Feldpausch Kyle T <Kyle.Feldpausch@srpnet.com>
Sent: Thursday, April 28, 2022 9:26 PM
To: Buckley, Maggie <Maggie.Buckley@jacobs.com>
Cc: Assenza, Adam <adam.assenza@stb.gov>
Subject: [EXTERNAL] FW: PIRATE Project 3/28/22 Meeting Follow-Up (1/3)

Hello Maggie,

I tried sending a previous email with attachments, but it looks like it got rejected by your email server presumably due to the file size. I will now try to send the attachments individually in 3 emails the hopes that you will receive them. If this does not work, I can send you the attachments another way.

Thanks,
Kyle

From: Feldpausch Kyle T
Sent: Thursday, April 28, 2022 9:20 PM
To: 'Buckley, Maggie' <Maggie.Buckley@jacobs.com>; Mullins Nina J <Nina.Mullins@srpnet.com>; Bockmann Kaye L <Kaye.Bockmann@srpnet.com>; Beilman Cherilyn C <Cherilyn.Beilman@srpnet.com>; Zahm Emily L <emily.zahm@srpnet.com>; ryan.kann@cox.com; Rousseau David <David.Rousseau@srpnet.com>; mhough@gcairoinc.com; hagenfarms.bh@gmail.com; berry@wapa.gov; George Cairo <gcairo@gcairoinc.com>; Linh Ma <lma@gcairoinc.com>; Golding, Garette (CCI-Southwest-CON) <Garette.Golding@cox.com>; PAB01-1 Coolidge (24) Public <Coolidge@srpnet.com>; O'Connor Michael J <Michael.OConnor@srpnet.com>
Cc: Assenza, Adam <adam.assenza@stb.gov>; Tabachnick, Alan <alan.tabachnick@stb.gov>; Phoebus, Elizabeth (Betsi) <Betsi.Phoebus@jacobs.com>; Bushey, Sabra <Sabra.Bushey@jacobs.com>; Luhnow, Glennda <Glennda.Luhnow@jacobs.com>; Campbell Ryan P <Ryan.Campbell@srpnet.com>; Martinez Yvonne G <Yvonne.Martinez@srpnet.com>
Subject: RE: PIRATE Project 3/28/22 Meeting Follow-Up

Hello Maggie,

Regarding the SRP action items, the 90% design package for Abel-Pfister-Ball 230kV has been recently completed, so we are now able to provide this information to the Pirate Rail team. Please note that the design team has been in contact with others at UPRR regarding the signal study and crossing permits with UPRR. I understand this information is for visibility of the Pirate rail design team.

1. Attachment “TRANSMISSION_48697400.pdf” is the recorded easement document for the Southeast Power Link project that crosses the proposed alignment of the PIRATE rail project. This is a 100’ wide easement abutting the east boundary of the Crimson Road Right of Way.
2. T1952486-1 (2 attachments) is the 90% drawings for the Abel-Pfister-Ball 230kV line project.
3. As you noted, the Southeast Powerlink project is still in design and we appreciate coordination efforts with Pirate Rail and private developers in the area.

I hope this information is helpful and provides resolution to the SRP action items. Please let me know if you need anything else from SRP.

Thank you,

Kyle Feldpausch
Supervisor Engineering and Design Services
SRP | Transmission Line Design | EVS119
P.O. Box 52025, Phoenix, AZ 85072-2025
P: (602) 236-6334 | **M**: (480) 208-3713

Confidentiality Notice
This message and any accompanying attachments may contain confidential and/or privileged information. The message and attachments should be read and retained by intended recipients only. If you received this message in error, please notify the sender immediately and delete the message and any attachments.

From: Buckley, Maggie <Maggie.Buckley@jacobs.com>
Sent: Thursday, April 28, 2022 3:11 PM
To: Mullins Nina J <Nina.Mullins@srpnet.com>; Bockmann Kaye L <Kaye.Bockmann@srpnet.com>; Beilman Cherilyn C <Cherilyn.Beilman@srpnet.com>; Zahm Emily L <Emily.Zahm@srpnet.com>; Feldpausch Kyle T <Kyle.Feldpausch@srpnet.com>; ryan.kann@cox.com; Rousseau David <David.Rousseau@srpnet.com>; mhough@gcairoinc.com; hagenfarms.bh@gmail.com; berry@wapa.gov; George Cairo <gcairo@gcairoinc.com>; Linh Ma <lma@gcairoinc.com>; Golding, Garette (CCI-Southwest-CON) <Garette.Golding@cox.com>; PAB01-1 Coolidge (24) Public <Coolidge@srpnet.com>; O'Connor Michael J <Michael.OConnor@srpnet.com>
Cc: Assenza, Adam <adam.assenza@stb.gov>; Tabachnick, Alan <alan.tabachnick@stb.gov>; Phoebus, Elizabeth (Betsi) <Betsi.Phoebus@jacobs.com>; Bushey, Sabra <Sabra.Bushey@jacobs.com>; Luhnow, Glennda <Glennda.Luhnow@jacobs.com>
Subject: RE: PIRATE Project 3/28/22 Meeting Follow-Up

CAUTION: This email originated from outside the organization
Beware of suspicious links, files, or requests. When in doubt report as phishing.

Hello,

The purpose of this email is to follow up on several items discussed during our meeting on March 28th. We received no comments from attendees on the meeting minutes distributed on April 13th and will now consider them final. Action items from the meeting are copied below along with a status update for each. We would appreciate your attention to those action items that are still outstanding.

Action Item	Assigned To	Status
Salt River Project (SRP) to provide the easement locations for the Southeast Power Link and Abel-Pfister-Ball transmission line projects	SRP	**Pending** – Not yet received
SRP to provide the 90% design package for the Abel-Pfister-Ball transmission line project	SRP	**Pending** – Not yet received
STB to schedule a follow-up call with SRP to discuss the proposed Southeast Power Link transmission line project	STB/Jacobs	**Pending** – STB/Jacobs will schedule once Southeast Power Link easement locations are provided by SRP

As promised, a kmz file of the alternatives is attached for your information. The kmz has two folders: one for layers that comprise each alternative and one for the proposed right-of-way and temporary construction easement layers. The alternatives layers are separated to show the various project elements: industrial lead rail line, support tracks, grading extensions, and main line track.

If you have any questions, please feel free to contact me or Adam Assenza at (202) 245-0301 or Adam.Assenza@stb.gov.

Thank you,

Maggie Buckley
O: 425.233.3117
M: 206.949.5955

From: Buckley, Maggie
Sent: Wednesday, April 13, 2022 4:20 PM
To: Mullins Nina J <Nina.Mullins@srpnet.com>; Bockmann Kaye L <Kaye.Bockmann@srpnet.com>; Beilman Cherilyn C <Cherilyn.Beilman@srpnet.com>; Zahm Emily L <Emily.Zahm@srpnet.com>; Feldpausch Kyle T <Kyle.Feldpausch@srpnet.com>; ryan.kann@cox.com; david.rousseau@srpnet.com; mhough@gcairoinc.com; hagenfarms.bh@gmail.com; berry@wapa.gov; George Cairo <gcairo@gcairoinc.com>; Linh Ma <lma@gcairoinc.com>; Golding, Garette (CCI-Southwest-CON) <Garette.Golding@cox.com>; PAB01-1 Coolidge (24) Public <Coolidge@srpnet.com>; O'Connor Michael J <Michael.OConnor@srpnet.com>
Cc: Adam.Assenza@stb.gov; Tabachnick, Alan <alan.tabachnick@stb.gov>; Betsi Phoebus (Betsi.Phoebus@jacobs.com) <Betsi.Phoebus@jacobs.com>; Bushey, Sabra <Sabra.Bushey@jacobs.com>; Luhnow, Glennda <Glennda.Luhnow@jacobs.com>
Subject: PIRATE Project 3/28/22 Meeting Minutes

Hello,

On behalf of the Surface Transportation Board (Board), meeting minutes and supporting materials are attached for the virtual meeting held on March 28, 2022, to discuss the Union Pacific Railroad Company Pecos Industrial Rail Access and Train Extension (PIRATE) project. The attached PDF contains the following for your files:

- Meeting minutes
- Sign-in sheet
- Agenda
- Meeting presentation
- Purpose and Need
- Alternatives Constraints Map

We greatly appreciate your time and participation in this meeting. If you have any questions, please contact Adam Assenza, the Board's Office of Environmental Analysis's Project Manager for this project, at (202) 245-0301 or Adam.Assenza@stb.gov. Electronic comments can be submitted at https://www.stb.gov/proceedings-actions/e-filing/ (search for STB Docket No. FD 36501).

Thank you,

Maggie Buckley | Jacobs | Environmental Project Manager (she/her)
O: 425.233.3117 | M: 206.949.5955 | maggie.buckley@jacobs.com
999 W Riverside Avenue, Suite 500 | Spokane, WA 99201 | USA

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OFFICIAL RECORDS OF
MARICOPA COUNTY RECORDER
ADRIAN FONTES
20201174037 11/30/2020 04:42
ELECTRONIC RECORDING

589225-15-1-1--
brodiek

WHEN RECORDED MAIL TO:

SALT RIVER PROJECT
Land Department/PAB350
PO Box 52025
Phoenix, Arizona 85072-2025

AFFIDAVIT EXEMPT PURSUANT TO A.R.S. §§ 11-1134(A)(2) and (A)(3)

HIGH VOLTAGE EASEMENT

Maricopa County
Parcel # 304-63-006V
W ½ SEC. 02, T02S, R07E

R/W #: Agt: AD
Job # LJ69951
W_____ C_____

SMT Investors Limited Partnership, an Arizona limited partnership as to an undivided 4.4587% interest, AN and DC Irrevocable Trust, as to an undivided 1.2354% interest, GYF Investments, LLLP, an Arizona limited liability limited partnership, as to an undivided 0.0946% interest, San Isidro Six Investments, LLC, an Arizona limited liability company, as to an undivided 0.9961% interest, SCM-Neal, LLLP, an Arizona limited liability limited partnership, as to an undivided 1.5937% interest, SCM Pendleton, LLLP, an Arizona limited liability limited partnership, as to an undivided 9.8143% interest, SCM-Wilson, LLLP, an Arizona limited liability limited partnership, as to an undivided 1.9922% interest, SCM D Hat, LLLP, an Arizona limited liability limited partnership, as to an undivided 1.1953% interest, SCM Lasky, LLLP, an Arizona limited liability limited partnership, as to an undivided 0.7969% interest, SCM Spectrum, LLLP, an Arizona limited liability limited partnership, as to an undivided 1.9922% interest, SCM-POG, LLLP, an Arizona limited liability limited partnership, as to an undivided 4.7812% interest, SCM Wayne, LLLP, an Arizona limited liability limited partnership, as to an undivided 2.3906% interest, SCM KDL, LLLP, an Arizona limited liability limited partnership, as to an undivided 1.9922% interest, Williams Gateway Land Investors, LP, an Arizona limited partnership, as to an undivided 33.3333% interest and Gateway Farms, LP, an Arizona limited partnership, as to an undivided 33.3333% interest,

hereinafter called Grantor, for and in consideration of the sum of Ten Dollars and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, does hereby grant and convey to **SALT RIVER PROJECT AGRICULTURAL IMPROVEMENT AND POWER DISTRICT**, an agricultural improvement district organized and existing under the laws of the State of Arizona, and its successors and assigns, hereinafter called Grantee, for use by Grantee and Grantee's employees, contractors, co-owners, participants, licensees, and invitees, a non-exclusive easement to construct, install, reconstruct, replace, remove, repair, operate and maintain: a line or

lines of poles, towers, or other supporting structures; conductors, cables, wires, communication and signal lines; guys, anchorage, crossarms, braces, transformers, vaults, manholes, and pad-mounted equipment; underground conduits, conductors, pipes, cables, wires; fiber optic, microwave, and antennae for communication or data transmission purposes; and other appliances, appurtenances, and fixtures (collectively, "Facilities") for the transmission and distribution of electricity, communication signals and data, and for all other purposes connected therewith at such locations and elevations in, upon, over, under, across, through and along the Easement Parcel (defined below), as Grantee may now or in the future deem convenient or necessary from time to time, together with the unrestricted right of vehicular and pedestrian access to, from, over, across, and along the Easement Parcel, including without limitation at any intersection of the Easement Parcel and a public road or right of way (collectively, the Easement).

The lands in, upon, over, across, and along which the Easement is granted are situated in the County of Maricopa, State of Arizona, and are more particularly depicted and described as:

Easement Parcel:

SEE EXHIBIT "A", attached hereto and incorporated herein with this reference

CAUTION: Facilities placed within the Easement Parcel may contain high voltage electrical equipment. Notice is given that the location of underground electrical conductors and other facilities must be verified as required by the Arizona Blue Stake Law, A.R.S. Sections 40-360.21-32, prior to any excavation. Notice is also given that any activity performed within the Easement Parcel shall comply with the Arizona Overhead Powerline Safety Law, A.R.S. Sections 40-360.41-45.

The Easement is governed by the following terms and conditions:

1. Use Approval Procedures. Grantor may, with the prior written consent of Grantee, which may be granted or denied through the exercise of Grantee's reasonable discretion, use (or permit third party use of) the Easement Parcel for specific purposes, provided it shall be deemed reasonable for Grantee to deny its consent for any use that conflicts with the Facilities or access thereto. Prior to the commencement of any construction or other development activity on, or any other use of the Easement Parcel, Grantor shall provide Grantee with plans describing Grantor's proposed use. Such plans shall include without limitation all construction and other development plans showing all proposed improvements to be located within, and activities to be conducted on the Easement Parcel, or any proposed alterations thereto. Grantor shall further obtain Grantee's written consent, in accordance with the provisions of this paragraph 1, for any use of the Easement Parcel in existence as of the recordation date of this Easement. Any Grantee consent to the use of the Easement Parcel shall be documented in writing and is hereby subject to all such uses complying with Grantee's clearance, access, and construction standards, as well as National Electrical Safety Code (NESC), Arizona law, Federal law (including OSHA), and all other applicable rules, codes or regulations.

2. Development Standards. Unless agreed to in writing in each instance, the entirety of the

Easement Parcel shall be drivable by Grantee's line maintenance vehicles. Any and all below-ground facilities located within the Easement Parcel shall be designed to meet Grantee's then current minimum loading standards. As of the recordation date, such below-ground facilities must be designed to withstand a minimum loading of 320 pounds per square inch (PSI) applied to the ground surface under a crane outrigger pad measuring 27 inches in diameter. Notwithstanding anything herein to the contrary, under no circumstances may any use of the Easement Parcel (by Grantor or any third party) interfere with Grantee's right and ability to construct, access, maintain and use the Facilities, or endanger any of the Facilities or the use thereof.

3. Prohibited Activities. Without limiting Grantee's approval rights under paragraph 1 above: (i) Grantor shall not construct, install or place, or permit to be constructed, installed or placed, any building or other structure, plant any trees, drill any well, store materials of any kind, alter the ground level, or allow the installation of utilities or private or public roadways within the Easement Parcel, or its associated airspace, but parking lot use shall be permitted, subject to compliance with Grantee's Standards, including maintaining a fifty foot (50') clear radius from Grantee's power poles;; and (ii) no plants may be installed within the Easement Parcel unless such plants are drive-over ground cover from Grantee's list of plants approved for use within easements and installed at locations prior approved in writing by Grantee. Notwithstanding the provisions of this paragraph 3, Grantor may obtain prior written approval from Grantee, in accordance with the requirements of paragraph 1, to (1) grade within the limits of the Easement Parcel or (2) install or construct perpendicular crossings of the Easement Parcel for utilities or roadways (whether public or private).

4. Fences. Grantee, at its expense, may construct, modify, and maintain access openings, at such locations and of such dimensions as solely determined by Grantee, in all existing fences and walls across or within the Easement Parcel and may construct, maintain, and use gates in all existing walls and fences. If Grantor constructs fences or walls across the Easement Parcel, Grantor shall, at its expense, provide Grantee with openings at locations and of such dimensions as solely determined by Grantee. Grantor, at its expense, may install gates across such openings and, if such gates are locked, shall install a multiple locking device, accessible by both Grantor and Grantee. Nothing set forth in this paragraph 4 restricts or otherwise modifies Grantee's approval rights under paragraph 1, and Grantor shall obtain prior written approval for any existing or proposed fences and walls within the Easement Parcel.

5. Vegetation. Grantee shall have the right (but not the obligation) to trim, cut and clear away trees, brush or other vegetation on, or which encroaches into, the Easement Parcel, whenever in its judgment the same shall be necessary for Grantee's use, operation or maintenance of, or access to the Facilities, or for safety or system reliability reasons.

6. Perpetual Nature of Easement. The Easement, and Grantee's rights hereunder, shall be perpetual, and shall not terminate until, and unless abandoned through the recordation of a document formally abandoning the Easement, which references this instrument and is executed and acknowledge by Grantee. Upon such recordation, all Grantee's rights hereunder shall cease, except the right to remove any and all property placed upon the Easement Parcel within a reasonable time subsequent to such abandonment.

7. Successors and Assigns. The benefits and burdens, and the covenants and agreements herein

set forth shall run with and burden the land and shall extend and inure in favor and to the benefit of, and shall be binding on Grantor and Grantee and their successors and assigns. Grantee shall have the right to assign the Easement, in whole or in part, to one or more assignees, and upon an assignment, such assignee hereby assumes the rights and obligations of the Grantee hereunder with respect to the portion of the Easement assigned.

8. Rights and Remedies Cumulative. The rights and remedies hereunder are cumulative, and the exercise of any one or more of such rights or remedies shall not preclude the exercise, at the same or different times, of any other right or remedy available.

9. Private Use. The provisions of this Easement Agreement are not intended to and do not constitute a public utility easement or any other grant, dedication, or conveyance for public use of the Easement Parcel.

10. Restoration of Premises. Except as otherwise agreed to by Grantor in writing, Grantee, by accepting and utilizing this easement, agrees to restore the affected ground within the Easement Parcel to as close to original grade and condition as is reasonably practicable following any Grantee excavation, at the expense of Grantee.

REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK

IN WITNESS WHEREOF, the respective GRANTORS, have caused their names to be executed by their duly authorized representative(s), this 2nd day of November, 2020.

SMT Investors Limited Partnership
an Arizona limited partnership
By: CCT Investors, LLC
an Arizona limited liability company
Its General Partner
By: Cowley Companies, Inc.,
an Arizona corporation
Its Manager

By: _____
Michael T. Cowley, President

GYF Investments, LLLP
an Arizona limited liability limited partnership
By: CCT Investors, LLC
an Arizona limited liability company
Its General Partner
By: Cowley Companies, Inc.,
an Arizona corporation
Its Manager

By: _____
Michael T. Cowley, President

SCM -Neal, LLLP
an Arizona limited liability limited partnership
By: Strategic Capital Management, LLLP
an Arizona limited liability limited partnership
Its General Partner
By: Strategic Capital Management AZ, LLC
an Arizona limited liability company
Its General Partner
By: Emerson Investments, LLC
an Arizona limited liability company
Its Member

By: _____
Michael T. Cowley, Member

SCM Pendleton, LLLP
an Arizona limited liability limited partnership
By: Strategic Capital Management, LLLP
an Arizona limited liability limited partnership
Its General Partner
By: Strategic Capital Management AZ, LLC
an Arizona limited liability company
Its General Partner
By: Emerson Investments, LLC
an Arizona limited liability company
Its Member

By: _____
Michael T. Cowley, Member

SCM -Wilson, LLLP
an Arizona limited liability limited partnership
By: Strategic Capital Management, LLLP
an Arizona limited liability limited partnership
Its General Partner
By: Strategic Capital Management AZ, LLC
an Arizona limited liability company
Its General Partner
By: Emerson Investments, LLC
an Arizona limited liability company
Its Member

By: _____
Michael T. Cowley, Member

SCM D Hat, LLLP
an Arizona limited liability limited partnership
By: Strategic Capital Management, LLLP
an Arizona limited liability limited partnership
Its General Partner
By: Strategic Capital Management AZ, LLC
an Arizona limited liability company
Its General Partner
By: Emerson Investments, LLC
an Arizona limited liability company
It's Member

By: _____
Michael T. Cowley, Member

SCM Lasky, LLLP
an Arizona limited liability limited partnership
By: Strategic Capital Management, LLLP
an Arizona limited liability limited partnership
Its General Partner
By: Strategic Capital Management AZ, LLC
an Arizona limited liability company
Its General Partner
By: Emerson Investments, LLC
an Arizona limited liability company
Its Member

By: _____
Michael T. Cowley, Member

SCM Spectrum, LLLP
an Arizona limited liability limited partnership
By: Strategic Capital Management, LLLP
an Arizona limited liability limited partnership
Its General Partner
By: Strategic Capital Management AZ, LLC
an Arizona limited liability company
Its General Partner
By: Emerson Investments, LLC
an Arizona limited liability company
Its Member

By: _____
Michael T. Cowley, Member

SCM-POG, LLLP
an Arizona limited liability limited partnership
By: Strategic Capital Management, LLLP
an Arizona limited liability limited partnership
Its General Partner
By: Strategic Capital Management AZ, LLC
an Arizona limited liability company
Its General Partner
By: Emerson Investments, LLC
an Arizona limited liability company
Its Member

By: _____
Michael T. Cowley, Member

SCM Wayne, LLLP
an Arizona limited liability limited partnership
By: Strategic Capital Management, LLLP
an Arizona limited liability limited partnership
Its General Partner
By: Strategic Capital Management AZ, LLC
an Arizona limited liability company
Its General Partner
By: Emerson Investments, LLC
an Arizona limited liability company
Its Member

By: _____
Michael T. Cowley, Member

SCM KDL, LLLP
an Arizona limited liability limited partnership
By: Strategic Capital Management, LLLP
an Arizona limited liability limited partnership
Its General Partner
By: Strategic Capital Management AZ, LLC
an Arizona limited liability company
Its General Partner
By: Emerson Investments, LLC
an Arizona limited liability company
Its Member

By: _____
Michael T. Cowley, Member

STATE OF ARIZONA)
) ss.
County of Maricopa)

The foregoing was acknowledged before me this 2nd day of November 2020 by **Michael T. Cowley** (1) as the President of Cowley Companies, Inc., an Arizona corporation, in its capacity as the Manager of CCT Investors, LLC, an Arizona limited liability company, in its capacity as the General Partner of (a) **SMT Investors Limited Partnership**, an Arizona limited partnership, and (b) **GYF Investments, LLLP**, an Arizona limited liability limited partnership; and (2) as a Member of Emerson Investments, LLC, in its capacity as a member of Strategic Capital Management AZ, LLC, an Arizona limited liability company, the General Partner of Strategic Capital Management, LLLP, an Arizona limited liability limited partnership, in its capacity as the General Partner of (a) **SCM -Neal, LLLP**, an Arizona limited liability limited partnership, (b) **SCM Pendleton, LLLP,** an Arizona limited liability limited partnership, (c) **SCM -Wilson, LLLP,** an Arizona limited liability limited partnership, (d) **SCM D Hat, LLLP,** an Arizona limited liability limited partnership, (e) **SCM Lasky, LLLP,** an Arizona limited liability limited partnership, (f) **SCM Spectrum, LLLP,** an Arizona limited liability limited partnership, (g) **SCM-POG, LLLP,** an Arizona limited liability limited partnership, (h) **SCM Wayne, LLLP,** an Arizona limited liability limited partnership, and (i) **SCM KDL, LLLP,** an Arizona limited liability limited partnership, on behalf thereof.

Notary Public

My Commission Expires: 3/16/21

RORY BLAKEMORE
Notary Public - Arizona
MARICOPA COUNTY
My Commission Expires
MARCH 16, 2021

IN WITNESS WHEREOF, *~~REEB CAPITAL I, LLC, an Arizona limited liability company,~~ has caused its name to be executed by its duly authorized representative(s), this 3 day of November, 2020.

*Williams Gateway Land Investors, LP an Arizona limited partnership and Gateway Farms, L.P., an Arizona limited Partnership

Williams Gateway Land Investors, LP
an Arizona limited partnership
By: Reeb Capital I, LLC
an Arizona limited liability company
Its: General Partner

By: _____
Mark Reeb, Manager

Gateway Farms, L.P.,
an Arizona limited partnership
By: Vista Capital Group, LLC,
an Arizona limited liability company
Its: General Partner

By: _____
Mark Reeb, Member

STATE OF ARIZONA)
) ss
County of Maricopa)

The foregoing instrument was acknowledged before me this 3 day of November, 2020, by Mark Reeb, who acknowledged himself to be (1) the Manager of Reeb Capital I, LLC, an Arizona limited liability company, the General Partner of Williams Gateway Land Investors, LP, an Arizona limited partnership, and (2) a Member of Vista Capital Group, LLC, an Arizona limited liability company, the General Partner of Gateway Farms, L.P., an Arizona limited partnership, on behalf thereof.

Dianne L. Evenson
Notary Public

DIANNE L EVENSON
Notary Public – Arizona
Maricopa County
My Comm. Expires Apr 25, 2021

My Commission Expires:
4-25-21

IN WITNESS WHEREOF, **SAN ISIDRO SIX INVESTMENTS, LLC, an Arizona limited liability company,** has caused its name to be executed by its duly authorized representative(s), this 2nd day of November, 2020.

San Isidro Six Investments, LLC,
an Arizona limited liability company

By: _____
Michael Norberg, Manager

STATE OF ARIZONA)
) ss.
County of Maricopa)

The foregoing was acknowledged before me this 2nd day of November, 2020, by Michael Norberg, the Manager of San Isidro Six Investments, LLC, an Arizona limited liability company, on behalf thereof.

_____
Notary Public

My Commission Expires: 3/16/21

RORY BLAKEMORE
Notary Public - Arizona
MARICOPA COUNTY
My Commission Expires
MARCH 16, 2021

IN WITNESS WHEREOF, **AN AND DC IRRECVOCABLE TRUST, an Arizona Trust,** has caused its name to be executed by its duly authorized representative(s), this 2nd day of November, 2020.

AN and DC Irrevocable Trust, an Arizona Trust

By: _____
Gregory Y. Fletcher, Trustee

By: _____
Suzette C. Tyler, Trustee

STATE OF ARIZONA)
) ss.
County of Maricopa)

The foregoing was acknowledged before me this 2nd day of November, 2020, by Gregory Y. Fletcher, in his capacity as a trustee of the AN and DC Irrevocable Trust, on behalf thereof.

_____
Notary Public

My Commission Expires: 3/16/21

RORY BLAKEMORE
Notary Public - Arizona
MARICOPA COUNTY
My Commission Expires
MARCH 16, 2021

STATE OF ARIZONA)
) ss.
County of Maricopa)

The foregoing was acknowledged before me this 2nd day of November, 2020, by Suzette C. Tyler, in her capacity as a trustee of the AN and DC Irrevocable Trust, on behalf thereof.

_____
Notary Public

My Commission Expires: 3/16/21

RORY BLAKEMORE
Notary Public - Arizona
MARICOPA COUNTY
My Commission Expires
MARCH 16, 2021

Note: This instrument is exempt from the real estate transfer fee and affidavit of legal value required under A.R.S. Sections 11-1132 and 11-1133 pursuant to the exemptions set forth in A.R.S. Sections 11-1134(A)(2) and (A)(3).

Legal Approved Form_06-24-2019_mcm

EXHIBIT"A"

SRP JOB NUMBER: 19-0254-TD **DATE: 01-14-2020**
SRP JOB NAME: SOUTHEAST POWER LINK 230 KV **PAGE: 1 OF 3**

AN EASEMENT LOCATED IN THE WEST HALF OF SECTION 2, TOWNSHIP 2 SOUTH, RANGE 7 EAST, OF THE GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 2, BEING A COTTON PICKER SPINDLE, FROM WHICH THE NORTH QUARTER CORNER OF SAID SECTION 2, BEING AN ALUMINUM CAP FLUSH, BEARS SOUTH 89 DEGREES 26 MINUTES 06 SECONDS EAST, A DISTANCE OF 2643.79 FEET **(BASIS OF BEARINGS)**;

THENCE ALONG THE NORTH LINE OF SAID SECTION 2, SOUTH 89 DEGREES 26 MINUTES 06 SECONDS EAST, A DISTANCE OF 65.01 FEET;

THENCE SOUTH 00 DEGREES 36 MINUTES 22 SECONDS EAST, A DISTANCE OF 33.01 FEET TO THE NORTHERLY PROPERTY LINE OF THE PROPERTY DESCRIBED IN DOCUMENT 2013-0089080 PER MARICOPA COUNTY RECORDS, AND THE **POINT OF BEGINNING**;

THENCE ALONG SAID PROPERTY LINE, SOUTH 89 DEGREES 26 MINUTES 06 SECONDS EAST, A DISTANCE OF 100.02 FEET;

THENCE DEPARTING SAID PROPERTY LINE SOUTH 00 DEGREES 36 MINUTES 22 SECONDS EAST, A DISTANCE OF 2615.70 FEET;

THENCE SOUTH 00 DEGREES 39 MINUTES 04 SECONDS EAST, A DISTANCE OF 2612.98 FEET, TO A POINT ON THE SOUTH LINE OF SAID PROPERTY;

THENCE ALONG SAID PROPERTY LINE, NORTH 89 DEGREES 43 MINUTES 08 SECONDS WEST, A DISTANCE OF 100.01 FEET;

THENCE DEPARTING SAID PROPERTY LINE NORTH 00 DEGREES 39 MINUTES 04 SECONDS WEST, A DISTANCE OF 2611.39 FEET;

THENCE NORTH 00 DEGREES 36 MINUTES 22 SECONDS WEST, A DISTANCE OF 2617.79 FEET TO SAID PROPERTY LINE AND **POINT OF BEGINNING.**

SAID EASEMENT CONTAINS AN AREA OF 522,892.8 SQUARE FEET, OR 12.00 ACRE(S), MORE OR LESS

END OF DESCRIPTION

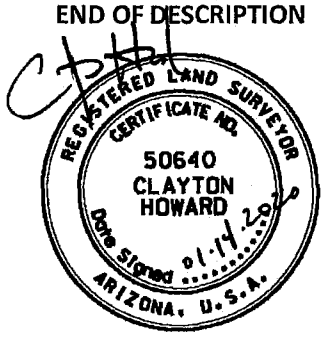
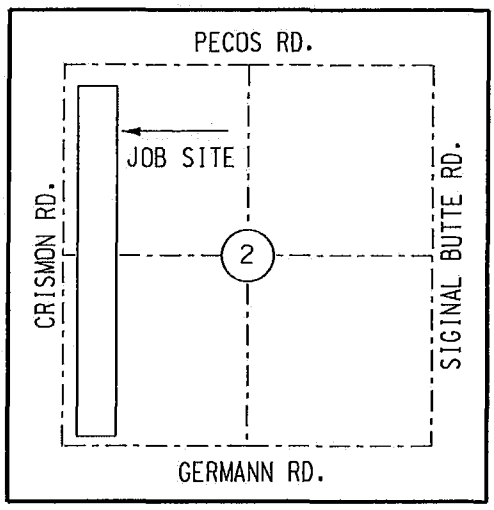


EXHIBIT "A"



VICINITY MAP (NTS)
T2S, R7E
G&SRM



LEGEND

- SECTION AND CENTERLINE
- PROPERTY LINE
- LIMITS OF EASEMENT
- SECTION CORNER AS NOTED
- CALCULATED POSITION



BASIS OF BEARINGS:
THE ARIZONA STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83 DATUM.

ABBREVIATION TABLE

APN	ASSESSOR'S PARCEL NUMBER
BCHH	BRASS CAP IN HAND HOLE
ACF	ALUMINUM CAP FLUSH
RB	REBAR
CPS	COTTON PICKER SPINDLE
FND	FOUND
MCR	MARICOPA COUNTY RECORDER
NTS	NOT TO SCALE
CNR	CORNER
LVI	LAST VISUAL INSPECTION
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT

CAUTION

THE LOCATION AS HEREON DELINEATED MAY CONTAIN HIGH VOLTAGE ELECTRICAL EQUIPMENT, NOTICE IS HEREBY GIVEN THAT THE LOCATION OF UNDERGROUND ELECTRICAL CONDUCTORS OR FACILITIES MUST BE VERIFIED AS REQUIRED BY ARIZONA REVISED STATUTES, SECTION 40-380.21, ET. SEQ., ARIZONA BLUE STAKE LAW, PRIOR TO ANY EXCAVATION.

NOTES

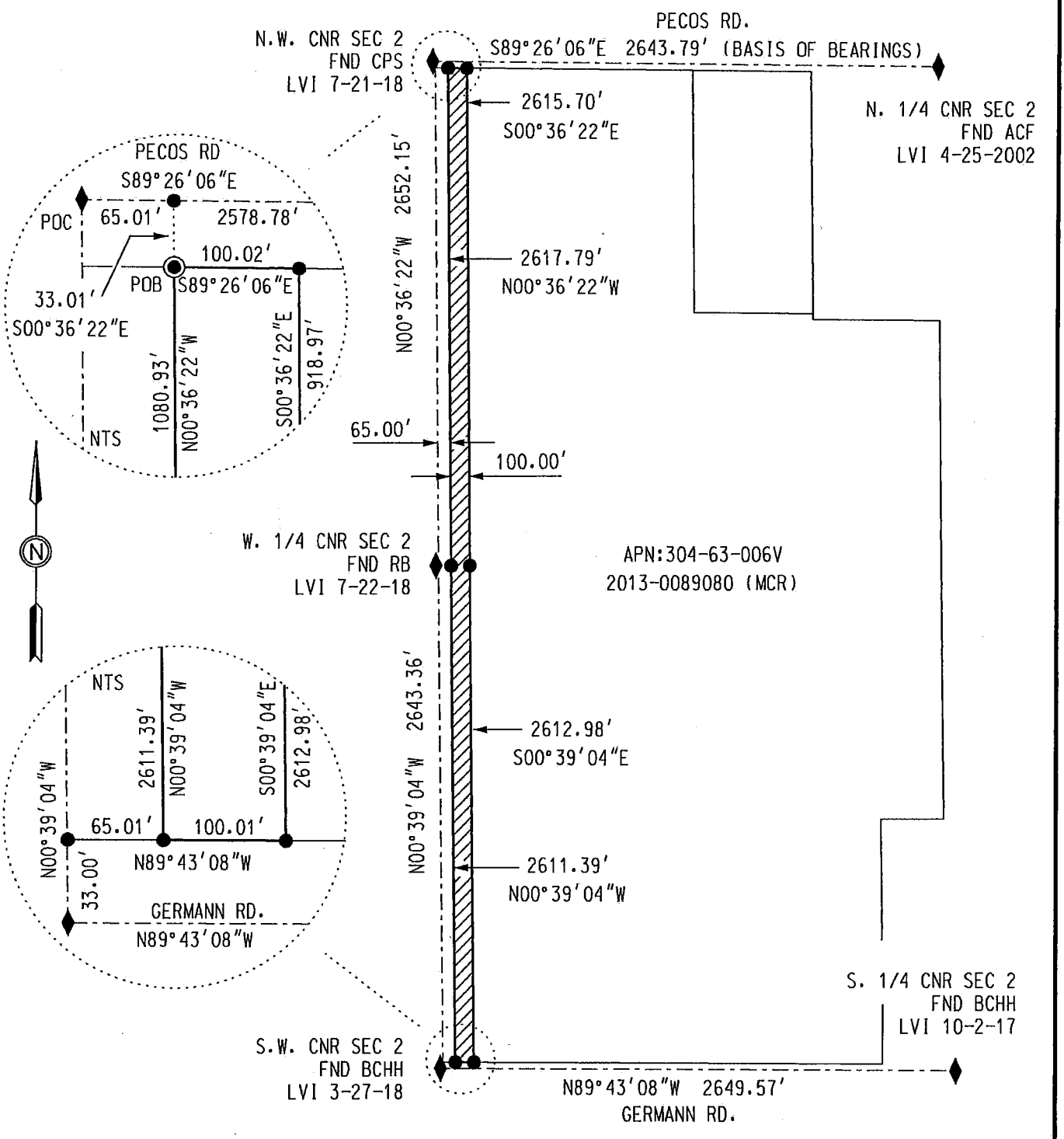
ALL PARCELS SHOWN WERE PLOTTED FROM RECORD INFORMATION,
AND NO ATTEMPT HAS BEEN MADE TO VERIFY THE LOCATION OF ANY BOUNDARIES SHOWN.
THIS IS NOT AN ARIZONA BOUNDARY SURVEY.

SALT RIVER PROJECT AGRICULTURAL IMPROVEMENT & POWER DISTRICT	
SRP LDWR NUMBER: 19-0254-TD	SCALE: NTS
I.O. NUMBER: T3135615	SHEET: 2 OF 3
AGENT: LAURENCE	SHEET SIZE: 8.5"x11"
DRAWN: LEONARD	REVISION: 1
CHECKED BY: HOWARD	CREW CHIEF: LEONARD
DATE: 01-14-2020	FIELD DATE: 6-24-2019

SURVEY DIVISION
LAND DEPARTMENT

S.E. POWER LINK
WEST 1/2 SEC 2
T.2.S., R.7 E

EXHIBIT "A"

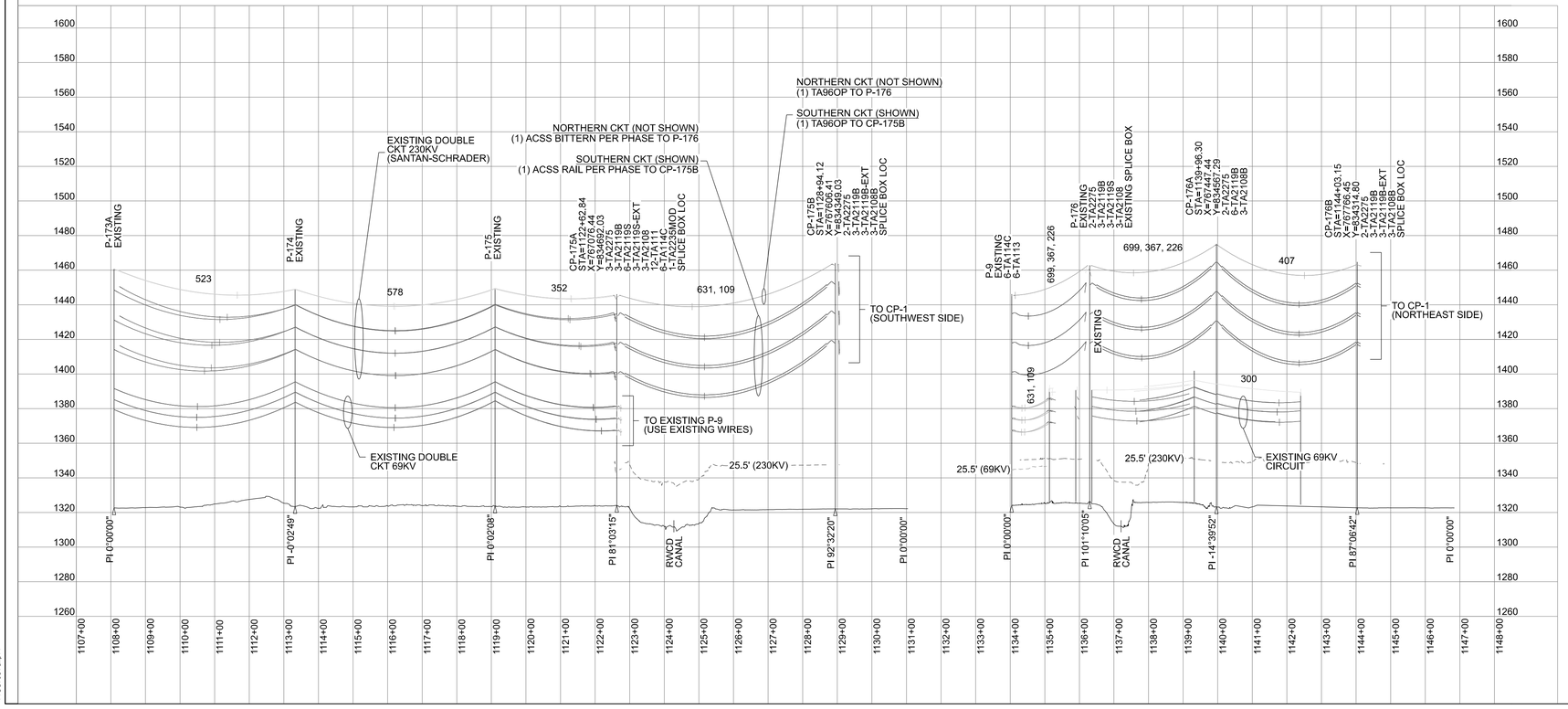


SALT RIVER PROJECT AGRICULTURAL IMPROVEMENT & POWER DISTRICT	
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LEGEND

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- OVERHEAD GUY
- REMOVAL MARKS
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- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811 BLUE STAKE, INC.

Call 811 or click Arizona811.com

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:

DSGN/ENGR: TODD GARDNER	
OFFICE: (713) 208-9995	
MOBILE: N/A	
PROJ. LEAD: KYLE FELDPAUSCH	
OFFICE: (602) 236-6334	
MOBILE: (480) 208-3713	

200.0 FT. HORIZ. SCALE

40.0 FT. VERT. SCALE

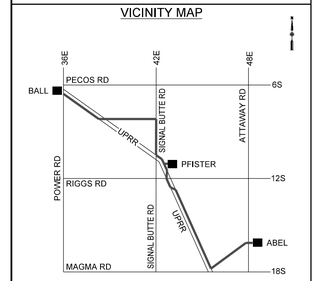
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CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

SKP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486 SHEET: 32 OF 53

DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$$$date$$$$



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BY:	
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- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

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40.0 FT. VERT. SCALE

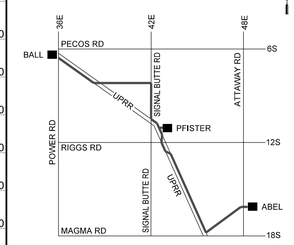
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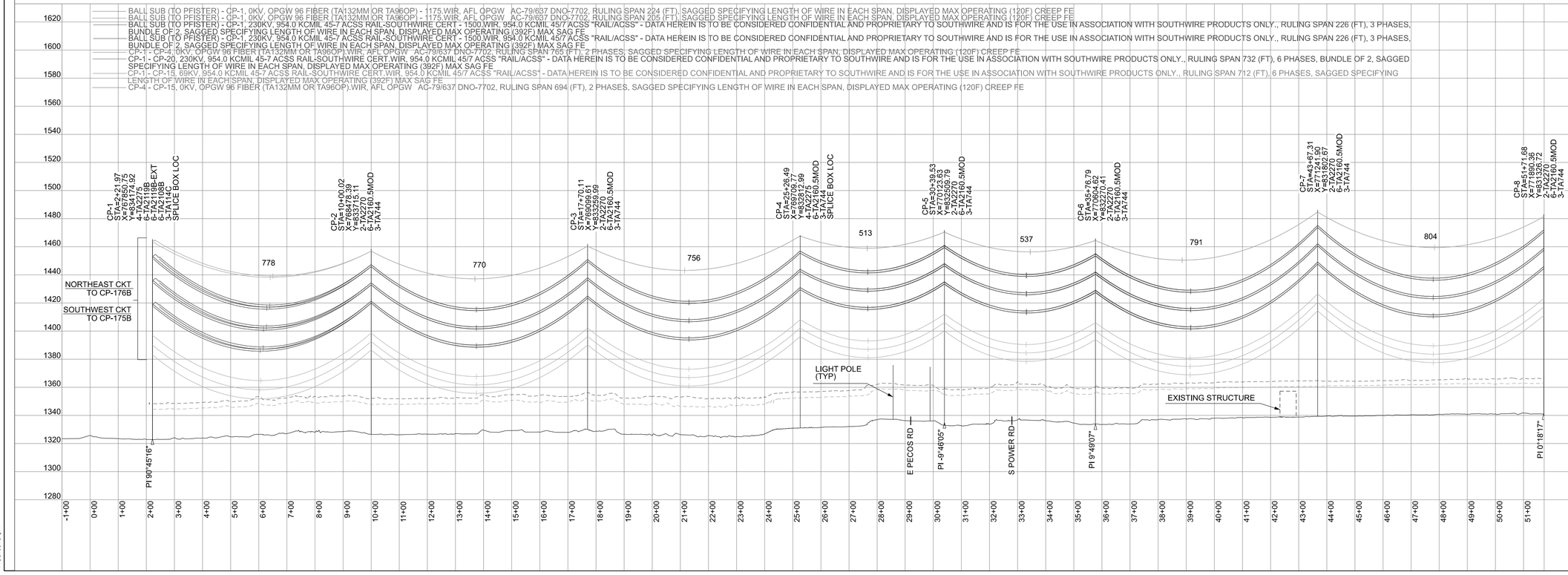
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CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE



PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

TRANSMISSION LINE DESIGN

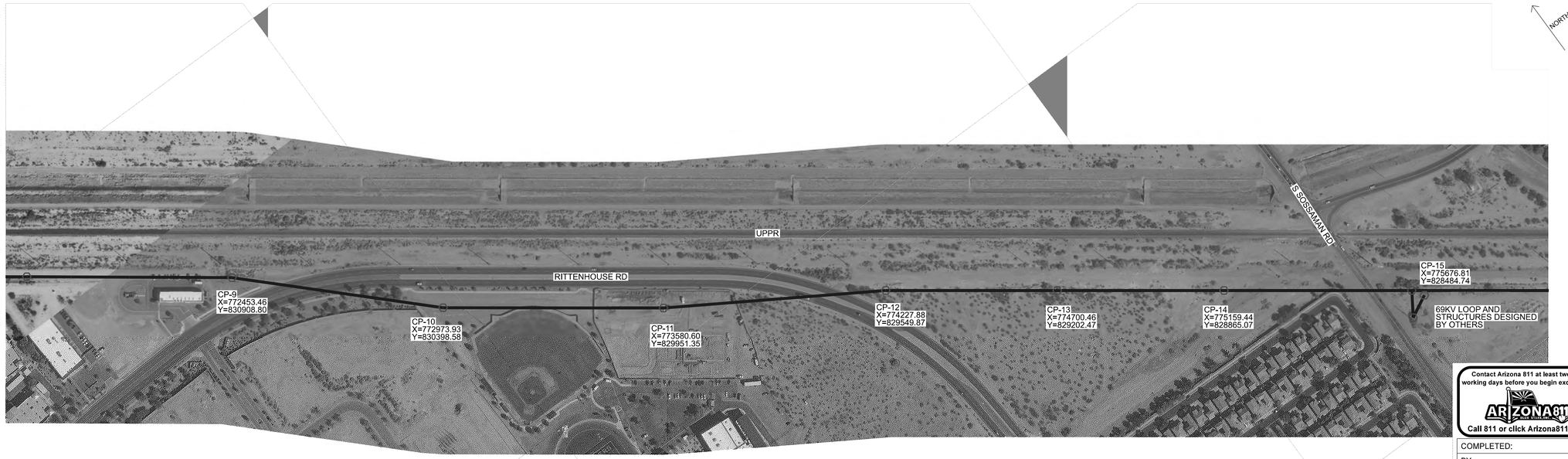
ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

