthly fee.


LCRA
AEP
AEP
LCRA
130 kV TO
RIO PECOS
W/ QUICK BREAK
W/ VAC. INTERRUPTER
& QUICK BREAK
MESA
VIEW S.S.
(LCRA)
SOLI. ST. FUSES 20A
N.O.
S.S.
3 PT's
N.O.
N.O.
12.5 kV TO
BAKERSFIELD
12.5 kV TO
WALKER FIELD
AMERICAN
ELECTRIC
POWER
INDIAN MESA (BAKERSFIELD) #287 - SOUTHWESTERN DIV.
DRFT.
ENG.
APP.
DATE:
DWG. NO. W287S001

FACILITY SCHEDULE NO. 19

1. Name: **Twin Buttes 138 kV Switchyard**

2. Location: The Twin Buttes 138 kV Switchyard is approximately 5 miles from the Big Lake to San Angelo Power Station 138 kV transmission line near San Angelo, Texas in Tom Green County. The Point of Interconnection is at the termination of the 138 kV transmission line from the Big Lake Substation where jumper conductors from switchyard equipment physically contact connectors on the 138 kV transmission line conductors.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 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:

- a four-wire Remote Terminal Unit (RTU) communication circuit from the Twin Buttes Switchyard to the AEP control center
- 138 kV transmission line comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures from LCRA's double-pole deadend transmission structure to AEP's Big Lake Substation
- 138kV transmission line comprised of only the easements, conductors, shield wires, insulators, and connecting hardware from LCRA's double-pole deadend transmission structure to the Twin Buttes Switchyard

LCRA owns the following facilities:

- Twin Buttes Switchyard and all facilities within it
- the RTU
- transmission line relay protection panels and all associated equipment for all the transmission lines
- deadend structures that terminate all transmission lines into the station
- double-pole deadend transmission structure that turns in the AEP 138 kV transmission line from the Big Lake Substation and the LCRA 138kV transmission from the San Angelo Power Station

- all the transmission line structures from the double-pole deadend structure to the Twin Buttes Switchyard
- the 138 kV transmission line comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures to AEP's San Angelo Power Station

8. Facility Operation and Maintenance Responsibilities of the Parties:

AEP controls and operates all the facilities it owns that are provided for in this Facility Schedule.

AEP coordinates, directs, and performs all control center and field operation activities on the switchyard facilities and transmission lines owned by 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.

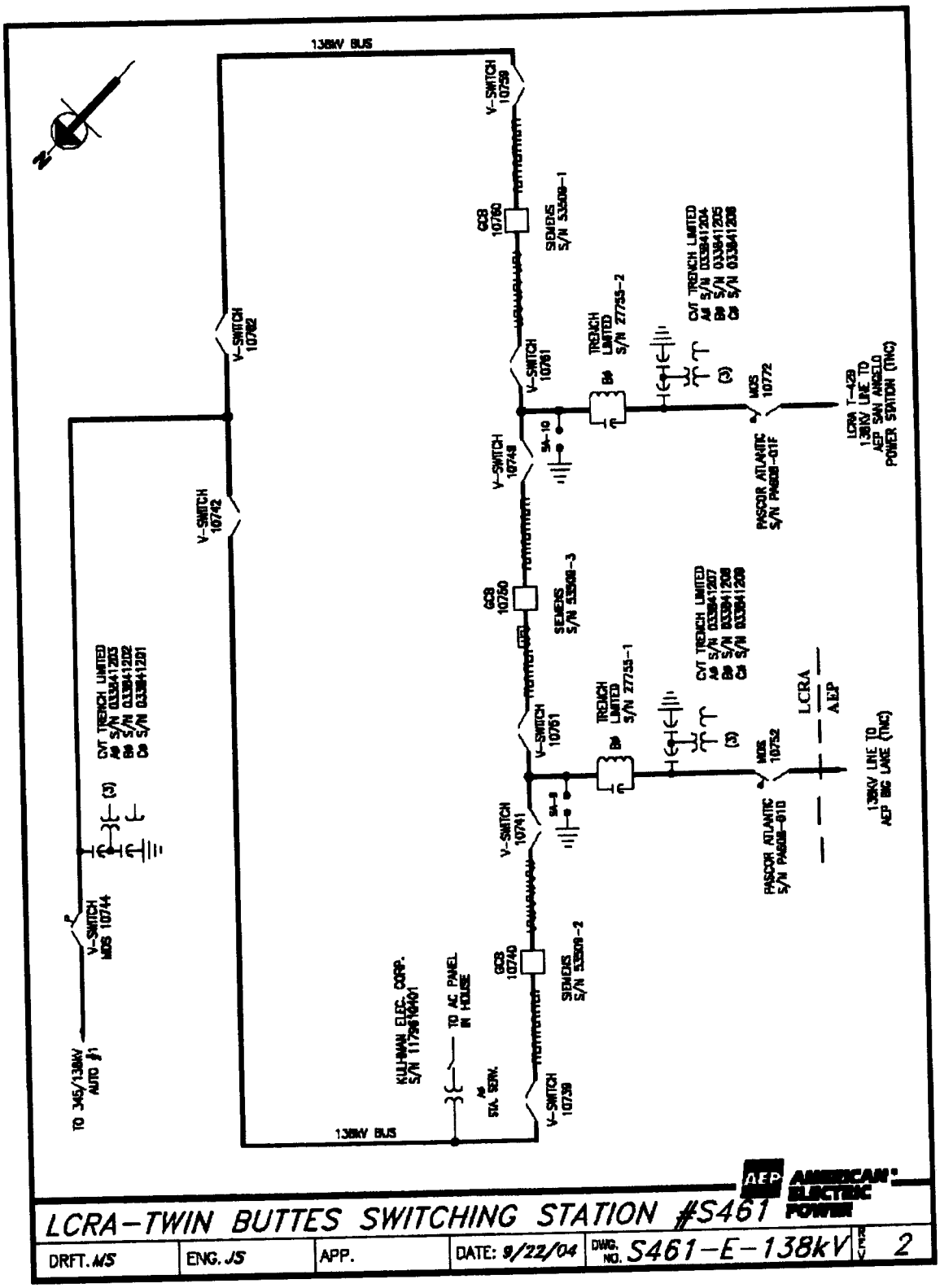
9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.

