



FLEWELLING & MOODY
architects for education

Site Boring Work at Westpark Elementary School
SOUTHERN KERN UNIFIED SCHOOL DISTRICT
F&M Project No. 3045
Bid Clarification No. 1; Page 1 of 1

BID CLARIFICATION NO. 1
April 18, 2025

The following changes and/or clarifications shall be made to the drawings and specifications and all other conditions shall remain the same. All changes and/or clarifications provided shall be included in the scope of contracted work. Pursuant to PR13-01 all work that requires approval by the DSA shall not begin until said approvals are obtained.

A. DRAWINGS

1. Sheet E1.01, **Revise** 'Overall Electrical Site Plan', Bid Clarification No.1, with revision clouds as attached hereto.
2. Sheet E0.20, **Add** 'Boring Project – Fire Alarm Riser Diagram & Schedules', Bid Clarification No.1, with revision clouds as attached hereto.

B. PRE BID RFI RESPONSES

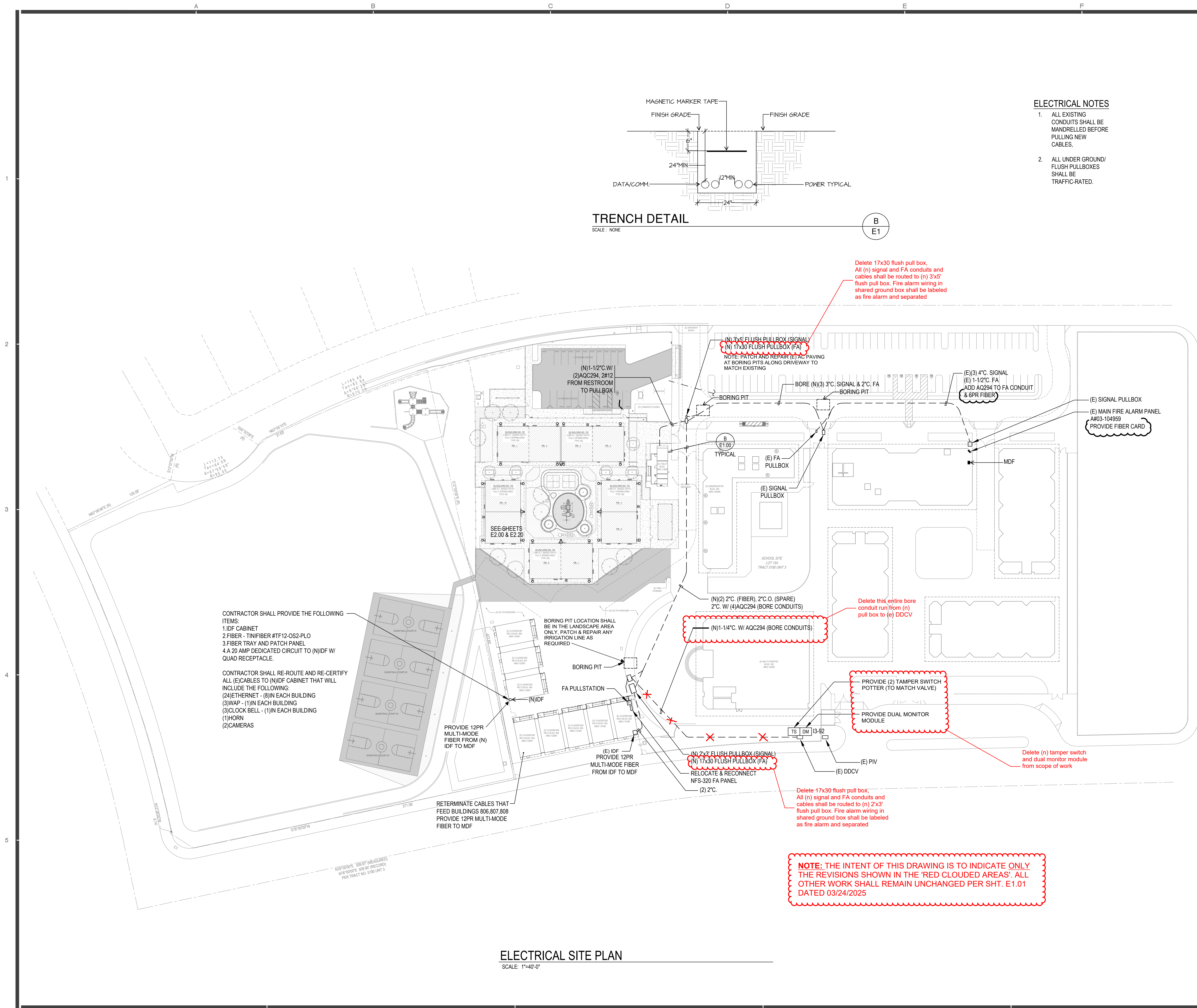
All responses to submitted RFI's shall be incorporated into the contract documents and shall apply to all bidders.

