



**HARTMANN
ARCHITECTURE
STUDIO**

A D D E N D U M N O 1

Project: OJAI UNIFIED SCHOOL DISTRICT

NEW ELECTRICAL SERVICE AND SITE IMPROVEMENTS
TOPA TOPA ELEMENTARY SCHOOL (FILE NO. 56-21, APPL. 03-121339)
OUSD JOB # 2021-1501
Hartmann Project No.: 2020.011

Date: April 30, 2021

To all bidders submitting proposals for the above captioned project. This Addendum is hereby included in the Contract Documents to the same extent as though it were originally included therein. The following items modify, add to, delete from, or explain the drawings and/or specifications. The contents of this Addendum shall take precedence over the original specifications and plans.

Item #1.1: Add specification Section 01 21 00-Allowance Procedures to Project Manual.

Item #1.2: Add City of Ojai Encroachment Permit & Standards to Project Manual. Contractor to obtain encroachment permits and construct right-of-way improvements per city standards.

Item #1.3: Revise sheets E200, E201, E202, E301, and E500.

ATTACHMENTS:

Project Manual Specifications Section 01 21 00-Allowance Procedures.
Project Manual Appendix A.
Revised sheets E200, E201, E202, E301, and E500.

Martin Hartmann, Architect
CA License C-37789



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Ojai, CA 93023
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TABLE OF CONTENTS

00 01 01	Project Title Page
00 01 07	Seals Page
00 01 10	Table of Contents

DIVISION 1 - GENERAL REQUIREMENTS

01 10 00	Summary
01 21 00	Allowance Procedures
01 23 00	Alternates
01 26 00	Contract Modification Procedures
01 29 00	Payment Procedures
01 31 00	Project Management and Coordination
01 32 00	Construction Progress Documentation
01 33 00	Submittal Procedures
01 40 00	Quality Requirements
01 41 00	Testing and Inspection Requirements for School Projects
01 42 00	References
01 50 00	Temporary Facilities and Controls
01 60 00	Product Requirements
01 70 00	Execution Requirements
01 73 29	Cutting and Patching
01 73 20	Selective Demolition
01 74 19	Construction Waste Management
01 77 00	Closeout Procedures
01 78 39	Project Record Documents

DIVISION 2 – EXISTING CONDITIONS

02 41 00	Demolition
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DIVISION 3 – CONCRETE

03200	Concrete Reinforcement
03300	Cast-in-Place Concrete
03700	Drypack & Mechanical Anchors

DIVISION 4 – MASONRY

04220	Concrete Unit Masonry
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DIVISION 5 – METALS – NOT IN USE

DIVISION 6 – WOODS AND PLASTICS – NOT IN USE

DIVISION 7 – THERMAL & MOISTURE PROTECTION

07 13 10	Self-Adhering Sheet Waterproofing
07 92 00	Joint Sealants

DIVISION 8 – OPENINGS – NOT IN USE

DIVISION 9 – FINISHES

09 91 13	Painting
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DIVISION 10 – SPECIALTIES – NOT IN USE

DIVISION 11 – EQUIPMENT - NOT IN USE

DIVISION 12 – FURNISHINGS – NOT IN USE

DIVISION 13 – SPECIAL CONSTRUCTION – NOT IN USE

DIVISION 14 – CONVEYING EQUIPMENT – NOT IN USE

DIVISION 21 – FIRE SUPPRESSION – NOT IN USE

DIVISION 22 – PLUMBING- NOT IN USE

DIVISION 23 – HEATING, VENTILATING, AND AIR CONDITIONING- NOT IN USE

DIVISION 26 – ELECTRICAL

26 05 19 Low-Voltage Electrical Power Conductors And Cables

26 05 26 Grounding And Bonding For Electrical Systems

26 05 43 Underground Ducts And Raceways For Electrical Systems

26 05 53 Identification For Electrical Systems

26 24 13 Switchboards

DIVISION 27 – COMMUNICATIONS – NOT IN USE

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY – NOT IN USE

DIVISION 31 – EARTHWORK

31 10 00 Site Clearing

31 20 20 Site Grading

31 23 00 Trenching & Backfilling

31 25 00 Construction Storm Water Pollution Prevention

DIVISION 32 – EXTERIOR IMPROVEMENTS

32 12 14 Subgrade

32 12 15 Aggregate Base

32 12 16 Asphalt Concrete Paving

32 13 13 Concrete Paving

32 16 00 Concrete Curbs, Gutters and Sidewalks

32 31 13 Chain Link Fences and Gates

DIVISION 33 – UTILITIES – NOT IN USE

APPENDIX A – CITY OF OJAI ENCROACHMENT PERMIT & STANDARDS

SECTION 01 21 00
ALLOWANCE PROCEDURES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Construction Drawings, Technical Specifications, Addenda, and general provisions of the Contract, including Contract General Conditions and Supplementary General Conditions and other Division 1 Specification Sections, apply to this Section.

1.02 SECTION INCLUDES

- A. Allowances indicated in the Bid Proposal Form to be included in Contract Amount.
1. Selected materials and equipment, and in some cases, their installation, are shown and specified in the Contract Documents by allowances. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when additional information is available for evaluation. Additional requirements, if necessary, will be issued by change order.
 2. Allowances may be used in lieu of metering for temporary construction site utility services or to reimburse project related work performed by District forces, for example, keying.

1.03 RELATED SECTIONS

- A. Section 01 50 00 - Temporary Facilities and Controls: Coordination with Allowance for temporary power.
- B. Refer to product Specifications Sections identified in Allowance description.

1.04 GENERAL REQUIREMENTS FOR ALLOWANCES

- A. Contractor shall submit cost data and other descriptive data to establish basis used by Contractor for determining costs in Contract Amount attributable to each Allowance.
- B. Any amount not fully consumed shall be adjusted by change order.

1. The Contractor will be credited for his actual cost of labor, materials, and other actual costs WITHOUT mark-up.
2. Any unused allowances shall be returned to the District using a credit change order for the full amount of the value unused plus six (6) percent.
3. Should the Contractor's actual costs exceed the specified allowance, the Contractor's Contract Amount will be adjusted by change order in accordance with Contract General Conditions.

1.05 ALLOWANCE COSTS FOR CONTRACTOR-PROVIDED PRODUCTS

- A. Contractor-Provided Products: Amount for each Allowance, for procurement of products to be selected by District's Representative or Architect after execution of the Agreement, shall include:
1. Net cost of product(s) to Contractor. Trade discounts and rebates shall be included.
 2. Delivery to site.
 3. Labor, equipment and related consumable products required for application, installation and finishing of product when Allowance is indicated to include costs for incorporation into completed construction.
 4. Applicable taxes, permits and fees.
- B. Costs Included in Contract Amount: In addition to amount identified for each Allowance, include in Contract Amount all costs for:
1. Handling and storage at site, including unloading, uncrating, and protective measures.
 2. Protection from weather, soiling and physical damage.
 3. Labor, equipment, and related consumable products necessary for application, installation or finishing, except when Allowance is indicated to include costs for incorporation into completed construction.
 4. Contractor's and all subcontractor's field and home office overhead expenses, bonds, insurance and profit.
 5. All other costs attributable to incorporation of Allowance into completed construction, such as design fees and reworking of adjoining construction.

1.06 ALLOWANCE COSTS FOR EXECUTION

- A. Owner-Furnished/Contractor-Installed (OFI) Products: Amount for each Allowance, for application, installation and finishing of products provided by District (Owner-Furnished/Contractor-Installed products), shall include:
1. Delivery to site, unless specifically noted otherwise.
 2. Applicable taxes, permits and fees.
 3. Handling and storage at site, including unloading, uncrating, and protective measures.
 4. Protection from weather, soiling and physical damage.
 5. Labor, equipment and related consumable products required for application, installation and finishing of product when Allowance is indicated to include costs for incorporation into completed construction.
 6. Contractor's and all subcontractor's field and home office overhead expenses, bonds, insurance and profit.
 7. All other costs attributable to incorporation of Allowance into completed construction, such as design fees and reworking of adjoining construction.

PART 2 – PRODUCTS

2.01 CONTINGENCY ALLOWANCES

- A. **Allowance No. 1** – Work Changes due to Unforeseen Conditions: Allow sum of **[Thirty thousand, zero dollars and zero cents (\$30,000.00)]** for changes that may occur during the course of the project that are a result of previously unknown conditions or existing utilities hidden from view.
- B. Use the contingency allowance only as directed by the contract documents and only by Change Orders that indicate amounts to be charged to the allowance.
- C. Contractor's overhead, profit, and related costs for products and equipment ordered by Owner under the contingency allowance are included in the allowance and are not part of the Contract Sum. These costs include delivery, installation, insurance, equipment rental, and similar costs.
- D. Change Orders authorizing use of funds from the contingency allowance will include Contractor's related costs and reasonable overhead and profit margins.

- E. At Project closeout, credit unused amounts remaining in the contingency allowance to Owner by Change Order.

PART 3 - EXECUTION

3.01 SELECTION OF PRODUCTS

A. District's Representative and Architect will:

1. Consult with Contractor for considerations to be given in selection of products, suppliers and qualified installers.
2. Make selection in consultation with District staff. Obtain written direction by District's Representative designating:
 - a. Product, color, design and finish.
 - b. Accessories and attachments.
 - c. Suppliers and qualified installers, as applicable.
 - d. Allowance amount to be included in Contract Amount.
 - e. Construction Contract warranty and manufacturer's guarantee provisions.

B. Contractor shall:

1. Assist District's Representative and Architect in determining qualified suppliers or installers.
2. Obtain proposals from suppliers and installers when directed by District's Representative.
3. Make cost and constructability recommendations to District's Representative and Architect for consideration in product, supplier and qualified installer selections.
4. Notify District's Representative and Architect promptly of:
 - a. Reasonable objections Contractor may have against any supplier or party under consideration for installation.
 - b. Effects on Construction Schedule anticipated by selections under consideration.

3.02 CONTRACTOR'S RESPONSIBILITIES

- A. Upon notification of selection, Contractor shall execute purchase agreement with designated supplier and enter into contract with designated qualified installer, as applicable.

Should a purchase agreement already exist between District and supplier, Contractor shall assume the purchase agreement for the District.

- B. Contractor shall make all arrangements for and submit shop drawings, product data and samples as required.
- C. Contractor shall make all arrangements for pick-up, delivery, handling and storage of products.
- D. Upon delivery, Contractor shall promptly inspect products for damage or defects. Should damage or defects be found, Contractor shall effect return, replacement or repair of products, as appropriate, and process claims for transportation damage.
- E. Contractor shall apply, install and finish products in compliance with requirements of applicable Sections of Specifications.

3.03 ADJUSTMENT COSTS

- A. Should the net cost of the Allowance be more or less than the amount included in the Contract Amount, the Contract Amount shall be adjusted in accordance with provisions of the Contract General Conditions and a Change Order shall be executed.
- B. Adjustment shall be made only for:
 - 1. Increase or decrease in handling costs at site, labor, installation costs, overhead, profit, and other expenses resulting from final selection under Allowance.
 - 2. Increase or decrease in product cost resulting from final selection under Allowance.
 - 3. Increase or decrease in product cost from data provided by District's Representative or Architect and used to determine Allowance product cost.
 - 4. Increase or decrease in product, application, installation and finishing costs resulting from change in quantity stated in Allowance.

- C. Contractor shall submit claim and supporting documentation for cost increase or decrease within ten (10) days of execution of Construction Change Directive. Failure to submit documentation within designated time shall constitute a waiver of claims for additional costs.

END OF SECTION

APPENDIX A

CITY OF OJAI ENCROACHMENT PERMIT & STANDARDS



Permit#: _____
Issue Date: _____
Issued By: _____

SINGLE EVENT ENCROACHMENT PERMIT

CITY OF OJAI
Department of Public Works
408 S. Signal Street, Ojai, CA 93023
Phone: (805) 646-5581 FAX (805) 653-2235

APPLICATION

(This section to be completed by applicant)

THE UNDERSIGNED HEREBY APPLIES FOR PERMISSION TO ENCROACH ON THE FOLLOWING DESCRIBED CITY RIGHT-OF-WAY FOR:

- Curb, Gutter or Sidewalk Driveway Construction Excavation Tree Trimming Roll-Off Misc. Use & Events Outdoor Dining

Location: _____

Description of Work: _____
(Attach a detailed Drawing of Work to be Done)

No. of Days: _____ Beginning: _____ Ending: _____

Excavation Length: _____ Width: _____ Depth: _____ Sq. FT: _____

NOTE: Non-Emergency ground disturbing activity may require a "Quick Check" through the California Historical Records Information System (CHRIS) and a Tribal Consultation.

