

KINGMAN FIELD OFFICE SCOPING FORM

Proposal: 12 kV Distribution Powerline to serve BLM WH&B Corrals

DOI-BLM-AZ-C010-2010-0054-CX

LR 13a

S:/blmshare/nepa/ROW's/WH&B Corrals
Powerline

NEPA Document Number

RMP Implementation No.

Document Location

Land Description: T. 20 N., R. 17 W., Sec. 6

Applicant: UniSource Electric, Inc.

Authorization: AZA 35455

INVOLVEMENT: Indicate in the left column which disciplines need to provide information into the EA.

Needed Input (X)	Discipline	Signature
	Lands	
	Minerals	
	Range	
	Wild Horse and Burro	
	General Recreation	
x	Cultural and Paleontological Resources	/s/ Tim Watkins 08/16/2010
	Wilderness	
	Soils	
	Surface and Groundwater Quality/Water Rights	
	Air Quality	
x	Wildlife	/s/ Ammon Wilhelm
x	Threatened and Endangered Plants and Animals	/s/ Ammon Wilhelm
x	Migratory Birds	/s/ Ammon Wilhelm
	Surface Protection	
	Hazardous Materials	
	Areas of Critical Environmental Concern	
	Visual Resources	
	Socio-Economics/Environmental Justice	
	General Botany/Noxious Weeds	
	Energy Policy	

Writer: /s/ Joyce Cook

Date: 08/05/2010

Environmental Coordinator: /s/ Don McClure

Date: 08/16/2010

Field Manager: /s/ Jackie Neckels

Date: 08/16/2010

Categorical Exclusion Documentation Format for Actions Other Than Hazardous Fuels and Fire Rehabilitation Actions

Project Name

DOI- BLM-AZ-C010-2010-0054-CX

A. Background

BLM Office: Kingman Field Office Lease/Serial/Case File No.: AZA 35455

Proposed Action Title/Type: Right-of-way (ROW) application for 12 kV distribution power line to serve the BLM Wild Horse and Burro (WH&B) corrals.

Location of Proposed Action: T. 20 N., R. 17 W., Sec.6

Description of Proposed Action: The proposed power line would be totally within the ROW Reservation for the corrals. The ROW requested is 20' wide, 4465' long consisting of 2.01 acres. Approximately 4225' will be above-ground on 14 wood poles and 4 guy anchors from the road to the well and 240' will be and underground spur with a pad mounted transformer to provide power to the chutes, tack building, etc. Spans will be approximately 330' long with a minimum of 18' clearance. A ground wire will be mounted at the top to provide lightning protection. The power line will be raptor-proof and use non-specular wire. See attached Plan of Development (POD).

B. Land Use Plan Conformance

Land Use Plan Name: *Kingman Resource Management Plan/EIS*

Date Approved/Amended: March 1995

The proposed action is in conformance with the LUP, even though it is not specifically provided for, because it is clearly consistent with the following LUP decision(s) (objectives, terms, and conditions):

LR 13a: "All other minor rights-of-way would be evaluated through the environmental review process and granted or rejected on a case by case basis. Existing rights-of-way would be used when possible to minimize surface disturbance." (RMP page 66)

VR 01: "Designate and manage visual resources according to the Visual Resource Management Classes as show on Map 19, page 81 and Table 16, page 138."

C: Compliance with NEPA:

1. The Proposed Action is categorically excluded from further documentation under the National Environmental Policy Act (NEPA) in accordance with 516 DM 11.9,E(12) Grants of right-of-way wholly within the boundaries of other compatibly developed rights-of-way.

This categorical exclusion is appropriate in this situation because there are no extraordinary circumstances potentially having effects that may significantly affect the environment. The proposed action has been reviewed (See Attachment 1), and none of the extraordinary circumstances described in 516 DM 2 apply.

In consideration of the proposed action for a power line ROW no significant impacts are expected.

D: Signature

Authorizing Official: /s/ Jackie Neckels Date: 09/29/2010
(Signature)

Name: Jackie Neckels
Title: Assistant Field Manager, Nonrenewable Resources

Contact Person

For additional information concerning this CX review, contact Joyce Cook, Realty Specialist, Kingman Field Office, 2755 Mission Blvd., Kingman, AZ 86401, 928-718-3716.