PLAN & PROFILE

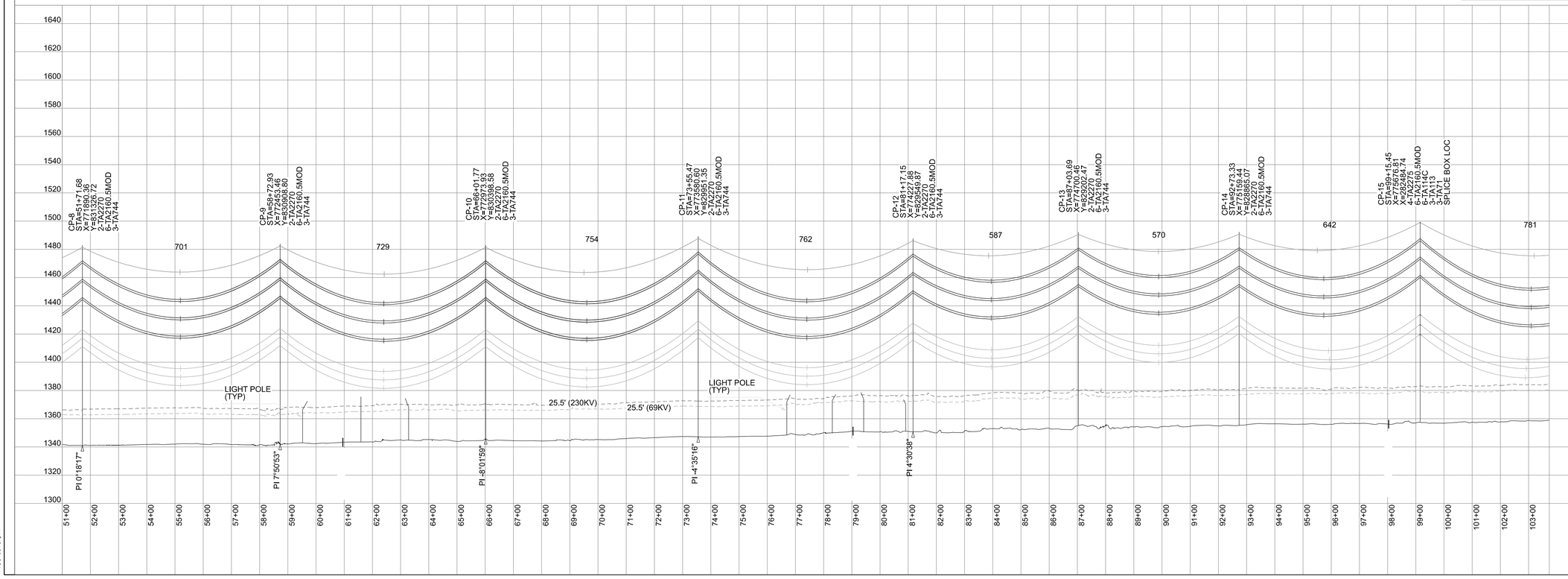
JOB # T1952486 SHEET: 33 OF 53

DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$DateStamp$$



CP-1 - CP-20, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 732 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-1 - CP-15, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 712 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-4 - CP-15, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP),WIR, AFL OPGW AC-79/637 DNO-7702, RULING SPAN 694 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-15 - CP-20, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP),WIR, AFL OPGW AC-79/637 DNO-7702, RULING SPAN 780 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
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200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:

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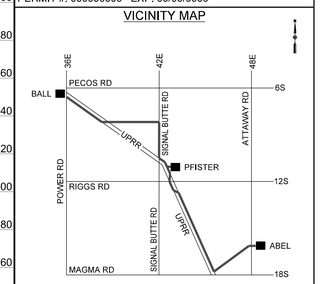
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TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486	SHEET: 34 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$DateStamp$$



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BY:	
CHANGES: ☐ YES ☐ NO	

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- STATIC WIRE
- OPGW
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200.0 FT. HORIZ. SCALE

40.0 FT. VERT. SCALE

SHEET INDEX:

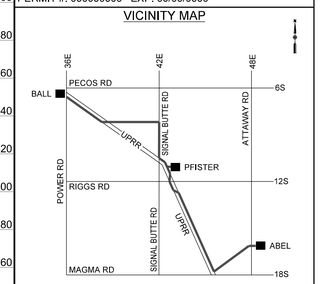
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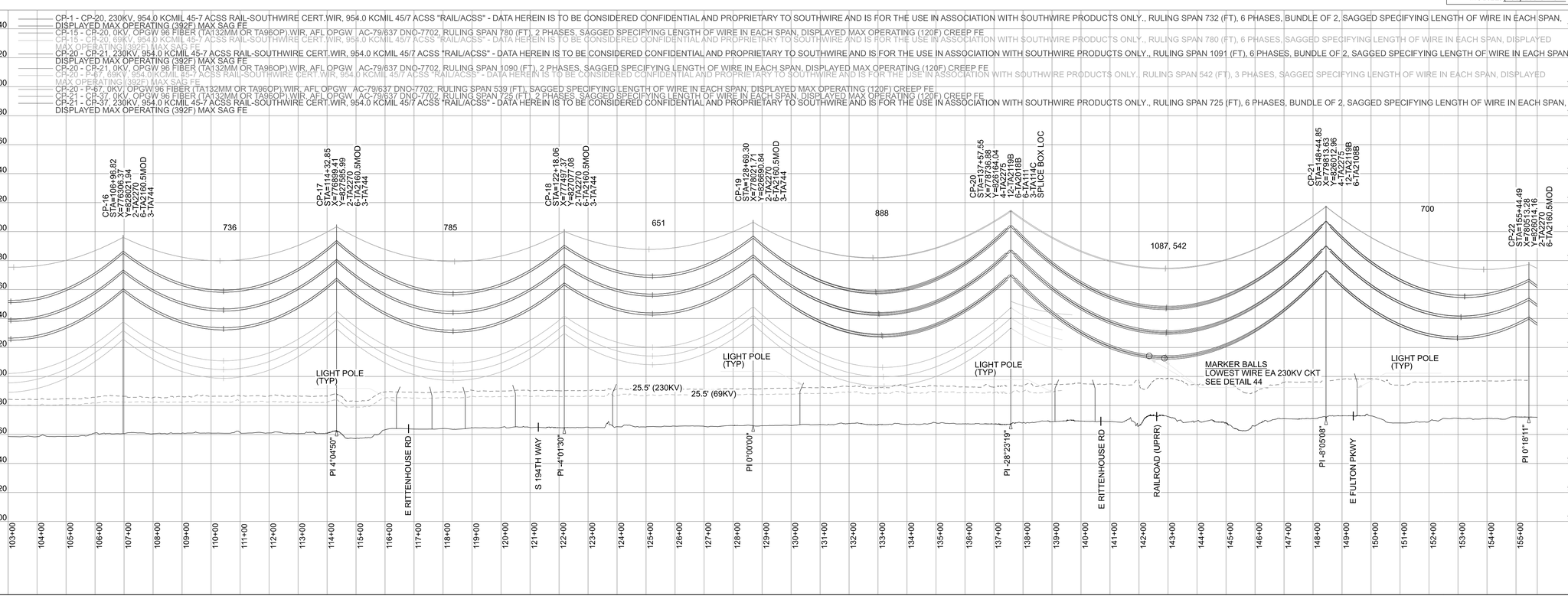
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TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE



PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486	SHEET: 35 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$DateStamp$$

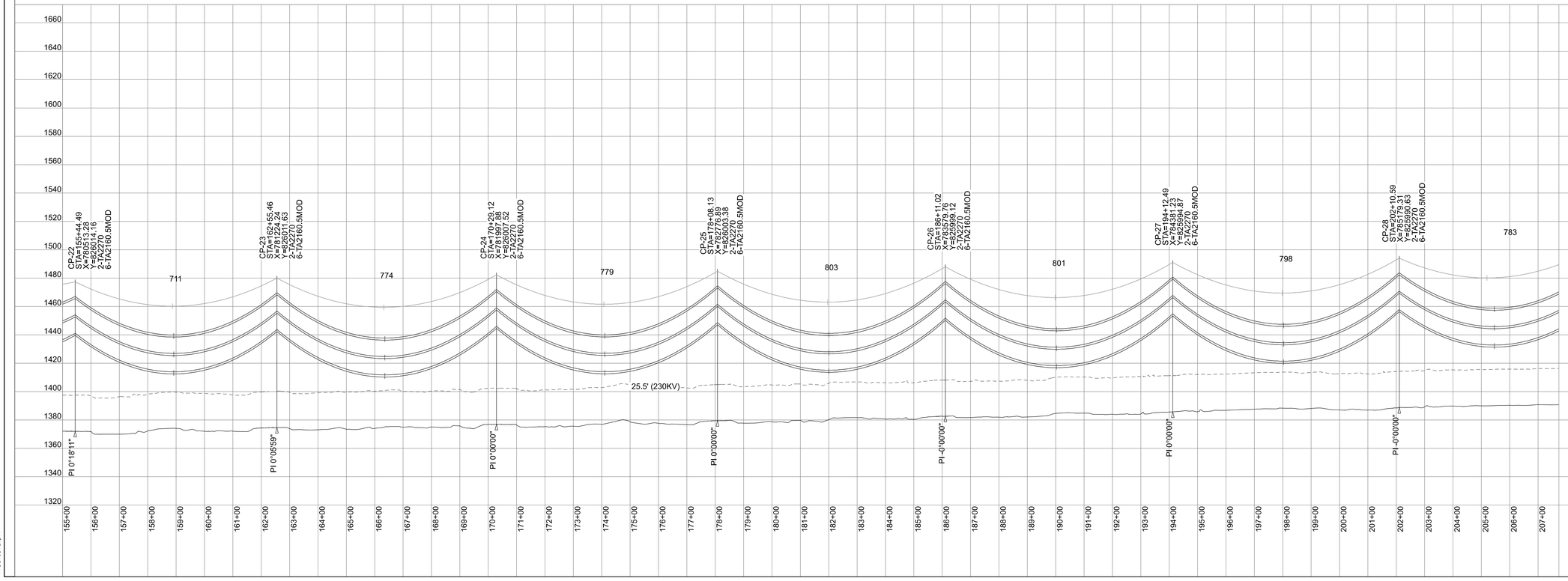


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CP-21 - CP-37, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP),WIR, AFL OPGW, AC-79/637 DNO-7702, RULING SPAN 725 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

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40.0 FT. VERT. SCALE

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BY:

CHANGES: ☐ YES ☐ NO

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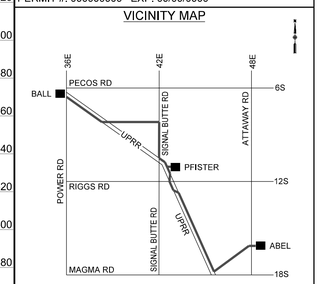
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VICINITY MAP



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SKP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486 SHEET: 36 OF 53

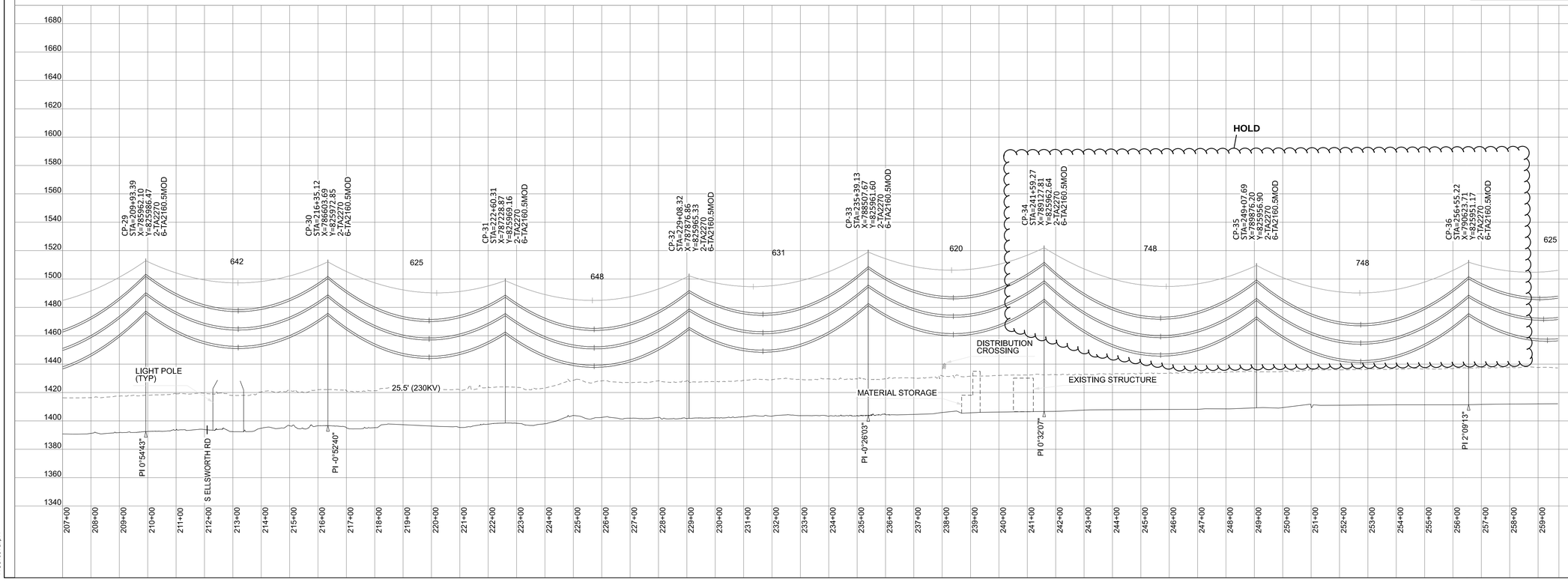
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$$$date$$$$



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MOBILE: (480) 208-3713	

LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
- PROPOSED TOWER
- REINFORCED WOOD POLE
- EXISTING FIBER SPLICE CASE
- PROPOSED FIBER SPLICE CASE
- SINGLE DOWN GUY AND ANCHOR
- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

200.0 FT. HORIZ. SCALE

40.0 FT. VERT. SCALE

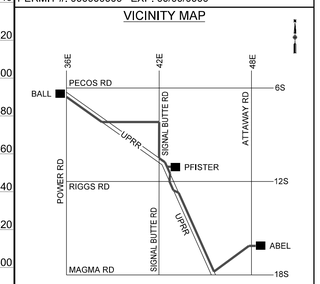
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INFO. NOTES & DATA SHEET	3-5
PLAN & DETAIL SHEETS	6-22
STRUCTURE DETAIL SHEETS	23-27
DETAIL SHEETS	28-31
PLAN &PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486	SHEET: 37 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$Dates$$



Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811 BLUE STAKE, INC.

Call 811 or click Arizona811.com

CP-21 - CP-37, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP).WIR, AFL OPGW, AC-79/637 DNO-7702, RULING SPAN 725 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

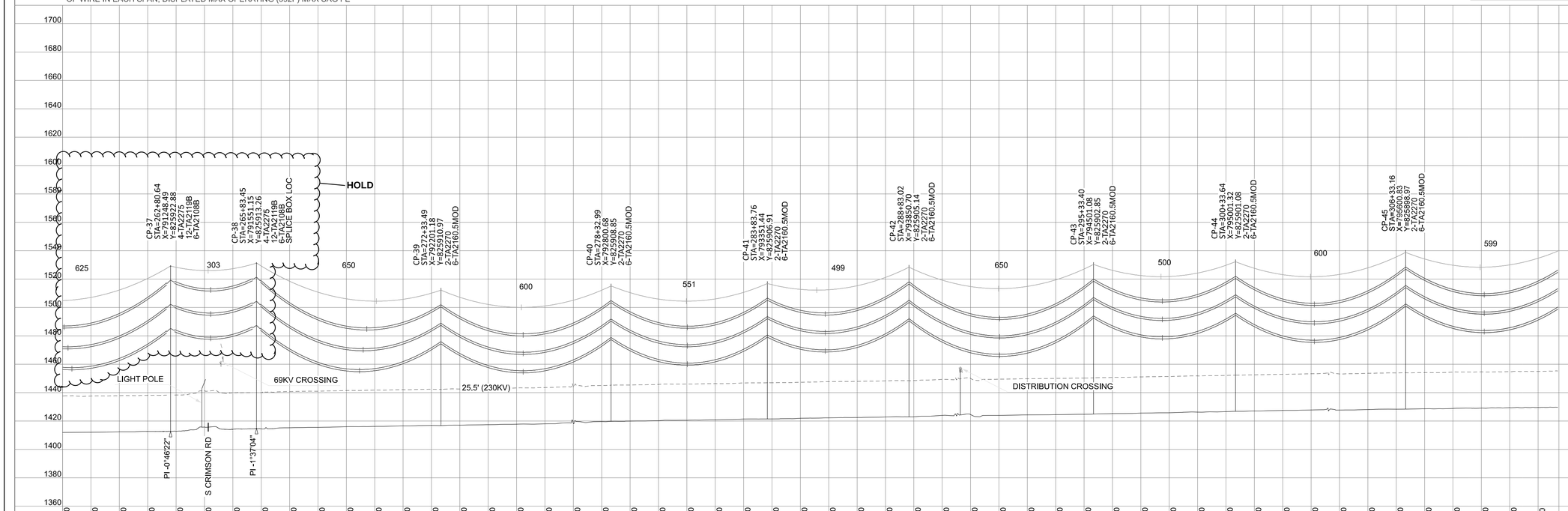
CP-21 - CP-37, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 725 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-37 - CP-38, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP).WIR, AFL OPGW, AC-79/637 DNO-7702, RULING SPAN 302 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

CP-37 - CP-38, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 302 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-38 - CP-47, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP).WIR, AFL OPGW, AC-79/637 DNO-7702, RULING SPAN 590 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

CP-38 - CP-47, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 589 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE



COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSCH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
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- PROPOSED TOWER
- REINFORCED WOOD POLE
- EXISTING FIBER SPLICE CASE
- PROPOSED FIBER SPLICE CASE
- SINGLE DOWN GUY AND ANCHOR
- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE

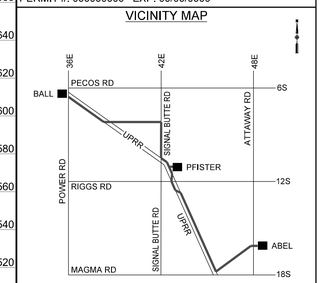
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CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

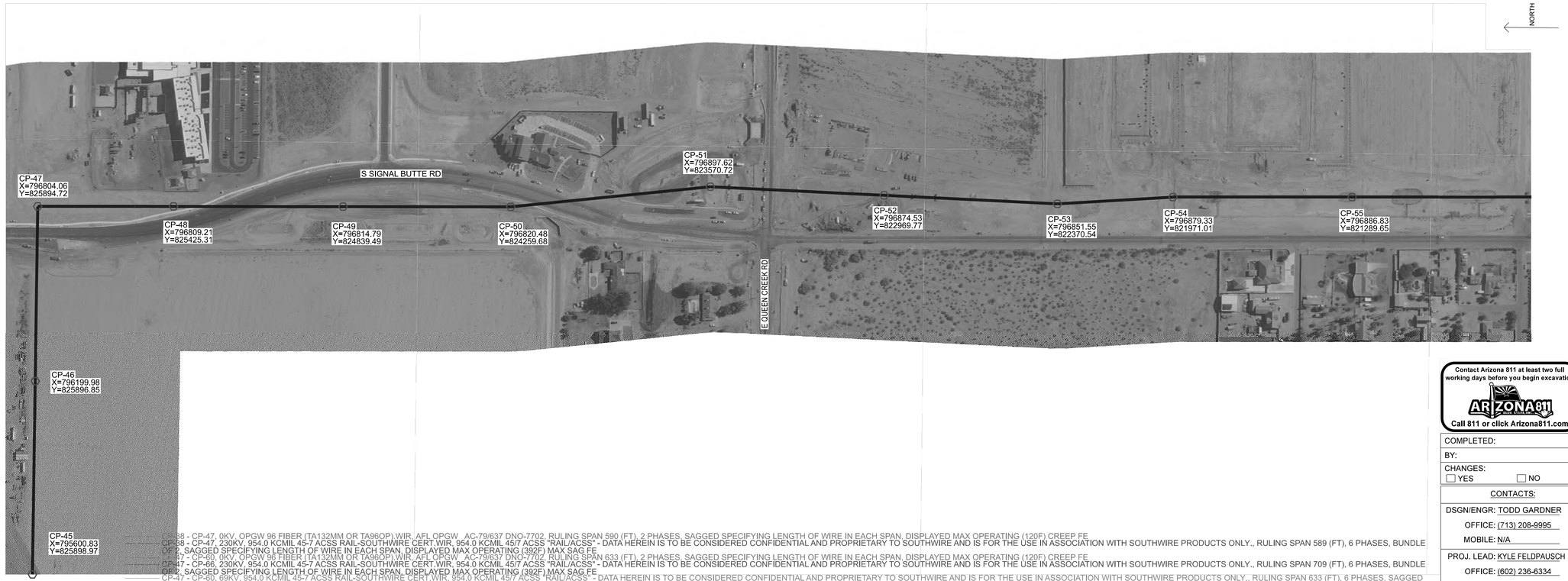
SRP TRANSMISSION LINE DESIGN

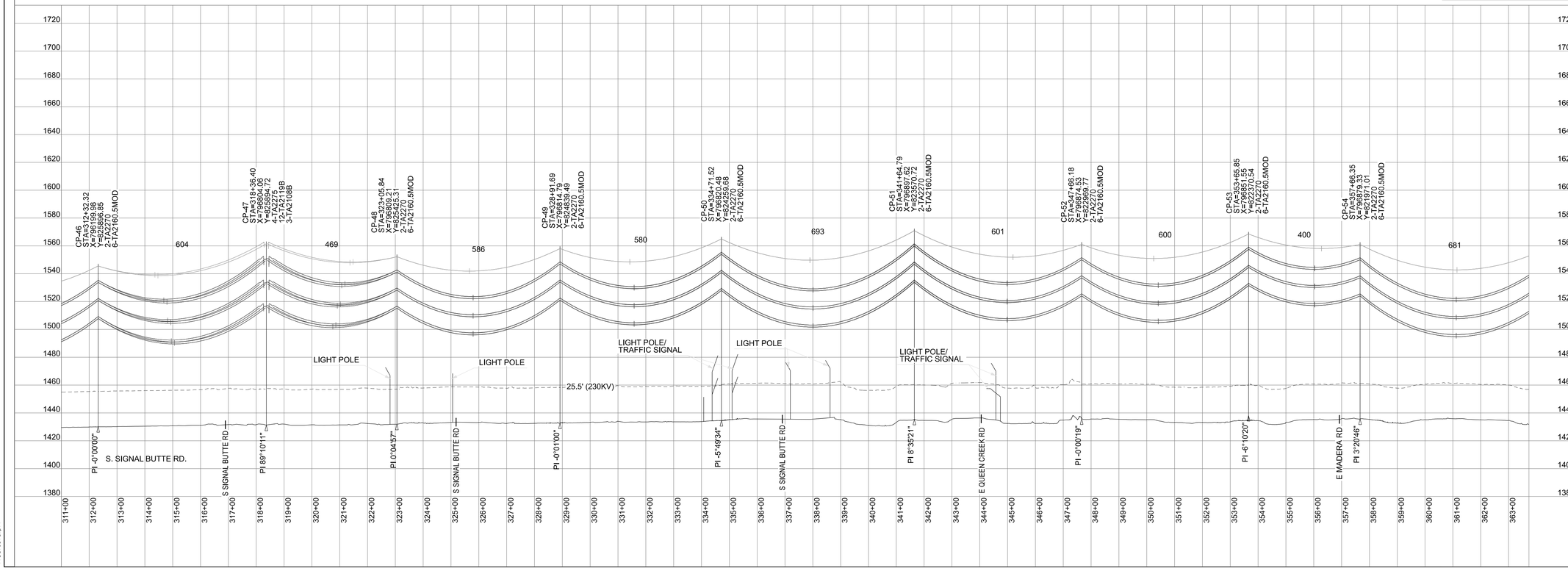
ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486	SHEET: 38 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$DateStamp$$





LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
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- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811 BLUE STAKE, INC.

Call 811 or click Arizona811.com

200.0 FT. HORIZ. SCALE

40.0 FT. VERT. SCALE

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSCH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

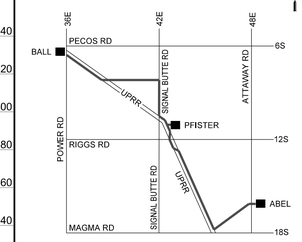
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TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

SKP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486	SHEET: 39 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$$$date$$stamp$$



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ARIZONA811 BLUE STAKE, INC.

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BY:	
CHANGES: ☐ YES ☐ NO	

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CP-47 - CP-60, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP).WIR, AFL OPGW - AC-79/637 DNO-7702, RULING SPAN 633 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

CP-47 - CP-66, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 709 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

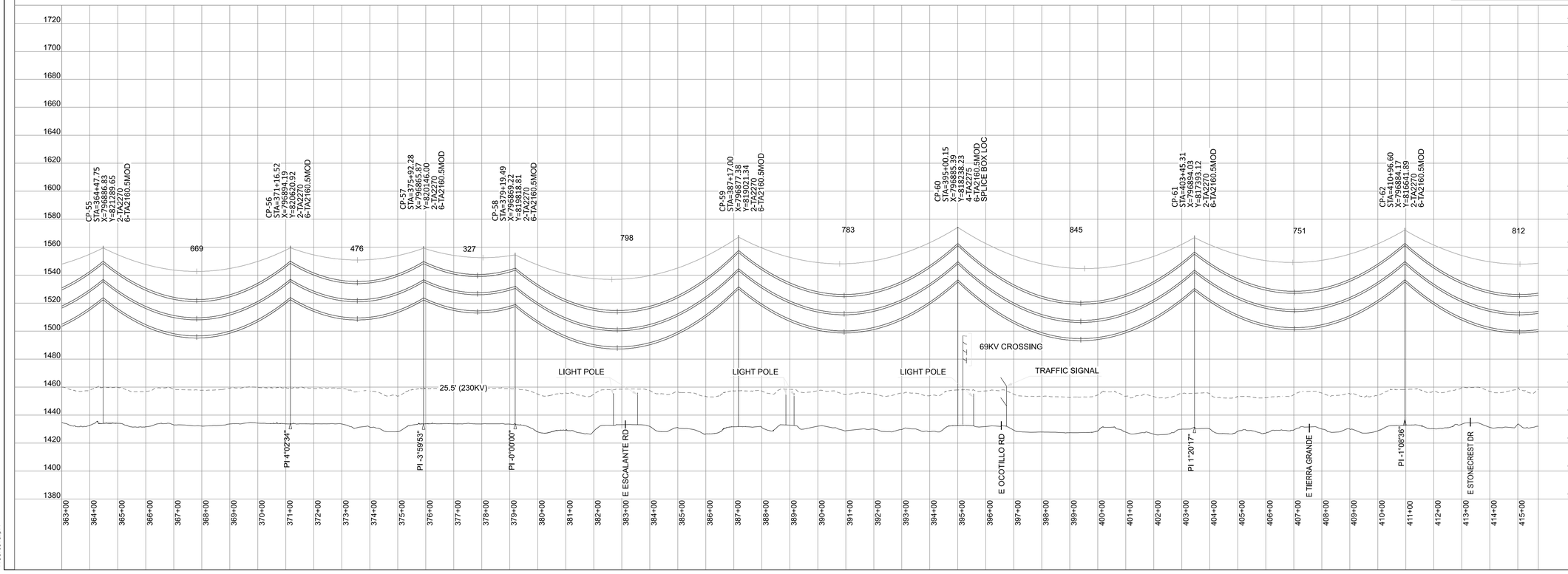
CP-47 - CP-60, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 633 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-60 - CP-66, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP).WIR, AFL OPGW - AC-79/637 DNO-7702, RULING SPAN 814 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

CP-61 - CP-66, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 807 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

P-58 - P-59, 1KV, 7NO_8_AW (TAW8).WIR, 7#8 ALUMOWELD 7 STRANDS, ALUMOWELD - ADAPTED FROM 1970'S PUBLICLY AVAILABLE DATA, RULING SPAN 189 (FT), SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED EVERYDAY CREEP FE

P-58 - P-59, 70KV, ARBUTUS_AAC (TA795) - 350FT_RS_3238LBS.WIR, 795 KCMIL 37/0 STRANDS ARBUTUS AAC - ADAPTED FROM 1970'S PUBLICLY AVAILABLE DATA, RULING SPAN 188 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE



LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
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- PROPOSED TRANS. HYBRID POLE
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- OVERHEAD GUY
- REMOVAL MARKS
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- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

200.0 FT. HORIZ. SCALE

40.0 FT. VERT. SCALE

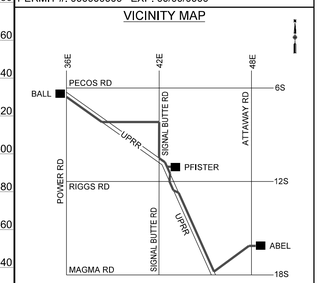
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CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

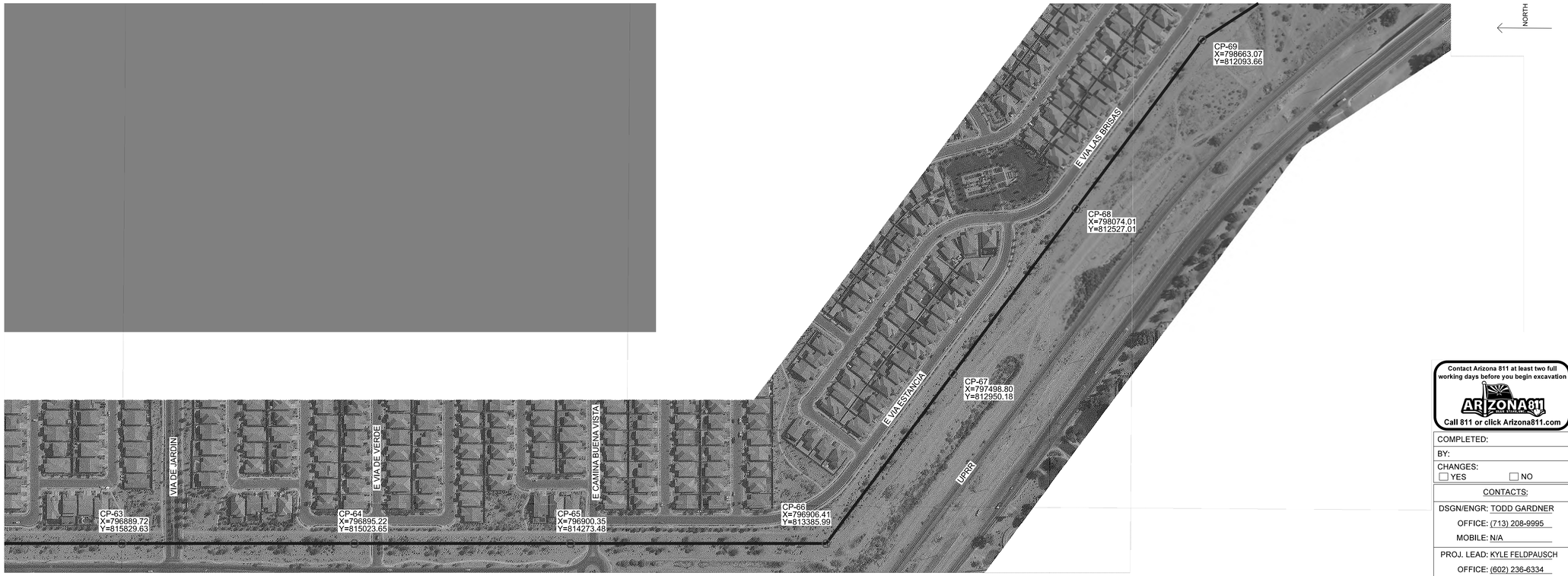
TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486	SHEET: 40 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$$$date$$stamp$$



Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:

DSGN/ENGR: TODD GARDNER	
OFFICE: (713) 208-9995	
MOBILE: N/A	
PROJ. LEAD: KYLE FELDPAUSCH	
OFFICE: (602) 236-6334	
MOBILE: (480) 208-3713	

LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
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- OPGW
- ADSS CABLE

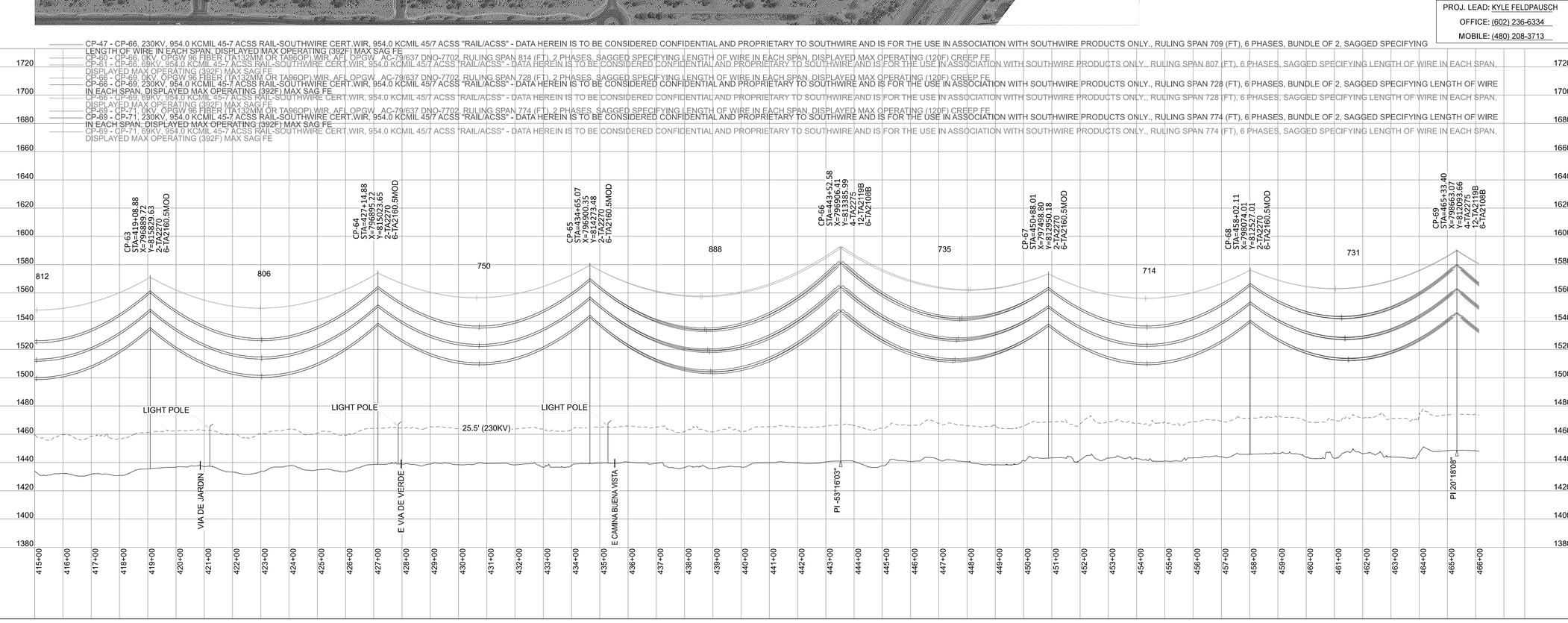
200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE

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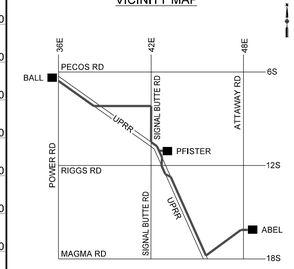
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TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000



VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

SNP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486	SHEET: 41 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$DateStamp$$



NORTH

Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811 BLUE STAKE, INC.

Call 811 or click Arizona811.com

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:

DSGN/ENGR: NAME	
OFFICE: (602) 236-XXXX	
MOBILE: (XXX) XXX-XXXX	
PROJ. LEAD: NAME	
OFFICE: (602) 236-XXXX	
MOBILE: (XXX) XXX-XXXX	

LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
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200.0 FT. HORIZ. SCALE

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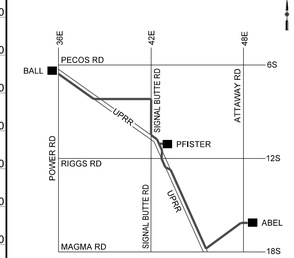
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TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

SNP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486	SHEET: 42 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

CP-71 - CP-71B, 230KV, 954.0 KCMIL 45/7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 675 (FT), 3 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-71 - CP-71B, 69KV, 954.0 KCMIL 45/7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 677 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-71B - FUTURE PFISTER DE, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP) - 1500.WIR, AFL OPGW AC-79/637 DNO-7702, RULING SPAN 317 (FT), SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-71B - FUTURE PFISTER DE, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP) - 1500.WIR, AFL OPGW AC-79/637 DNO-7702, RULING SPAN 306 (FT), SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-71B - FUTURE PFISTER DE, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT - 2250.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 306 (FT), 3 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-71B - FUTURE PFISTER DE, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT - 2250.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 313 (FT), 3 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
FUTURE PFISTER DE - CP-72C, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT - 2250.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 328 (FT), 3 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
FUTURE PFISTER DE - CP-72C, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT - 2250.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 316 (FT), 3 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
FUTURE PFISTER DE - CP-72G, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP) - 1500.WIR, AFL OPGW AC-79/637 DNO-7702, RULING SPAN 324 (FT), SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
FUTURE PFISTER DE - CP-72G, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP) - 1500.WIR, AFL OPGW AC-79/637 DNO-7702, RULING SPAN 306 (FT), SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-72C - CP-72A, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 551 (FT), 3 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-72C - CP-72A, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 559 (FT), 3 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-72A - CP-72, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT - 1500.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 558 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-72A - CP-72, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP) - 1175.WIR, AFL OPGW AC-79/637 DNO-7702, RULING SPAN 89 (FT), SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-72A - CP-72, 0KV, OPGW 98 FIBER (TA132MM OR TA96OP) - 1175.WIR, AFL OPGW AC-79/637 DNO-7702, RULING SPAN 115 (FT), SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-72A - CP-72, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT - 1500.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 86 (FT), 3 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-72A - CP-72, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT - 1500.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 118 (FT), 3 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-72A - CP-72, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT - 1500.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 91 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED EVERYDAY CREEP FE
CP-72 - CP-76, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT - 1500.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 112 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED EVERYDAY CREEP FE
CP-72 - CP-76, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP) WIR, AFL OPGW AC-79/637 DNO-7702, RULING SPAN 791 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-72 - CP-76, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 790 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-72 - CP-76, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 791 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

$$$$date$time$$$$



Contact Arizona 811 at least two full working days before you begin excavation

Call 811 or click Arizona811.com

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:

DSGN/ENGR: NAME
OFFICE: (602) 236-XXXX
MOBILE: (XXX) XXX-XXXX

PROJ. LEAD: NAME
OFFICE: (602) 236-XXXX
MOBILE: (XXX) XXX-XXXX

CP-72 - CP-76, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP).WIR, AFL OPGW _AC-79/637 DNO-7702, RULING SPAN 791 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

CP-72 - CP-76, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 790 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-72 - CP-76, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 791 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-76 - CP-77, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP).WIR, AFL OPGW _AC-79/637 DNO-7702, RULING SPAN 550 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

CP-76 - CP-77, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 549 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-76 - CP-77, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 549 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-77 - CP-85, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP).WIR, AFL OPGW _AC-79/637 DNO-7702, RULING SPAN 589 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

CP-77 - CP-85, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 590 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

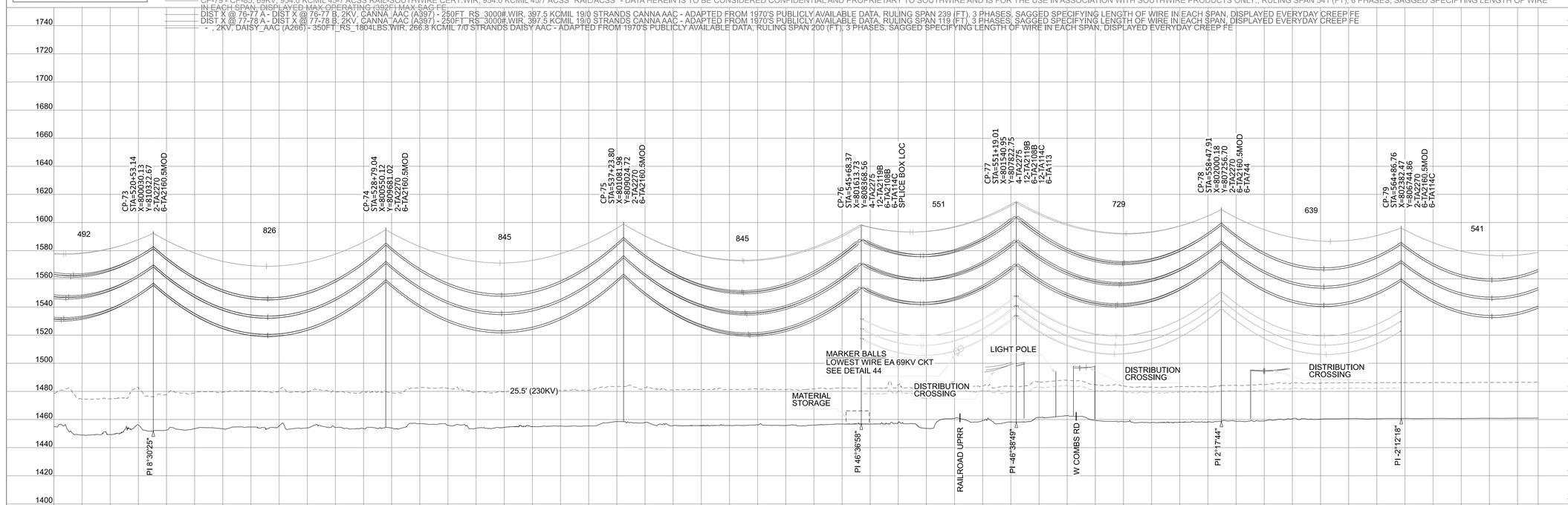
CP-77 - CP-79, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 690 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-79 - CP-85, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 541 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

DIST X @ 76-77 A - DIST X @ 76-77 B, 2KV, CANNA_AAC (A397) - 250FT_RS_3000#.WIR, 397.5 KCMIL 19/0 STRANDS CANNA AAC - ADAPTED FROM 1970'S PUBLICLY AVAILABLE DATA, RULING SPAN 239 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED EVERYDAY CREEP FE

DIST X @ 77-78 A - DIST X @ 77-78 B, 2KV, CANNA_AAC (A397) - 250FT_RS_3000#.WIR, 397.5 KCMIL 19/0 STRANDS CANNA AAC - ADAPTED FROM 1970'S PUBLICLY AVAILABLE DATA, RULING SPAN 119 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED EVERYDAY CREEP FE

- - 2KV, DAISY_AAC (A266) - 350FT_RS_1804LBS.WIR, 266.8 KCMIL 7/0 STRANDS DAISY AAC - ADAPTED FROM 1970'S PUBLICLY AVAILABLE DATA, RULING SPAN 200 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED EVERYDAY CREEP FE



$$Date$Time$$

LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
- PROPOSED TOWER
- REINFORCED WOOD POLE
- EXISTING FIBER SPLICE CASE
- PROPOSED FIBER SPLICE CASE
- SINGLE DOWN GUY AND ANCHOR
- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE

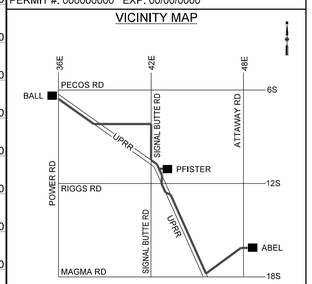
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DETAIL SHEETS	28-31
PLAN &PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

SRP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486	SHEET: 43 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34



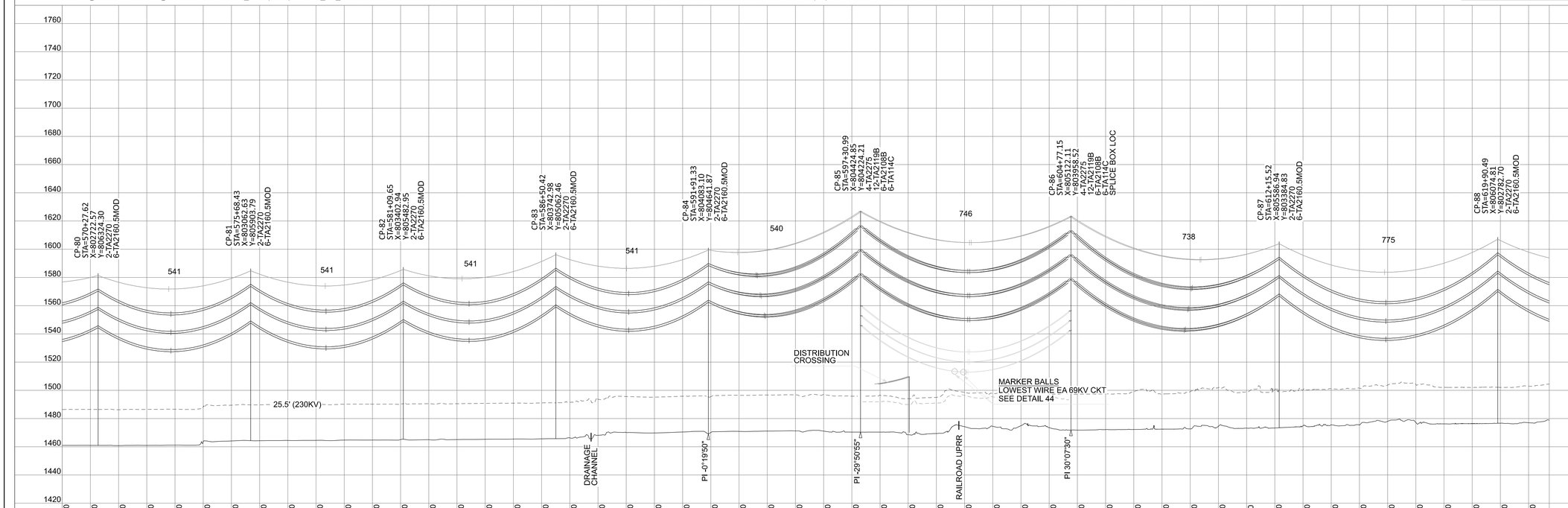
Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
- PROPOSED TOWER
- REINFORCED WOOD POLE
- EXISTING FIBER SPLICE CASE
- PROPOSED FIBER SPLICE CASE
- SINGLE DOWN GUY AND ANCHOR
- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE

CP-77 - CP-85, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 590 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-79 - CP-85, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 541 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-85 - CP-86, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP),WIR, AFL OPGW AC-79/637 DNO-7702, RULING SPAN 745 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-85 - CP-86, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 745 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-85 - CP-86, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 745 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-86 - CP-91, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP),WIR, AFL OPGW AC-79/637 DNO-7702, RULING SPAN 757 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-86 - CP-91, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 757 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-86 - CP-91, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 757 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
DIST X @ 85-86 A - DIST X @ 85-86 B, 2KV, DAISY_AAC (A266) - 400FT_RS_1872LBS.WIR, 266.8 KCMIL 7/0 STRANDS DAISY AAC - ADAPTED FROM 1970'S PUBLICLY AVAILABLE DATA, RULING SPAN 442 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED EVERYDAY CREEP FE



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DETAIL SHEETS	28-31
PLAN &PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

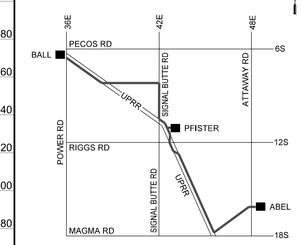
CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSCH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

SKP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486	SHEET: 44 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$$$date$$stamp$$



Contact Arizona 811 at least two full working days before you begin excavation

Call 811 or click Arizona811.com

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:

DSGN/ENGR: NAME
OFFICE: (602) 236-XXXX
MOBILE: (XXX) XXX-XXXX

PROJ. LEAD: NAME
OFFICE: (602) 236-XXXX
MOBILE: (XXX) XXX-XXXX

CP-86 - CP-91, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP).WIR, AFL OPGW, AC-79/637 DNO-7702, RULING SPAN 757 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

CP-86 - CP-91, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 757 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-86 - CP-91, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 757 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

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CP-93 - CP-94, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP).WIR, AFL OPGW, AC-79/637 DNO-7702, RULING SPAN 405 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

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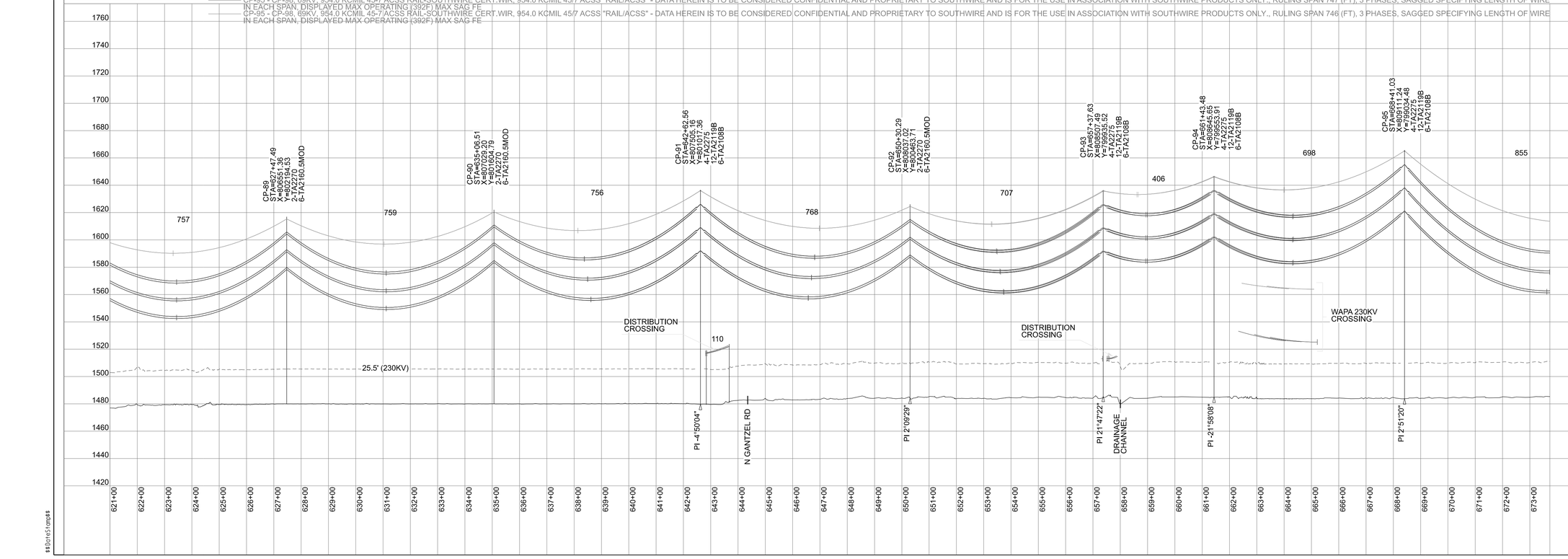
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LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
- PROPOSED TOWER
- REINFORCED WOOD POLE
- EXISTING FIBER SPLICE CASE
- PROPOSED FIBER SPLICE CASE
- SINGLE DOWN GUY AND ANCHOR
- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE

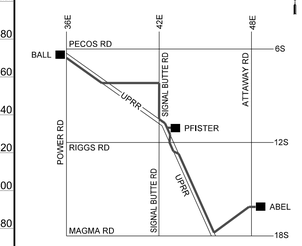
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PLAN & DETAIL SHEETS	6-22
STRUCTURE DETAIL SHEETS	23-27
DETAIL SHEETS	28-31
PLAN &PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

SKP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486	SHEET: 45 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$DateStamp$$



Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811 BLUE STAKE, INC.