See responses to RFI Nos. 01 through 07 from Medallion Contracting, Inc. as attached hereto.

See responses to RFI Nos. 01 through 04 (RFI#1) from KGG Electric Inc. as attached hereto.

See responses to RFI Nos. 01 through 02 (RFI#2) from KGG Electric Inc. as attached hereto.

Flewellling & Moody, Inc.



ELECTRICAL NOTES

- 1. ALL EXISTING CONDUITS SHALL BE MANDRELLED BEFORE PULLING NEW CABLES.
- 2. ALL UNDER GROUND/ FLUSH PULLBOXES SHALL BE TRAFFIC-RATED.

TRENCH DETAIL

SCALE: NONE

B
E1

AGENCY

FLEWELLING & MOODY
architecture planning interiors

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An Employee Owned Corporation

ARCHITECT

JMPE
ELECTRICAL ENGINEERING
LICENSED IN THE STATE OF CALIFORNIA
C.A. REGISTRATION NO. E115063

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(805) 831-7884
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email: jacobson@jmpe.net
www.jmpe.net

24208

Drawn by _____

Checked by _____

Revisions

No.	Date	Description

All dimensions must be checked at the job by the contractor who accepts full responsibility for their accuracy under the contract. There shall be no responsibility in connection therewith have been prepared for a specific site. Any and all responsibility for their use in whole or in part or any other use is hereby disclaimed by Flewelling & Moody.