Attachment 1: Extraordinary Circumstances Review

Extraordinary Circumstances	Comment (Yes or No with supporting Rationale)
1. Have significant effects on public health or safety.	No. The 12 kV power line would be installed according to standard operation procedures.
2. Have significant impacts on such natural resources and unique geographic characteristics as historic or cultural resources; park, recreation or refuge lands; wilderness areas; wild or scenic rivers; national natural landmarks; sole or principal drinking water aquifers; prime farmlands; wetlands (Executive Order 11990); floodplains (Executive Order 11988) national monuments; migratory birds; and other ecologically significant or critical areas.	No. The power line would be within the developed BLM WH&B corrals.
3. Have highly controversial environmental effects or involve unresolved conflicts concerning alternative uses of available resources [NEPA Section 102(2)(E)].	No. The power line would be within the developed BLM WH&B corrals.
4. Have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risks.	No. The power line would be within the developed BLM WH&B corrals.
5. Establishes a precedent for future action or represents a decision in principle about future actions with significant environmental effects.	No. The power line would be within the developed BLM WH&B corrals.
6. Have a direct relationship to other actions with individually insignificant but cumulatively significant environmental effects.	No. The power line would be within the developed BLM WH&B corrals.
7. Have significant impacts on properties listed, or eligible for listing, on the National Register of Historic Places as determined by either the bureau or office.	No. There are no known properties listed or eligible within the BLM WH&B corrals.
8. Have significant impacts on species listed, or proposed to be listed, on the List of Endangered or Threatened Species, or have significant impacts on designated Critical Habitat for these species.	No. There are no known T&E or critical habitat within the BLM WH&B corrals.
9. Violate a Federal law, or a State, local, or tribal law or requirement imposed for the protection of the environment.	No. This action does not violate any Federal, state or tribal laws or requirements to protect the environment.
10. Have a disproportionately high and adverse effect on low income or minority populations (Executive Order 12898).	No. The closest residential development is a minimum of 1 mile to the northwest.
11. Limit access to and ceremonial use of Indian sacred sites on Federal lands by Indian religious practitioners or significantly adversely affect the physical integrity of such sacred sites (Executive Order 13007).	No. The proposal would not have any impact on sacred sites. Foot access is not restricted. If vehicular access were needed for ceremonial use, it would be allowed. The proposal is within the developed BLM WH&B corrals.
12. Contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area or actions that may promote the introduction, growth, or expansion of the range of such species (Federal Noxious Weed Control Act and Executive Order 13112).	No. The proposed action would not contribute to the spread of noxious weeds.

Approval and Decision

Attachment 2

Compliance and assignment of responsibility (Type Program or Employee):

Lands and Realty Staff

Monitoring and assignment of responsibility: (Type Program or Employee):

Lands and Realty Staff

Review: *We have determined that the proposal is in accordance with the categorical exclusion criteria and that it would not involve any significant environmental effects. Therefore, it is categorically excluded from further environmental review.*

Prepared by: /s/ Joyce Cook **Date:** 09/28/2010

**Joyce Cook, Realty Specialist
Project Lead**

Reviewed by: /s/ David Brock **Date:** 09/29/2010

**David Brock
NEPA Coordinator**

Reviewed by: /s/ Jackie Neckels **Date:** 09/29/2010

**Jackie Neckels
Supervisor**

Project Description: The proposed power line would be totally within the ROW Reservation for the corrals. The ROW requested is 20' wide, 4465' long consisting of 2.01 acres. Approximately 4225' will be above-ground on 14 wood poles and 4 guy anchors from the road to the well and 240' will be and underground spur with a pad mounted transformer to provide power to the chutes, tack building, etc. Spans will be approximately 330' long with a minimum of 18' clearance. A ground wire will be mounted at the top to provide lightning protection. The power line will be raptor-proof and use non-specular wire. See attached Plan of Development (POD).

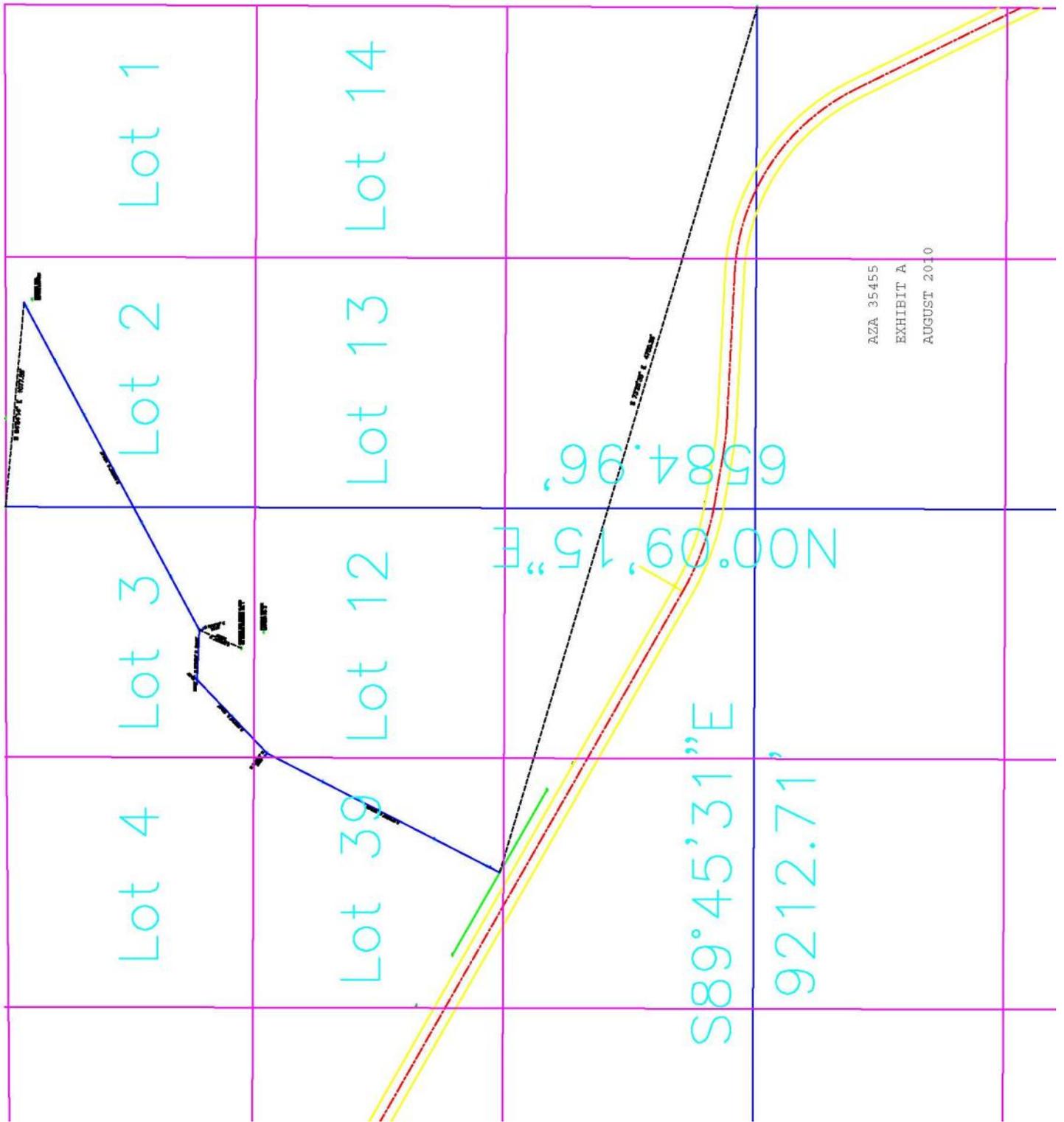
Decision: Based on a review of the project described above and field office staff recommendations, I have determined that the project is in conformance with the land use plan and is categorically excluded from further environmental analysis. It is my decision to approve the action as proposed, subject to the Exhibits shown below.