10. Other Terms and Conditions:

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.

AEP's SCADA will poll the RTU installed at 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.


138kV BUS
V-SWITCH 10739
GCB 10760
SIEMENS S/N 53509-1
V-SWITCH 10762
V-SWITCH 10761
TRENCH LIMITED S/N 27753-2
CVT TRENCH LIMITED
MOS 10772
PASCOR ATLANTIC S/N PA608-01F
LCRA T-429 138kV LINE TO AEP SAN ANGELO POWER STATION (TNC)
V-SWITCH 10742
V-SWITCH 10743
GCB 10750
SIEMENS S/N 53508-3
CVT TRENCH LIMITED
V-SWITCH 10761
TRENCH LIMITED S/N 27753-1
MOS 10752
LCRA
AEP
PASCOR ATLANTIC S/N PA608-01D
138kV LINE TO AEP BIG LAKE (TNC)
CVT TRENCH LIMITED
V-SWITCH MOS 10744
TO 345/138kV AUTO #1
V-SWITCH 10741
GCB 10740
SIEMENS S/N 53508-2
KULHMAN ELEC. CORP. S/N 1179616401
TO AC PANEL IN HOUSE
AC STA. SERV.
V-SWITCH 10739
138kV BUS
AEP AMERICAN ELECTRIC POWER
LCRA–TWIN BUTTES SWITCHING STATION #S461
DRFT. MS
ENG. JS
APP.
DATE: 9/22/04
DWG. NO. S461-E-138kV
REV. 2

FACILITY SCHEDULE NO. 20

1. Name: **Red Creek**

2. Location: The Red Creek Substation is northeast of the City of San Angelo, Texas in Tom Green County. There are two Points of Interconnection at the Red Creek Substation. One is at the termination of the 345 kV transmission line from the Twin Buttes Switchyard and the other is at the termination of the 345 kV transmission line from TXU's Comanche Switching Station. Both Points of Interconnection are at the point where the jumper conductors from the substation equipment physically contact the connectors on the 345 kV transmission line conductors.

3. Delivery Voltage: 345 kV

4. Metered Voltage: 345 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:

- Red Creek Substation and all the facilities within it
- the Remote Terminal Unit (RTU)
- transmission line relay protection panels and all associated equipment for the LCRA transmission lines
- deadend structures that terminate all transmission lines into the station
- the following transmission lines comprised of easements, shield wires, conductors, insulators, connecting hardware, and structures:
  - Red Creek to Mulberry Creek 345 kV transmission line
  - Red Creek to Oak Creek 138 kV transmission line
  - Red Creek to North Angelo 138 kV transmission line
  - Red Creek to Concho 138 kV transmission line
  - Red Creek to Ballinger 138 kV transmission line
  - Red Creek to San Angelo Power Station 138 kV transmission line
- jumper conductors from the station to the Points of Interconnection
- a four-wire RTU communication circuit from the station to the AEP control center

LCRA owns the following facilities:

- the following transmission lines comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures:
  - Red Creek to Twin Buttes 345 kV transmission line
  - Red Creek to TXU's Comanche Switching Station 345 kV transmission line

8. Facility Operation and Maintenance Responsibilities of the Parties:

AEP controls and operates all the facilities it owns that are provided for in this Facility Schedule.

AEP coordinates, directs, and performs all control center and field operation activities on the transmission lines owned by 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.

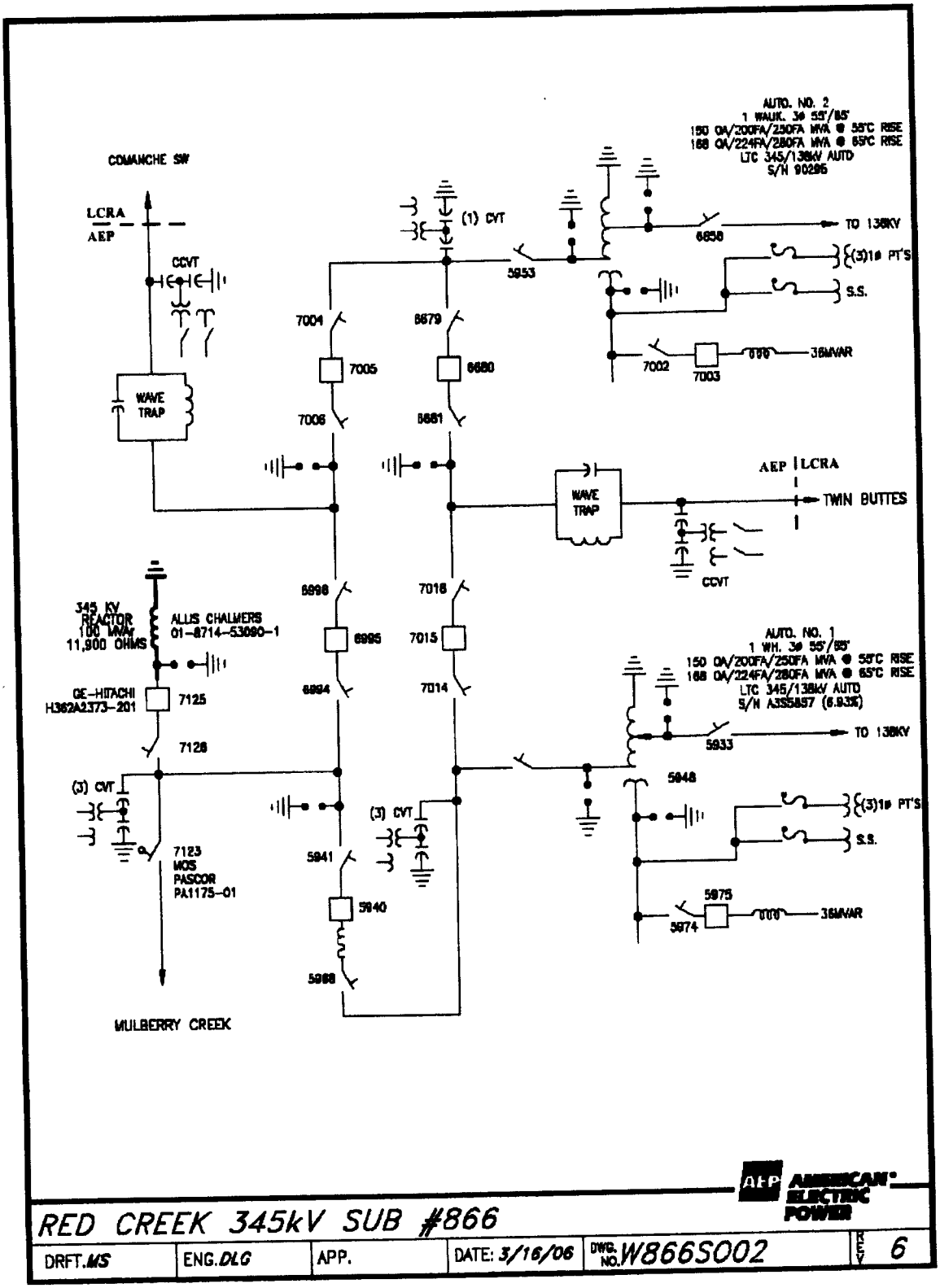
9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.