Call 811 or click Arizona811.com

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	
CONTACTS:	
DSGN/ENGR: TODD GARDNER	
OFFICE: (713) 208-9995	
MOBILE: N/A	
PROJ. LEAD: KYLE FELDPAUSCH	
OFFICE: (602) 236-6334	
MOBILE: (480) 208-3713	

LEGEND

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- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
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- ADSS CABLE

200.0 FT. HORIZ. SCALE

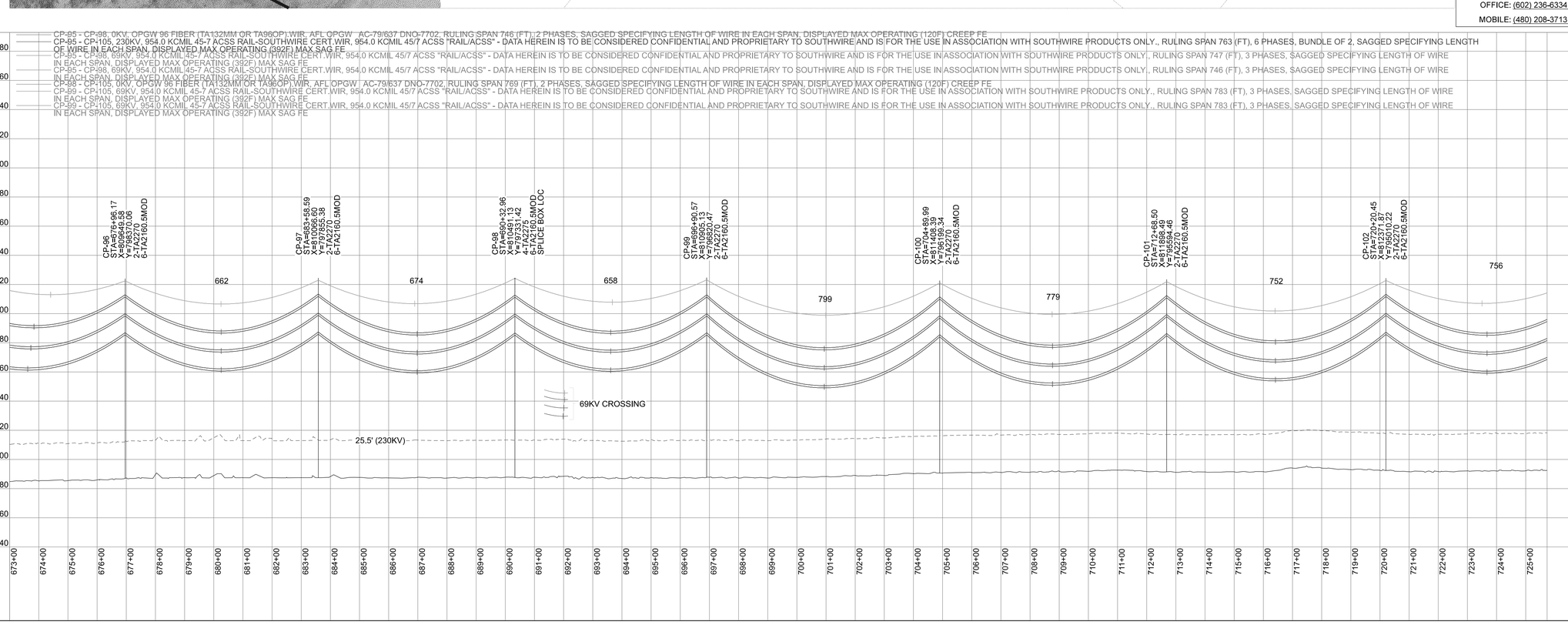
40.0 FT. VERT. SCALE

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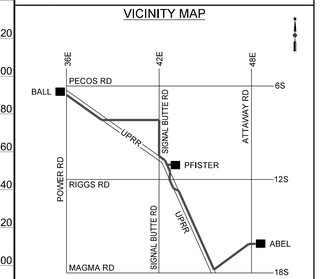
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VICINITY MAP



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YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
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TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

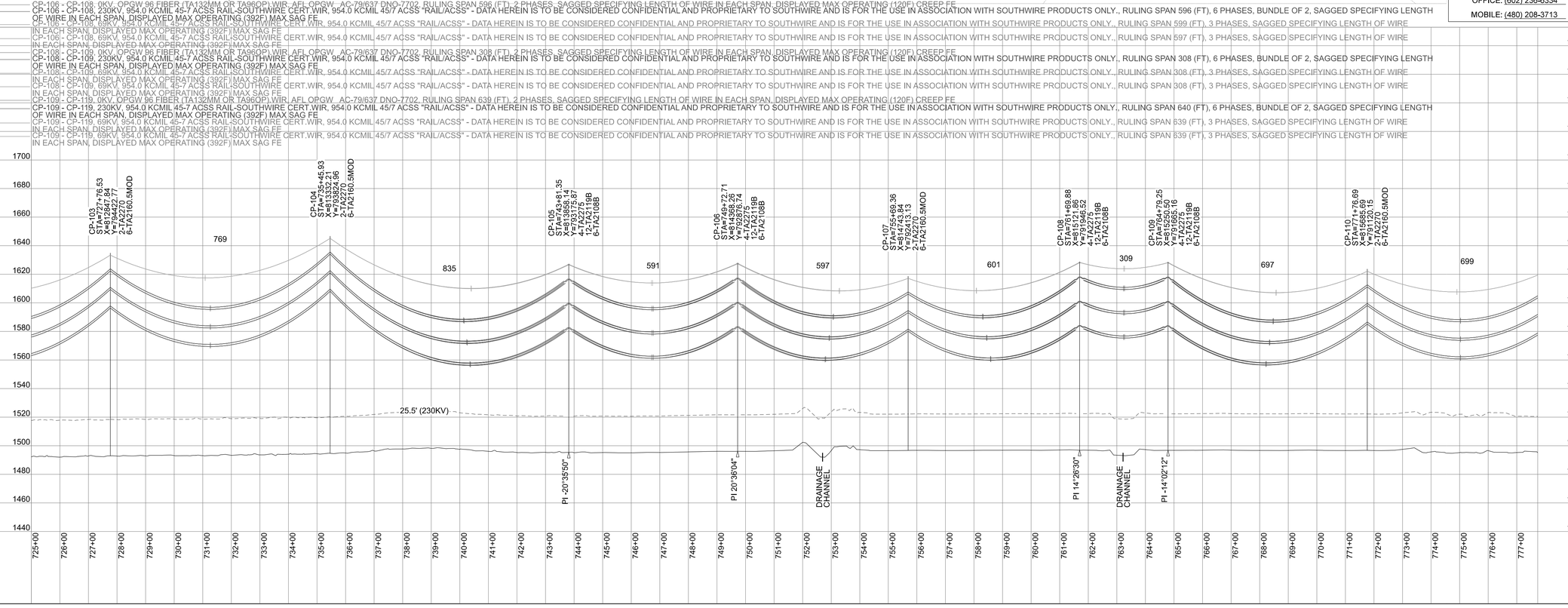
PLAN & PROFILE

JOB # T1952486	SHEET: 46 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$\$date\$time\$$$



CP-95 - CP-105, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 763 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-96 - CP-105, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP) WIR, AFL OPGW, AC-79/637 DNO-7702, RULING SPAN 769 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-99 - CP-105, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 783 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
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CP-105 - CP-106, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP) WIR, AFL OPGW, AC-79/637 DNO-7702, RULING SPAN 590 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
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CP-106 - CP-108, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP) WIR, AFL OPGW, AC-79/637 DNO-7702, RULING SPAN 596 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
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CP-108 - CP-109, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP) WIR, AFL OPGW, AC-79/637 DNO-7702, RULING SPAN 308 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
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200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE

COMPLETED:
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CHANGES: ☐ YES ☐ NO

CONTACTS:
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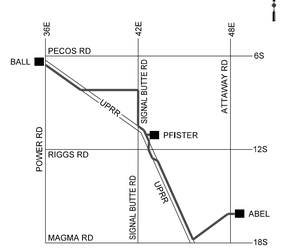
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VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
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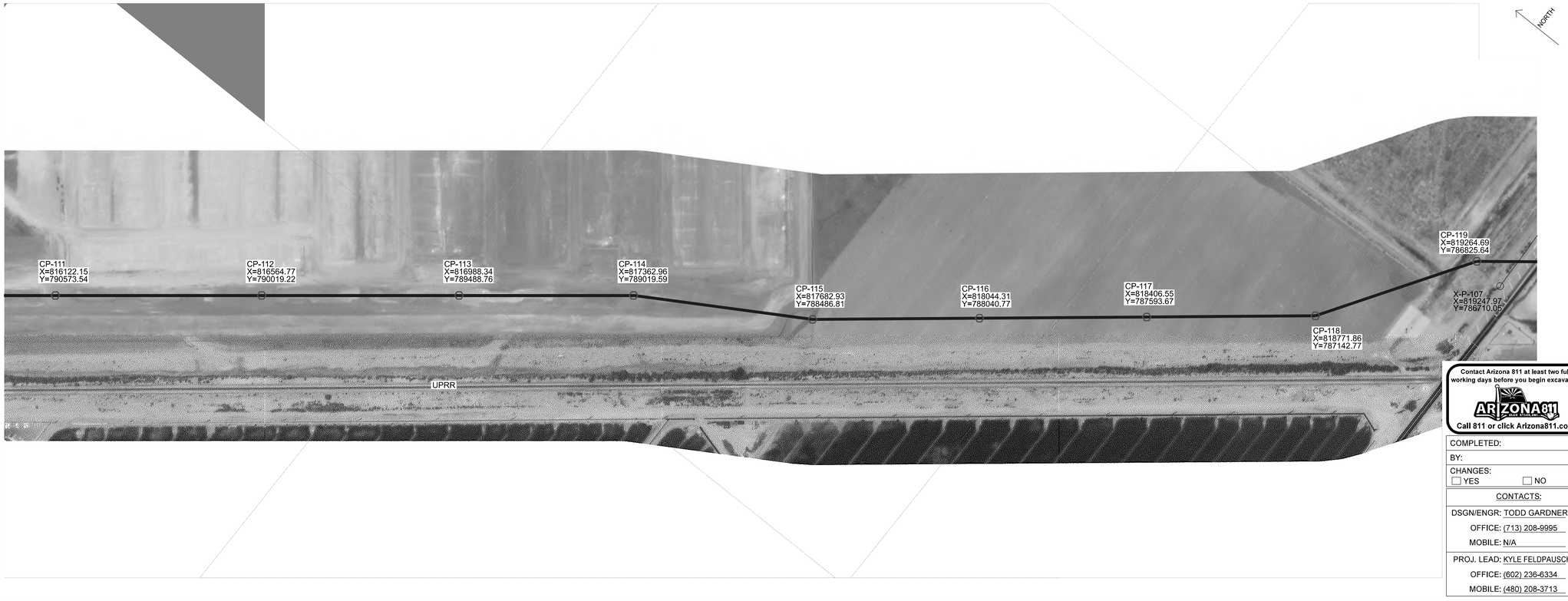
SRP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486 SHEET: 47 OF 53
DISTRIBUTION CODE DWG SIZE
TD1.5A, CO, PI + 10 22 X 34

$$DateStamp$$



Contact Arizona 811 at least two full working days before you begin excavation

Call 811 or click Arizona811.com

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSCH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
- PROPOSED TOWER
- REINFORCED WOOD POLE
- EXISTING FIBER SPLICE CASE
- PROPOSED FIBER SPLICE CASE
- SINGLE DOWN GUY AND ANCHOR
- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE

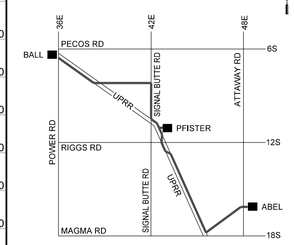
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INFO. NOTES & DATA SHEET	3-5
PLAN & DETAIL SHEETS	6-22
STRUCTURE DETAIL SHEETS	23-27
DETAIL SHEETS	28-31
PLAN &PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

A	03/25/22	TGARDNER	JDJ	KTF
REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH

PRELIMINARY - ISSUED FOR 90%

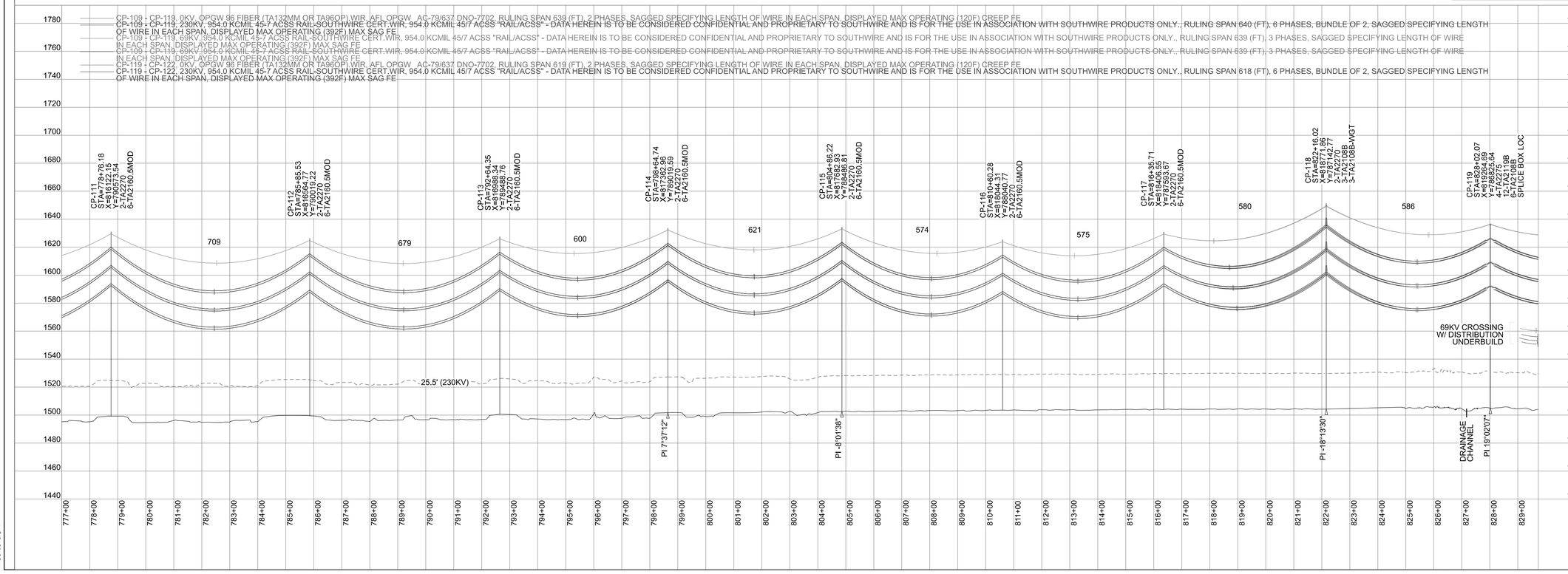
SRP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

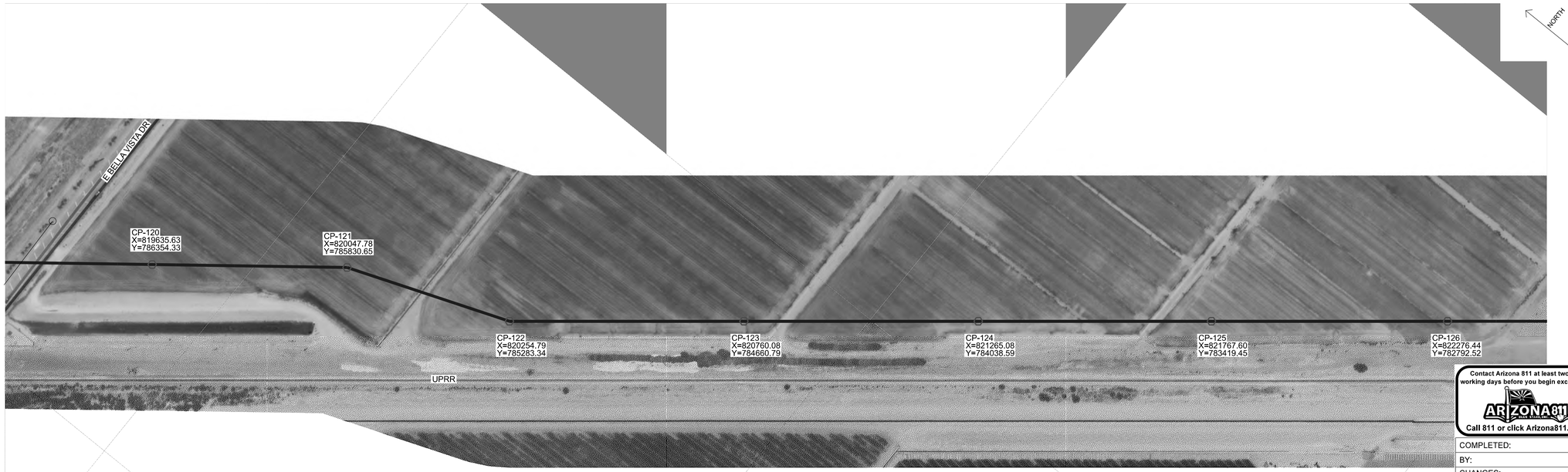
PLAN & PROFILE

JOB # T1952486 SHEET: 48 OF 53

DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34



$$DateStamp$$



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BY:	
CHANGES: ☐ YES ☐ NO	

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LEGEND

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- PROPOSED TRANS. STEEL POLE
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- 40-ACRE CORNER MARKER
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- ADSS CABLE

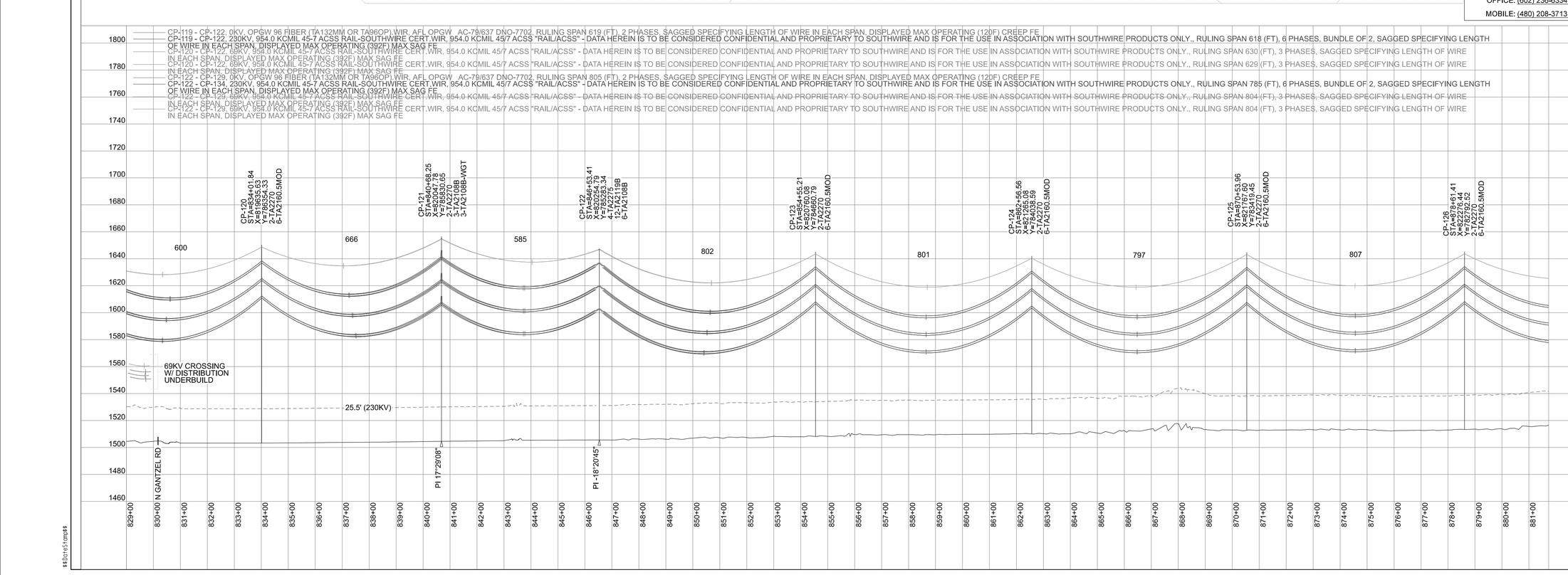
200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE

SHEET INDEX:

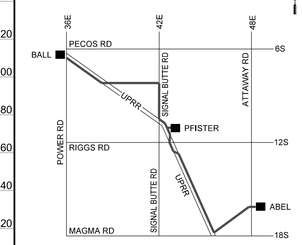
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PERMIT NUMBER(S):
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CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000



VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

TRANSMISSION LINE DESIGN

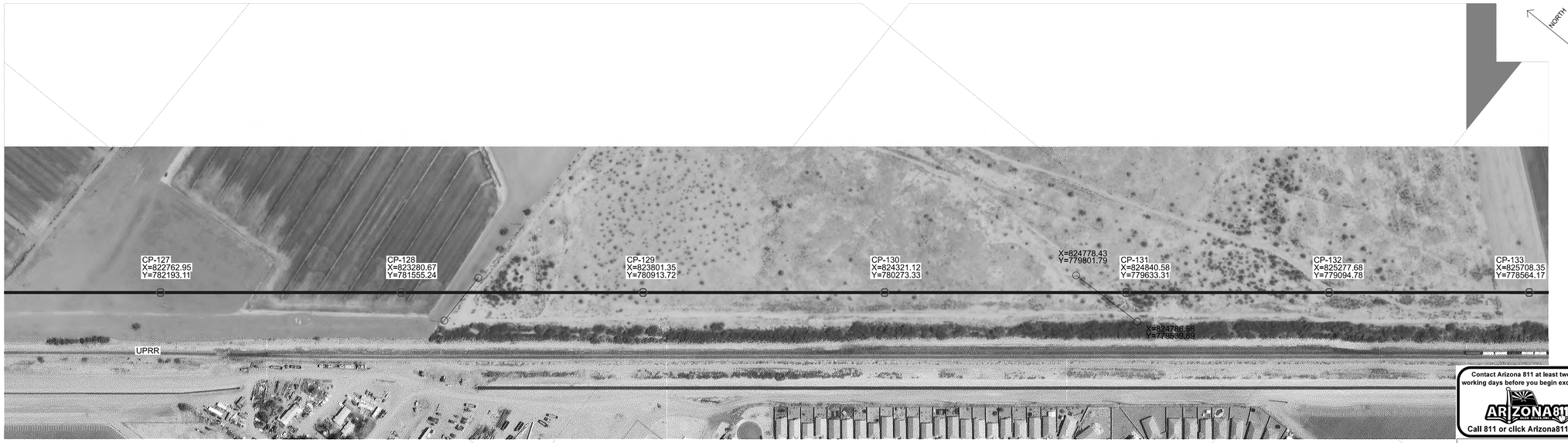
ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486 SHEET: 49 OF 53

DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$$$dateStamp$$



Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811 BLUE STAKE, INC.

Call 811 or click Arizona811.com

CP-122 - CP-129, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP) WIR, AFL OPGW AC-79/637 DNO-7702, RULING SPAN 805 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

CP-122 - CP-134, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 785 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-122 - CP-129, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 804 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-122 - CP-129, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 804 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-129 - CP-132, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP) WIR, AFL OPGW AC-79/637 DNO-7702, RULING SPAN 788 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

CP-129 - CP-130, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 824 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-129 - CP-130, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 824 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-130 - CP-131, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 824 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

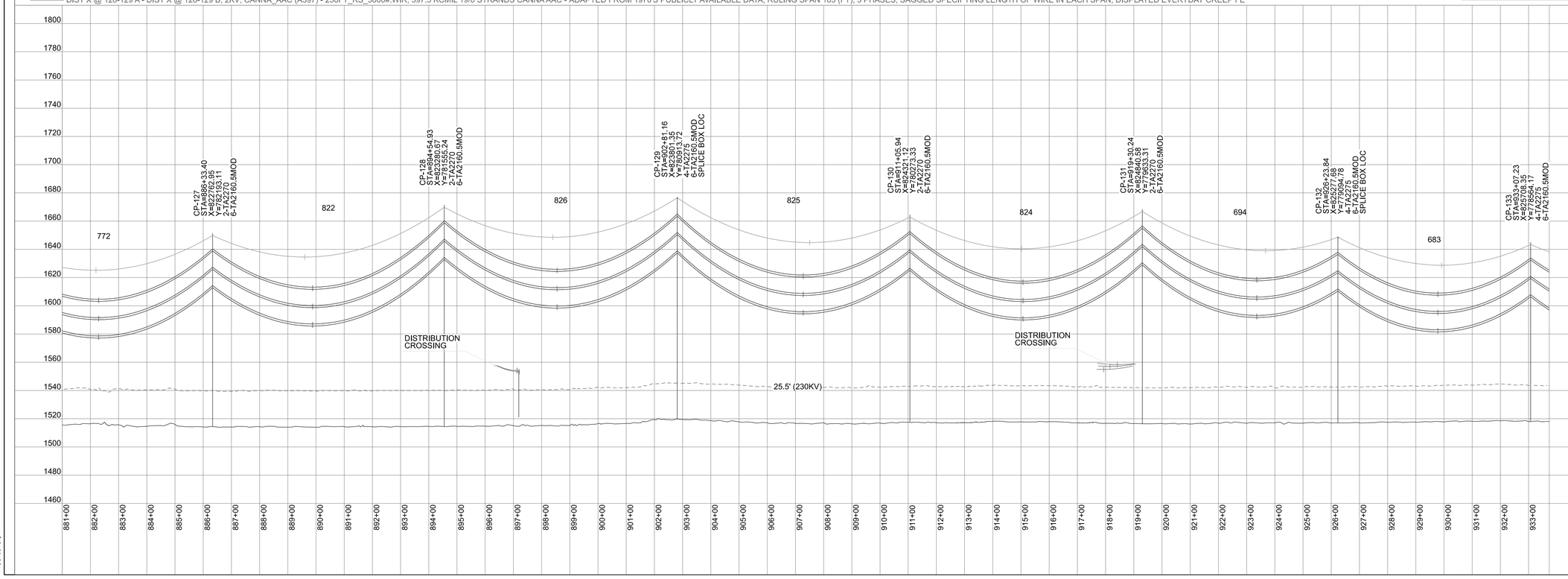
CP-130 - CP-131, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 824 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-131 - CP-134, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 690 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-131 - CP-134, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 692 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-132 - CP-134, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP) WIR, AFL OPGW AC-79/637 DNO-7702, RULING SPAN 691 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

DIST X @ 128-129 A - DIST X @ 128-129 B, 2KV, CANNA_AAC (A397) - 250FT_RS_3000#.WIR, 397.5 KCMIL 19/0 STRANDS CANNA AAC - ADAPTED FROM 1970'S PUBLICLY AVAILABLE DATA, RULING SPAN 185 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED EVERYDAY CREEP FE



LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
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- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

200.0 FT. HORIZ. SCALE

40.0 FT. VERT. SCALE

COMPLETED:

BY:

CHANGES: ☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
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MOBILE: N/A

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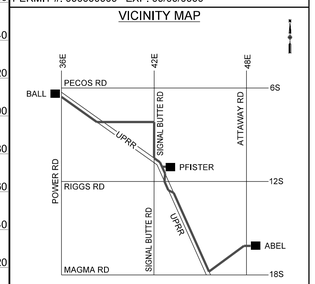
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CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

SKP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

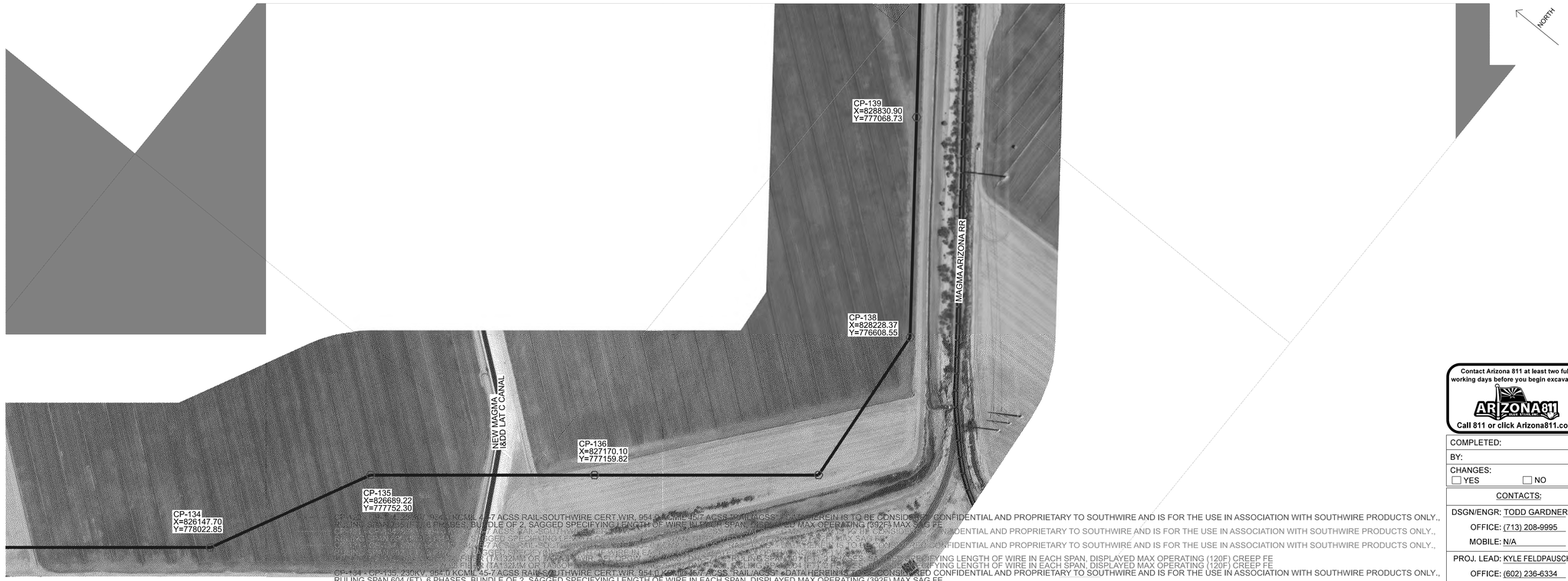
PLAN & PROFILE

JOB # T1952486 SHEET: 50 OF 53

DISTRIBUTION CODE: TD1.5A, CO, PI + 10

DWG SIZE: 22 X 34

$$DateStamp$$



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ARIZONA811 BLUE STAKE, INC.

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BY:	
CHANGES: ☐ YES ☐ NO	

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200.0 FT. HORIZ. SCALE
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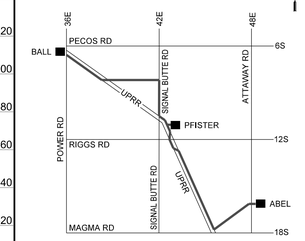
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TRANSMISSION LINE DESIGN

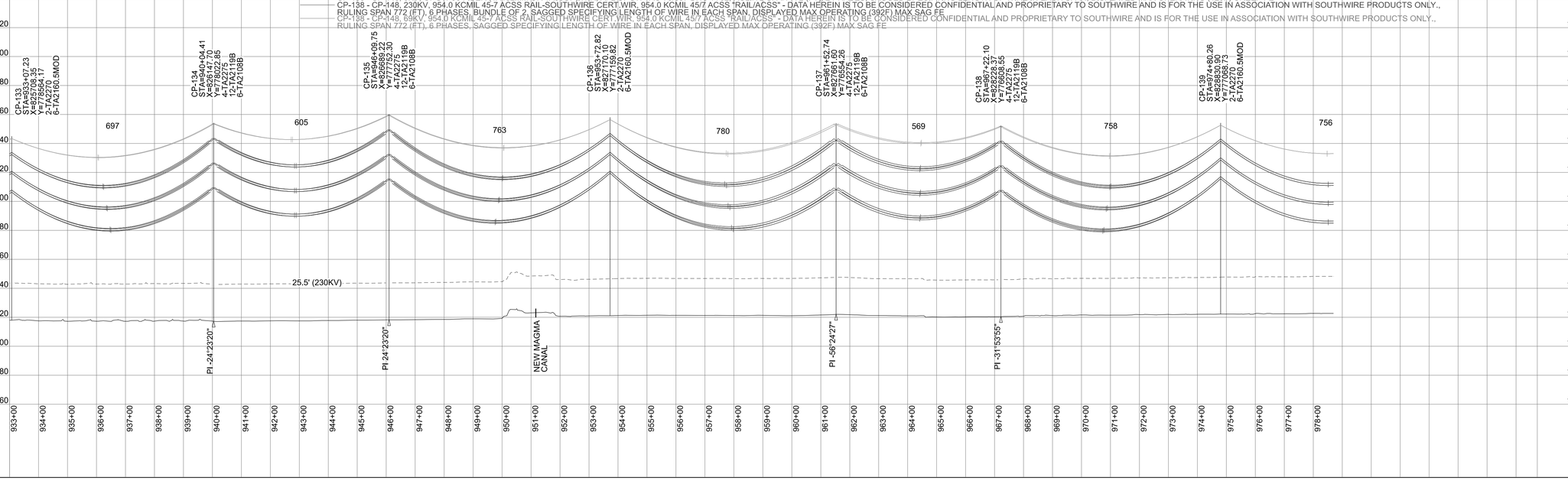
ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

PLAN & PROFILE

JOB # T1952486 SHEET: 51 OF 53

DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

CP-134 - CP-135, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY.,
RULING SPAN 604 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-134 - CP-135, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY.,
RULING SPAN 604 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-135 - CP-137, 6KV, OPGW 96 FIBER (TAI32MM OR TA96OP) WIR, AFL OPGW - AC-79/637 DNO-7702, RULING SPAN 773 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-135 - CP-137, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY.,
RULING SPAN 773 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-135 - CP-137, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY.,
RULING SPAN 772 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-137 - CP-138, 0KV, OPGW 96 FIBER (TAI32MM OR TA96OP) WIR, AFL OPGW - AC-79/637 DNO-7702, RULING SPAN 560 (FT), SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-137 - CP-138, 0KV, OPGW 96 FIBER (TAI32MM OR TA96OP) WIR, AFL OPGW - AC-79/637 DNO-7702, RULING SPAN 577 (FT), SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-137 - CP-138, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY.,
RULING SPAN 558 (FT), 3 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-137 - CP-138, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY.,
RULING SPAN 579 (FT), 3 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-137 - CP-138, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY.,
RULING SPAN 562 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-137 - CP-138, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY.,
RULING SPAN 575 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-138 - CP-148, 0KV, OPGW 96 FIBER (TAI32MM OR TA96OP) WIR, AFL OPGW - AC-79/637 DNO-7702, RULING SPAN 772 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE
CP-138 - CP-148, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY.,
RULING SPAN 772 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE
CP-138 - CP-148, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY.,
RULING SPAN 772 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE



$$\Notes\Comp$$



Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811 BLUE STAKE, INC.

Call 811 or click Arizona811.com

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	
CONTACTS:	
DSGN/ENGR: TODD GARDNER	
OFFICE: (713) 208-9995	
MOBILE: N/A	
PROJ. LEAD: KYLE FELDPAUSCH	
OFFICE: (602) 236-6334	
MOBILE: (480) 208-3713	

LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
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- PROPOSED FIBER SPLICE CASE
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- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

200.0 FT. HORIZ. SCALE

40.0 FT. VERT. SCALE

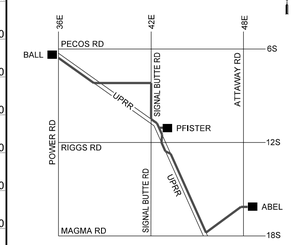
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STRUCTURE DETAIL SHEETS	23-27
DETAIL SHEETS	28-31
PLAN &PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

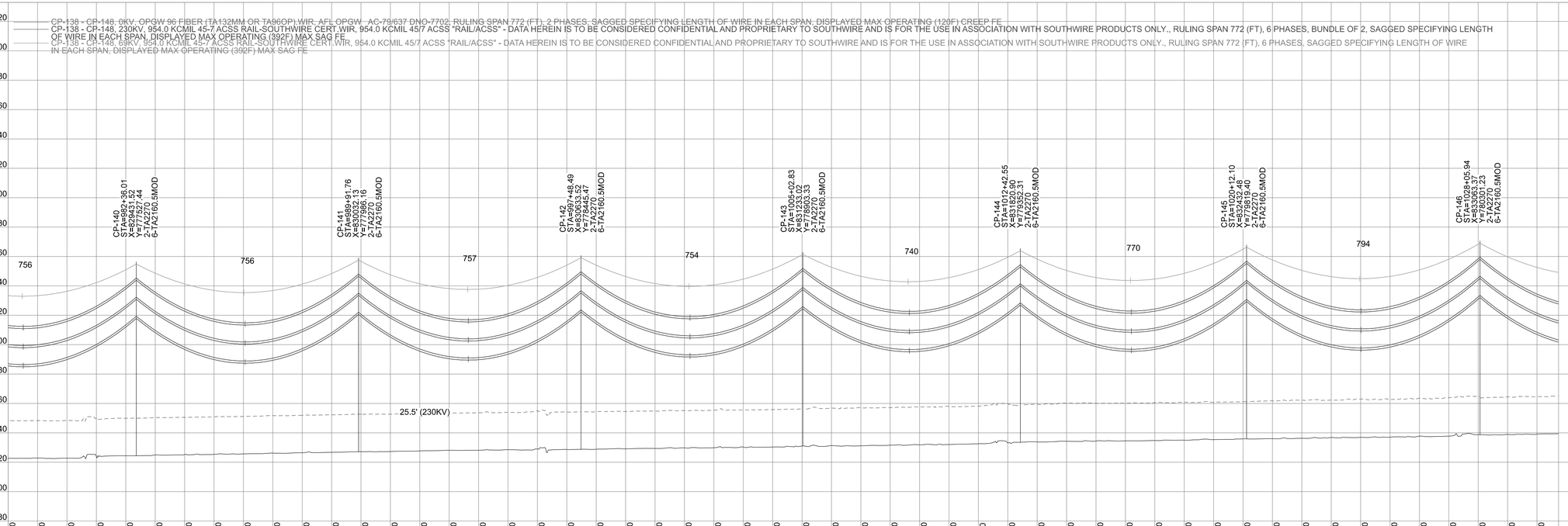
PLAN & PROFILE

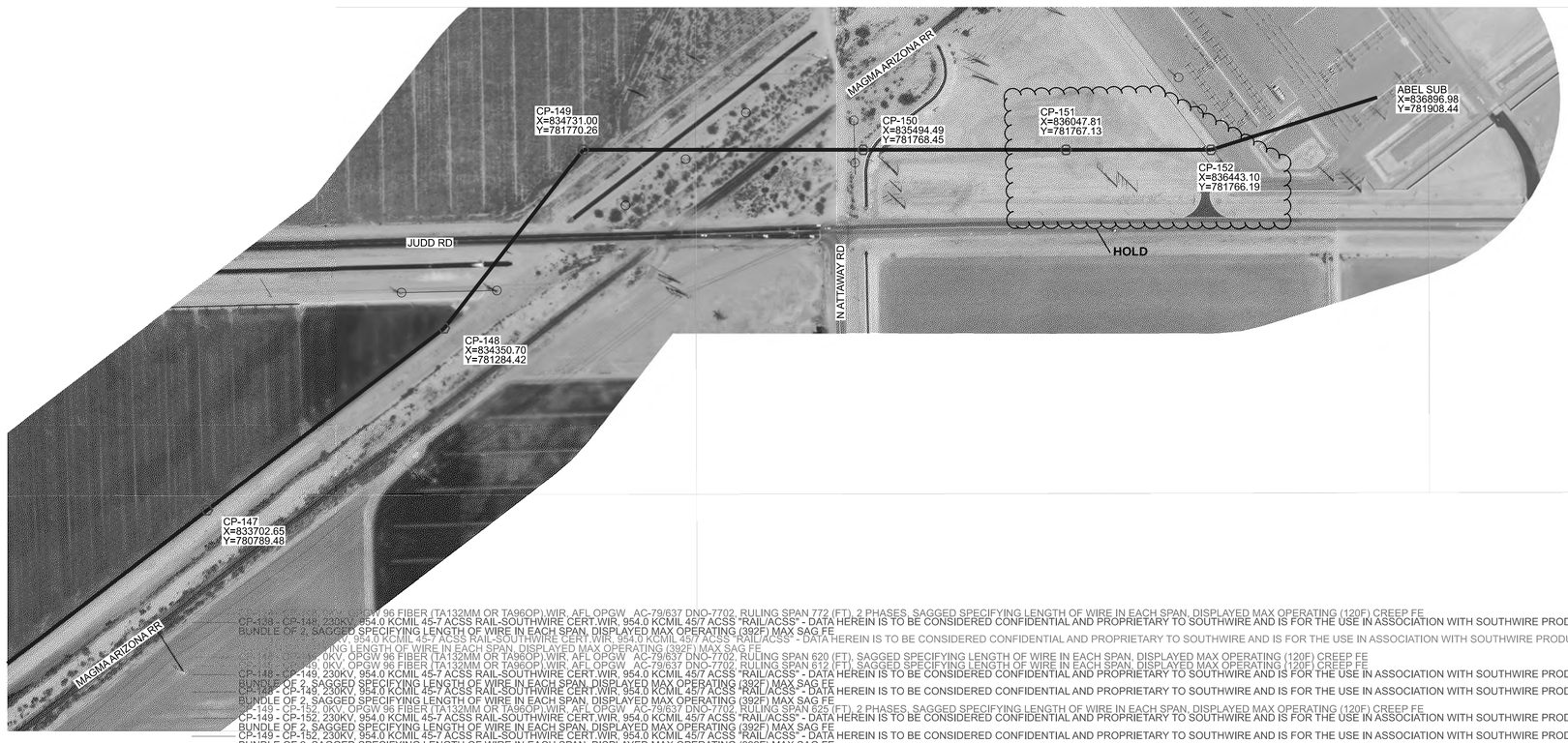
JOB # T1952486	SHEET: 52 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

CP-138 - CP-148, 0KV, OPGW 96 FIBER (TA132MM OR TA96OP) WIR, AFL OPGW, AC-79/637 DNO-7702, RULING SPAN 772 (FT), 2 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

CP-138 - CP-148, 230KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 772 (FT), 6 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-138 - CP-148, 69KV, 954.0 KCMIL 45-7 ACSS RAIL-SOUTHWIRE CERT.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 772 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE





CP-149 - CP-152, 230KV, 954.0 KCMIL 45/7 ACSS RAIL-SOUTHWIRE CERT,WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 624 (FT), 3 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-149 - CP-151, 69KV, 954.0 KCMIL 45/7 ACSS RAIL-SOUTHWIRE CERT,WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 679 (FT), 6 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

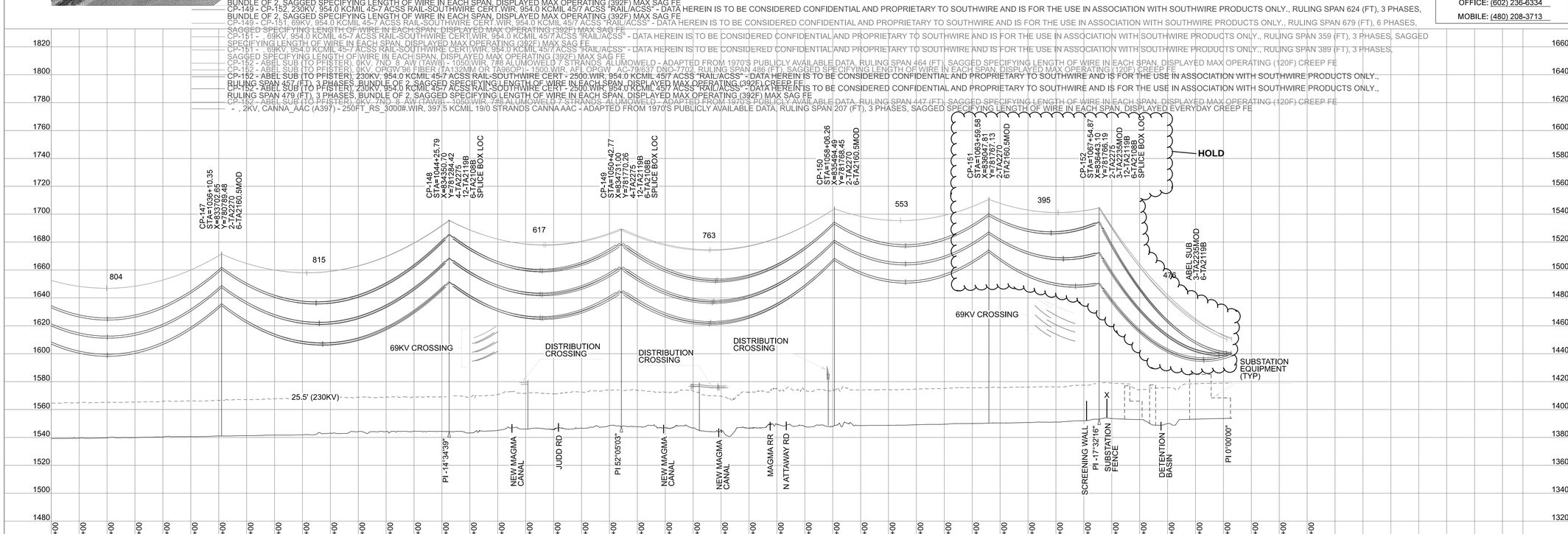
CP-151 - 69KV, 954.0 KCMIL 45/7 ACSS RAIL-SOUTHWIRE CERT,WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 359 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-152 - ABEL SUB (TO PFISTER), 0KV, OPGW 96 FIBER (TA132MM OR TA96OP),WIR, AFL OPGW, AC-79/637 DNO-7702, RULING SPAN 486 (FT), SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

