

CHANGE ORDER REQUEST

То	No.	COR002
Littleton Elementary School District PO Box 280,	Date	2023-02-22
Cashion, AZ 85329	Project #	210198
	Project Name	Littleton - New Elementary School at Alamar

Due Date

Contractor respectfully requests a response by the above listed due date. Approval after this date may have additional costs or time impacts due to installation sequencing or material cost escalation.

Project Manager Connor Lewis

Scope Description Additional Days

Job Code	Cost Code	Description	Amount
210198-35	26100	Adjacent Ways - Unforeseen Electrical Requirements per SRP Design Documents	89,925.55

Change Order Request Total \$ 89,925.55

NOTE:

Unless clarified above, CHASSE Building Team reserves the right to evaluate and/or revise the scheduled completion date and review general conditions for the project based on the cumulative impact of this and other changes in the future.

cc:	Date:	Date:
Connor Lewis		
CHASSE Building Team Submitted By:	Littleton Elementary School District Approved By:	ADM Group Inc Approved By:
CHASSE Building Toom	Littleton Flomentary School District	ADM Croup Inc
CONTRACTOR	OWNER	ARCHITECT



PROPOSED CHANGE ORDER

Client Address:

Chasse Building Team 230 S. Siesta Lane Tempe, AZ CCN # PCO #008 Date: 1/26/2023

Project Name: Littleton Elementary

Project Number: 2021146

Page Number: 1

Work Description

Ths PCO reflects the added scope per the SRP Final Design and SRP Pre-con. Please see attached Marked Up SRP Plans for added scope.

Added Scope breakdown as follows:

Added Secondary Trench & Conduit per SRP Design - \$8,904.40 electrical

Added (Street Crossing) Boring - \$17,777.85 electrical

Added (Street Crossing) Splice Pits - \$10,808.52 electrical

Added (Street Crossing) Potholing - \$5,521.17 Survey

Added (Street Crossing) Traffic Control - \$15,000.00 electrical

Added Pulling Enclosure - \$6,184.92 electrical

Added Existing Duct Bank Tie-in - \$4,500.00 electrical

Work Exclusions

- ·All drywall repairs, painting, and wall covering.
- ·All exterior wall repairs, painting, and wall covering
- ·All concrete patches and or repairs.
- ·All ceiling and grid replacements.
- ·All finished flooring replacement and or repairs.
- ·All Low Voltage wiring and terminations
- ·Any work not specifically included is hereby excluded

We reserve the right to correct this quote for errors and omissions.

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.

This price is good for acceptance within 10 days from the date of receipt.

We request a time extension of 3 days.

We will supply and install all materials, labor, and equipment as per your instructions on **CCN # PCO #008**.

Summary

MATERIAL ADDED SCOPE

68,696.86

Subtotal Material LABOR

68,696.86 1,725.00

PROJECT MANAGER SUPERINTENDENT GENERAL FOREMEN

(15.00 Hrs @ \$115.00) (5.00 Hrs @ \$84.00) (20.00 Hrs @ \$76.00)

420.00 **General Conditions** 1,520.00

Subtotal Labor
DIRECT JOB EXPENSES
DELIVERY & PICK UP

3,665.00 1,373.94

PROPOSED CHANGE ORDER

Client Address:

Tempe, AZ

230 S. Siesta Lane

CCN# PCO #008 Date: 1/26/2023

Project Name: Littleton Elementary

Project Number: Page Number: 2021146

2

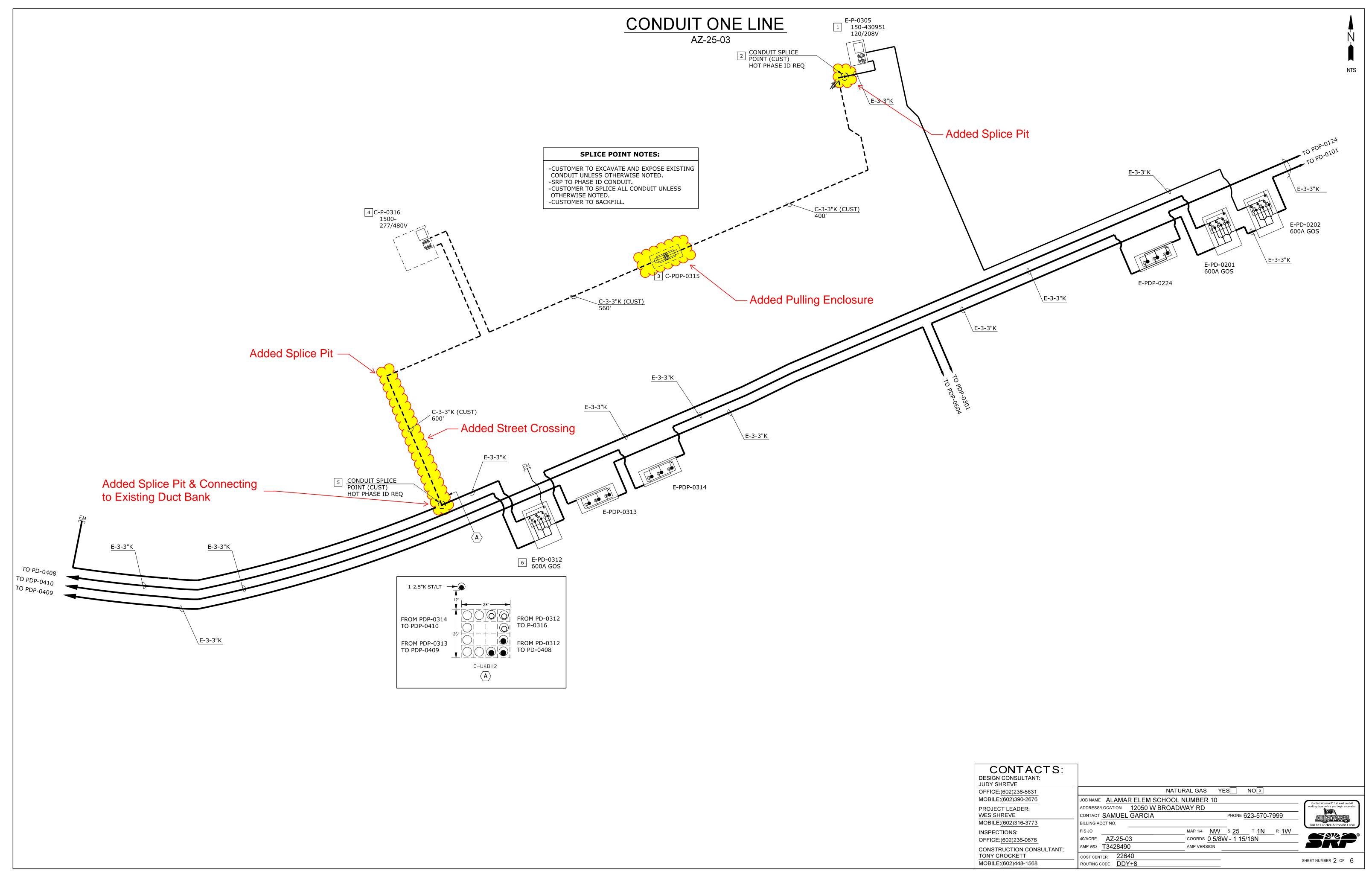
Summary (Cont'd)					
SAFETY CONSUMABLES WARRANTY SMALL TOOLS					686.97 1,373.94 1,373.94 686.97
Subtotal General Ex				General Conditions	5,495.76
OVERHEAD & MARK Overhead Markup	KUP	(@ 10.0 (@ 5.00	000 %) 00 %)	Contractor Fee	7,785.76 4,282.17
Final Amount					\$89,925.55
CONTRACTOR CE	RTIFICATION				
Name: Date: Signature:	certify that this quotation is comp	olete and accurate based on t	he information provided.		
CCN # Final Amount: Name:	PCO #008 \$89,925.55				
Date:					
Signature:					
Change Order #:					