10. Other Terms and Conditions:

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.

AEP's SCADA will poll the AEP RTU installed at 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.


AUTO. NO. 2
1 WAUK. 3Ø 55°/65°
150 OA/200FA/250FA MVA @ 55°C RISE
168 OA/224FA/280FA MVA @ 65°C RISE
LTC 345/138kV AUTO
S/N 90295
COMANCHE SW
LCRA
AEP
CCVT
WAVE TRAP
(1) CVT
5953
6658
TO 138KV
(3)1Ø PT'S
S.S.
7004
6679
7005
6680
7006
6681
7002
7003
36MVAR
AEP | LCRA
WAVE TRAP
TWIN BUTTES
CCVT
345 KV REACTOR
100 MVAr
11,900 OHMS
ALLIS CHALMERS
01-8714-53090-1
GE-HITACHI
H362A2373-201
7125
7126
6998
6995
6994
7016
7015
7014
AUTO. NO. 1
1 WH. 3Ø 55°/65°
150 OA/200FA/250FA MVA @ 55°C RISE
168 OA/224FA/280FA MVA @ 65°C RISE
LTC 345/138kV AUTO
S/N A3S5857 (6.93%)
5933
TO 138KV
5948
(3) CVT
7123
MOS
PASCOR
PA1175-01
5941
5940
5988
5975
5974
36MVAR
MULBERRY CREEK
AEP AMERICAN ELECTRIC POWER
RED CREEK 345kV SUB #866
DRFT. MS
ENG. DLG
APP.
DATE: 3/16/06
DWG. NO. W866S002
REV. 6

FACILITY SCHEDULE NO. 21

1. Name: **San Angelo Power Station**

2. Location: The San Angelo Power Station is located in San Angelo, Texas in Tom Green County. The Point of Interconnection is at the termination of the 138 kV transmission line from the Twin Buttes 138 kV Switchyard where the jumper conductors from the station equipment physically contact the connectors on the 138 kV transmission line conductors.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 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:

- San Angelo Power Station and all the facilities within it
- the Remote Terminal Unit (RTU)
- transmission line relay protection panel and all associated equipment for the LCRA transmission line
- deadend structures that terminate all transmission lines into the station
- jumper conductors from the station facilities to the Point of Interconnection
- the following transmission lines comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures:
  - San Angelo Power Station to Red Creek 138 kV transmission line
  - San Angelo Power Station to Concho 138 kV transmission line
  - San Angelo Power Station to Live Oak 138 kV transmission line
  - San Angelo Power Station to College Hills 138 kV transmission line
  - San Angelo Power Station to Menard 138 kV transmission line
  - San Angelo Power Station to College Hills 69 kV transmission line
  - San Angelo Power Station to Concho 69 kV transmission line
- a four-wire RTU communication circuit from the station to the AEP control center

LCRA owns the following facilities:

- 138 kV transmission line comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures, from the Twin Buttes 138 kV Switchyard to the San Angelo Power Station

8. Facility Operation and Maintenance Responsibilities of the Parties:

AEP controls and operates all the facilities it owns that are provided for in this Facility Schedule.

AEP coordinates, directs, and performs all control center and field operation activities on the transmission lines owned by 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.