CP-152 - ABEL SUB (TO PFISTER), 230KV, 954.0 KCMIL 45/7 ACSS RAIL-SOUTHWIRE CERT - 2500.WIR, 954.0 KCMIL 45/7 ACSS "RAIL/ACSS" - DATA HEREIN IS TO BE CONSIDERED CONFIDENTIAL AND PROPRIETARY TO SOUTHWIRE AND IS FOR THE USE IN ASSOCIATION WITH SOUTHWIRE PRODUCTS ONLY., RULING SPAN 479 (FT), 3 PHASES, BUNDLE OF 2, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (392F) MAX SAG FE

CP-152 - ABEL SUB (TO PFISTER), 0KV, 7NO. 8 AW (TAW8) - 1050.WIR, 7/8 ALUMOWELD - ADAPTED FROM 1970'S PUBLICLY AVAILABLE DATA, RULING SPAN 447 (FT), SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED MAX OPERATING (120F) CREEP FE

- , 2KV, CANNA_AAC (A397) - 250FT_RS_3000#.WIR, 397.5 KCMIL 19/0 STRANDS CANNA AAC - ADAPTED FROM 1970'S PUBLICLY AVAILABLE DATA, RULING SPAN 207 (FT), 3 PHASES, SAGGED SPECIFYING LENGTH OF WIRE IN EACH SPAN, DISPLAYED EVERYDAY CREEP FE



LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
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- 40-ACRE CORNER MARKER
- CONDUCTOR
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- OPGW
- ADSS CABLE

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ARIZONA811
Call 811 or click Arizona811.com

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSCH
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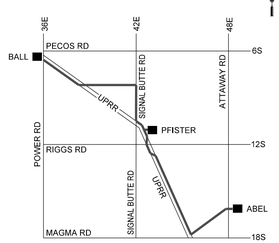
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PLAN &PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

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CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP. 00/00/0000

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	KTF

SNP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

PLAN & PROFILE

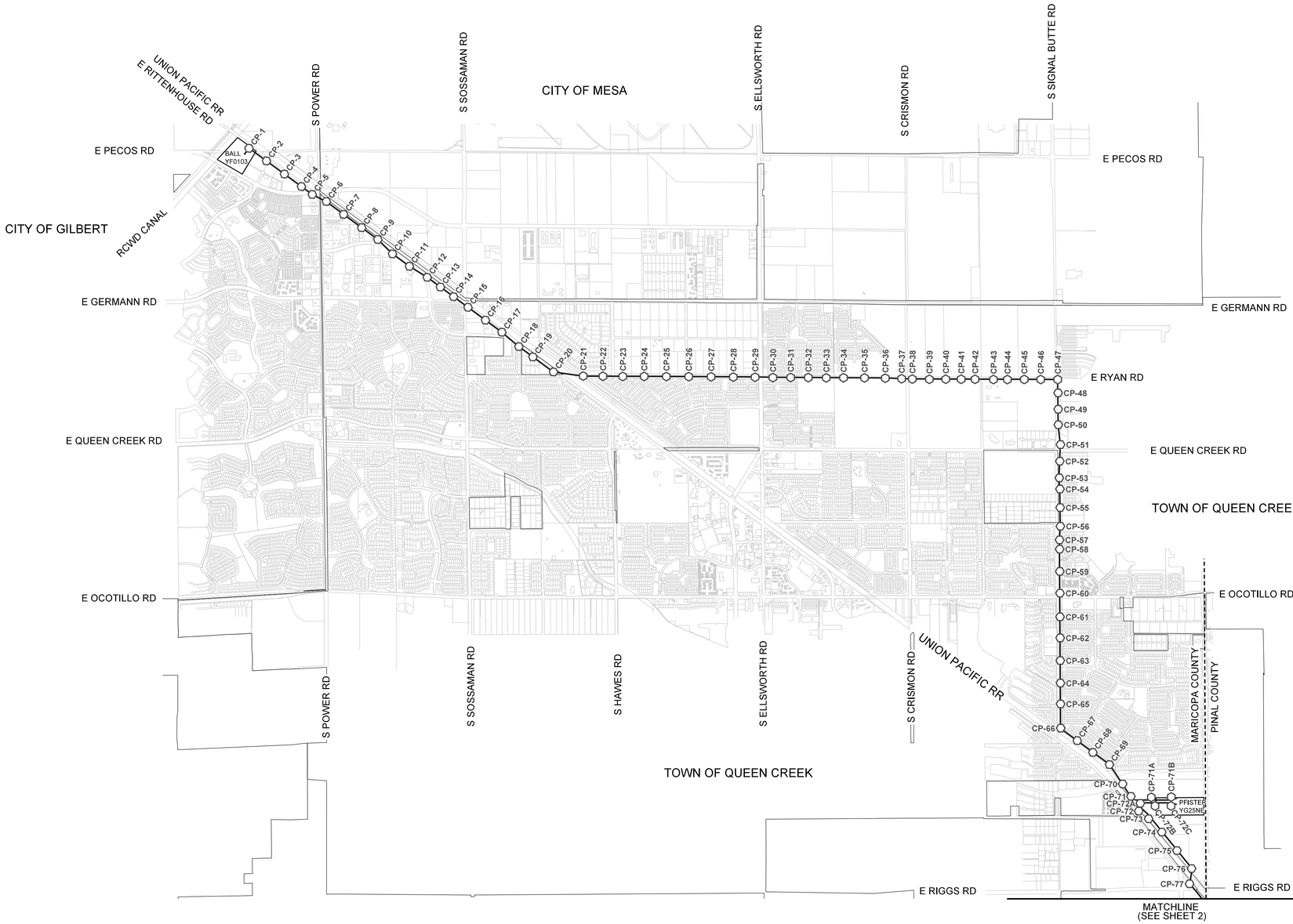
JOB # T1952486 SHEET: 53 OF 53

DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$$$date$time$$$$

SALT RIVER PROJECT

ABEL-PFISTER-BALL - NEW 230KV LINE SEGMENT
SRP PROJECT # T1952486



NOT TO SCALE

POLES/STRUCTURES:	INSTALLED	REMOVED
WOOD POLE(S):	0	0
STEEL POLE(S):	161	0
TOWER(S):	0	0
STUB POLE(S): (WOOD/STEEL)	0	0
OTHER STRUCTURE(S):	0	0

STATIC (CIRCUIT FEET):	
TRANSFERRED: (TAW8)	352
NEW: (TAW8)	1,428
REMOVED: (TAW8)	203

SKYWRAP FIBER (CIRCUIT FEET):	
TRANSFERRED:	0
ABANDONED:	0
REMOVED:	0

ADSS FIBER (CIRCUIT FEET):	
TRANSFERRED:	0
NEW:	0
REMOVED:	0

OPGW FIBER (CIRCUIT FEET):	
TRANSFERRED: (TA48)	352
NEW: (TA48)	210
NEW: (TA96)	213,277
REMOVED: (TA48)	210

CONDUCTOR (CIRCUIT FEET):	
TRANSFERRED: (1-TS1272)	562
TRANSFERRED: (1-TS954)	352
NEW: (1-TS954)	19,083
NEW: (2-TS954)	213,753
REMOVED: (1-TS1272)	210

LEGEND

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- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
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- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

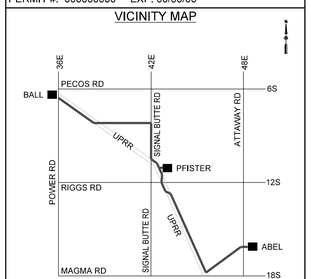
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CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

PRELIMINARY - ISSUED FOR 90%				
A	03/25/22	TGARDNER	JDJ	JDJ
REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A
PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

SRP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

COVER SHEET

JOB # T1952486	SHEET: 1 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$DateStamp$$

SALT RIVER PROJECT

ABEL-PFISTER-BALL - NEW 230KV LINE SEGMENT
SRP PROJECT # T1952486



N

NOT TO SCALE

LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
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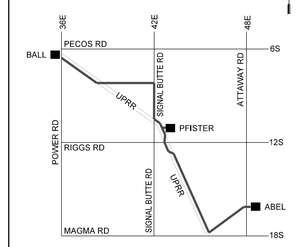
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PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

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A	03/25/22	TGARDNER	JDJ	JDJ
REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

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SRP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

COVER SHEET

JOB # T1952486	SHEET: 2 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$Date$$ $$Time$$

STATIC / FIBER DATA CHART

STRUCTURES		RULING SPAN (FT)	LINE SEGMENT	EXIST / NEW	WIRES PER SPAN	SECTION MAX INITIAL TENSION (250B)		WIRE TYPE		NOTES
FROM	TO					LEFT SIDE	RIGHT SIDE	SIZE	STRINGING CHART	
CP-1	CP-4	771	Abel-Pfister-Ball	NEW	2	2784	2784	TA96OP	T1952486-10 & 11	
CP-4	CP-15	694	Abel-Pfister-Ball	NEW	2	2784	2784	TA96OP	T1952486-10 & 11	
CP-15	CP-20	779	Abel-Pfister-Ball	NEW	2	2784	2784	TA96OP	T1952486-10 & 11	
CP-20	CP-21	1083	Abel-Pfister-Ball	NEW	2	2785	2785	TA96OP	T1952486-10 & 11	
CP-21	CP-37	725	Abel-Pfister-Ball	NEW	2	2784	2784	TA96OP	T1952486-10 & 11	
CP-37	CP-38	302	Abel-Pfister-Ball	NEW	2	2783	2783	TA96OP	T1952486-10 & 11	
CP-38	CP-47	592	Abel-Pfister-Ball	NEW	2	2785	2785	TA96OP	T1952486-10 & 11	
CP-47	CP-60	634	Abel-Pfister-Ball	NEW	2	2784	2784	TA96OP	T1952486-10 & 11	
CP-60	CP-66	812	Abel-Pfister-Ball	NEW	2	2785	2784	TA96OP	T1952486-10 & 11	
CP-66	CP-69	726	Abel-Pfister-Ball	NEW	2	2784	2784	TA96OP	T1952486-10 & 11	
CP-69	CP-71	773	Abel-Pfister-Ball	NEW	2	2784	2784	TA96OP	T1952486-10 & 11	
CP-71	CP-71B	679	Abel-Pfister-Ball	NEW	2	2784	2785	TA96OP	T1952486-10 & 11	
CP-71B	CP-72C	116	Abel-Pfister-Ball	NEW	2	300	300	TA96OP	T1952486-10 & 11	
CP-72C	CP-72A	558	Abel-Pfister-Ball	NEW	2	2784	2785	TA96OP	T1952486-10 & 11	
CP-72A	CP-72	89	Abel-Pfister-Ball	NEW	2	1174	1174	TA96OP	T1952486-10 & 11	
CP-72	CP-76	794	Abel-Pfister-Ball	NEW	2	2784	2785	TA96OP	T1952486-10 & 11	
CP-76	CP-77	550	Abel-Pfister-Ball	NEW	2	2785	2785	TA96OP	T1952486-10 & 11	
CP-77	CP-85	587	Abel-Pfister-Ball	NEW	2	2785	2785	TA96OP	T1952486-10 & 11	
CP-85	CP-86	745	Abel-Pfister-Ball	NEW	2	2784	2784	TA96OP	T1952486-10 & 11	
CP-86	CP-91	758	Abel-Pfister-Ball	NEW	2	2784	2785	TA96OP	T1952486-10 & 11	
CP-91	CP-93	740	Abel-Pfister-Ball	NEW	2	2784	2784	TA96OP	T1952486-10 & 11	
CP-93	CP-94	405	Abel-Pfister-Ball	NEW	2	2784	2784	TA96OP	T1952486-10 & 11	
CP-94	CP-95	695	Abel-Pfister-Ball	NEW	2	2784	2785	TA96OP	T1952486-10 & 11	
CP-95	CP-98	746	Abel-Pfister-Ball	NEW	2	2784	2784	TA96OP	T1952486-10 & 11	
CP-98	CP-105	768	Abel-Pfister-Ball	NEW	2	2784	2784	TA96OP	T1952486-10 & 11	
CP-105	CP-106	590	Abel-Pfister-Ball	NEW	2	2783	2783	TA96OP	T1952486-10 & 11	
CP-106	CP-108	600	Abel-Pfister-Ball	NEW	2	2785	2784	TA96OP	T1952486-10 & 11	
CP-108	CP-109	309	Abel-Pfister-Ball	NEW	2	2783	2783	TA96OP	T1952486-10 & 11	
CP-109	CP-119	639	Abel-Pfister-Ball	NEW	2	2782	2782	TA96OP	T1952486-10 & 11	
CP-119	CP-122	621	Abel-Pfister-Ball	NEW	2	2784	2785	TA96OP	T1952486-10 & 11	
CP-122	CP-129	804	Abel-Pfister-Ball	NEW	2	2785	2784	TA96OP	T1952486-10 & 11	
CP-129	CP-132	788	Abel-Pfister-Ball	NEW	2	2784	2784	TA96OP	T1952486-10 & 11	
CP-132	CP-134	689	Abel-Pfister-Ball	NEW	2	2785	2785	TA96OP	T1952486-10 & 11	
CP-134	CP-135	604	Abel-Pfister-Ball	NEW	2	2785	2785	TA96OP	T1952486-10 & 11	
CP-135	CP-137	760	Abel-Pfister-Ball	NEW	2	2784	2785	TA96OP	T1952486-10 & 11	
CP-137	CP-138	560	Abel-Pfister-Ball	NEW	2	2784	2783	TA96OP	T1952486-10 & 11	
CP-138	CP-148	771	Abel-Pfister-Ball	NEW	2	2785	2785	TA96OP	T1952486-10 & 11	
CP-148	CP-149	620	Abel-Pfister-Ball	NEW	2	2784	2782	TA96OP	T1952486-10 & 11	
CP-149	CP-152	631	Abel-Pfister-Ball	NEW	2	2784	2784	TA96OP	T1952486-10 & 11	
CP-152	ABEL SUB	447	Abel-Pfister-Ball	NEW	2	1499	1499	TA96OP	T1952486-10 & 11	
CP-152	ABEL SUB	447	Abel-Pfister-Ball	NEW	1	1050	1050	TAW8	T1952486-12	
P-175	CP-175A	508	Santan Tie-In	EXISTING	1	2934	-	TA48OP	T1952486-16	
P-175	CP-175A	511	Santan Tie-In	EXISTING	1	-	1834	TAW8	T1952486-17	
CP-175A	P-176	211	Santan Tie-In	NEW	1	1498	-	TA48OP	T1952486-16	
CP-175A	CP-175B	613	Santan Tie-In	NEW	1	-	2783	TA96OP	T1952486-18	
CP-175B	CP-1	317	Santan Tie-In	NEW	1	-	1500	TA96OP	T1952486-18	
P-176	CP-176A	361	Santan Tie-In	NEW	1	1499	-	TA96OP	T1952486-18	
CP-175A	CP-176B	413	Santan Tie-In	NEW	1	1500	-	TA96OP	T1952486-18	
CP-176B	CP-1	147	Santan Tie-In	NEW	1	1499	-	TA96OP	T1952486-18	

CONDUCTOR - WIRE DATA CHART

STRUCTURES		RULING SPAN (FT)	LINE SEGMENT	EXIST / NEW	COND PER PHASE	SECTION MAX INITIAL TENSION (250B)		CONDUCTOR		NOTES
FROM	TO					LEFT CKT	RIGHT CKT	SIZE	STRINGING CHART	
230KV CONDUCTOR DATA										
CP-1	CP-20	733	Abel-Pfister-Ball	NEW	2	4668	4664	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-20	CP-21	1082	Abel-Pfister-Ball	NEW	2	4552	4550	954-45/7 ACSS "RAIL"	T1952486-6 & 7	MARKER BALLS AT UPRR CROSSING
CP-21	CP-37	725	Abel-Pfister-Ball	NEW	2	4695	4696	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-37	CP-38	301	Abel-Pfister-Ball	NEW	2	4674	4674	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-38	CP-47	592	Abel-Pfister-Ball	NEW	2	4983	4980	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-47	CP-66	708	Abel-Pfister-Ball	NEW	2	4786	4781	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-66	CP-69	725	Abel-Pfister-Ball	NEW	2	4715	4712	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-69	CP-71	773	Abel-Pfister-Ball	NEW	2	4712	4708	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-71	CP-71B	680	Abel-Pfister-Ball	NEW	2	4734	4743	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-71B	CP-72C	119	Abel-Pfister-Ball	NEW	2	4735	4741	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-72C	CP-72A	559	Abel-Pfister-Ball	NEW	2	4817	4824	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-72A	CP-72	86	Abel-Pfister-Ball	NEW	2	4811	4819	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-72	CP-76	794	Abel-Pfister-Ball	NEW	2	4712	4712	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-76	CP-77	549	Abel-Pfister-Ball	NEW	2	4669	4673	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-77	CP-85	586	Abel-Pfister-Ball	NEW	2	4807	4807	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-85	CP-86	745	Abel-Pfister-Ball	NEW	2	4750	4746	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-86	CP-91	758	Abel-Pfister-Ball	NEW	2	4702	4701	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-91	CP-93	740	Abel-Pfister-Ball	NEW	2	4705	4707	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-93	CP-94	405	Abel-Pfister-Ball	NEW	2	4701	4702	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-94	CP-95	694	Abel-Pfister-Ball	NEW	2	4918	4918	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-95	CP-105	762	Abel-Pfister-Ball	NEW	2	4718	4716	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-105	CP-106	590	Abel-Pfister-Ball	NEW	2	4666	4663	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-106	CP-108	600	Abel-Pfister-Ball	NEW	2	4791	4792	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-108	CP-109	308	Abel-Pfister-Ball	NEW	2	4791	4793	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-109	CP-119	639	Abel-Pfister-Ball	NEW	2	4982	4982	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-119	CP-122	622	Abel-Pfister-Ball	NEW	2	4798	4799	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-122	CP-134	784	Abel-Pfister-Ball	NEW	2	4788	4790	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-134	CP-135	604	Abel-Pfister-Ball	NEW	2	4654	4655	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-135	CP-137	769	Abel-Pfister-Ball	NEW	2	4776	4776	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-137	CP-138	558	Abel-Pfister-Ball	NEW	2	4691	4688	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-138	CP-148	771	Abel-Pfister-Ball	NEW	2	4807	4795	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-148	CP-149	620	Abel-Pfister-Ball	NEW	2	4671	4669	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-149	CP-152	632	Abel-Pfister-Ball	NEW	2	4766	4771	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
CP-152	ABEL SUB	457	Abel-Pfister-Ball	NEW	2	4718	4724	954-45/7 ACSS "RAIL"	T1952486-6 & 7	
P-175	CP-175A	506	Santan Tie-In	EXISTING	1	5547	5547	1272-45/7 ACSS "BITTERN"	T1952486-14	
CP-175A	P-176	204	Santan Tie-In	EXISTING	1	2250	-	1272-45/7 ACSS "BITTERN"	T1952486-14	
CP-175A	CP-175B	610	Santan Tie-In	NEW	2	-	4766	954-45/7 ACSS "RAIL"	T1952486-13	
CP-175B	CP-1	320	Santan Tie-In	NEW	2	-	2249	954-45/7 ACSS "RAIL"	T1952486-13	
P-176	CP-176A	356	Santan Tie-In	NEW	2	2250	-	954-45/7 ACSS "RAIL"	T1952486-13	
CP-176A	CP-176B	414	Santan Tie-In	NEW	2	2250	-	954-45/7 ACSS "RAIL"	T1952486-13	
CP-176B	CP-1	143	Santan Tie-In	NEW	2	2250	-	954-45/7 ACSS "RAIL"	T1952486-13	
69KV CONDUCTOR DATA										
CP-1	CP-15	713	Abel-Pfister-Ball	NEW	1	4692	-	954-45/7 ACSS "RAIL"	T1952486-8	
CP-15	CP-20	780	Abel-Pfister-Ball	NEW	1	-	4647	954-45/7 ACSS "RAIL"	T1952486-9	
CP-76	CP-77	550	Abel-Pfister-Ball	NEW	1	4841	4843	954-45/7 ACSS "RAIL"	T1952486-8 & 9	MARKER BALLS AT UPRR CROSSING
CP-77	CP-79	686	Abel-Pfister-Ball	NEW	1	4730	4728	954-45/7 ACSS "RAIL"	T1952486-8 & 9	
CP-85	CP-86	745	Abel-Pfister-Ball	NEW	1	4733	4734	954-45/7 ACSS "RAIL"	T1952486-8 & 9	MARKER BALLS AT UPRR CROSSING

OPGW REEL ASSIGNMENT DATA TABLE

SEGMENT #	LINE SEGMENT	STRUCTURE		REEL TRACKING #	NEW OR PARTIAL	TYPE	CU	BEGINNING LENGTH ON REEL (FT)	ESTIMATED LENGTH NEEDED (FT)	ESTIMATED REMAINING LENGTH ON REEL	COMMENTS
		FROM	TO								
1-L	Abel-Pfister-Ball	CP-1	CP-20	HOLD	NEW	TA96OP	5035759	18,500	17,575	925	SPLICE BOXES: CP-1, CP-4, CP-15, CP-20
1-R	Abel-Pfister-Ball	CP-1	CP-20	HOLD	NEW	TA96OP	5035759	18,500	17,575	925	
2-L	Abel-Pfister-Ball	CP-20	CP-38	HOLD	NEW	TA96OP	5035759	15,000	14,250	750	SPLICE BOXES: CP-20, CP-38
2-R	Abel-Pfister-Ball	CP-20	CP-38	HOLD	NEW	TA96OP	5035759	15,000	14,250	750	
3-L	Abel-Pfister-Ball	CP-38	CP-60	HOLD	NEW	TA96OP	5035759	15,000	14,250	750	SPLICE BOXES: CP-38, CP-60
3-R	Abel-Pfister-Ball	CP-38	CP-60	HOLD	NEW	TA96OP	5035759	15,000	14,250	750	
4-L	Abel-Pfister-Ball	CP-60	CP-76	HOLD	NEW	TA96OP	5035759	18,750	17,813	938	SPLICE BOXES: CP-60, CP-71B, CP-72C, CP-76
4-R	Abel-Pfister-Ball	CP-60	CP-76	HOLD	NEW	TA96OP	5035759	18,750	17,813	938	
5-L	Abel-Pfister-Ball	CP-76	CP-98	HOLD	NEW	TA96OP	5035759	18,000	17,100	900	SPLICE BOXES: CP-76, CP-86, CP-98
5-R	Abel-Pfister-Ball	CP-76	CP-98	HOLD	NEW	TA96OP	5035759	18,000	17,100	900	
6-L	Abel-Pfister-Ball	CP-98	CP-119	HOLD	NEW	TA96OP	5035759	16,000	15,200	800	SPLICE BOXES: CP-98, CP-119
6-R	Abel-Pfister-Ball	CP-98	CP-119	HOLD	NEW	TA96OP	5035759	16,000	15,200	800	
7-L	Abel-Pfister-Ball	CP-119	CP-132	HOLD	NEW	TA96OP	5035759	13,000	12,350	650	SPLICE BOXES: CP-119, CP-129, CP-132
7-R	Abel-Pfister-Ball	CP-119	CP-132	HOLD	NEW	TA96OP	5035759	13,000	12,350	650	
8-L	Abel-Pfister-Ball	CP-132	CP-152	HOLD	NEW	TA96OP	5035759	18,750	17,813	938	SPLICE BOXES: CP-132, CP-148, CP-149, CP-152
8-R	Abel-Pfister-Ball	CP-132	CP-152	HOLD	NEW	TA96OP	5035759	18,750	17,813	938	
9	Santan Tie-In	CP-175A	CP-1	HOLD	NEW	TA96OP	5035759	8,000	7,600	400	NEW SPLICE BOXES: CP-175A, CP-175B, CP-176B, CP-1 EXISTING SPLICE BOX: P-176
		P-176	CP-1								
10	Santan Tie-In	CP-175A	P-176	HOLD	NEW	TA48OP	5035758	1,500	1,425	75	NEW SPLICE BOX: CP-175A EXISTING SPLICE BOX: P-176

OPGW REEL NOTES:

1. PARTIAL REELS MUST BE RETURNED TO JULIAN BRAMBILA (602) 427-8329 AT THE TEMPE POLE YARD.
2. RETURN ALL EMPTY OPGW REELS TO JULIAN BRAMBILA FOR PROCESSING.
3. DO NOT TAKE TO CENTRAL RECLAMATION SERVICES (CRS).

JOB SCOPE:

1. CONSTRUCT 161 TUBULAR STEEL MONOPOLES ON DRILLED SHAFT FOUNDATIONS AS OUTLINED BELOW:
   - A. ABEL-PFISTER-BALL: 157 STRUCTURES
   - B. SANTAN-SCHRADER TIE-IN: 4 STRUCTURES
2. CONSTRUCT THE FOLLOWING SINGLE AND DOUBLE CIRCUIT SEGMENTS:
   - A. ABEL-PFISTER-BALL: DOUBLE CIRCUIT 230KV (CP-1 TO ABEL), 2TS954 ACSS "RAIL"
     - SINGLE CIRCUIT 69KV UNDERBUILD (CP-1 TO CP-20), TS954 ACSS "RAIL"
     - DOUBLE CIRCUIT 69KV UNDERBUILD (CP-76 TO CP-79, CP-85 TO CP-86), TS954 ACSS "RAIL"
   - B. SANTAN-SCHRADER TIE-IN: SINGLE CIRCUIT 230KV (CP-175A TO CP-1), 2TS954 ACSS "RAIL"
     - SINGLE CIRCUIT 230KV (P-176 TO CP-1), 2TS954 ACSS "RAIL"
     - SINGLE CIRCUIT 230KV (CP-175A TO P-176), TS1272 ACSS "BITTERN"
     - DOUBLE CIRCUIT 69KV (CP-175A TO P-9), TS954 ACSS "RAIL"
3. CONSTRUCT TA96OP AND TA48OP FIBER FROM SPLICE BOX TO SPLICE BOX OF INDICATED STRUCTURES.
4. CONSTRUCT 2-3" CONDUITS AND RIGID RISERS TOWARDS SUBSTATION (ORIENTATION SHOWN) AT THE FOLLOWING STRUCTURES: CP-1, CP-175B, CP-176B, CP-71B, CP-72C, CP-152.
5. PRIOR TO ENERGIZING, PHASING SHALL BE VERIFIED AT THE EXISTING ABEL, SANTAN, AND SCHRADER SUBSTATION AN ON THE EXISTING 230KV/69KV SANTAN-SCHRADER TRANSMISSION LINE CIRCUITS.
6. PHASING ON ALL NEW MONOPOLE STRUCTURES SHALL BE B-A-C FROM TOP TO BOTTOM PHASE.

CONSTRUCTION NOTES:

1. CHARGE ALL 230kV WORK TO JOB # T1952486.
2. PRIOR TO MAKING ANY FIELD CHANGES, CONTACT THE TRANSMISSION LINE DESIGNER/ENGINEER FOR REVIEW AND APPROVAL.
3. PLEASE MARK ALL CHANGES ON THE DRAWINGS AND THE Z-SHEET.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGHT-OF-WAY AND STRUCTURE STAKING. RE-STAKING DUE TO DAMAGED OR DISTURBED STAKES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND AT CONTRACTOR'S EXPENSE.
5. THE INTENTION OF THIS DESIGN IS TO MAINTAIN EXISTING TENSIONS ON ALL TRANSFERRED WIRE, UNLESS NOTED OTHERWISE.

SURVEY NOTES:

1. COORDINATES ARE BASED OFF THE FOLLOWING:
   - -HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
   - -ZONE: ARIZONA CENTRAL 202
   - -UNIT: INTERNATIONAL FOOT
   - -VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
   - -COORDINATES ARE IN GRID

OPGW CONSTRUCTION NOTES:

1. NOTIFY MIKE UNSER AT (602) 809-1936 WHEN CONSTRUCTION IS STARTED.
2. NOTIFY EDMUND MACIAS (602) 359-1508 OR STEPHEN SCHUMACHER (602) 686-3487 BEFORE CONSTRUCTION IS STARTED AND VERIFY THAT COMMUNICATION TECHNICIANS WILL BE ON SITE DURING CONSTRUCTION.
3. NOTIFY THE TRANSMISSION LINE DESIGNER/ENGINEER PRIOR TO MAKING ANY FIELD CHANGES.
4. LEAVE ENOUGH TA48/96OP AT ALL SPLICE CASES TO REACH THE GROUND PLUS +80'. HAND COIL AND HANG THE EXTRA AT THE SPLICE CASE FOR THE COMMUNICATION TECHNICIANS TO SPLICE INTO THE NEW/EXISTING SPLICE CASE. SPLICE CASES ARE PROPOSED AT THE FOLLOWING LOCATIONS (FROM NORTH TO SOUTH):
   - A. SANTAN-SCHRADER TIE-IN: CP-175A, CP-175B, CP-176B
   - B. ABEL-PFISTER-BALL: CP-1, CP-4, CP-15, CP-20, CP-38, CP-60, CP-71B, CP-72C, CP-76, CP-86, CP-98, CP-119, CP-129, CP-132, CP-148, CP-149, CP-152
5. INSTALL THE OPGW ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811 BLUE STAKE, INC.

Call 811 or click Arizona811.com

COMPLETED:

BY:

CHANGES: ☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

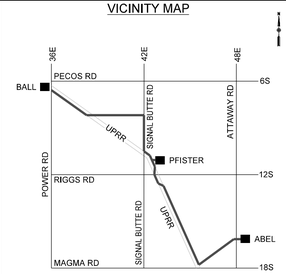
SHEET INDEX:

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PLAN & DETAIL SHEETS	6-22
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DETAIL SHEETS	28-31
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RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

SNP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

INFO NOTES AND DATA SHEET

JOB # T1952486	SHEET: 3 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$$$DateStamp$$$$

CONSTRUCT POLE DATA CHART

POLE NO.	STRUCTURE TYPE	LOADING DRAWINGS	COMPATIBLE UNIT	STRUCTURE HEIGHT (FT)	STRUCTURE WEIGHT (LBS)	QTY POLE SECTIONS	ANCHOR BOLT PIER FOUNDATION		EASTING (FT)	NORTHING (FT)	APPROX GROUND ELEVATION (FT)	QTY / QUAD	DIRECTION	DIA (IN)	POLE NUMBER
							DIAMETER (IN)	DEPTH (FT)							
CP-1	HEAVY DEADEND (60-100°)	T3135615-2.5 / T1952486-2.5	HOLD	140	90,863	3	HOLD	HOLD	767850.750	834174.920	1323.25	2 / SOUTHWEST	SOUTHWEST	3"	CP-1
CP-2	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	768478.390	833715.106	1326.46	-	-	-	CP-2
CP-3	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	769099.610	833259.995	1330.03	-	-	-	CP-3
CP-4	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	135	31,864	3	HOLD	HOLD	769709.768	832812.989	1331.05	-	-	-	CP-4
CP-5	BRACED POST TANGENT (5-10°)	T3135615-2.9	HOLD	135	41,711	3	HOLD	HOLD	770123.630	832509.790	1334.88	-	-	-	CP-5
CP-6	BRACED POST TANGENT (5-10°)	T3135615-2.9	HOLD	130	39,496	3	HOLD	HOLD	770604.620	832270.410	1333.88	-	-	-	CP-6
CP-7	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	145	36,549	4	HOLD	HOLD	771241.904	831802.665	1339.31	-	-	-	CP-7
CP-8	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	140	33,797	3	HOLD	HOLD	771890.355	831326.724	1341.00	-	-	-	CP-8
CP-9	BRACED POST TANGENT (5-10°)	T3135615-2.9	HOLD	140	44,654	3	HOLD	HOLD	772453.463	830908.796	1341.86	-	-	-	CP-9
CP-10	BRACED POST TANGENT (5-10°)	T3135615-2.9	HOLD	135	41,711	3	HOLD	HOLD	772973.930	830398.580	1345.90	-	-	-	CP-10
CP-11	BRACED POST TANGENT (3-5°)	T1952486-2.2	HOLD	140	36,043	3	HOLD	HOLD	773580.600	829951.350	1347.24	-	-	-	CP-11
CP-12	BRACED POST TANGENT (3-5°)	T1952486-2.2	HOLD	135	34,214	3	HOLD	HOLD	774227.880	829549.870	1350.69	-	-	-	CP-12
CP-13	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	135	31,864	3	HOLD	HOLD	774700.464	829202.466	1355.14	-	-	-	CP-13
CP-14	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	135	31,864	3	HOLD	HOLD	775159.439	828865.068	1355.28	-	-	-	CP-14
CP-15	BRACED POST TANGENT (0-3°) W/ 69KV DEADEND	T1952486-2.3 / T1952486-2.7	HOLD	140	36,624	3	HOLD	HOLD	775676.806	828484.744	1357.45	-	-	-	CP-15
CP-16	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	135	31,864	3	HOLD	HOLD	776306.373	828021.940	1360.62	-	-	-	CP-16
CP-17	BRACED POST TANGENT (3-5°)	T1952486-2.2	HOLD	140	36,043	3	HOLD	HOLD	776899.410	827585.990	1362.91	-	-	-	CP-17
CP-18	BRACED POST TANGENT (3-5°)	T1952486-2.1	HOLD	135	34,214	3	HOLD	HOLD	777497.366	827077.076	1364.66	-	-	-	CP-18
CP-19	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	140	33,797	3	HOLD	HOLD	778021.710	826690.840	1366.03	-	-	-	CP-19
CP-20	LIGHT DEADEND (0-30°)	T3135615-2.3 / T1952486-2.6	HOLD	145	77,080	5	HOLD	HOLD	778736.880	826164.040	1367.82	-	-	-	CP-20
CP-21	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	145	62,715	4	HOLD	HOLD	779813.630	826012.960	1370.80	-	-	-	CP-21
CP-22	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	105	19,213	2	HOLD	HOLD	780513.278	826014.164	1371.97	-	-	-	CP-22
CP-23	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	105	19,213	2	HOLD	HOLD	781224.241	826011.628	1374.62	-	-	-	CP-23
CP-24	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	105	19,213	2	HOLD	HOLD	781997.884	826007.520	1376.92	-	-	-	CP-24
CP-25	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	105	19,213	2	HOLD	HOLD	782776.889	826003.384	1379.45	-	-	-	CP-25
CP-26	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	105	19,213	2	HOLD	HOLD	783579.763	825999.121	1382.60	-	-	-	CP-26
CP-27	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	105	19,213	2	HOLD	HOLD	784381.226	825994.866	1385.67	-	-	-	CP-27
CP-28	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	105	19,213	2	HOLD	HOLD	785179.309	825990.628	1388.69	-	-	-	CP-28
CP-29	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	120	23,412	3	HOLD	HOLD	785962.103	825986.472	1392.44	-	-	-	CP-29
CP-30	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	115	21,822	3	HOLD	HOLD	786603.692	825972.851	1396.66	-	-	-	CP-30
CP-31	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	100	17,068	2	HOLD	HOLD	787228.871	825969.158	1398.46	-	-	-	CP-31
CP-32	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	100	17,068	2	HOLD	HOLD	787876.862	825965.330	1401.78	-	-	-	CP-32
CP-33	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	115	21,822	3	HOLD	HOLD	788507.670	825961.604	1403.62	HOLD	-	-	CP-33
CP-34	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	115	21,822	3	HOLD	HOLD	789127.805	825962.641	1406.60	-	-	-	CP-34
CP-35	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	100	17,068	2	HOLD	HOLD	789876.205	825956.903	1409.19	-	-	-	CP-35
CP-36	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	100	17,068	2	HOLD	HOLD	790623.708	825951.171	1411.42	-	-	-	CP-36
CP-37	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	115	42,944	3	HOLD	HOLD	791248.491	825922.877	1412.78	-	-	-	CP-37
CP-38	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	115	42,944	3	HOLD	HOLD	791551.150	825913.260	1414.87	-	-	-	CP-38
CP-39	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	95	15,805	2	HOLD	HOLD	792201.180	825910.966	1416.80	-	-	-	CP-39
CP-40	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	95	15,805	2	HOLD	HOLD	792800.684	825908.850	1419.74	-	-	-	CP-40
CP-41	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	95	15,805	2	HOLD	HOLD	793351.442	825906.907	1421.44	-	-	-	CP-41
CP-42	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	105	19,213	2	HOLD	HOLD	793850.699	825905.145	1422.96	-	-	-	CP-42
CP-43	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	105	19,213	2	HOLD	HOLD	794501.078	825902.850	1424.89	-	-	-	CP-43
CP-44	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	105	19,213	2	HOLD	HOLD	795001.319	825901.084	1426.82	-	-	-	CP-44
CP-45	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	110	19,392	3	HOLD	HOLD	795600.830	825898.969	1428.39	-	-	-	CP-45
CP-46	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	115	21,822	3	HOLD	HOLD	796199.984	825896.854	1430.12	-	-	-	CP-46
CP-47	HEAVY DEADEND (60-100°)	T3135615-2.5	HOLD	130	79,940	3	HOLD	HOLD	796804.064	825894.722	1431.17	-	-	-	CP-47
CP-48	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	120	25,740	3	HOLD	HOLD	796809.210	825425.310	1431.83	-	-	-	CP-48
CP-49	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	125	27,852	3	HOLD	HOLD	796814.789	824839.491	1432.67	-	-	-	CP-49
CP-50	BRACED POST TANGENT (5-10°)	T3135615-2.9	HOLD	130	39,496	3	HOLD	HOLD	796820.480	824259.680	1434.50	-	-	-	CP-50
CP-51	BRACED POST TANGENT (5-10°)	T3135615-2.9	HOLD	135	41,711	3	HOLD	HOLD	796897.620	823570.720	1435.39	-	-	-	CP-51
CP-52	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	125	27,852	3	HOLD	HOLD	796874.527	822969.773	1435.68	-	-	-	CP-52
CP-53	BRACED POST TANGENT (5-10°)	T3135615-2.9	HOLD	130	39,496	3	HOLD	HOLD	796851.555	822370.540	1438.08	-	-	-	CP-53
CP-54	BRACED POST TANGENT (3-5°)	T1952486-2.2	HOLD	125	28,922	3	HOLD	HOLD	796879.330	821971.010	1435.58	-	-	-	CP-54
CP-55	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	125	27,852	3	HOLD	HOLD	796886.830	821289.646	1434.04	-	-	-	CP-55
CP-56	BRACED POST TANGENT (3-5°)	T1952486-2.2	HOLD	125	28,922	3	HOLD	HOLD	796894.190	820620.920	1434.05	-	-	-	CP-56
CP-57	BRACED POST TANGENT (3-5°)	T1952486-2.2	HOLD	125	28,922	3	HOLD	HOLD	796865.874	820145.998	1433.78	-	-	-	CP-57
CP-58	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	120	25,740	3	HOLD	HOLD	796869.220	819818.811	1434.08	-	-	-	CP-58
CP-59	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	135	31,864	3	HOLD	HOLD	796877.377	819021.341	1431.76	-	-	-	CP-59
CP-60	BRACED POST TANGENT (0-3°) W/ 69KV DEADEND	T1952486-2.3	HOLD	140	36,624	3	HOLD	HOLD	796885.386	818238.231	1432.53	-	-	-	CP-60
CP-61	BRACED POST TANGENT (0-3°) W/ 69KV DEADEND	T1952486-2.3	HOLD	135	34,792	3	HOLD	HOLD	796894.030	817393.120	1431.40	-	-	-	CP-61
CP-62	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	135	31,864	3	HOLD	HOLD	796884.170	816641.890	1436.79	-	-	-	CP-62
CP-63	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	135	31,864	3	HOLD	HOLD	796889.718	815829.635	1435.65	-	-	-	CP-63
CP-64	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	135	31,864	3	HOLD	HOLD	796895.224	815023.655	1438.72	-	-	-	CP-64
CP-65	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	140	33,797	3	HOLD	HOLD	796900.348	814273.482	1439.24	-	-	-	CP-65
CP-66	MEDIUM DEADEND (30-60°)	T3135615-2.4	HOLD	150	86,671	4	HOLD	HOLD	796906.410	813385.990	1440.99	-	-	-	CP-66
CP-67	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	797498.800	812950.183	1443.09	-	-	-	CP-67
CP-68	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	798074.011	812527.014	1445.81	-	-	-	CP-68
CP-69	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	140	67,313	4	HOLD	HOLD	798663.071	812093.657	1448.59	-	-	-	CP-69
CP-70	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	135	31,864	3	HOLD	HOLD	799127.319	811388.433	1446.29	-	-	-	CP-70
CP-71	MEDIUM DEADEND (30-60°)	T3135615-2.4	HOLD	140	77,977	3	HOLD	HOLD	799498.577	810824.467	1450.85	-	-	-	CP-71
CP-71A	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	125	27,852	3	HOLD	HOLD	800150.540	810824.467	1453.82	-	-	-	CP-71A
CP-71B	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	130	60,505	4	HOLD	HOLD	800849.010	810824.467	1454.26	2 / SOUTHEAST	SOUTHEAST	3"	CP-71B
CP-72C	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	130	60,505	4	HOLD	HOLD	800850.116	810724.513	1454.86	2 / SOUTHEAST	SOUTHEAST	3"	CP-72C
CP-72B	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	120	25,740	3	HOLD	HOLD	800270.342	810724.513	1455.23	-	-	-	CP-72B
CP-72A	MEDIUM DEADEND (30-60°)	T3135615-2.4	HOLD	130	67,826	3	HOLD	HOLD	799742.531	810724.513	1451.74	-	-	-	CP-72A
CP-72	HEAVY DEADEND (60-100°)	T3135615-2.5	HOLD	130	79,940	3	HOLD	HOLD	799666.922	810655.162	1450.90	-	-	-	CP-72
CP-73	BRACED POST TANGENT (5-10°)	T3135615-2.9	HOLD	140	44,654	3	HOLD	HOLD	800030.126	810322.672	1451.87	-	-	-	CP-73
CP-74	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	140	33,797	3	HOLD	HOLD	800550.118	809681.020	1454.52	-	-	-	CP-74
CP-75	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	140	33,797	3	HOLD	HOLD	801081.983	809024.716	1458.51	-	-	-	CP-75
CP-76	MEDIUM DEADEND (30-60°)	T3135615-2.4	HOLD	140	77,977	3	HOLD	HOLD	801613.732	808368.556	1456.82	-	-	-	CP-76
CP-77	MEDIUM DEADEND (30-60°)	T3135615-2.4	HOLD	155	93,215	4	HOLD	HOLD	801540.955	807822.747	1458.19	-	-	-	CP-77
CP-78	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	150	38,387	4	HOLD	HOLD	802000.184	807256.696	1458.79	-	-	-	CP-78
CP-79	BRACED POST TANGENT (0-3°) W/ 69KV DEADEND	T1952486-2.3	HOLD	135	34,792	3	HOLD	HOLD	802382.475	806744.864	1460.74	-	-	-	CP-79
CP-80	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	120	25,740	3	HOLD	HOLD	802722.571	806324.302	1460.94	-	-	-	CP-80
CP-81	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	120	25,740	3	HOLD	HOLD	803062.630	805903.786	1464.28	-	-	-	CP-81
CP-82	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	120	25,740	3	HOLD	HOLD	803402.944	805482.955	1465.29	-	-	-	CP-82
CP-83	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	803742.983	805062.463	1465.70	-	-	-	CP-83
CP-84	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	804083.100	804641.874	1469.00	-	-	-	CP-84
CP-85	MEDIUM DEADEND (30-60°)	T3135615-2.4	HOLD	155	93,215	4	HOLD	HOLD	804424.854	804224.213	1470.32	-	-	-	CP-85
CP-86	MEDIUM DEADEND (30-60°)	T3135615-2.4	HOLD	150	86,671	4	HOLD	HOLD	805122.110	803958.524	1471.77	-	-	-	CP-86
CP-87	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	805586.940	803384.829	1473.48	-	-	-	CP-87
CP-88	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	806074.808	802782.701	1476.64	-	-	-	CP-88
CP-89	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	135	31,864	3	HOLD	HOLD	806551.364	802194.535	1479.93	-	-	-	CP-89
CP-90	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	140	33,797	3	HOLD	HOLD	807029.197	801604.791	1480.05	-	-	-	CP-90

Contact Arizona 811 at least two full working days before you begin excavation

Call 811 or click Arizona811.com

COMPLETED:

BY:

CHANGES:
☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

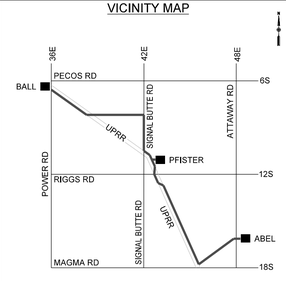
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RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

SRP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

INFO NOTES AND DATA SHEET

JOB # T1952486	SHEET: 4 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$DateStamp$$