ADDITION OF PRE-K AND T-K CLASSROOMS AT
WESTPARK ELEMENTARY SCHOOL
3600 IMPERIAL AVENUE
ROSAMOND, CA 93580

SOUTHERN KERN UNIFIED SCHOOL DISTRICT

OVERALL
ELECTRICAL SITE PLAN

Job No. _____

3031

Date _____

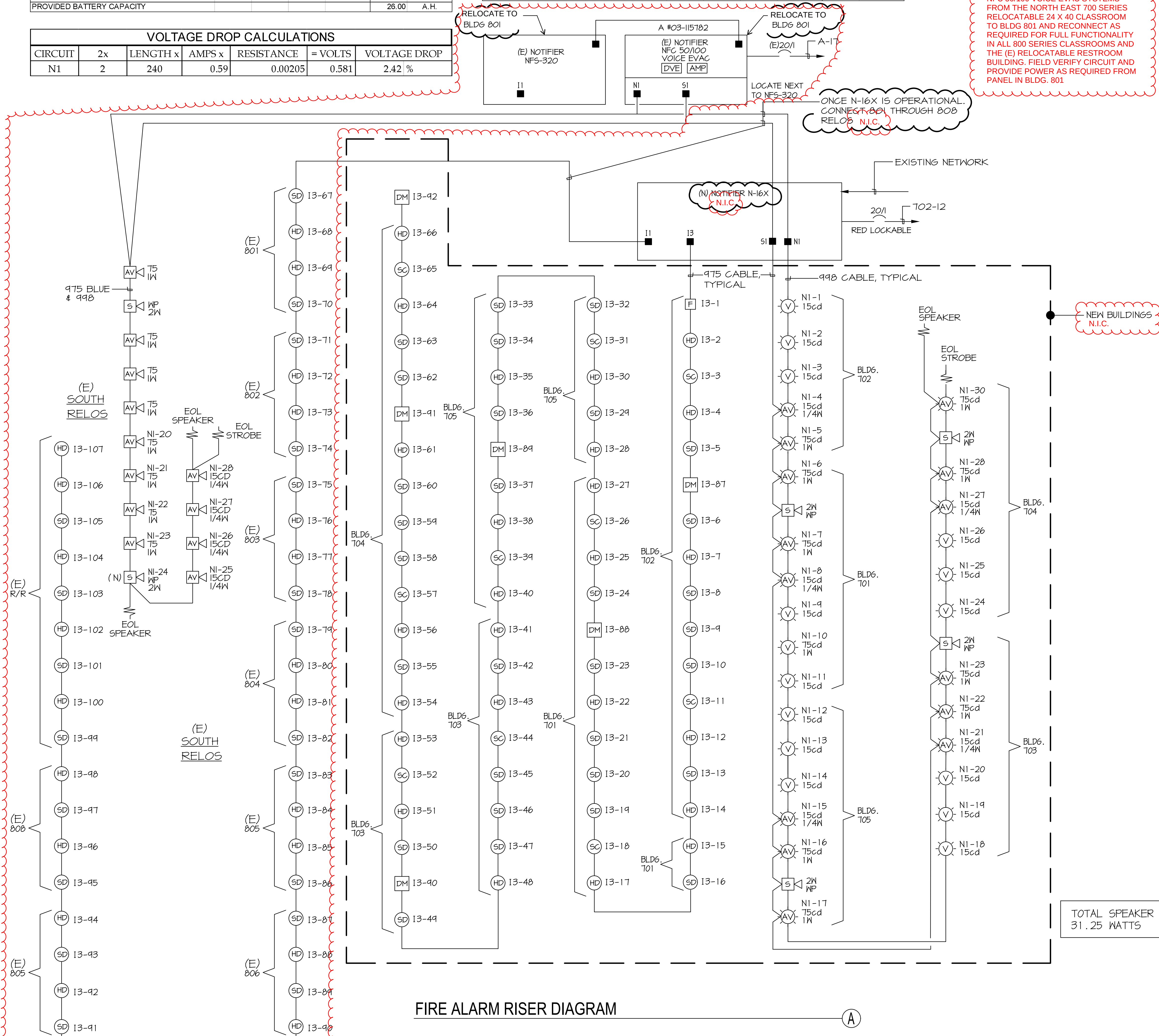
3/24/2025

E1.01

NEW FIRE ALARM BATTERY CALCULATION- FACP Notifier NFS-320						
EQUIPMENT DESCRIPTION	QUANTITY		SUPERVISORY CURRENT (AMPERES)		ALARM CURRENT (AMPERES)	
	EXISTING	NEW	EACH	SUB-TOTAL	EACH	SUB-TOTAL
FIRE ALARM PANEL	1	0	0.2	0.2	0.2	0.2
DIGITAL ALARM COMMUNICATOR	1	0	0.02	0.02	0.02	0.02
	0	0	0.35	0	1.9	0
	0	0	0.44	0	0.44	0
SMOKE DETECTOR	23	10	0.00039	0.01287	0.00039	0.01287
HEAT DETECTOR	23	10	0.00035	0.01155	0.00035	0.01155
Manual Pull	1	0	0.0003	0.0003	0.0003	0.0003
	0	0	0	0	0	0
AUDIBLE/VISUALS	75 cd	7	5	0	0.158	1.896
AUDIBLE/VISUALS	30 cd	0	0	0	0.094	0
AUDIBLE/VISUALS	15 cd	10	0	0	0.066	0.66
VISUAL	15cd	0	0	0	0.086	0
	0	0	0	0	0	0
	0	0	0	0	0	0
SUB TOTAL AMPERES			0.24472 AMPS		2.80072 AMPS	
			x 24 HOURS		x 0.25 HOURS	
SUB TOTAL AMPERE-HOURS			5.87328	A.H.	0.23526	A.H.
TOTAL REQUIRED AMPERE-HOURS FOR DISTRIBUTED POWER MODULE					6.10854	A.H.
BATTERY NON-LINEAR DISCHARGE CHARACTERISTIC FACTOR					x 1.2	
TOTAL MINIMUM AMPERE HOURS REQUIRED					7.330249	A.H.
PROVIDED BATTERY CAPACITY					26.00	A.H.

VOLTAGE DROP CALCULATIONS						
CIRCUIT	2x	LENGTH x	AMPS x	RESISTANCE	= VOLTS	VOLTAGE DROP
N1	2	240	0.59	0.00205	0.581	2.42 %

NEW VOICE PANEL BATTERY CALCULATION – NFC-50/100						
EQUIPMENT DESCRIPTION	QUANTITY		SUPERVISORY CURRENT (AMPERES)		ALARM CURRENT (AMPERES)	
	EXISTING	NEW	EACH	SUB-TOTAL	EACH	SUB-TOTAL
NFC-50/100	1	0	0.272	0.272	0.448	0.448
NFC-Audio Amp	1	0	0.1	0.1	0.235	0.235
					0	0
1/2 Watt Speaker	10	0	0	0	0.017	0.17
1 Watt Speaker	13	4	0	0	0.068	1.156
2 Watt Speaker	2	1	0	0	0.132	0.396
	0	0			0	0
VISUALS 75 cd	4	3		0	0.158	1.106
VISUALS 30 cd	0	0	0	0	0.094	0
VISUALS 15 cd	0	0	0	0	0.066	0
	0	0	0	0	0	0
					0	0
	0	0			0	0
SUB TOTAL AMPERES			0.372 AMPS		3.509 AMPS	
			x 24 HOURS		X 0.25 HOURS	
SUB TOTAL AMPERE-HOURS			8.928	A.H.	0.87725	A.H.
TOTAL REQUIRED AMPERE-HOURS FOR DISTRIBUTED POWER MODULE					9.80525	A.H.
BATTERY NON-LINEAR DISCHARGE CHARACTERISTIC FACTOR					x 1.2	
TOTAL MINIMUM AMPERE HOURS REQUIRED					11.7663	A.H.
PROVIDED BATTERY CAPACITY					18.00	A.H.





