



BEFORE THE ARIZONA CORPORATION COMMISSION

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COMMISSIONERS

JEFF HATCH-MILLER, Chairman
WILLIAM A. MUNDELL
MARC SPITZER
MIKE GLEASON
KRISTIN K. MAYES

Arizona Corporation Commission

DOCKETED

AUG 25 2005

DOCKETED BY

IN THE MATTER OF THE APPLICATION OF SALT RIVER PROJECT AGRICULTURAL IMPROVEMENT AND POWER DISTRICT ON BEHALF OF ITSELF AND ARIZONA PUBLIC SERVICE COMPANY, SANTA CRUZ WATER AND POWER DISTRICTS ASSOCIATION, SOUTHWEST TRANSMISSION COOPERATIVE, INC. AND TUCSON ELECTRIC POWER IN CONFORMANCE WITH THE REQUIREMENTS OF ARIZONA REVISED STATUTES SECTION 40-360, et. seq., FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AUTHORIZING CONSTRUCTION OF THE PINAL WEST TO SOUTHEAST VALLEY/BROWNING PROJECT INCLUDING THE CONSTRUCTION OF TRANSMISSION LINES FROM PINAL WEST TO THE BROWNING SUBSTATION AND OTHER INTERCONNECTION COMPONENTS IN PINAL AND MARICOPA COUNTIES, ARIZONA.

Docket No. L-00000B-04-0126

Case No. 126

DECISION NO. 68093

The Arizona Corporation Commission ("Commission") has conducted its review, pursuant to A.R.S. § 40-360.07. The Commission finds and concludes that the Certificate of Environmental Compatibility ("CEC") issued by the Arizona Power Plant and Transmission Line Siting Committee ("Committee") is hereby granted as modified and amended by this Order. The Commission notes that the list of public hearing dates contained in the CEC inadvertently omitted mention that public hearings were held on April 8, 2005

The Commission modifies the CEC by: (1) granting approval to construct along a modified route, described herein by deletion and insertion, and deleting Exhibit A and replacing it with new

1 Exhibit A; (2) deleting Exhibit B page 2 of 3 and replacing it with a new Exhibit B page 2 of 3; (3)
2 deleting conditions 8, 13, 24, and 25 and substituting new conditions 8, 13, 24, and 25; and (4) adding
3 additional conditions 28, 29, and 30, all as follows:

4 **Amended alignment:**

5 **Delete the following language (found on page 8, line 18):**

6 The alignment turns north within a 1000-foot corridor paralleling Valley Farms Road to an
7 existing Western 115 kV transmission line (N185-N175, 12.9 miles) in Section 8 or Section 9,
8 Township 5 South, Range 9 East. The alignment turns west paralleling the existing Western 115 kV
9 transmission line to Christiansen Road with a 0.5 mile corridor on either side of the alignment
10 centerline on the existing Western 115 kV Transmission Line (N175-N174, 4.0 miles). The
11 alignment then turns north along Christiansen Road between Section 10 and Section 11, Township 5
12 South, Range 8 East until it intersects with the UPRR in Section 22, Section 23, Section 26 or Section
13 27, Township 4 South, Range 8 East, with a 0.5 mile corridor on either side of the alignment
14 centerline of Christiansen Road. The alignment continues north, following the UPRR until it
15 converges with the Magma Railroad in Section 26 or Section 35, Township 3 South, Range 8 East,
16 with a 0.5 mile corridor on either side of the alignment centerline of the UPRR. (N174-N188-N166-
17 N119-N120-N45, 8.7 miles). The alignment then extends northeast, paralleling the Magma Railroad
18 to the site of the proposed Southeast Valley (SEV) Substation. This segment would also have a 0.5
19 mile corridor on either side of the alignment centerline of the Magma Railroad (N45-N44, 2.4 miles).

20 **Substitute the following language for the deleted language:**

21 The alignment turns north paralleling Valley Farms Road within a 1000-foot corridor until it
22 intersects the Union Pacific Railroad ("UPRR") (N185-N175-N169-N81). The alignment continues
23 northwest, parallel to the UPRR within a 0.5 mile corridor on each side of the alignment centerline of
24 the UPRR, until it converges with the Magma Railroad (N81-N45). It then extends northeast,
25 paralleling the Magma Railroad within a 1000-foot-wide corridor, to the proposed SEV/SRP RS-22
26 Substation (N45-N44).

1 **Delete the following language (found on page 10):**

2 The approved substation configurations are as shown in Applicant's Exhibits G-9, G-10, G-
3 11, G-12, G-14, and G-15 in the Application, and are attached to this Certificate as Exhibit C.

4 **Substitute the following language for the deleted language:**

5 The approved substation configurations are as shown in Applicant's Exhibits G-9, G-10, G-
6 11, G-12, G-14, and G-15 in the Application. Applicant's Exhibit G-1 and G-2 provide
7 representations of typical structures associated with the Project. Applicant's Exhibits G-1, G-2, G-9,
8 G-10, G-11, G-12, G-14, and G-15 are attached to this Certificate as Exhibit C.

9 **Delete Exhibit A, Substitute new Exhibit A.**

10 **The Commission modifies the CEC by deleting CEC conditions 8, 13, 24, and 25 and**
11 **substituting new Conditions 8, 13, 24, and 25 as follows:**

12 8. Should an archaeological, paleontological, or historic site or object be discovered on
13 state, county or municipal land during plan-related activities, the person in charge is required to notify
14 promptly the Director of the Arizona State Museum and take reasonable steps to secure and maintain
15 the resource's preservation pursuant to state law (*i.e.*, A.R.S. § 41-844). If human remains and/or
16 funerary objects are encountered on private land during the course of any ground disturbing activities
17 relating to the development of the subject property, Applicant shall cease work on the affected area of
18 the Project and notify the Director of the Arizona State Museum in accordance with A.R.S. § 41-865.

19 13. Within 120 days of the effective date of the Commission's decision regarding the
20 Certificate, the Applicant shall erect and maintain signs throughout the entire approved Certificate
21 corridor providing public notice that the property is the possible site of a future transmission line or
22 substation. Applicant shall place signs in prominent locations at reasonable intervals such that the
23 public is notified along the full length of the transmission line. The signs shall advise: a.) the site has
24 been approved for the construction of Project facilities including 500 kV lines, 230 kV lines and
25 substations, as applicable; b.) the expected date of completion of the Project facilities; and c.) a phone
26 number for information regarding the Project.

27 24. Applicant shall provide copies by certified mail of this Certificate to appropriate city
28 and county planning agencies, to the county board of supervisors, mayor and town council of

1 appropriate cities, the Arizona Department of Real Estate, the Attorney General's Office, SHPO,
2 AGFD and ASLD.

3 25. Prior to the date this transmission line is put into commercial service, the Applicant
4 shall provide homebuilders and developers within one mile of the center line of the certificated route
5 the identity, location, and a pictorial depiction of the type of power line being constructed,
6 accompanied by a written description, and encourage the developers and homebuilders to include this
7 information in the developers' and homebuilders' homeowners' disclosure statement.

8 **The Commission modifies the CEC by adding new conditions 28, 29, and 30 as follows:**

9 28. Applicant shall work in good faith with homeowners, homeowners associations and
10 potential developers to avoid existing and future homes along the approved route.

11 29. Within three (3) years of the effective date of the Commission's decision for the
12 Project, the Applicant shall determine a tentative center line for the transmission line and location of
13 the substations and shall erect and maintain signs providing public notice that the property is the site
14 of a future transmission line or substation. Applicant shall place signs in prominent locations at
15 reasonable intervals such that the public is notified along the full length of the transmission line. The
16 signs shall advise: a.) the site has been approved for the construction of Project facilities including
17 500 kV lines, 230 kV lines and substations, as applicable; b.) the expected date of completion of the
18 Project facilities; and c.) a phone number for public information regarding the Project.

19 30. Within 90 days of securing all or any portion of the easement for the transmission line,
20 the Applicant shall record such easement with either the Pinal County Recorder's Office or the
21 Maricopa County Recorder's Office, as appropriate.

22 **In addition, the Commission makes the following Findings of Fact:**

23 1. The route approved by this Order from the Santa Rosa Substation to the proposed
24 Pinal South Substation through the southern edge of the City of Casa Grande does not alleviate the
25 need for additional facilities to the northern part of Casa Grande. Continued growth will necessitate
26 the siting and construction of additional transmission lines and substations to serve that area.
27 Because of the lack of adequate utility corridors in the City of Casa Grande's General Plan, the
28

1 Project Participants shall pursue good faith efforts with the City of Casa Grande to establish utility
2 corridors to address future transmission concerns.

3 2. The route approved by this Order does not alleviate the need for additional facilities to
4 serve the Town of Florence. The siting and construction of additional transmission lines and
5 substations will be required to provide service to that area. Because of the lack of adequate utility
6 corridors in the Town of Florence's General Plan, the Project Participants shall pursue good faith
7 efforts with the Town of Florence to establish utility corridors to address future transmission
8 concerns.

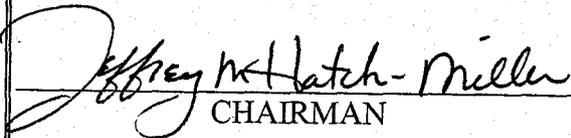
9 3. Additional facilities will likely be needed to connect the Desert Basin and Sundance
10 power plants to the grid. The Project Participants shall pursue good faith efforts with the Cities of
11 Casa Grande and Coolidge and the Town of Florence to establish utility corridors to address future
12 transmission concerns.

13 **The Commission further finds and concludes that:**

14 (1) the Project is in the public interest because it aids the state in meeting the need for an
15 adequate, economical and reliable supply of electric power; (2) in balancing the need for the Project
16 with its effect on the environment and ecology of the state, the conditions placed on the CEC by the
17 Committee and as modified by the Commission effectively minimize its impact on the environment
18 and ecology of the state; (3) the conditions placed on the CEC by the Committee and as modified by
19 the Commission resolve matters concerning the need for the Project and its impact on the
20 environment and ecology of the state raised during the course of proceedings, and as such, serve as
21 the findings of fact on the matters raised; and (4) in light of these conditions, the balancing in the
22 broad public interest results in favor of granting the CEC as modified by the Commission.

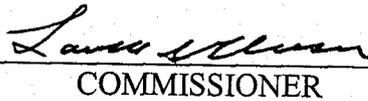
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1 THE CEC ISSUED BY THE SITING COMMITTEE IS
2 INCORPORATED HEREIN AND IS APPROVED AS MODIFIED BY ORDER OF THE
3 ARIZONA CORPORATION COMMISSION
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6 
7 CHAIRMAN

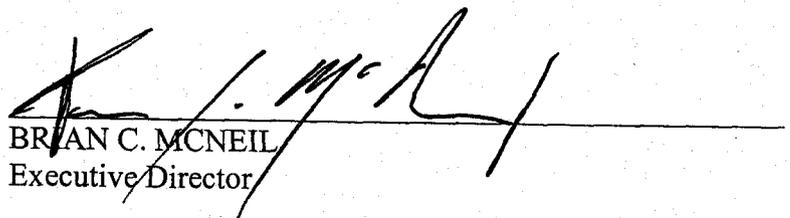

8 COMMISSIONER

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11 COMMISSIONER


12 COMMISSIONER


13 COMMISSIONER

14 IN WITNESS WHEREOF, I BRIAN C. MCNEIL, Executive
15 Director of the Arizona Corporation Commission, have
16 hereunto, set my hand and caused the official seal of this
17 Commission to be affixed at the Capitol, in the City of Phoenix,
18 this 25th day of August,
19 2005.


20 BRIAN C. MCNEIL
21 Executive Director

22 DISSENT: _____

23 DISSENT: _____

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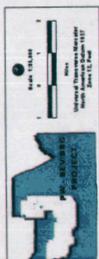
EXHIBIT A

EXHIBIT A

ARIZONA CORPORATION

COMMISSION

APPROVED ALIGNMENT



Legend

(Note (Regard Origin or Terminus)
—	Approved Alignment
▨	Proposed Substation Sits
▨	Existing Substation Interconnection
▨	Proposed / Future Substation Sits
▨	Study Area Boundary
▨	Existing 345 kV Transmission Line
▨	Existing 230 kV Transmission Line
▨	Existing 115 kV Transmission Line
▨	Qualified 500 kV Transmission Line Corridor - Case 124
▨	Existing Receiving Station
▨	Existing Generation Station with Receiving
▨	Existing Substation
▨	Pipeline
▨	Sanitar Pipeline
▨	Large Canal / Developed Drainage Feature
▨	Interstate
▨	Primary Road
▨	Roadway
▨	County Boundary
▨	Jurisdictional Land Ownership
▨	Bureau of Land Management Land
▨	State Land
▨	Indian Land
▨	Bureau of Reclamation Land
▨	Department of Children's Land