CONSTRUCT POLE DATA CHART

POLE NO.	STRUCTURE TYPE	LOADING DRAWINGS	COMPATIBLE UNIT	STRUCTURE HEIGHT (FT)	STRUCTURE WEIGHT (LBS)	QTY POLE SECTIONS	ANCHOR BOLT PIER FOUNDATION		EASTING (FT)	NORTHING (FT)	APPROX GROUND ELEVATION (FT)	QTY / QUAD	DIRECTION	DIA (IN)	POLE NUMBER
							DIAMETER (IN)	DEPTH (FT)							
CP-91	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	155	85,906	5	HOLD	HOLD	807505.155	801017.362	1479.68	-	-	-	CP-91
CP-92	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	140	33,797	3	HOLD	HOLD	808037.018	800463.713	1484.08	-	-	-	CP-92
CP-93	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	150	80,952	5	HOLD	HOLD	808507.490	799935.520	1484.45	-	-	-	CP-93
CP-94	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	160	91,508	5	HOLD	HOLD	808645.650	799553.910	1484.86	-	-	-	CP-94
CP-95	LIGHT DEADEND (0-30°)	T3135615-2.3 / T1952486-2.7	HOLD	180	116,091	5	HOLD	HOLD	809111.240	799034.480	1483.77	-	-	-	CP-95
CP-96	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	135	31,864	3	HOLD	HOLD	809649.578	798370.064	1487.02	-	-	-	CP-96
CP-97	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	135	31,864	3	HOLD	HOLD	810066.596	797855.381	1487.51	-	-	-	CP-97
CP-98	BRACED POST TANGENT (0-3°) W/ 69KV DEADEND	T1952486-2.3	HOLD	135	34,792	3	HOLD	HOLD	810491.134	797331.417	1487.61	-	-	-	CP-98
CP-99	BRACED POST TANGENT (0-3°) W/ 69KV DEADEND	T1952486-2.3	HOLD	135	34,792	3	HOLD	HOLD	810905.126	796820.468	1487.73	-	-	-	CP-99
CP-100	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	811408.390	796199.342	1490.65	-	-	-	CP-100
CP-101	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	811898.490	795594.461	1491.49	-	-	-	CP-101
CP-102	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	812371.867	795010.219	1492.35	-	-	-	CP-102
CP-103	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	140	33,797	3	HOLD	HOLD	812847.845	794422.769	1492.94	-	-	-	CP-103
CP-104	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	150	38,387	4	HOLD	HOLD	813332.214	793824.961	1494.71	-	-	-	CP-104
CP-105	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	130	60,505	4	HOLD	HOLD	813858.138	793175.867	1495.40	-	-	-	CP-105
CP-106	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	130	60,505	4	HOLD	HOLD	814368.261	792876.737	1496.10	-	-	-	CP-106
CP-107	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	120	25,740	3	HOLD	HOLD	814743.845	792413.128	1496.70	-	-	-	CP-107
CP-108	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	130	60,505	4	HOLD	HOLD	815121.863	791946.516	1496.87	-	-	-	CP-108
CP-109	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	130	60,505	4	HOLD	HOLD	815250.500	791665.165	1496.75	-	-	-	CP-109
CP-110	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	125	27,852	3	HOLD	HOLD	815685.688	791120.151	1496.71	-	-	-	CP-110
CP-111	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	816122.149	790573.544	1499.16	-	-	-	CP-111
CP-112	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	125	27,852	3	HOLD	HOLD	816564.769	790019.223	1499.49	-	-	-	CP-112
CP-113	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	125	27,852	3	HOLD	HOLD	816988.338	789488.760	1500.59	-	-	-	CP-113
CP-114	BRACED POST TANGENT (5-10°)	T3135615-2.9	HOLD	130	39,496	3	HOLD	HOLD	817362.964	789019.593	1501.79	-	-	-	CP-114
CP-115	BRACED POST TANGENT (5-10°)	T3135615-2.9	HOLD	130	39,496	3	HOLD	HOLD	817682.930	788486.807	1502.51	-	-	-	CP-115
CP-116	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	120	25,740	3	HOLD	HOLD	818044.310	788040.765	1503.48	-	-	-	CP-116
CP-117	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	125	27,852	3	HOLD	HOLD	818406.549	787593.665	1504.00	-	-	-	CP-117
CP-118	HEAVY TANGENT (5-20°)	T3135615-2.9	HOLD	145	55,302	4	HOLD	HOLD	818771.864	787142.767	1504.26	-	-	-	CP-118
CP-119	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	130	60,505	4	HOLD	HOLD	819264.690	786825.640	1504.96	-	-	-	CP-119
CP-120	BRACED POST TANGENT (0-3°) W/ 69KV DEADEND	T1952486-2.3	HOLD	145	42,185	4	HOLD	HOLD	819635.625	786354.332	1503.25	-	-	-	CP-120
CP-121	HEAVY TANGENT (5-20°)	T3135615-2.8	HOLD	150	57,791	4	HOLD	HOLD	820047.778	785830.653	1504.54	-	-	-	CP-121
CP-122	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	140	67,313	4	HOLD	HOLD	820254.794	785283.336	1505.55	-	-	-	CP-122
CP-123	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	135	31,864	3	HOLD	HOLD	820760.076	784660.791	1508.15	-	-	-	CP-123
CP-124	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	821265.083	784038.587	1510.04	-	-	-	CP-124
CP-125	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	821767.597	783419.453	1512.75	-	-	-	CP-125
CP-126	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	822276.442	782792.519	1513.26	-	-	-	CP-126
CP-127	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	135	31,864	3	HOLD	HOLD	822762.946	782193.111	1514.43	-	-	-	CP-127
CP-128	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	155	40,895	4	HOLD	HOLD	823280.666	781555.242	1514.41	-	-	-	CP-128
CP-129	BRACED POST TANGENT (0-3°) W/ 69KV DEADEND	T1952486-2.3	HOLD	155	49,690	4	HOLD	HOLD	823801.349	780913.724	1519.83	-	-	-	CP-129
CP-130	BRACED POST TANGENT (0-3°) W/ 69KV DEADEND	T1952486-2.3	HOLD	145	42,185	4	HOLD	HOLD	824321.118	780273.331	1517.52	-	-	-	CP-130
CP-131	BRACED POST TANGENT (0-3°) W/ 69KV DEADEND	T1952486-2.3	HOLD	150	44,145	4	HOLD	HOLD	824840.582	779633.313	1516.40	-	-	-	CP-131
CP-132	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	825277.680	779094.778	1517.00	-	-	-	CP-132
CP-133	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	125	27,852	3	HOLD	HOLD	825708.346	778564.166	1517.98	-	-	-	CP-133
CP-134	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	135	64,671	4	HOLD	HOLD	826147.704	778022.845	1517.25	-	-	-	CP-134
CP-135	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	140	67,313	4	HOLD	HOLD	826689.221	777752.301	1518.20	-	-	-	CP-135
CP-136	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	135	31,864	3	HOLD	HOLD	827170.103	777159.820	1521.07	-	-	-	CP-136
CP-137	MEDIUM DEADEND (30-60°)	T3135615-2.4	HOLD	130	67,826	3	HOLD	HOLD	827661.601	776554.260	1521.97	-	-	-	CP-137
CP-138	MEDIUM DEADEND (30-60°)	T3135615-2.4	HOLD	130	67,826	3	HOLD	HOLD	828228.367	776608.551	1520.41	-	-	-	CP-138
CP-139	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	828830.899	777068.729	1522.19	-	-	-	CP-139
CP-140	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	829431.516	777527.444	1524.42	-	-	-	CP-140
CP-141	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	830032.133	777986.159	1527.13	-	-	-	CP-141
CP-142	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	830633.525	778445.465	1528.78	-	-	-	CP-142
CP-143	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	831233.022	778903.325	1531.03	-	-	-	CP-143
CP-144	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	831820.897	779352.309	1533.54	-	-	-	CP-144
CP-145	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	832432.483	779819.401	1535.91	-	-	-	CP-145
CP-146	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	833063.366	780301.231	1538.66	-	-	-	CP-146
CP-147	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	130	30,192	3	HOLD	HOLD	833702.655	780789.481	1541.01	-	-	-	CP-147
CP-148	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	150	80,952	5	HOLD	HOLD	834350.705	781284.423	1544.12	-	-	-	CP-148
CP-149	MEDIUM DEADEND (30-60°)	T3135615-2.4	HOLD	140	77,977	3	HOLD	HOLD	834730.997	781770.263	1547.80	-	-	-	CP-149
CP-150	BRACED POST TANGENT (0-3°)	T1952486-2.1	HOLD	155	40,895	4	HOLD	HOLD	835494.488	781768.447	1548.47	-	-	-	CP-150
CP-151	BRACED POST TANGENT (0-3°) W/ 69KV DEADEND	T1952486-2.4	HOLD	160	61,184	4	HOLD	HOLD	836047.807	781767.130	1550.21	-	-	-	CP-151
CP-152	LIGHT DEADEND (0-30°)	T3135615-2.3 / T1952486-2.8	HOLD	150	64,293	4	HOLD	HOLD	836443.100	781766.190	1553.13	2 / NORTHEAST	NORTHEAST	3"	CP-152
CP-175A	HEAVY DEADEND (60-100°)	T3135615-2.5 / T1952486-2.7	HOLD	120	69,592	3	HOLD	HOLD	767076.436	834692.030	1324.11	-	-	-	CP-175A
CP-175B	HEAVY DEADEND (60-100°)	T3135615-2.5	HOLD	140	90,863	3	HOLD	HOLD	767606.408	834349.029	1322.11	2 / SOUTHWEST	SOUTHWEST	3"	CP-175B
CP-176A	LIGHT DEADEND (0-30°)	T3135615-2.3	HOLD	150	80,952	5	HOLD	HOLD	767447.440	834567.290	1323.24	-	-	-	CP-176A
CP-176B	HEAVY DEADEND (60-100°)	T3135615-2.5	HOLD	140	90,863	3	HOLD	HOLD	767766.453	834314.801	1322.69	2 / SOUTHWEST	SOUTHWEST	3"	CP-176B

HOLD

NOTES:

1. SEE DRAWING T-1952486-1.3 FOR ADDITIONAL NOTES AND PROJECT INFORMATION.

Contact Arizona 811 at least two full working days before you begin excavation

Call 811 or click Arizona811.com

COMPLETED:

BY:

CHANGES:
☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

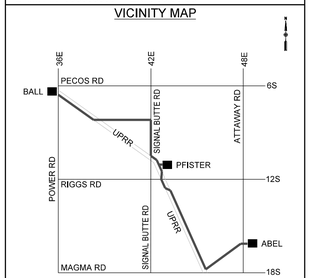
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INFO, NOTES & DATA SHEET	3-5
PLAN & DETAIL SHEETS	6-22
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DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
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CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

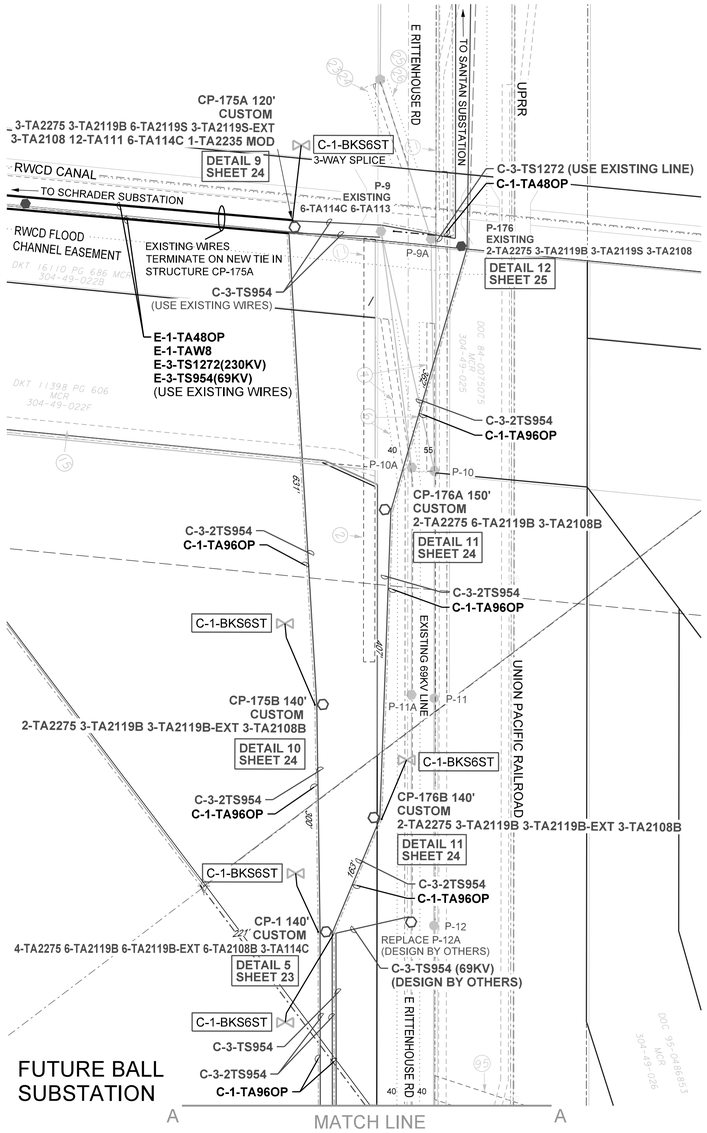
INFO NOTES AND DATA SHEET

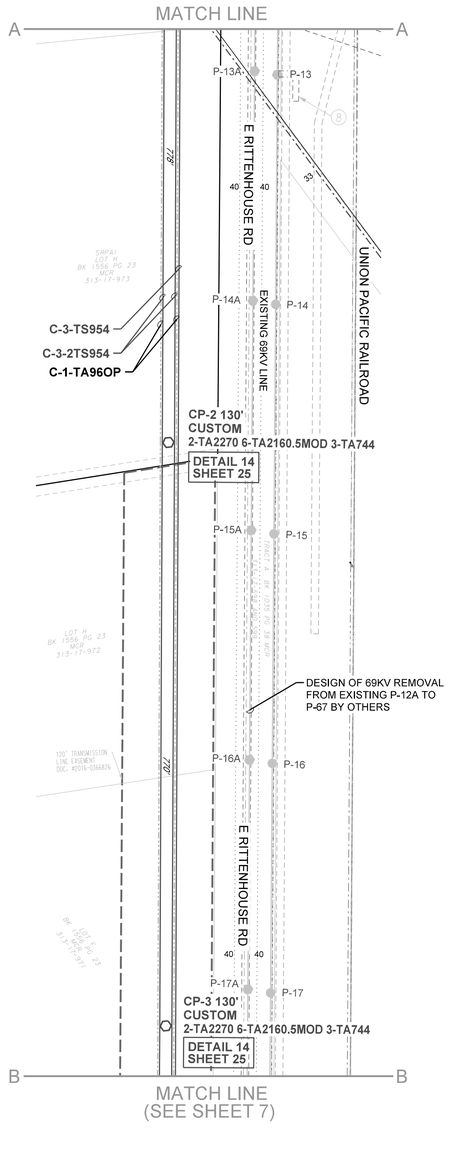
JOB # T1952486 SHEET: 5 OF 53

DISTRIBUTION CODE DWG SIZE

TD1.5A, CO, PI + 10 22 X 34

$$$$DateTime$$$$





1" = 100'

LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
- PROPOSED TOWER
- REINFORCED WOOD POLE
- EXISTING FIBER SPLICE CASE
- PROPOSED FIBER SPLICE CASE
- SINGLE DOWN GUY AND ANCHOR
- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

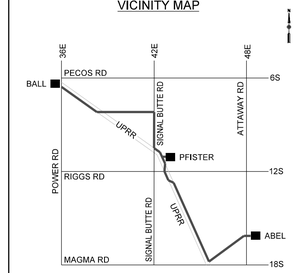
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PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811 BLUE STAKE, INC.
Call 811 or click Arizona811.com

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

TRANSMISSION LINE DESIGN

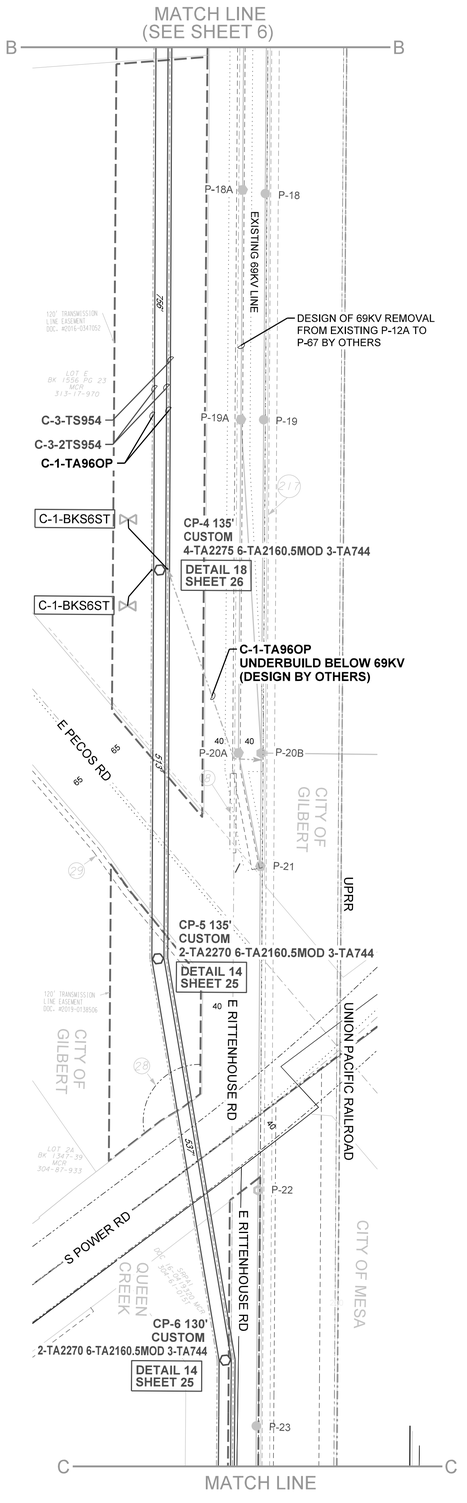
ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

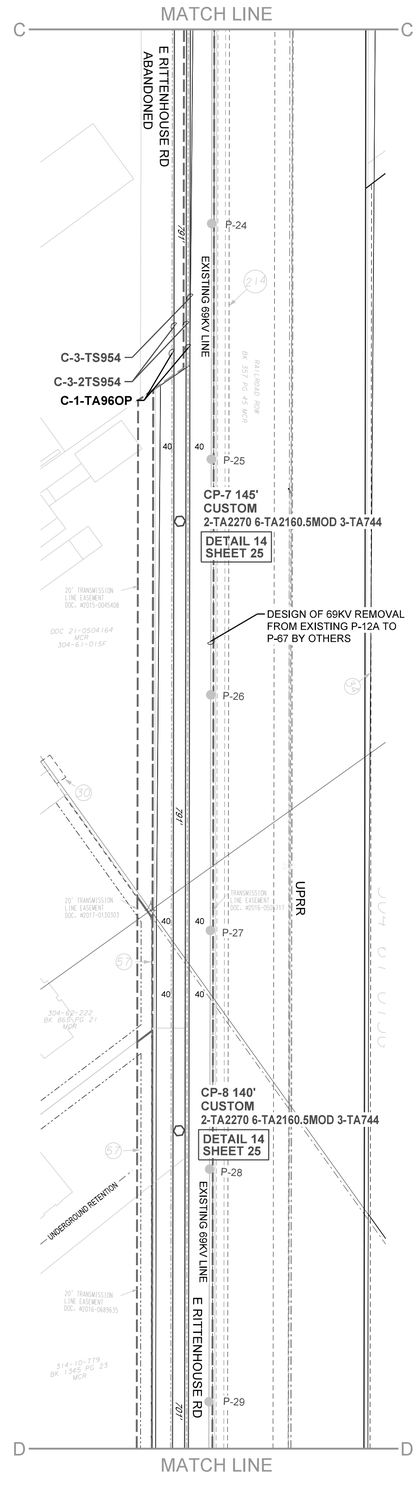
(CP175A - CP3)
PLAN & DETAILS SHEET

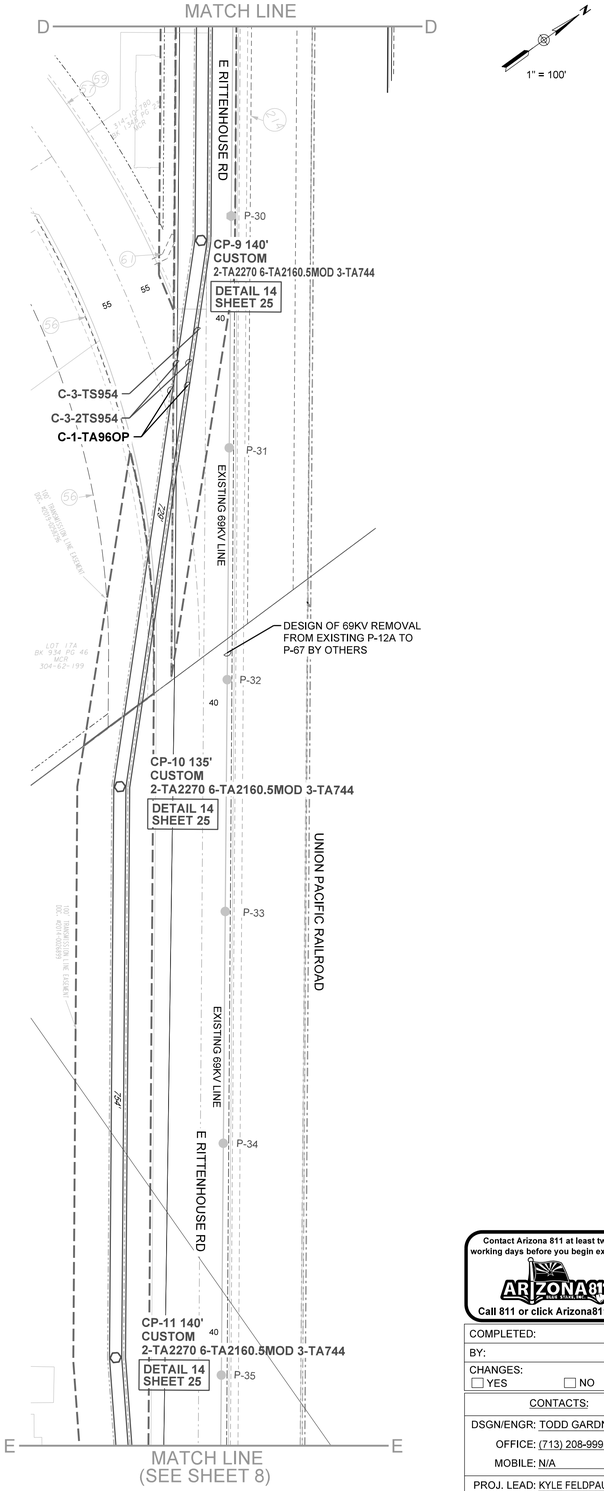
JOB # T1952486 SHEET: 6 OF 53

DISTRIBUTION CODE	DWG SIZE
TD1,5A, CO, PI + 10	22 X 34

$$DateTime12amp$$







1" = 100'

LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
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- REINFORCED WOOD POLE
- EXISTING FIBER SPLICE CASE
- PROPOSED FIBER SPLICE CASE
- SINGLE DOWN GUY AND ANCHOR
- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

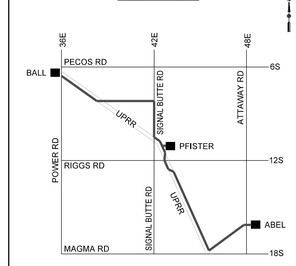
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DETAIL SHEETS	28-31
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RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

SRP TRANSMISSION LINE DESIGN

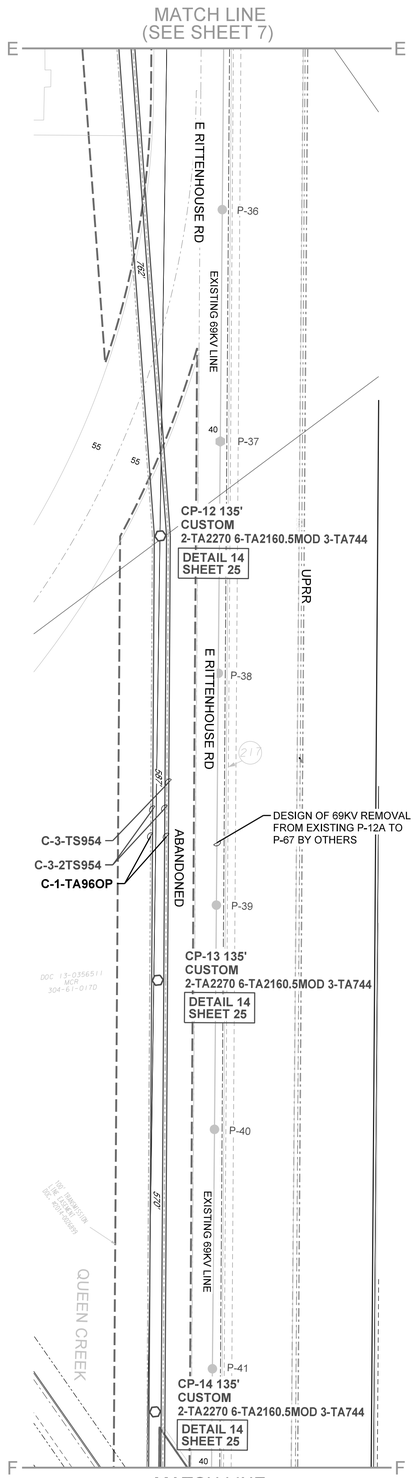
ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

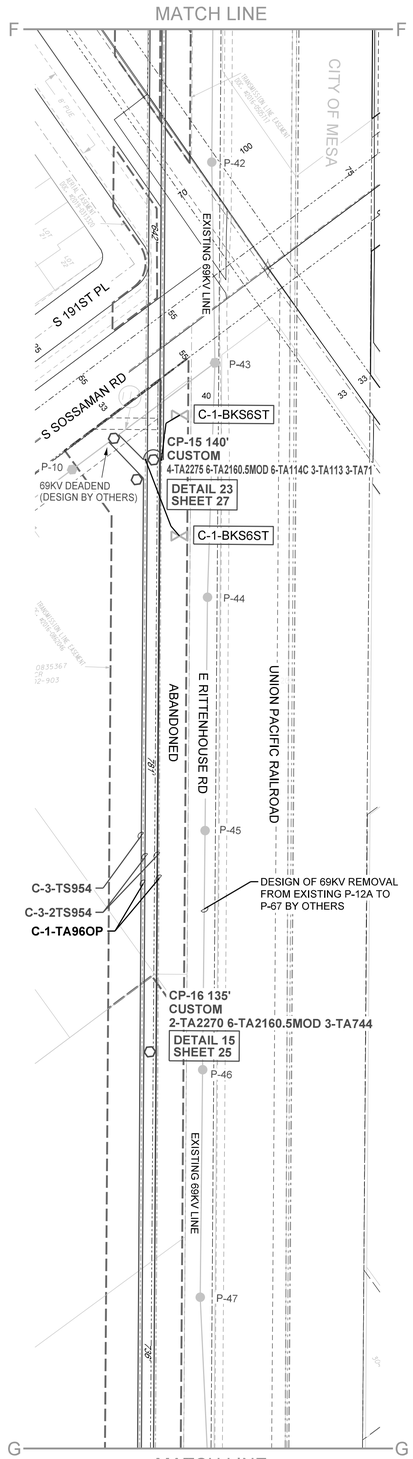
(CP4 - CP11)
PLAN & DETAILS SHEET

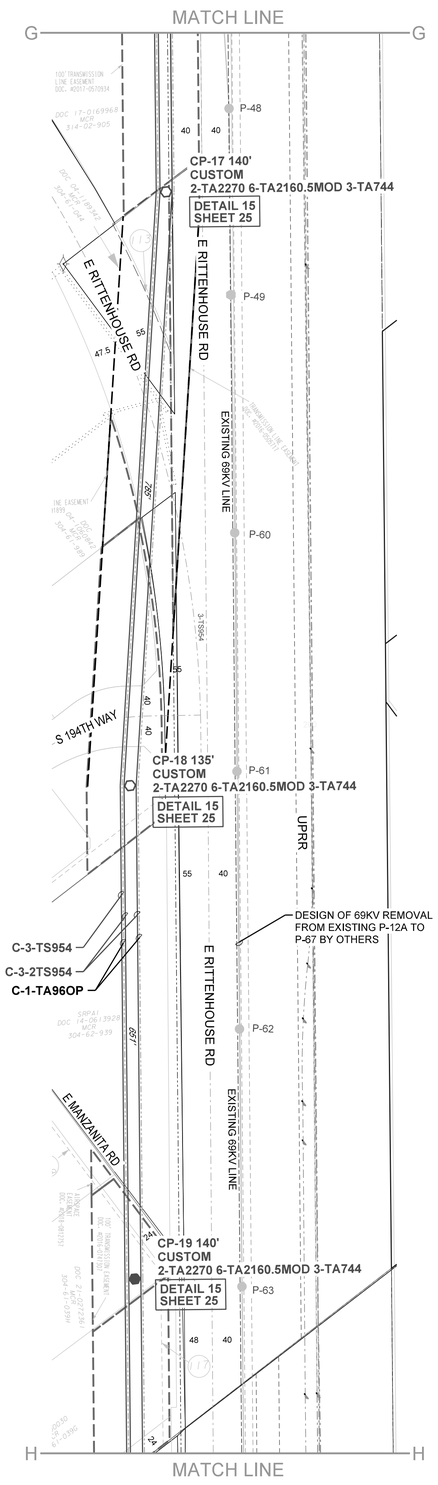
JOB # T1952486 SHEET: 7 OF 53

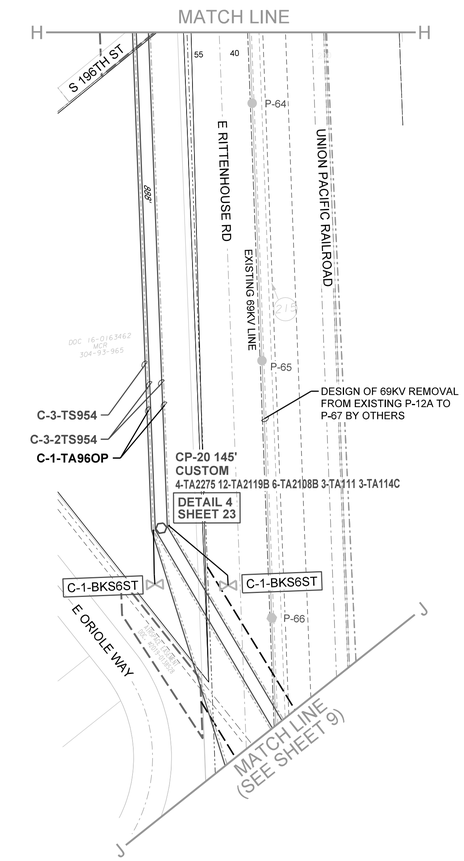
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

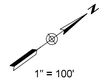
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LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
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- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

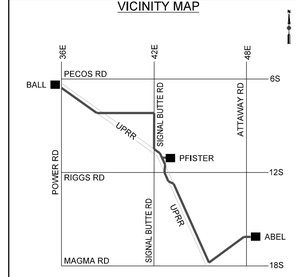
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CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

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Call 811 or click Arizona811.com

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

PRELIMINARY - ISSUED FOR 90%

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A
PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

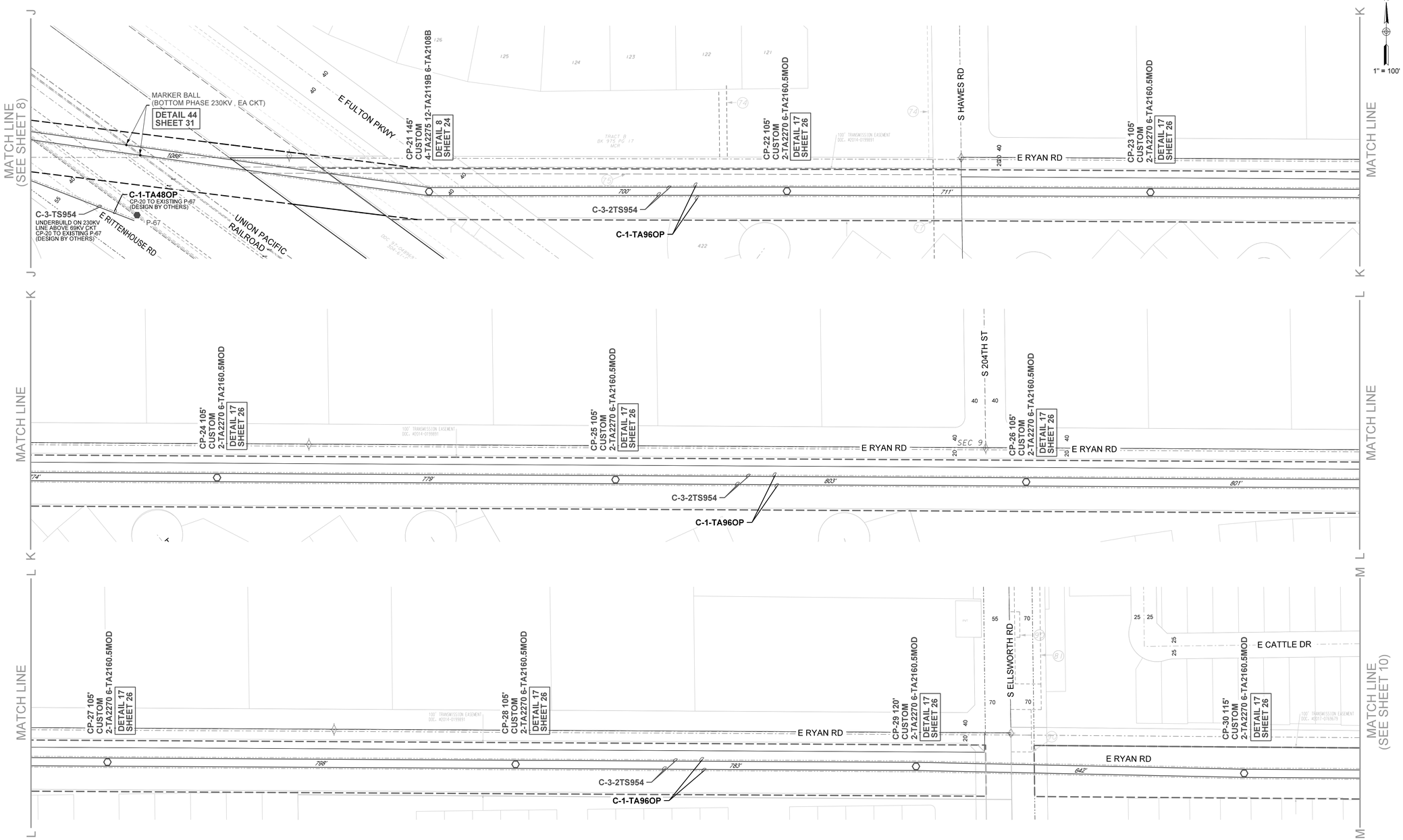
SRP
TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

(CP12 - CP20)
PLAN & DETAILS SHEET

JOB # T1952486 SHEET: 8 OF 53
DISTRIBUTION CODE DWG SIZE
TD1.5A, CO, PI + 10 22 X 34

$$Date$$



N

1" = 100'

LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
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- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

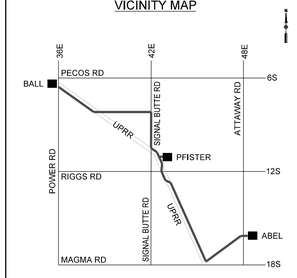
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TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

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COMPLETED:

BY:

CHANGES: ☐ YES ☐ NO

CONTACTS:

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MOBILE: N/A

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REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

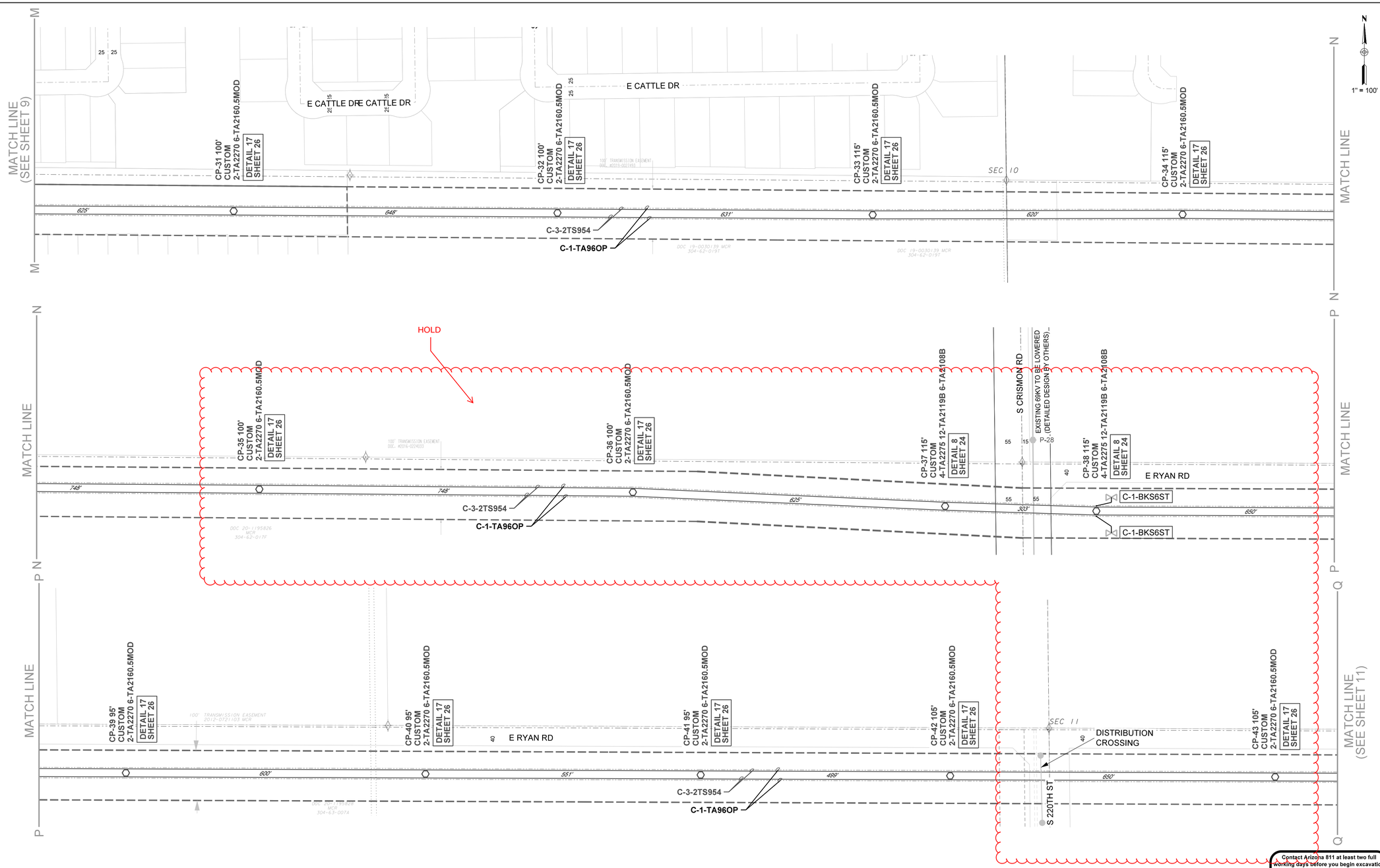
SNP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

(CP21 - CP30) PLAN & DETAILS SHEET

JOB # T1952486	SHEET: 9 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$DateStamp$$



LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
- PROPOSED TOWER
- REINFORCED WOOD POLE
- EXISTING FIBER SPLICE CASE
- PROPOSED FIBER SPLICE CASE
- SINGLE DOWN GUY AND ANCHOR
- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

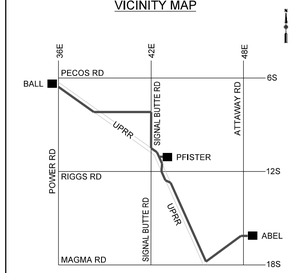
SHEET INDEX:

COVER SHEET	1-2
INFO, NOTES & DATA SHEET	3-5
PLAN & DETAIL SHEETS	6-22
STRUCTURE DETAIL SHEETS	23-27
DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

SRP TRANSMISSION LINE DESIGN

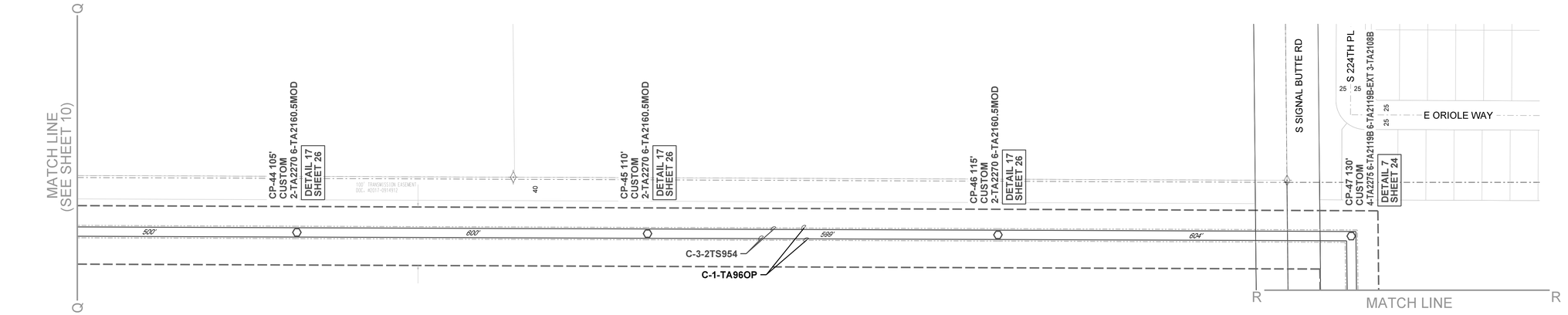
ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

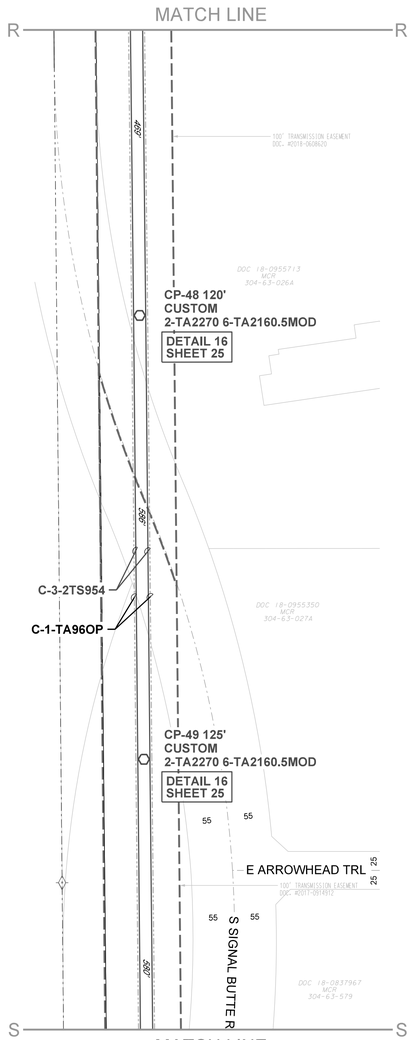
(CP31 - CP43) PLAN & DETAILS SHEET

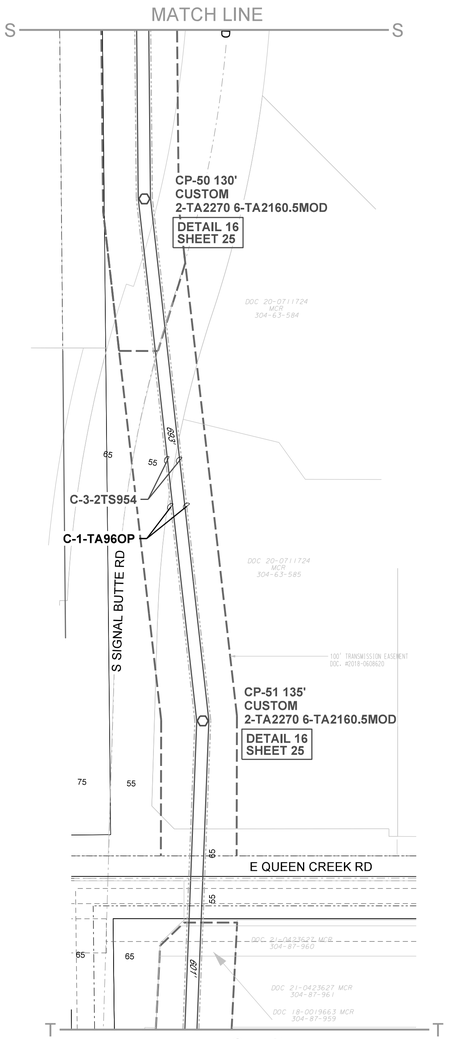
JOB # T1952486 SHEET: 10 OF 53

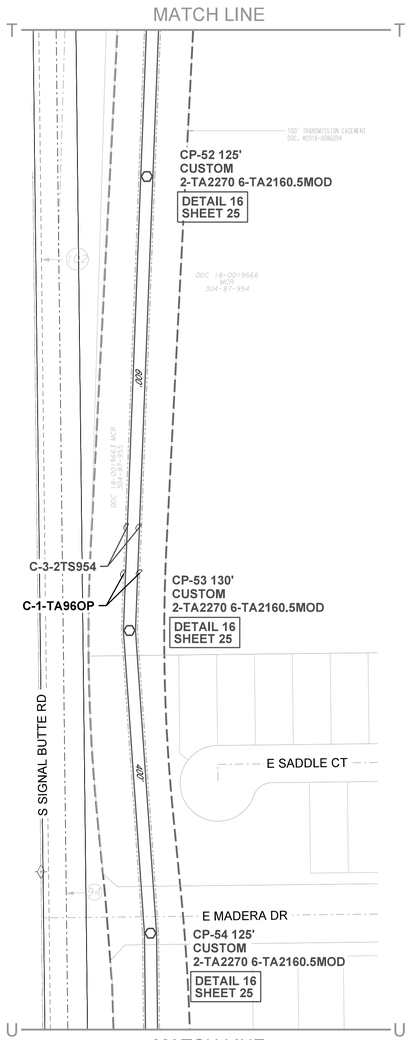
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

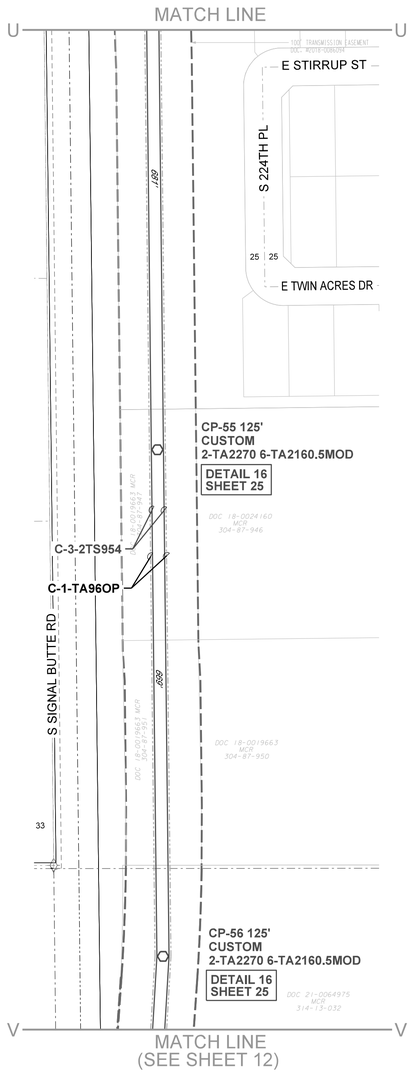
$$DateStamp$$











LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
- PROPOSED TOWER
- REINFORCED WOOD POLE
- EXISTING FIBER SPLICE CASE
- PROPOSED FIBER SPLICE CASE
- SINGLE DOWN GUY AND ANCHOR
- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

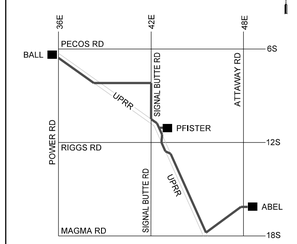
SHEET INDEX:

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INFO, NOTES & DATA SHEET	3-5
PLAN & DETAIL SHEETS	6-22
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DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:
DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A
PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