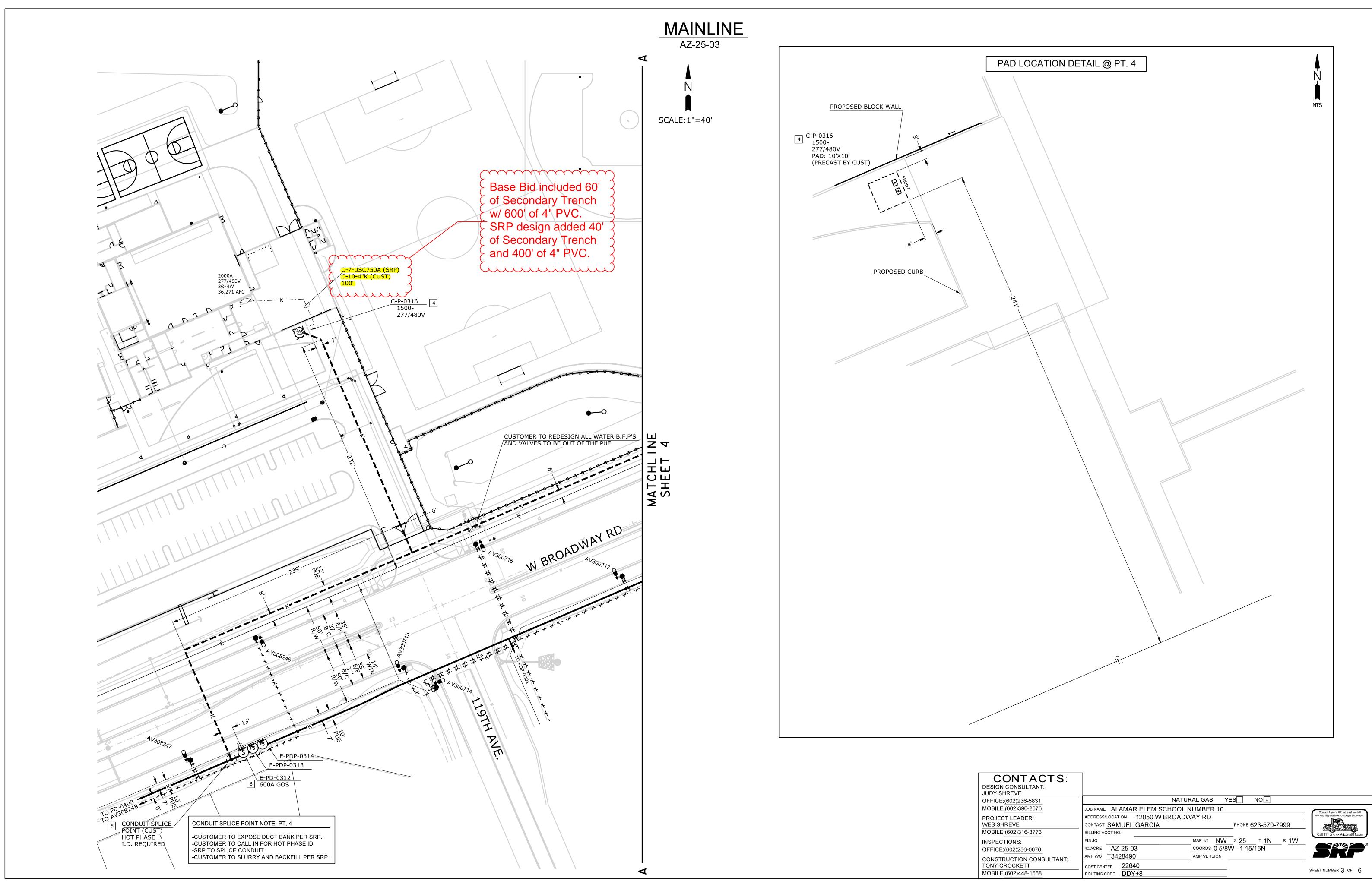
PROJECT NOTES SCHEMATIC SRP ELECTRIC SERVICE SPECIFICATIONS ARE AVAILABLE ON-LINE AT: FTP://WWW.SRPNET.COM/ELECTRIC/BUSINESS/SPECS CUSTOMER IS RESPONSIBLE FOR: a. PROVIDING SRP VEHICLES WITH A MINIMUM 12' WIDE AND 20' HIGH PERMANENT TRUCK ACCESS TO ALL SRP EQUIPMENT, ANY SES OR EXTERIOR METER ROOM ENTRANCE. EACH SERVICE ENTRANCE PULL SECTION SHALL OPEN DIRECTLY TOWARDS THE EXTERIOR METER ROOM ENTRANCE. THIS PROVIDES EQUIPMENT ACCESS FOR CABLE INSTALLATION. WITH A MINIMUM WIDTH OF 12', REMOVABLE SCREEN WALLS, PANELS, OR DOORS MAY BE USED AS AN ARCHITECTURAL FEATURE, PROVIDED THE ACCESS ROUTE COMPLIES TO SRP VEHICLE ACCESS REQUIREMENTS. b. ALL CONDUIT (PVC, DB120, RATED FOR 90 DEGREES C CABLE, ASTM F512 WITH ALL ELBOWS BEING SCHEDULE 40 36" RADIUS), TRENCH, BACKFILL, COMPACTION, (UNLESS OTHERWISE SPECIFIED. ALL FILL BELOW AND AROUND ELECTRIC UTILITY FIXTURE FOUNDATION PADS SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DRY DENSITY (AT OR NEAR OPTIMUM MOISTURE CONTENT) IN ACCORDANCE WITH ASTM D698. 1/2 CONTROLLED LOW STRENGTH MATERIAL BACKFILL MAY BE PLACED IN LIEU OF COMPACTED BACKFILL) AND MAINTENANCE OF TRENCH AND CONDUIT UNTIL WIRE IS PULLED. CONTACT SRP AND SCHEDULE A HOT ID AFTER LOCATING AND EXPOSING EXISTING STUBBED CONDUIT. 1 E-P-0305 150-430951 120/208V c. INSTALLATION OF 3 PHASE TRANSFORMER PAD(S), TEMPLATES(S) AND GROUND ROD(S). d. STAMPED AND REGISTERED PROPERTY PINS AND FINAL GRADE STAKES FOR PAD AND TRENCH LOCATIONS. e. REVIEWING AND SIGNING OFF ON MATERIALS DELIVERED TO THE JOB SITE. f. ALL SURFACE RESTORATIONS AND LANDSCAPE REPAIRS. **∠**C-N.O. . SRP'S POINT OF DELIVERY TO BE: $\overline{\mathbf{X}}$ S.E.S., $\overline{}$ JUNCTION BOX, $\overline{}$ TRANSFORMER. . SRP TO INSPECT THE FOLLOWING: TRENCHING, CONDUIT INSTALLATION, MANDREL (IF REQUIRED), EQUIPMENT PAD(S), COMPACTION AND SERVICE ENTRANCE SECTION. METERING PER EUSERC, SRP SPECIFICATIONS AND MUNICIPAL CODES. SUBMIT ONE ELECTRONIC COPY OF SHOP DRAWINGS FOR ALL PROPOSED 400AMP OR LARGER SERVICE ENTRANCE SECTION, DOUBLE RESIDENTIAL METER PEDESTALS, AND COMMERCIAL SAFETY E-3-UA40K SOCKET PEDESTALS TO COMMERCIAL NEW BUSINESS FOR APPROVAL PRIOR TO PURCHASE AND/OR MANUFACTURING. SUCH DRAWINGS SHALL INDICATE THE PROJECT AND CUSTOMER NAME, SRP JOB NUMBER, JOB ADDRESS, CONTRACTORS NAME AND PHONE NUMBERS. SUBMIT TO: SHOPDRAW@SRPNET.COM FOR THAT PORTION OF THE FACILITY LOCATED WITHIN PUBLIC UTILITY EASEMENTS, THIS SUBMITTAL IS MADE FOR NOTIFICATION PURPOSES ONLY. E-3-UA750K GRAPHIC SYMBOLS C-3-UA40K 422' (SHADED SYMBOL INDICATES EXISTING FACILITY) E-ELECTRIC C-COMMUNICATION W-WATER G-GAS SD-STORM S-SEWER 600A GOS E-PD-0201 C-P-0316 E "E" WITHOUT CIRCLE INDICATES EXISTING TRENCH 600A GOS 4 1500-— E "E" WITH CIRCLE INDICATES PROPOSED TRENCH E-3-UA750K 277/480V MFG: TYPICAL SRP ABBREVIATIONS — UNDERGROUND STREETLIGHT CONDUCTOR C = CONSTRUCT— - — - — UNDERGROUND SERVICE CONDUCTOR R = REMOVE T = TRANSFER — — — — UNDERGROUND SECONDARY CONDUCTOR E-3-UA750K C-3-UA40K A = ABANDON F/SW = FRONT OF SIDEWALK PROPOSED UNDERGROUND TRENCH/BORE B/SW = BACK OF SIDEWALK ■ EXISTING UNDERGROUND TRENCH/BORE F/C = FRONT OF CURB B/C = BACK OF CURB INDICATES ABANDONMENT E/P = EDGE OF PAVEMENT L/G = LIP OF GUTTER C-3-UA40K SERVICE ENTRANCE SECTION (S.E.S.) R/W = RIGHT OF WAY PROPOSED MANHOLE $\left(\overline{\Delta}\right)$ PROPOSED SINGLE-PHASE TRANSFORMER PB PROPOSED PULL BOX $(\overline{\Delta}^3)$ PROPOSED THREE-PHASE TRANSFORMER PROPOSED SPLICE POINT F PROPOSED FUSING ENCLOSURE → PROPOSED STREET LIGHT PROPOSED SWITCHING ENCLOSURE → PROPOSED PRIVATE LIGHT (STAKED BY CUSTOMER) P PROPOSED 1 PHASE PULLING ENCLOSURE PROPOSED POLE AND RISER P3 PROPOSED 3 PHASE / FEEDER PULLING ENCLOSURE // DOUBLE SLASH LINES INDICATE REMOVAL E-3-UA750K EM ELECTRONIC MARKER (T3) PROPOSED 4/0 PRIMARY TAP ENCLOSURE PROPOSED CAPACITOR BANK A—A MATCH POINTS FOR MULTIPLE SHEETS OF DRAWING FOR MOST PRIMARY DEVICES OTHER THAN TRANSFORMERS, NO BAR ABOVE THE LETTER INDICATES AN EXIST.FACILITY / K/ CONDUIT PROPOSED FLUSH-MOUNTED J-BOX) NO BAR IN PAD INDICATES FACILITY IS EXISTING PROPOSED ABOVE-GROUND J-BOX () BAR INDICATES FRONT OF DEVICE O PROPOSED WOOD POLE A SHADED BAR INDICATES FACILITY IS EXISTING |##| WORK POINT BOX P.O.D. POINT OF DELIVERY FIELD INSTALLATION STAMP VICINITY MAP 6 E-PD-0312 600A GOS W SOUTHERN AVE SURVEY AND PERMIT INFORMATION SRP SURVEY TO STAKE FOR LOCATION AND TIE FOR EASEMENTS. CUSTOMER CONTROL POINTS REQUIRED: XYES NO CUSTOMER'S SURVEY TO STAKE FOR LOCATION/CONSTRUCTION AND TIE FOR EASEMENTS. CUSTOMER'S SURVEYOR MUST ATTEND PRE-CON MEETING. SRP SURVEY TO STAKE FOR LOCATION, NO EASEMENT REQUIRED. 3RD PARTY EASEMENT REQUIRED. NO SURVEY REQUIRED. PERMIT REQUIRED: CITY OF AVONDALE COUNTY__ PERMIT NO. _ NO PERMIT REQ. CONTACTS AJJONES 09/22/22 | JOB CREATED **DESIGN CONSULTANT:** REV REVISED BY DATE REVISION DESCRIPTION JUDY SHREVE REDLINE REVIEW FOR PLANNING PURPOSES ONLY NATURAL GAS YES NO X OFFICE:(602)236-5831 THIS JOB ORDER WORKS MOBILE:(602)390-2676 JOB NAME ALAMAR ELEM SCHOOL NUMBER 10 WITH OTHER JOBS. **CUSTOMER REVIEW** ADDRESS/LOCATION 12050 W BROADWAY RD PROJECT LEADER: CONTACT SAMUEL GARCIA WES SHREVE PHONE <u>623-570-7999</u> SIGNATURE: _____ DATE: ___ **EASEMENTS** CONDUIT AND MULE TAPE SPECS MOBILE:(602)316-3773 BILLING ACCT NO. U.G.# NOTE: THIS JOB MAY INVOLVE ACQUIRING EASEMENTS FROM MORE THAN ONE PROPERTY OWNER. SRP ADVISES NO TRENCHING BE DONE UNTIL ALL SRP EASEMENTS HAVE BEEN SECURED. SHOULD THE CUSTOMER TRENCH PRIOR TO SRP EASEMENTS BEING SECURED, IT IS AT THE CUSTOMER'S OWN RISK AND SRP DOES NOT ASSUME ANY COST OR LIABILITY INVOLVED. MAP 1/4 NW S 25 T 1N R 1W INSPECTIONS: 1. CONDUIT WILL BE PVC DB120 RATED 90°C CABLE MEETING THE REQUIREMENTS OF ASTM F512 U.G.# 40/ACRE **AZ-25-03** coords 0 5/8W - 1 15/16N OFFICE:(602)236-0676 U.G.# CHANGES REQUESTED: AMP WO T3428490 AMP VERSION 2. CUSTOMER SHALL PROVIDE & INSTALL 2500 LB TENSILE STRENGTH 5/8" PRE-LUBRICATED MULE TAPE FOR ALL SERVICE CONDUITS U G # CONSTRUCTION CONSULTANT: SIGNATURE: _____ DATE: _____ COST CENTER 22640 TONY CROCKETT U.G.# SHEET NUMBER 1 OF 6 COST OR LIABILITY INVOLVED.