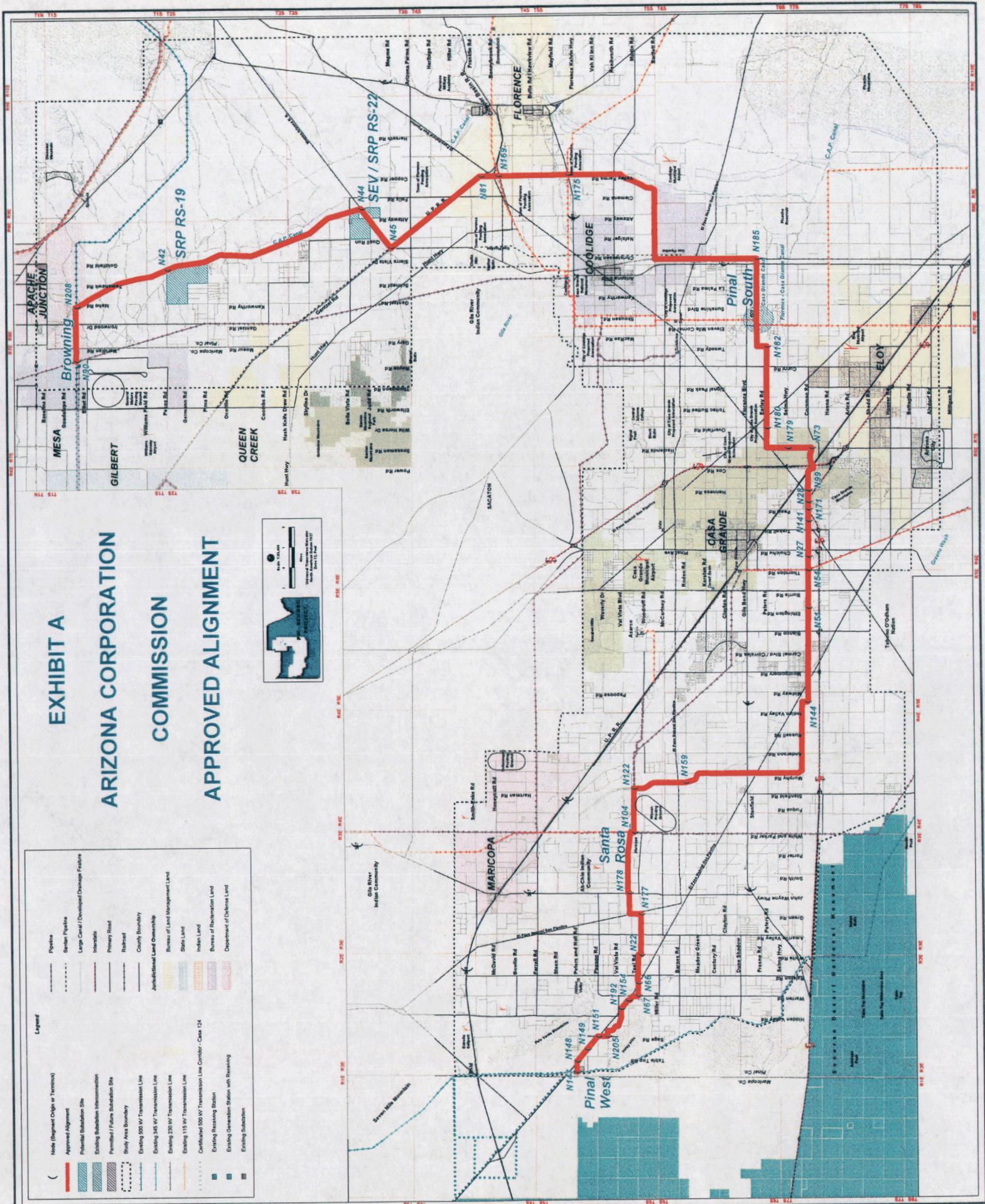


EXHIBIT B
Page 2 of 3

**Exhibit B - Approved Alignment
Corridor Width**
Pinal West to SEV/Browning
August 2005

Page 2 of 3

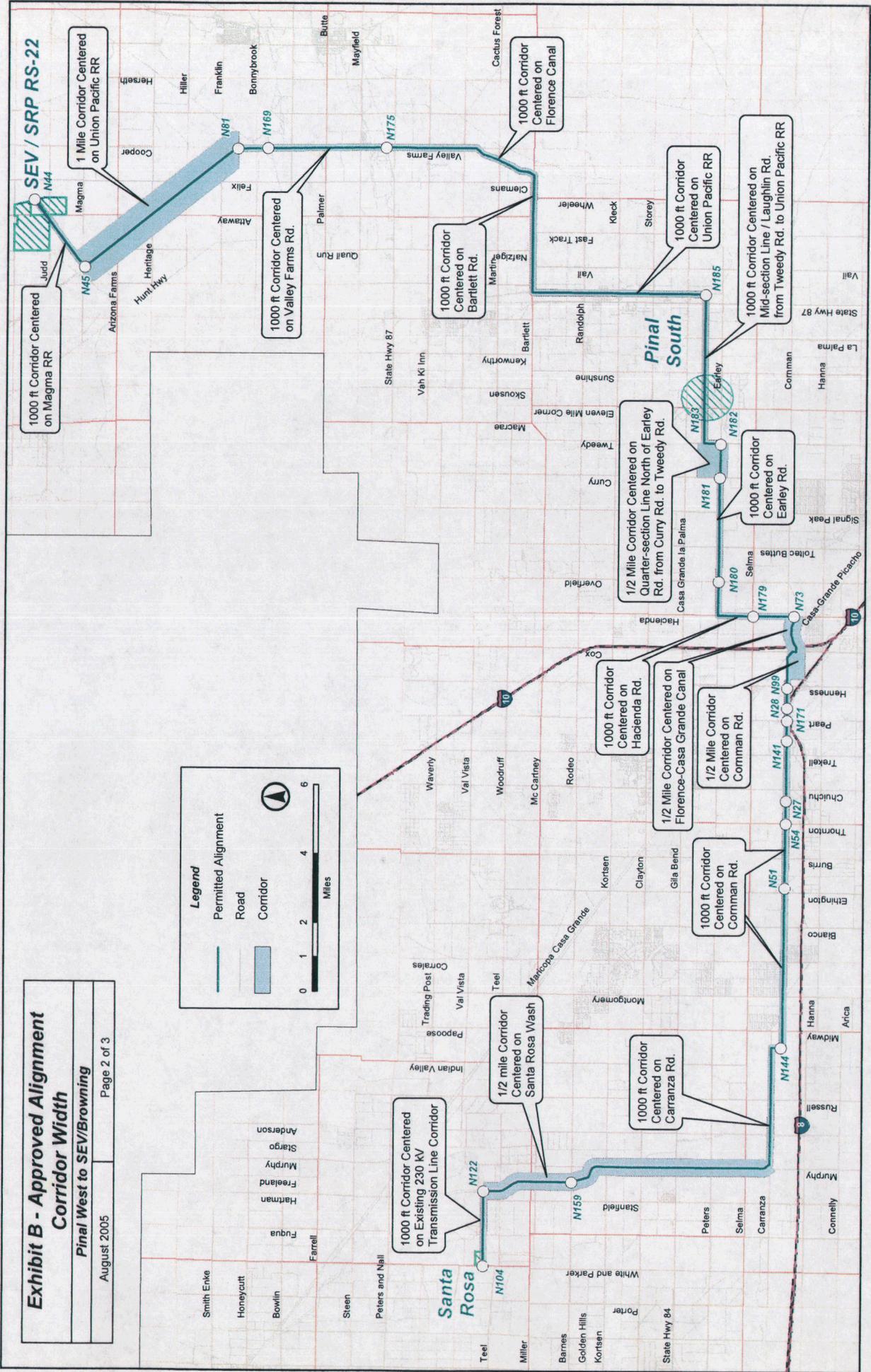
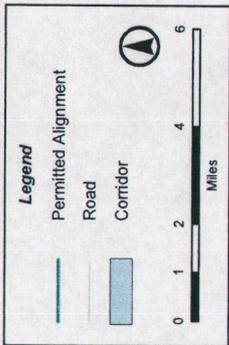
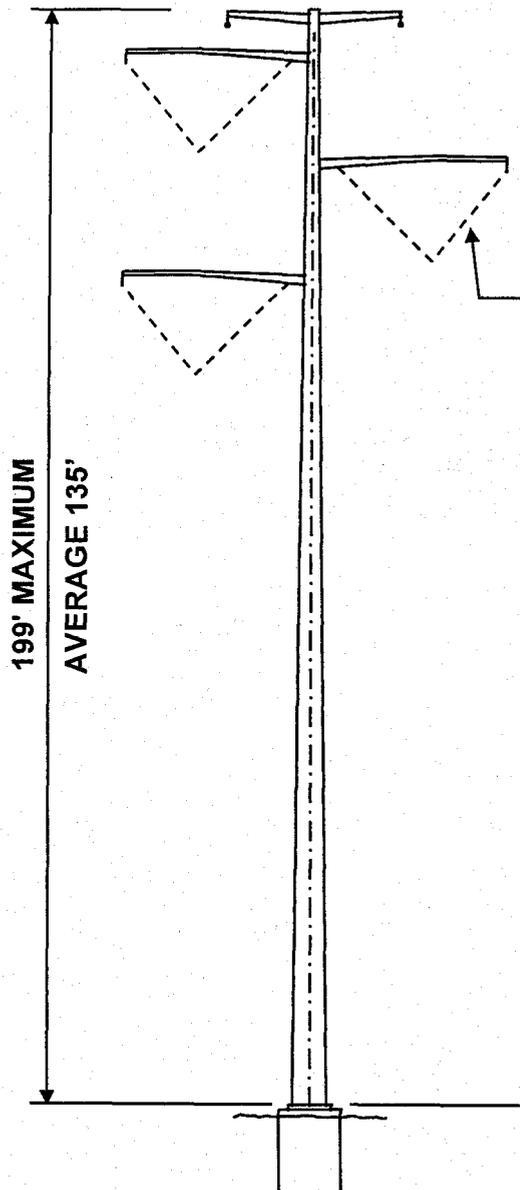
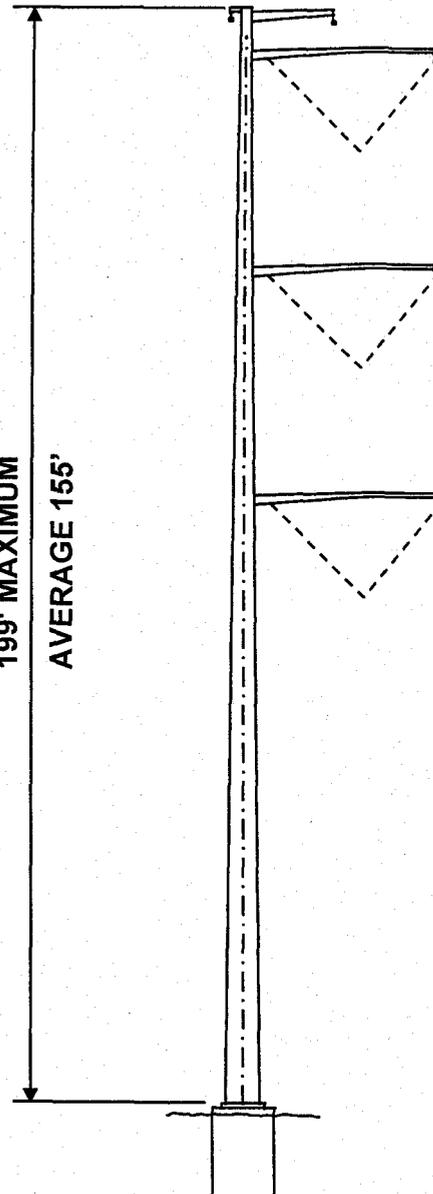


EXHIBIT C



DELTA

Alternate
config. of
mid arm.



VERTICAL

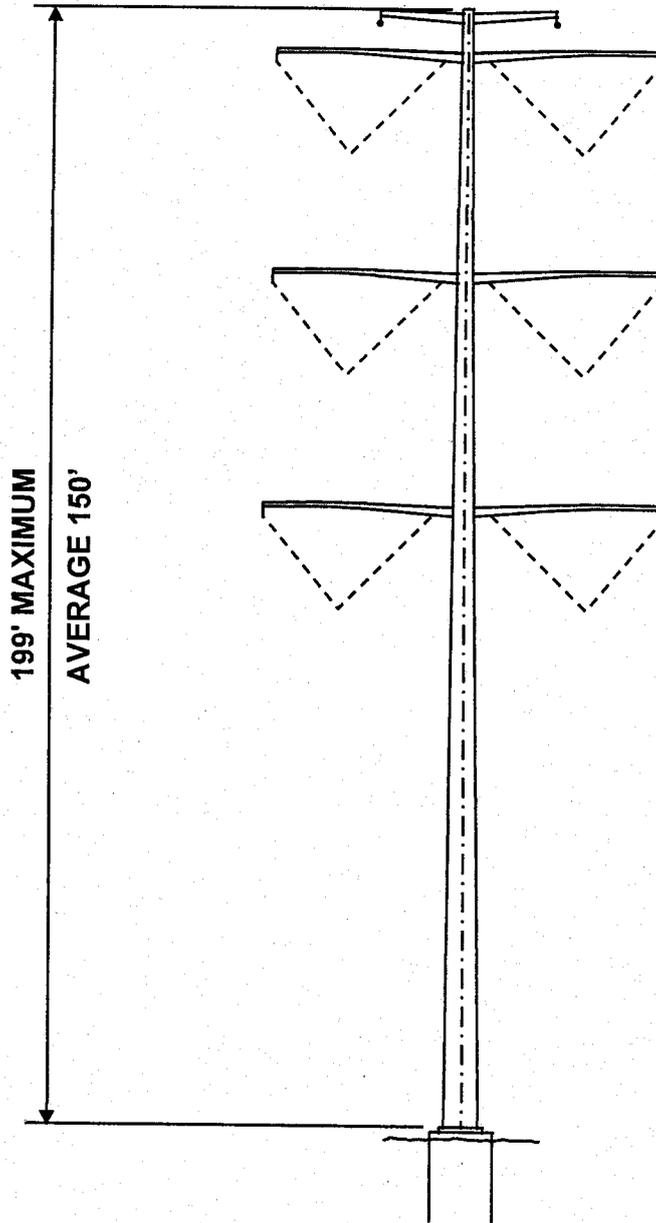
Insulator assemblies may consist of:
V-string, I-string, braced I-string,
horizontal vee, post, braced post,
etc. and in suspension or dead-end
application.

Certificate of Environmental Compatibility

**Exhibit G-1
Single Circuit Tubular Type Steel
Structures**

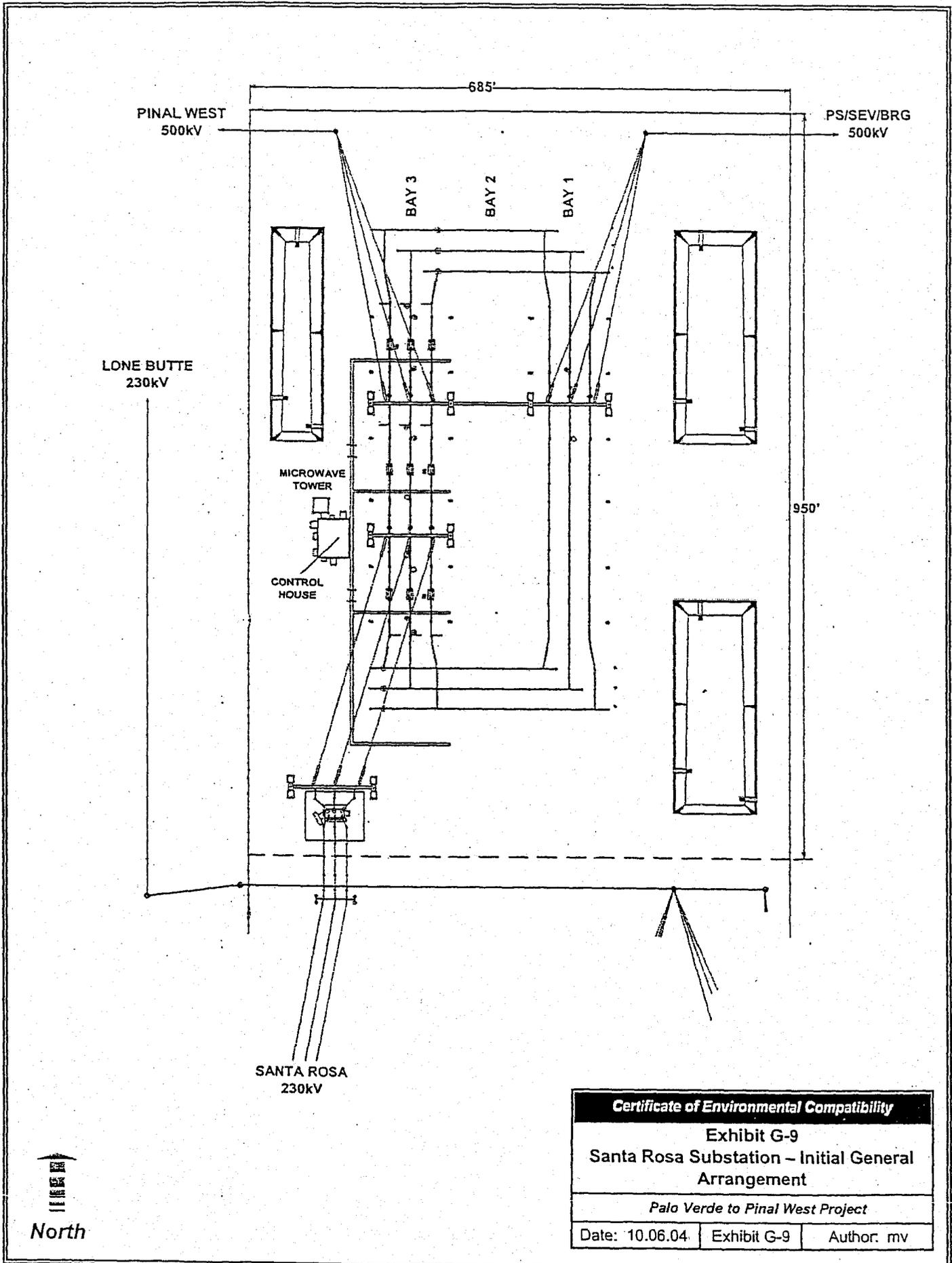
Pinal West to Southeast Valley/Browning Project