Approved By: /s/ Jackie Neckels **Date:** 09/29/2010

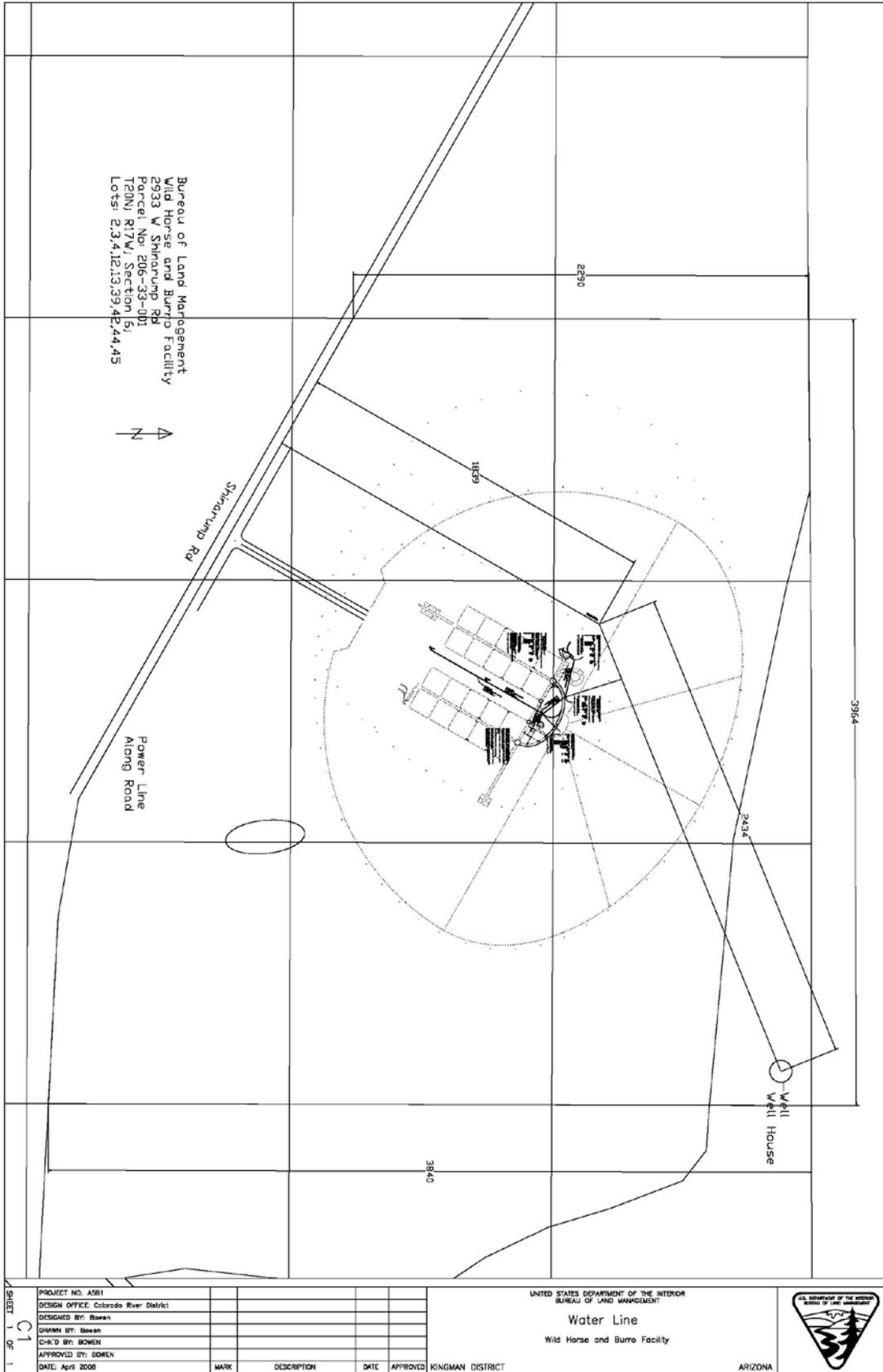
**Jackie Neckels
Assistant Field Manager, Nonrenewable Resources**