I understand that any permit that may be granted as a result of this request may be revoked by the City at any time. In consideration for issuance of this permit, I agree, and by use hereof, my agents, employees, contractors, agree to be bound by all of the provisions of Title 7, Chapter 1, of the Ojai Municipal Code, the Standard Conditions attached to this permit, and any special conditions hereon and attached hereto. I further agree to hold the City harmless (Sec. 7-1.105) from any claims, defense and legal costs, judgments for damages, or other relief against the city as a result of acts, or omissions, by me or my representatives, in the performance of any activities permitted hereunder, whether the condition giving rise to the claim or judgment was created in whole, or in part, by me or my representatives. Any inspection by the City shall in no way relieve the permittee from responsibility for the work. Applicant and Contractor are responsible with all compliance with all permit requirements, standard conditions, special conditions, and any other applicable requirements.

Applicant: _____ Phone: _____

Mailing Address: _____

Signature: _____ Date: _____

Contractor: _____ Phone: _____

Mailing Address: _____

Signature: _____ Date: _____

A certificate of Insurance and a Surety Bond must accompany this application, naming the City of Ojai as the Additionally Insured. Permittee is responsible to provide certificate prior to commencement of work. See attached Standard Conditions.

Insurance Company: _____ Phone: _____

Mailing Address: _____

Policy Number: _____

Surety Bond: _____ Amount: _____

PERMITTEE SHALL NOTIFY PUBLIC WORKS DEPARTMENT 48 HOURS PRIOR TO COMMENCING WORK at the above location.

(This section to be completed by Department of Public Works)

SPECIAL CONDITIONS:

ALL PERMITS ARE VALID FOR 30 DAYS UPON ISSUANCE, UNLESS OTHERWISE NOTED

Permission is hereby granted to perform the activities described above, subject to the statutes, ordinances and conditions described above, including attached Standard Conditions. Special conditions hereon and attached hereto are made a part hereof by reference. Permit not valid unless signed by the Director of Public Works.

By: _____
Public Works Director/ City Engineer

Date: _____

PERMIT FEES

Issuance Fee(s) \$ _____

Item _____ \$ _____

_____ \$ _____

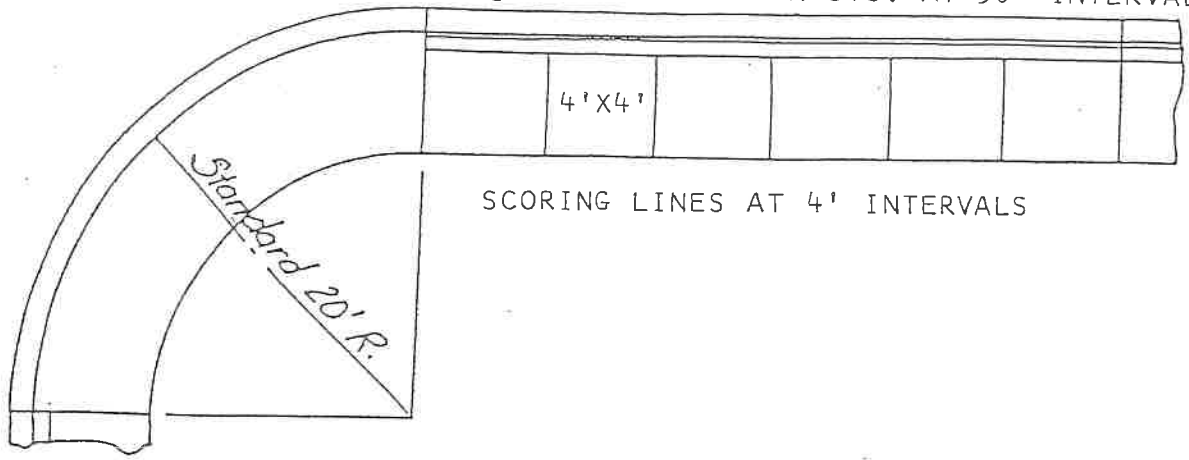
_____ \$ _____

_____ \$ _____

TOTAL FEES \$ _____

TOTAL RECEIVED \$ _____

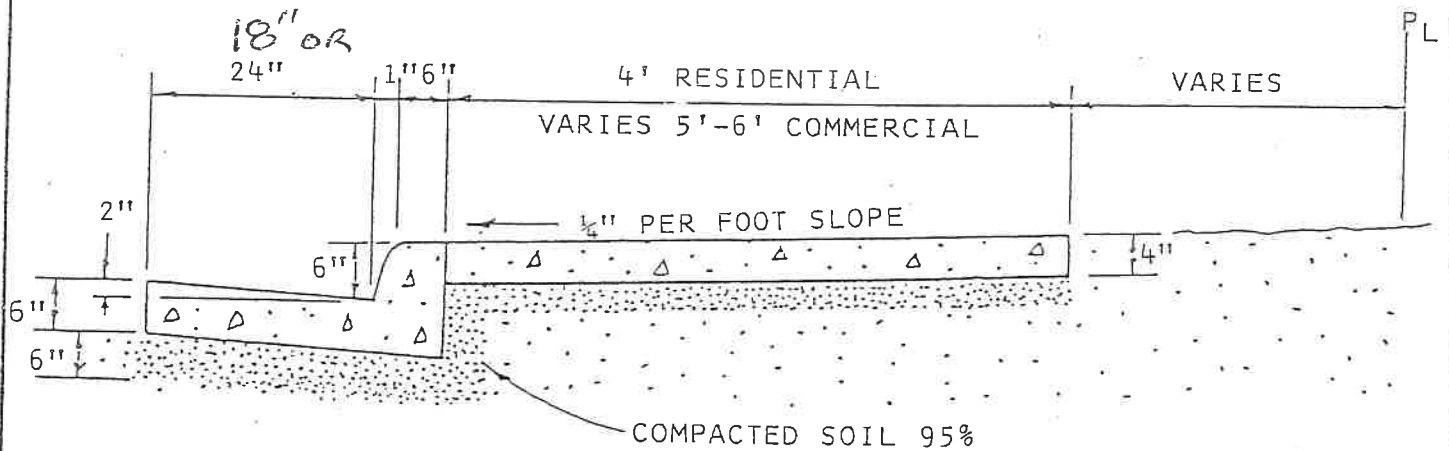
1/2" FELT EXPANSION JTS. AT 30' INTERVALS



Standard Sidewalk Layout

NOTES:

1. Sidewalk ramps shall have a light broom finish.
2. Height of curb face - 6".
3. Back of curb face - 12".
4. Curb & gutter shall have steel trowel finish.



STANDARD SPECIFICATIONS

DATE: 1-10-2000

APPROVED:

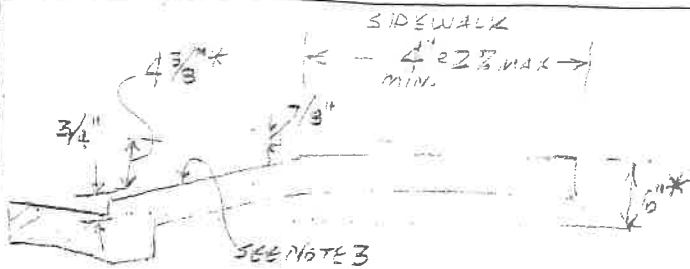
S. HARRIS

DIRECTOR OF PUBLIC WORKS

CITY OF OJAI

CURB, GUTTER, AND SIDEWALK

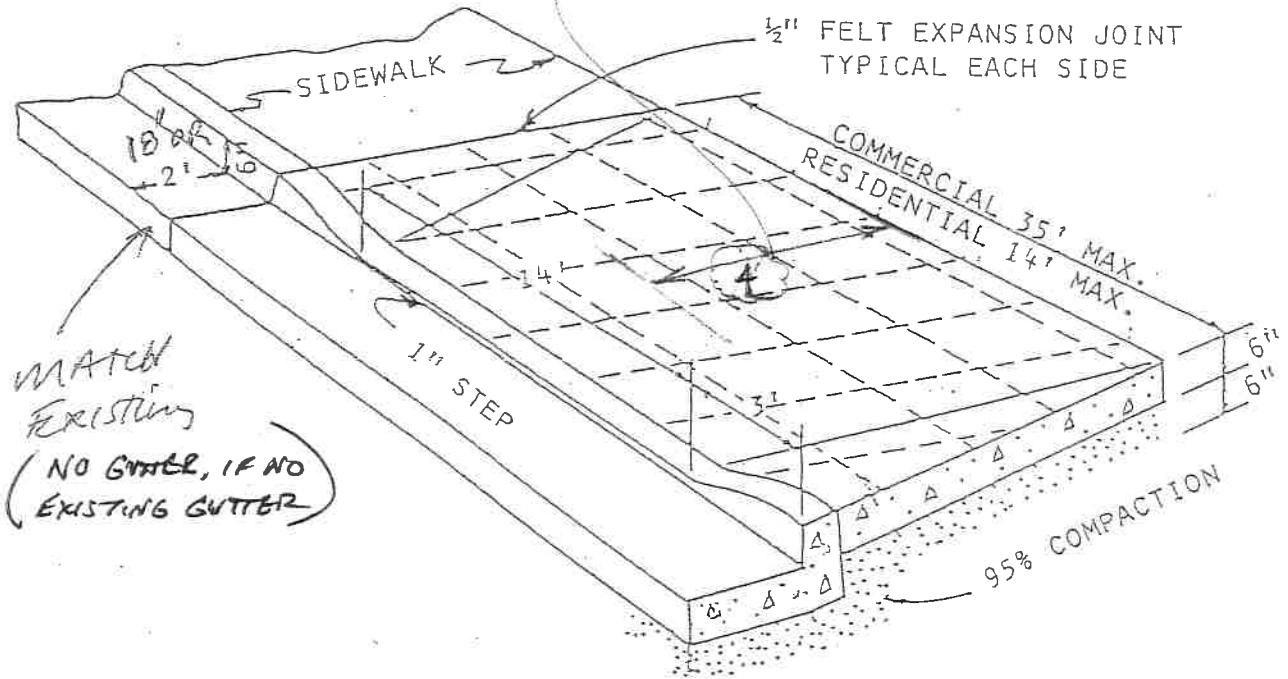
ST-7



ADA REQUIREMENTS: 2-8-17, B. GRANT

1. MAINTAIN 4' WIDE (MINIMUM) AT 2% CROSS-SLOPE (MAX).
2. MAINTAIN 8% MAXIMUM LONGITUDINAL SLOPE ON SIDEWALK.
3. 10% MAX. SLOPE PREFERRED. MAY NEED TO SHIFT BACK IF SIDEWALK TO PROVIDE WIDTH.*

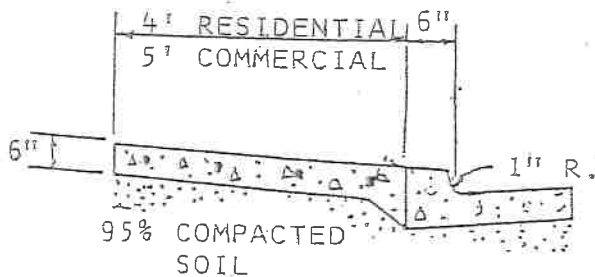
*MAY BE REDUCED BY UP TO 2" IN LOW FLOOD HAZARD AREAS, WITH CITY ENGINEER'S APPROVAL ONLY. (WRITTEN)



MATCH EXISTING
(NO GUTTER, IF NO EXISTING GUTTER)

OPTIONAL

- * #4 REBAR @ 18" BOTH WAYS IN APPROACH WITH 2" SUPPORT BLOCKS.