Date: 10.07.04 | Exhibit G-1 | Author: mv

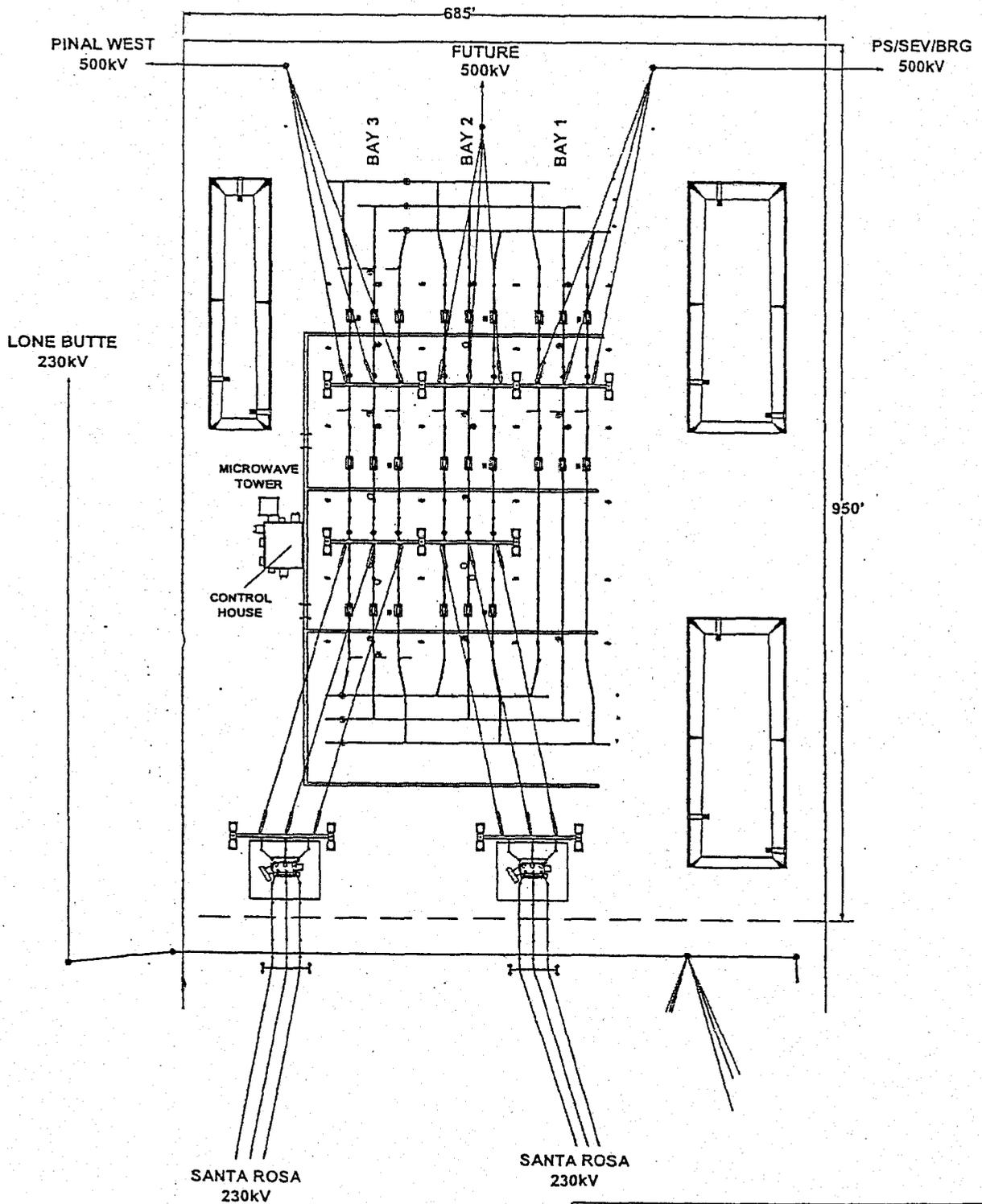


Insulator assemblies may consist of: V-string, I-string, braced I-string, horizontal vee, post, braced post, etc. and in suspension or dead-end application.

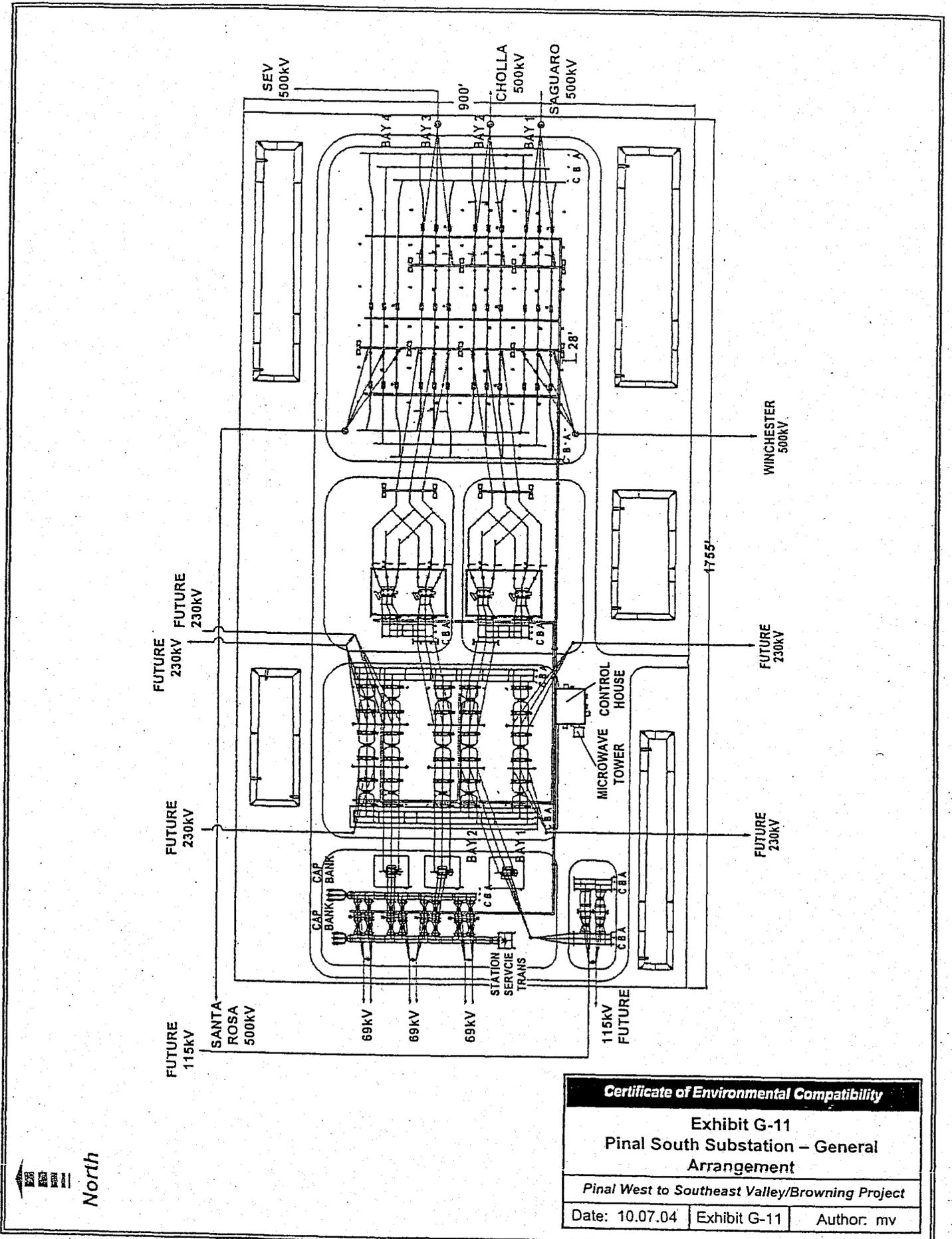
Certificate of Environmental Compatibility		
Exhibit G-2		
Double Circuit Tubular Type Steel Structure		
<i>Pinal West to Southeast Valley/Browning Project</i>		
Date: 10.07.04	Exhibit G-2	Author: mv



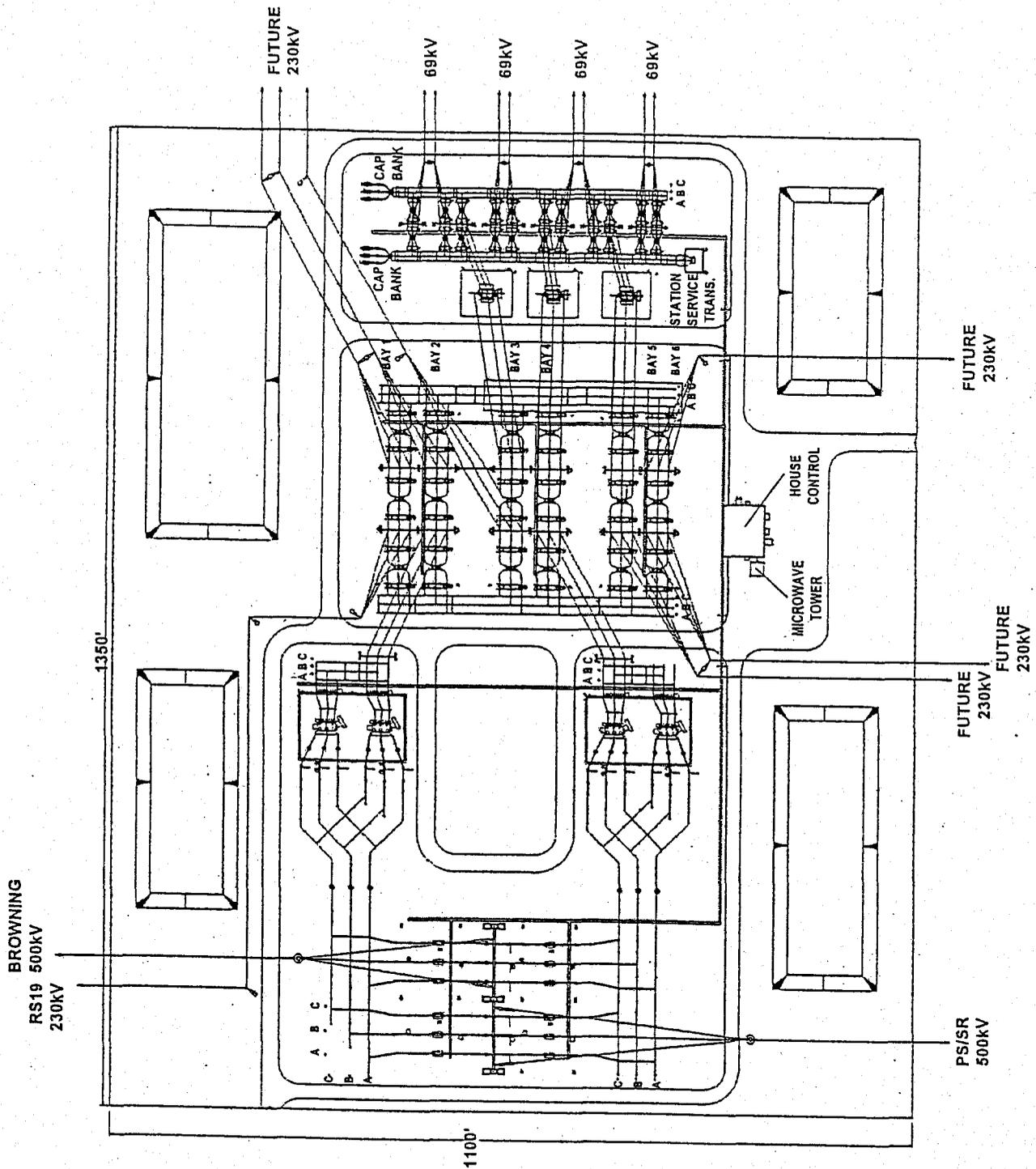
Certificate of Environmental Compatibility		
Exhibit G-9		
Santa Rosa Substation - Initial General Arrangement		
<i>Palo Verde to Pinal West Project</i>		
Date: 10.06.04	Exhibit G-9	Author: mv



Certificate of Environmental Compatibility		
Exhibit G-10		
Santa Rosa Substation – Ultimate General Arrangement		
<i>Pinal West to Southeast Valley/Browning Project</i>		
Date: 10.07.04	Exhibit G-10	Author: mv

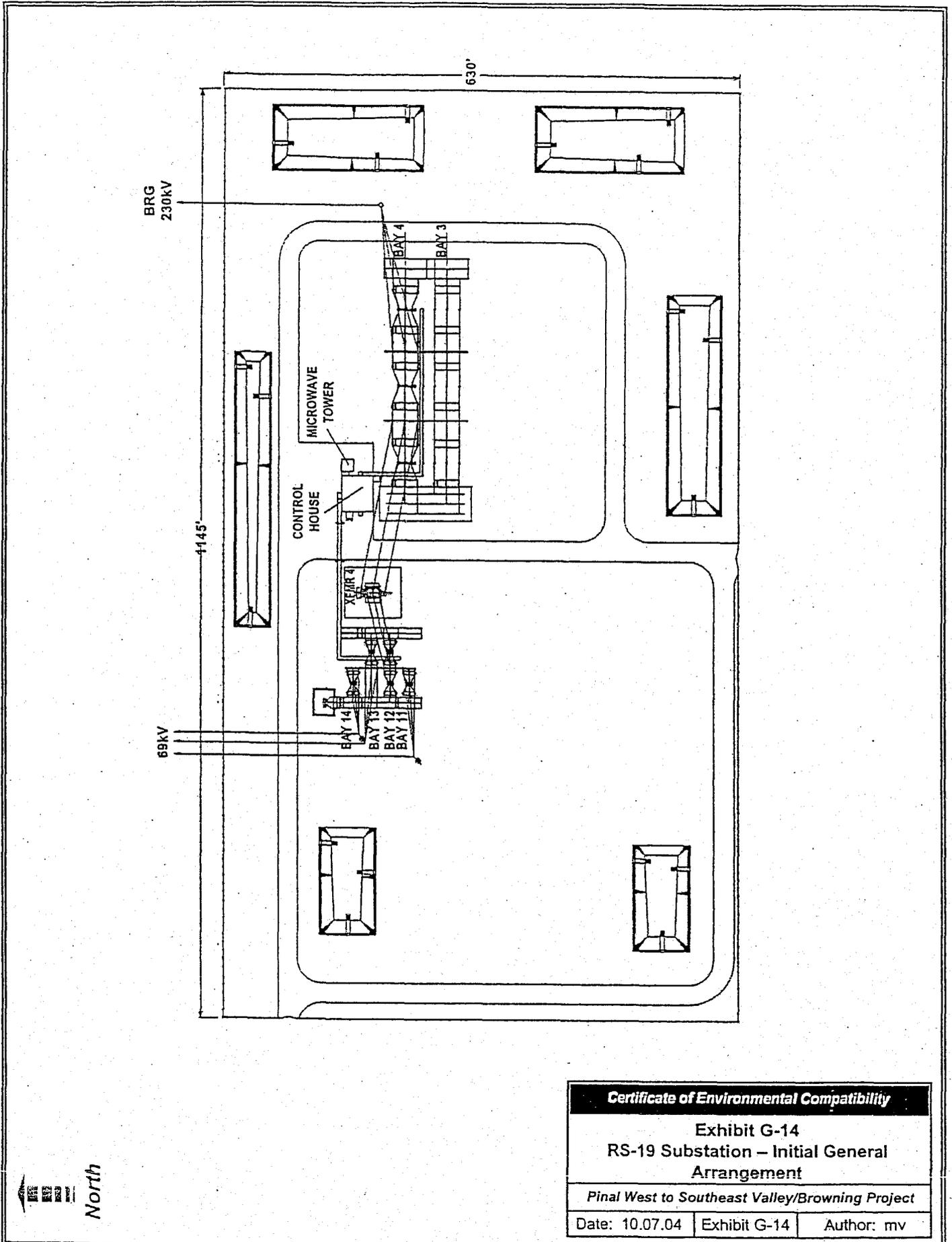


Certificate of Environmental Compatibility		
Exhibit G-11		
Pinal South Substation – General Arrangement		
Pinal West to Southeast Valley/Browning Project		
Date: 10.07.04	Exhibit G-11	Author: mv