Exhibits:

- A. Diagram
- B. POD



AZA 35455
 EXHIBIT A
 AUGUST 2010



**PLAN OF
DEVELOPMENT**
UNS ELECTRIC, INC.
BLM CORRALS - 12kv POWERLINE AZA-35455
AUGUST 2010

1. Purpose and Need for Right-of-Way

The Applicant, UNS Electric, Inc. (UNSE) has applied for a 12 kV overhead single phase electric distribution power line right-of-way in the Golden Valley area of Mohave County, Arizona. UNSE plans to install the power line to provide power to Federal land for service to a BLM corral site and water well.

2. Location

The power line will be located on Federal land identified as T. 20 N., R. 17 W., Section 6, Gila and Salt River Meridian, Mohave County, Arizona as shown on Exhibit A & described on Exhibit B.

3. Design Factors

- a. The power line will be a single phase, 12 kV power line -- 20 feet wide, 4465 feet long consisting of 14 40 foot class 4 wood poles and 4 guy anchors and 240 feet of underground line with a pad mounted transformer at the end of the underground route. All ROW is on Federal land consisting of 2.01 acres. The power line has been designed to be raptor proof as shown on Exhibit D -- pole configuration -- and non-specular wire will be used. Spans will be approximately 330 feet long and the lowest of the wires will be a minimum of 18 feet above ground level. A ground wire located at the top of each pole will provide lightning protection.
- b. Soils and geology in the area are suitable for placement of the power line. In most cases a soils report is not necessary for a distribution line.
- c. No fencing, welding, concrete work, permanent foundations, or road building on Federal Lands will be required. Trenching for the underground line portion is to be provided by the applicant, in this case the BLM. The poles will be laid out in the right of way as part of the

construction of the line. Existing roads and minimal overland travel parallel to the right of way will be used for access. No regular maintenance will be required and installation will be completed within seven (7) working days.

4. Additional Components

The source of the 12 kV power line is an existing 20.8 kV power line in T. 20 N., R. 17 W., Section 6 paralleling Shinarump Road. There will not be any substations required for this power line. Access will be along existing roads and some overland travel adjacent to the right of way. No communication facilities are needed to operate this power line. No storage areas are needed.

5. Government Agencies Involved

There are no other Federal or State permits required for this power line.

6. Construction of Facilities

- a. Once all permits and easements have been acquired, the job will be released to construction. The construction process will take approximately 7 days. A digger truck will be used to auger the holes, approximately seven feet deep and 24" in diameter. The holes will be covered by a wood platform (ends from empty conductor reels) until the poles are placed in them. A line crew will attach the necessary hardware to the pole ends, and then place the poles, tamping the loose dirt around the poles to secure them. The guy anchor rods are also placed and dirt tamped to secure the anchor plate. The conductor wires will be strung and tensioned and the connection will be made at the source to energize the line.
- b. The construction crew will consist of a digger truck with 2 personnel. The line crew typically consists of one bucket truck and a standard pick up truck. Both the digger truck and bucket trucks are 10 wheeled vehicles with 2 rear dual axles. No backhoe is anticipated unless rock is encountered. A trailer with conductor reels will also be used. Vehicles that may be used from out of state will be power washed to reduce the spread of noxious weeds.
- c. Construction of the underground line is as follows. The applicant will provide a trench 59 inches in depth into which a 2 inch conduit will be placed. The conduit will have a pull string used to pull in the 1/0 AL15

aluminum conductor for the length of the conduit and 24 inch sweeps at the conduit ends. One sweep will exit into the pad mount transformer and the other end will end at the base of a 'dip pole' where the power line will run up the side of the pole to a connection at the pole top. The wires running up the pole will be protected by a covering called a 'U-guard' which is of similar material to the conduit.

- d. The applicant will provide a 4l x 5w x 3h foot hole to UNSE specs for placement of the pad mounted 50kva transformer. The transformer is approximately 4x4 feet in size and sits on a 4x5x3 foot 'basement' made of fiberglass.
- e. Vegetation such as cactus, Joshua trees, yucca, will be avoided if possible and transplanted if avoidance is not feasible.
- f. UNSE construction crews adhere to all applicable OSHA standards. This includes personal protective equipment [PPE] and operating equipment. A tailboard meeting discussing the scope of the job is held before any construction is commenced to discuss aspects of the project and review any mitigation and safety concerns about individual projects.
- g. Disposal of all liquid or solid waste produced during operation of this right-of-way shall be in an approved manner so it will not impact the air, soil, water, vegetation, and animals. Construction sites shall be maintained in a sanitary condition at all times; waste materials at those sites shall be disposed of promptly at an appropriate waste disposal site. "Waste" means all discarded matter including, but not limited to, human waste, trash, garbage, refuse, oil drums, petroleum products, ashes, and equipment.
- h. UNSE shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, Holder(s) shall comply with the Toxic Substances Control Act of 1976, as amended (15 U.S.C. 2601, et seq.) with regard to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response,

Compensation and Liability Act of 1980, Section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release of spill of any toxic substances shall be furnished to the Authorized Officer concurrent with the filing of the reports to the involved Federal agency or State government.