Notes:

1. Provide ADA required 3 foot wide sidewalk across driveway cut per detail and these supplemental notes.
2. Back of sidewalk/driveway approach shall be 6" higher than gutter flowline. This may be reduced by up to 2" with City Engineer's written approval only (as this increases flooding risk to property).
3. See City driveway ordinance requirements (Sec 10-2.1409) for further information
 - Note adjacent driveways shall be separated by 3 foot (not including transition/wings).

STANDARD SPECIFICATIONS

DATE: 3/12/2018
 APPROVED: B. GRANT
 DIRECTOR OF PUBLIC WORKS

CITY OF OJAI
 NEW DRIVEWAY APPROACH

ST-4

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 FIELD VERIFY LOCATION AND DEPTH OF EXISTING IMPROVEMENTS PRIOR TO START OF CONSTRUCTION.
2. VERIFY LOCATION OF ALL BUILDINGS AND APPENDICES ON ARCHITECTURAL AND CIVIL PLANS.
3. FIELD VERIFY LOCATION ON ALL UNDERGROUND UTILITIES PRIOR TO TRENCHING. SCHEDULE 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 CONDUCTOR & 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 ELECTRICAL CONNECTIONS, DEVICES, 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 VOLTAGE SURGE ARRESTER PER NFPA 20, ARTICLE 10.4.1 REQUIREMENTS.
20. CONTRACTOR SHALL PROVIDE CONCRETE ENCASEMENT AT ALL VERIZON COMPANY CONDUIT BENDS PER VERIZON COMPANY REQUIREMENTS.

AGENCY APPROVAL:

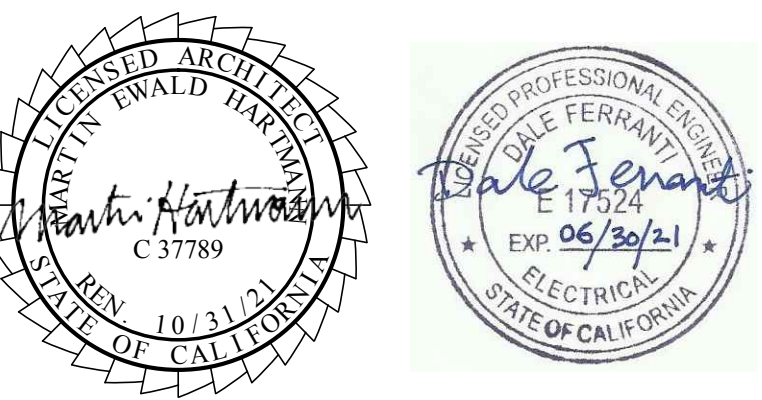


HARTMANNARCHITECTURESTUDIO.COM
430 S. CARRILLO RD.
OJAI, CALIFORNIA 93023
(805) 798-2253

CONSULTANTS:

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

SEALS:



PROJECT:
**NEW ELECTRICAL SERVICE
& SITE IMPROVEMENTS**

OWNER:
OJAI UNIFIED SCHOOL DISTRICT
414 EAST OJAI AVENUE
OJAI, CA 93023
(805) 640-4300
CONTACT: ADAM DUTTER
EMAIL: adutter@ojaiusd.org

PROJECT ADDRESS:
TOPA TOPA ELEMENTARY SCHOOL
916 MOUNTAIN VIEW AVENUE
OJAI, CA 93023

ISSUE:		
MARK	DATE	DESCRIPTION
1	04/30/21	ADDENDUM #1

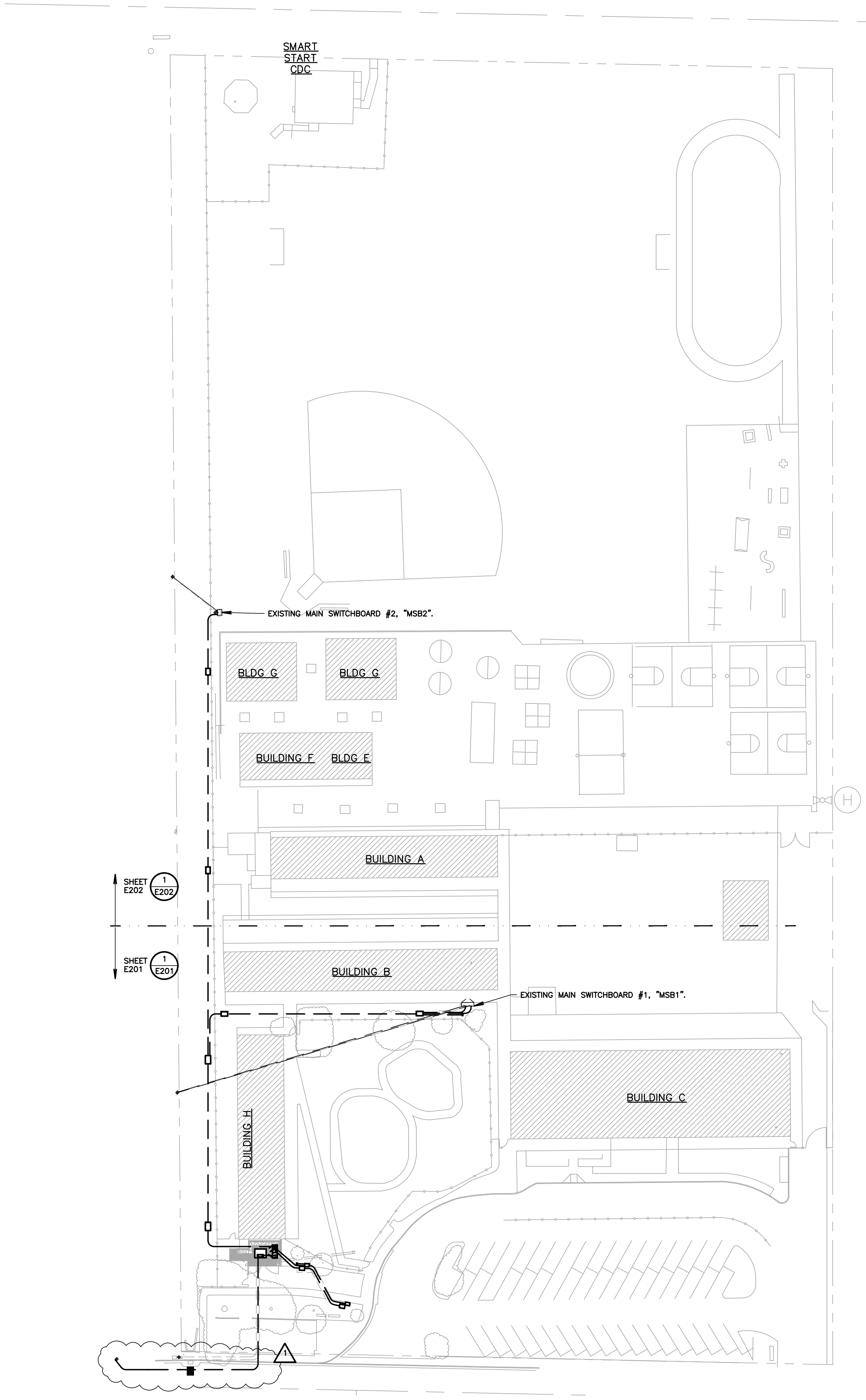
PROJECT INFORMATION:
PROJECT NUMBER: 2020.011
PROJECT PHASE: 04COND0C
DRAWN BY: D.F.
REVIEWED BY: D.F.

THE ORIGINAL SIZE OF THIS SHEET IS 36"x24". IF THE CURRENT SIZE IS OTHER THAN 36"x24", THEN ADJUST THE SCALE OF THE DRAWINGS ACCORDINGLY.

SHEET TITLE:
**SITE
ELECTRICAL
PLAN**

SHEET NUMBER:
E200

DATE:
03/31/2021



1 SITE ELECTRICAL PLAN
SCALE: 1"=50'-0"



Know what's below.
Call before you dig.

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 APPENDICES 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 CONDUCTOR & 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.
- VERIFY AND PROVIDE ALL UTILITY SYSTEMS PER SERVING UTILITY STANDARD REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE VOLTAGE SURGE ARRESTER PER NFPA 20, ARTICLE 10.4.1 REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE CONCRETE ENCASMENT AT ALL VERIZON COMPANY CONDUIT BENDS PER VERIZON COMPANY REQUIREMENTS.

KEY NOTES

(NOTE: THESE NOTES MAY NOT APPEAR ON ALL SHEETS)

- PROTECT IN PLACE.
- ALL WORK & LOCATIONS SHALL BE COORDINATED WITH FINAL SCE COMPANY CONSTRUCTION DRAWINGS PRIOR TO STARTING CONSTRUCTION. VERIFY & PROVIDE ALL WORK PER SCE COMPANY REQUIREMENTS.
- PROVIDE 24"x36" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED WITH "PV SYSTEM". #B2438BOX W/B2438-51JH COVER, BY CHRISTY CONCRETE.
- VERIFY AND PROVIDE PER FINAL PV SYSTEM DRAWINGS. SHOWN FOR INFORMATION ONLY.
- PROVIDE 3'x5'x4" TRAFFIC RATED VAULT, WITH STEEL DIAMOND PLATE COVER ENGRAVED WITH "ELECTRIC". EDISON 3548FP, BY OLD CASTLE PRECAST.
- RISE UP AND LB INTO BACK OF DISTRIBUTION BOARD.
- REFER TO PROPOSED SINGLE LINE DIAGRAM FOR FEEDER INFORMATION.
- PROVIDE CONCRETE HOUSEKEEPING PAD. REFER TO STRUCTURAL FOR ANCHORING EXACT DIMENSIONS AND ALL ANCHORING REQUIREMENTS. CONCRETE HOUSEKEEPING PAD SHALL EXTEND 4" ABOVE FINISHED GRADE.
- PROVIDE 30"x48" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED WITH "ELECTRIC". #B3048BOX W/B3048-51JH COVER, BY CHRISTY CONCRETE.
- PROVIDE 17"x30" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED WITH "ELECTRIC". #B1730BOX W/B1730-51JH COVER, BY CHRISTY CONCRETE.
- PROVIDE 13"x24" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED WITH "ELECTRIC". #B1324BOX W/B1324-51JH COVER, BY CHRISTY CONCRETE.

UTILITY CONTACTS

SCE (POWER)	GLENN GORSS (805) 603-8061 (CELL) GLENN.GORSS@SCE.COM (E-MAIL)
-------------	--

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.



Know what's below.
Call before you dig.