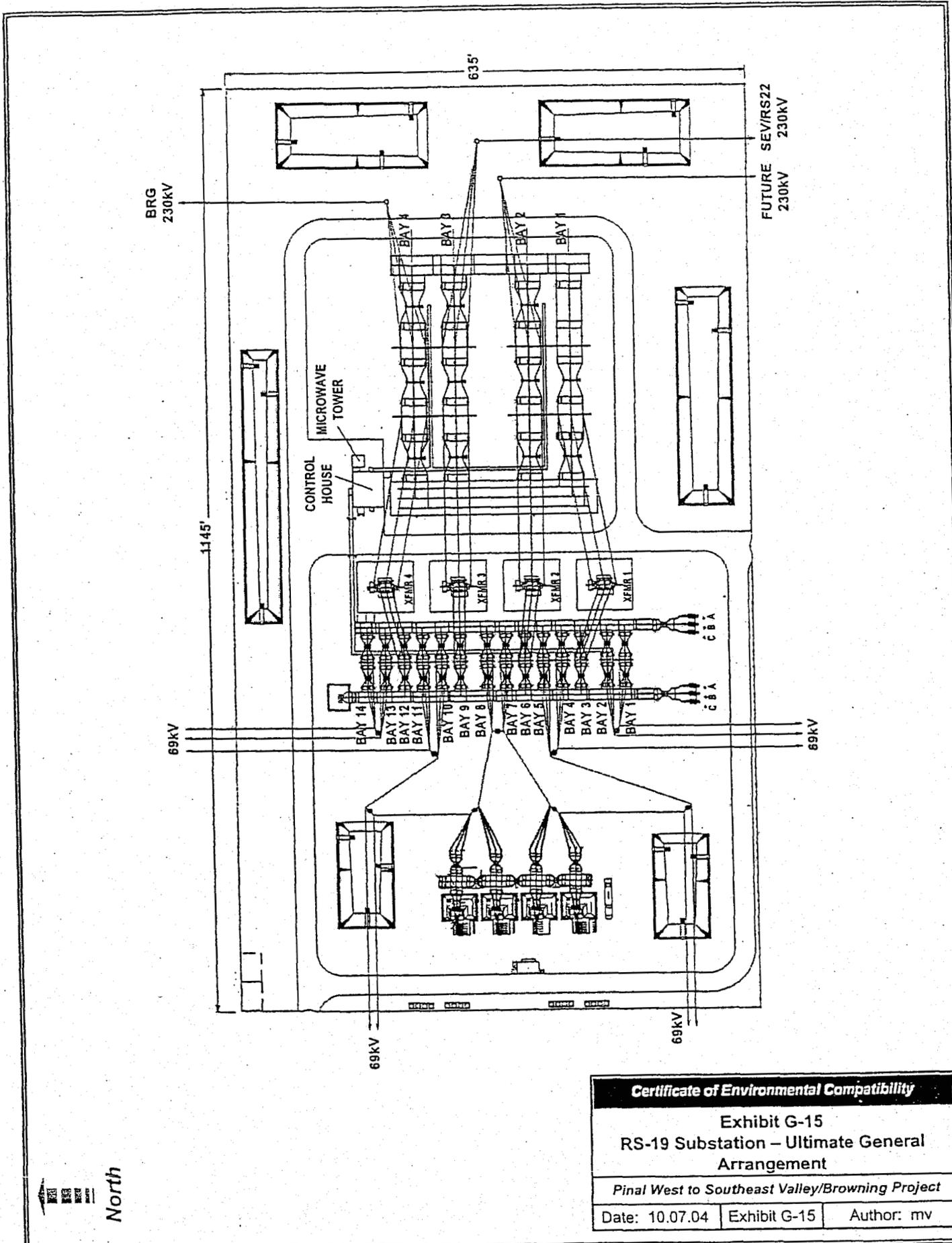


North

Certificate of Environmental Compatibility		
Exhibit G-12		
SEV Substation – Ultimate General Arrangement with Pinal South		
Pinal West to Southeast Valley/Browning Project		
Date: 10.07.04	Exhibit G-12	Author: mv



Certificate of Environmental Compatibility		
Exhibit G-14		
RS-19 Substation – Initial General Arrangement		
<i>Pinal West to Southeast Valley/Browning Project</i>		
Date: 10.07.04	Exhibit G-14	Author: mv



Certificate of Environmental Compatibility		
Exhibit G-15		
RS-19 Substation – Ultimate General Arrangement		
Pinal West to Southeast Valley/Browning Project		
Date: 10.07.04	Exhibit G-15	Author: mv

1 conducted on January 20, March 2 and March 29, 2005.

2 The following members and designees of members of the Committee were present
3 at one or more of the hearings for the evidentiary presentations, tours and/or for the
4 deliberations:

5	Laurie A. Woodall	Chairman, Designee for Arizona Attorney General, Terry Goddard
6		
7	Ray Williamson	Designee for Chairman, Arizona Corporation Commission
8		
9	Paul Rasmussen	Designee for Director, Arizona Department of Environmental Quality
10		
11	Mark McWhirter	Designee for Director, Energy Department, Arizona Department of Commerce
12		
13	Sandie Smith	Appointed Member
14	Jeff McGuire	Appointed Member
15	Margaret Trujillo	Appointed Member
16	A. Wayne Smith	Appointed Member
17	Michael Whalen	Appointed Member
18	Michael Palmer	Appointed Member

19 The Applicant was represented by Kenneth C. Sundlof of Jennings, Strouss &
20 Salmon, P.L.C. and Laura Raffaelli of Salt River Project Agricultural Improvement and
21 Power District. The following parties were granted intervention pursuant to A.R.S. § 40-
22 360.05:

<i>INTERVENING PARTY</i>	<i>REPRESENTED BY:</i>
Arizona Corporation Commission	Lisa Vandenberg, Diane Targovnik, Janice Alward and Keith Layton
Walter Meek	Pro Se
Miller Holdings, Inc.	John R. Dacey

1	City of Casa Grande	K. Scott McCoy
2	Del Mar Development The Knorr family	Roger K. Ferland and Michelle DeBlasi
3	Curry Road Group Mike Hastings San Tan Tillage Company David M. and Rebecca Daley Coolidge Investment Properties, L.L.C.	Roger K. Ferland and Michelle DeBlasi
6	Casa Grande Mountain Limited Partnership	Leonard M. Bell
7	Walker Butte 700, L.L.C. Walker Butte 300, L.L.C. Walker Butte Granite, L.L.C. Magic Lake 80, L.L.C. Skousen & Highway 87, L.L.C. Hunt & Hooper, L.L.C. Sonoran 382, L.L.C. MLC Farms, L.L.C. General Hunt Properties, Inc. Skousen, CR and Elaine TRS	Lawrence V. Robertson, Jr.
13	Save Our Valley Association (SOVA)	Lawrence V. Robertson, Jr. and David West
14	Westpac Development Corporation Robson Communities, Inc. Langley Properties, L.L.C. Vistoso Partners, L.L.C. Pulte Home Corporation, Inc. Jacob Roberts Gail Robertson Lonesome Valley Farms The Francisco Grande Hotel and Golf Resort (and surrounding property), owned and operated by FG Partners, L.L.P. The Mahaganapati Temple of Arizona Sun Valley Farms Unit 5 Homeowners Association, Inc. Karolyn Clough Wanda Wood Jean Stout Linda Beres Brenda Scott Jackie Guthrie	Court S. Rich

1	Aspen Farms, L.L.C. Dwayne Dobson	
2	Pivotal Sandia, L.L.C. First American Title Company, as Trustee of its Trust Nos. 8572, 8573 and 8574	Karrin Kunasek Taylor and William E. Lally
3	Wuertz Farming Limited Company, L.L.C.	
4	Sundance Farms Limited Partnership, L.L.P.	
5	McKinney Farming Company	
6	Sarah Wuertz	
7	Gregory Wuertz	
8	Carol Wuertz Behrens	
9	David Wuertz	
9	Trinity Baptist Church	Roger K. Ferland and Michelle DeBlasi
10	Meritage Homes Corporation	James J. Heiler
11	Town of Florence	James E. Mannato
12	Vanguard Properties, Inc.	Steven A. Hirsch and Rodney W. Ott
13	Road Runner Resorts, LLC	
14	CMR Casa Grande, LLC	
15	Florence Copper, Inc.	

14 At the conclusion of the hearings, the Committee, having received the Application,
15 the appearances of the parties, the evidence, testimony and exhibits presented at the
16 hearings, and being advised of the legal requirements of A.R.S. §§ 40-360 to 40-360.13,
17 upon motion duly made and seconded, voted to grant the Applicant a Certificate (Case
18 No. 126) for authority to construct the following facilities as requested and described in
19 the Application and modified by the conditions herein: a transmission line beginning at
20 the recently permitted Pinal West Substation (Case No. 124) and ending at the existing
21 Browning Substation, along with related substations, as described below (the "Project").

22 The transmission line alignments and substation locations are depicted on Exhibit
23 A to this Certificate and are described as follows ("N" references are to the node numbers
24 depicted on Exhibit A)

25 The alignment approved consists of a 1000-foot corridor, 500 feet on each side of
26

-1 the center line of the roadways and linear features (canals, railroads, pipelines and
2 washes) described herein, except where specifically noted. The Applicant is granted a
3 half-mile corridor in those segments specifically described herein and depicted in the
4 attached Exhibit B.

5 *Pinal West to Santa Rosa*

6 Applicant is granted authority to construct a single circuit 500 kV transmission
7 line on the following alignment. Originating at the Pinal West Substation site located in
8 Section 18, Township 5S, Range 2E near the Maricopa and Pinal County line, the
9 alignment extends east, parallel to Amigos Road within a 1000-foot corridor until it
10 intersects with the El Paso Natural Gas ("EPNG") pipeline corridor (N147-N148, 0.5
11 mile) in Section 18, Township 5 South, Range 2 East. The alignment continues within a
12 1000-foot corridor southeast along the EPNG corridor until it intersects with Sage Road
13 (N148-N149-N151, 1.6 miles) between Section 20 and Section 21, Township 5 South,
14 Range 2 East. The alignment then parallels Sage Road within a 1000-foot corridor south
15 to Mayer Boulevard (N151-N205, 0.5 mile). The alignment turns east within a 1000-foot
16 corridor along Mayer Boulevard to Harvest Hills Trail in Section 21, Township 5 South,
17 Range 2 East, then parallels Harvest Hills Trail until it converges with the EPNG corridor
18 (N205-N192, 1.8 miles) in Section 27, Township 5 South, Range 2 East. The alignment
19 continues within a 1000-foot corridor southeast along the EPNG corridor to the Santa
20 Rosa Canal (N192-N154, 0.5 mile). The alignment then parallels the Santa Rosa Canal
21 south within a one-half mile wide corridor until it intersects with Teel Road (N154-N67,
22 0.6 mile) between Sections 26 and Section 35, Township 5 South, Range 2 East. The
23 alignment turns east within a 1000-foot corridor, continuing along Teel Road. In the
24 vicinity of the Mahaganapati Temple of Arizona site (the "Temple") in Section 35,
25 Township 5 South, Range 2 East, the line will be located in Section 26, Township 5
26

1 South, Range 2 East on the north side of Teel Road. Once past the Temple, the line will
2 continue east along Teel Road until intersecting with Green Road (N67-N66-N22-N177,
3 4.2 miles). The alignment then follows Green Road north between Section 29 and
4 Section 28, Township 5 South, Range 3 East within a 1000-foot corridor to the
5 midsection line north of Teel Road in Section 28, Township 5 South, Range 3 East, then
6 east paralleling the midsection line to John Wayne Parkway (N177-N178, 1.6 miles).
7 The alignment continues east from John Wayne Parkway in a 500-foot corridor on the
8 south side of and paralleling the Ak-Chin Indian Community boundary, to the existing
9 Santa Rosa Substation. (N178-N104, 3.2 miles) in Section 30, Township 5 South, Range
10 4 East.

11 Applicant is granted authority to construct a 500/230 kV substation located on
12 approximately 15 acres adjacent to the existing Santa Rosa 230/69 kV Substation, located
13 in Section 30, Township 5 South, Range 4 East.