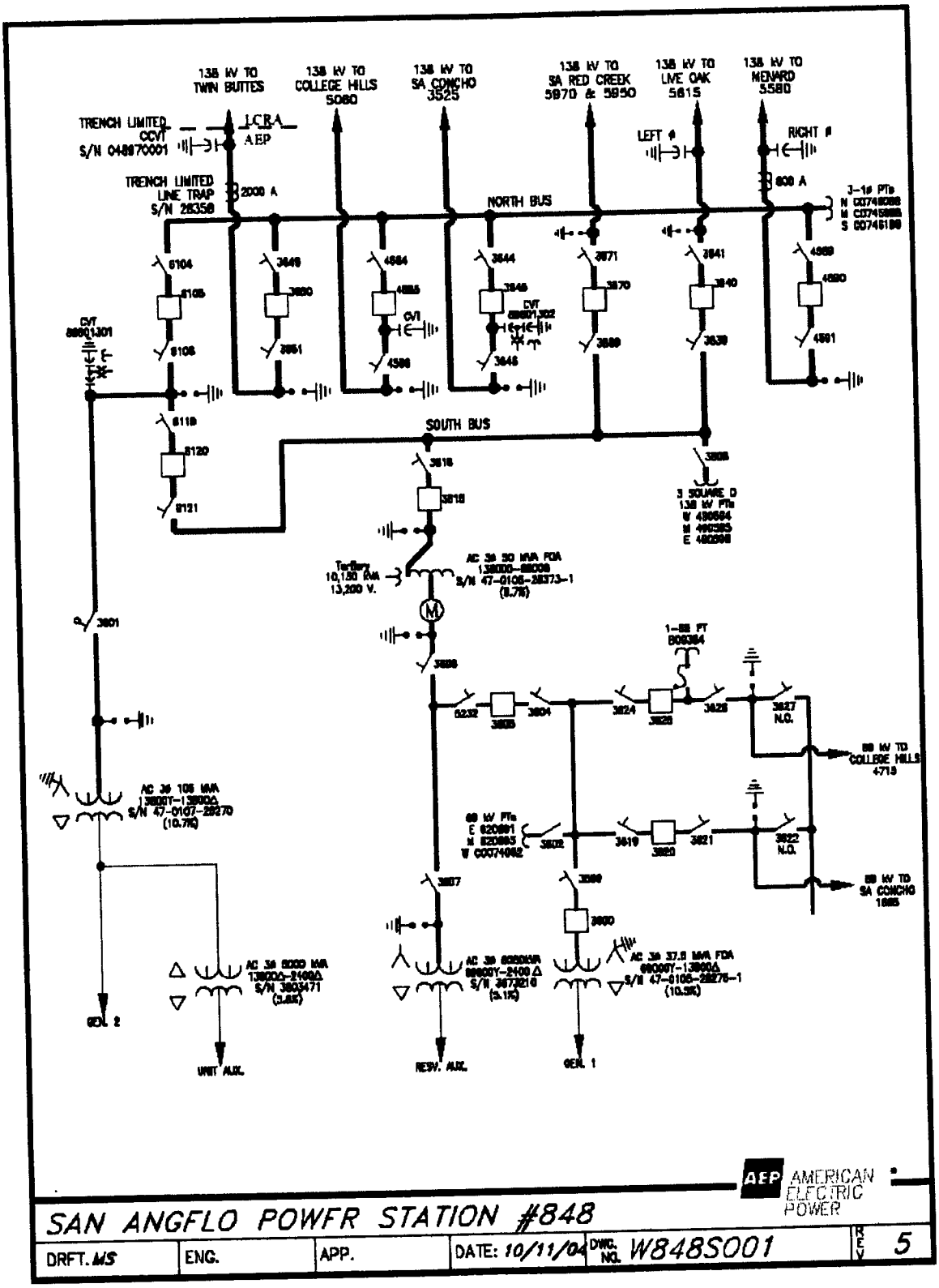
9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.

10. Other Terms and Conditions:

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.

AEP's SCADA will poll the RTU installed at 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.



AEP AMERICAN ELECTRIC POWER

SAN ANGFLO POWFR STATION #848

DRFT. MS	ENG.	APP.	DATE: 10/11/04	DWG. NO. W848S001	REV 5

FACILITY SCHEDULE NO. 22

1. Name: **South Abilene**

2. Location: The South Abilene Substation is located near the City of Abilene, in Taylor County, Texas. The Point of Interconnection is at the termination of the 138 kV transmission line from TXU's Eskota 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. Metered Voltage: 138 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 South Abilene Substation and all facilities within it
- the Remote Terminal Unit (RTU)
- transmission line relay protection panel and all associated equipment for the LCRA transmission line
- deadend structures that terminate all transmission lines into the station
- jumper conductors from the station to the Point of Interconnection
- the easements, conductors, shield wires, insulators, connecting hardware, and structures of the following transmission lines:
  - South Abilene to Elm Creek 69 kV transmission line
  - South Abilene to Abilene Over St 69 kV transmission line
  - South Abilene to Abilene Plant 69 kV transmission line
  - South Abilene to Ballinger 69 kV transmission line
  - South Abilene to Putnam 138 kV transmission line
  - South Abilene to Oak Creek 138 kV transmission line
  - South Abilene to Elm Creek 138 kV transmission line
  - South Abilene to East Abilene 138 kV transmission line
  - South Abilene to Ft Phantom 138 kV transmission line
- a four-wire RTU communication circuit from the substation to the AEP control center

LCRA owns the following facilities:

- South Abilene to Eskota 138 kV transmission line comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures

8. Facility Operation and Maintenance Responsibilities of the Parties:

AEP controls and operates all the facilities it owns that are provided for in this Facility Schedule.

AEP coordinates, directs, and performs all control center and field operation activities on the transmission lines owned by 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.