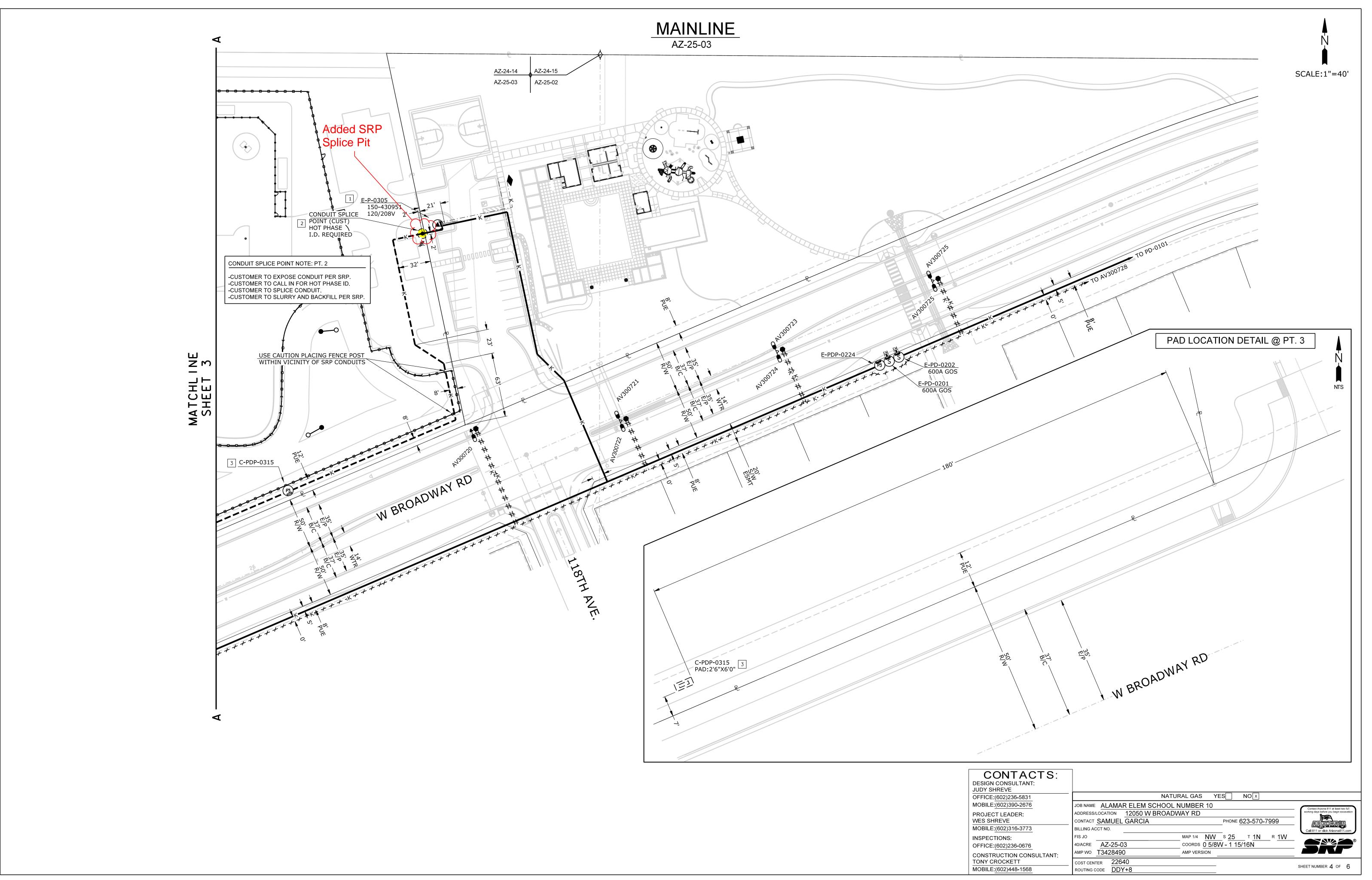
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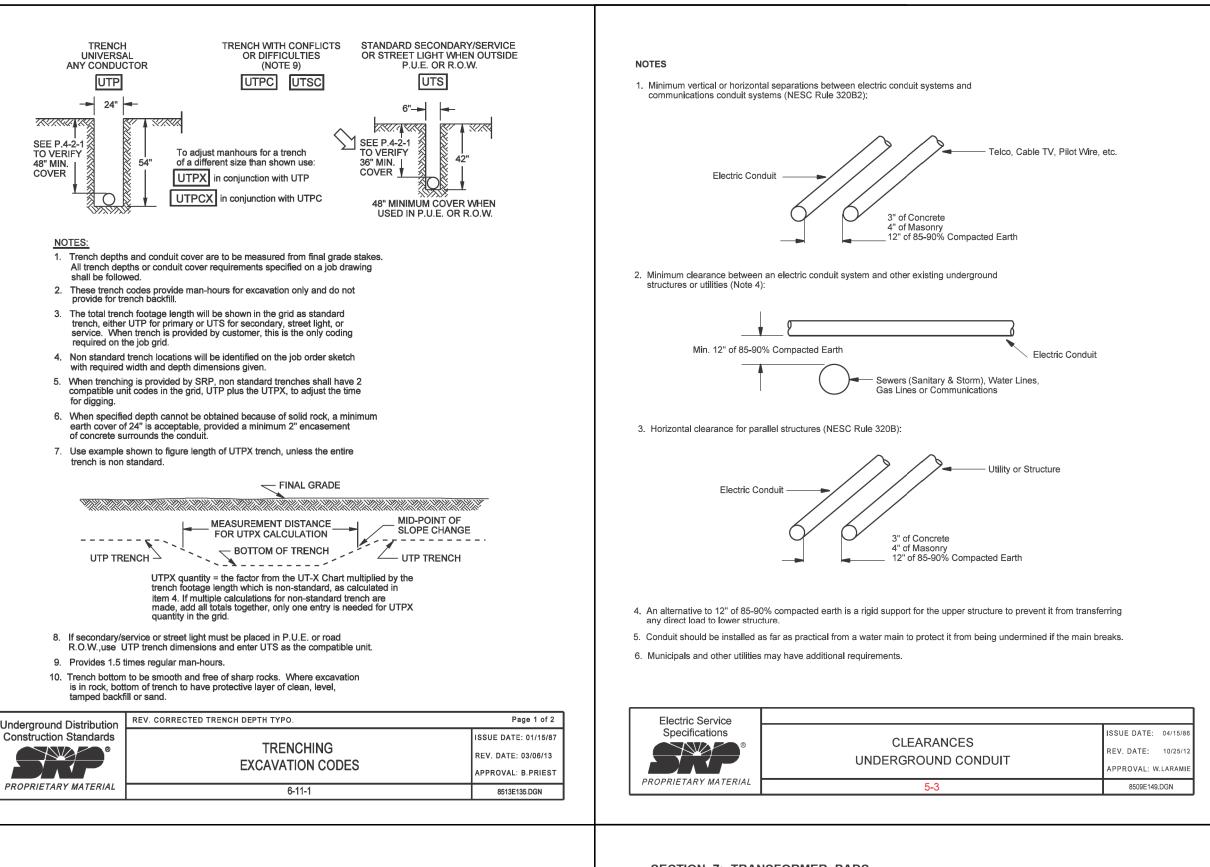
MOBILE:(602)448-1568