AGENCY APPROVAL:

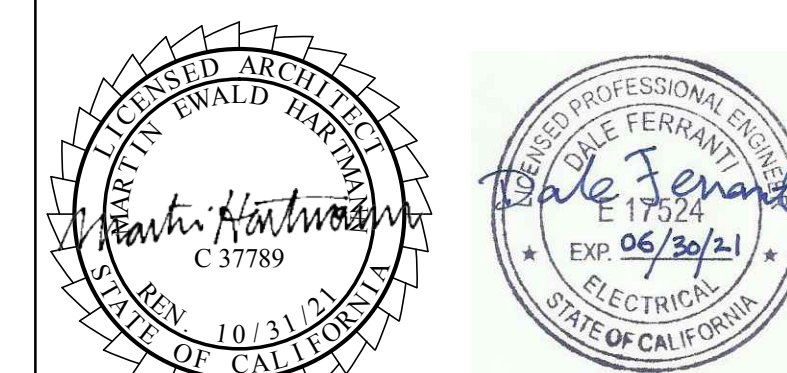


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SEALS:



PROJECT:
NEW ELECTRICAL SERVICE & SITE IMPROVEMENTS

OWNER:
OJAI UNIFIED SCHOOL DISTRICT
414 EAST OJAI AVENUE
OJAI, CA 93023
(805) 640-4300
CONTACT: ADAM DUTTER
EMAIL: adutter@ojaiusd.org

PROJECT ADDRESS:
TOPA TOPA ELEMENTARY SCHOOL
916 MOUNTAIN VIEW AVENUE
OJAI, CA 93023

MARK	DATE	DESCRIPTION
1	04/30/21	ADDENDUM #1

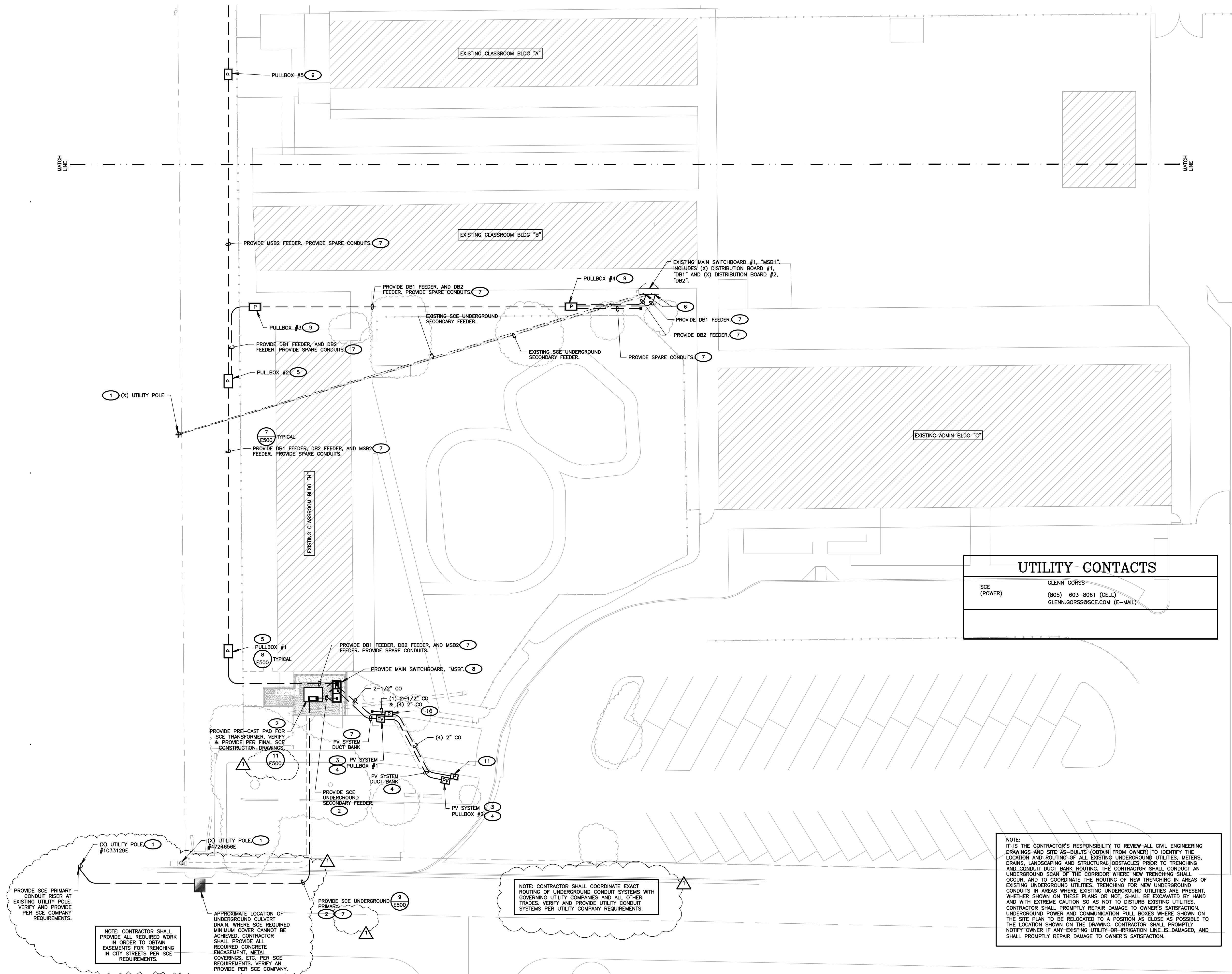
PROJECT INFORMATION:
PROJECT NUMBER: 2020.011
PROJECT PHASE: 04CONDOC
DRAWN BY: D.F.
REVIEWED BY: D.F.
THE ORIGINAL SIZE OF THIS SHEET IS 36"x24". IF THE CURRENT SIZE IS OTHER THAN 36"x24", THEN ADJUST THE SCALE OF THE DRAWING ACCORDINGLY.

PARTIAL SITE ELECTRICAL PLAN

SHEET NUMBER:

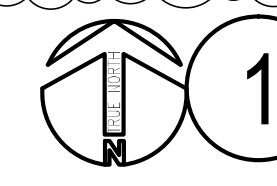
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DATE:
03/31/2021



PARTIAL SITE ELECTRICAL PLAN

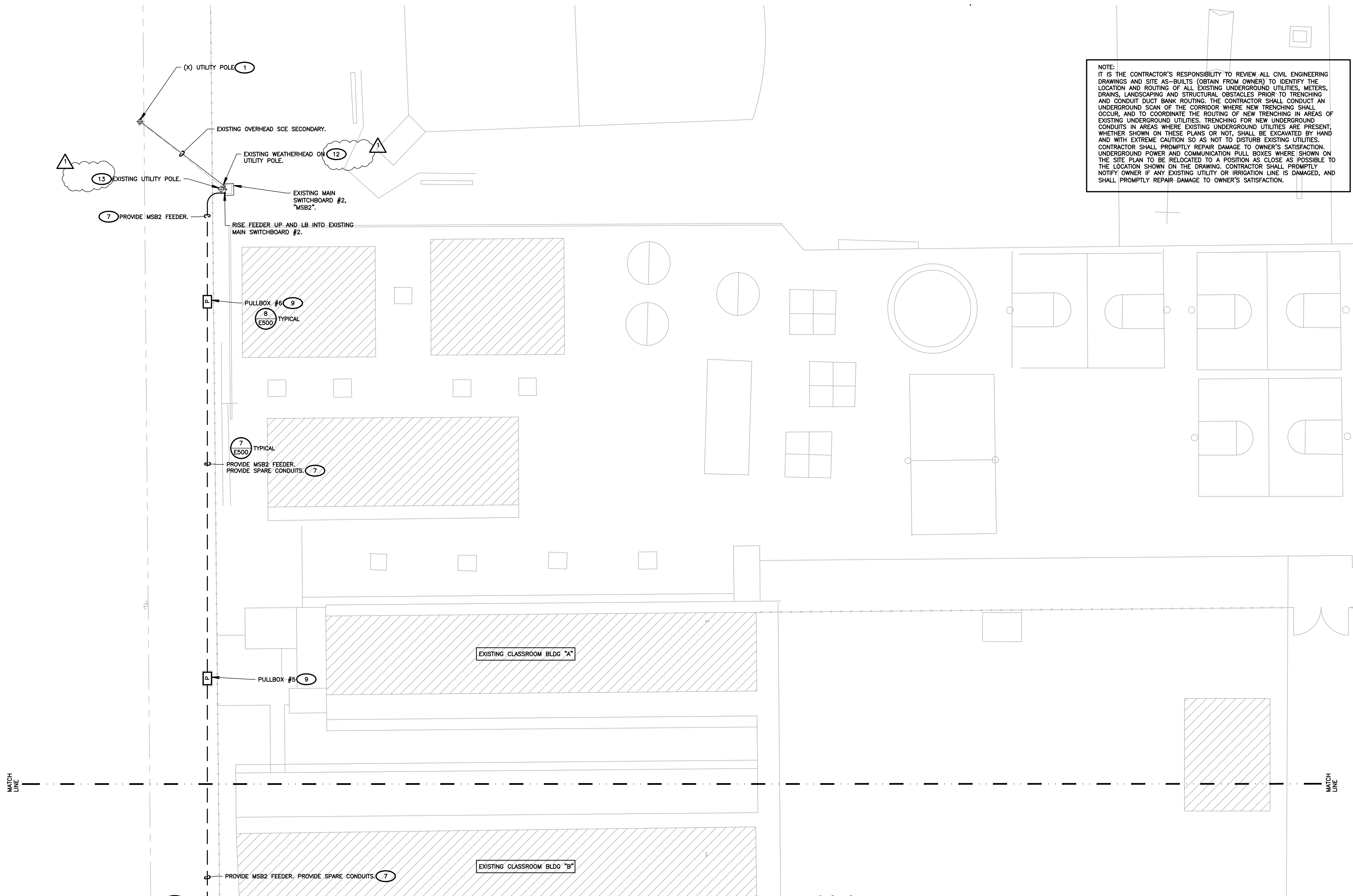
SCALE: 1"=20'-0"



NOTE: CONTRACTOR SHALL COORDINATE EXACT ROUTING OF UNDERGROUND CONDUIT SYSTEMS WITH GOVERNING UTILITY COMPANIES AND ALL OTHER TRADES. VERIFY AND PROVIDE UTILITY CONDUIT SYSTEMS PER UTILITY COMPANY REQUIREMENTS.

NOTE: CONTRACTOR SHALL PROVIDE ALL REQUIRED WORK IN ORDER TO OBTAIN EASEMENTS FOR TRENCHING IN CITY STREETS PER SCE REQUIREMENTS.

APPROXIMATE LOCATION OF UNDERGROUND CULVERT DRAIN, WHERE SCE REQUIRED MINIMUM COVER CANNOT BE ACHIEVED. CONTRACTOR SHALL PROVIDE ALL REQUIRED CONCRETE ENCASMENT, METAL COVERINGS, ETC. PER SCE REQUIREMENTS. VERIFY AND PROVIDE PER SCE COMPANY.



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.

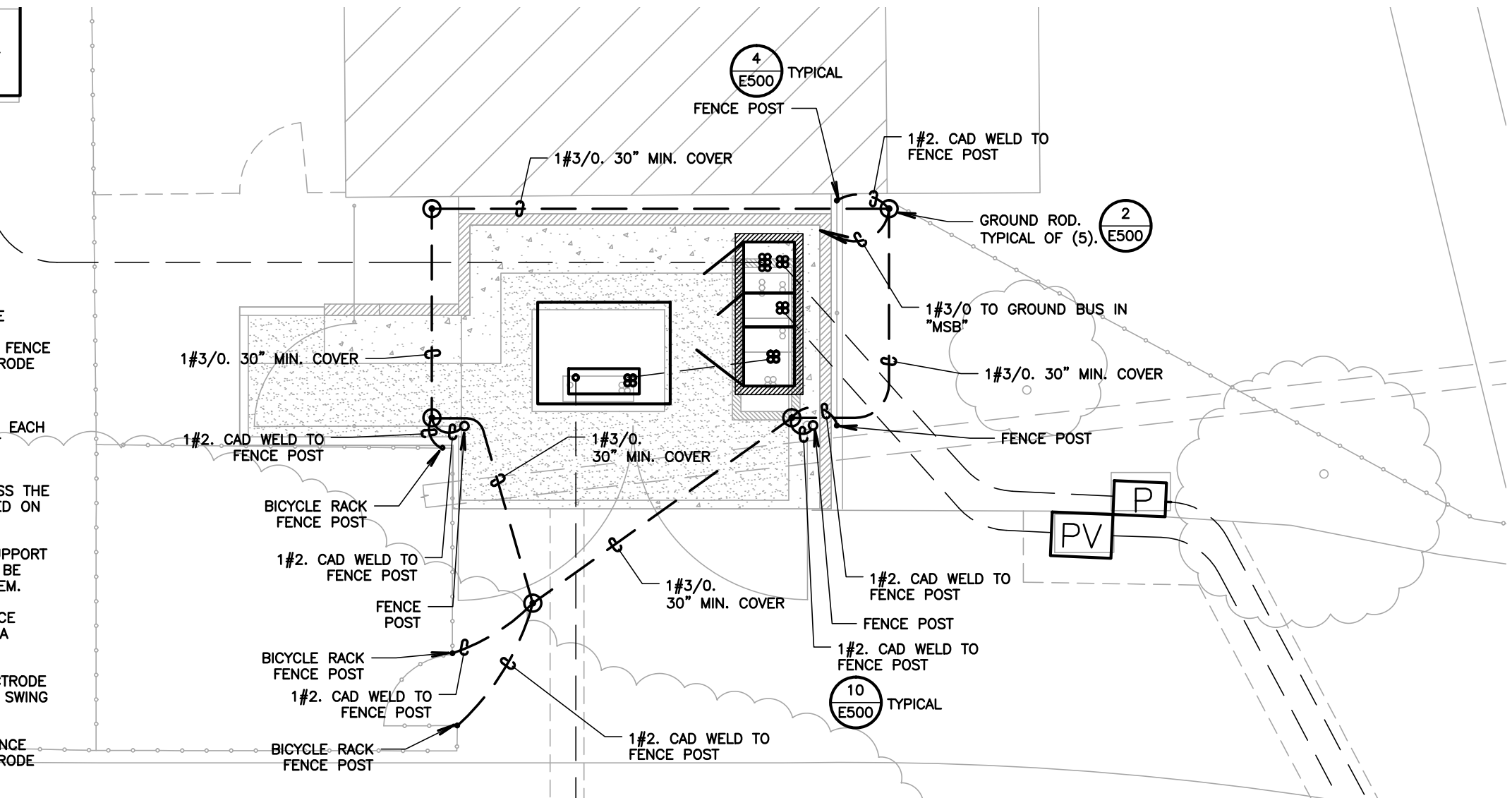
SHEET NOTES

- 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 APPENDICES 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 CONDUCTOR & 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 MANUFACTURER'S 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.
- VERIFY AND PROVIDE ALL UTILITY SYSTEMS PER SERVING UTILITY STANDARD REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE VOLTAGE SURGE ARRESTER PER NFPA 20, ARTICLE 10.4.1 REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE CONCRETE ENCASMENT AT ALL VERIZON COMPANY CONDUIT BENDS PER VERIZON COMPANY REQUIREMENTS.

