

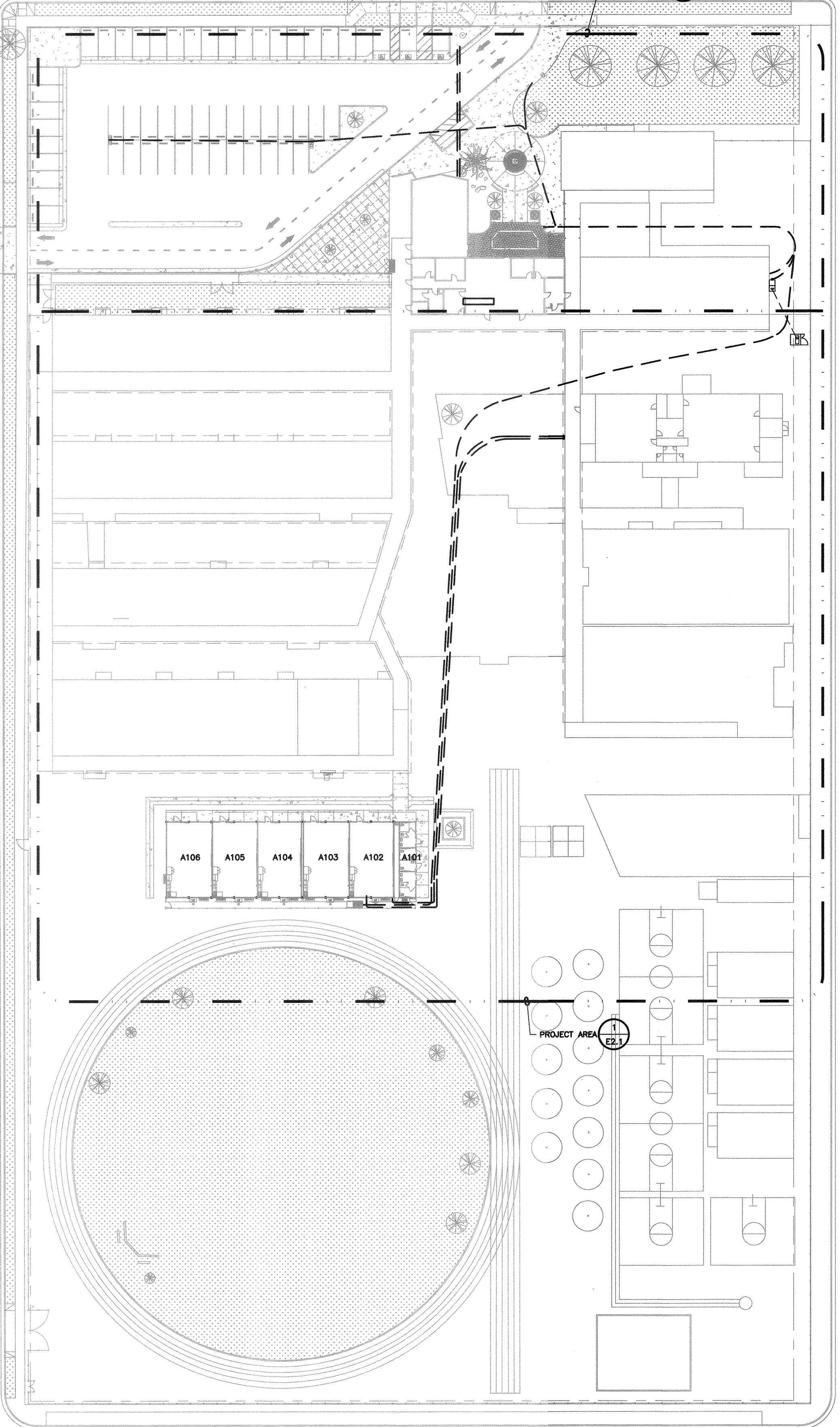
(X) PANEL

PANEL C		VOLTAGE 288Y/ 120V PHASE 3 WIRE 4	MAIN MAIN LUGS ONLY															
SOURCE		A.I.C. 10,000	ENCLOSURE NEMA 1															
PANEL LOCATION ADMIN. BLDG.		BUS AMPERE RATING: 225	MOUNTING FLUSH															
C K T	VA LOAD	LOAD DESCRIPTION	OUTLETS		BUS	CIRCUIT BREAKER		OUTLETS	LOAD DESCRIPTION	VA LOAD	C K T							
			MIS	REC		LTS	POL					TRP	A	B	C	TRP	POL	LTS
LINE A	LINE B	LINE C											LINE A	LINE B	LINE C			
1		EAST OFFICE, LIGHTS & BATH			1	20						2			LIGHTS S.W. OFFICE/BATH			2
3		MAIN OFFICE, LIGHTS S. EAST									20	1			STROBE S.W. OFFICE/BATH			4
5		MAIN OFFICE, LIGHTS NORTH									30	1			RECEPT OFFICE S. WEST			6
7		OLD CLOCK									20	1			MAIN OFFICE LIGHTS S.WEST			8
9		EXIT SIGNS LB													MAIN OFFICE LIGHTS S.WEST			10
11		RECEPT NORTH EAST													COPIER ROOM/HALL LIGHTS			12
13		RECEPT EAST													MAIN OFFICE LIGHTS NORTH			14
15		RECEPT N. WEST & LIBRARY													N.WEST OFFICE/HALL LIGHTS			16
17		RECEPT PLUGMOLD													LIBRARY LIGHTS			18
19		N.I.S. TO SWITCH IN WOMANS													LIBRARY LIGHTS			20
21		N.I.S. BATH SOUTH WEST													LIBRARY LIGHTS			22
23		MARQUEE SIGN													PARKING LOT LIGHTS			24
25		WORK ROOM WIRE MOLD													SPARE			26
27		WORK ROOM WIRE MOLD													SPARE			28
29		WOMENS RESTROOM													POWER FOR MDF RACK			30
31		WOMENS RESTROOM													POWER FOR MDF RACK			32
33		MENS RESTROOM													REST ROOM, CLOCK			34
35		MENS RESTROOM													SPACE			36
37		FIRE ALARM CONTROL PANEL																38
39																		40
41																		42
			SUBTOTALS															
NOTES:										LINE TOTALS			500					
										LCL ADDER								
										TOTAL VA/PH			500					
										LINE AMPS			41					

- EXISTING PANEL GENERAL NOTES:  
 1. UON, ALL LOAD DESCRIPTIONS ARE EXISTING.  
 2. UON, ALL CIRCUIT BREAKERS DESIGNATED IN PANEL SCHEDULE ARE EXISTING.
- PANEL SCHEDULE WORK LEGEND:  
 O PROVIDE RED-HANDLE CIRCUIT BREAKER WITH LOCK-ON DEVICE.

PANEL L		VOLTAGE 480Y/ 277V PHASE 3 WIRE 4	MAIN MAIN LUGS ONLY															