U.G.#









-- 5034299

USED IN EXISTING

SSUE DATE: 10/1

EV. DATE: 4/22

5034298

------ 39.375" ------

DETAIL "A" FOR 6-2 1/2" CONDUIT

1. INSTALL GROUND CONNECTORS INTO ENCLOSURE GROUNDING NUTS. TRAIN 2/0 ALONG

2. INSTALL GROUND ROD SO IT DOES NOT INTERFERE WITH CONDUITS. CONNECT #4 CU

3. TRAIN CONCENTRIC NEUTRAL WIRES DOWN ALONG CABLES AND CONNECT TO 2/0 CU BUS USING COMPRESSION

4. DETAIL "B" SHOWS DIMENSIONS FOR INSTALLATION WITH 2 - 4" CONDUITS USED IN EXISTING 4" CONDUIT SYSTEMS.

6. TOP OF PAD SHALL BE 4" MINIMUM ABOVE SURROUNDING FINISH GRADE AND AT SUFFICIENT ELEVATION TO PREVENT FLOODING.

SWITCHING AND FUSING

3

◆ PRIMARY PULLING ENCLOSURE

FOR #2 AND 4/0 CONDUCTOR

CONNECTORS. CONNECT GROUND LEADS FROM INSULATED BUSHING CAPS TO 2/0 CU USING SPLIT BOLTS.

FRONT BASE OF ENCLOSURE AND CONNECT TO GROUND CONNECTORS

LEAD FROM GROUND ROD TO GROUND CONNECTOR.

5. CONDUIT STUB-UP TEMPLATE IS SRP STOCK #5031847.

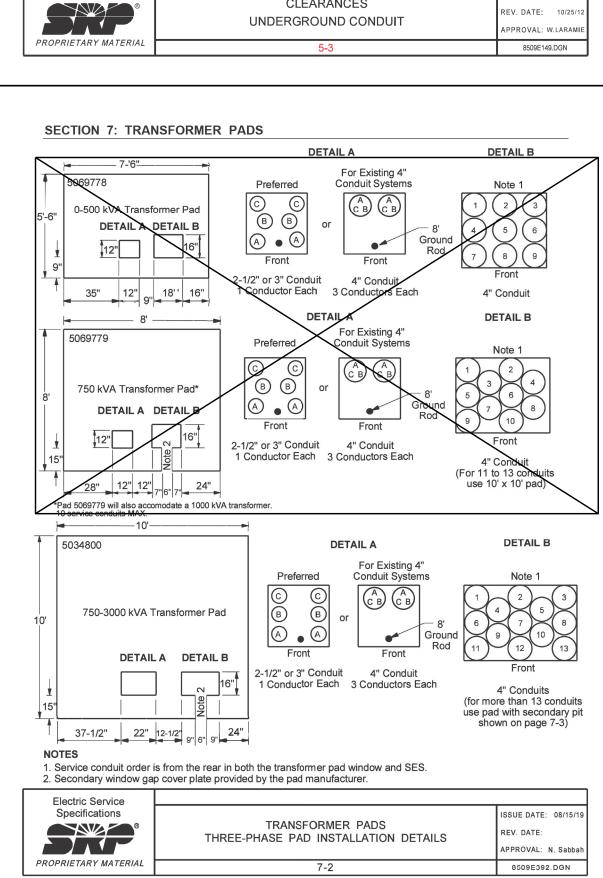
7. GROUND FEED THRU BUSHING TO 2/0 CU GROUND BUS.

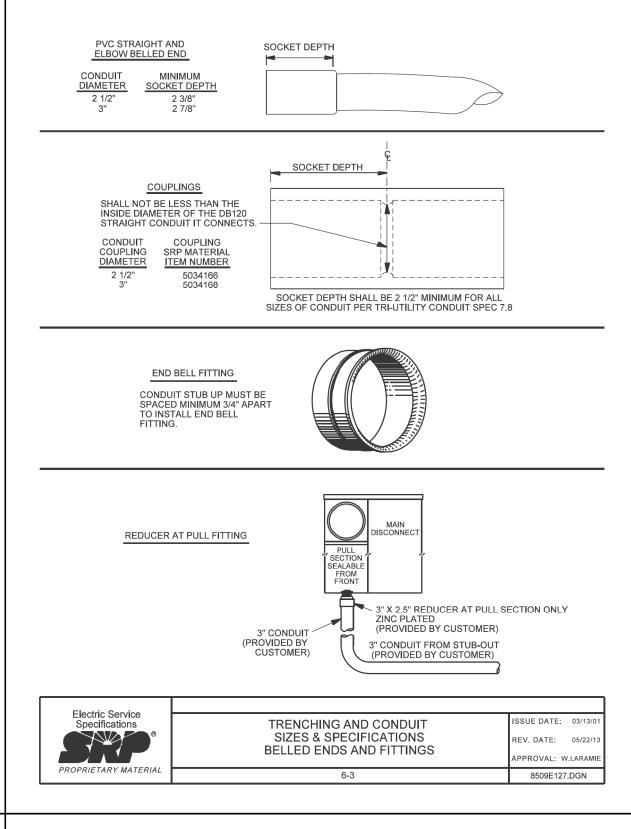
Inderground Distribution

Construction Standards

PROPRIETARY MATERIA

DEVICE DIMENSIONS





1. Three-phase transformer pads shall be pre-cast construction. Size is shown on the SRP design. Customer shall provide and install pad, secondary window cover plate (if required), ground rod, and all necessary conduit and backfill material. See Contractor-Supplied Material

2. Pad shall be located to allow access and oriented to provide a minimum of 12' of clear

working space at front of unit. Maintain minimum clearance of 3' at sides and 18" at back of

tape) shall be installed in all conduits. A flat pull tape shall be tied to conduit plugs in the low

voltage (secondary) opening/window. End bell fittings shall not be installed on any conduit

SES. Straight runs of racked and encased service conduits of 50 feet and greater may be

5. In the "low voltage" (secondary) opening with more than 13 conduits, a pull box is required

6. A 5/8" x 8' copper clad ground rod shall be installed in the "high voltage" opening of the transformer pad. The top of the ground rod shall be 2" above top of transformer pad.

7. For service conduits not requiring racking and encasement, backfill under pad shall be ½

8. Top of pad shall be 4" minimum above surrounding grade and at sufficient elevation to

item number 5075315 matching the conduit encasement backfill.

SRP inspectors shall approve the subgrade before the pad is placed.

sack CLSM (controlled low strength material), SRP material item number 5075313 consisting

cement (1/2 sack Portland cement per cubic yard) in accordance with MAG section 728. For service conduits requiring racking and encasement, backfill shall be 1-1/2 sack CLSM, SRP

of washed gravel (#57 aggregate per ASTM C33) and sand slurry stabilized with Portland

under the pad secondary window. See page 7-4, Secondary Pull-Box Placement for 3Ø

3. Conduits shall stub up 2" above final top surface of pad. Temporary conduit plugs (no duct

stub-ups at the transformer. Size and number of conduits are shown on the SRP design. 4. Service conduit stubbed up in the rear off the pull box/window shall stub up in rear of the SES pad. Each consecutive row shall match the conduit stub up location in the transformer and

Contact Distribution Design for transformer vault installations.

SECTION 7: TRANSFORMER PADS

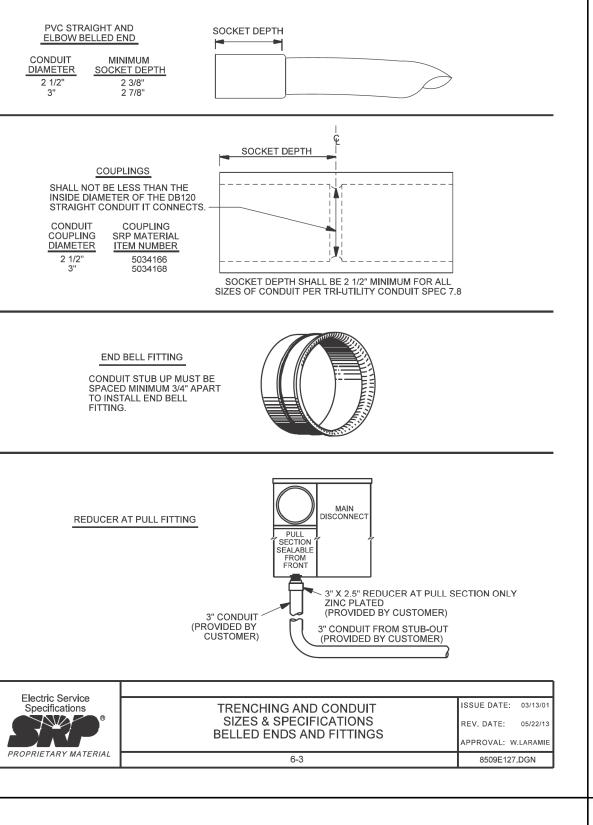
section for approved suppliers.