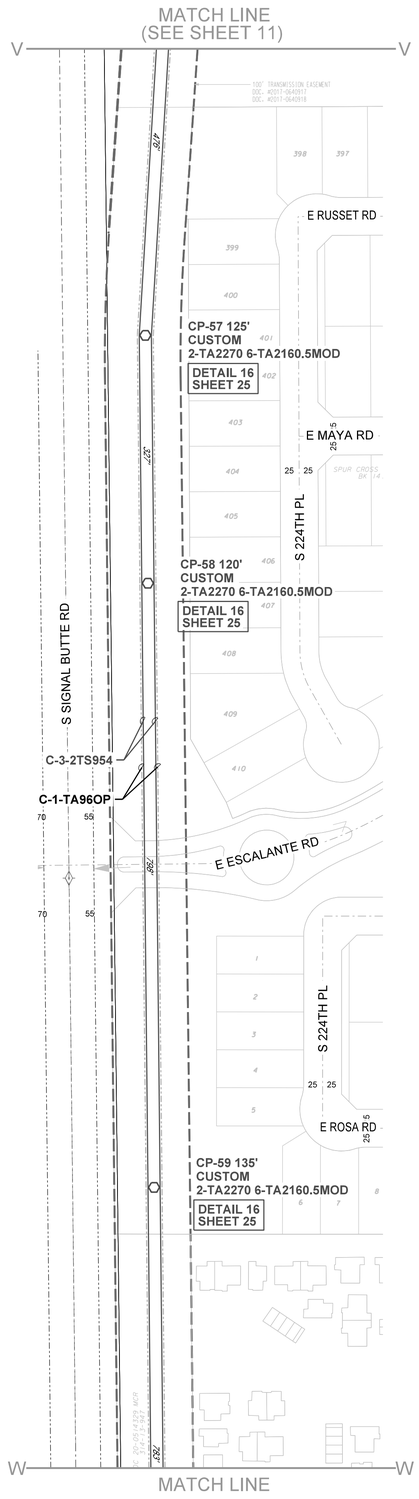
SKF TRANSMISSION LINE DESIGN

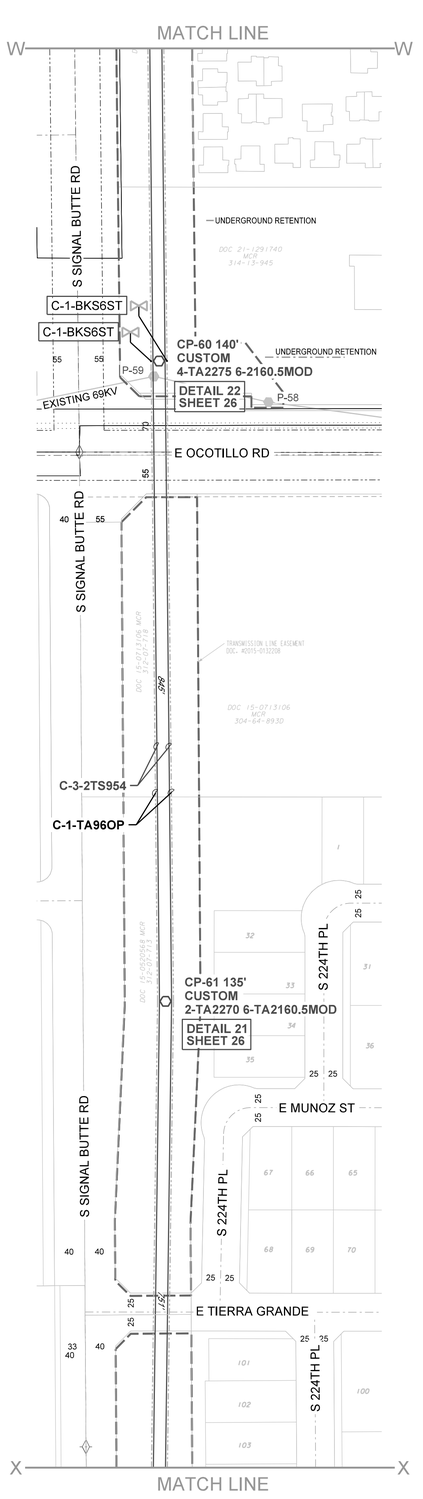
ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

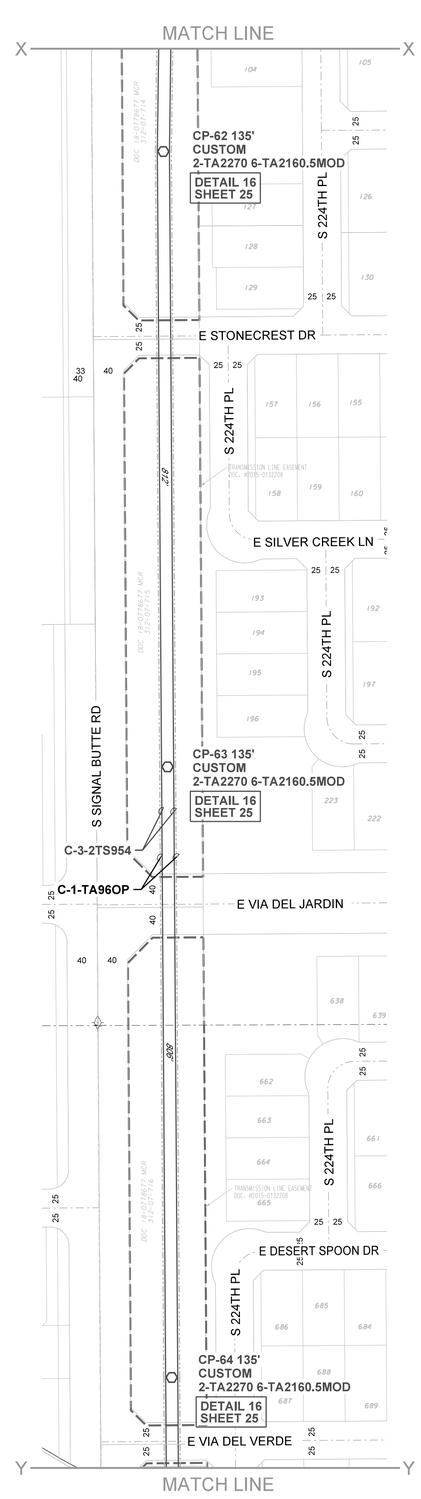
(CP44 - CP56)
PLAN & DETAILS SHEET

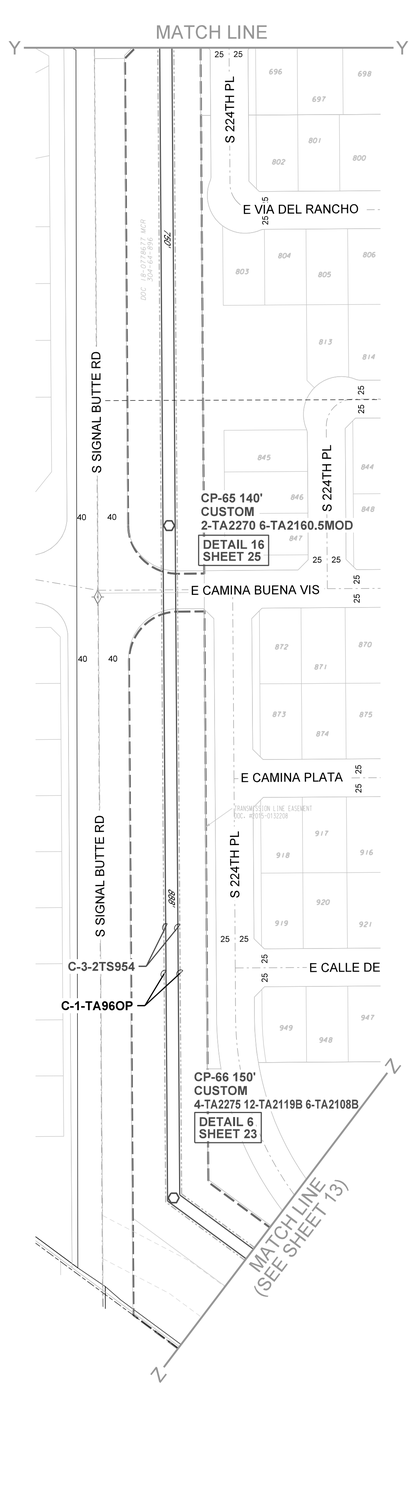
JOB # T1952486 SHEET: 11 OF 53
DISTRIBUTION CODE DWG SIZE
TD1.5A, CO, PI + 10 22 X 34

$$DateStamp$$









N

1" = 100'

LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
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- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

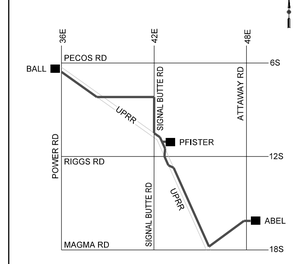
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DETAIL SHEETS	28-31
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RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

PRELIMINARY - ISSUED FOR 90%

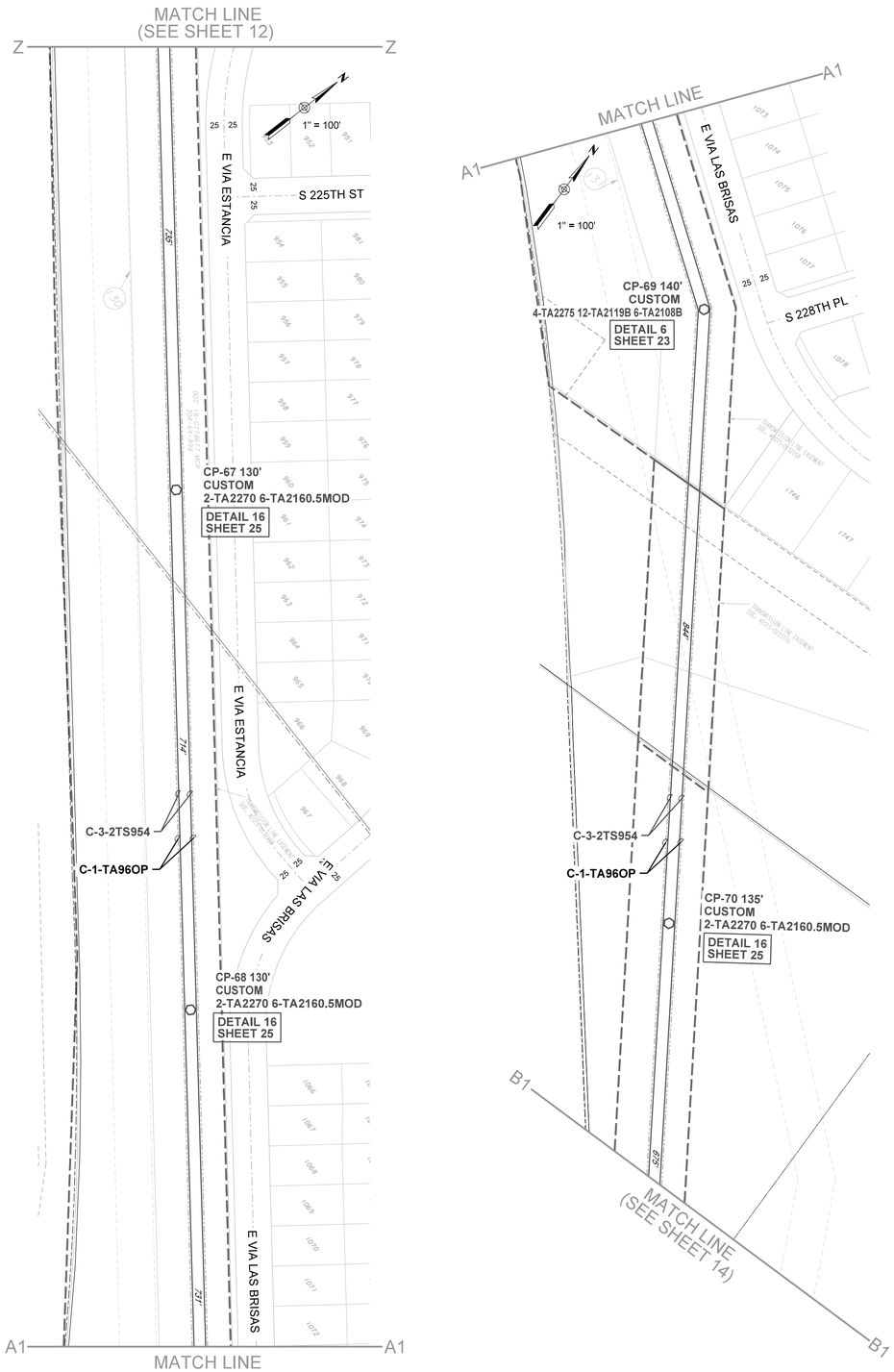
TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

(CP57 - CP66)
PLAN & DETAILS SHEET

JOB # T1952486 SHEET: 12 OF 53
DISTRIBUTION CODE DWG SIZE
TD1.5A, CO, PI + 10 22 X 34

$$Date$Time$$



LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
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- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

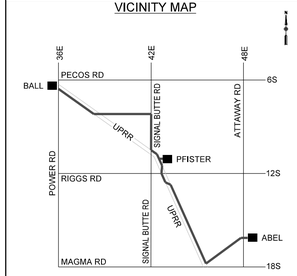
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INFO, NOTES & DATA SHEET	3-5
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STRUCTURE DETAIL SHEETS	23-27
DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

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Call 811 or click Arizona811.com

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

PRELIMINARY - ISSUED FOR 90%

COMPLETED:
BY:
CHANGES:
☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

TRANSMISSION LINE DESIGN

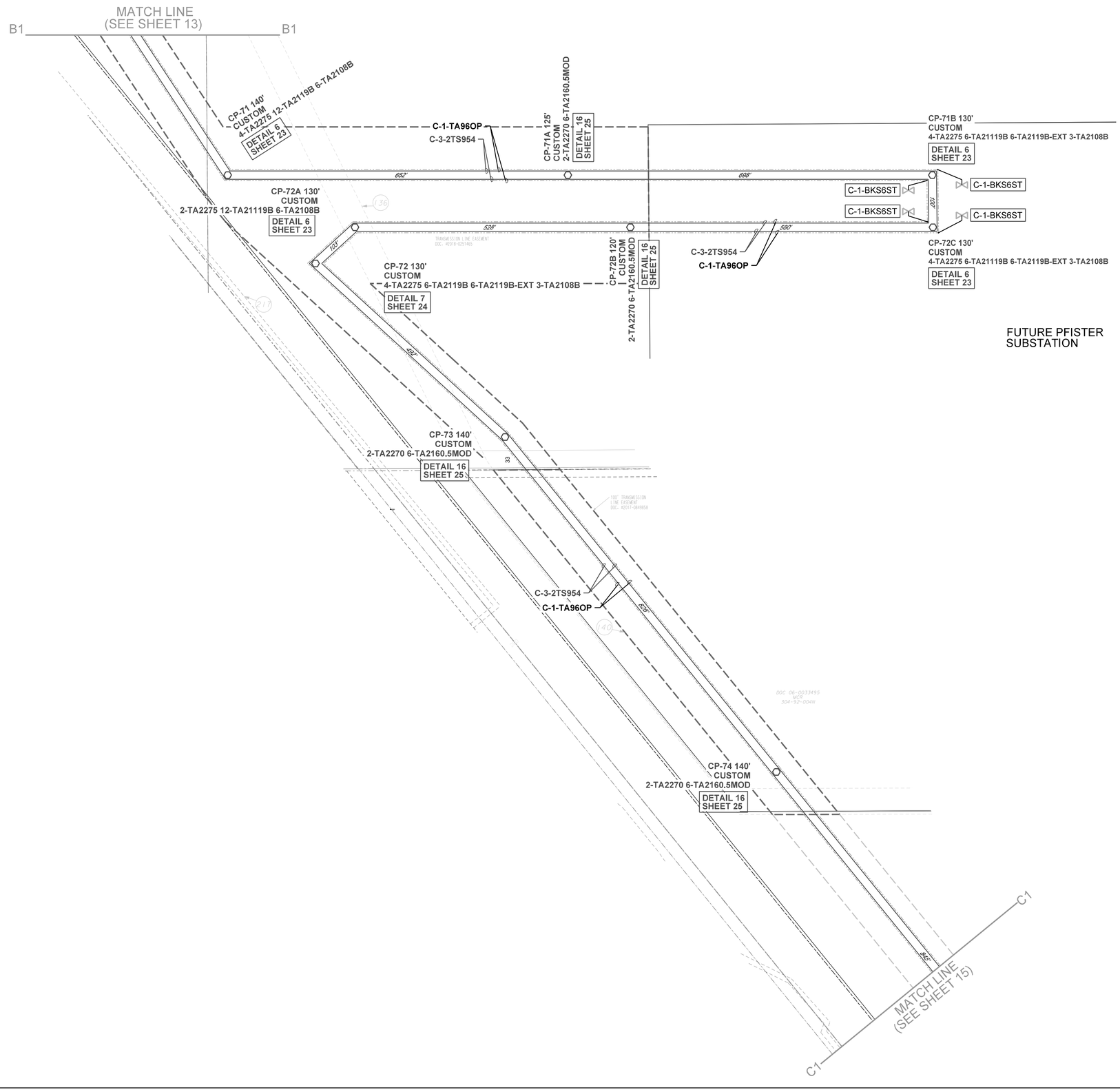
ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

(CP67 - CP70)
PLAN & DETAILS SHEET

JOB # T1952486 SHEET: 13 OF 53

DISTRIBUTION CODE	DWG SIZE
TD1,5A, CO, PI + 10	22 X 34

$$Date$$ $$Time$$



N

1" = 100'

LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
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- PROPOSED FIBER SPLICE CASE
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- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

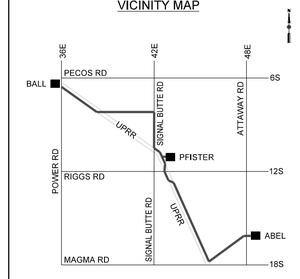
SHEET INDEX:

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INFO, NOTES & DATA SHEET	3-5
PLAN & DETAIL SHEETS	6-22
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DETAIL SHEETS	28-31
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RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

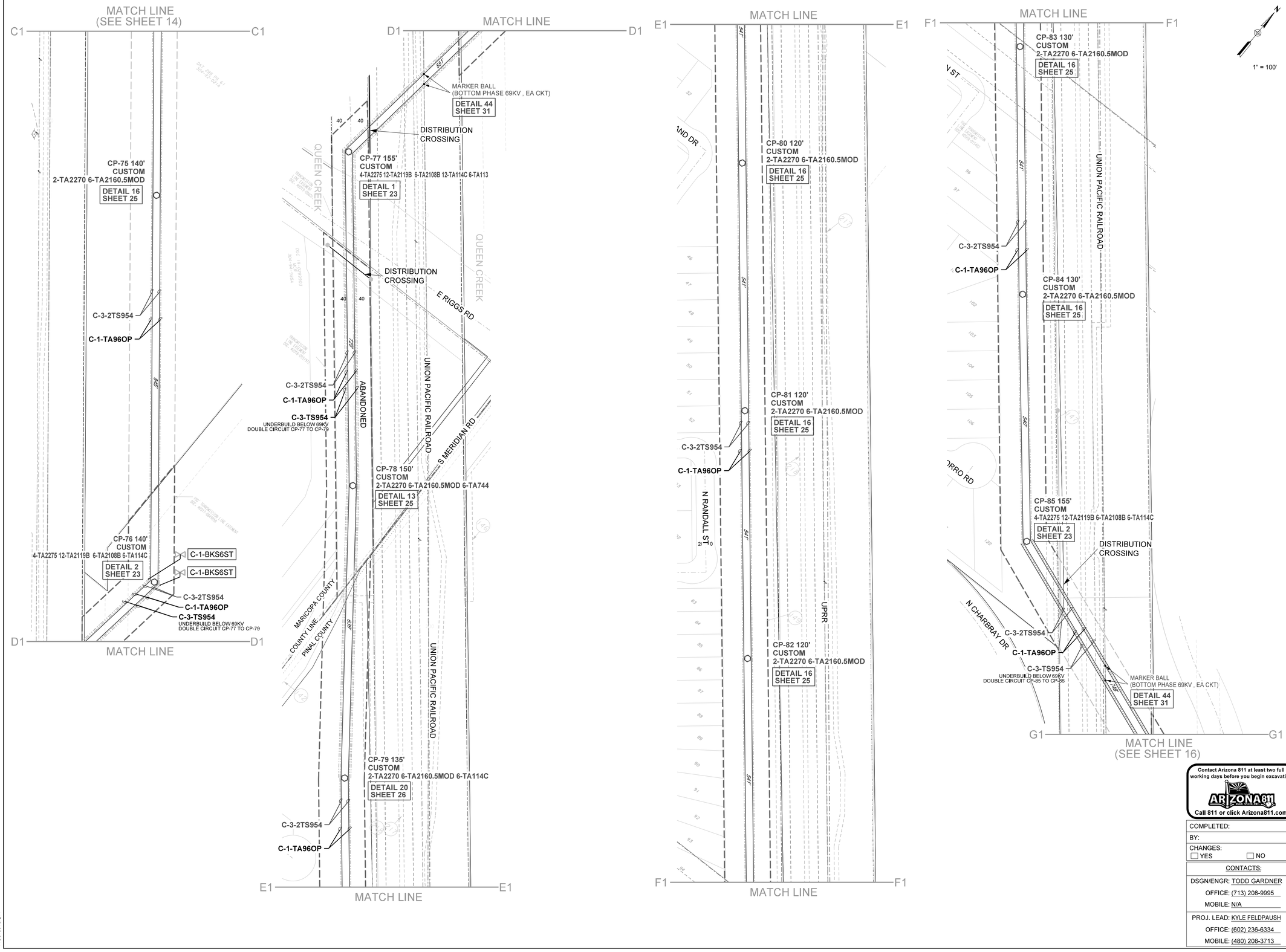
TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

(CP71 - CP74)
PLAN & DETAILS SHEET

JOB # T1952486 SHEET: 14 OF 53
DISTRIBUTION CODE DWG SIZE
TD1.5A, CO, PI + 10 22 X 34

$$DateStamp$$



LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
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- REINFORCED WOOD POLE
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- PROPOSED FIBER SPLICE CASE
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- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

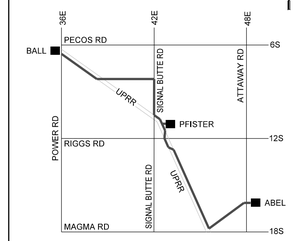
SHEET INDEX:

COVER SHEET	1-2
INFO, NOTES & DATA SHEET	3-5
PLAN & DETAIL SHEETS	6-22
STRUCTURE DETAIL SHEETS	23-27
DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
		PRELIMINARY - ISSUED FOR 90%		
A	03/25/22	TGARDNER	JDJ	JDJ

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

SNP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

(CP75 - CP85)
PLAN & DETAILS SHEET

JOB # T1952486 SHEET: 15 OF 53
DISTRIBUTION CODE DWG SIZE
TD1.5A, CO, PI + 10 22 X 34

$$\Drafts\Transmission$$

MATCH LINE (SEE SHEET 15)

G1

C-3-2TS954
C-1-TA96OP
C-3-TS954
UNDERBUILD BELOW 69KV DOUBLE CIRCUIT CP-85 TO CP-86
C-1-BKS6ST
C-1-BKS6ST

W PANOLA DR

CP-86 150'
CUSTOM
4-TA2275 12-TA2119B 6-TA2108B 6-TA114C
DETAIL 3
SHEET 23

N PAINTED DESERT DR

C-3-2TS954
C-1-TA96OP

N CHAYTON DR

CP-87 130'
CUSTOM
2-TA2270 6-TA2160.5MOD
DETAIL 16
SHEET 25

N PAINTED DESERT DR

W TENIA TRL

W NIKITA DR

H1

MATCH LINE

H1

MATCH LINE

H1

CP-88 130'
CUSTOM
2-TA2270 6-TA2160.5MOD
DETAIL 16
SHEET 25

W TENIA TRL

N PAINTED DESERT DR

SANTAN VALLEY

C-3-2TS954
C-1-TA96OP

CP-89 135'
CUSTOM
2-TA2270 6-TA2160.5MOD
DETAIL 16
SHEET 25

CP-90 140'
CUSTOM
2-TA2270 6-TA2160.5MOD
DETAIL 16
SHEET 25

J1

MATCH LINE

J1

MATCH LINE

J1

DISTRIBUTION CROSSING

CP-91 155'
CUSTOM
4-TA2275 12-TA2119B 6-TA2108B
DETAIL 6
SHEET 23

N GANTZEL RD

MAGMA COPPER IRRIGATION

C-3-2TS954
C-1-TA96OP

CP-92 140'
CUSTOM
2-TA2270 6-TA2160.5MOD
DETAIL 16
SHEET 25

K1

MATCH LINE

K1

MATCH LINE

K1

CP-93 150'
CUSTOM
4-TA2275 12-TA2119B 6-TA2108B
DETAIL 6
SHEET 23

DISTRIBUTION CROSSING

USBR TRANSMISSION EASEMENT

CP-94 160'
CUSTOM
4-TA2275 12-TA2119B 6-TA2108B
DETAIL 6
SHEET 23

WAPA 230KV CROSSING

C-3-2TS954
C-1-TA96OP

CP-95 180'
CUSTOM
4-TA2275 12-TA2119B 6-TA2108B
DETAIL 6
SHEET 23

L

MATCH LINE
(SEE SHEET 17)

1" = 100'

LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
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- OPGW
- ADSS CABLE

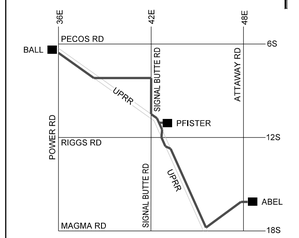
SHEET INDEX:

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INFO, NOTES & DATA SHEET	3-5
PLAN & DETAIL SHEETS	6-22
STRUCTURE DETAIL SHEETS	23-27
DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

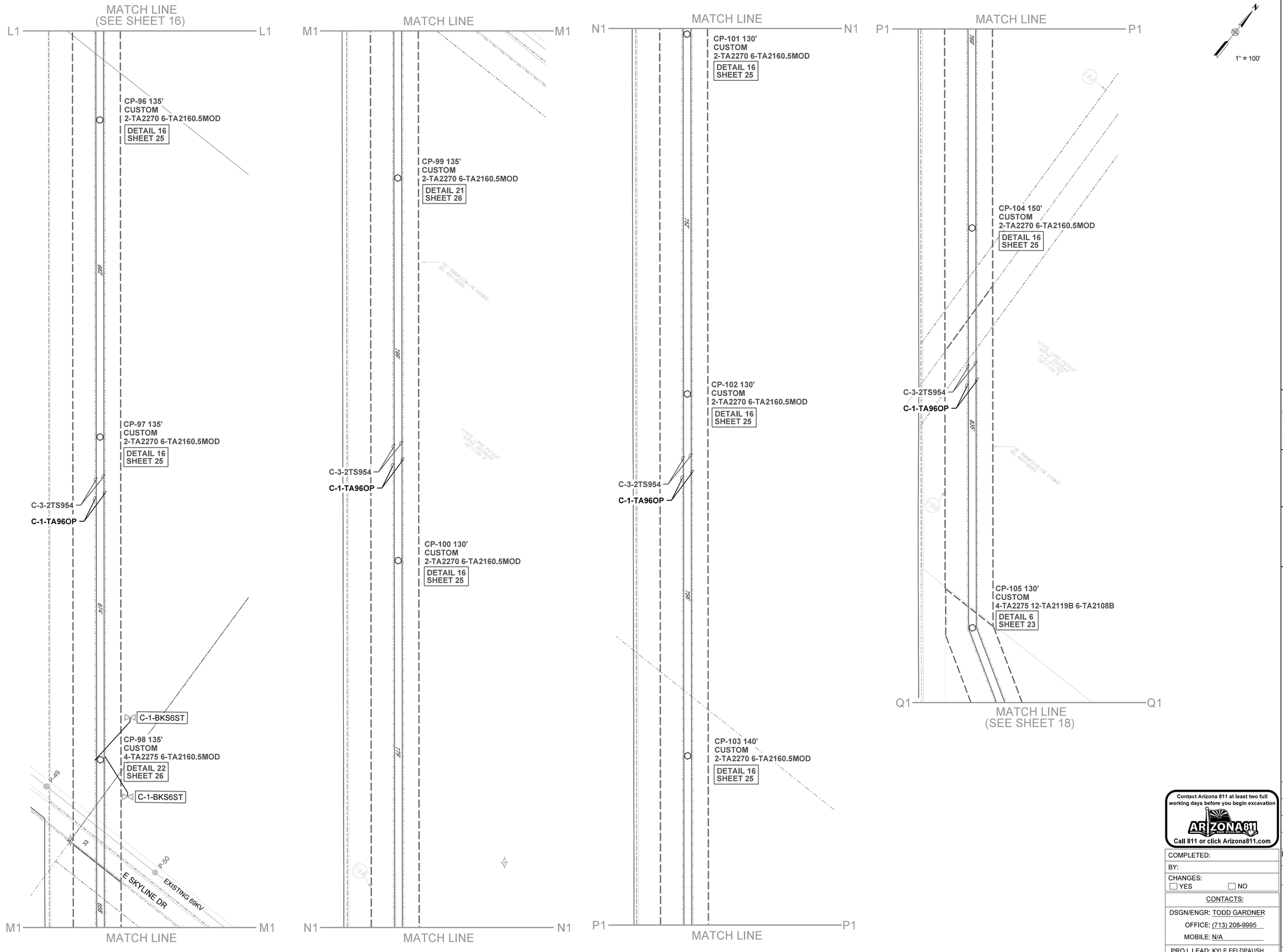
TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

(CP86 - CP95) PLAN & DETAILS SHEET

JOB # T1952486 SHEET: 16 OF 53
DISTRIBUTION CODE DWG SIZE
TD1.5A, CO, PI + 10 22 X 34

$$DateStamp$$



LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
- PROPOSED TOWER
- REINFORCED WOOD POLE
- EXISTING FIBER SPLICE CASE
- PROPOSED FIBER SPLICE CASE
- SINGLE DOWN GUY AND ANCHOR
- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

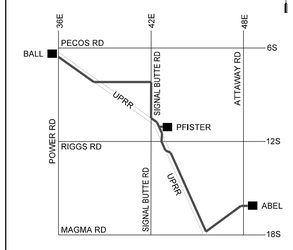
SHEET INDEX:

COVER SHEET	1-2
INFO, NOTES & DATA SHEET	3-5
PLAN & DETAIL SHEETS	6-22
STRUCTURE DETAIL SHEETS	23-27
DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

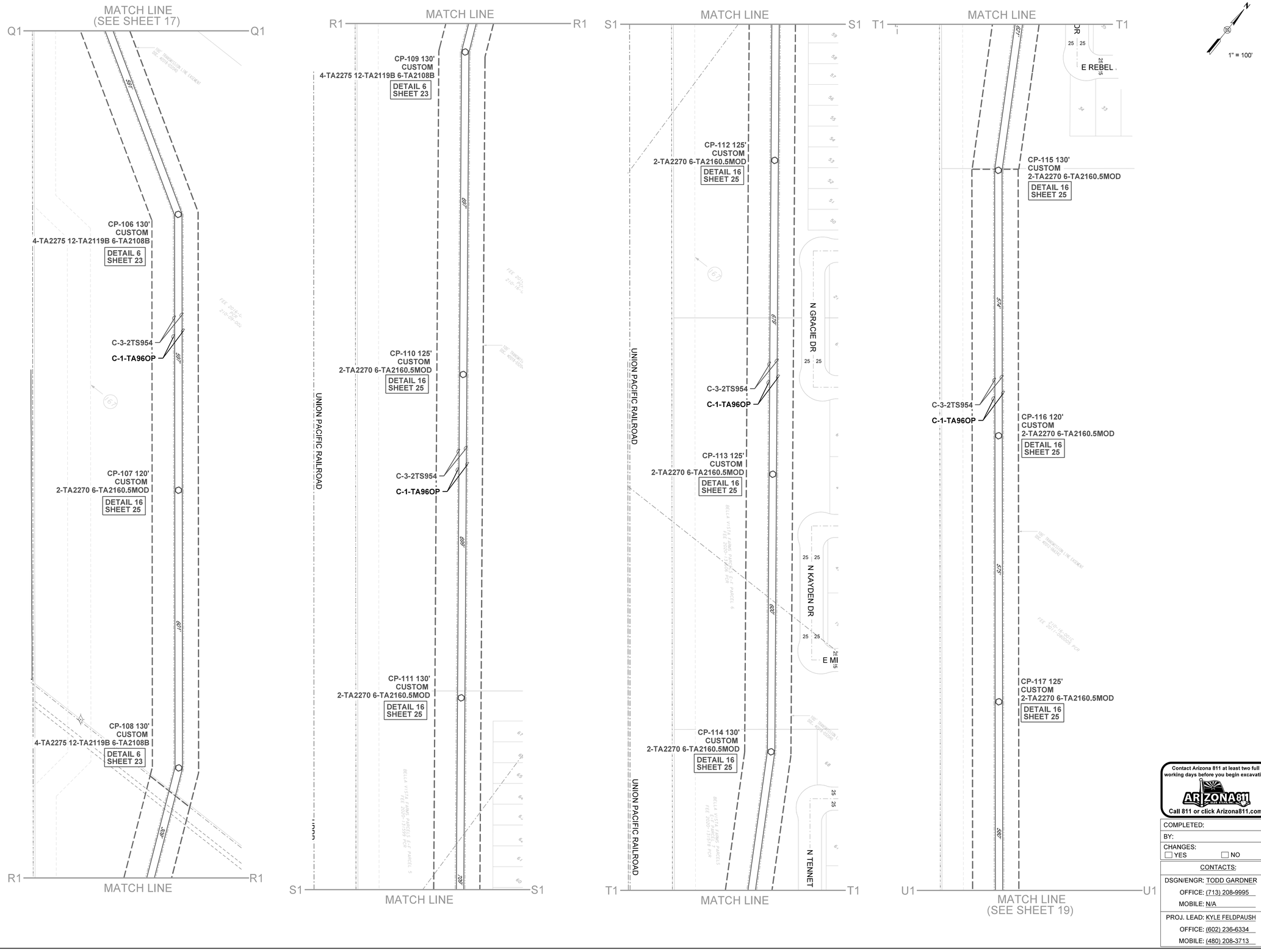
TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

(CP96 - CP105)
PLAN & DETAILS SHEET

JOB # T1952486 SHEET: 17 OF 53
DISTRIBUTION CODE DWG SIZE
TD1.5A, CO, PI + 10 22 X 34

$$DateStamp$$



LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
- PROPOSED TOWER
- REINFORCED WOOD POLE
- EXISTING FIBER SPLICE CASE
- PROPOSED FIBER SPLICE CASE
- SINGLE DOWN GUY AND ANCHOR
- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

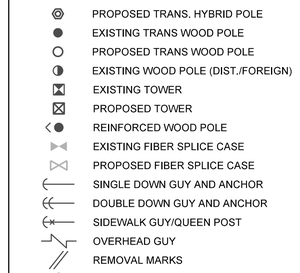
SHEET INDEX:

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INFO, NOTES & DATA SHEET	3-5
PLAN & DETAIL SHEETS	6-22
STRUCTURE DETAIL SHEETS	23-27
DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

PRELIMINARY - ISSUED FOR 90%				
A	03/25/22	TGARDNER	JDJ	JDJ
REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A
PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

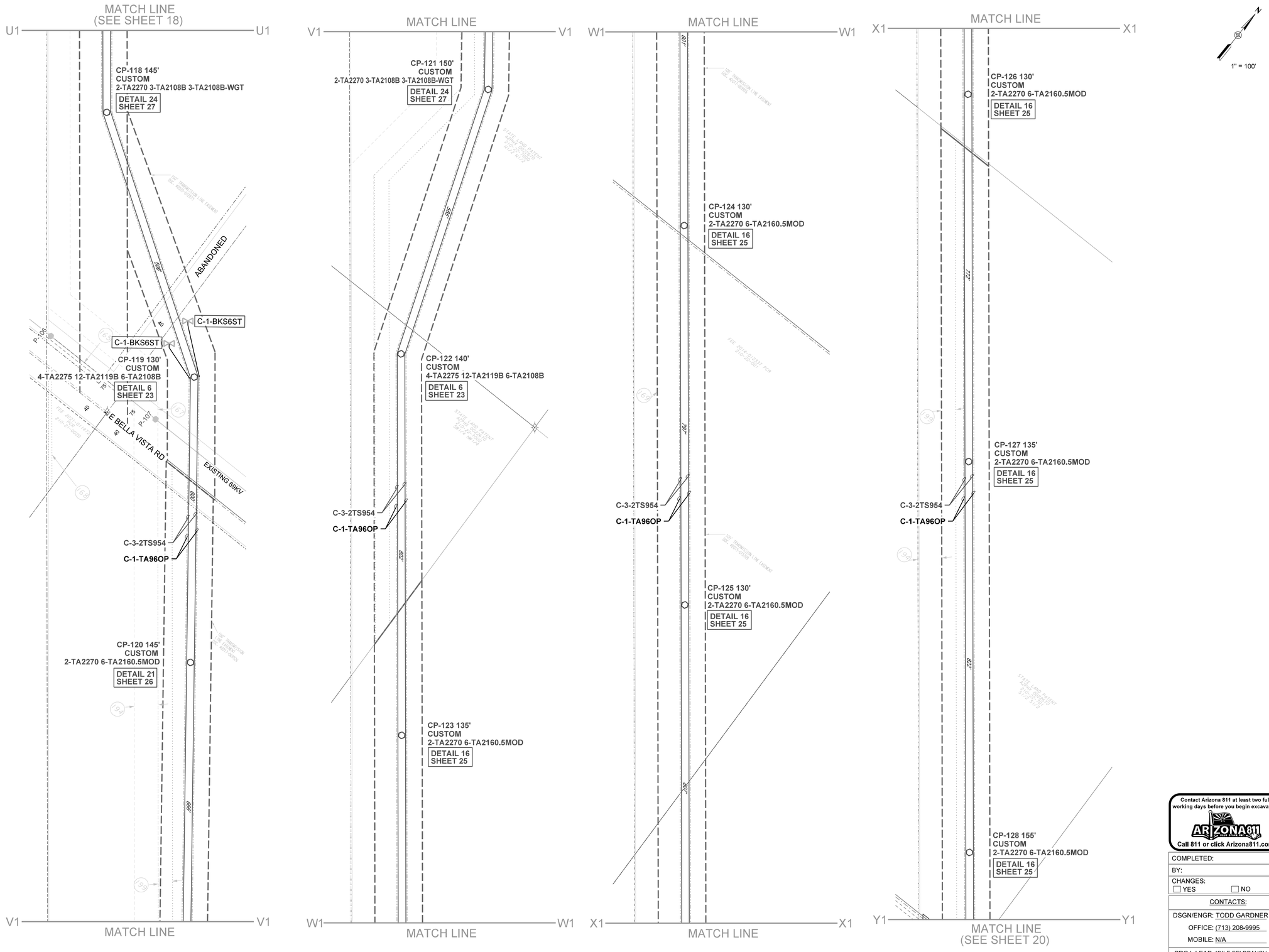
SRP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

(CP106 - CP117)
PLAN & DETAILS SHEET

JOB # T1952486	SHEET: 18 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$DateStamp$$



LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
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- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

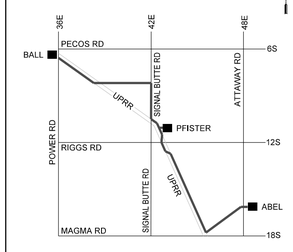
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DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:
DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A
PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

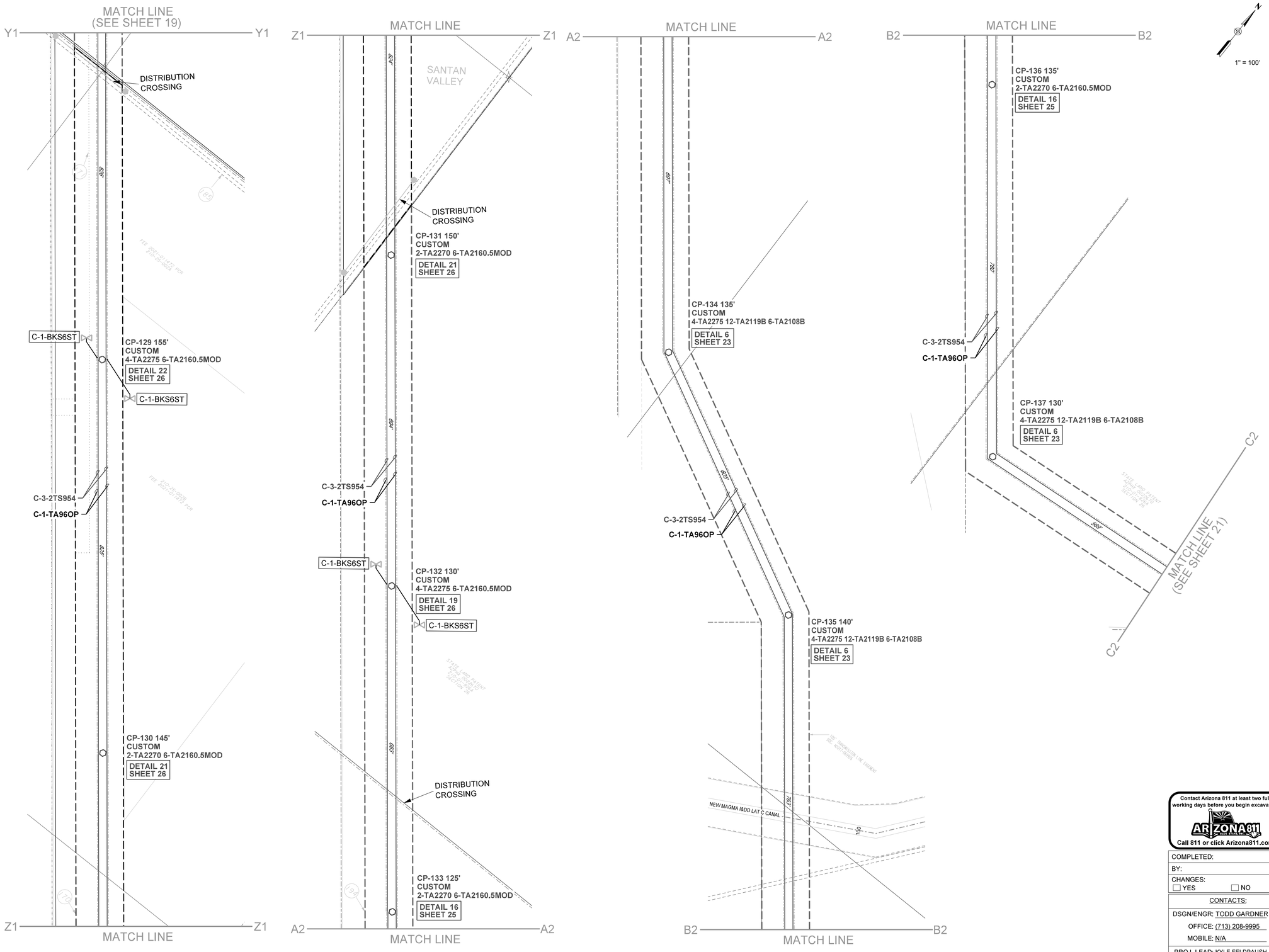
SKP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

(CP118 - CP128)
PLAN & DETAILS SHEET

JOB # T1952486 SHEET: 19 OF 53
DISTRIBUTION CODE DWG SIZE
TD1.5A, CO, PI + 10 22 X 34

$$DateTime$$



LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
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- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

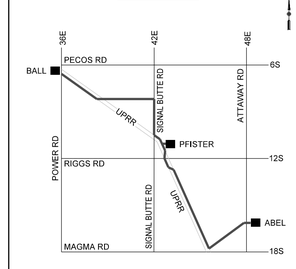
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PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:
DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A
PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

TRANSMISSION LINE DESIGN

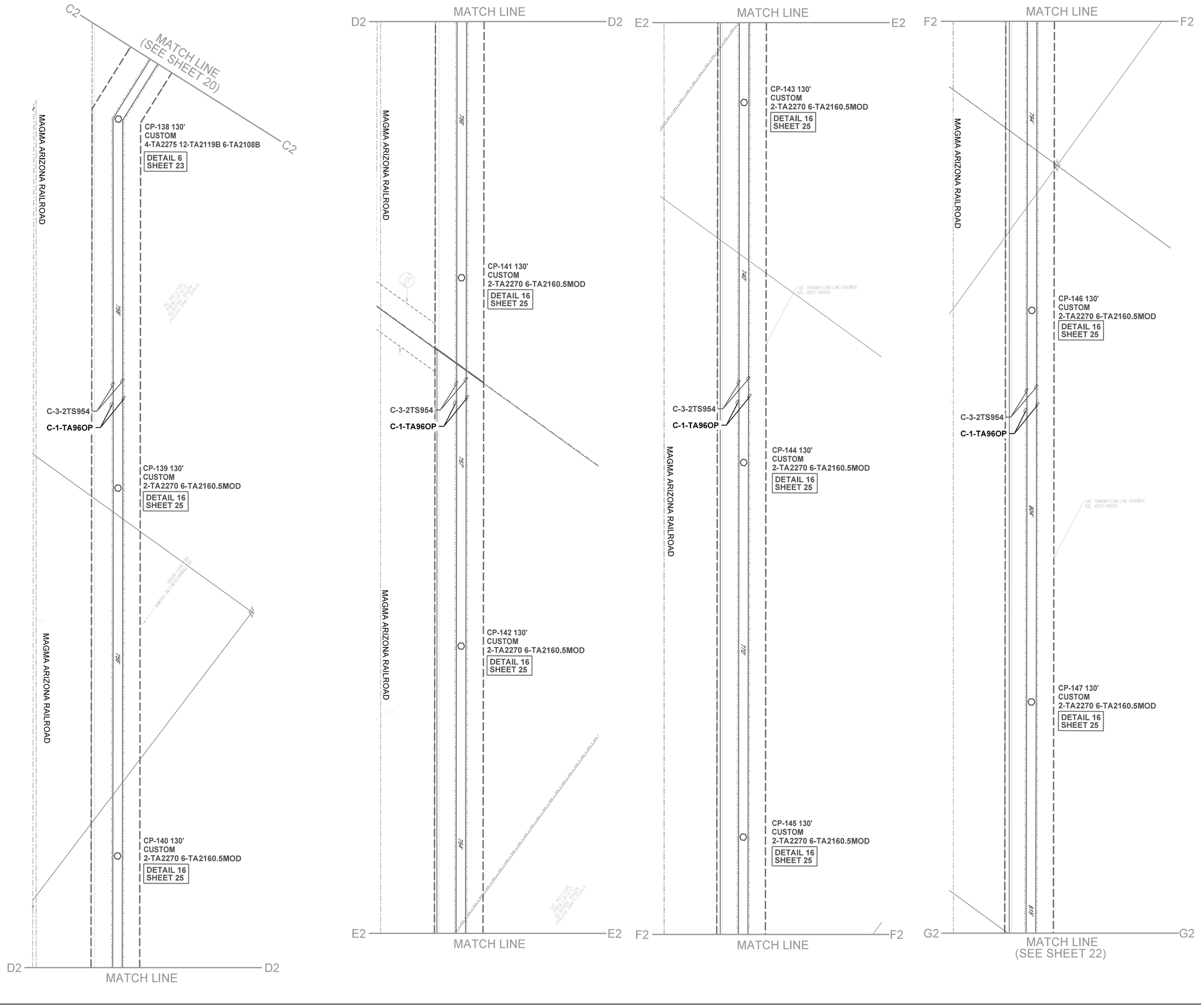
ABEL-PFISTER-BALL NEW 230KV LINE SEGMENT

(CP129 - CP137) PLAN & DETAILS SHEET

JOB # T1952486 SHEET: 20 OF 53

DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$DateTime$$



LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
- PROPOSED TOWER
- REINFORCED WOOD POLE
- EXISTING FIBER SPLICE CASE
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- DOUBLE DOWN GUY AND ANCHOR
- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

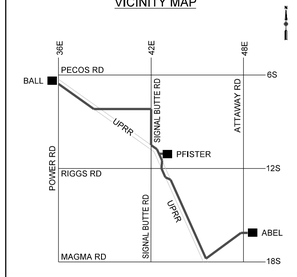
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PLAN & DETAIL SHEETS	6-22
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DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

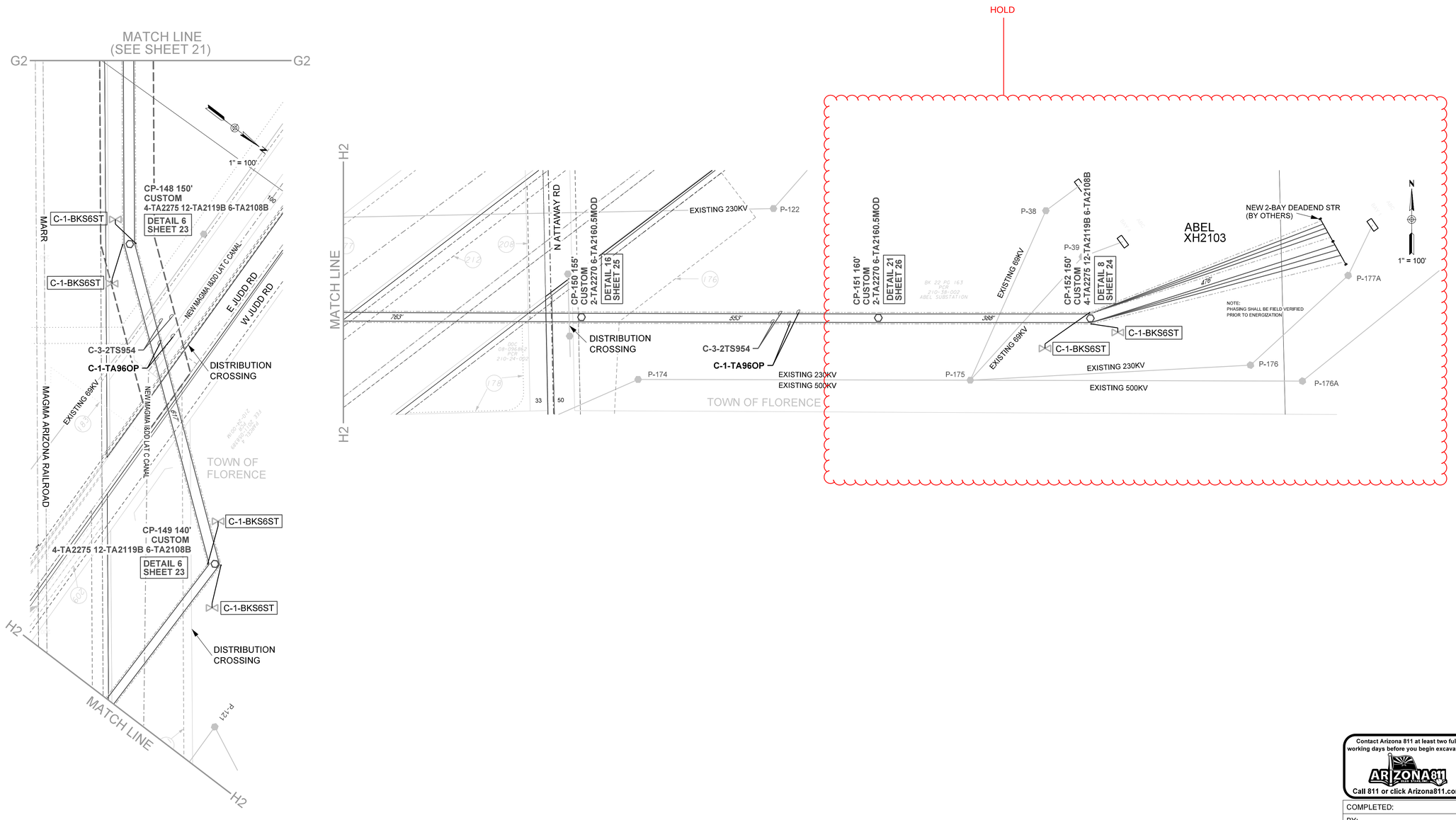
TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

(CP138 - CP147)
PLAN & DETAILS SHEET

JOB # T1952486 SHEET: 21 OF 53
DISTRIBUTION CODE DWG SIZE
TD1.5A, CO, PI + 10 22 X 34

$$DateStamp$$



LEGEND

- EXISTING TRANS. STEEL POLE
- PROPOSED TRANS. STEEL POLE
- EXISTING TRANS. HYBRID POLE
- PROPOSED TRANS. HYBRID POLE
- EXISTING TRANS WOOD POLE
- PROPOSED TRANS WOOD POLE
- EXISTING WOOD POLE (DIST./FOREIGN)
- EXISTING TOWER
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- REINFORCED WOOD POLE
- EXISTING FIBER SPLICE CASE
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- SIDEWALK GUY/QUEEN POST
- OVERHEAD GUY
- REMOVAL MARKS
- SECTION CORNER MARKER
- 40-ACRE CORNER MARKER
- CONDUCTOR
- STATIC WIRE
- OPGW
- ADSS CABLE

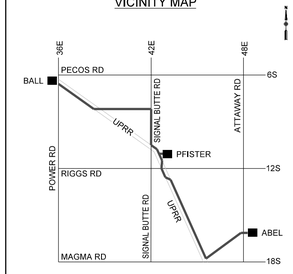
SHEET INDEX:

COVER SHEET	1-2
INFO, NOTES & DATA SHEET	3-5
PLAN & DETAIL SHEETS	6-22
STRUCTURE DETAIL SHEETS	23-27
DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

COMPLETED:
BY:
CHANGES: ☐ YES ☐ NO

CONTACTS:
DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A
PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

SRP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

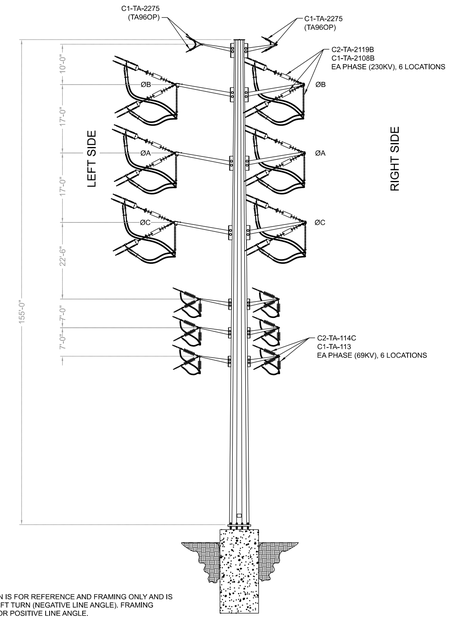
(CP148 - ABEL SUBSTATION)
PLAN & DETAILS SHEET

JOB # T1952486 SHEET: 22 OF 53
DISTRIBUTION CODE DWG SIZE
TD1.5A, CO, PI + 10 22 X 34

$$DateStamp$$

DETAIL 1

MEDIUM DEADEND (30-60°)
69KV AHEAD AND BACK
CP-77

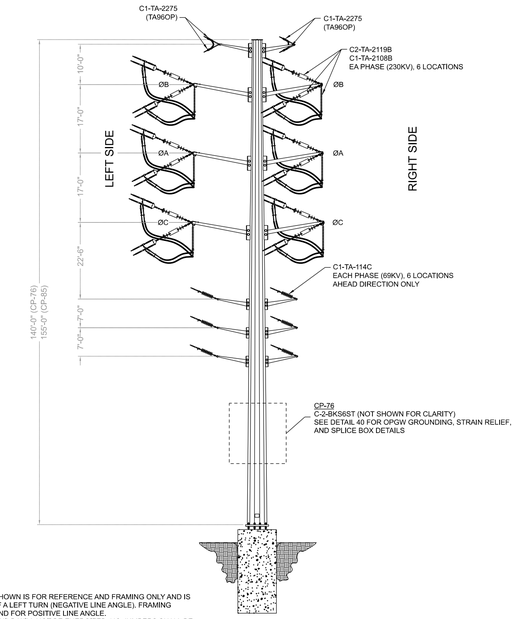


NOTES:
1. LINE ANGLE SHOWN IS FOR REFERENCE AND FRAMING ONLY AND IS INDICATIVE OF A LEFT TURN (NEGATIVE LINE ANGLE). FRAMING OPPOSITE HAND FOR POSITIVE LINE ANGLE.