SOURCE MSB		A.I.C. 14,000	ENCLOSURE NEMA 3R															
PANEL LOCATION MSB		BUS AMPERE RATING: 225	MOUNTING SURFACE															
C K T	VA LOAD	LOAD DESCRIPTION	OUTLETS		BUS	CIRCUIT BREAKER		OUTLETS	LOAD DESCRIPTION	VA LOAD	C K T							
			MIS	REC		LTS	POL					TRP	A	B	C	TRP	POL	LTS
LINE A	LINE B	LINE C											LINE A	LINE B	LINE C			
1		SPACE										2			X PARKING/WALK LIGHTS			2
3												4			SPACE			4
5												6						6
7												8						8
9												10						10
11												12						12
13												14						14
15												16						16
17												18						18
19												20						20
21												22						22
23												24						24
25												26						26
27												28						28
29												30						30
31												32						32
33												34						34
35												36						36
37												38						38
39												40						40
41												42						42
			SUBTOTALS										515					
NOTES:										LINE TOTALS			515					
										LCL ADDER			128					
										TOTAL VA/PH			644					
										LINE AMPS			51					

NOTE:  
 IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CIVIL ENGINEERING DRAWINGS AND SITE AS-BUILTS (OBTAIN FROM OWNER) TO IDENTIFY THE LOCATION AND ROUTING OF ALL EXISTING UNDERGROUND UTILITIES, METERS, DRAINS, LANDSCAPING AND STRUCTURAL OBSTACLES PRIOR TO TRENCHING AND CONDUIT DUCT BANK ROUTING. THE CONTRACTOR SHALL CONDUCT AN UNDERGROUND SCAN OF THE CORRIDOR WHERE NEW TRENCHING SHALL OCCUR, AND TO COORDINATE THE ROUTING OF NEW TRENCHING IN AREAS OF EXISTING UNDERGROUND UTILITIES. TRENCHING FOR NEW UNDERGROUND CONDUITS IN AREAS WHERE EXISTING UNDERGROUND UTILITIES ARE PRESENT, WHETHER SHOWN ON THESE PLANS OR NOT, SHALL BE EXCAVATED BY HAND AND WITH EXTREME CAUTION SO AS NOT TO DISTURB EXISTING UTILITIES. CONTRACTOR SHALL PROMPTLY REPAIR DAMAGE TO OWNER'S SATISFACTION. UNDERGROUND POWER AND COMMUNICATION PULL BOXES WHERE SHOWN ON THE SITE PLAN TO BE RELOCATED TO A POSITION AS CLOSE AS POSSIBLE TO THE LOCATION SHOWN ON THE DRAWING. CONTRACTOR SHALL PROMPTLY NOTIFY OWNER IF ANY EXISTING UTILITY OR IRRIGATION LINE IS DAMAGED, AND SHALL PROMPTLY REPAIR DAMAGE TO OWNER'S SATISFACTION.