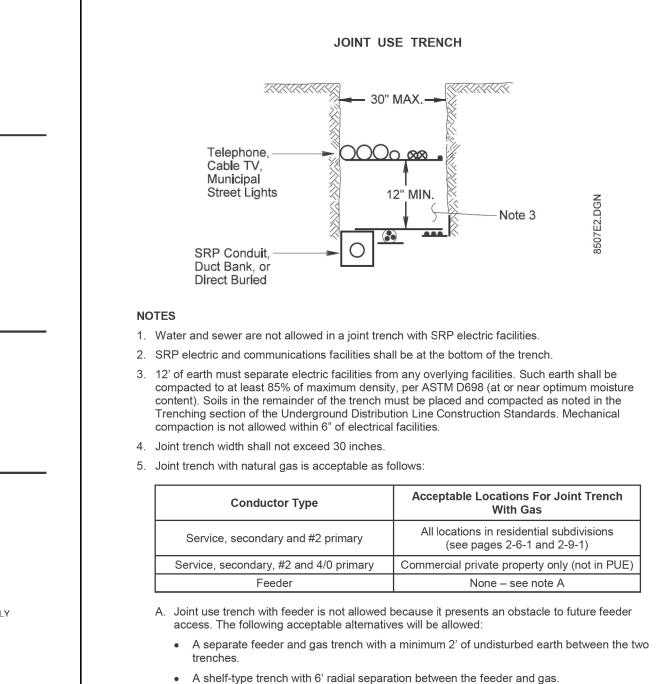
pad (see page 5-12, items 5-10).

Transformer, 750 – 3,000 kVA.

Electric Service

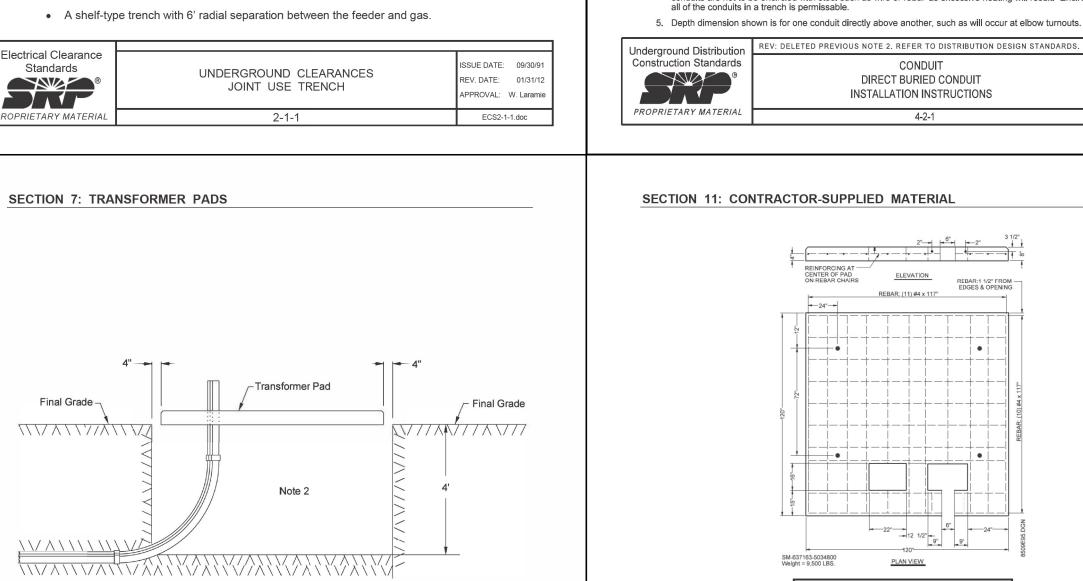
Specifications





-Note 3

With Gas



SECTION 4: CONDUIT

(7) - 2 1/2"

(5) - 3"

be contained within 30 inches of width

INSTALLATION OF DIRECT BURIED CONDUITS

(6) - 3" & (3) - 2 1/2"

Conduit shall be installed in a straight and orderly fashion and shall not be stacked more than 2 layers high.
The top layer shall contain less conduit than the bottom layer.

3. The larger sized conduits should be arranged on the bottom of the trench whenever possible.

2. Conduit shall not occupy more than 30 inches of horizontal width. For trenches wider than 30 inches, the conduit shall

4. All of the conduits shall be secured from "Floating" due to type of backfill material or installation methods. Individual

conduits are not to be encircled with steel such as wire or rebar as excessive heating will result. Encirclement around

MAXIMUM CONDUIT EXAMPLES

(12) - 2 1/2"

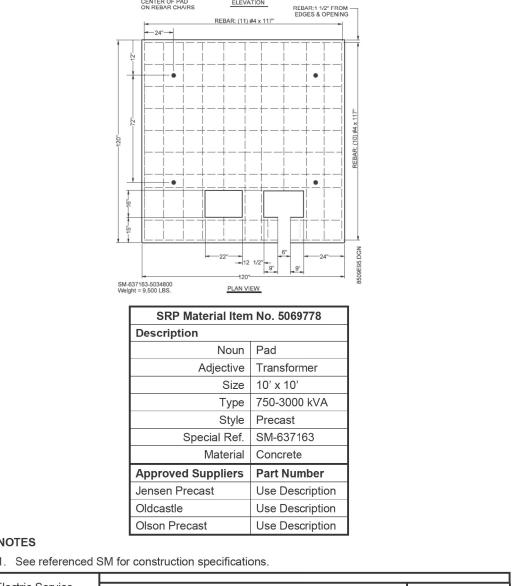
(6) - 3" & (6) - 2 1/2"

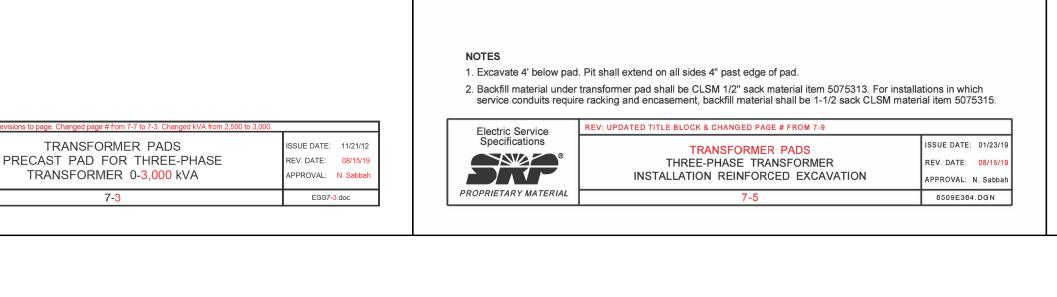
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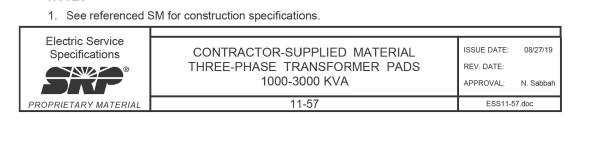
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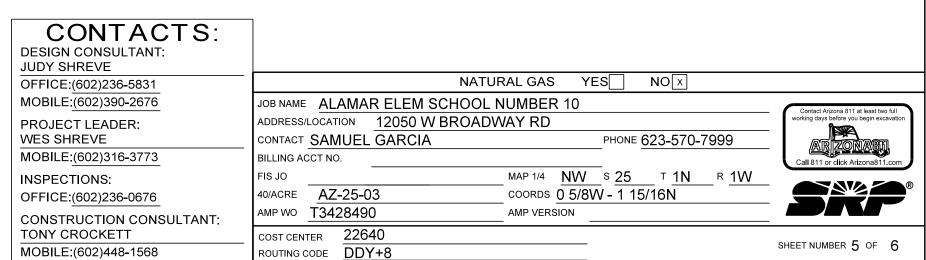
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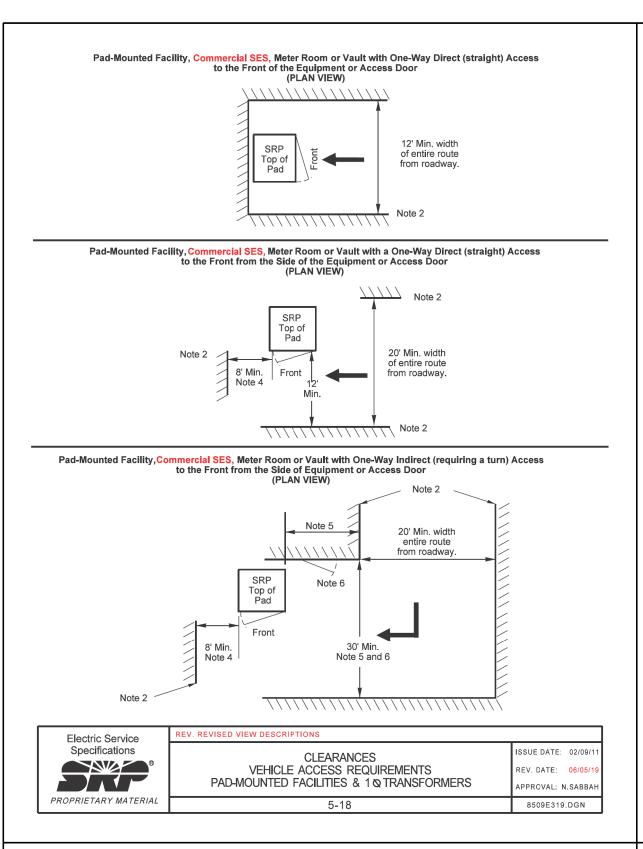
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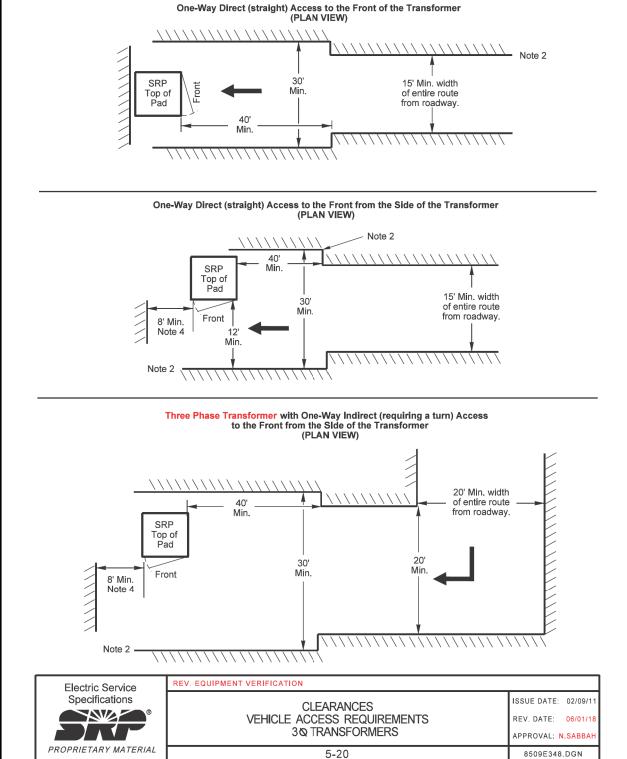