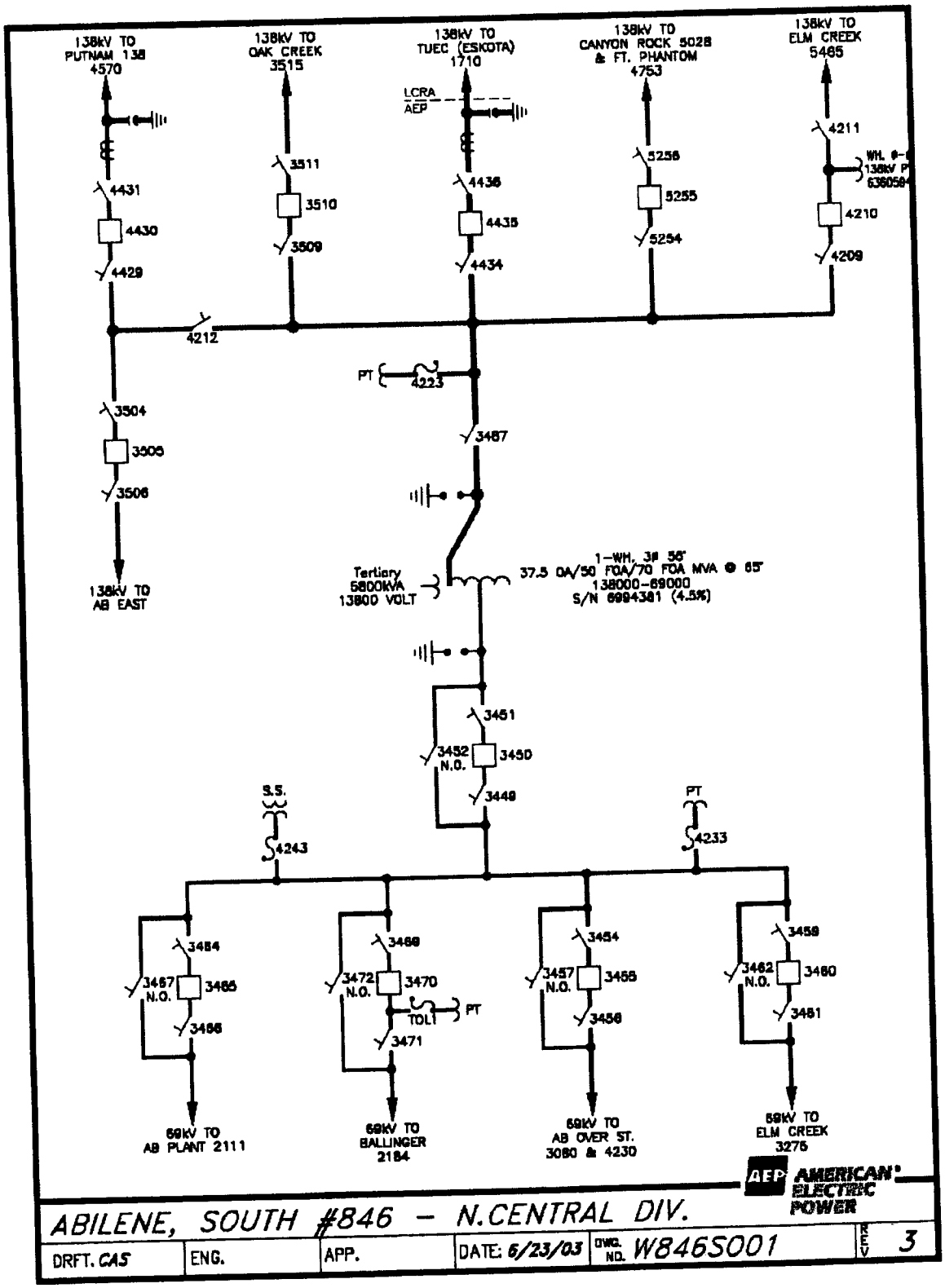
9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.

10. Other Terms and Conditions:

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.

AEP's SCADA will poll the RTU installed at 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.


138kV TO PUTNAM 138 4570
138kV TO OAK CREEK 3515
138kV TO TUEC (ESKOTA) 1710
LCRA
AEP
138kV TO CANYON ROCK 5028 & FT. PHANTOM 4753
138kV TO ELM CREEK 5465
4431
4430
4429
3511
3510
3509
4436
4435
4434
5256
5255
5254
4211
4210
4209
4212
PT
4223
3504
3505
3506
3487
138kV TO AB EAST
Tertiary 5800kVA 13800 VOLT
1-WH, 3# 55°
37.5 OA/50 FOA/70 FOA MVA @ 65°
138000-69000
S/N 6994381 (4.5%)
3451
3452 N.O.
3450
3449
S.S.
4243
PT
4233
3464
3467 N.O.
3466
3468
3472 N.O.
3470
TDLT
PT
3471
3454
3457 N.O.
3455
3456
3458
3462 N.O.
3460
3461
69kV TO AB PLANT 2111
69kV TO BALLINGER 2184
69kV TO AB OVER ST. 3080 & 4230
69kV TO ELM CREEK 3275
AEP AMERICAN ELECTRIC POWER
ABILENE, SOUTH #846 - N.CENTRAL DIV.
DRFT. CAS
ENG.
APP.
DATE: 6/23/03
DWG. NO. W846S001
REV 3

FACILITY SCHEDULE NO. 23

1. Name: **LCRA Fort Lancaster Switchyard**

2. Location: The LCRA Fort Lancaster Switchyard and adjacent Fort Lancaster Substation are located near Fort Lancaster, Texas in Crockett County. The Point of Interconnection is at the point where the jumper conductors from the substation equipment physically contact the connectors on the conductors in the switchyard.

3. Delivery Voltage: 138 kV

4. Metered Voltage: 138 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 Fort Lancaster Substation including the 138/69kV autotransformer and associated equipment
- deadend structures that terminate all the 69kV transmission lines into the station
- the following transmission lines comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures:
  - Fort Lancaster to West Yates 69 kV transmission line
  - Fort Lancaster to Illinois #4 69 kV transmission line
- a four-wire Remote Terminal Unit (RTU) communication circuit from the station to the AEP control center

LCRA owns the following facilities:

- the LCRA Fort Lancaster Switchyard including the 138kV ring bus and associated equipment
- fiber facility entries including patch panel for the optical ground wire (OPGW) facilities inside the LCRA Fort Lancaster Switchyard control house
- the RTU
- transmission line relay protection panels and all associated equipment for the LCRA transmission lines
- deadend structures that terminate all the 138kV transmission lines into the station

- the easements, conductors, shield wires, insulators, connecting hardware, and structures of the following 138 kV transmission lines:
  - LCRA Fort Lancaster Switchyard to LCRA Mesa View Switchyard including OPGW
  - LCRA Fort Lancaster Switchyard to Friend Ranch Substation including OPGW

8. Facility Operation and Maintenance Responsibilities of the Parties:

AEP controls and operates all the facilities it owns that are provided for in this Facility Schedule.

AEP coordinates, directs, and performs all control center and field operation activities on the switchyard facilities and transmission lines owned by 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.

9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.

10. Other Terms and Conditions:

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.

AEP's SCADA will poll the RTU installed at 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.