1 SITE ELECTRICAL PLAN  
 SCALE: 1"=40'-0"

**SHEET NOTES**

- CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 811 TO LOCATE UNDERGROUND UTILITIES AT LEAST 2 WORKING DAYS PRIOR TO DIGGING. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF EXISTING IMPROVEMENTS PRIOR TO START OF CONSTRUCTION.
- VERIFY LOCATION OF ALL BUILDINGS AND APPURTENANCES ON ARCHITECTURAL AND CIVIL PLANS.
- FIELD VERIFY LOCATION ON ALL UNDERGROUND UTILITIES PRIOR TO TRENCHING, SCHEDULE AND COORDINATE ALL SITE WORK WITH OWNER PRIOR TO ANY TRENCHING.
- CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES/EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN, AND FINISH.
- CONTRACTOR SHALL, IN ROUTING ALL CIRCUITS, INCREASE CONDUIT & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWINGS. ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
- ALL 90 DEGREE CONDUIT BENDS AND RISERS SHALL BE PVC COATED RIGID STEEL.
- CONTRACTOR SHALL COORDINATE AND PROVIDE ALL SITE ELECTRICAL SERVICE REQUIREMENTS WITH SERVING UTILITY.
- ALL SERVICE ENTRANCE EQUIPMENT SHOP DRAWINGS SHALL BE SUBMITTED TO THE LOCAL UTILITY COMPANY FOR APPROVAL, WITH WRITTEN APPROVAL RECEIVED PRIOR TO SUBMISSION TO ELECTRICAL ENGINEER FOR APPROVAL.
- VERIFY LOCATION OF ALL EQUIPMENT ON ARCHITECTURAL AND CIVIL PLANS.
- MINIMUM CONDUIT BURIAL DEPTH IS 24", 36" MINIMUM BELOW STREETS AND PARKING LOTS. FOR 0-600 VOLT SYSTEMS.
- PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
- 1" CONDUIT MINIMUM UNDERGROUND.
- COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED, WHETHER SHOWN ON THE ELECTRICAL DRAWINGS OR NOT.
- CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE, AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
- FIELD CONDITIONS GOVERN DEMOLITION AND NEW CONSTRUCTION. CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF POSSIBLE FIELD PROBLEMS PRIOR TO DEMOLITION. CONTRACTOR SHALL NOTIFY DISTRICT REPRESENTATIVE OF WORK BEING PERFORMED. COORDINATE WITH DISTRICT REPRESENTATIVE.
- ALL EMPTY CONDUITS SHALL BE PROVIDED WITH DIMENSIONED NYLON PULL STRING.
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION OR TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING/REMAINING UTILITIES IN PLACE. CONTRACTOR, AT HIS SOLE EXPENSE, SHALL REPAIR ANY UTILITY SYSTEMS DAMAGED DURING CONSTRUCTION.

PRIME CONSULTANT

**IBI** ARCHITECTURE PLANNING

San Luis Obispo  
 4119 Broad Street, Suite 210  
 San Luis Obispo, CA 93401  
 805.546.0433 fax: 805.546.0504  
 ibigroup.com

SEAL

COPYRIGHT: Any reproduction or distribution for any purpose other than authorized by IBI Group is forbidden.

COPYRIGHT 2017 IBI GROUP

REVISIONS

NO.	DATE	APPRD.	DESCRIPTION

CONSULTANT

**FERRANTI ENGINEERING**

CONSULTING ELECTRICAL ENGINEERS  
 1211 MARICOPA HWY, SUITE 250  
 OJAI, CA 93023  
 (805) 705-4772  
 DALEFERRANTI@LIVE.COM

AGENCY INFORMATION:

AGENCY TRACKING NO: 63321-241  
 FILE NO. 15-6

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 03-118380  
 AC. FLS. PASS. CA  
 DATE OCT 25 2017

**BAKERSFIELD CITY SCHOOL DISTRICT**

**BESSIE OWENS INTERMEDIATE RELOCATABLES A101 - A106**

815 EUREKA ST. BAKERSFIELD CA, 93305

OPSC or OSHPD PROJ. NO:  
 PROJECT NO: 16241.000  
 DRAWN BY: VZ  
 CHK'D BY: DF  
 ISSUE DATE: 8/29/2017

SHEET TITLE

**SITE ELECTRICAL PLAN**

SHEET NUMBER

**E2.0**



CONSTRUCTION DOCUMENTS