KEY NOTES

- (NOTE: THESE NOTES MAY NOT APPEAR ON ALL SHEETS)
- 1. PROTECT IN PLACE.
 - 7. REFER TO PROPOSED SINGLE LINE DIAGRAM FOR FEEDER INFORMATION.
 - 9. PROVIDE 30"x48" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED WITH "ELECTRIC". #B3048BOX W/B3048-51JH COVER, BY CHRISTY CONCRETE.
 - 12. CONTRACTOR SHALL DISCONNECT AND REMOVE WEATHERHEAD, CONDUCTORS, AND CONDUIT SYSTEM ENTERING TOP OF "MSB2". PROVIDE ALL REQUIRED WORK AND MATERIALS IN ORDER TO SEAL CONDUIT OPENING TO A WEATHERPROOF CONDITION. COORDINATE EXACT TIMING OF THIS REMOVAL W/O.U.S.D. REPRESENTATIVE AND W/PLANNED SCE WORK OF REMOVING OVERHEAD SCE SECONDARY CONDUCTORS.
 - 13. CONTRACTOR SHALL REMOVE POLE AFTER ELECTRICAL SERVICE IS CUT OVER AND AFTER SCE COMPANY REMOVES THEIR OVERHEAD SECONDARY CONDUCTORS. COORDINATE EXACT TIMING OF THIS REMOVAL W/O.U.S.D. REPRESENTATIVE AND W/PLANNED SCE WORK OF REMOVING OVERHEAD SCE SECONDARY CONDUCTORS.

1 PARTIAL SITE ELECTRICAL PLAN
SCALE: 1"=20'-0"



- (A) METAL FENCES: WHERE METAL FENCES ARE LOCATED WITHIN 16 FEET OF THE EXPOSED ELECTRICAL CONDUCTORS OR EQUIPMENT, THE FENCE SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM WITH WIRE-TYPE BONDING JUMPERS.
- BONDING JUMPERS SHALL BE INSTALLED AT EACH FENCE CORNER AND AT A MAXIMUM 160 FOOT INTERVALS ALONG THE FENCE.
 - WHERE BARE OVERHEAD CONDUCTORS CROSS THE FENCE, BONDING JUMPERS SHALL BE INSTALLED ON EACH SIDE OF THE CROSSING.
 - GATES SHALL BE BONDED TO THE GATE SUPPORT POST, AND EACH GATE SUPPORT POST SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM.
 - ANY GATE OR OTHER OPENING IN THE FENCE SHALL BE BONDED ACROSS THE OPENING BY A BURIED BONDING JUMPER.
 - THE GROUNDING GRID OR GROUNDING ELECTRODE SYSTEMS SHALL BE EXTENDED TO COVER THE SWING OF ALL GATES.
 - THE BARBED WIRE STRANDS ABOVE THE FENCE SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM.

2 GROUND RING AND BONDING PLAN
SCALE: 1/8"=1'-0"

AGENCY APPROVAL:



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PROJECT:
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OJAI, CA 93023

ISSUE:		
MARK	DATE	DESCRIPTION
1	04/30/21	ADDENDUM #1

PROJECT INFORMATION:
PROJECT NUMBER: 2020.011
PROJECT PHASE: 04CONDOC
DRAWN BY: D.F.
REVIEWED BY: D.F.

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SHEET TITLE:
PARTIAL SITE ELECTRICAL PLAN

SHEET NUMBER:

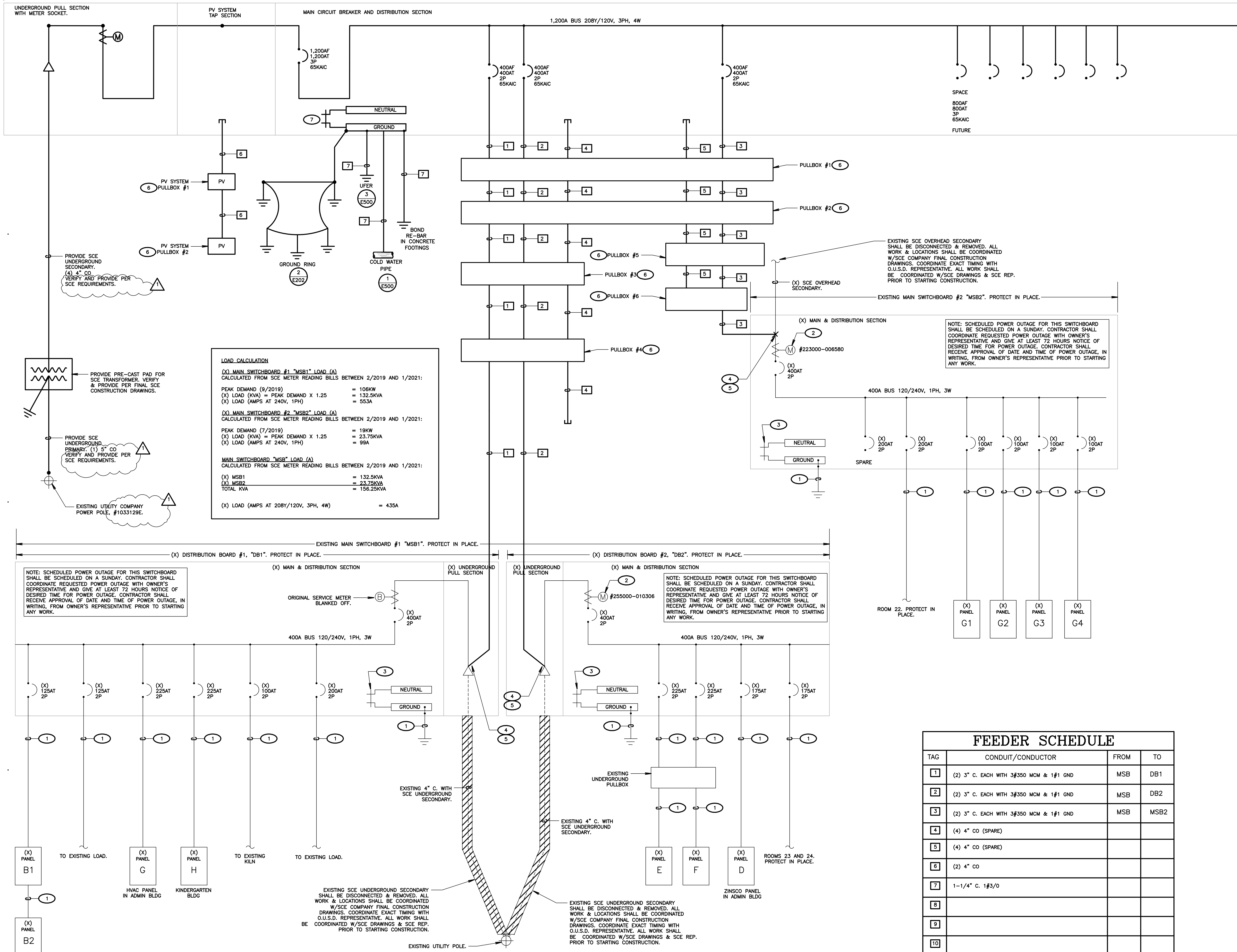
E202

DATE:
03/31/2021



Know what's below.
Call before you dig.

PROVIDE MAIN SWITCHBOARD, "MSB".



LOAD CALCULATION

(X) MAIN SWITCHBOARD #1 "MSB1" LOAD (A)
CALCULATED FROM SCE METER READING BILLS BETWEEN 2/2019 AND 1/2021:

PEAK DEMAND (9/2019) = 106KW
 (X) LOAD (KVA) = PEAK DEMAND X 1.25 = 132.5KVA
 (X) LOAD (AMPS AT 240V, 1PH) = 553A

(X) MAIN SWITCHBOARD #2 "MSB2" LOAD (A)
CALCULATED FROM SCE METER READING BILLS BETWEEN 2/2019 AND 1/2021:

PEAK DEMAND (7/2019) = 19KW
 (X) LOAD (KVA) = PEAK DEMAND X 1.25 = 23.75KVA
 (X) LOAD (AMPS AT 240V, 1PH) = 99A

MAIN SWITCHBOARD "MSB" LOAD (A)
CALCULATED FROM SCE METER READING BILLS BETWEEN 2/2019 AND 1/2021:

(X) MSB1 = 132.5KVA
 (X) MSB2 = 23.75KVA
 TOTAL KVA = 156.25KVA

(X) LOAD (AMPS AT 208Y/120V, 3PH, 4W) = 435A

FEEDER SCHEDULE

TAG	CONDUIT/CONDUCTOR	FROM	TO
1	(2) 3" C. EACH WITH 3#350 MCM & 1#1 GND	MSB	DB1
2	(2) 3" C. EACH WITH 3#350 MCM & 1#1 GND	MSB	DB2
3	(2) 3" C. EACH WITH 3#350 MCM & 1#1 GND	MSB	MSB2
4	(4) 4" CO (SPARE)		
5	(4) 4" CO (SPARE)		
6	(2) 4" CO		
7	1-1/4" C. 1#3/0		
8			
9			
10			

SHEET NOTES

- VERIFY LOCATION OF ALL BUILDINGS AND APPENDICES ON ARCHITECTURAL AND CIVIL PLANS.
- 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 CONDUCTOR & 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.
- VERIFY LOCATION OF ALL EQUIPMENT ON ARCHITECTURAL AND CIVIL PLANS.
- 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.
- 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.
- UNLESS NOTED OTHERWISE, ALL DEVICES AND TERMINATIONS SHALL BE RATED FOR 75 DEGREES CELSIUS.
- ALL CONDUCTORS #8 AND SMALLER SHALL BE THHN/THWN CU. ALL CONDUCTORS #6 AND LARGER SHALL BE XHHW-2 CU.
- PER CEC 110.24, SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
- PER CEC 110.16, ELECTRICAL EQUIPMENT, SUCH AS SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.