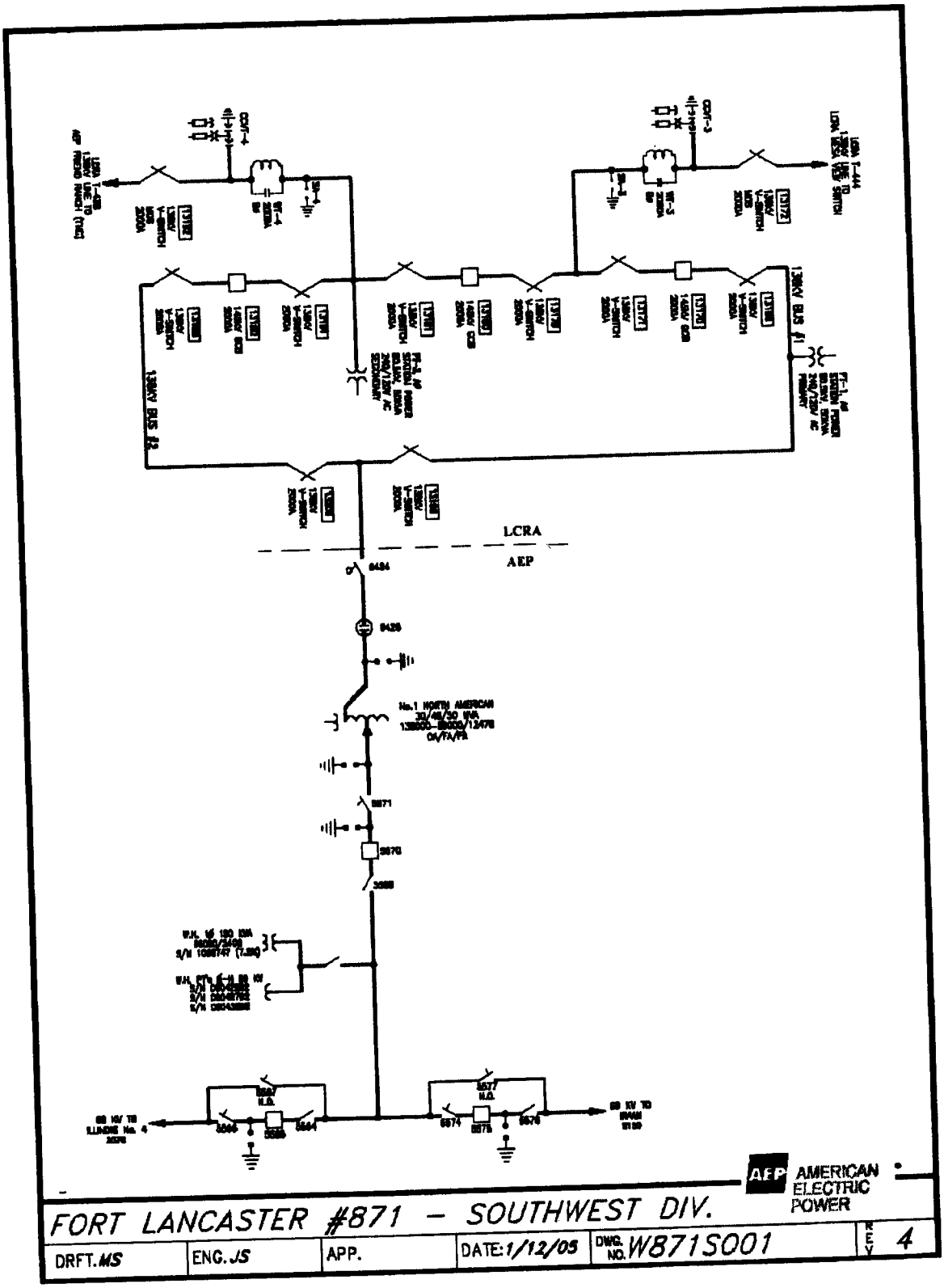
LCRA will assign AEP rights and access, upon request and availability, to the following OPGW related facilities inside the LCRA control house to use in operating the AEP electric transmission system:

- facility entry fibers 19 thru 24 which may not be sublet or reassigned to 3rd party customers
- patch panel rack space for AEP communications equipment
- one 125VDC/200W power supply

- one 120VAC/15A power supply

LCRA shall maintain and repair its OPGW fiber network for failures of individual OPGW segment failures. If a catastrophic fiber network failure occurs over multiple segments due to aging, manufacture defects, or other unexpected reasons it shall be LCRA's option to discontinue the assignment of fibers 19-24 to AEP.

AEP will provide LCRA with DS0 circuits on its T1 multiplexer network fibers if capacity exists when requested. AEP will charge LCRA installation charges but no monthly fee.


LCRA
AEP
AMERICAN ELECTRIC POWER
FORT LANCASTER #871 – SOUTHWEST DIV.
DRFT. MS
ENG. JS
APP.
DATE: 1/12/05
DWG. NO. W871S001
REV 4

FACILITY SCHEDULE NO. 24

1. Name: **Friend Ranch**

2. Location: The Friend Ranch Substation is near Ozona, Texas in Crockett County. The Point of Interconnection is at the termination of the 138 kV transmission line from the LCRA Fort Lancaster Switchyard 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. Metered Voltage: 138 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 Friend Ranch Substation and all facilities within it, except for those facilities identified below as owned by LCRA
- the Remote Terminal Unit (RTU)
- transmission line relay protection panel and all associated equipment for the LCRA transmission line
- deadend structures that terminate all transmission lines into the substation
- jumper conductors from the substation to the Point of Interconnection
- the easements, conductors, shield wires, insulators, connecting hardware, and structures of the following transmission lines:
  - Friend Ranch to Big Lake 69 kV transmission line
  - Friend Ranch to Ozona 69 kV transmission line
  - Friend Ranch to Sonora 138 kV transmission line
- a four-wire RTU communication circuit from the station to the AEP control center
- fiber facility entries including patch panel for the optical ground wire (OPGW) facilities inside the Friend Ranch control house

LCRA owns the following facilities:

- fiber facility entries including patch panel for the optical ground wire (OPGW) facilities inside the Friend Ranch control house

- Friend Ranch to LCRA Fort Lancaster Switchyard 138 kV transmission line comprised of easements, conductors, shield wires, insulators, connecting hardware, structures and OPGW.

8. Facility Operation and Maintenance Responsibilities of the Parties:

AEP controls and operates all the facilities it owns that are provided for in this Facility Schedule.

AEP coordinates, directs, and performs all control center and field operation activities on the transmission lines owned by 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.

9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.

10. Other Terms and Conditions:

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.

AEP's SCADA will poll the RTU installed at 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.