14 *Santa Rosa to SEV*

15 Applicant is granted authority to construct a 500 kV transmission line with an
16 option for a 500/230 kV double circuit on all or part of its length, on the following
17 alignment. From the Santa Rosa Substation, the 500 kV alignment extends east, within a
18 1000-foot corridor paralleling the existing Arizona Public Service ("APS") and Western
19 Area Power Administration ("Western") 230 kV transmission lines until intersecting with
20 the Santa Rosa Wash flood control channel (N104-N122, 2.2 miles) in Section 28,
21 Township 5 South, Range 4 East. The alignment turns south, at the Santa Rosa Wash and
22 follows the Santa Rosa Wash within a one-half mile corridor to Barnes Road (N122-
23 N159, 2.6 miles) in Section 8, Township 6 South, Range 4 East. The alignment continues
24 south within a one-half mile corridor until its intersection with Carranza Road between
25 Section 3 and Section 10, Township 7 South, Range 4 East, then turns east in a 1000-foot
26

1 corridor parallel to Carranza Road until it intersects with the quarter-section line between
2 Indian Valley and Midway Roads in Section 12, Township 7 South, Range 4 East; the
3 alignment then travels south down the quarter-section line between Indian Valley and
4 Midway Roads to Cornman Road, which is one-half mile north of I-8 (N159-N144, 9.6
5 miles). The alignment extends east in a 1000-foot corridor paralleling Cornman Road
6 between Section 6 and Section 7, Township 7 South, Range 5 East to Henness Road
7 between Section 10 and Section 11, Township 7 South, Range 6 East. The alignment
8 continues east within a one-half mile corridor until it jogs south, following Cox Road to
9 the midsection line in Section 11 or Section 12, Township 7 South, Range 6 East, where
10 the alignment turns east to cross I-10, south of the I-10/UPRR intersection. After
11 crossing I-10, the route jogs north following the I-10 right of way in Section 12,
12 Township 7 South, Range 6 East to the Florence-Casa Grande Canal and continues east
13 within a one-half mile corridor following the Florence-Casa Grande Canal, until its
14 intersection with Sunland Gin Road (N144-N51-N54-N27-N141-N171-N28-N99-N73,
15 12.8 miles) which is located between Section 12, Township 7 South, Range 6 East and
16 Section 7, Township 7 South, Range 7 East. The alignment then turns north within a
17 1000-foot corridor and parallels Sunland Gin Road, which becomes Hacienda Road at
18 Cornman Road, to Selma Highway (N73-N179, 1.2 miles). The alignment continues
19 north within a 1000-foot corridor until its intersection with Earley Road between Section
20 30 and Section 31, Township 6 South, Range 7 East. At Earley Road, the alignment turns
21 and goes east in a 1000-foot corridor to Curry Road (N179-N180-N181, 5.0 miles) in
22 Section 26, Township 6 South, Range 7 East. . At Curry Road the alignment continues
23 east along Early Road to Tweedy Road within a one-half mile corridor between Early
24 Road and the midsection line to the north in Section 26, Township 6 South, Range 7 East.
25 At Tweedy Road the alignment goes north between Section 26 and Section 25, Township
26

1 6 South, Range 7 East to the midsection line north of Earley Road and then turns east
2 within a 1000-foot corridor paralleling the midsection line in Section 25, Township 6
3 South, Range 7 East to the vicinity of the existing Electrical District Number 2 ("ED2")
4 Substation (N181-N182-N183, 2.7 miles).

5 Applicant is granted authority to construct a new 500/230/115/69 kV Substation
6 located on approximately 50 acres of land in Section 30, Township 6, South, Range 8
7 East (referred to in the Application as Pinal South).

8 From the ED2 Substation and the proposed Pinal South Substation site, the
9 alignment continues within a 1000-foot corridor east paralleling Laughlin Road
10 midsection line in Section 30, Township 6 South, Range 8 East until it intersects with the
11 UPRR (N183-N185, 3.0 miles) in Section 27, Township 6 South, Range 8 East. The
12 alignment turns north paralleling the UPRR until it intersects with Bartlett Road between
13 Section 34, Township 5 South, Range 8 East and Section 3, Township 6 South, Range 8
14 East. The alignment turns east within a 1000-foot corridor paralleling Bartlett Road until
15 it intersects with the Florence Canal in Section 32, Township 5 South, Range 9 East or
16 Section 6, Township 6 South, Range 9 East; the alignment continues northeast paralleling
17 the Florence Canal until it intersects with Valley Farms Road between Section 29 and
18 Section 28, Township 5 South, Range 9 East. The alignment turns north within a 1000-
19 foot corridor paralleling Valley Farms Road to an existing Western 115 kV transmission
20 line (N185-N175, 12.9 miles) in Section 8 or Section 9, Township 5 South, Range 9 East.
21 The alignment turns west paralleling the existing Western 115 kV transmission line to
22 Christensen Road with a 0.5 mile corridor on either side of the alignment centerline on
23 the existing Western 115 kV Transmission Line (N175-N174, 4.0 miles). The alignment
24 then turns north along Christensen Road between Section 10 and Section 11, Township 5
25 South, Range 8 East until it intersects with the UPRR in Section 22, Section 23, Section
26

1 26 or Section 27, Township 4 South, Range 8 East, with a 0.5 mile corridor on either side
2 of the alignment centerline of Christensen Road. The alignment continues north,
3 following the UPRR until it converges with the Magma Railroad in Section 26 or Section
4 35, Township 3 South, Range 8 East, with a 0.5 mile corridor on either side of the
5 alignment centerline of the UPRR. (N174-N188-N166-N119-N120-N45, 8.7 miles). The
6 alignment then extends northeast, paralleling the Magma Railroad to the site of the
7 proposed Southeast Valley (SEV) Substation. This segment would also have a 0.5 mile
8 corridor on either side of the alignment centerline of the Magma Railroad (N45-N44, 2.4
9 miles).

10 Applicant is granted authority to construct a 500/230 kV Substation located on
11 approximately 50 acres of land in Section 24, Township 3 South, Range 8 East and
12 Section 19, Township 3 South, Range 9 East (referenced in the Application as 'SEV').
13 The proposed SEV Substation would also include co-location of a proposed 230/69 kV
14 Substation (referenced in the Application as 'RS-22').

15 *SEV to Browning*

16 Applicant is granted authority to construct a double circuit 500/230 kV
17 transmission line with the following alignment. From the proposed SEV/RS-22
18 Substation, the alignment extends in a northwesterly direction, paralleling the Central
19 Arizona Project ("CAP") Canal within a one-half mile wide corridor on the west side of
20 the CAP Canal from Judd Road north to Roberts Road. From Roberts Road the
21 alignment continues northwesterly in a 1000-foot corridor on the west side of the CAP
22 Canal to the quarter-section line north of Chandler Heights Boulevard in Section 23,
23 Township 2 South, Range 8 East. In order to jog around the Rittenhouse Auxiliary
24 Airfield the alignment north of the quarter-section line north of Chandler Heights
25 Boulevard continues along the CAP Canal within a corridor 1000-feet wide on the west
26

1 side and one-half mile wide on the east side of the CAP Canal to the mid-section line
2 north of Pima Road in Sections 10 or Section 11, Township 2 South, Range 8 East.

3 Applicant is granted authority to construct a 230/69 kV Substation located on
4 approximately 15 acres of land in Sections 3, 4, 10 or 15, Township 2 South , Range 8
5 East. (referenced in the Application as 'RS-19').

6 The alignment then continues parallel to the CAP Canal within a 1000-foot
7 corridor on the west side of the CAP Canal until it intersects with the existing Silver King
8 to Browning 500 kV transmission line (Case No. 16) (N44-N42-N208, 15.0 miles) in
9 Section 8, Township 1 South, Range 8 East. The alignment then goes west paralleling
10 the Silver King - Browning line within a 1000-foot corridor until terminating at the
11 existing Browning Substation (N208-N90, 2.7 miles) in Section 12, Township 1 South,
12 Range 7 East.

13 From the CAP Canal to the existing Browning Substation (N208-N90), the
14 existing Silver King to Browning single circuit 500 kV transmission line will be rebuilt to
15 a double circuit 500/230 kV line.

16 The approved substation configurations are as shown in Applicant's Exhibits G-9,
17 G-10, G-11, G-12, G-14, and G-15 in the Application, and are attached to this Certificate
18 as Exhibit C. This approval shall not limit the ability of the Applicant to make
19 reasonable improvements, replacements, additions or modifications as needed to operate
20 the system in a safe, reliable and efficient manner.

21 This Certificate is granted upon the following conditions:

- 22 1. This authorization to construct the Project will expire twenty (20) years
23 from the date the Certificate is approved by the Arizona Corporation
24 Commission, unless construction is completed to the point that the line is
25 capable of operating at its rated capacity by that time; provided, however,
26

1 that prior to such expiration the Applicant may request that the Arizona
2 Corporation Commission extend the time limitation.

- 3 2. Applicant shall obtain all required approvals and permits necessary to
4 construct the Project.
- 5 3. Applicant shall comply with all existing applicable laws, air and water
6 pollution control standards and regulations, ordinances, master plans and
7 regulations of the United States, the State of Arizona, Maricopa County,
8 Pinal County and any other governmental entities having jurisdiction.
- 9 4. The Applicant will sponsor an intensive pedestrian survey for cultural
10 resources of the previously un-inspected portions of the final right-of-way
11 and will continue to consult with the State Historic Preservation Office
12 (“SHPO”) to identify and evaluate any cultural resources present.
- 13 5. The Applicant will continue to consult with SHPO to reach a
14 determination of impact. If the result is a determination of negative
15 impacts, the Applicant will consult with SHPO to resolve the negative
16 impacts.
- 17 6. The Applicant will avoid and/or minimize impacts to properties
18 considered eligible for inclusion in the State or National Register of
19 Historic Places to the extent possible. Spanning over historic-period
20 roads, canals and railroads is considered an acceptable form of avoidance.
- 21 7. If the Applicant decides that Register-eligible archaeological sites cannot
22 be avoided, then the Applicant will consult with SHPO to plan and
23 implement a mitigation plan.
- 24 8. Should an archaeological, paleontological, or historic site or object be
25 discovered during plan-related activities, the person in charge is required
26

1 to notify promptly the Director of the Arizona State Museum and take
2 reasonable steps to secure and maintain the resource's preservation
3 pursuant to state law (*i.e.*, A.R.S. § 41-844). If human remains and/or
4 funerary objects are encountered during the course of any ground
5 disturbing activities relating to the development of the subject property,
6 Applicant shall cease work on the affected area of the Project and notify
7 the Director of the Arizona State Museum in accordance with A.R.S. §
8 41-865.

- 9 9. Applicant shall consult an archeologist during construction activities in
10 applicable areas, as determined by SHPO, to advise Applicant in
11 connection with any additional archeological studies that may be required
12 and any mitigation efforts for archeological sites that may be affected by
13 the construction of the Project.
- 14 10. After construction, the Applicant, in conjunction with any applicable land
15 managing agency, shall allow Arizona Site Stewards, a volunteer-staffed
16 SHPO program, to periodically inspect archeological sites within the
17 corridor for vandalism or other damage.
- 18 11. The Applicant shall follow the Arizona State Land Department's
19 instructions, if any, regarding the treatment of State Register of Historic
20 Places-eligible properties situated on Arizona State Land Department land
21 in consultation with SHPO.
- 22 12. In consultation with SHPO and the applicable land-managing agency, the
23 Applicant will consider and assess potential direct and indirect impacts to
24 eligible properties related to new access roads or any existing access
25 roads that require blading.
26

- 1 13. Within 45 days of securing easements or right of way for the Project, the
2 Applicant shall erect and maintain signs providing public notice that the
3 property is the site of a future transmission line or substation. Applicant
4 shall place signs in prominent locations at reasonable intervals such that
5 the public is notified along the full length of the transmission line. The
6 signs shall advise: a.) the site has been approved for the construction of
7 Project facilities including 500 kV lines, 230 kV lines and substations, as
8 applicable; b.) the expected date of completion of the Project facilities;
9 and c.) a phone number for public information regarding the Project.
- 10 14. Applicant shall monitor all ground clearing or disturbing activities that
11 may affect sensitive habitat. If a special status species is encountered,
12 Applicant shall retain a biological monitor to ensure proper actions are
13 taken with regard to such species.
- 14 15. Applicant shall design the transmission lines so as to minimize impacts to
15 raptors.
- 16 16. Where practicable, the Applicant shall use existing roads for construction
17 and access. The Applicant shall minimize vegetation disturbance outside
18 of the power-line right of way, particularly in drainage channels and along
19 stream banks, and shall re-vegetate native areas of construction
20 disturbance outside of the power-line right of way after construction has
21 been completed.
- 22 17. A. The Applicant shall make every reasonable effort to identify and
23 correct, on a case-specific basis, all complaints of interference with radio
24 or television signals from operation of the line and related facilities.
- 25 B. The Applicant shall maintain written records for a period of five (5)
26

1 years of all complaints of radio or television interference attributable to
2 operation of the line, together with the corrective action taken in response
3 to each complaint. All complaints shall be recorded and include notations
4 as to the corrective action taken. Complaints not leading to a specific
5 action or for which there was no resolution shall be noted and explained.
6 The record shall be signed by the Project owner and also the complainant,
7 if possible, to indicate concurrence with the corrective action or
8 agreement with the justification for a lack of action.

- 9 18. The Applicant shall, to the extent feasible, minimize the destruction of
10 native plants during the Project construction and shall comply with the
11 notice and salvage requirements of the Arizona Native Plant Law.
- 12 19. The Applicant shall use non-specular conductor and dulled surfaces for
13 transmission line structures.
- 14 20. The following condition is to ensure transmission system safety and
15 reliability when a transmission structure is placed within one hundred feet
16 of an existing natural gas or hazardous liquid pipeline, excluding
17 distribution lines as defined by the Code of Federal Regulations, 49
18 C.F.R. § 192.3 (2001). Under such circumstances, the Applicant shall:
- 19 (a) Provide the appropriate grounding and cathodic protection studies to
20 show that the transmission line results in no material adverse
21 impacts to such existing natural gas or hazardous liquid pipeline,
22 whose right-of-way is a hundred feet or less from the transmission
23 structure, when both are in operation. Additionally, Applicant shall
24 use its best efforts to insure that future natural gas and hazardous
25 liquid pipelines result in no material adverse impact to the
26

1 transmission lines. A report of the studies shall be provided to the
2 Commission by the Applicant as part of its compliance with the
3 Certificate. If material adverse impacts are noted in the studies,
4 Applicant shall take appropriate steps to ensure such material
5 adverse impacts are mitigated. Applicant shall provide to the
6 Commission written documentation of the actions that were taken
7 and provide documentation showing that material adverse impacts
8 were mitigated.

- 9 (b) Adopt a written mitigation plan outlining all reasonable steps to be
10 taken to protect all electric facilities associated with the transmission
11 line as a result of this Project from any potential hazards that could
12 occur whenever a transmission line structure is placed 100 feet or
13 less from any such existing pipeline or its contents. The plan shall
14 indicate the proposed corrective action to mitigate identified
15 potential hazards. A potential hazard includes, but is not limited to,
16 a rupture or explosion resulting from the pipeline. The written
17 mitigation plan shall be provided to the Commission by the
18 Applicant as part of its compliance with this Certificate and shall be
19 subject to review and comment by Commission Staff. Applicant
20 shall implement the written mitigation plan during a hazard as part
21 of its compliance with this Certificate.

- 22 21. The Applicant shall submit a self-certification letter annually until
23 construction is complete, identifying which conditions contained in the
24 CEC have been met. Each letter shall be submitted to the Utilities
25 Division Director beginning on August 1, 2006, describing conditions that
26

1 have been met as of June 30 of that year. Attached to each certification
2 letter shall be documentation explaining, in detail, how compliance with
3 each condition was achieved. Copies of each letter, along with the
4 corresponding documentation, shall also be submitted to the Arizona
5 Attorney General and Department of Commerce Energy Office.

- 6 22. Before construction on this Project may commence, the Applicant must
7 file a construction mitigation and restoration plan with ACC Docket
8 Control.