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Ph#661-949-3205 Fax#661-949-3235 Lic#567084

SKUSD- BORING SCOPE AT WESTPARK ELEMENTARY SCHOOL

Pre-Bid RFI's

1. E1.01 states "Relocate and Reconnect NFS-920 FA Panel". Where is the (E) NFS-320 FA panel currently located? **IN NORTHEAST MOST RELO.**

Answer:

2. E1.01 With the relocation of the (E) NFS-320 FA Panel from its (E) location to the south relo classrooms, will it be required to test the entire FA system or just the classrooms affected by the panel relocation?

Answer:

JUST AFFECTED CLASSROOMS

3. Regarding concrete hardscape removal for boring pits, will it be required to go joint to joint or is it acceptable to sawcut and remove only what is necessary for boring and required trenching?

Answer:

JOINT TO JOINT

4. Regarding (E) pathway between relo 805 & 806, is there enough room within the existing conduit, to install the required 12pair multi-mode fiber?

Answer: **YES**

5. Between grid lines 2 & 3 and grid lines C & D the FA pathway from the (E) restroom building is shown going into the signal box not the FA box.

Response: **See attached sheet E0.20, Bid Clarification no.1 dated 04/18/2025**

6. E1.01 Relo 803 & 806 call for new 12pr multi mode fiber to the (E) and new IDF cabinets in the respective rooms, yet the call out for fiber cable from the MDF shows only 1ea. ~~6~~ pair fiber.

Answer: **ALL NEW FIBER SHALL BE 12PR**

7. Provide Fire Alarm Riser Diagram for the 800 block classrooms and the existing restroom bldg (refer to BC #2 plan E0.02, battery calc as well as riser diagram)

Answer: **See attached sheet E0.20, Bid Clarification no.1 dated 04/18/2025**



EST. 1984

CALIFORNIA STATE CONTRACTORS

LICENSE NUMBER B, C10 – 459141

HOME OFFICE
POST OFFICE BOX 5687
LANCASTER, CALIFORNIA 93539
(661) 943-5616

Request for Information

Date: April 15th, 2025

Project: SKUSD-WES-PKTK-BG

PRE-BID RFI Number: KGG#1

From: Kenny Gardner

To: HPLE
Deepika Arora

Action Requested:

Clarification x Direction Approval

Information Needed: See Below

1) SHT. E1.01 To confirm the indicated 2'x3' & 3'x5' pull boxes will be traffic rated full concrete structure including bottom with ends and side conduit entries. The traffic rated metal covers will be bolt down type not a hinged & bolted cover. **YES**

2) SHT. E1.01 To confirm the indicated 17"x30" pull boxes will be traffic rated 12" top with a 12" extension section with open bottom. **ALL 17x30 PULL BOXES WILL BE DELETED, SEE BC#01, SHT E1.01**

3) SHT. E1.01 Per the discussion at the job walk the 1-1/4" conduit run with the AQC294 cable and boring from the Fire Alarm pull box near classroom 803 to the existing BackFlow and PIV at southern rear area of school are removed from scope of work because this item is already installed. **YES**

4) All tamper switches for BackFlow and PIV located at the southern rear area of school will be removed from scope of work. **YES**

John Maloney - 04/16/2025



EST. 1984

CALIFORNIA STATE CONTRACTORS

LICENSE NUMBER B, C10 – 459141

HOME OFFICE
POST OFFICE BOX 5687
LANCASTER, CALIFORNIA 93539
(661) 943-5616

Request for Information

Date: April 15th, 2025

Project: SKUSD-WES-PKTK-BG

PRE-BID RFI Number: KGG#2

From: Kenny Gardner

To: HPLE
Deepika Arora

Action Requested:

Clarification x Direction Approval

Information Needed: See Below

- 1) SHT. E1.01 Please confirm all 1-1/2", 2" & 3" underground conduit will be SCH 40. PVC.
- 2) SHT. E1.01 Please confirm all underground 90 degree elbows are Galvanized Rigid Steel Schedule 40 wrapped in 10 mill half lap vinyl tape.

CONFIRMED

CONFIRMED

A large, handwritten signature in green ink, followed by the date "4/16/25" also in green ink.