ELEVATION
LOOKING AHEAD

DETAIL 2

MEDIUM DEADEND (30-60°)
69KV IN AHEAD DIRECTION ONLY
CP-76, CP-85

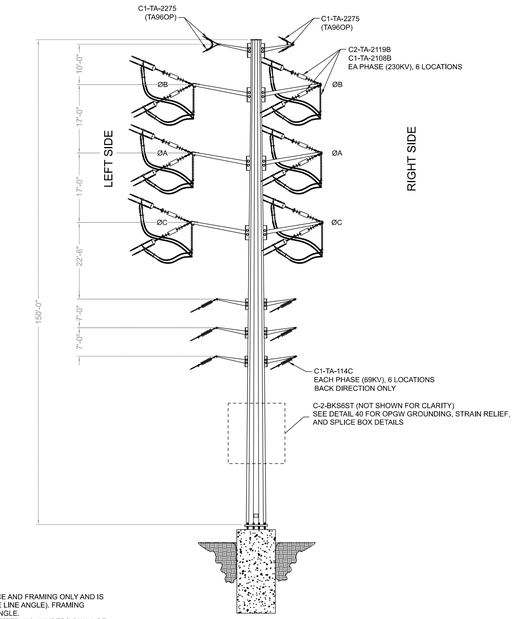


NOTES:
1. LINE ANGLE SHOWN IS FOR REFERENCE AND FRAMING ONLY AND IS INDICATIVE OF A LEFT TURN (NEGATIVE LINE ANGLE). FRAMING OPPOSITE HAND FOR POSITIVE LINE ANGLE.
2. 69KV UNDERBUILD WILL NOT BE ENERGIZED. NO JUMPERS SHALL BE INSTALLED.

ELEVATION
LOOKING AHEAD

DETAIL 3

MEDIUM DEADEND (30-60°)
69KV IN BACK DIRECTION ONLY
CP-86

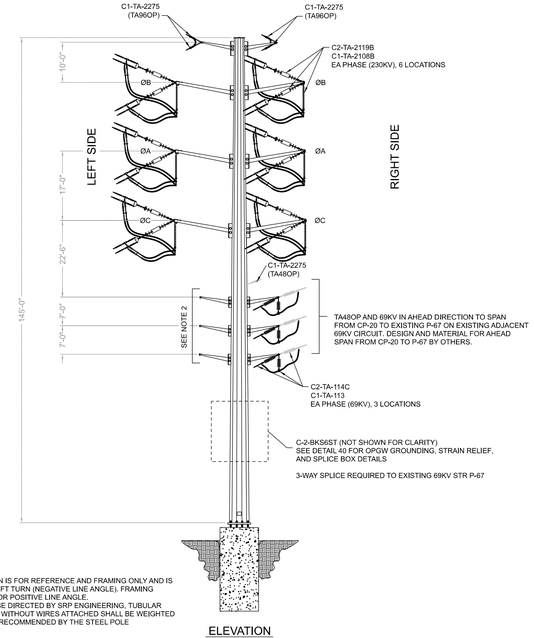


NOTES:
1. LINE ANGLE SHOWN IS FOR REFERENCE AND FRAMING ONLY AND IS INDICATIVE OF A LEFT TURN (NEGATIVE LINE ANGLE). FRAMING OPPOSITE HAND FOR POSITIVE LINE ANGLE.
2. 69KV UNDERBUILD WILL NOT BE ENERGIZED. NO JUMPERS SHALL BE INSTALLED.

ELEVATION
LOOKING AHEAD

DETAIL 4

LIGHT DEADEND (0-30°)
69KV AHEAD AND BACK (RIGHT SIDE ONLY)
CP-20

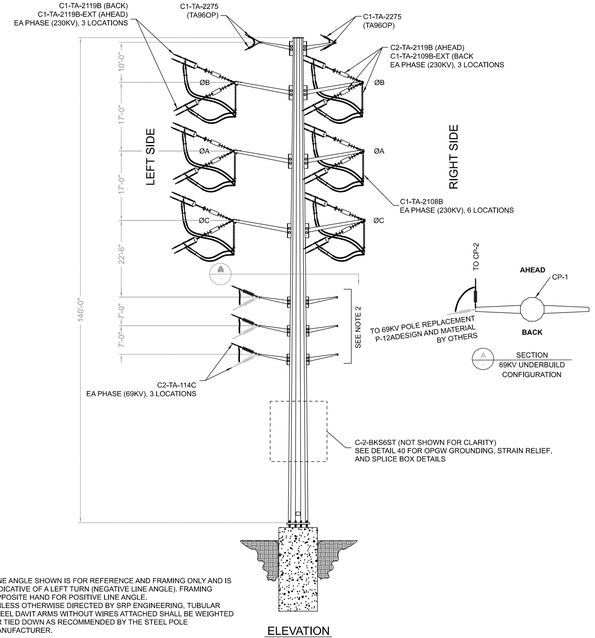


NOTES:
1. LINE ANGLE SHOWN IS FOR REFERENCE AND FRAMING ONLY AND IS INDICATIVE OF A LEFT TURN (NEGATIVE LINE ANGLE). FRAMING OPPOSITE HAND FOR POSITIVE LINE ANGLE.
2. UNLESS OTHERWISE DIRECTED BY SRP ENGINEERING, TUBULAR STEEL DAVIT ARMS WITHOUT WIRES ATTACHED SHALL BE WEIGHTED OR TIED DOWN AS RECOMMENDED BY THE STEEL POLE MANUFACTURER.

ELEVATION
LOOKING AHEAD

DETAIL 5

HEAVY DEADEND (60-100°)
69KV AHEAD AND BACK (LEFT SIDE ONLY)
CP-1

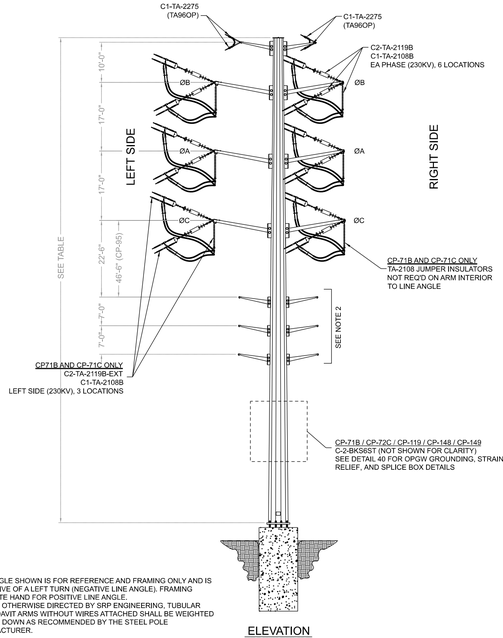


NOTES:
1. LINE ANGLE SHOWN IS FOR REFERENCE AND FRAMING ONLY AND IS INDICATIVE OF A LEFT TURN (NEGATIVE LINE ANGLE). FRAMING OPPOSITE HAND FOR POSITIVE LINE ANGLE.
2. UNLESS OTHERWISE DIRECTED BY SRP ENGINEERING, TUBULAR STEEL DAVIT ARMS WITHOUT WIRES ATTACHED SHALL BE WEIGHTED OR TIED DOWN AS RECOMMENDED BY THE STEEL POLE MANUFACTURER.

ELEVATION
LOOKING AHEAD

DETAIL 6

LIGHT DEADEND (0-30°) AND
MEDIUM DEADEND (30-60°)
69KV UNDERBUILD NOT INSTALLED
SEE TABLE



STRUCTURE NUMBER	HEIGHT (FT)
CP-66	150
CP-69	140
CP-71	140
CP-71B	130
CP-72C	130
CP-72A	130
CP-91	155
CP-93	150
CP-94	160
CP-95	180
CP-105	130
CP-106	130
CP-108	130
CP-109	130
CP-119	130
CP-122	140
CP-134	135
CP-135	140
CP-137	130
CP-138	130
CP-148	150
CP-149	140

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ELEVATION
LOOKING AHEAD

Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811 BLUE STAKE, INC.

Call 811 or click Arizona811.com

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:	
DSGN/ENGR: TODD GARDNER	
OFFICE: (713) 208-9995	
MOBILE: N/A	
PROJ. LEAD: KYLE FELDPAUSH	
OFFICE: (602) 236-6334	
MOBILE: (480) 208-3713	

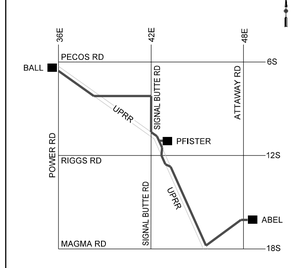
SHEET INDEX:

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INFO, NOTES & DATA SHEET	3-5
PLAN & DETAIL SHEETS	6-22
STRUCTURE DETAIL SHEETS	23-27
DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

SRP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

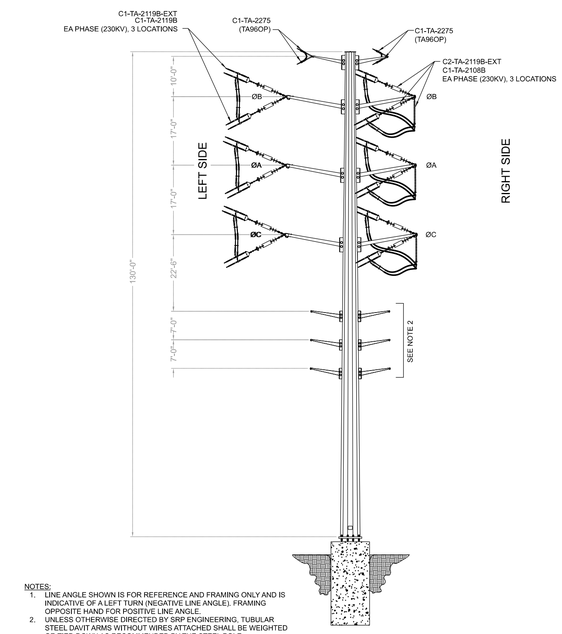
STRUCTURE DETAILS SHEET

JOB # T1952486	SHEET: 23 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1,5A, CO, PI + 10	22 X 34

$$Date$$Time$$

DETAIL 7

HEAVY DEADEND (60-100')
69KV UNDERBUILD NOT INSTALLED
CP-47, CP-72

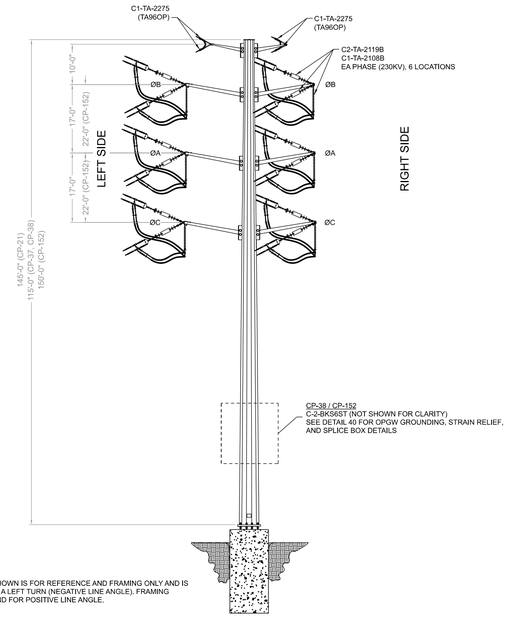


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ELEVATION
LOOKING AHEAD

DETAIL 8

LIGHT DEADEND (0-30°)
NOT DESIGNED TO SUPPORT 69KV UNDERBUILD
CP-21, CP-37, CP-38, CP-152

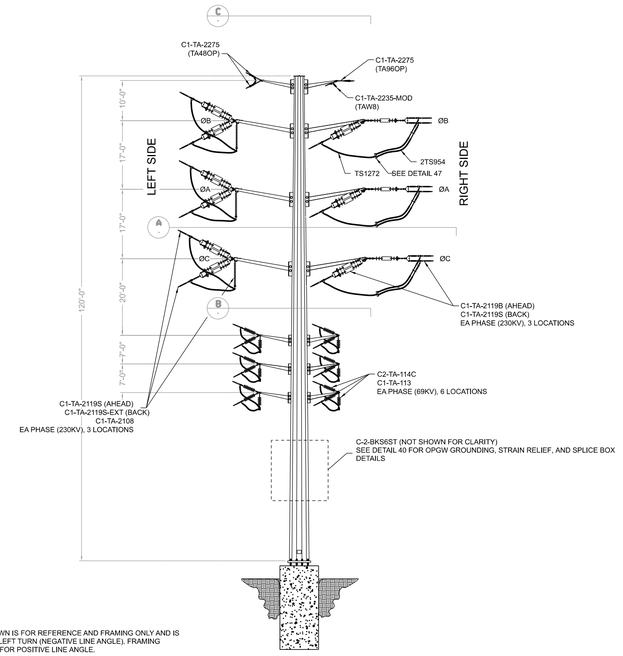


NOTES:
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ELEVATION
LOOKING AHEAD

DETAIL 9

HEAVY DEADEND (60-100')
69KV AHEAD AND BACK
CP-175A (SANTAN-SCHRADER TIE-IN STRUCTURE)

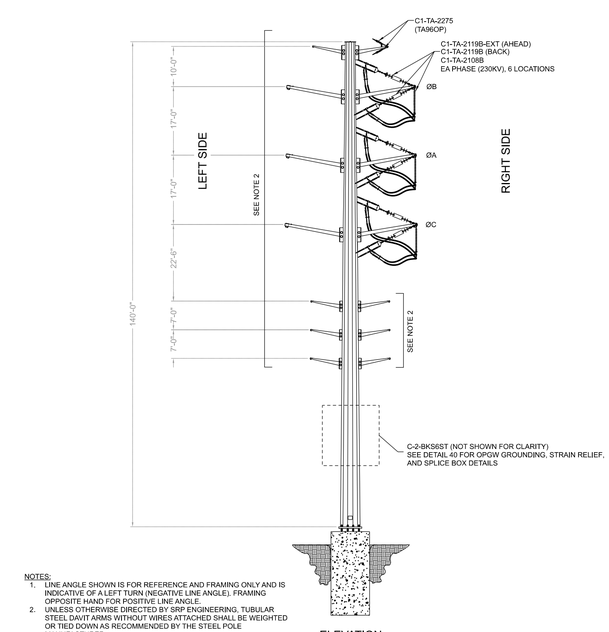


NOTES:
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ELEVATION
LOOKING AHEAD
TOWARDS P-176 WITH
P-175 AT BACK

DETAIL 10

HEAVY DEADEND (60-100')
69KV UNDERBUILD NOT INSTALLED
ONE (1) 230KV CIRCUIT INSTALLED (RIGHT SIDE)
CP-175B

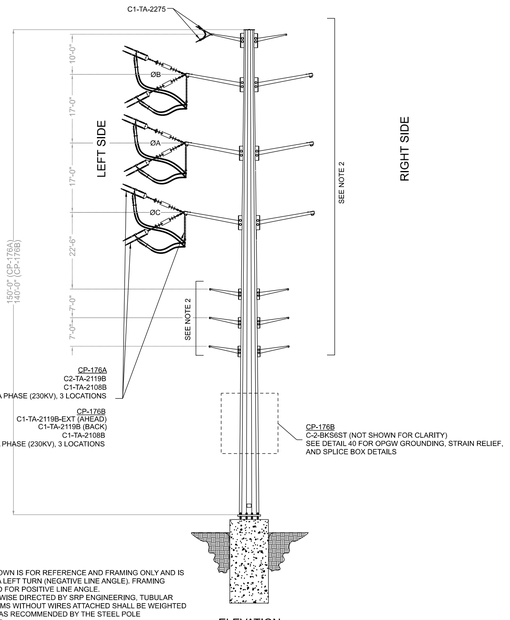


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ELEVATION
LOOKING AHEAD

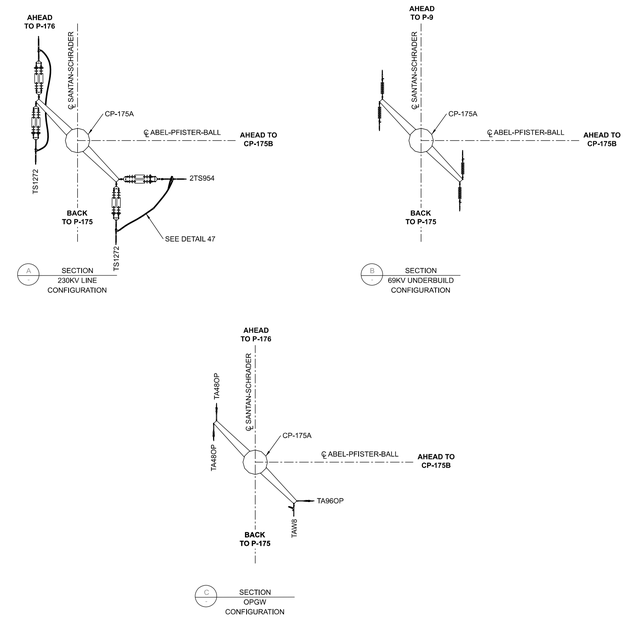
DETAIL 11

HEAVY DEADEND (60-100')
69KV UNDERBUILD NOT INSTALLED
ONE (1) 230KV CIRCUIT INSTALLED (LEFT SIDE)
CP-176A, CP-176B



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ELEVATION
LOOKING AHEAD



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COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:

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MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

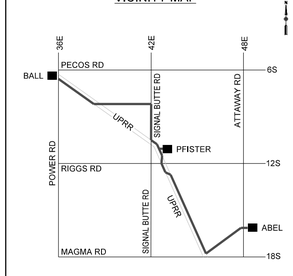
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TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

SRP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

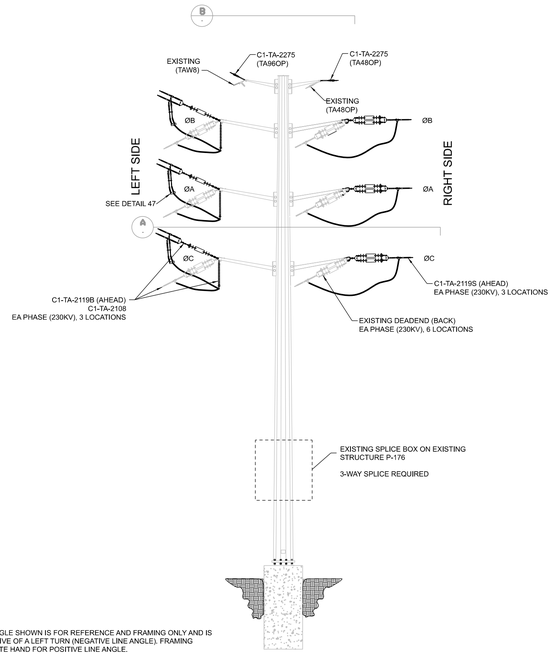
STRUCTURE DETAILS SHEET

JOB # T1952486	SHEET: 24 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$Date$Time$$

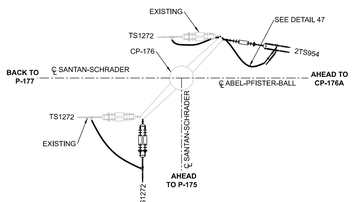
DETAIL 12

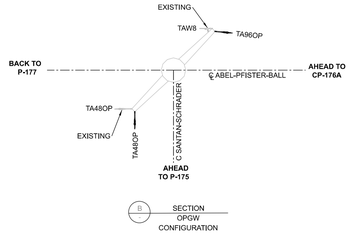
EXISTING HEAVY DEADEND
NOT DESIGNED FOR 69KV UNDERBUILD
P-176



ELEVATION
LOOKING AHEAD
TOWARDS CP-176A WITH
P-177 AT BACK

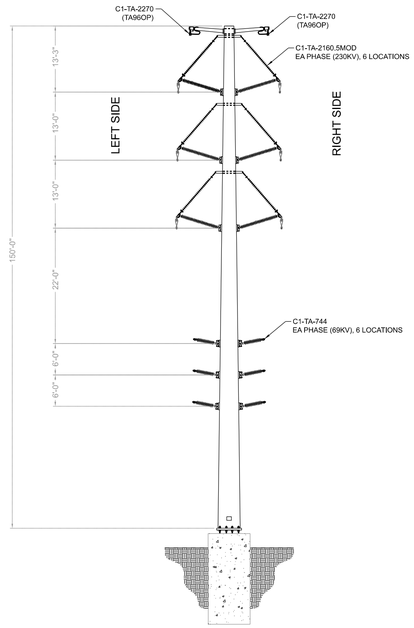
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DETAIL 13

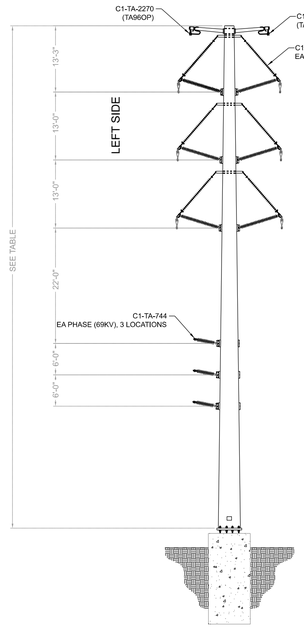
BRACED POST TANGENT (0-3°)
DOUBLE CIRCUIT 69KV UNDERBUILD INSTALLED
CP-78



ELEVATION
LOOKING AHEAD

DETAIL 14

BRACED POST TANGENT (UP TO 10°)
69KV UNDERBUILD (LEFT SIDE ONLY)
SEE TABLE

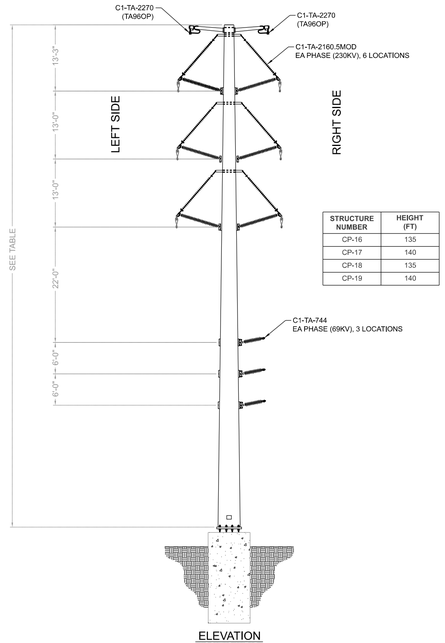


ELEVATION
LOOKING AHEAD

STRUCTURE NUMBER	HEIGHT (FT)
CP-2	130
CP-3	130
CP-5	135
CP-6	130
CP-7	145
CP-8	140
CP-9	140
CP-10	135
CP-11	140
CP-12	135
CP-13	135
CP-14	135

DETAIL 15

BRACED POST TANGENT (UP TO 10°)
69KV UNDERBUILD (RIGHT SIDE ONLY)
SEE TABLE

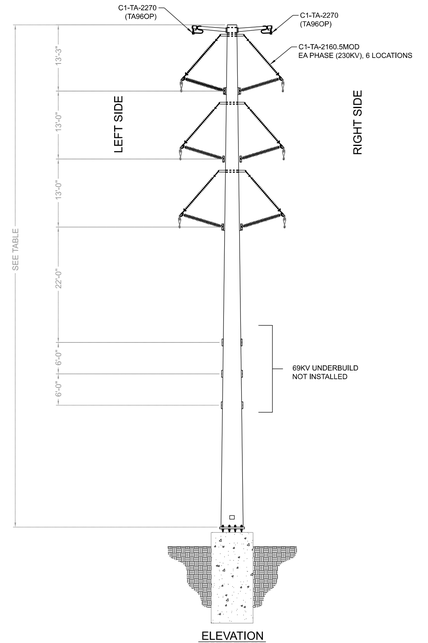


STRUCTURE NUMBER	HEIGHT (FT)
CP-16	135
CP-17	140
CP-18	135
CP-19	140

ELEVATION
LOOKING AHEAD

DETAIL 16

BRACED POST TANGENT (UP TO 10°)
69KV UNDERBUILD NOT INSTALLED
SEE TABLE



ELEVATION
LOOKING AHEAD

STRUCTURE NUMBER	HEIGHT (FT)
CP-48	120
CP-49	125
CP-50	130
CP-51	135
CP-52	125
CP-53	130
CP-54	125
CP-55	125
CP-56	125
CP-57	125
CP-58	120
CP-59	135
CP-62	135
CP-63	135
CP-64	135
CP-65	140
CP-67	130
CP-68	130
CP-70	135
CP-71A	125
CP-72B	120
CP-73	140
CP-74	140
CP-75	140
CP-80	120
CP-81	120
CP-82	120
CP-83	130
CP-84	130
CP-87	130
CP-88	130
CP-89	135
CP-90	140
CP-92	140
CP-96	135

STRUCTURE NUMBER	HEIGHT (FT)
CP-97	135
CP-100	130
CP-101	130
CP-102	130
CP-103	140
CP-104	150
CP-107	120
CP-110	125
CP-111	130
CP-112	125
CP-113	125
CP-114	130
CP-115	130
CP-116	120
CP-117	125
CP-123	135
CP-124	130
CP-125	130
CP-126	130
CP-127	135
CP-128	155
CP-133	125
CP-136	135
CP-139	130
CP-140	130
CP-141	130
CP-142	130
CP-143	130
CP-144	130
CP-145	130
CP-146	130
CP-147	130
CP-150	155

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COMPLETED:
BY:
CHANGES:
☐ YES ☐ NO

CONTACTS:

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MOBILE: N/A

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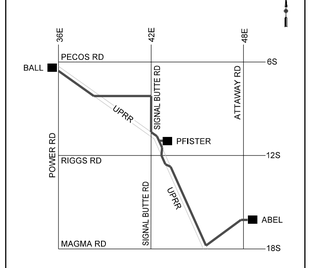
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TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

STRUCTURE DETAILS SHEET

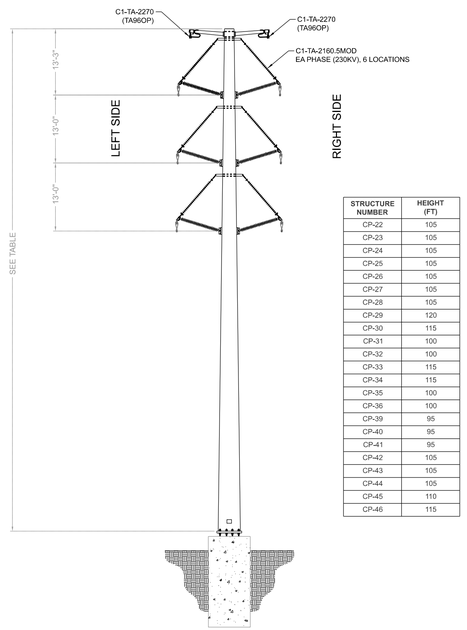
JOB # T1952486 SHEET: 25 OF 53

DISTRIBUTION CODE DWG SIZE
TD1.5A, CO, PI + 10 22 X 34

$$Date$Time$$

DETAIL 17

BRACED POST TANGENT (UP TO 10°)
NOT DESIGNED TO SUPPORT 69KV UNDERBUILD
SEE TABLE

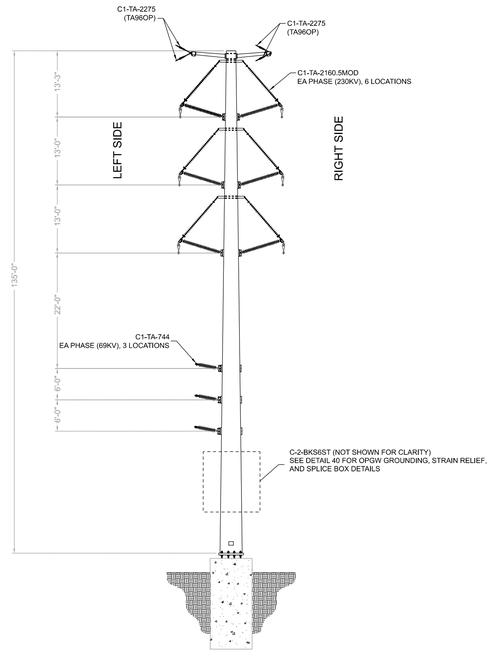


STRUCTURE NUMBER	HEIGHT (FT)
CP-22	105
CP-23	105
CP-24	105
CP-25	105
CP-26	105
CP-27	105
CP-28	105
CP-29	120
CP-30	115
CP-31	100
CP-32	100
CP-33	115
CP-34	115
CP-35	100
CP-36	100
CP-39	95
CP-40	95
CP-41	95
CP-42	105
CP-43	105
CP-44	105
CP-45	110
CP-46	115

ELEVATION
LOOKING AHEAD

DETAIL 18

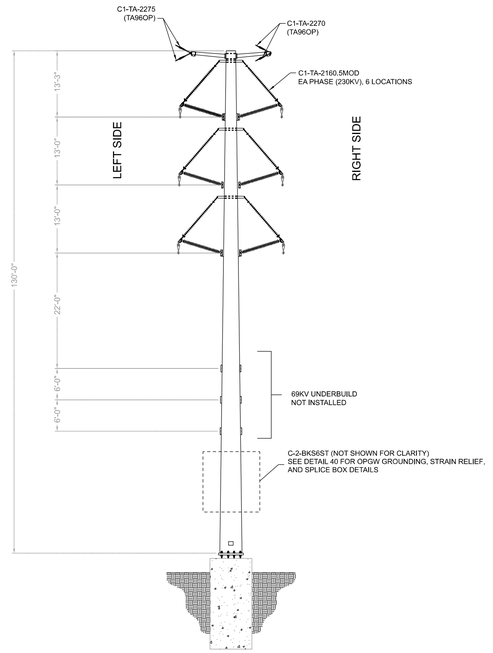
BRACED POST TANGENT (UP TO 10°)
69KV UNDERBUILD (LEFT SIDE ONLY)
OPGW SPLICE LOCATION
CP-4



ELEVATION
LOOKING AHEAD

DETAIL 19

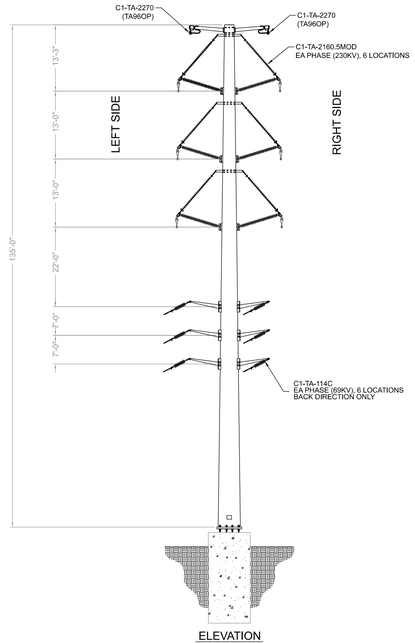
BRACED POST TANGENT (UP TO 10°)
69KV UNDERBUILD NOT INSTALLED
OPGW SPLICE LOCATION
CP-132



ELEVATION
LOOKING AHEAD

DETAIL 20

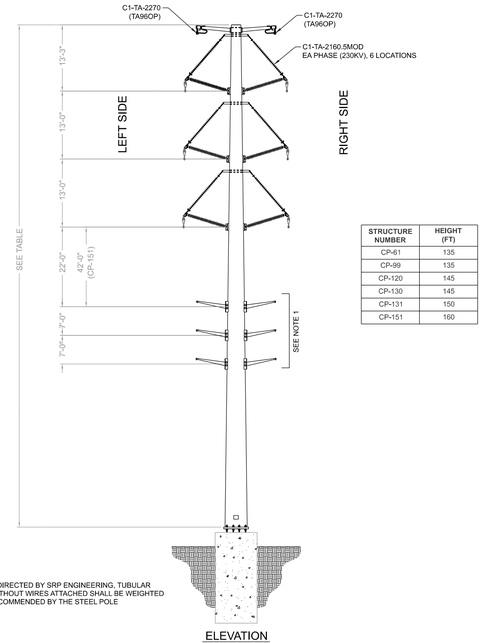
BRACED POST TANGENT
69KV IN BACK DIRECTION ONLY
CP-79



ELEVATION
LOOKING AHEAD

DETAIL 21

BRACED POST TANGENT
69KV UNDERBUILD NOT INSTALLED
SEE TABLE



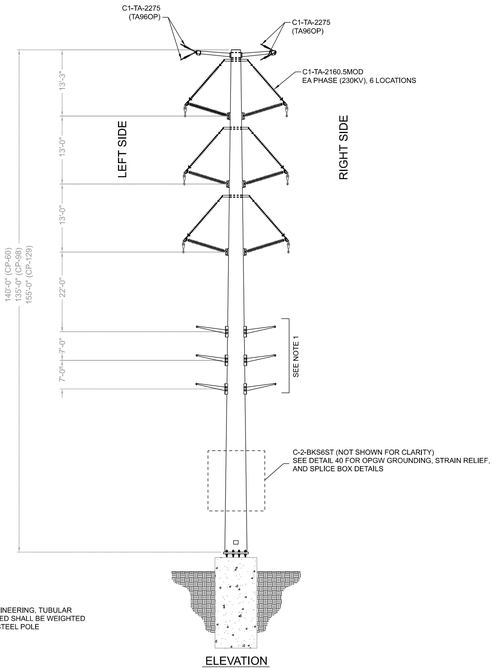
STRUCTURE NUMBER	HEIGHT (FT)
CP-61	135
CP-99	135
CP-120	145
CP-130	145
CP-131	150
CP-151	160

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ELEVATION
LOOKING AHEAD

DETAIL 22

BRACED POST TANGENT
69KV UNDERBUILD NOT INSTALLED
OPGW SPLICE LOCATION
CP-60, CP-98, CP-129



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ELEVATION
LOOKING AHEAD

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COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

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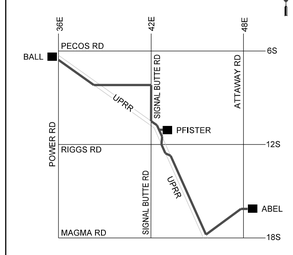
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VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

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PRELIMINARY - ISSUED FOR 90%

SRP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

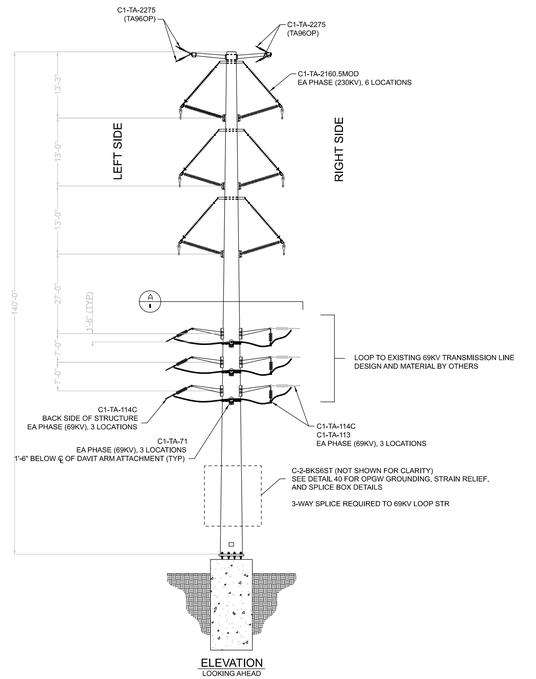
STRUCTURE DETAILS SHEET

JOB # T1952486	SHEET: 26 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

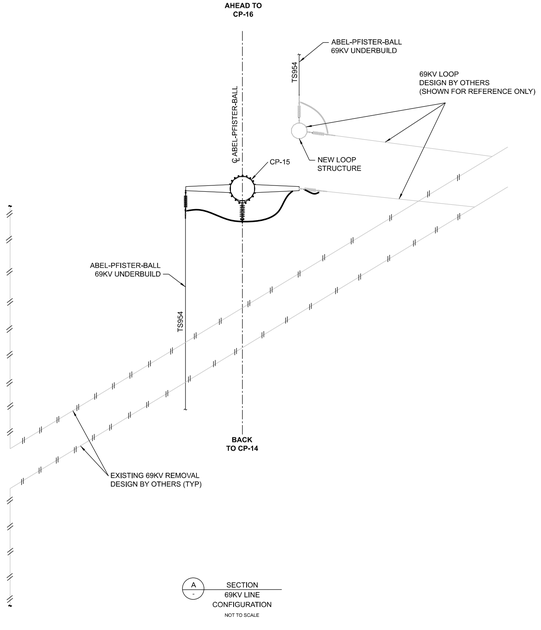
$$Date$$Time$$

DETAIL 23

BRACED POST TANGENT
69KV UNDERBUILD DEADEND
CP-15



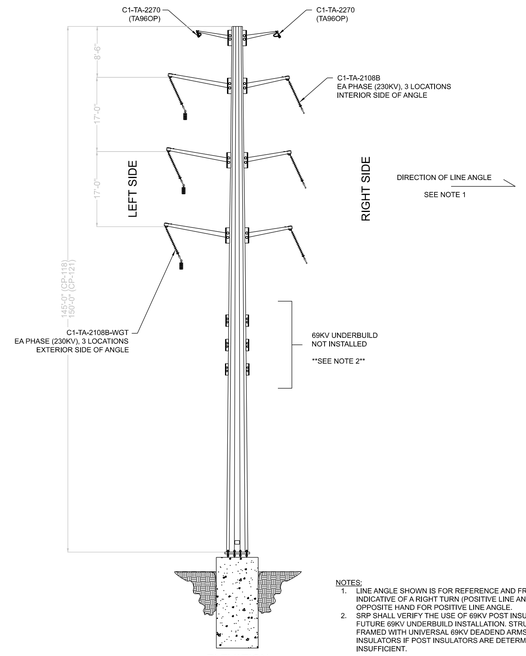
ELEVATION
LOOKING AHEAD



A
SECTION
69KV LINE
CONFIGURATION
NOT TO SCALE

DETAIL 24

HEAVY ANGLE STRUCTURE
69KV UNDERBUILD NOT INSTALLED
CP-118 (NEGATIVE LINE ANGLE)
CP-121 (POSITIVE LINE ANGLE AS SHOWN)



ELEVATION
LOOKING AHEAD

NOTES:
1. LINE ANGLE SHOWN IS FOR REFERENCE AND FRAMING ONLY AND IS INDICATIVE OF A RIGHT TURN (POSITIVE LINE ANGLE). FRAMING OPPOSITE HAND FOR POSITIVE LINE ANGLE.
2. SRP SHALL VERIFY THE USE OF 69KV POST INSULATORS FOR FUTURE 69KV UNDERBUILD INSTALLATION. STRUCTURE MAY BE FRAMED WITH UNIVERSAL 69KV DEADEND ARMS WITH STRAIN INSULATORS IF POST INSULATORS ARE DETERMINED TO BE INSUFFICIENT.

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

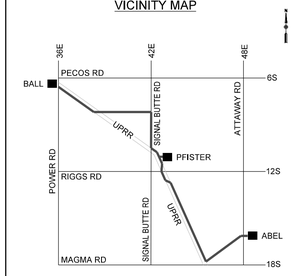
SHEET INDEX:

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INFO, NOTES & DATA SHEET	3-5
PLAN & DETAIL SHEETS	6-22
STRUCTURE DETAIL SHEETS	23-27
DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

SRP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

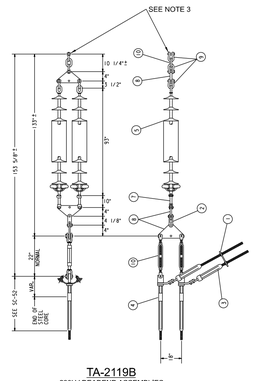
STRUCTURE DETAILS SHEET

JOB # T1952486	SHEET: 27 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$Date$$Time$$

DETAIL 25

TA-2119B
230KV DEADEND ASSEMBLY
FOR (2) 954 KCMIL ACSS "RAIL"



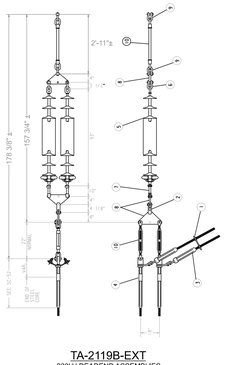
TA-2119B
230kV DEADEND ASSEMBLIES
230KV INSULATOR ASSEMBLY, COMPRESSION DEADEND
POLYMER, 18" VERTICAL BUNDLE

ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY	ULTIMATE STRENGTH (LBS)	
1	Clamp, Bundling Spacer, 8"	5035701	"	1	N/A	
2	Clevis, Clevis, 90 Deg., 4-1/8" Length	5028527	"	1	50,000	
3	Connector, Tap, Compression	5033959	"	2	25,555	
4	Deadend, Compression, Single Die	5034203	"	2	25,555	
5	Insulator, Suspension, Polymer, 25K SML	5034711	"	2	25,000	
6	Shackle, Anchor, 2 1/4" w Cotter Pin	5028766	"	2	25,000	
7	Link, Extension, Hot Line, Socket-Clevis	5034729	"	2	30,000	
8	Plate, Yoke, 18" Spacing, 4" Length	5034839	"	3	30,000	
9	Shackle, Anchor, 3 1/2", w/ 3/4" Cotter Pin	5028763	"	2	50,000	
10	Link, Chain, 1" x 3 1/4", 5/8" I.D.	5034734	"	1	45,000	*SEE NOTE 3
11	Turnbuckle, 3/4" x 9" Take-up, 20" Length	5035620	"	2	25,000	

NOTES:
1. CONDUCTOR SIZE - (2) 954 KCMIL 45/7 ACSS "RAIL", DIAMETER = 1.165".
2. UNLESS OTHERWISE NOTED, BOLTS AND PINS SHALL HAVE NUTS AND COTTERS FACED DOWN OR AWAY FROM THE STRUCTURE.
3. ASSEMBLY SHALL BE INSTALLED WITH ADJACENT INSULATORS IN A HORIZONTAL CONFIGURATION. FOR HORIZONTAL VANG ATTACHMENTS, INSTALL ASSEMBLY AS SHOWN. FOR VERTICAL VANG ATTACHMENTS, DO NOT INSTALL ITEM 10 (LINK) AS INDICATED.