7. Resource Values and Environmental Concerns

- a. Since this is a Federal project the BLM will handle the cultural and biological surveys needed to clear the site.

If during construction any previously unidentified historic or prehistoric cultural resources are found, then work in the vicinity of the discovery will be suspended and the discovery promptly reported to the BLM Area Manager. BLM will then specify what action is to be taken. If there is an approved "discovery plan" in place for the project, then the plan will be executed. In the absence of an approved plan, the BLM will evaluate the significance of the discovery, and consult with the State Historic Preservation Officer in accordance with 36 CFR Section 800.11. Minor recordation, stabilization, or data recovery may be performed by BLM or a permitted cultural resources consultant. If warranted, more extensive treatment by a permitted cultural resources consultant may be required of the operator prior to allowing the project to proceed. Further damage to significant cultural resources will not be allowed until any required treatment is completed. Failure to notify the BLM about a discovery may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act of 1979 (as amended).

8. Stabilization and Rehabilitation

- a. Disturbed areas around the poles and guy anchors will be raked to scarified and allow natural seeding to occur.

9. Operation and Maintenance

Regular maintenance of UNSE facilities consists of patrolling the distribution lines on an annual basis. A service truck is dispatched to investigate on an as-needed basis, typically if a customer complains of irregular service.

10. Termination and Restoration

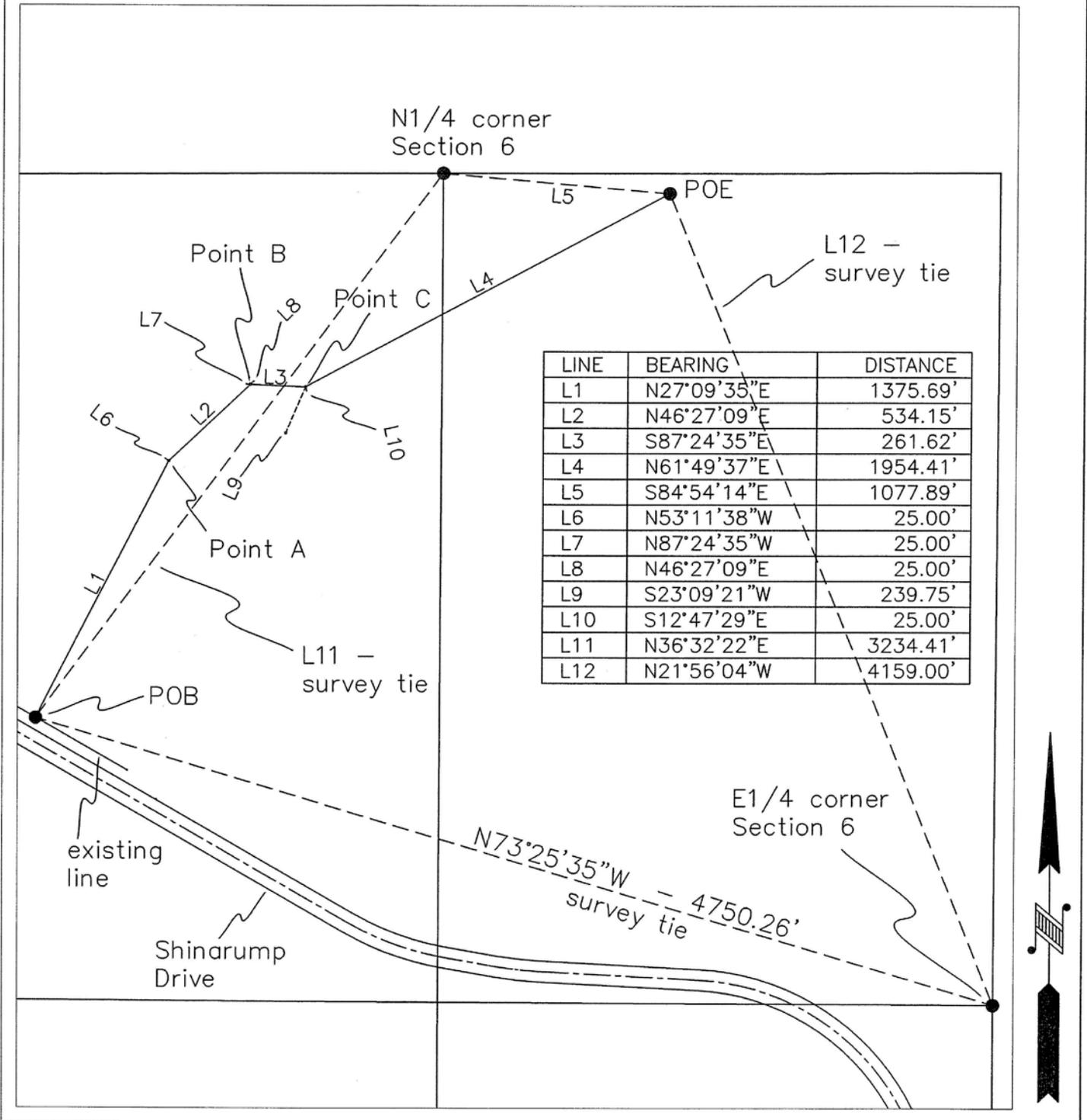
Upon termination of the right-of-way, all improvements will be removed

with ninety (90) days. Disturbed areas will be ripped to a depth of 2” to promote natural seeding.