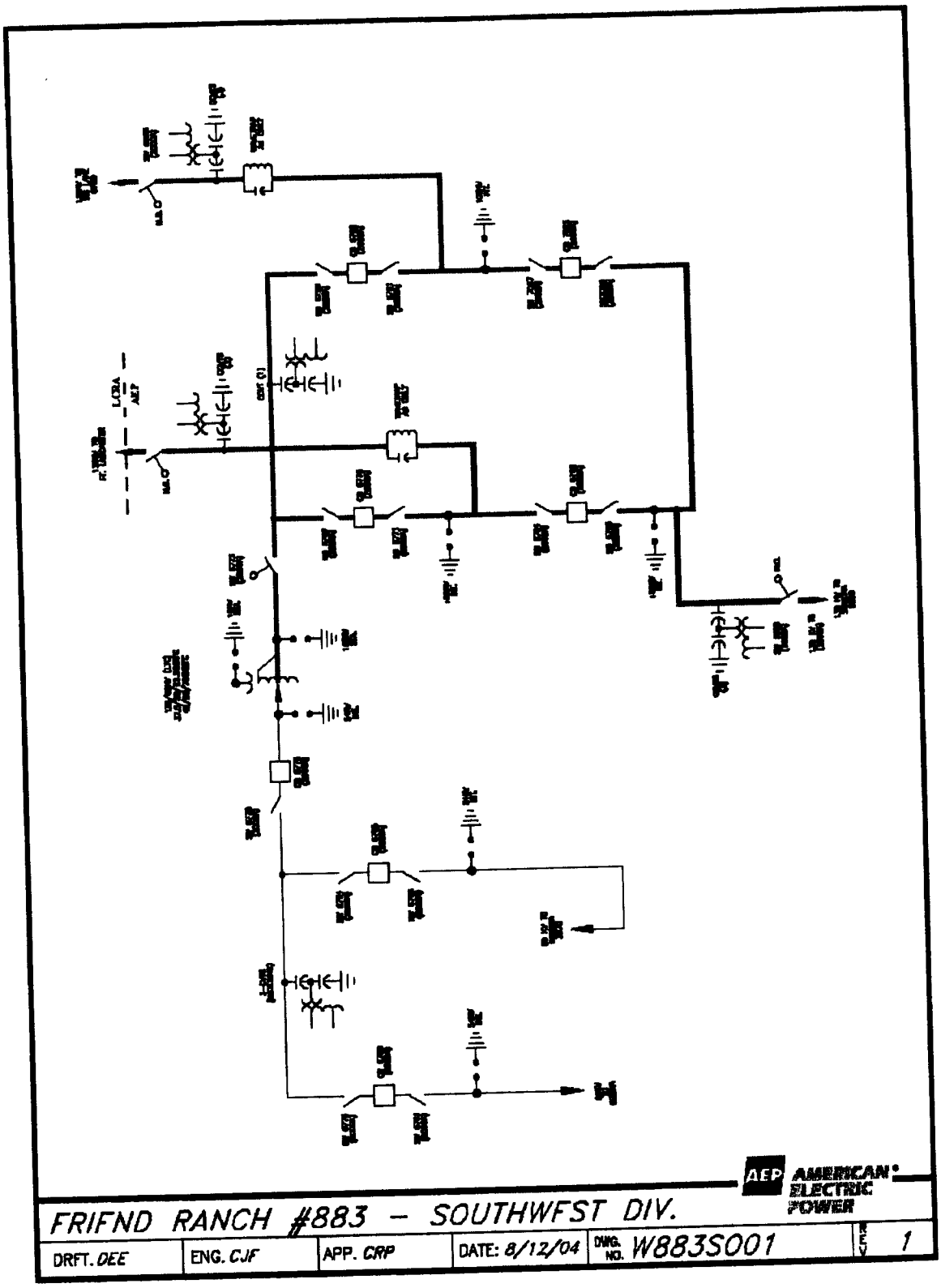
LCRA will assign AEP rights to fibers 19-24 of the OPGW to use in operating the AEP electric transmission system. The fibers may not be sublet or reassigned to 3rd party customers.

LCRA shall maintain and repair the OPGW fiber network for failures of individual OPGW segment failures. If a catastrophic fiber network failure occurs over multiple segments due to aging, manufacture defects, or other unexpected reasons it shall be LCRA's option to discontinue the assignment of fibers 19-24 to AEP.

AEP will assign LCRA rights and access, upon request and availability, to the following OPGW related facilities inside the AEP control house:

- facility entry fibers 1 thru 18
- patch panel rack space for LCRA communications equipment
- one 125VDC/200W power supply
- one 120VAC/15A power supply

AEP will provide LCRA with DS0 circuits on its T1 multiplexer network fibers if capacity exists when requested. AEP will charge LCRA installation charges but no monthly fee.


AEP AMERICAN ELECTRIC POWER
FRIFND RANCH #883 – SOUTHWFST DIV.
DRFT. DEE
ENG. CJF
APP. CRP
DATE: 8/12/04
DWG. NO. W883S001
REV 1

FACILITY SCHEDULE NO. 25

1. Name: **Santa Anna**

2. Location: The Santa Anna Substation is located in the City of Santa Anna, in Coleman County, Texas. The Point of Interconnection is at the termination of the 138 kV transmission line from TXU's Brownwood 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. Metered Voltage: 138 kV

5. Normal Operation of Interconnection: Closed

6. One-Line Diagram Attached: No

7. Facility Ownership Responsibilities of the Parties:

AEP owns the following facilities:

- the Santa Anna Substation and all facilities within it
- the Remote Terminal Unit (RTU)
- transmission line relay protection panel and all associated equipment for the LCRA transmission line
- deadend structures that terminate all transmission lines into the station
- jumper conductors from the substation to the Point of Interconnection
- easements, conductors, shield wires, insulators, connecting hardware, and structures of the following transmission lines:
  - Santa Anna to Ballinger 69 kV transmission line
  - Santa Anna to Cross Plains 69 kV transmission line
  - Santa Anna to Ballinger 138 kV transmission line
- any easements and underbuilt distribution circuits on the Santa Anna to Brownwood 138 kV transmission line
- a four-wire RTU communication circuit from the station to the AEP control center

LCRA owns the following facilities:

- Santa Anna to Brownwood 138 kV transmission line comprised of easements, conductors, shield wires, insulators, connecting hardware, and structures

8. Facility Operation and Maintenance Responsibilities of the Parties:

AEP controls and operates all the facilities it owns that are provided for in this Facility Schedule.