DETAIL 26

TA-2119B-EXT
230KV DEADEND ASSEMBLY
FOR (2) 954 KCMIL ACSS "RAIL"
WITH 28" EXTENSION



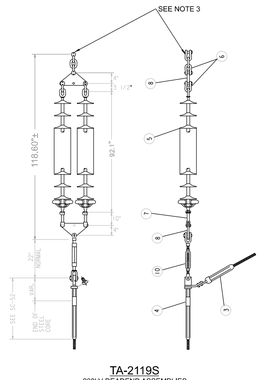
TA-2119B-EXT
230kV DEADEND ASSEMBLIES
230KV INSULATOR ASSEMBLY, COMPRESSION DEADEND
POLYMER, 18" VERTICAL BUNDLE
WITH 28" EXTENSION

ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY	ULTIMATE STRENGTH (LBS)
1	Clamp, Bundling Spacer, 8"	5035701	"	1	N/A
2	Clevis, Clevis, 90 Deg., 4-1/8" Length	5028527	"	1	50,000
3	Connector, Tap, Compression	5033959	"	2	25,555
4	Deadend, Compression, Single Die	5034203	"	2	25,555
5	Insulator, Suspension, Polymer, 25K SML	5034711	"	2	25,000
6	Shackle, Anchor, 2 1/4" w Cotter Pin	5028766	"	2	25,000
7	Link, Extension, Hot Line, Socket-Clevis	5034729	"	2	30,000
8	Plate, Yoke, 18" Spacing, 4" Length	5034839	"	3	30,000
9	Shackle, Anchor, 3 1/2", w/ 3/4" Cotter Pin	5028763	"	2	50,000
10	Extension Link - Oval Eye-Oval Eye, Hot Link, 28"	N/A	MACLEAN LOO-50-28	1	50,000
11	Turnbuckle, 3/4" x 9" Take-up, 20" Length	5035620	"	2	25,000

NOTES:
1. ASSEMBLY SHALL BE IN ACCORDANCE WITH SRP STANDARD DETAIL TA-2119B WITH THE LINK (ITEM 10) REPLACED WITH A 28" EXTENSION LINK AS INDICATED.
2. CONDUCTOR SIZE - (2) 954 KCMIL 45/7 ACSS "RAIL", DIAMETER = 1.165".
3. UNLESS OTHERWISE NOTED, BOLTS AND PINS SHALL HAVE NUTS AND COTTERS FACED DOWN OR AWAY FROM THE STRUCTURE.
4. EXTENSION LINK SHALL BE A MINIMUM OF 28" LONG WITH 50-KIP ULTIMATE STRENGTH.

DETAIL 27

TA-2119S
230KV DEADEND ASSEMBLY
FOR (1) 1272 KCMIL ACSS "BITTERN"



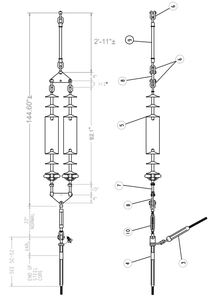
TA-2119S
230kV DEADEND ASSEMBLIES
230KV INSULATOR ASSEMBLY, COMPRESSION DEADEND
POLYMER

ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY	ULTIMATE STRENGTH (LBS)	
1	Not used	-	-	-	-	
2	Not Used	-	-	-	-	
3	Connector, tap, compression	5034208	"	1	25,555	
4	Deadend, compression, two-die system		"	1	25,555	
5	Insulator, suspension, polymer, 25 K SML	5034711	"	2	25,000	
6	Shackle, anchor, 3-1/2", w/ 3/4" cottered pin	5028763	"	4	50,000	
7	Link, extension, hot line, socket-clevis	5034729	"	2	30,000	
8	Link, extension, hot line, socket-clevis	5034839	"	2	30,000	
9	Link, chain, 1" x 3-1/4", 5/8", I.D.	5034734	"	1	45,000	*SEE NOTE 3
10	Turnbuckle, 3/4" x 9" take-up, 20" length	5035620	"	1	25,000	

NOTES:
1. CONDUCTOR SIZE - (1) 1272 KCMIL 45/7 ACSS "BITTERN", DIAMETER = 1.345".
2. UNLESS OTHERWISE NOTED, BOLTS AND PINS SHALL HAVE NUTS AND COTTERS FACED DOWN OR AWAY FROM THE STRUCTURE.
3. ASSEMBLY SHALL BE INSTALLED WITH ADJACENT INSULATORS IN A HORIZONTAL CONFIGURATION. FOR HORIZONTAL VANG ATTACHMENTS, INSTALL ASSEMBLY AS SHOWN. FOR VERTICAL VANG ATTACHMENTS, DO NOT INSTALL ITEM 9 (LINK) AS INDICATED.

DETAIL 28

TA-2119S-EXT
230KV DEADEND ASSEMBLY
FOR (1) 1272 KCMIL ACSS "BITTERN"
WITH 28" EXTENSION



TA-2119S-EXT
230kV DEADEND ASSEMBLIES
230KV INSULATOR ASSEMBLY, COMPRESSION DEADEND
POLYMER
WITH 28" EXTENSION

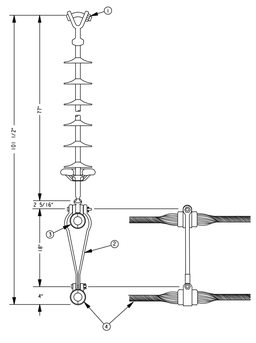
ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY	ULTIMATE STRENGTH (LBS)
1	Not used	-	-	-	-
2	Not Used	-	-	-	-
3	Connector, tap, compression	5034208	-	1	25,555
4	Deadend, compression, two-die system		-	1	25,555
5	Insulator, suspension, polymer, 25 K SML	5034711	"	2	25,000
6	Shackle, anchor, 3-1/2", w/ 3/4" cottered pin	5028763	"	4	50,000
7	Link, extension, hot line, socket-clevis	5034729	"	2	30,000
8	Link, extension, hot line, socket-clevis	5034839	"	2	30,000
9	Extension Link - Oval Eye-Oval Eye, Hot Link, 28"	N/A	MACLEAN LOO-50-28	1	50,000
10	Turnbuckle, 3/4" x 9" take-up, 20" length	5035620	"	1	25,000

NOTES:
1. ASSEMBLY SHALL BE IN ACCORDANCE WITH SRP STANDARD DETAIL TA-2119S WITH THE LINK (ITEM 9) REPLACED WITH A 28" EXTENSION LINK AS INDICATED.
2. CONDUCTOR SIZE - (1) 1272 KCMIL 45/7 ACSS "BITTERN", DIAMETER = 1.345".
3. UNLESS OTHERWISE NOTED, BOLTS AND PINS SHALL HAVE NUTS AND COTTERS FACED DOWN OR AWAY FROM THE STRUCTURE.
4. EXTENSION LINK SHALL BE A MINIMUM OF 28" LONG WITH 50-KIP ULTIMATE STRENGTH.

DETAIL 29

HOLD - CGS TO BE USED

TA-2108B
230KV JUMPER ASSEMBLY
FOR (2) 954 KCMIL ACSS "RAIL"



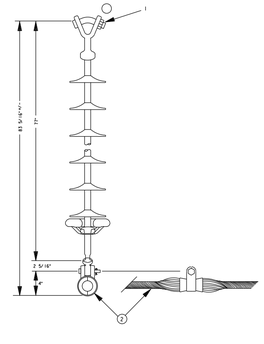
TA-2108B
230kV JUMPER ASSEMBLIES
230KV SUSPENSION INSULATOR ASSEMBLY, 18" VERTICAL BUNDLE
POLYMER, ARMOR GRIP SUPPORT

ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY	ULTIMATE STRENGTH (LBS)
1	Insulator, Polymer, Suspension, 25K, SML	5034710	"	1	25,000
2	Link, Vertical Spacer, 18"	5034831	"	1 SET	12,500
3	Suspension Assembly, AGS, w/Socket Eye	5035489	"	1 SET	25,000
4	Suspension Assembly, AGS, w/o Socket Eye	5035490	"	1 SET	25,000

NOTES:
1. CONDUCTOR SIZE - (2) 954 KCMIL 45/7 ACSS "RAIL", DIAMETER = 1.165".
2. UNLESS OTHERWISE NOTED, BOLTS AND PINS SHALL HAVE NUTS AND COTTERS FACED DOWN OR AWAY FROM THE STRUCTURE.

DETAIL 30

TA-2108
230KV JUMPER ASSEMBLY
FOR (1) 1272 KCMIL ACSS "BITTERN"



TA-2108B
230kV JUMPER ASSEMBLIES
230KV SUSPENSION INSULATOR ASSEMBLY,
POLYMER, ARMOR GRIP SUPPORT

ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY	ULTIMATE STRENGTH (LBS)
1	Insulator, Polymer, Suspension, 25K, SML	5034710	"	1	25,000
2	Suspension Assembly, AGS, PLP, w/Socket Eye	5035494	"	1	25,000

NOTES:
1. CONDUCTOR SIZE - (1) 1272 KCMIL 45/7 ACSS "BITTERN", DIAMETER = 1.345".
2. UNLESS OTHERWISE NOTED, BOLTS AND PINS SHALL HAVE NUTS AND COTTERS FACED DOWN OR AWAY FROM THE STRUCTURE.

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811 BLUE STAKE, INC.
Call 811 or click Arizona811.com

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

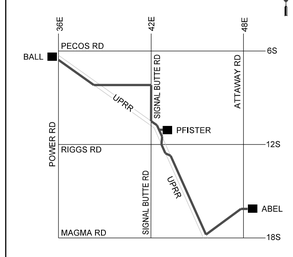
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DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

SRP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

DETAIL SHEET

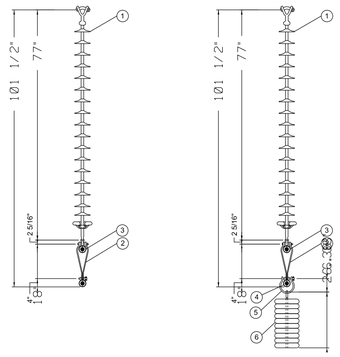
JOB # T1952486 SHEET: 28 OF 53

DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$Date$Time$$

DETAIL 31

TA-2108B & TA-2108B-WGT
230KV RUNNING ANGLE SUSPENSION ASSEMBLIES
FOR (2) 954 KCMIL ACSS "RAIL"



TA-2108B
230kV SUSPENSION INSULATOR ASSEMBLY
18" VERTICAL BUNDLE
POLYMER, ARMOR GRIP SUPPORT

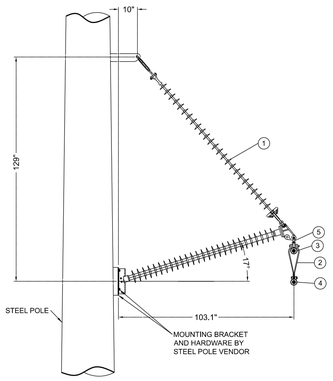
TA-2108B-WGT
230kV SUSPENSION INSULATOR ASSEMBLY
18" VERTICAL BUNDLE
POLYMER, ARMOR GRIP SUPPORT
W/ INSULATOR WEIGHT

ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY	ULTIMATE STRENGTH (LBS)	NOTES
1	Insulator, Polymer, Suspension, 25K, SML	5034710	-	1	25,000	
2	Link, Vertical Spacer, 18"	5034831	-	1 SET	12,500	
3	Suspension Assembly, AGS, w/Socket Eye	5035489	-	1 SET	25,000	
4	Suspension Assembly, AGS, w/o Socket Eye	5035490	-	1 SET	25,000	
5	Hold Down Weight Shackle, 5/8" PIN	N/A	MACLEAN HWS.5	1	25,000	TA-2108B-WGT ONLY
6	Hold Down Weights for Suspension, 500 lbs	N/A	MACLEAN C-6887-500	1 SET	25,000	TA-2108B-WGT ONLY

DETAIL 32

TA-2160.5-MOD
230KV BRACED POST ASSEMBLY
FOR (2) 954 KCMIL ACSS "RAIL"

HOLD - CGS TO BE USED



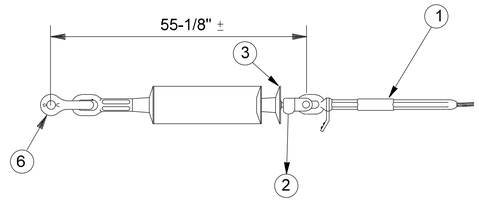
TA-2160.5-MOD
230KV BRACED POST ASSEMBLY
18" VERTICAL BUNDLE
POLYMER, ARMOR GRIP SUPPORT

ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY	ULTIMATE STRENGTH (LBS)
1	Insulator, Braced Post Assembly	HOLD	-	1	NOTE 3
2	Link, Vertical Spacer, 18"	5034831	-	1 SET	12,500
3	Suspension Assembly, AGS, w/Socket Eye	5035489	-	1 SET	25,000
4	Suspension Assembly, AGS, w/o Socket Eye	5035490	-	1 SET	25,000
5	Y-Clevis/Ball	5028913	-	1	25,000

NOTES:
1. CONDUCTOR SIZE - (2) 954 KCMIL 45/7 ACSS "RAIL", DIAMETER = 1.165".
2. UNLESS OTHERWISE NOTED, BOLTS AND PINS SHALL HAVE NUTS AND COTTERS FACED DOWN OR AWAY FROM THE STRUCTURE.
3. BRACED POST ASSEMBLY STRENGTH TO BE VERIFIED WITH MANUFACTURER PROVIDED LOADING CURVE.

DETAIL 33

TA-114C
69KV DEADEND ASSEMBLY
FOR (1) 954 KCMIL ACSS "RAIL"



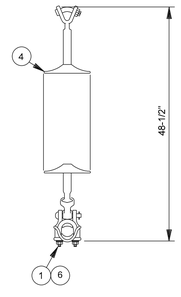
TA-114C
69kV INSULATOR ASSEMBLY
SUB. DROP W/POLYMER & COMPRESSION

ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY
1	DEADEND COMPR. W/NEMA PAD	5034202 5034204	-	1
2	CLEVIS,SOCKET, 2-5/8"	5035721	-	1
3	INSULATOR,POL YMER,49"	5034606	-	1
6	SHACKLE, 3-1/2" LONG W/ 7/8" OPENING	5028763	-	1

NOTES:
1. CONDUCTOR SIZE - (1) 954 KCMIL 45/7 ACSS "RAIL", DIAMETER = 1.165".
2. UNLESS OTHERWISE NOTED, BOLTS AND PINS SHALL HAVE NUTS AND COTTERS FACED DOWN OR AWAY FROM THE STRUCTURE.

DETAIL 34

TA-113
69KV JUMPER ASSEMBLY
FOR (1) 954 KCMIL ACSS "RAIL"



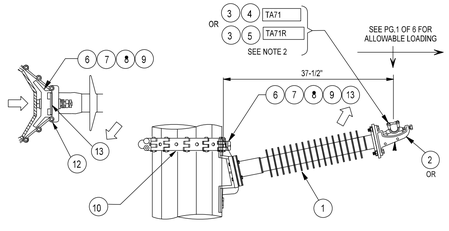
TA-113
69KV INSULATOR ASSEMBLY
SUSPENSION JUMPER

ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY
1	CLAMP, SUSPENSION, OVER LINE GUARD	5035709	-	1
4	INSULATOR, SUSPENSION, POLYMER	5034605	-	1
6	LINE GUARD, 51"	5034990	-	1 SET

NOTES:
1. CONDUCTOR SIZE - (1) 954 KCMIL 45/7 ACSS "RAIL", DIAMETER = 1.165".
2. UNLESS OTHERWISE NOTED, BOLTS AND PINS SHALL HAVE NUTS AND COTTERS FACED DOWN OR AWAY FROM THE STRUCTURE.

DETAIL 35

TA-71
69KV JUMPER ASSEMBLY
FOR (1) 954 KCMIL ACSS "RAIL"
STR CP-15 ONLY



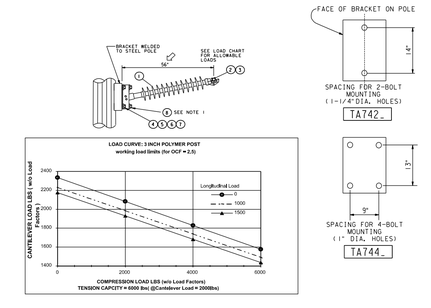
TA-71
69KV JUMPER POST ASSEMBLY
2-1/2" POLYMER LINE POST

ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY
1	Insulator, Line Post, Polymer	5034473	"	1
2	Bracket, Single Trunnion Assembly	5034469	"	1
3	Clamp, Clamptop, Universal	5028396	"	1
4	Rod, Lineguard	5034990	"	1 SET
6	Bolt, Machine, 3/4" X 3-1/2" w/Nut	5027750	"	1
7	Washer, Double Coil Lock, for 3/4" Bolt	5029169	"	1
8	Washer, Round, for 3/4" Bolt	5029175	"	1
9	Locknut, MF, 3/4"	5028258	"	1
10	Band, Pole, Link Assembly	5028719	"	2
12	Link, Insulator Base	5027578	"	1
13	Washer, Square, 3/4"	5029181	"	1

NOTES:
1. CONDUCTOR SIZE - (1) 954 KCMIL 45/7 ACSS "RAIL", DIAMETER = 1.165".
2. UNLESS OTHERWISE NOTED, BOLTS AND PINS SHALL HAVE NUTS AND COTTERS FACED DOWN OR AWAY FROM THE STRUCTURE.

DETAIL 36

TA-744
69KV POST INSULATOR ASSEMBLY
FOR (1) 954 KCMIL ACSS "RAIL"



TA-744
69KV POST INSULATOR ASSEMBLY
3" POLYMER LINE POST

ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY
1	Insulator, Line Post, Polymer	5034588	"	1
2	Clamp, Clamptop, Universal	5028396	-	1
3	Rod, Armor	5034962	-	1 SET
4	Bolt, Machine, 7/8" x 3 1/2 " w/ Square Nut	5027863	-	4
5	Nut, Locknut, MF, 7/8"	5028259	-	4
6	Washer, Lock, 7/8"	5029170	-	4
7	Washer, Flat, Steel, 7/8"	5004967	-	8

NOTES:
1. THIS INSULATOR IS FOR USE ON CUSTOM ORDERED STEEL POLE STRUCTURES WITH MOUNTING BRACKETS. FOR A T-744 ASSEMBLY, FOUR (4) BOLTS WILL BE USED IN A RECTANGULAR BOLT PATTERN. ITEM 8 IS NOT REQUIRED FOR THIS ASSEMBLY.
2. CONDUCTOR SIZE - (1) 954 KCMIL 45/7 ACSS "RAIL", DIAMETER = 1.165".
3. UNLESS OTHERWISE NOTED, BOLTS AND PINS SHALL HAVE NUTS AND COTTERS FACED DOWN OR AWAY FROM THE STRUCTURE.

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

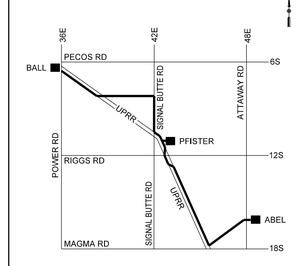
SHEET INDEX:

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PLAN & DETAIL SHEETS	6-22
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DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

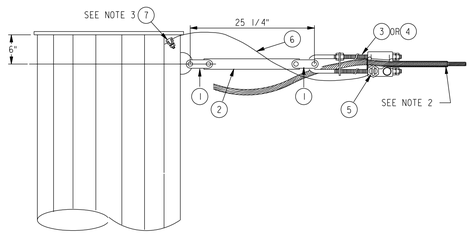
DETAIL SHEET

JOB # T1952486	SHEET: 29 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$Date$Time$$

DETAIL 37

TA-2275
OPGW DEADEND
FOR TA48OP AND TA96OP



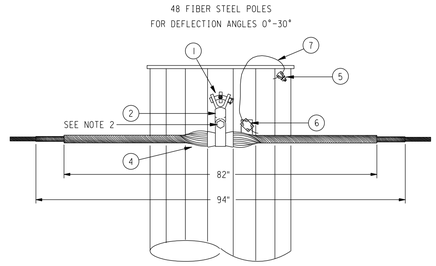
TA-2275
230kV OHGW, OPGW & GROUNDING ASSEMBLIES
OPGW DEADEND ASSEMBLY
FIBEROPTICAL GROUND WIRE

ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY
1	Clevis- Clevis	5028894	-	1
2	Strap, Extension, 18"	5035482	-	1
4	Clamp, Bolted Deadend for 48 OR 96 OPGW	5035592	-	1
5	Connector, Servit Post	5016613	-	1
6	Wire, Copper, #6, Bare	5033845	-	5 FT
7	Connector, Ground	5016613	-	1

NOTES:
1. UNLESS OTHERWISE NOTED, BOLTS AND PINS SHALL HAVE NUTS AND COTTERS FACED DOWN OR AWAY FROM THE STRUCTURE.
2. OPGW WIRE SIZE - AFL DNO-7623 (TA48OP) OR AFL DNO-7702 (TA96OP), DIAMETER = 0.637".
3. ATTACH GROUND WIRE TO STEEL POLE GROUNDING NUT. IF POLE DOES NOT HAVE GROUNDING NUT, DRILL AND TAP FOR 1/2"-13 UNC BOLT.

DETAIL 38

TA-2270
OGPW SUSPENSION
FOR TA48OP AND TA96OP



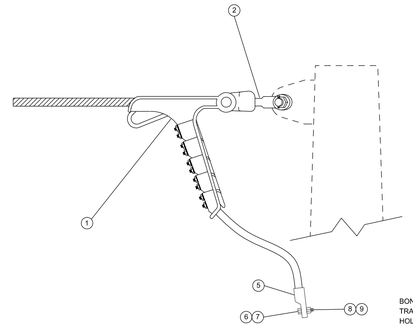
TA-2270
230kV OHGW, OPGW & GROUNDING ASSEMBLIES
OPGW SUSPENSION ASSEMBLY
FIBEROPTICAL GROUND WIRE

ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY
1	Y-Clevis/Ball	5028913	-	1
2	Socket-Eye	5034216	-	1
4	Suspension Assembly, (AGS)	5035497	-	1
5	Connector, Ground	5034347	-	1
6	Connector, Terminal	5016724	-	1
7	Wire, Copper, #6, Bare	5033845	-	5 FT

NOTES:
1. OPGW WIRE SIZE - AFL DNO-7623 (TA48OP) OR AFL DNO-7702 (TA96OP), DIAMETER = 0.637".
2. Y-CLEVIS MUST ARTICULATE IN AGS, DO NOT OVERTIGHTEN THE BOLT THROUGH THE HOUSING STRAP.
3. UNLESS OTHERWISE NOTED, BOLTS AND PINS SHALL HAVE NUTS AND COTTERS FACED DOWN OR AWAY FROM THE STRUCTURE.
4. ATTACH GROUND WIRE TO STEEL POLE GROUNDING NUT. IF POLE DOES NOT HAVE GROUNDING NUT, DRILL AND TAP FOR 1/2"-13 UNC BOLT.

DETAIL 39

TA-2235-MOD
SHIELD WIRE DEADEND
FOR TAW8



BOND SHIELD WIRE TO GROUNDING NUT ON TRANSMISSION STRUCTURE OR GROUNDING HOLE ON SUBSTATION DEADEND

TA-2235-MOD
230kV OHGW, OPGW & GROUNDING ASSEMBLIES
GROUND WIRE DEADEND ASSEMBLY
SINGLE DEADEND
WITH GROUNDING LUG

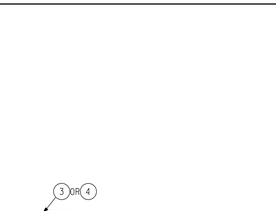
ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY
1	Clamp, Deadend, Strain, w/Socket	5035587	-	1
2	Fitting, Tower, Y-Clevis Ball	5028913	-	1
5	Connector, Terminal, Aluminum	5016691	-	1
6	Screw, Hex, Steel, ZP, 1/2" x 1-1/2"	5069529	-	1
7	Washer, Flat, Cut, Steel, 1/2"	5004963	-	1
8	Nut, Hex, Steel, Zinc-Plated, 1/2"	5069398	-	1 OR 0
9	Washer, Lock, Spring, Steel, 1/2"	5005093	-	1 OR 0

NOTES:
1. SHIELD WIRE SIZE - 7 NO 8 ALUMOWELD, DIAMETER = 0.385".
2. Y-CLEVIS MUST ARTICULATE IN AGS, DO NOT OVERTIGHTEN THE BOLT THROUGH THE HOUSING STRAP.
3. UNLESS OTHERWISE NOTED, BOLTS AND PINS SHALL HAVE NUTS AND COTTERS FACED DOWN OR AWAY FROM THE STRUCTURE.
4. ATTACH GROUND WIRE TO STEEL POLE GROUNDING NUT. IF POLE DOES NOT HAVE GROUNDING NUT, DRILL AND TAP FOR 1/2"-13 UNC BOLT.

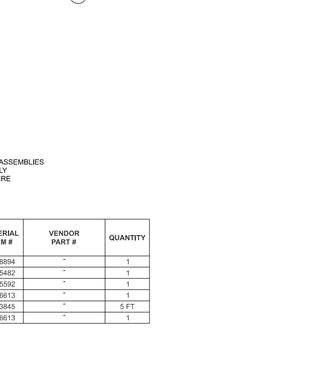
DETAIL 40

BKS6ST | BKPG49S | BKSRT51
OPGW SPLICE BOX, STRAIN RELIEF, AND GROUNDING BRACKET
FOR TA48OP AND TA96OP

STR NO.	OPGW WIRE SIZE	QTY SPLICE BOX	SPLICE LOCATION	NOTES
CP-1	TA96OP	2	LEFT & RIGHT	
CP-4	TA96OP	2	LEFT & RIGHT	3-WAY SPLICE REQUIRED, DETAIL 41
CP-15	TA96OP	2	LEFT & RIGHT	3-WAY SPLICE REQUIRED, DETAIL 41
CP-20	TA96OP	2	LEFT & RIGHT	3-WAY SPLICE REQUIRED, DETAIL 41
CP-38	TA96OP	2	LEFT & RIGHT	
CP-60	TA96OP	2	LEFT & RIGHT	
CP-71B	TA96OP	2	LEFT & RIGHT	
CP-72C	TA96OP	2	LEFT & RIGHT	
CP-76	TA96OP	2	LEFT & RIGHT	
CP-86	TA96OP	2	LEFT & RIGHT	
CP-98	TA96OP	2	LEFT & RIGHT	
CP-119	TA96OP	2	LEFT & RIGHT	
CP-129	TA96OP	2	LEFT & RIGHT	
CP-132	TA96OP	2	LEFT & RIGHT	
CP-148	TA96OP	2	LEFT & RIGHT	
CP-149	TA96OP	2	LEFT & RIGHT	
CP-152	TA96OP	2	LEFT & RIGHT	
CP-175A	TA96OP / TA48OP	1	LEFT & RIGHT	3-WAY SPLICE REQUIRED, DETAIL 41
CP-175B	TA96OP	1	RIGHT	
CP-176B	TA96OP	1	LEFT	
P-176	TA96OP / TA48OP	EXISTING	EXISTING	3-WAY SPLICE REQUIRED, DETAIL 41



PLAN VIEW
SPLICE BOX ORIENTATION
FLATS 2 AND 12
(AS INDICATED)



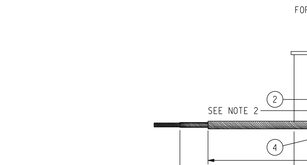
SPLICE BOX DETAIL
SEE ORIENTATION AND NOTES
PIGGY BACKING CLAMPS AS SHOWN
TWO (2) SPLICE BOXES SHOWN

NOTES:
1. SPLICE BOXES SHALL BE INSTALLED ON THE STRUCTURE'S TRANSVERSE AXIS (BISECTOR OF LINE ANGLE) UNLESS OTHERWISE NOTED.
2. LEFT AND RIGHT SIDE OF STRUCTURE ARE DESIGNATED LOOKING IN THE AHEAD DIRECTION.
3. SPLICE BOXES SHALL BE INSTALLED AT THE ORIENTATION NOTED UNLESS OTHERWISE DIRECTED BY SRP ENGINEERING OR TELECOMMUNICATIONS.
4. STRAIN RELIEF BRACKETS AND GROUNDING BRACKETS MAY BE "PIGGY BACKED" OR STACKED ON TOP OF EACH OTHER FOR TRAINING WIRES DOWN POLE INTO SPLICE BOXES. BOLTS PROVIDED WITH STANDARD ASSEMBLIES ARE FOR A SINGLE BRACKET INSTALLATION. CONTRACTOR SHALL PROVIDE BOLTS OF EQUIVALENT MATERIAL AND SIZE WITH SUFFICIENT LENGTH TO BOLT THROUGH STACKED BRACKETS SHOULD PIGGY BACKING BE CONSIDERED.
5. SPLICE BOXES AND FIBER HARDWARE SHALL BE INSTALLED ON FLATS TO AVOID CONFLICT WITH INSULATORS AND/OR DAVIT ARMS.
6. SPLICE CASE SHALL BE INSTALLED A MINIMUM OF 15'-0" ABOVE GROUND LINE.
7. STRAIN RELIEF BRACKETS, GROUNDING BRACKETS, AND SPLICE CASES SHALL BE BOLTED TO THE POLE. CONTRACTOR SHALL FIELD DRILL/TAP HOLES AND COLD GALVANIZE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
8. MAXIMUM SPACING BETWEEN STRAIN RELIEF BRACKETS SHALL BE 6'-0". INSTALL GROUND BRACKET 4'-0" ABOVE SPLICE BOX.
9. REFER TO THE FOLLOWING DETAILS WITHIN THE SRP COMMUNICATIONS DESIGN & CONSTRUCTION STANDARDS:

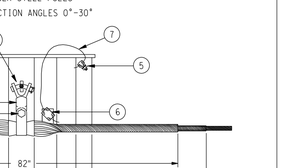
BKPG49S	OPGW GROUNDING BRACKETS	PG 3-2-1
BKSRT51	OPGW STRAIN RELIEF BRACKETS	PG 3-2-1
BKS6ST	SPLICE CASES BOLTED TO STEEL POLE	PG 5-5-1

DETAIL 41

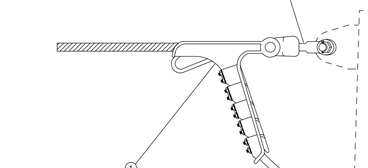
BKS6ST | BKPG49S | BKSRT51
OPGW SPLICE BOX, STRAIN RELIEF, AND GROUNDING BRACKET
FOR TA48OP AND TA96OP



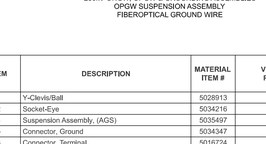
CP-4
NOT TO SCALE



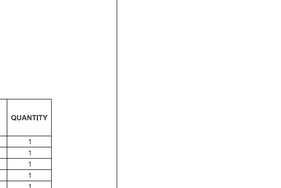
CP-15
NOT TO SCALE



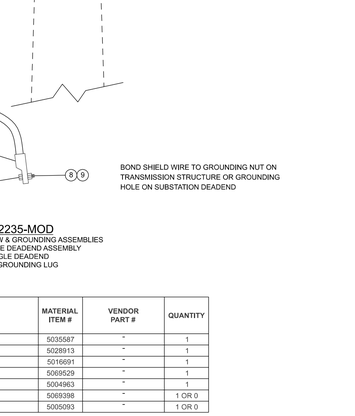
CP-20
NOT TO SCALE



P-176
NOT TO SCALE



CP-175A
NOT TO SCALE



3-WAY SPLICE DETAIL
SEE ORIENTATION AND NOTES
PIGGY BACKING CLAMPS AS SHOWN
TWO (2) SPLICE BOXES SHOWN

NOTES:
1. MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH DETAIL 40.

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

COMPLETED:	
BY:	
CHANGES: ☐ YES ☐ NO	

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

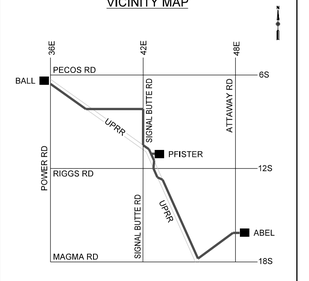
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DETAIL SHEETS	28-31
PLAN & PROFILE SHEETS	32-53

RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

PRELIMINARY - ISSUED FOR 90%

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

DETAIL SHEET

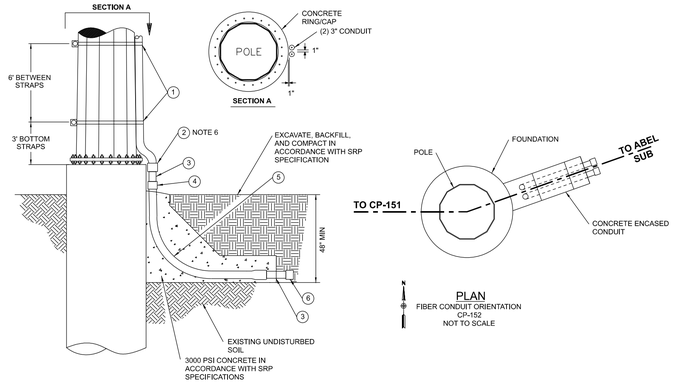
JOB # T1952486	SHEET: 30 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$Date$$Time$$

DETAIL 42

FIBER CONDUIT INSTALLATION PLAN
AERIAL TO UNDERGROUND TRANSITION
CP-152
BOOT NOT SHOWN (SEE NOTE 5)

ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY
1	Band, Conduit, 3/4" x 0.03 Thk, Stainless Steel	5034955	"	2
2	Adapter, Conduit, 3", Female, Threaded, Sch 40 PVC	5034947	"	2
3	Conduit, PVC, 3", ASTM F512 & F1488	5035470	"	40 FT
4	Coupling, Conduit, 3", Sch 40, PVC, ASTM F512, NEMA TC3	5034168	"	2
5	Elbow, Conduit, 3", 36° Radius, Sch 40PVC, 90-deg Sweep	5033722	"	2
6	Cap, Conduit, 3" Sch 40, PVC, Direct Burial Molded	5035086	"	2

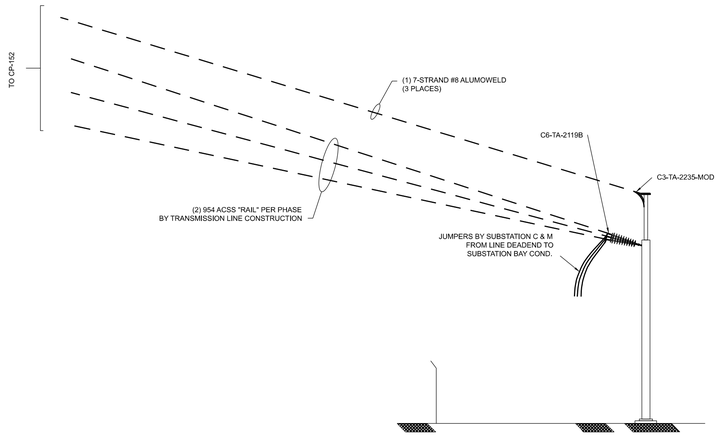


ELEVATION
FIBER CONDUIT INSTALLATION
NOT TO SCALE

NOTES:
1. CONFIRM QUANTITY OF CONDUIT AND ORIENTATION WITH SRP COMMUNICATION ENGINEERING PRIOR TO INSTALLATION.
2. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH SRP SPECIFICATIONS.
3. COORDINATE CONSTRUCTION SEQUENCE WITH SRP TELECOM ENGINEERING.
4. A MINIMUM OF 3" SHALL BE MAINTAINED FROM EDGE OF CONDUIT TO EDGE OF CONCRETE ENCASEMENT.
5. BURIED CONDUIT SHALL BE CAPPED BELOW GRADE AND CLEARLY IDENTIFIED AND LOCATION SHALL BE CLEARLY MARKED ABOVE GRADE.
6. TOP OF ADAPTER SHALL BE INSTALLED FLUSH WITH DRILLED PIER TOP OF CONCRETE ELEVATION.
7. INSTALL MACHINE SHOP FABRICATED PROTECTION BOOT (SRP ITEM 5035069) IN ACCORDANCE WITH SRP COMMUNICATIONS DESIGN STANDARD 2-17-1.
8. CONTRACTOR SHALL USE CARE AND SHALL VERIFY EXISTING UNDERGROUND OBSTRUCTIONS PRIOR TO EXCAVATION ADJACENT TO THE EXISTING ABEL SUBSTATION.

DETAIL 43

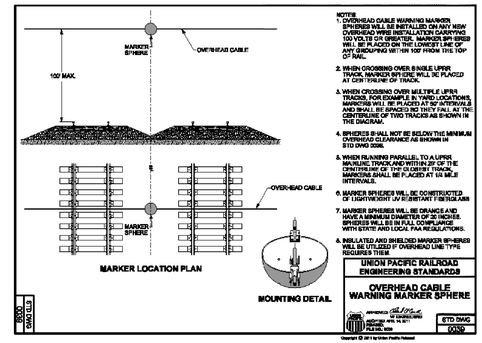
ABEL SUBSTATION BAY
LINE DEADEND TERMINATION



NOTES:
1. SUBSTATION DEADEND BAY PROVIDED BY SUBSTATION ENGINEERING AND INSTALLED BY SUBSTATION CONSTRUCTION CONTRACTOR.

DETAIL 44

MARKER BALL DETAILS
UNION PACIFIC RAILROAD CROSSINGS

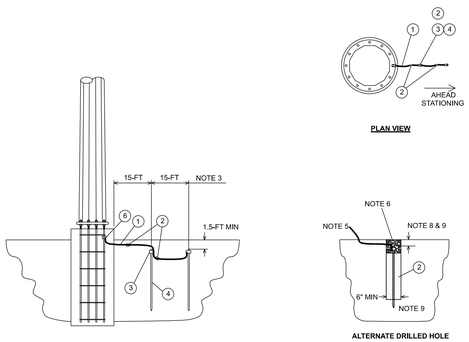


SPAN	VOLTAGE (KV)	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY PER SPAN
CP-20 TO CP-21	230	SpanGuard AL Aluminum Marker, 24", High Temp	N/A	P&RTECH AL24	2
CP-20 TO P-67	69	DESIGN AND MATERIAL BY OTHERS			
CP-76 TO CP-77	69	SpanGuard AL Aluminum Marker, 24", High Temp	N/A	P&RTECH AL24	2
CP-85 TO CP-86	69	SpanGuard AL Aluminum Marker, 24", High Temp	N/A	P&RTECH AL24	2

NOTES:
1. MARKER BALLS SHALL BE 24" P&R TECH SPANGUARD AL HIGH-TEMPERATURE OR APPROVED EQUIVALENT.
2. MARKER BALLS SHALL BE RATED FOR 392°F.
3. INSTALL MARKER BALL ON LOWEST WIRE OF EACH CIRCUIT AT UPRR CROSSINGS IN ACCORDANCE WITH UPPR DETAIL 0039. MARKERS SHALL BE ATTACHED TO THE LOWEST HANGING CABLE OR CONDUCTOR.
4. MARKER BALLS SHALL NOT BE INSTALLED DIRECTLY ON WIRES AND SHALL BE INSTALLED OVER SPIRAL PREFORMED ARMOR RODS.
5. CONTACT ENGINEER WITH DISCREPANCIES.

DETAIL 45

CONCRETE PIER
FOUNDATION GROUNDING

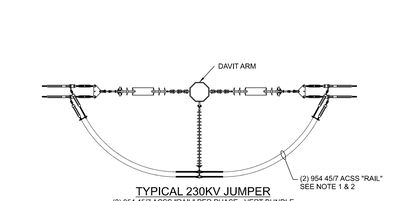


ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY
1	2/0 STRANDED SOFT DRAWN COPPER WIRE	5033854	"	Notes 1-3
2	2/0 TO 2/0 COMPRESSION CONNECTOR	5035169	"	
3	5/8" GROUND ROD TO 2/0 STR CU CLAMP	5016602	"	
4	5/8" X 8FT GROUND ROD	5034975	"	
5	ERICO GEM25A GROUND ENHANCEMENT BACKFILL	"	"	
6	ERICO REBAR GROUNDING CLAMP, HEAVY DUTY	SEE FOUNDATION DETAILS		

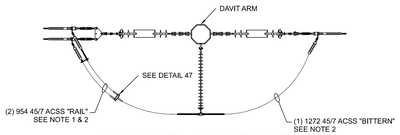
NOTES:
1. FOUNDATION RESISTANCE TO EARTH IS 15 OHMS MAX USING THE 61.8% 3-TERMINAL METHOD.
2. AT A MINIMUM, ONE GROUND ROD IS REQUIRED.
3. ADD GROUND RODS AT 15-FT INTERVALS AS REQUIRED UP TO 10 RODS MAX.
4. CONNECTION FOR CHAINING MAY ALSO BE ACCOMPLISHED USING A SECOND ITEM 3 ON THE ROD.
5. LEAVE 4-FT COIL ABOVE GRADE.
6. BACKFILL TOP OF HOLE WITH SOIL.
7. REFER TO MANUFACTURER'S DATA SHEETS FOR INSTALLATION INSTRUCTIONS.
8. DIMENSION TO TOP OF ROD. INCREASE AS REQUIRED TO KEEP ROD BELOW FROST LINE.
9. DRIVE ROD 1.5-FT INTO GROUND. CONTACT ENGINEER IF NOT POSSIBLE.

DETAIL 46

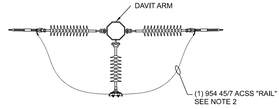
JUMPER DETAILS (TYPICAL)



TYPICAL 230KV JUMPER
(2) 954 45/7 ACSS "RAIL" PER PHASE - VERT BUNDLE
NOT TO SCALE



230KV JUMPER - BUNDLE TRANSITION
(2) 954 45/7 ACSS "RAIL" TO (1) 1272 45/7 ACSS "BITTERN" PER PHASE
NOT TO SCALE

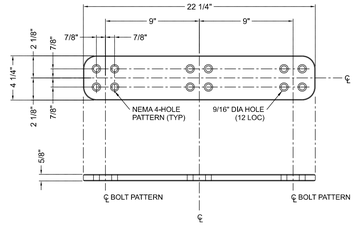


TYPICAL 69KV JUMPER
(1) 954 45/7 ACSS "RAIL" PER PHASE
NOT TO SCALE

NOTES:
1. MAINTAIN 18" SPACING BETWEEN VERTICAL BUNDLE JUMPER WIRES.
2. THE FOLLOWING CLEARANCES SHALL BE MAINTAINED FROM JUMPERS TO FACE OF STEEL. CONTACT ENGINEER WITH DISCREPANCIES.
   230KV 81"
   69KV 31"

DETAIL 47

ALUMINUM BUS BAR DETAIL
TRANSITION FROM (1) ACSS "BITTERN" TO (2) ACSS "RAIL"

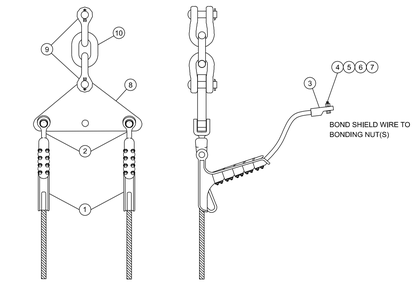


NOTES:
1. CONTRACTOR SHALL FABRICATE BUS BAR OR PROVIDE MANUFACTURED EQUIVALENT TRANSITION FROM

(1) 1272 ACSS "BITTERN" TO (2) 954 ACSS "RAIL" CONDUCTOR.
2. CONNECTOR SHALL BE ALUMINUM ALLOY.
3. CONNECTOR SHALL BE CORONA FREE WITH NO SHARP EDGES OR PARTS.

DETAIL 48

TWO (2) SHIELD WIRE ATTACHMENT
CP-152 TO ABEL SUBSTATION



TWO SHIELD WIRE ATTACHMENT
(2) TA-2235-MOD
230KV INSULATOR ASSEMBLY, COMPRESSION DEADEND
POLYMER, 18" VERTICAL BUNDLE
WITH 28" EXTENSION

ITEM	DESCRIPTION	MATERIAL ITEM #	VENDOR PART #	QUANTITY
1	Clamp, Deadend, Strain, w/Socket	5035587	"	2
2	Clevis Ball	5035716	"	2
3	Connector, Terminal, Aluminum	5016691	"	2
4	Screw, Hex, Steel, ZP, 1/2" x 1-1/2"	5069529	"	2
5	Washer, Flat, Cut, Steel, 1/2"	5004963	"	2
6	Nut, Hex, Steel, Zinc-Plated, 1/2"	5069398	"	2 OR 0
7	Washer, Lock, Spring, Steel, 1/2"	5005093	"	2 OR 0
8	Plate, Yoke, 18" Spacing, 4" Length	5034839	"	1
9	Shackle, Anchor, 3 1/2", w/ 3/4" Cotter Pin	5028763	"	2
10	Link, Chain, 1" x 3 1/4", 5/8" I.D.	5034734	"	1

NOTES:
1. SHIELD WIRE SIZE - 7 NO 8 ALUMOWELD, DIAMETER = 0.385".
2. Y-CLEVIS MUST ARTICULATE IN AGS. DO NOT OVERTIGHTEN THE BOLT THROUGH THE HOUSING STRAP.
3. UNLESS OTHERWISE NOTED, BOLTS AND PINS SHALL HAVE NUTS AND COTTERS FACED DOWN OR AWAY FROM THE STRUCTURE.
4. ATTACH GROUND WIRE TO STEEL POLE GROUNDING NUT. IF POLE DOES NOT HAVE GROUNDING NUT, DRILL AND TAP FOR 1/2"-13 UNC BOLT.

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811 BLUE STAKE, INC.
Call 811 or click Arizona811.com

COMPLETED:	
BY:	
CHANGES:	☐ YES ☐ NO

CONTACTS:

DSGN/ENGR: TODD GARDNER
OFFICE: (713) 208-9995
MOBILE: N/A

PROJ. LEAD: KYLE FELDPAUSH
OFFICE: (602) 236-6334
MOBILE: (480) 208-3713

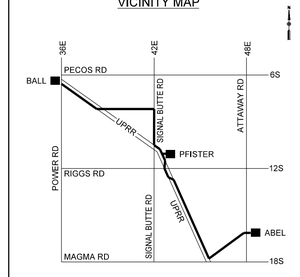
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RELATED JOB NUMBER(S):

PERMIT NUMBER(S):
CITY OF GILBERT
CITY OF MESA
TOWNSHIP OF QUEEN CREEK
TOWNSHIP OF SANTAN VALLEY
TOWNSHIP OF FLORENCE
PERMIT #: 000000000 EXP: 00/00/00

VICINITY MAP



MAP 1/4 SE SEC 25 T2S-R7E
YG25NE

REV. #	DATE	DSGN / ENGR	CHK	ISSUE AUTH
A	03/25/22	TGARDNER	JDJ	JDJ

PRELIMINARY - ISSUED FOR 90%

SNP TRANSMISSION LINE DESIGN

ABEL-PFISTER-BALL
NEW 230KV LINE SEGMENT

DETAIL SHEET

JOB # T1952486	SHEET: 31 OF 53
DISTRIBUTION CODE	DWG SIZE
TD1.5A, CO, PI + 10	22 X 34

$$Date$Time$$