9 The goals of the Plan will be to:

10 Avoid impacts where practical;

11 Where impacts are unavoidable, minimize impacts; and

12 Focus on site preparation to facilitate natural processes of
13 revegetation and drainage.

14 Other key elements of the Plan, when not inconsistent with the respective
15 land management agencies or local owners' requirements, are to:

16 Emphasize final site preparation to encourage natural revegetation;

17 Avoid (*i.e.*, preserve), where practical, mature native trees;

18 Stipulate a maximum construction corridor width;

19 Reserve topsoil and native plant materials from right-of-way before
20 grading, and respread over the right-of-way after construction is
21 complete;

22 Imprint the restored right-of-way to provide indentations to catch
23 seed and water;

24 Implement best management practices to protect the soil;

25 Apply restoration methods that have been shown to work in the
26

1 desert environment; and

2 Prevent the spread of noxious weeds or other undesirable species.

3 23. The authority granted by this Certificate includes the authority to
4 construct a 230 kV circuit on the 500 kV structures (authorized within
5 this Certificate), between the Santa Rosa and SEV Substations. This
6 authority is contingent on the following:

7 (a) The Applicant will identify proposed use of the 230 kV facilities in a
8 January 2006 filing of the annual ten year plan submittals. The
9 Applicant will include the 230 kV facilities and the required
10 technical study work in each subsequent ten year plan filing until the
11 230 kV facilities are constructed.

12 (b) Prior to beginning construction of a 230 kV circuit on any portion of
13 the route between the Santa Rosa and SEV Substations, Applicant
14 shall submit to the Utilities Division of the Arizona Corporation
15 Commission ("ACC Staff") a written study that describes the
16 proposed 230 kV circuit and provides all available study results of a
17 system reliability analysis relating to the proposed circuit, including
18 but not limited to, studies demonstrating that the proposed 230 kV
19 circuit meets NERC/WECC reliability criteria as well as any other
20 criteria utilized by the Commission at the time of filing. The study
21 will also identify the needs and objectives of the stakeholders,
22 address how the 230 kV circuit will best meet the regional needs of
23 the stakeholders and address how the 230 kV circuit will be
24 incorporated with other long term 230 kV plans identified to meet
25 the load serving needs of the region. The study will also address
26

1 issues of reliability relating to consolidation of these lines on
2 common structures, the use of common corridors and
3 interconnection of facilities. The study work will be performed in an
4 open and collaborative manner open to all stakeholders in a regional
5 forum, such as the CATS-HV Technical Study Work Group.

6 (c) Upon the submission of the study work described in subsection b (in
7 the paragraph above) to the ACC Staff, the Applicant shall make a
8 compliance filing with Docket Control documenting said study work
9 submission. The ACC Staff shall then docket within 90 days a Staff
10 Report with regard to the Applicant's study work. The Staff Report
11 shall include a Staff recommendation as to whether a hearing should
12 be held in the matter as well as Staff's recommendation as to whether
13 the Commission should approve the Applicant's request to attach a
14 230 kV circuit line to the 500 kV structures. Regardless of whether
15 the matter proceeds to hearing, the Commission shall make the final
16 determination whether the Applicant is authorized to construct the
17 230 kV circuit on any portion of the common 500 kV line structures
18 spanning from Santa Rosa to the SEV Substations. Only upon
19 receipt of an affirmative determination from the Commission, may
20 the Applicant construct the 230 kV circuit described in subsection a.

21 (d) A request for approval of a particular 230 kV circuit shall not
22 preclude subsequent requests for other 230 kV circuits.

23 With respect to the Project, Applicant shall participate in good faith in state and
24 regional transmission study forums, and shall coordinate transmission expansion
25 plans related to the Project to resolve transmission constraints in a timely
26

manner.

24. Applicant shall provide copies of this Certificate to appropriate city and county planning agencies, SHPO, AGFD and ASLD.

25. Applicant shall work with homebuilders and developers along the route to encourage them to include the identity and location of the certificated route in the homebuilders' and homeowners' disclosure statements.

26. Applicant shall publish a copy of this certificate and the attachments on Applicant's project website within 10 days of approval by the Corporation Commission. Such publication shall continue until all necessary right-of-way has been obtained.

27. Upon the start of construction for each of RS-19, Pinal South and Southeast Valley substations, Applicant shall work with the applicable jurisdictions to determine appropriate landscaping/visual mitigation for the particular site.

GRANTED this 8 day of June, 2005.

**THE ARIZONA POWER PLANT AND
TRANSMISSION LINE SITING
COMMITTEE**

By Laurie A. Woodall
Laurie A. Woodall, Chairman

1 **APPROVED BY ORDER OF THE ARIZONA CORPORATION COMMISSION**

2
3 _____
Chairman

4
5 _____
Commissioner

6
7 In Witness Hereof, I, Brian C. McNeil, Executive Secretary of the Arizona
8 Corporation Commission, set my hand and cause the official seal of this Commission to
9 be affixed, this _____ day of _____, 2005.

10
11 By _____
12 Brian C. McNeil
13 Executive Secretary

14 Dissent
15
16
17
18
19
20
21
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25
26

EXHIBIT A

Exhibit A

ARIZONA POWER PLANT AND TRANSMISSION LINE SITING COMMITTEE

APPROVED ALIGNMENT

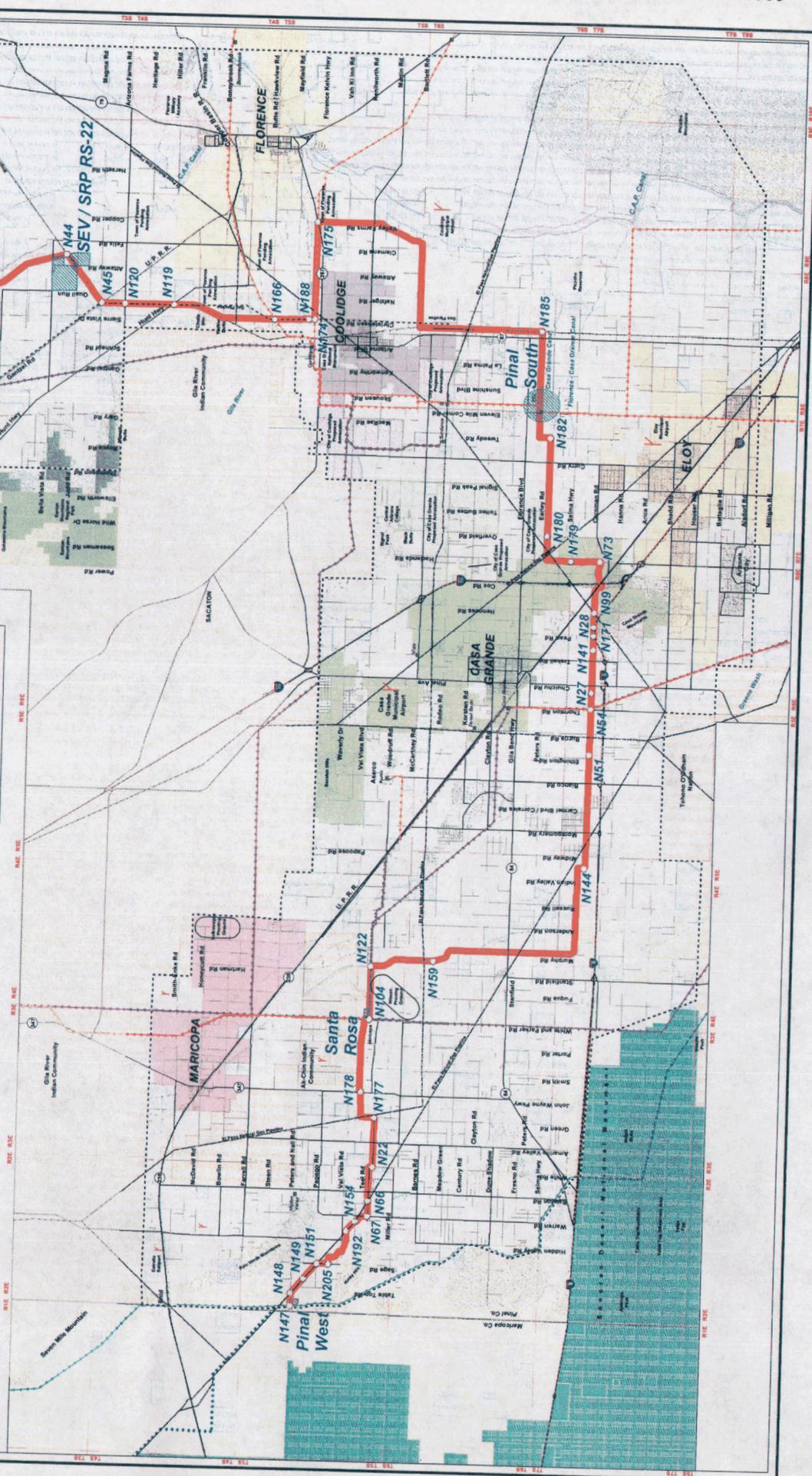
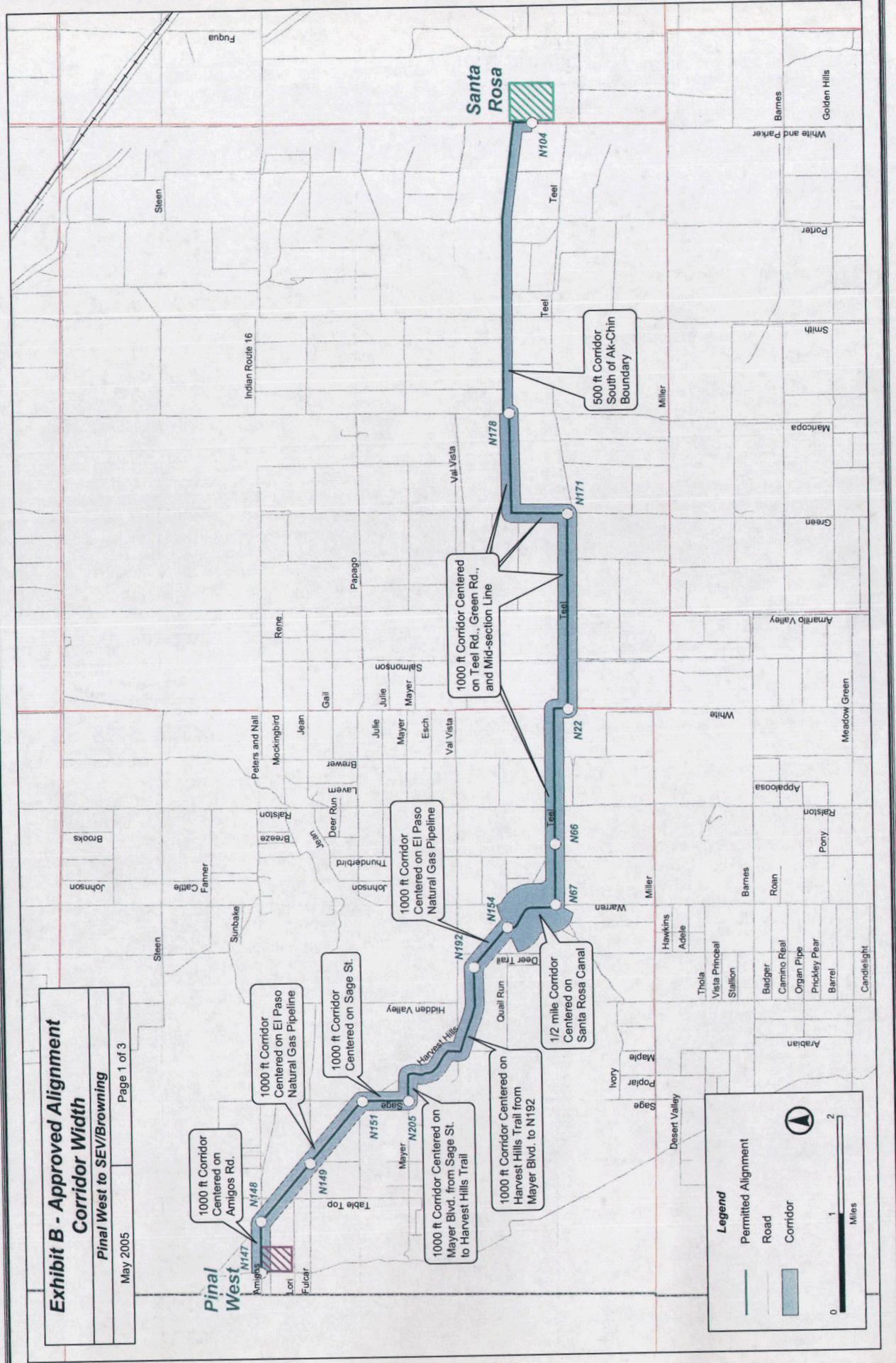


EXHIBIT B

**Exhibit B - Approved Alignment
Corridor Width**

Pinal West to SEV/Browning

May 2005 Page 1 of 3



SEV / SRP RS-22

1 Mile Corridor Centered on Magma RR

1 Mile Corridor Centered on Union Pacific RR

1 Mile Corridor Centered on Christensen Rd.

1 Mile Corridor Centered on Existing 115 KV Transmission Line

1000 ft Corridor Centered on Existing 230 KV Transmission Line Corridor

1/2 mile Corridor Centered on Santa Rosa Wash

1/2 Mile Corridor Centered on Quarter-section Line North of Earley Rd. from Curry Rd. to Tweedy Rd.

1000 ft Corridor Centered on Hacienda Rd.

1/2 Mile Corridor Centered on Florence-Casa Grande Canal

1/2 Mile Corridor Centered on Cormman Rd.

1000 ft Corridor Centered on Cormman Rd.

1000 ft Corridor Centered on Earley Rd.