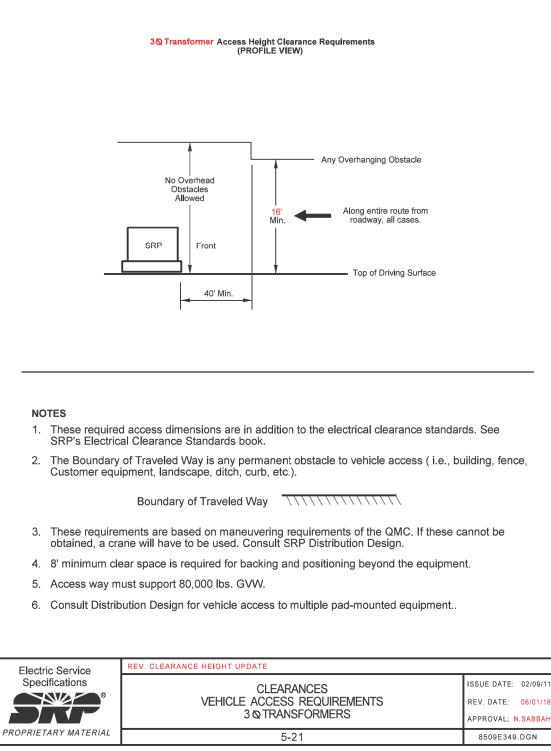


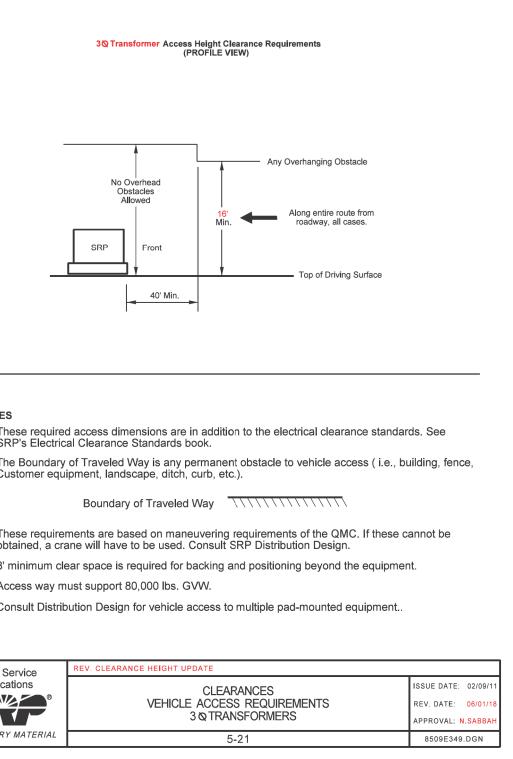


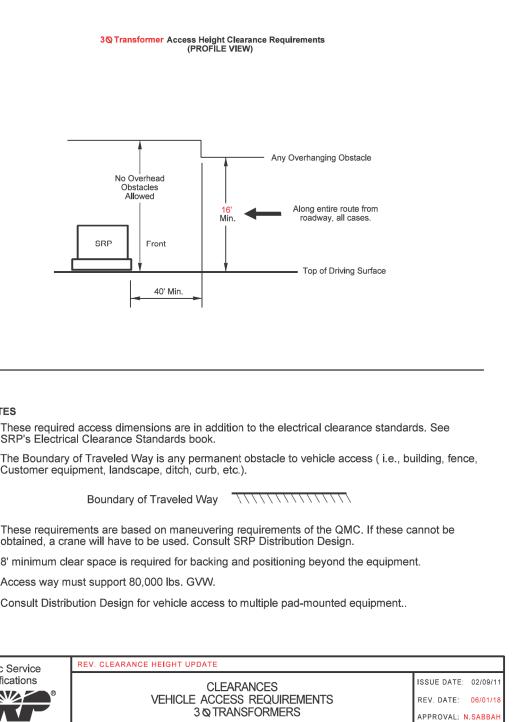


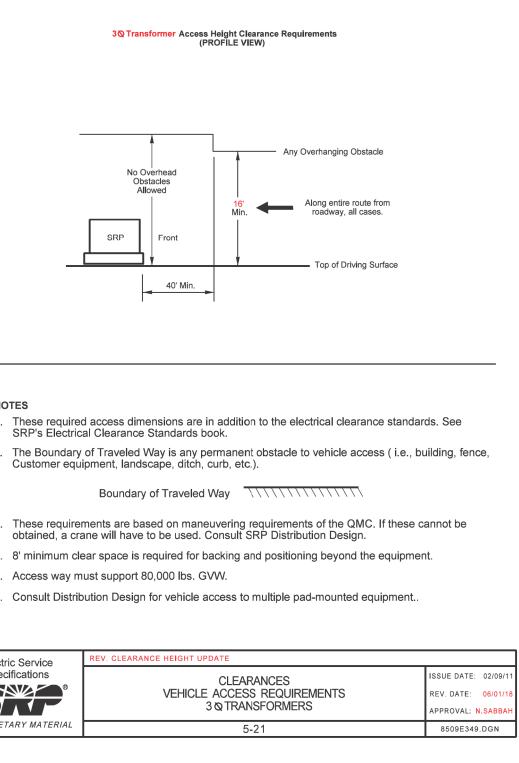


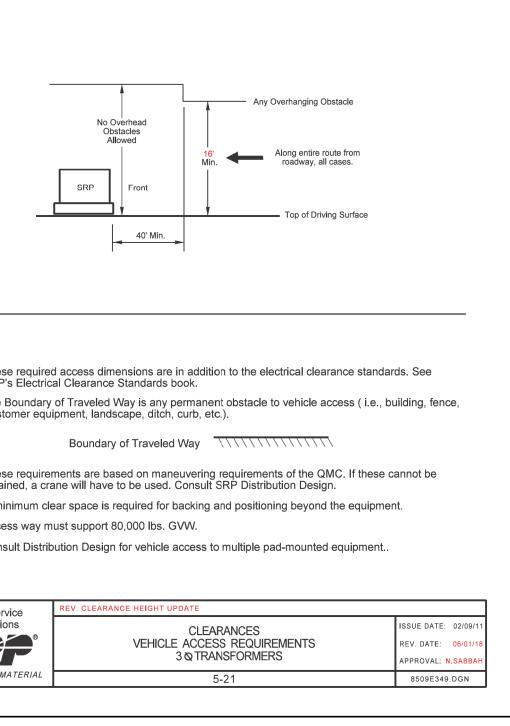


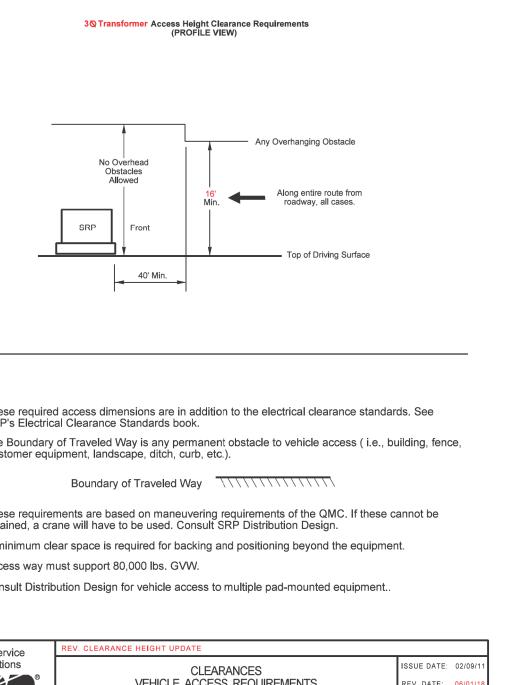


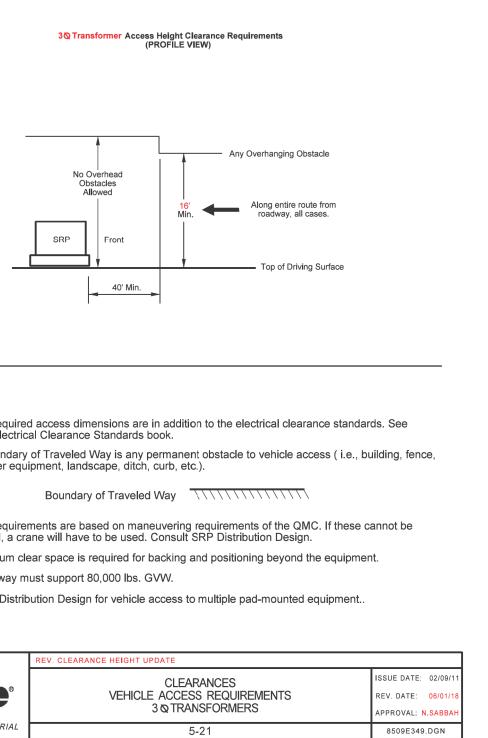


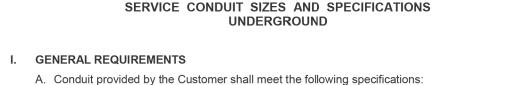












1. Straight Lengths: PVC, DB-120, 400,000 psi minimum modulus (500,000 not acceptable), rated for 90°C cable, meeting the requirements of ASTM F512, latest edition or EPC-40-

2. Elbows and Fittings: EPC-40-PVC (schedule 40), three-foot radius, rated for 90°C cable,

PVC (schedule 40), meeting the requirements of NEMA TC-2, latest edition.

B. Size, number of conduits, and encasement requirements are shown on the SRP design.

D. Customer shall be responsible for repairing new and existing conduit damaged prior to SRP

E. The portion of conduit installed through an exterior building wall, floor, or roof shall have

F. The table below outlines the service conduit requirements from a transformer or j-box to the

Service Conduit Number and Size Requirements SRP-Owned Conductor

1-2.5" *

1-4" **

2-4" ***

2-4"

* 2" conduit may be used if existing.

** 2.5" or 3" conduit may be used for wall mounted residential single meter installations, as specified by SRP.

*** 2-3" conduit may be used for residential single meter installations.

installing cable. Conduits will be accepted following installation of cable. Do not use metal

external seals on the outside surface of the conduit at the point of entry to the building intended

1Ø, 3 Wire | 3Ø, 4 Wire | 2400/4160 | 7200/12470

1-4"

2-4"

3-4"

4-4"

5-4"

7-4"

10-4"

13-4"

19-4"

25-4"

30-4"

TRENCHING AND CONDUIT

SERVICE CONDUIT SIZES AND

SPECIFICATIONS

UNDERGROUND

3-3"

3-3"

C. Maximum change in direction without elbow shall not exceed 5 degrees in 20 feet.

meeting the requirements of NEMA TC-2, latest edition.

to limit the likelihood of the entrance of gas into the building.

materials to tie or rack conduits

Service Entrance

Ampacity

225 or less

320/400

600

1.000

1,200

1.600

2,000

2,500

3,000

3,600

4.000 (120/208 V Only)

Electric Service

Specifications

PROPRIETARY MATERIAL

Customer's SES.

ISSUE DATE: 09/30/90

APPROVAL: N Sabbah

REV. DATE: 07/06/1

- trench when the total number of service conduits does not exceed 13.
- 2. The service trenches from multiple three-phase transformers shall be separated by at least 6' of undisturbed earth.
- 3. Except at the transformer, three-phase service conduits shall be separated from primary conduits by at least 6' of undisturbed earth. Contact Distribution Design when appropriate trench

SERVICE CONDUIT SIZES AND SPECIFICATIONS

UNDERGROUND

1. A single, three-phase transformer may serve up to four separate commercial SES in the same

- separation is unobtainable. 4. Service risers shall be rigid or intermediate metal, or approved fiberglass, installed per service
- riser requirements on page 3-1. 5. Exposed accessible conduits entering an SES shall be rigid or intermediate metal or approved fiberglass. The transition to buried PVC shall occur at 12" to 36" upon entering earth. Customer
- shall be responsible for bonding and maintaining all metal conduit. 6. All requirements on page 3-1 apply.