KEY NOTES

- (NOTE: THESE NOTES MAY NOT APPEAR ON ALL SHEETS)
- EXISTING FEEDER. PROTECT IN PLACE.
 - EXISTING SCE METER SHALL BE DISCONNECTED & REMOVED. BLANK-OFF METER SOCKET IN A WAY THAT MAINTAINS U.L. LISTING OF EQUIPMENT. ALL WORK SHALL BE COORDINATED WITH SCE COMPANY FINAL CONSTRUCTION DRAWINGS.
 - DISCONNECT & REMOVE MAIN BONDING JUMPER.
 - CONTRACTOR SHALL FIELD VERIFY EXACT POINT OF CONNECTION & PROVIDE ALL NECESSARY WORK & MATERIALS IN ORDER TO RECONNECT SWITCHBOARD TO NEW FEEDER.
 - NOTE: EXACT TIMING OF CUT-OVER SHALL BE COORDINATED WITH SCE COMPANY & O.U.S.D. WORK SHALL BE PERFORMED AFTER HOURS IN ORDER TO MINIMIZE DISRUPTION TO SCHOOL SCHEDULE.
 - NOTE: PULLBOXES NOT SHOWN. REFER TO SITE ELECTRICAL PLANS FOR PULLBOX LOCATIONS AND PULLBOX SPECIFICATIONS.
 - REMOVABLE LINK. MAIN SWITCHBOARD SHALL BE PROVIDED WITH FACTORY INSTALLED MAIN BONDING JUMPER.

AGENCY APPROVAL:

1. VERIFY LOCATION OF ALL BUILDINGS AND APPENDICES ON ARCHITECTURAL AND CIVIL PLANS.



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ISSUE:

MARK	DATE	DESCRIPTION
1	04/30/21	ADDENDUM #1

PROJECT INFORMATION:
 PROJECT NUMBER: 2020.011
 PROJECT PHASE: 04COND0C
 DRAWN BY: D.F.
 REVIEWED BY: D.F.

SHEET TITLE:
 SINGLE LINE DIAGRAM PROPOSED

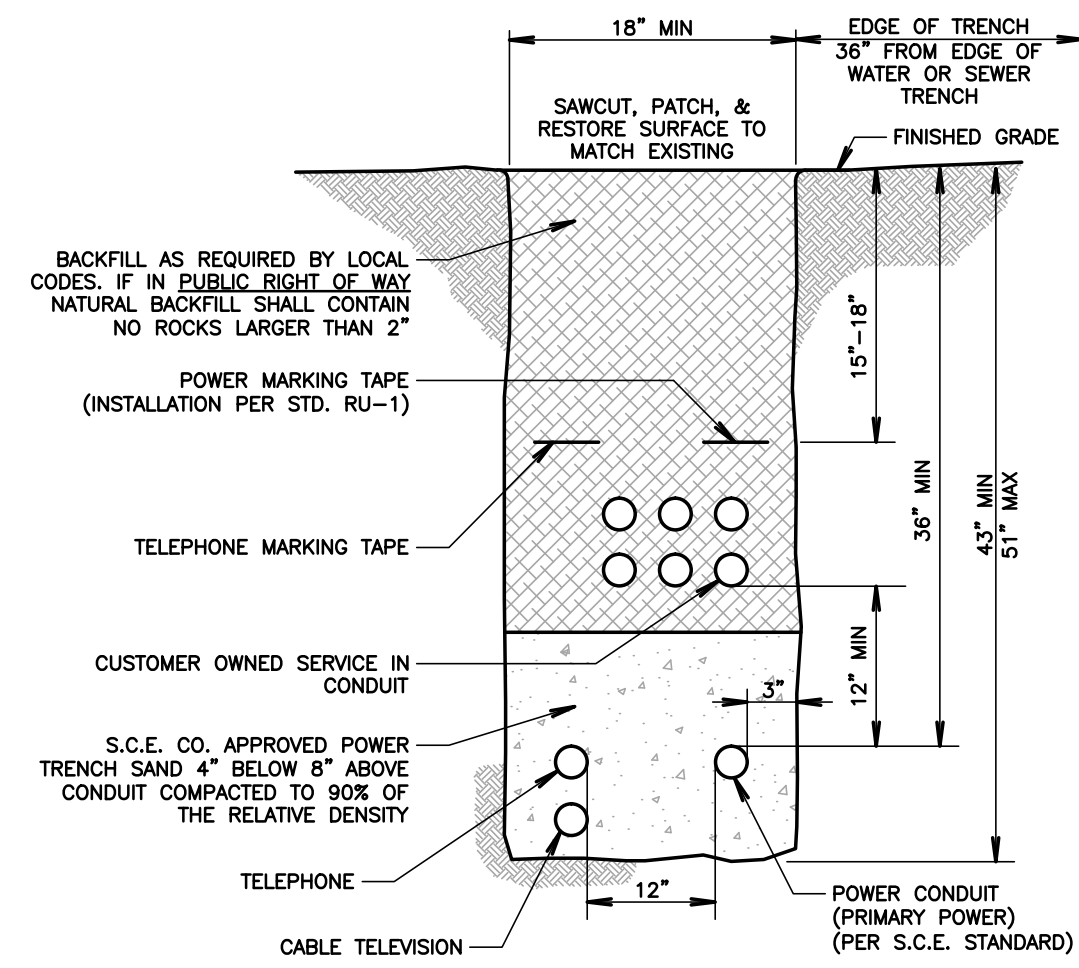
SHEET NUMBER:
E301

DATE:
 03/31/2021

1 PROPOSED SINGLE LINE DIAGRAM (MAIN SWITCHBOARD, "MSB")
 SCALE: NOT TO SCALE

DETAIL NOTES:

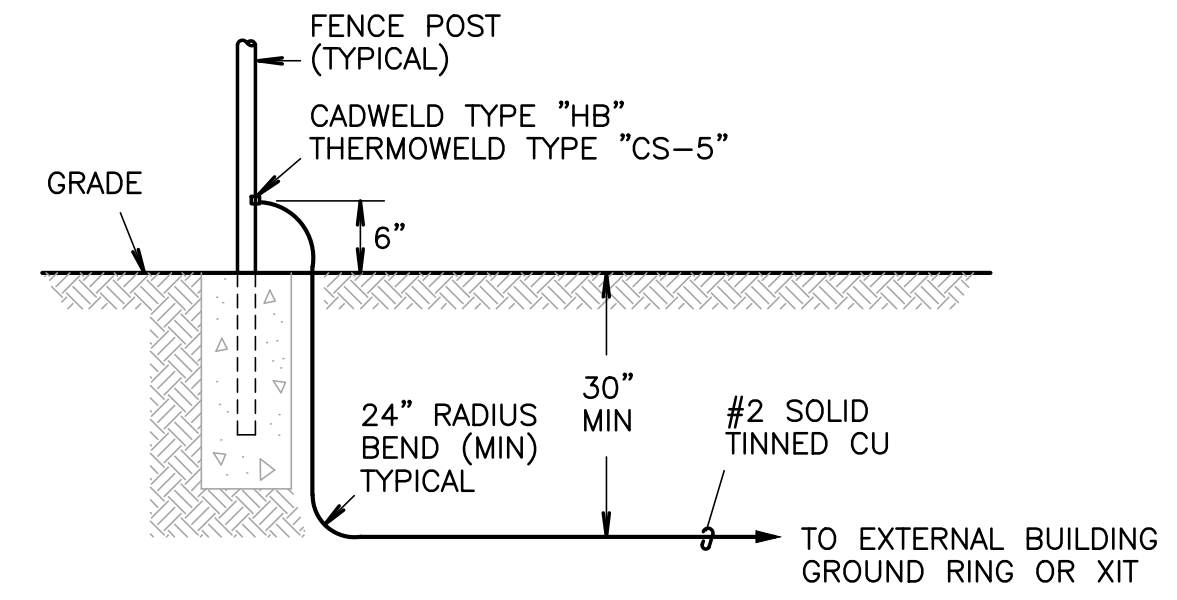
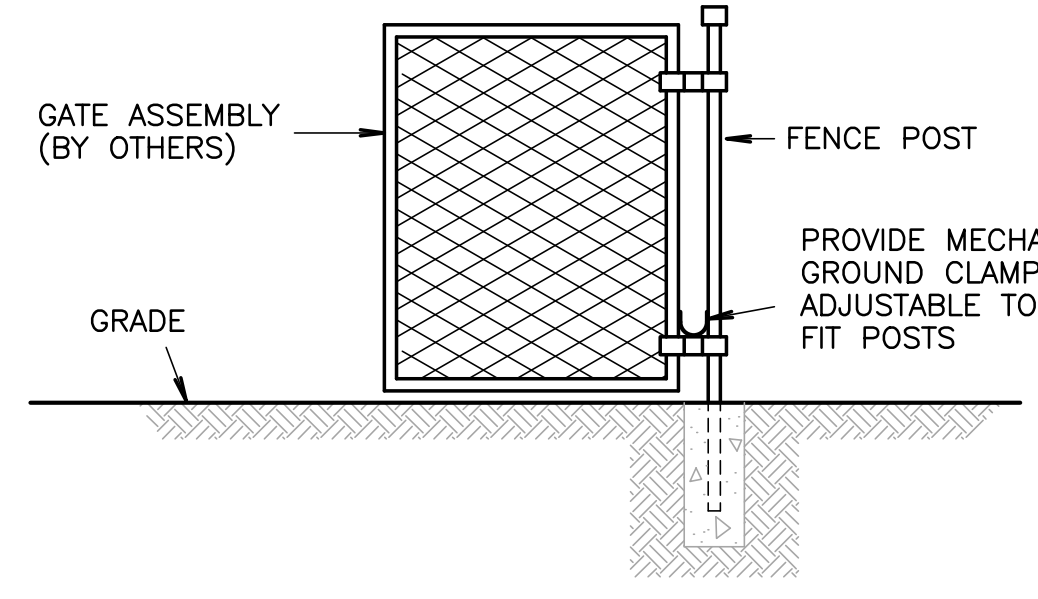
- TRENCH DEPTH SHALL BE 43" MIN. BELOW ELEVATION OF FINISHED GRADE.
- REFER TO S.C.E. U.G. STANDARD FOR INSTALLATION OF CONDUIT.
- FOR "SOLE USE" TRENCH WITH ONE CONDUIT ONLY, TRENCH WIDTH MAY BE REDUCED TO TWO TIMES THE NOMINAL DIAMETER OF THE CONDUIT, BUT IN NO CASE LESS THAN 6 INCHES.



NOTE: VERIFY & PROVIDE TRENCH AND DUCT BANK PER UTILITY COMPANY REQUIREMENTS AND APPROVED SCE COMPANY DRAWINGS.

NOTE: ALL WORK SHALL BE VERIFIED WITH SCE APPROVED CONSTRUCTION DRAWINGS. DETAIL SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL VERIFY AND PROVIDE ALL REQUIRED SCE WORK WITH SCE APPROVED CONSTRUCTION DRAWINGS.

9 TYPICAL SCE DUCT BANK DETAIL
NOT TO SCALE

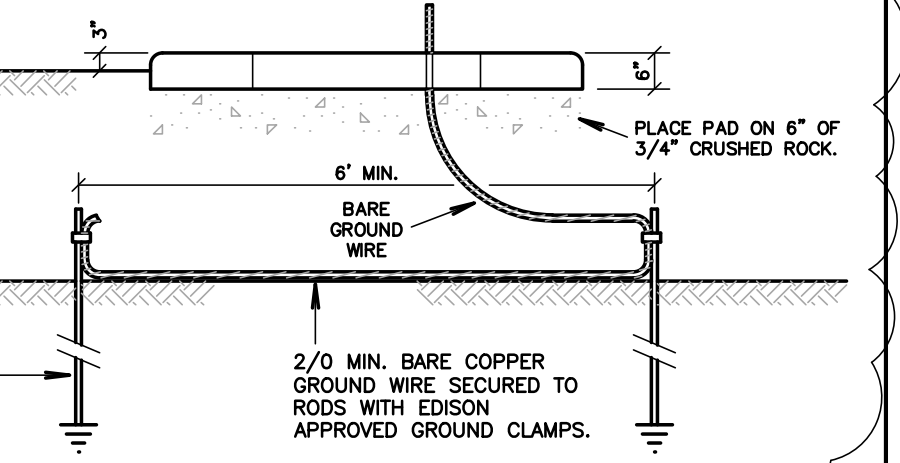
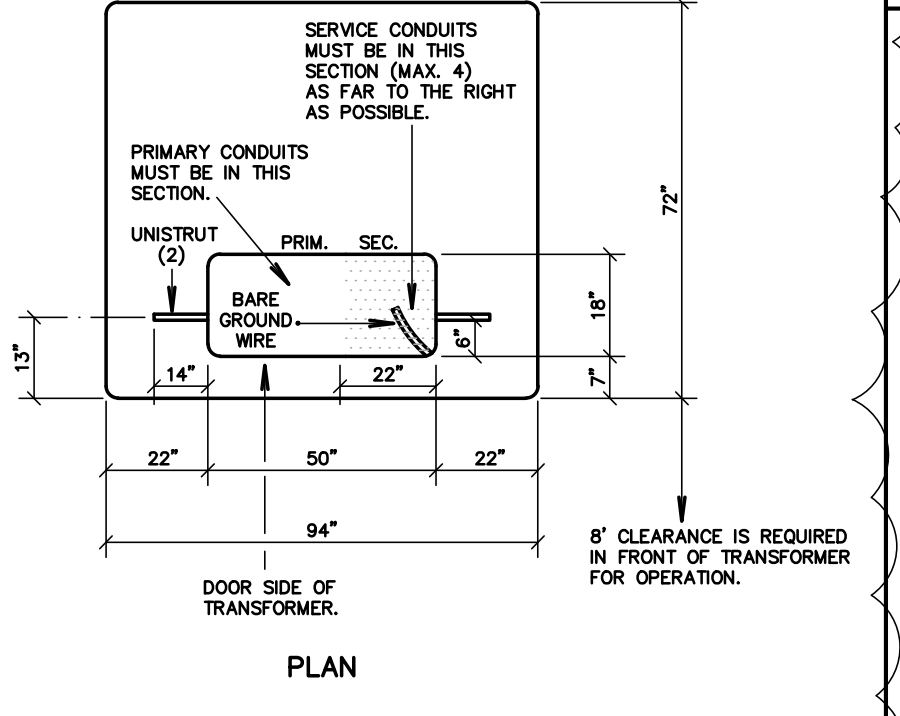