1000 ft Corridor Centered on Union Pacific RR

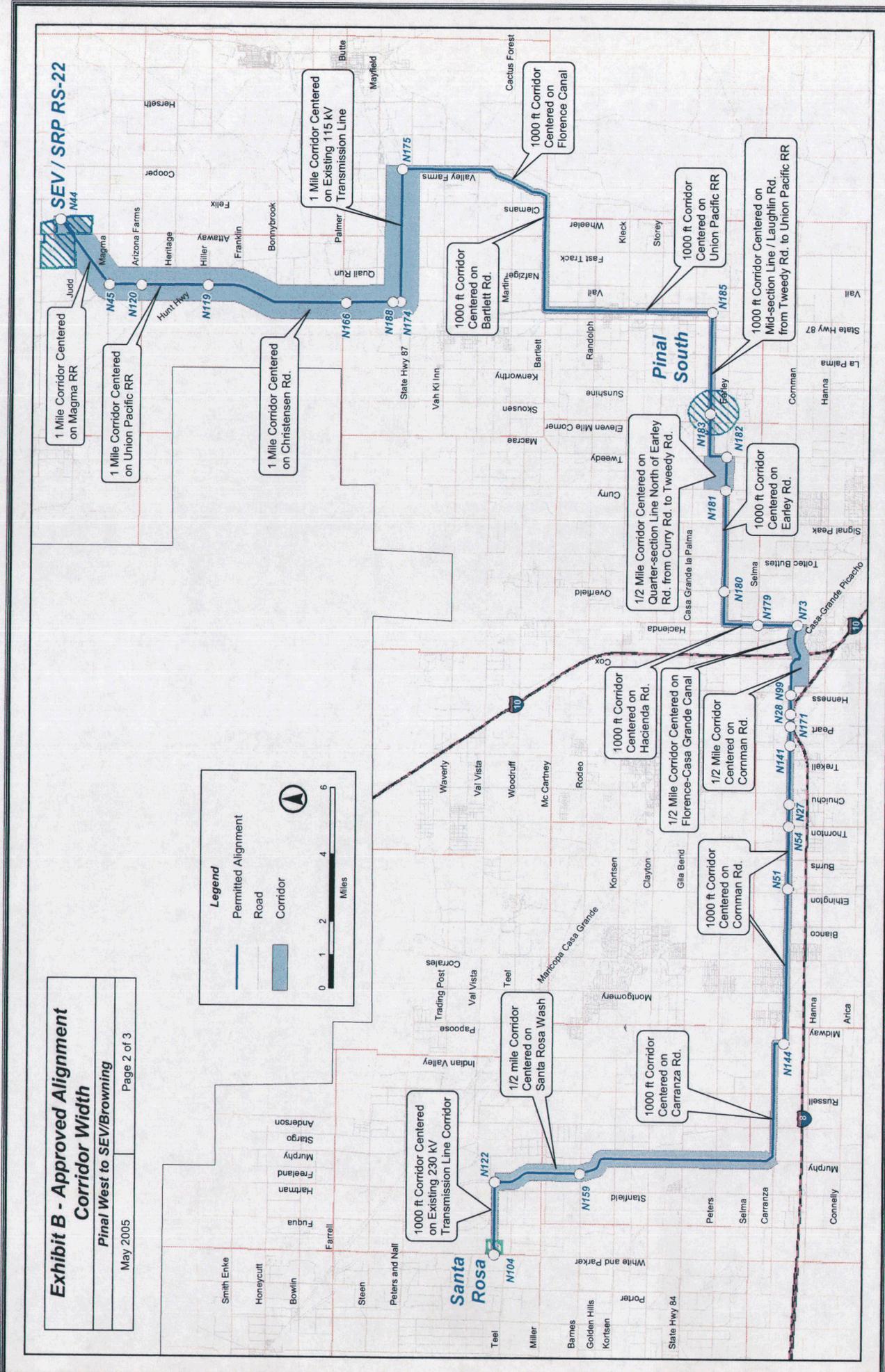
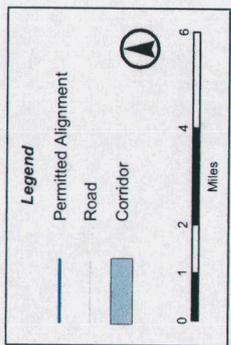
1000 ft Corridor Centered on Mid-section Line / Laughlin Rd. from Tweedy Rd. to Union Pacific RR

Exhibit B - Approved Alignment
Corridor Width

Pinal West to SEV/Browning

May 2005

Page 2 of 3



**Exhibit B - Approved Alignment
Corridor Width**
Pinal West to SEV/Browning
May 2005 Page 3 of 3

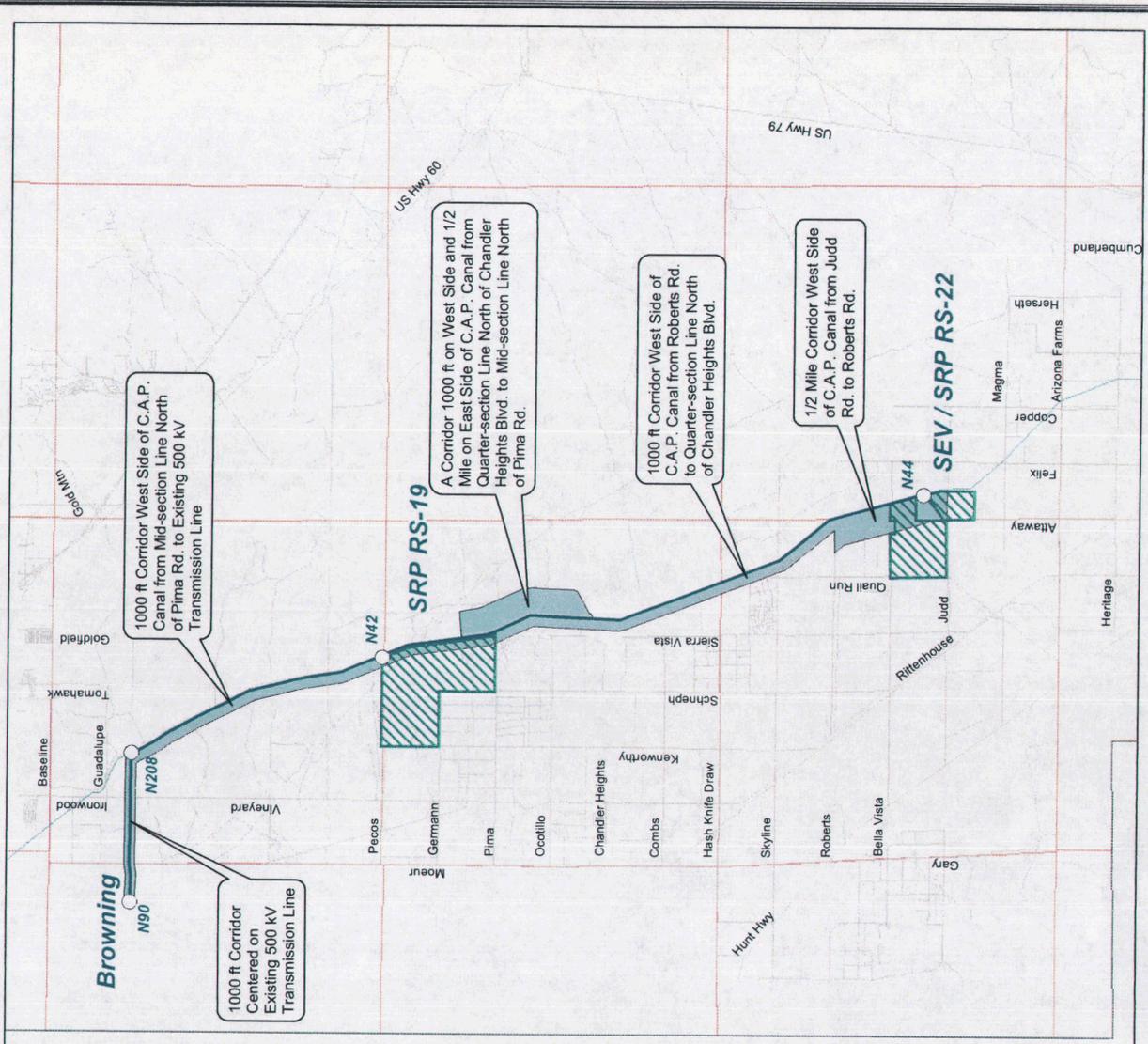
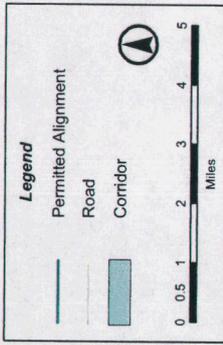
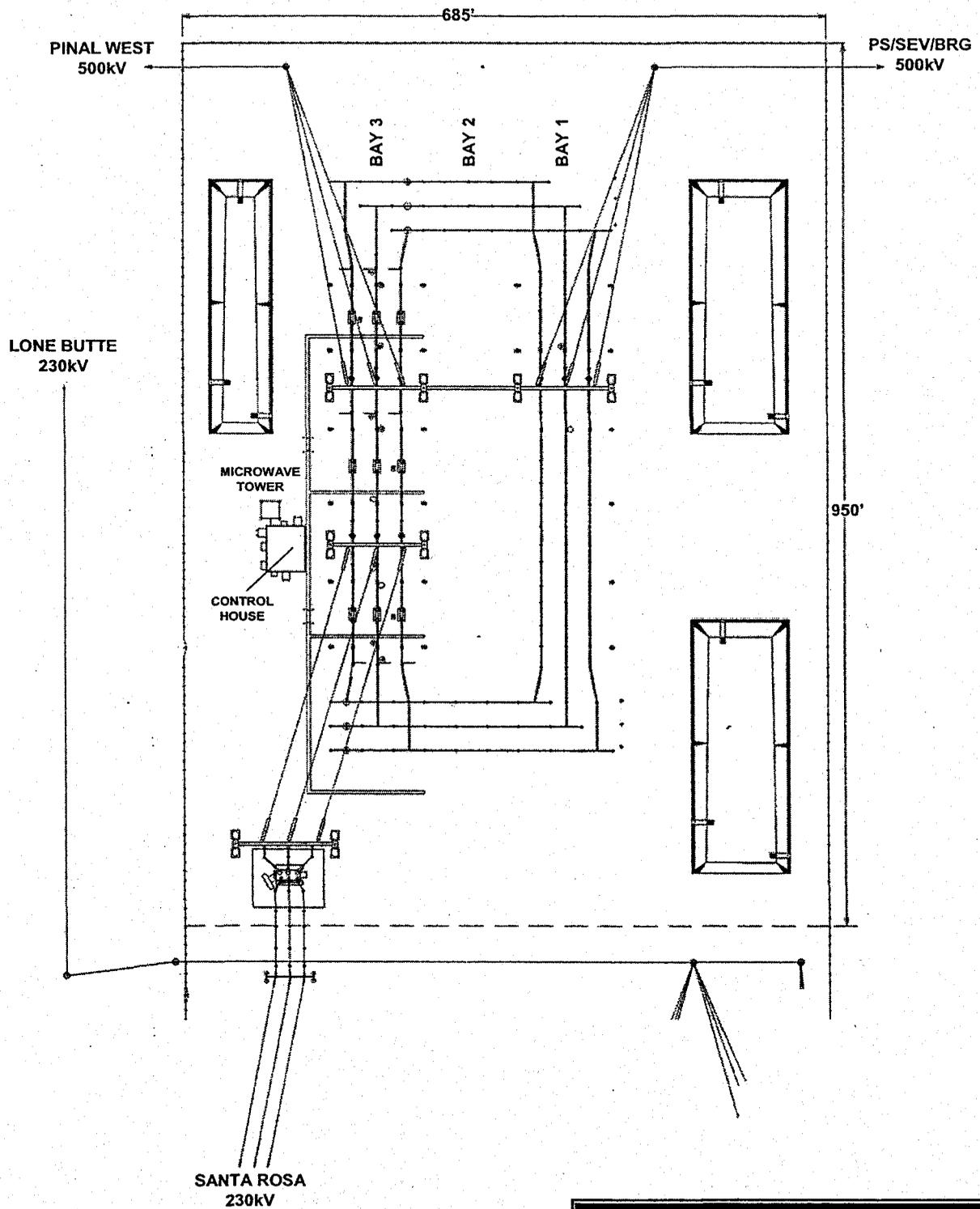
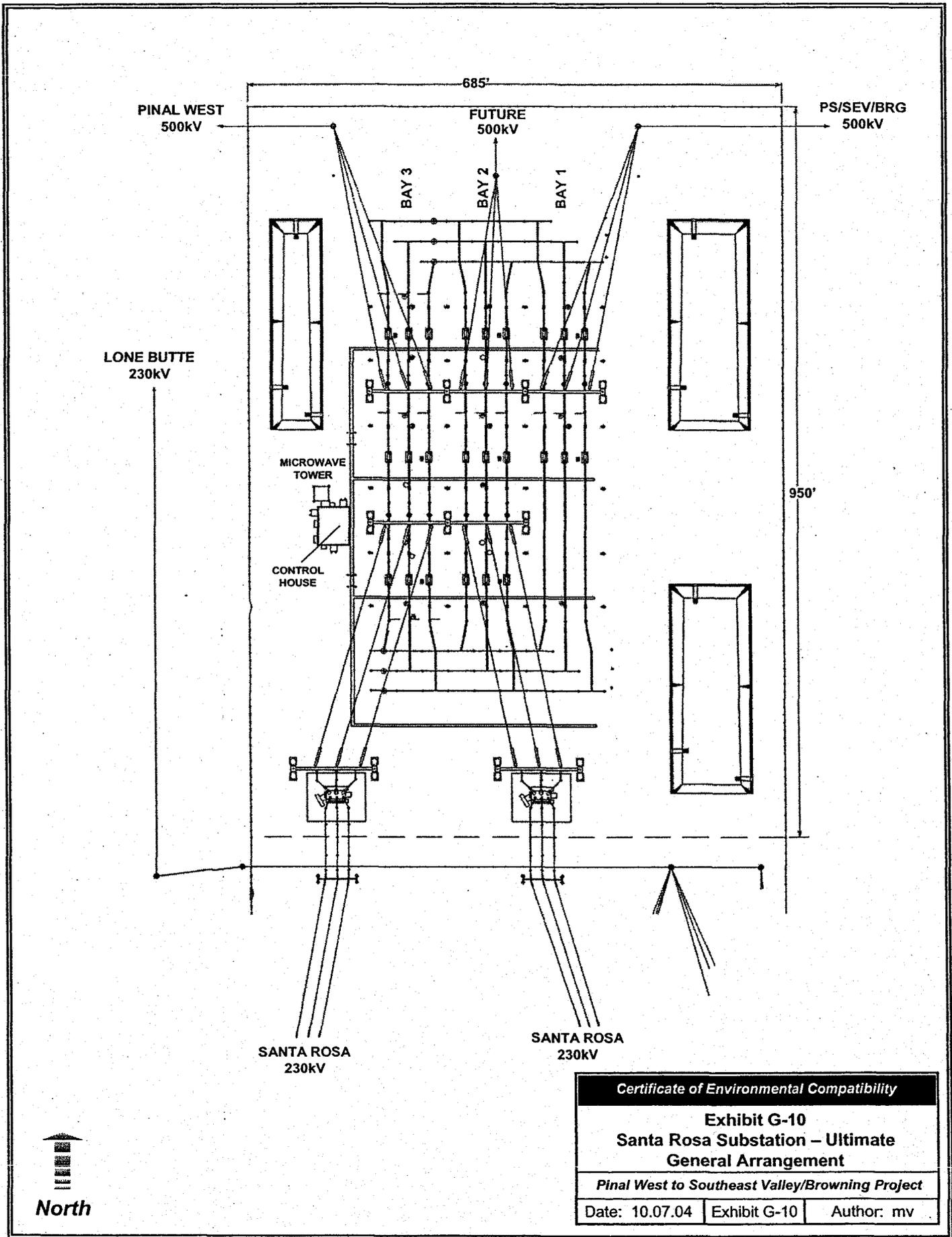