NOTES

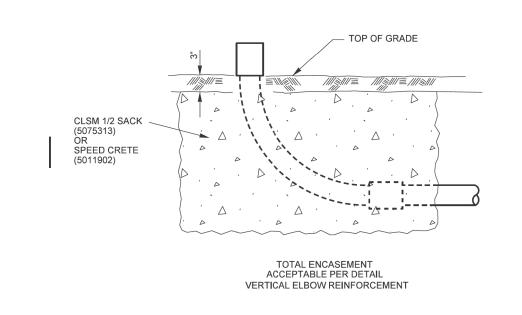
- 7. The number of conduits in above table is based upon 100% of the SES ampacity, assuming
- 80% load factor. If load factor is greater, contact Distribution Design. 8. Trenches containing 13 or more service conduits shall be racked with spacers and encased as
- A. Encased in 2" of controlled low strength material (1 ½ sacks cement per cubic yard). See page 6-18 and 6-19 for backfilling requirements
- B. Conduits shall be distributed over 5 vertical columns. Horizontal and vertical spacing between conduits shall be 2". Place spacers at 6' intervals. See Contractor-Supplied Material for available spacers or contractor may provide their own that meet distribution and spacing requirements.
- 9. Install end bell fittings as per this page at conduit stub ups at SES. Install temporary conduit plugs (no duct tape) tied to a flat pull tape at all stub-up locations.



222 S. ANY STREET

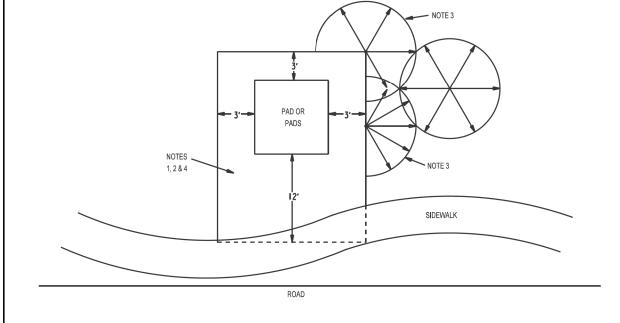
SECTION 11: CONTRACTOR-SUPPLIED MATERIAL

Meter Cover Panel



- 1. FOR ELBOWS WHICH WILL HAVE SIDEWALL PRESSURE GREATER THAN 300 Lbs/Ft OR FOR OTHER SITUATIONS AS REQUIRED.
- 2. DOES NOT APPLY TO CABLE PREASSEMBLED IN CONDUIT (C-I-C) OR TO CONTINUOUS SPOOLED DUCT. 3. BACKFILL AROUND ELBOWS WITH CLSM 1/2 SACK (5075313). SPEED CRETE (5011902) MAY ALSO BE USED.

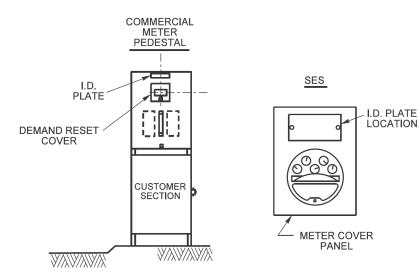
Underground Distribution Construction Standards PROPRIETARY MATERIAL	REV: ADDED NOTE "SPEED CRETE".		
	CONDUIT	ISSUE DATE: 03/13/87	
		REV. DATE: 06/29/17	
	ELBOW REINFORCEMENT DETAILS	APPROVAL:S.DURAN	
	4-6-1	8513E1.DGN	



- 1. Easement grantor shall maintain a clear area that extends 3' from and around all edges of all transformer pads and other equipment pads and a clear operational area that extends 12' immediately in front of all transformer and other equipment openings. Do not place obstructions, trees, shrubs, fixtures or permanent structures within aforementioned areas. Easement documents may supersede these requirements.
- 2. This same clear area shall be dry landscaped.
- 3. Direct sprinkler heads away from pad-mounted equipment, as shown above. Sprinkler heads shall not spray on pad-mounted equipment or dry landscaped area around equipment.
- 4. Dry landscape surface may be native soil, concrete, asphalt pavement or crushed granite or gravel with a
- maximum particle size no greater than 1". 5. A border curb is required if SRP installs the landscape.

Electric Service		
Specifications	CLEARANCES	ISSUE DATE: 03/02/01
®	DRY LANDSCAPE	REV. DATE: 10/25/12
	CONTROLLED AREA DETAIL	APPROVAL: W.LARAMIE
PROPRIETARY MATERIAL	5-10	8509E133.DGN

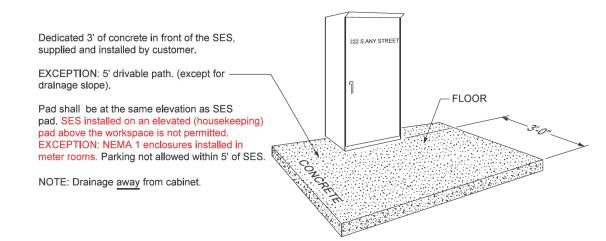
E. The identifying Labeling for SESs shall be metal riveted to the meter cover (see page 11-46, detail titled "Labeling SES, Meter Cover Panel"). If the main breakers are not installed directly adjacent to the meter, both the meter and the main breaker shall be identified with individual labels. SRP may require the Customer or their contractor to open the apartments or suites at the time the meters are set in order to verify that each meter socket serves the apartment or suite indicated by the marking labels.