UNSE acknowledges that in the event that the public land underlying the right- of-way (ROW) encompassed in this grant, or a portion thereof, is conveyed out of Federal ownership and administration of the ROW or the land underlying the ROW is not being reserved to the United States in the patent/deed and/or the ROW is not within a ROW corridor being reserved to the United States in the patent/deed, the United States waives any right it has to administer the right-of- way, or portion thereof, within the conveyed land under Federal laws, statutes, and regulations, including the regulations at 43 CFR Part 2800, including any rights to have the holder apply to BLM for amendments, modifications, or assignments and for BLM to approve or recognize such amendments, modifications, or assignments. At the time of conveyance, the patentee/grantee, and their successors and assigns, shall succeed to the interests of the United States in all matters relating to the right-of-way, or portion thereof, within the conveyed land and shall be subject to applicable State and local government laws, statutes, and ordinances. After conveyance, any disputes concerning compliance with the use and the terms and conditions of the ROW shall be considered a civil matter between the patentee/grantee and the ROW Holder.

Exhibit A
 UNS ELECTRIC, INC.
 Utility Easement Agreement

portion of Section 6,
 Township 20 North, Range 17 West,
 Gila & Salt River Meridian, Mohave County, Arizona.



UNS Electric, Inc. Utility
Easement Agreement
Exhibit "B"

Legal description of easements:

- An easement twenty (20.0') feet in width whose centerline is described as follows.

Commencing at the East quarter (E¹/₄) corner of Section 6, Township 20 North. Range 17 West, Gila & Salt River Meridian, Mohave County, Arizona;

Thence North 73 degrees 25 minutes 35 seconds West, a distance of 4750.26 feet to a point on an existing power line, being the Point of Beginning. From said Point of Beginning the North quarter (N¹/₄) corner of said Section 6 bears North 36 degrees 32 minutes 22 seconds East, a distance of 3234.41 feet;

Thence North 27 degrees 09 minutes 35 seconds East, a distance of 1375.69 feet to a point identified as Point A;

Thence North 46 degrees 27 minutes 09 seconds East, a distance of 534.15 feet to a point identified as Point B;

Thence South 87 degrees 24 minutes 35 seconds East, a distance of 261.62 feet to a point identified as Point C;

Thence North 61 degrees 49 minutes 37 seconds East a distance of 1954.41 feet to a point being the Point of Ending or Terminus. Said Point of Ending bearing South 84 degrees 54 minutes 14 seconds East, a distance of 1077.89 feet from the North quarter (N¹/₄) corner of said Section 6 *and* North 21 degrees 56 minutes 04 seconds, a distance of 4159.0 feet from said East quarter (E¹/₄) corner of Section 6.

- An easement twenty (20.0') feet in width whose centerline is described as follows.

Beginning at Point C described above;

Thence South 23 degrees 09 minutes 21 seconds West, a distance of 239.75 feet to the Point of Ending or Terminus.

- An easement twenty (20.0') feet in width whose centerline is described as follows.

Beginning at Point A described above;

Thence North 53 degrees 11 minutes 38 seconds West, a distance of twenty-five (25.0') feet to the Point of Ending or Terminus.

- An easement twenty (20.0') feet in width whose centerline is described as follows.

Beginning at Point B described above;

Thence North 87 degrees 24 minutes 35 seconds West, a distance of twenty-five (25.0') feet to the Point of Ending or Terminus.

- An easement twenty (20.0') feet in width whose centerline is described as follows.

Beginning at Point B described above;

Thence North 46 degrees 27 minutes 09 seconds East, a distance of twenty-five (25.0') feet to the Point of Ending or Terminus.

- An easement twenty (20.0') feet in width whose centerline is described as follows.

Beginning at Point C described above;

Thence South 12 degrees 47 minutes 29 seconds East, a distance of twenty-five (25.0') feet to the Point of Ending or Terminus.