EXHIBIT C

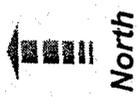
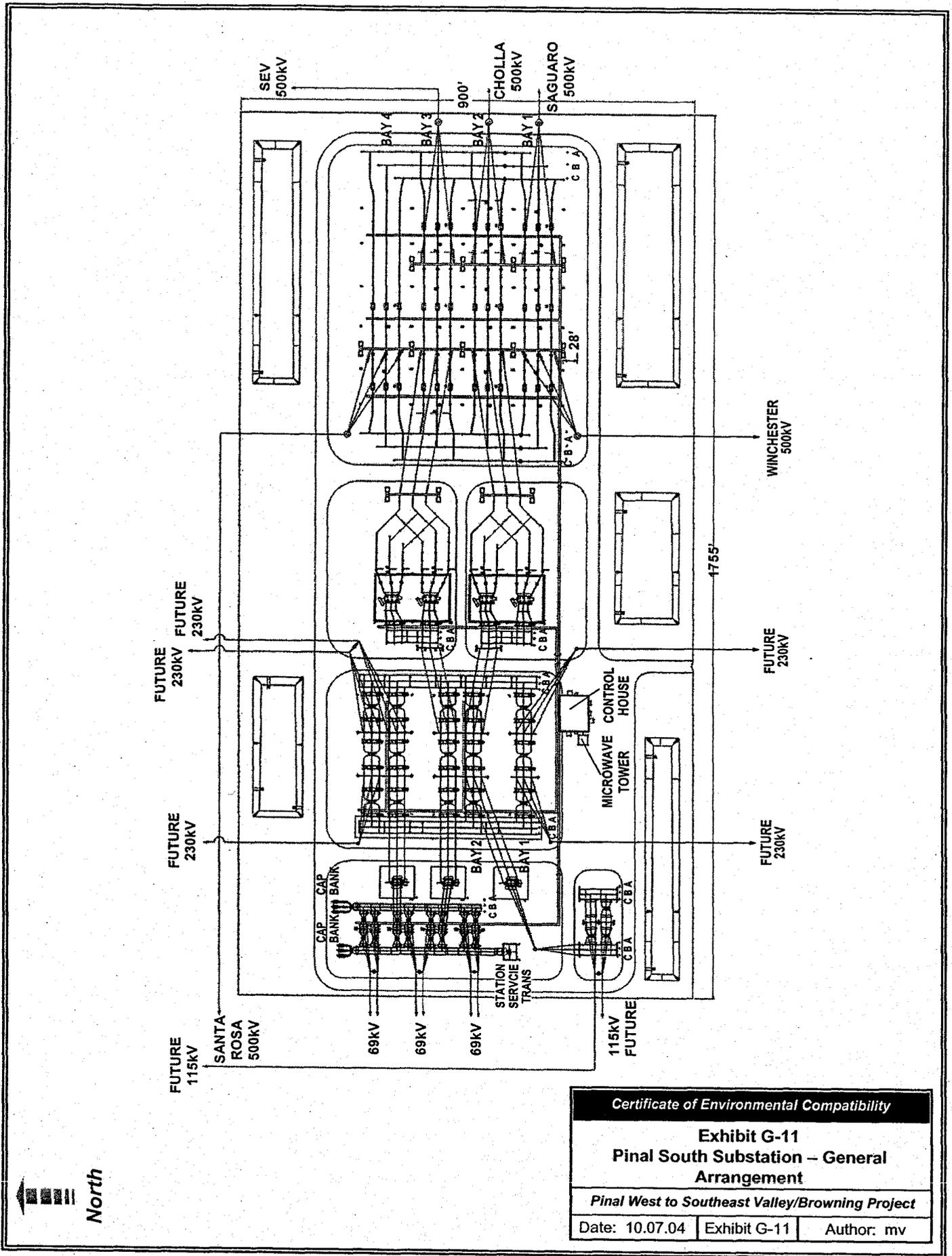


Certificate of Environmental Compatibility		
Exhibit G-9		
Santa Rosa Substation – Initial General Arrangement		
<i>Palo Verde to Pinal West Project</i>		
Date: 10.06.04	Exhibit G-9	Author: mv

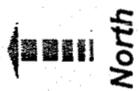
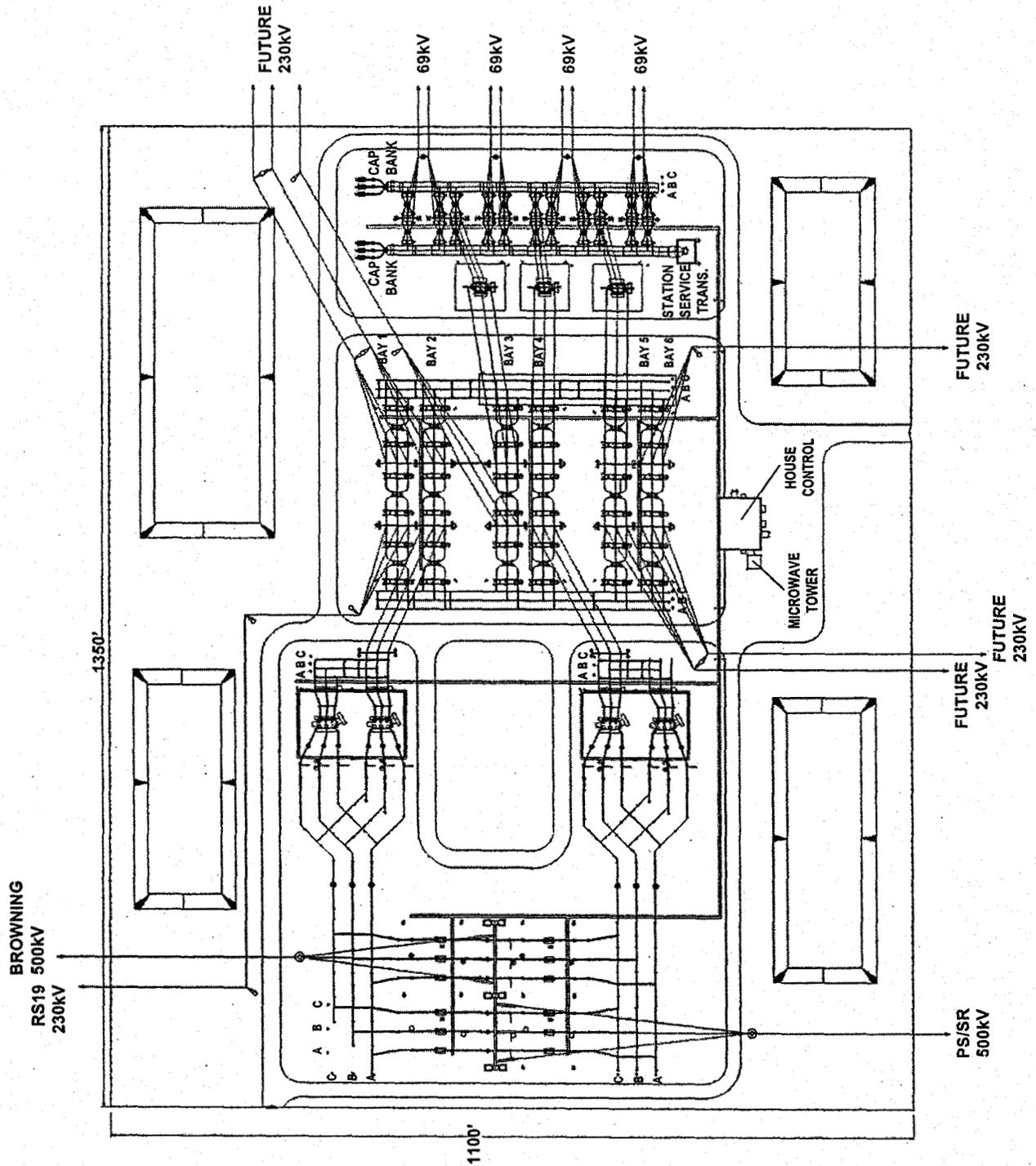


North

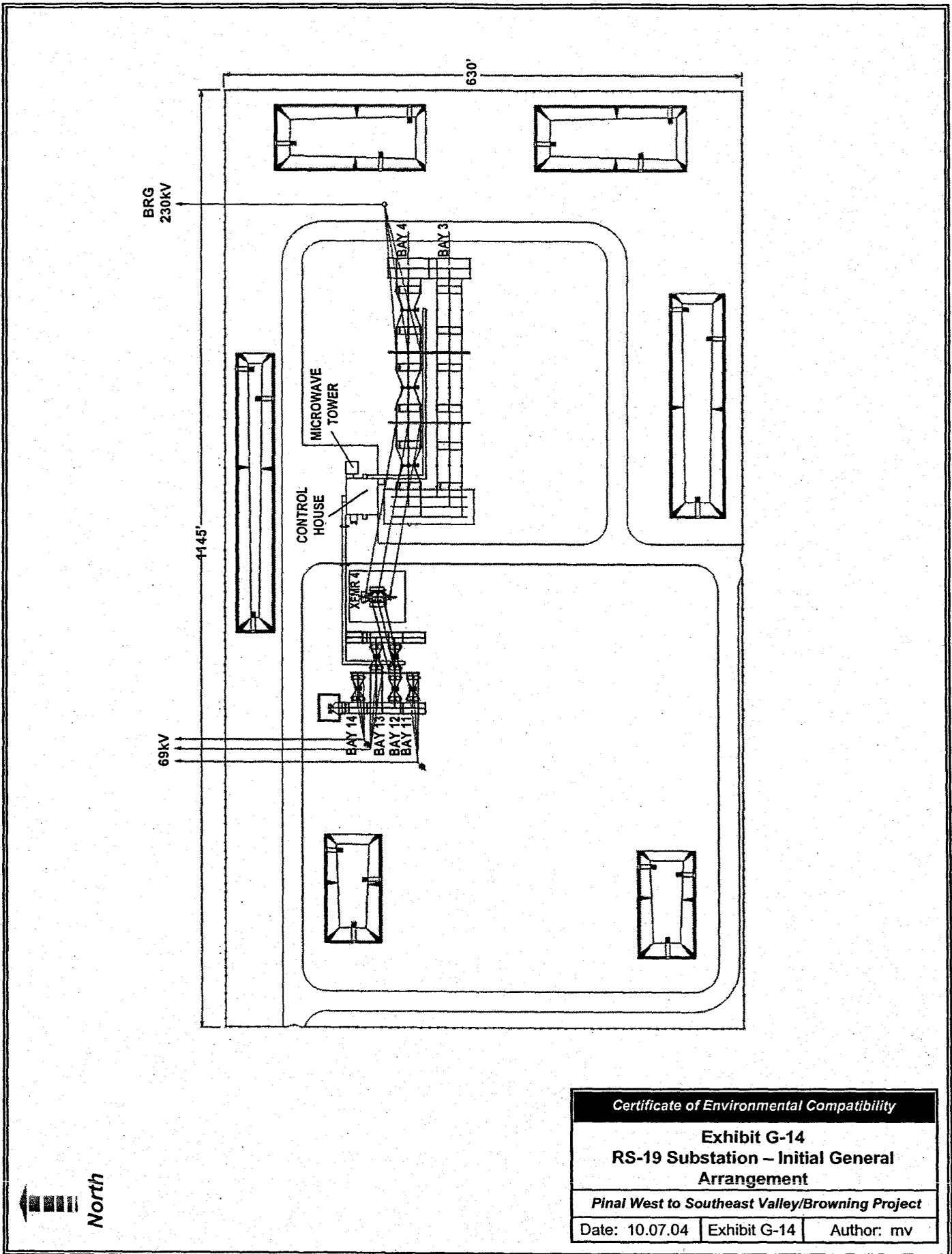
Certificate of Environmental Compatibility		
Exhibit G-10		
Santa Rosa Substation – Ultimate General Arrangement		
<i>Pinal West to Southeast Valley/Browning Project</i>		
Date: 10.07.04	Exhibit G-10	Author: mv



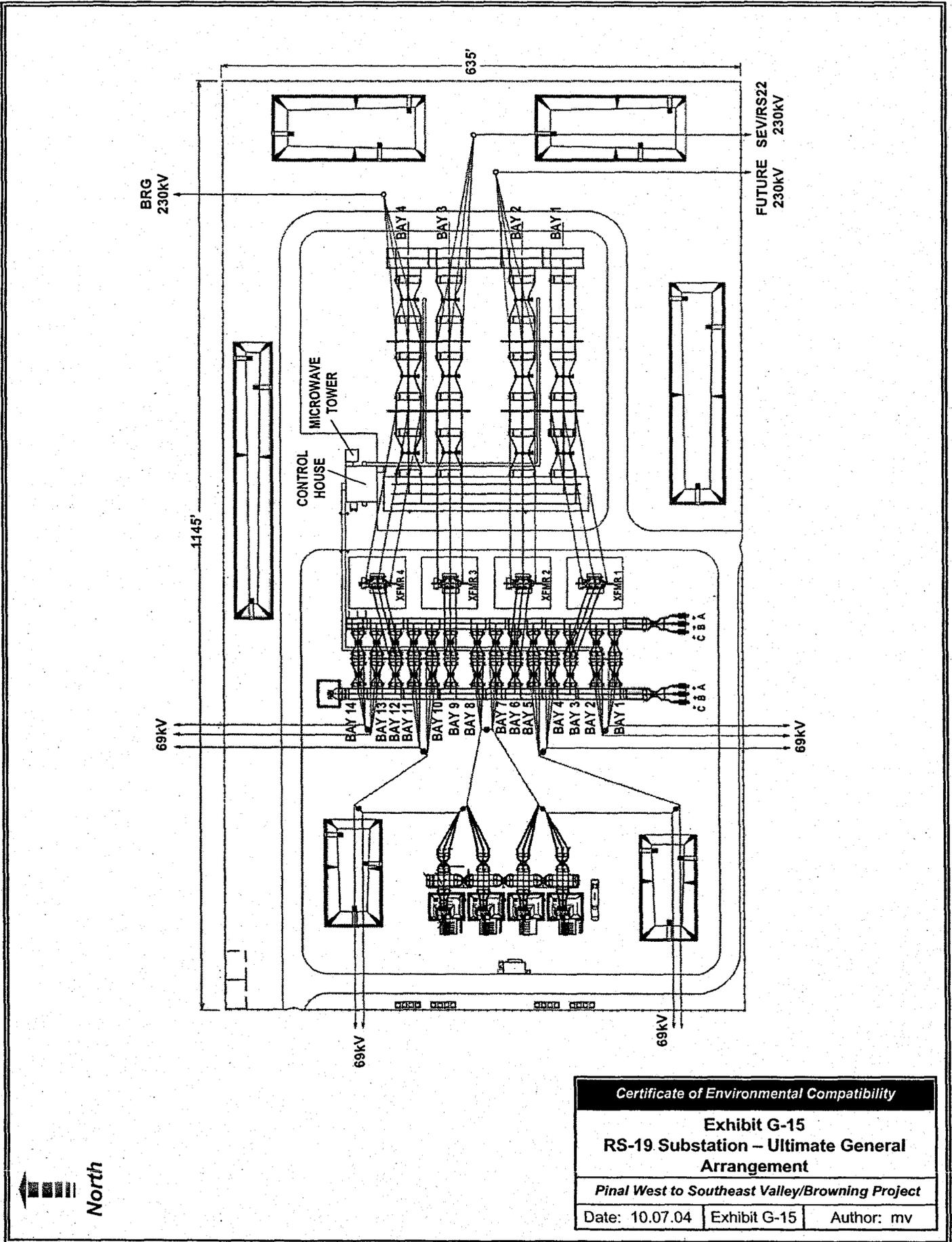
<i>Certificate of Environmental Compatibility</i>		
Exhibit G-11		
Pinal South Substation – General Arrangement		
<i>Pinal West to Southeast Valley/Browning Project</i>		
Date: 10.07.04	Exhibit G-11	Author: mv



<i>Certificate of Environmental Compatibility</i>		
Exhibit G-12		
SEV Substation – Ultimate General Arrangement with Pinal South		
<i>Pinal West to Southeast Valley/Browning Project</i>		
Date: 10.07.04	Exhibit G-12	Author: mv



Certificate of Environmental Compatibility		
Exhibit G-14		
RS-19 Substation – Initial General Arrangement		
<i>Pinal West to Southeast Valley/Browning Project</i>		
Date: 10.07.04	Exhibit G-14	Author: mv



Certificate of Environmental Compatibility

Exhibit G-15
RS-19 Substation – Ultimate General Arrangement

Pinal West to Southeast Valley/Browning Project

Date: 10.07.04	Exhibit G-15	Author: mv
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