10 FENCE/GATE GROUNDING DETAILS
NOT TO SCALE

DETAIL NOTES:

- PAD OVERHANG TO REST ON UNDISTURBED EARTH OR WELL COMPACTED BACKFILL TO PREVENT FUTURE SUBSIDENCE.
- AN 8\"/>

72" x 94" PAD FOR SURFACE MOUNTED TRANSFORMER (30 - 75 THRU 500 KVA) (SWITCH AND FUSE)



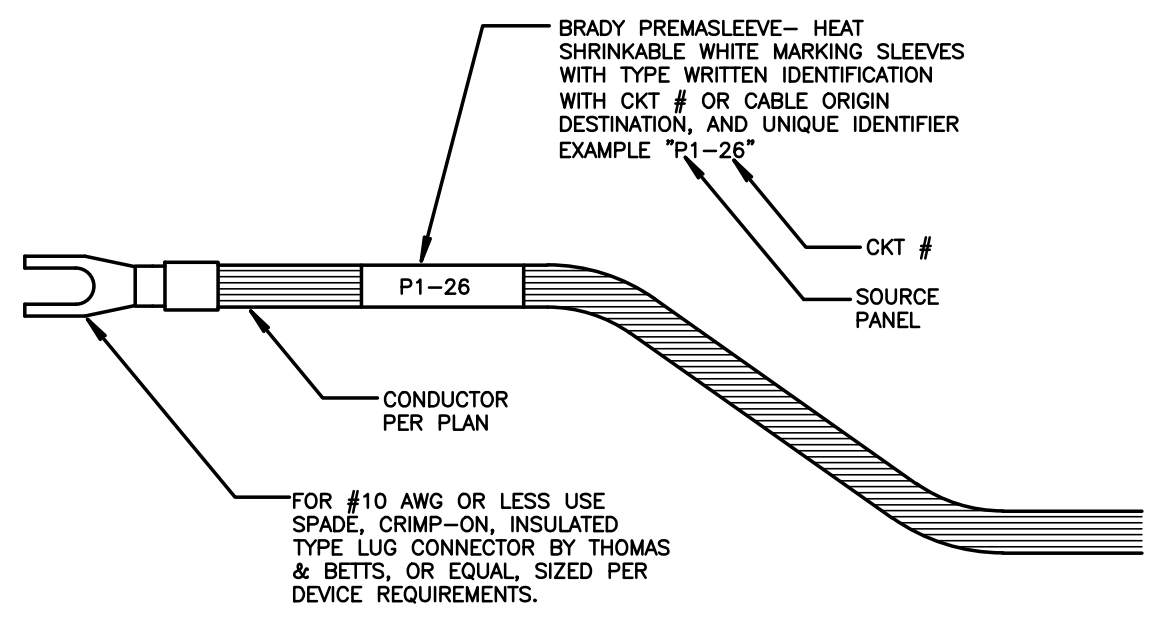
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NOTE: VERIFY AND PROVIDE PER UTILITY COMPANY REQUIREMENTS

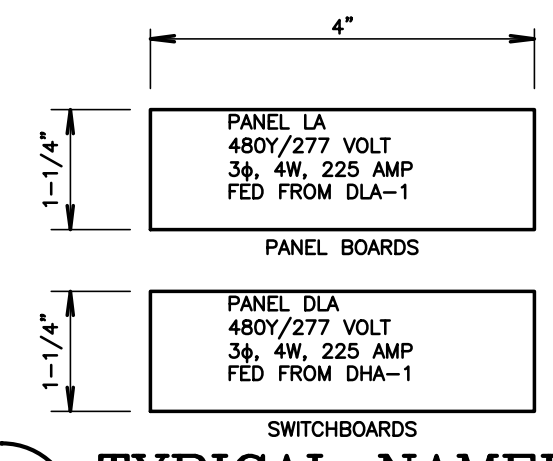
- PRE-CAST PAD**
- JENSEN PRECAST - PD7294-T6-11
 - UTILITY VAULT CO. - ED 7294-06TP

11 TYPICAL TRANSFORMER PAD DETAIL
NOT TO SCALE

NOTE: CONTRACTOR SHALL PROVIDE CONDUCTOR LABELING TO ALL POWER FEEDERS, BRANCH CIRCUITS, CONTROLS CIRCUITS, COMMUNICATIONS CABLES, FIRE ALARM CABLING, AND SECURITY SYSTEM CONDUCTORS.



5 TYPICAL LABELING DETAIL
SCALE: NOT TO SCALE

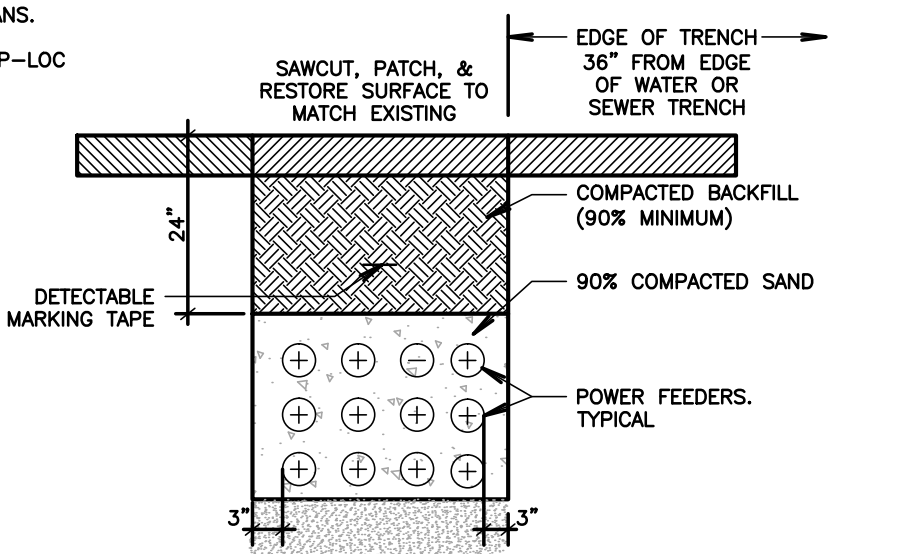


NOTE: CONTRACTOR SHALL PROVIDE NAMEPLATES ON ALL ELECTRICAL EQUIPMENT INCLUDING, BUT NOT LIMITED TO, PANELBOARDS, FEEDER BREAKERS, PULLBOXES, GENERATORS, TRANSFER SWITCHES, DISCONNECTS, ETC.

IDENTIFICATION SHALL MATCH PROJECT SPECIFIC DETAILS

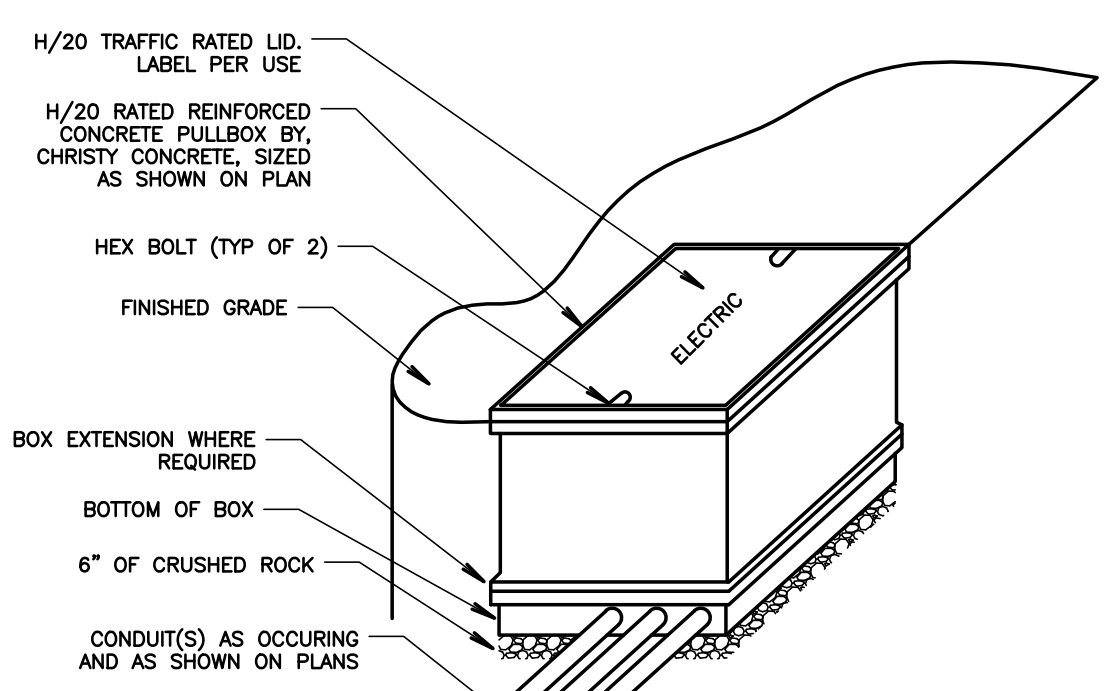
6 TYPICAL NAMEPLATE DETAILS
NOT TO SCALE

- NOTES:**
- CONDUIT QUANTITIES AS INDICATED ON PLANS.
 - ALL CONDUITS SHALL BE ON CARLON SNAP-LOC SPACERS - 8"-0" ON CENTER.

