



**SHEET NOTES**

1. CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 811 TO LOCATE UNDERGROUND UTILITIES AT LEAST 2 WORKING DAYS PRIOR TO DIGGING. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING IMPROVEMENTS PRIOR TO START OF CONSTRUCTION.
2. VERIFY LOCATION OF ALL BUILDINGS AND APPURTENANCES ON ARCHITECTURAL AND CIVIL PLANS.
3. FIELD VERIFY LOCATION ON ALL UNDERGROUND UTILITIES PRIOR TO TRENCHING. VERIFY LOCATION AND COORDINATE ALL SITE WORK WITH OWNER PRIOR TO ANY TRENCHING.
4. CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES/EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN, AND FINISH.
5. 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.
6. ALL 90 DEGREE CONDUIT BENDS AND RISERS SHALL BE PVC COATED RIGID STEEL.
7. CONTRACTOR SHALL COORDINATE AND PROVIDE ALL SITE ELECTRICAL SERVICE REQUIREMENTS WITH SERVING UTILITY.
8. 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.
9. VERIFY LOCATION OF ALL EQUIPMENT ON ARCHITECTURAL AND CIVIL PLANS.
10. MINIMUM CONDUIT BURIAL DEPTH IS 24" 36" MINIMUM BELOW STREETS AND PARKING LOTS FOR 0-600 VOLT SYSTEMS.
11. PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
12. 1" CONDUIT MINIMUM UNDERGROUND.
13. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRIC CONNECTIONS, SERVICES, AND WIRING REQUIRED, WHETHER SHOWN ON THE ELECTRICAL DRAWINGS OR NOT.
14. 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.
15. 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.
16. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH DIMENSIONED NYLON PULL STRING.
17. 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.
18. VERIFY AND PROVIDE ALL UTILITY SYSTEMS PER SERVING UTILITY STANDARD REQUIREMENTS.
19. CONTRACTOR SHALL PROVIDE CONCRETE ENCASUREMENT AT ALL VERIZON COMPANY CONDUIT BENDS PER VERIZON COMPANY REQUIREMENTS.

**KEY NOTES**

- (NOTE: THESE NOTES MAY NOT APPEAR ON ALL SHEETS)
- 1 REFER TO SINGLE LINE DIAGRAM.
  - 2 BRANCH CIRCUIT LOAD CENTER PROVIDED BY MODULAR CLASSROOM MANUFACTURER. SEE MODULAR CLASSROOM SHOP DRAWINGS FOR PANEL SCHEDULE. VERIFY LOCATION & PROVIDE CONNECTION PER VENDOR'S SHOP DRAWINGS.
  - 3 PROVIDE ALL NECESSARY WORK & MATERIALS IN ORDER TO INTERCEPT EXISTING LIGHTING BRANCH CIRCUIT TO PROVIDE TITLE 24 COMPLIANT OCCUPANCY SENSOR CONTROL. PROVIDE ALL REQUIRED RELAYS, POWER PACKS, & SENSORS FOR A COMPLETE SYSTEM.
  - 4 FOR FEEDER INFORMATION REFER TO SINGLE LINE DIAGRAM.
  - 5 PROVIDE (1) 20/1P CIRCUIT BREAKER IN EXISTING SPACE OR USE SHARED 20/1P CIRCUIT BREAKER. THE CIRCUIT BREAKER SHALL HAVE A RED MARKING & BE IDENTIFIED AS "FIRE ALARM CIRCUIT". PROVIDE A LOCK-ON DEVICE ON THE CIRCUIT BREAKER HANDLE. CIRCUIT BREAKER SHALL BE PERMANENTLY IDENTIFIED AT THE "FACP" & "EMAC". PROVIDE SURGE SUPPRESSORS ON THE INPUT OF CONTROL PANELS, EXCEPT FIRE CONTROL PANELS WITH BUILT-IN SURGE SUPPRESSORS.
  - 6 PROVIDE TVSS TYPE 120V/20A RECEPTACLE. LOCATE IN RE4 XBOX.
  - 7 PROVIDE 13"x24" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED W/"ELECTRIC". #81324BOX W/81324-51H COVER, BY CHRISTY CONCRETE.
  - 8 PROVIDE 17"x30" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED W/"ELECTRIC". #81730BOX W/81730-51H COVER, BY CHRISTY CONCRETE.
  - 9 RISE UP TO SIGNAL TERMINAL CABINET.
  - 10 PROVIDE 17"x30" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED W/"COMMUNICATION". #81730BOX W/81730-51H COVER, BY CHRISTY CONCRETE.
  - 11 EXISTING COMMUNICATIONS PULLBOX.
  - 12 VERIFY & PROVIDE ALL WORK & LOCATIONS PER VENDOR'S SHOP DRAWINGS & SUBMITTALS. EXACT LOCATION SHALL BE VERIFIED W/ARCHITECTURAL & LANDSCAPE PLANS.
  - 13 TO BOOSTER PUMP, PROVIDE LIQUIDITE (LFWG) 3/4" C. 3/8" ID.
  - 14 PROVIDE 10"x17" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED W/"POWER". #81017BOX W/81017-51H COVER, BY CHRISTY CONCRETE.
  - 15 PROVIDE (5) 1" CO FROM SECTION WITH PANEL KH.

**NOTE:**  
IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CIVIL ENGINEERING DRAWINGS AND SITE AS-BUILTS OBTAIN FROM OWNERS 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.

AGENCY INFORMATION:

AGENCY TRACKING NO. 63321-356  
FILE NO. 15-6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
**03-120240**  
AC 14 FL 2 SS 17  
DATE **JAN 02 2020**

SEAL

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

COPYRIGHT 2019 IBI GROUP

REVISIONS

NO.	DATE SUBMITTED	DATE APPROVED	DESCRIPTION

CONSULTANT

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

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

**BAKERSFIELD CITY SCHOOL DISTRICT**

**BESSIE OWENS E.S. KINDERGARTEN**  
MODULAR BUILDINGS  
815 POTOMAC AVE, BAKERSFIELD, CA 93307

OPSC or OSHPD PROJ. NO: N/A  
PROJECT NO: 118932  
DRAWN BY: V.Z.  
CHK'D BY: D.F.  
ISSUE DATE: 10/29/2019  
SHEET TITLE

**PARTIAL SITE ELECTRICAL PLAN**

SHEET NUMBER

**E202**

**1 PARTIAL SITE ELECTRICAL PLAN**  
SCALE: 1/8" = 1'-0"



CONSTRUCTION DOCUMENTS