AEP coordinates, directs, and performs all control center and field operation activities on the transmission lines owned by 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.

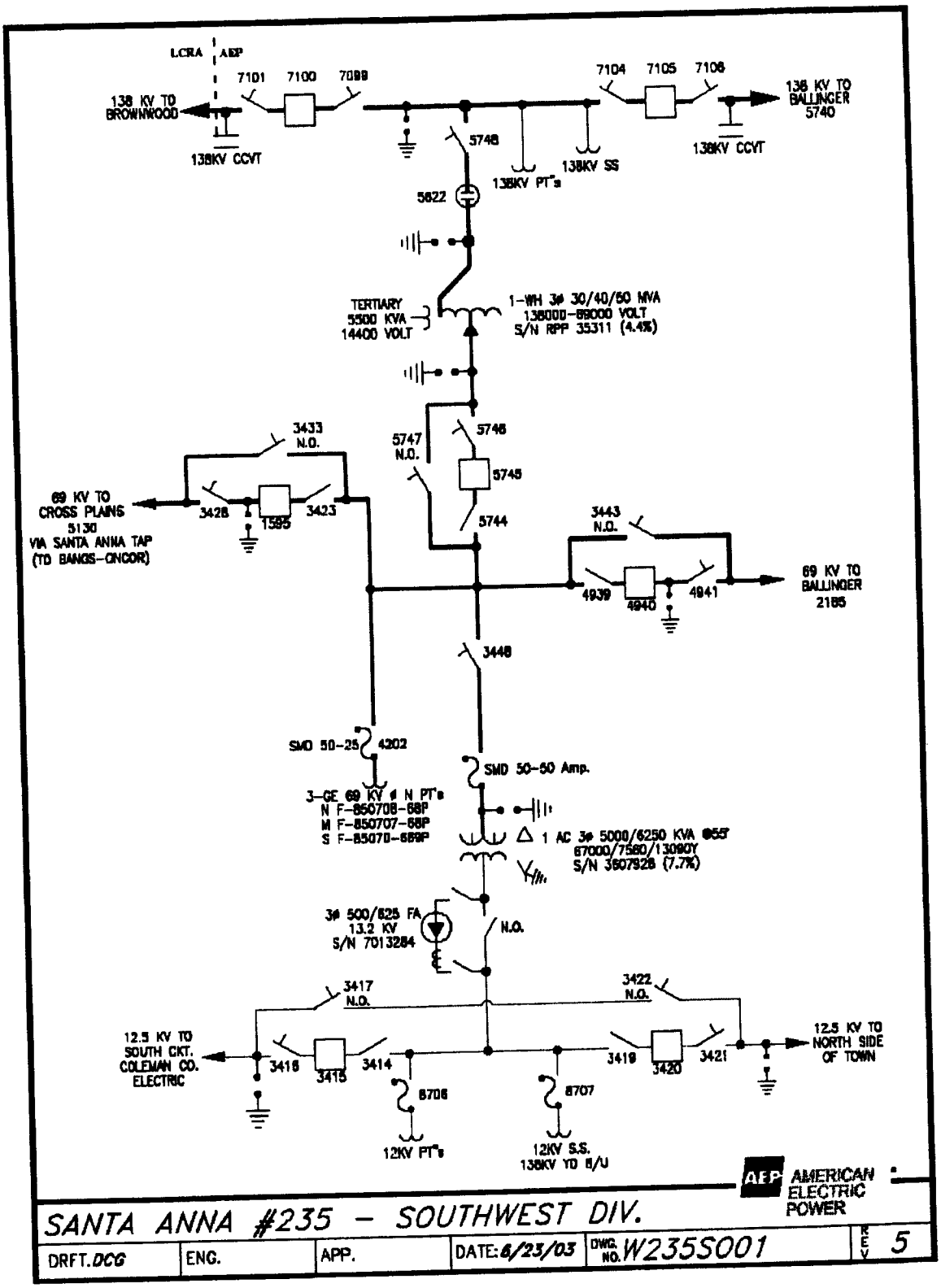
9. Cost Responsibilities of the Parties:

Each Party will be fully responsible for the costs and liabilities related to the facilities it owns.

10. Other Terms and Conditions:

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.

AEP's SCADA will poll the RTU installed at 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.


LCRA
AEP
7101
7100
7099
7104
7105
7106
138 KV TO BROWNWOOD
138KV CCVT
138 KV TO BALLINGER 5740
138KV CCVT
5746
138KV PT's
138KV SS
5622
TERTIARY 5300 KVA 14400 VOLT
1-WH 3φ 30/40/60 MVA 138000-69000 VOLT S/N RPP 35311 (4.4%)
3433 N.O.
5747 N.O.
5746
5745
5744
69 KV TO CROSS PLAINS 5130 VIA SANTA ANNA TAP (TO BANGS-ONCOR)
3428
1595
3423
3443 N.O.
4939
4940
4941
69 KV TO BALLINGER 2185
3448
SMD 50-25
4202
SMD 50-50 Amp.
3-GE 69 KV φ N PT's
N F-850708-68P
M F-850707-68P
S F-850706-68P
Δ 1 AC 3φ 5000/6250 KVA @55°
67000/7560/13090Y
S/N 3607928 (7.7%)
3φ 500/625 FA
13.2 KV
S/N 7013284
N.O.
3417 N.O.
3422 N.O.
12.5 KV TO SOUTH CKT. COLEMAN CO. ELECTRIC
3416
3415
3414
3419
3420
3421
12.5 KV TO NORTH SIDE OF TOWN
8706
8707
12KV PT's
12KV S.S. 138KV YD B/U
AEP AMERICAN ELECTRIC POWER
SANTA ANNA #235 - SOUTHWEST DIV.
DRFT. DCG
ENG.
APP.
DATE: 6/23/03
DWG. NO. W235S001
REV 5