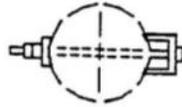
EXHIBIT C

DESERT TORTOISE HANDLING GUIDELINES

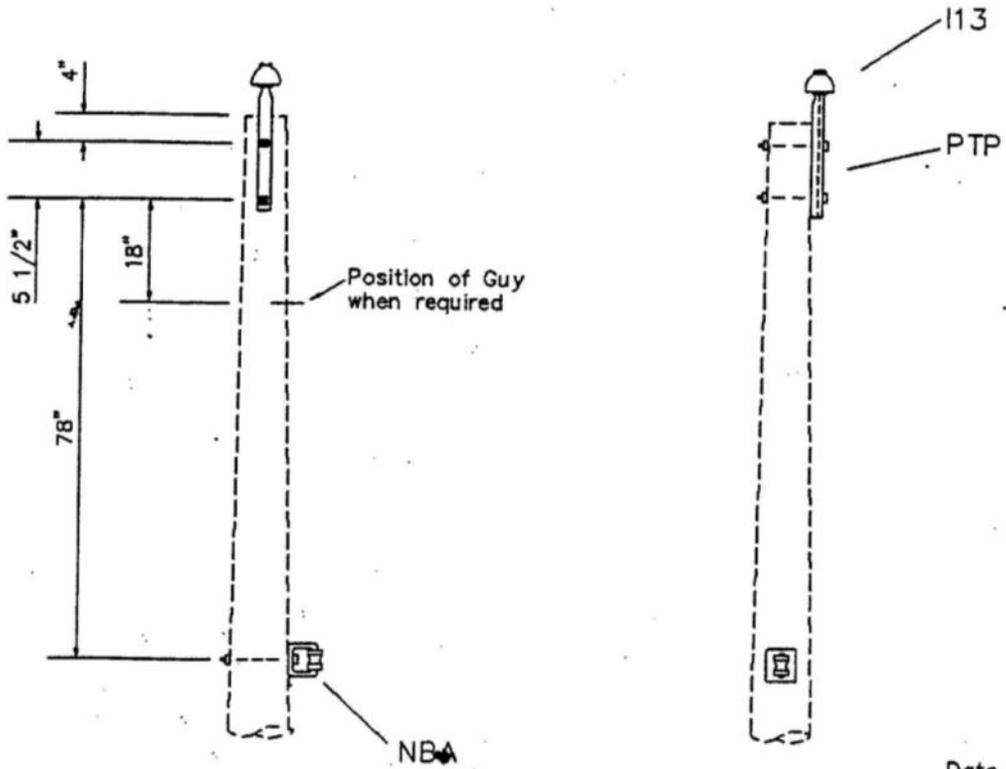
1. Stop your vehicle and allow the tortoise to move off the road.
2. If the tortoise is not moving, gently** pick up the tortoise and move it approximately 200 feet off the road to a shaded location.
 - a. Do not turn the tortoise over.
 - b. Move the tortoise in the direction it was traveling. If it was crossing the road, move it in the direction it was crossing.
 - c. Keep the tortoise within 12-18 inches of the ground, move slowly so as not to cause it to become alarmed.
 - d. Release the tortoise under the shade of a bush or rock.

** Tortoise store water in their bladder. If a tortoise becomes alarmed its defense is to void its bladder onto the captor. This could lead to dehydration of the tortoise and potentially to death.
3. Prior to moving any parked vehicle or equipment at the project site check for tortoise under the vehicles.

Exhibit D-1



POLE TOP PIN ASSEMBLY



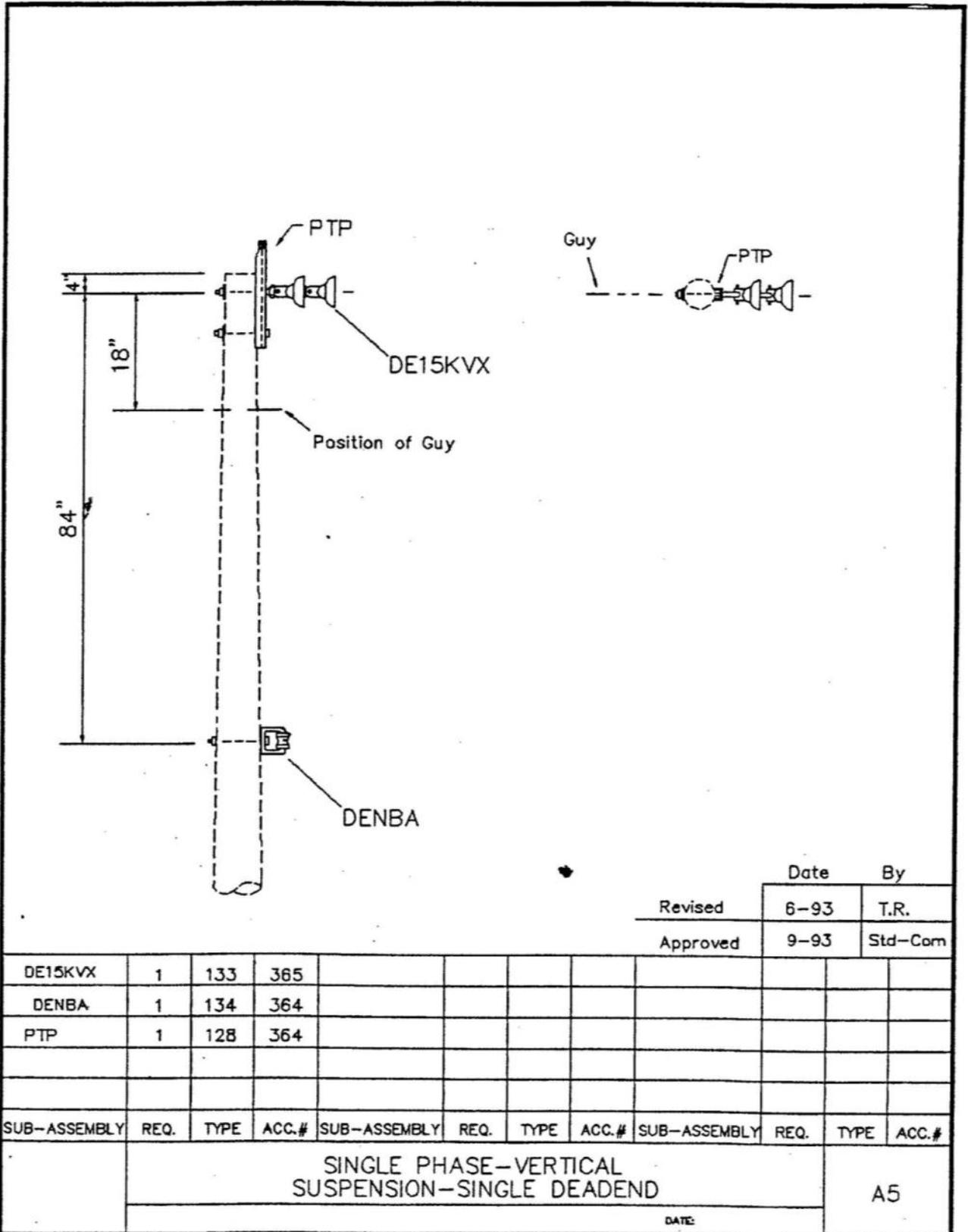
	Date	By
Revised	6-93	T.R.
Approved	9-93	Std-Corn