F. In the case of multiple buildings, the building or unit number and street addres shall be identified on the pull section in the manner described below.

SERVICE ENTRANCE SECTION See Section 11, Labeling, Multiple Buildings

Electric Service		Page 2 d
Specifications	METERING & SES SERVICE ENTRANCE SECTION	ISSUE DATE: 04/15 REV. DATE: 11/02
	ADDRESSING & IDENTIFICATION	APPROVAL: W.LARAI
PROPRIETARY MATERIAL	9-11	8509E125.DGN



Switchboard Service Section Defined

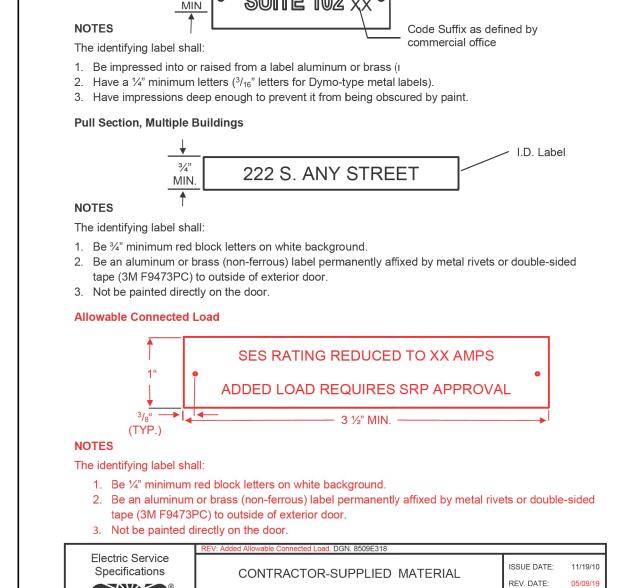
- 1. A standard switchboard service section is a free-standing unit of switchgear that contains bussing for the termination of service entrance conductors, bussing for the connection and mounting o current transformers, panel for the installation of the test switch and meter socket, a service main
- disconnect switch or breaker, and in many cases, distribution feeder breakers or switches. 2. Switchboard service sections, approved for use in the area served by SRP, are to be built to the standards developed by the EUSERC, which are available to the Customer and contractor through electric wholesale distributors.
- 3. If service riser conductors are to be paralleled, they shall be paralleled in separate conduits. The only acceptable method is to install one of each phase conductor and neutral in each conduit (i.e., ABC of a 3-wire service or ABCN of a 4-wire service). If overhead service risers are to be paralleled, there shall be a maximum of two conductors per phase.
- 4. Overhead service entrance conductor requirements exceeding 800 amps or exceeding two 750 MCM conductors per phase shall be bus bar construction.
- 5. Submit electronic copies of the plans (PDF format preferred) for all proposed SES, 400 amps or larger, to shopdraw@srpnet.com for approval prior to construction of the service section. Drawings must be labeled with the Customer's name, job address, SRP job number or account number, and
- contractor's name and contact phone number.
- 6. All SES shall be braced for the total available fault current. 7. The above requirements apply to both overhead and underground SES.
- 8. Barriers shall be constructed from 16 gauge (min.) steel and secured so as not to be removable
- from either the Customer's section or exterior. 9. See page 9-43 for door locking requirements.

Switchboard Service Section Defined

1. Pages 9-40 thru 9-61 are EUSERC drawings illustrating the metering and pull section requirements.

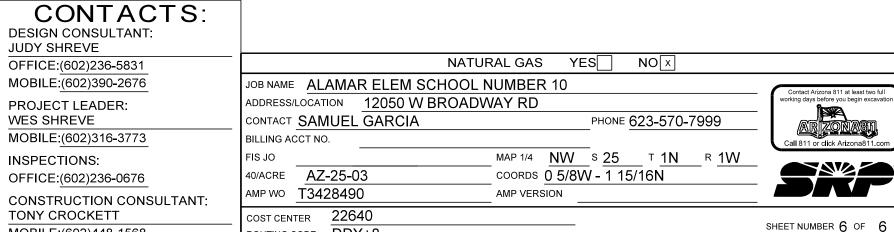
Electric Service	REV. ADDED NOTE			
Specifications	METERING & SES	ISSUE DATE: 04/15/88		
	SWITCHBOARDS	REV. DATE: 01/04/18		
	GENERAL INFORMATION	APPROVAL: N.SABBAH		
PROPRIETARY MATERIAL	9-42	8509E100.DGN		

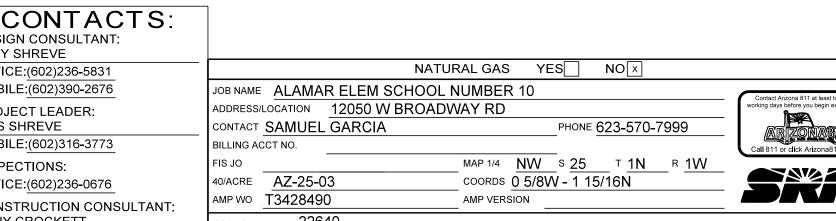
MOBILE:(602)448-1568



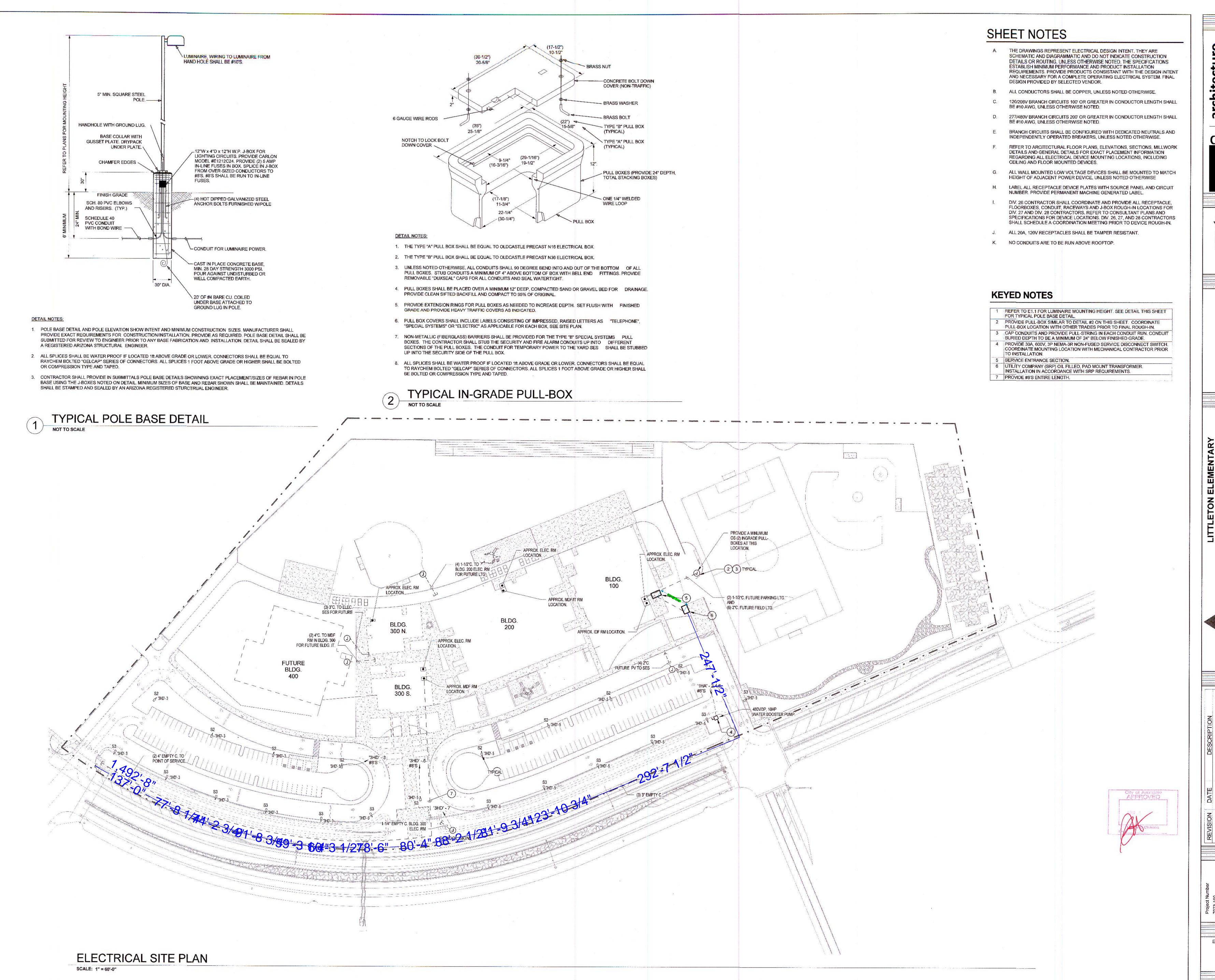
LABELING, SES

PROVAL: N. Sabba





ROUTING CODE DDY+8



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HALLEH A. LANDON



ELECTRICAL SITE PLAN

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