I13	1	131	365								
PTP	1	128	364								
NBA	1	134	364								
SUB-ASSEMBLY	REQ.	TYPE	ACC.#	SUB-ASSEMBLY	REQ.	TYPE	ACC.#	SUB-ASSEMBLY	REQ.	TYPE	ACC.#
SINGLE PHASE VERTICAL SINGLE PIN SUPPORT										A1	
										DATE: 2-13-87	

Drawn by RMR Sy-TEC

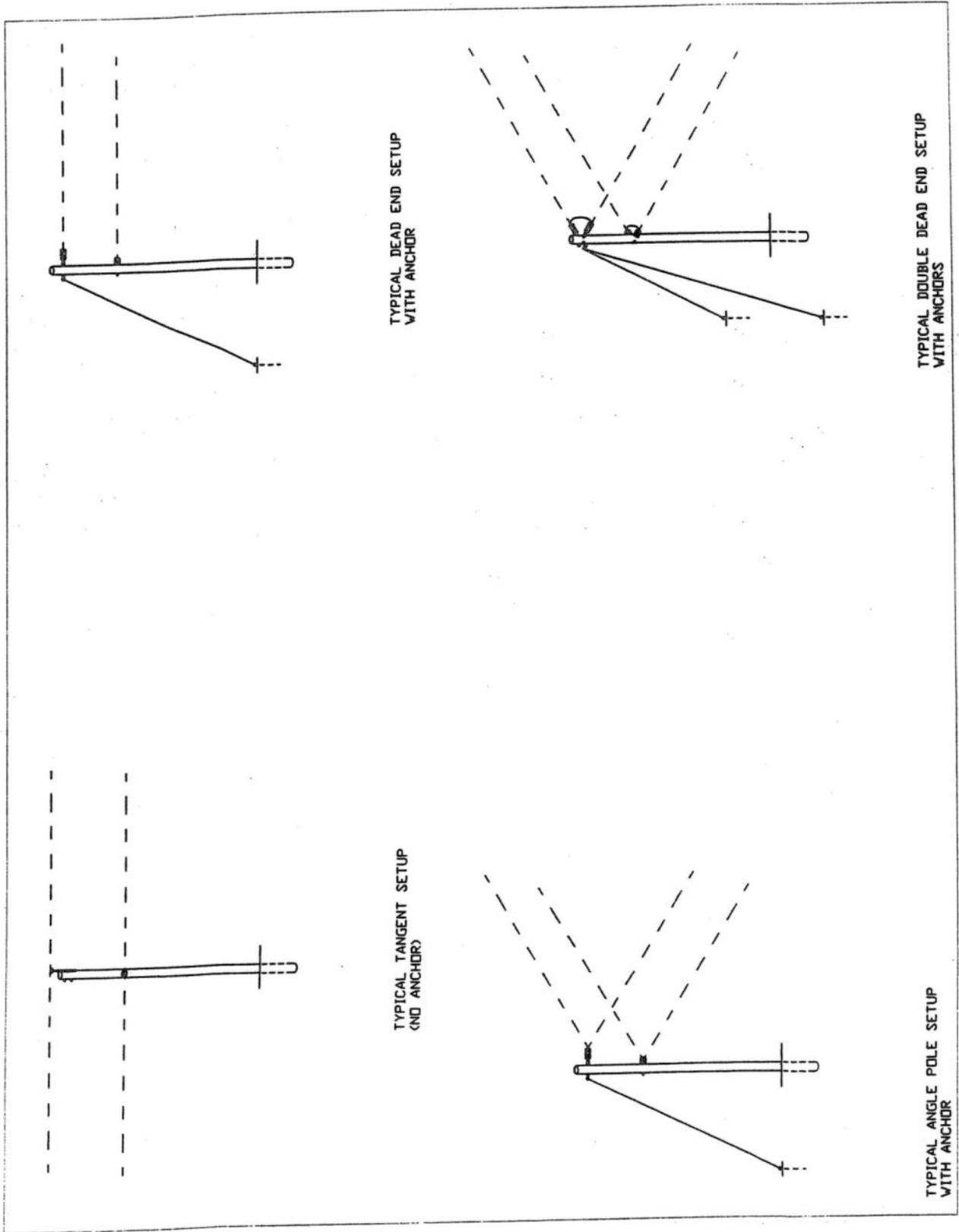
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Exhibit D-3



Drawn by R&R Sy-TEC

Exhibit D-4



TYPICAL SINGLE PHASE POLE SET UPS