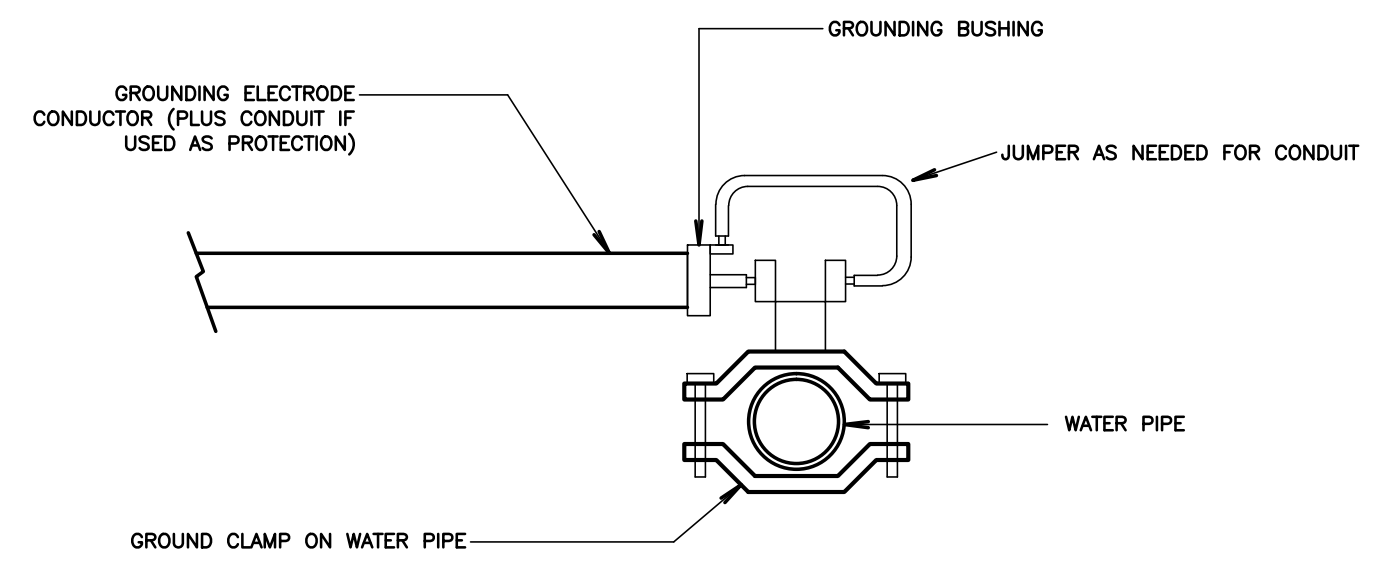


NOTE: THIS IS A TYPICAL DETAIL. REFER TO THE ELECTRICAL PLANS FOR QUANTITY AND SIZE OF UNDERGROUND CONDUITS AND FEEDERS.

7 TYPICAL DUCT BANK SECTION
SCALE: NOT TO SCALE

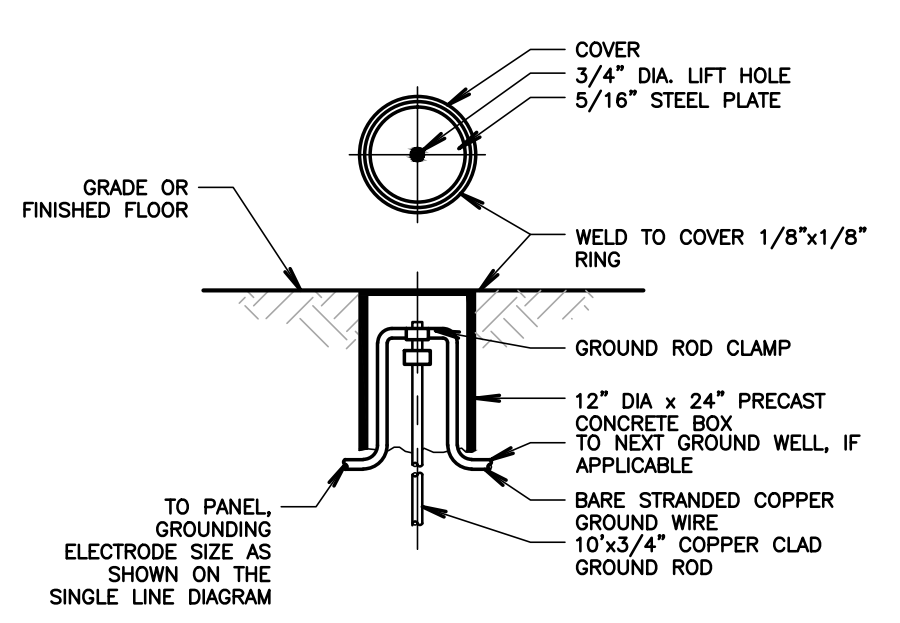


8 TYPICAL PULL BOX DETAIL
SCALE: NOT TO SCALE



- DETAIL NOTES**
- BOND METAL PIPING SYSTEMS AT EACH BUILDING PER NEC, ARTICLE 250 REQUIREMENTS.

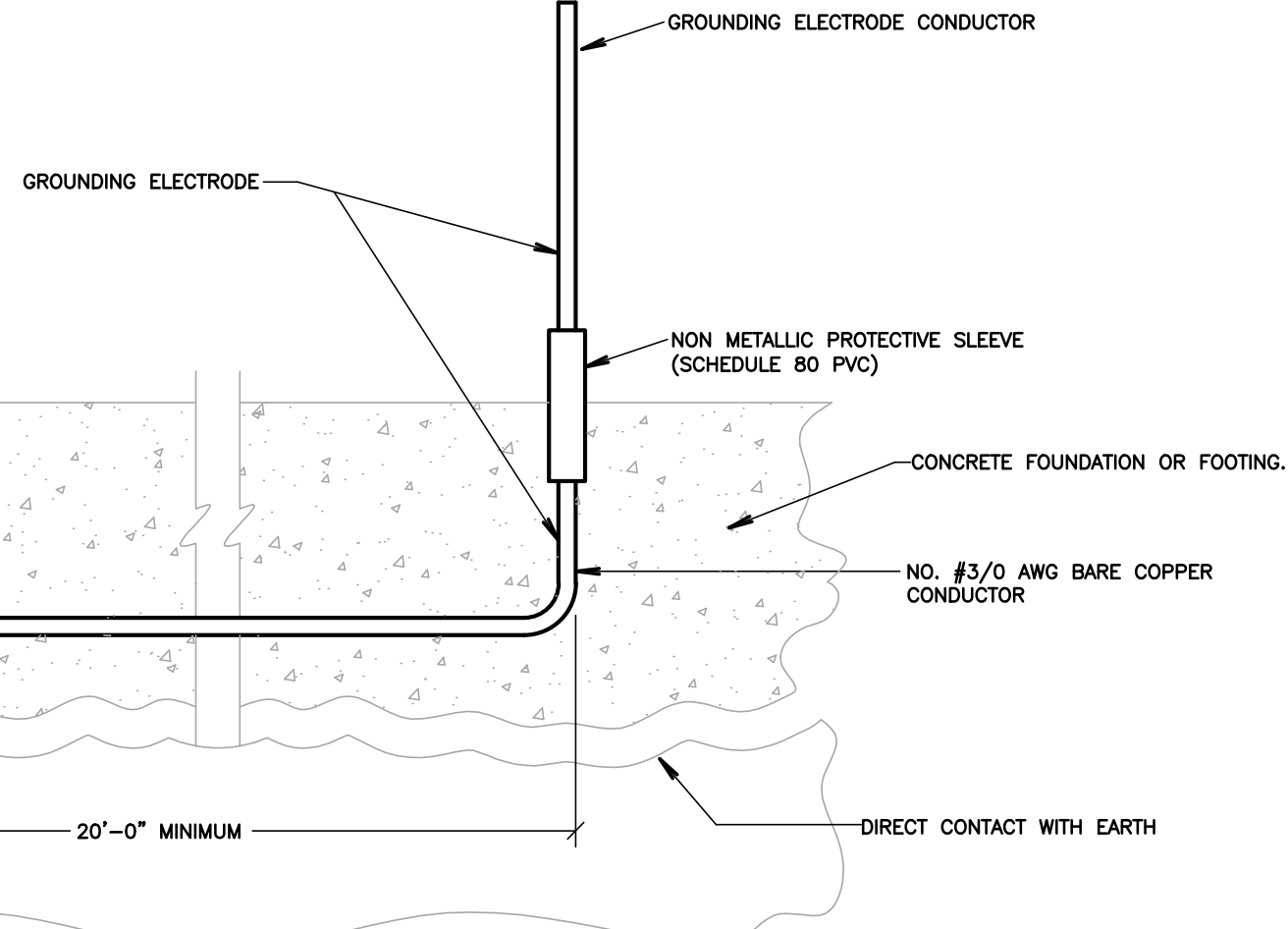
1 COLD WATER GROUND DETAIL
NOT TO SCALE



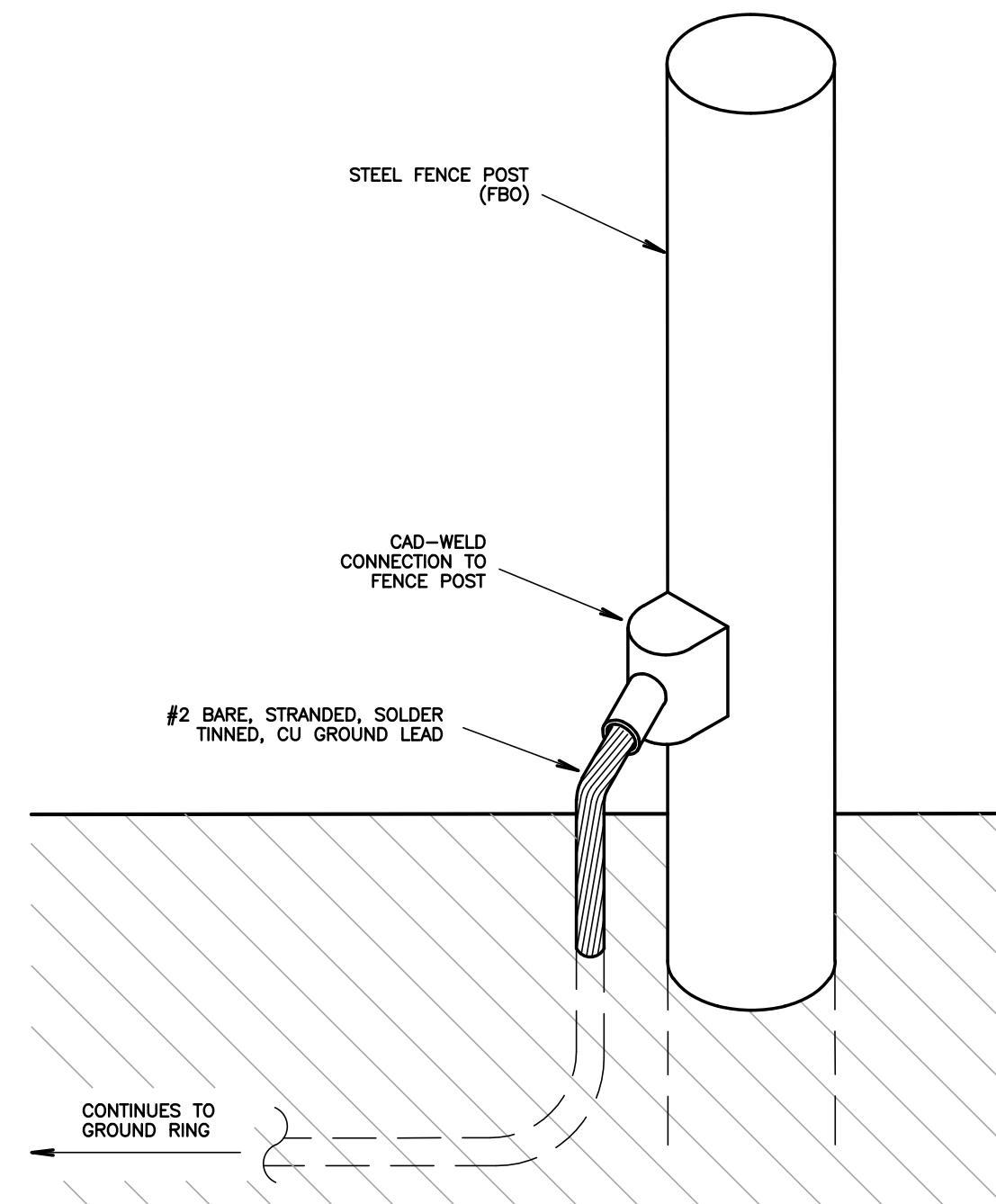
2 GROUND ROD DETAIL
SCALE: NOT TO SCALE

DETAIL NOTES

- CONCRETE-ENCASED ELECTRODE, AN ELECTRODE ENCASED BY AT LEAST TWO INCHES OF CONCRETE, LOCATED WITHIN AND NEAR THE BOTTOM OF CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH, CONSISTING OF AT LEAST 20 FEET OF BARE COPPER CONDUCTOR NOT SMALLER THAN NO. #3/0.
- PROVIDE UFER GROUND AT EACH BUILDING PER NEC ARTICLE 250 REQUIREMENTS.



3 UFER GROUND DETAIL
NOT TO SCALE



4 FENCE POST GROUNDING DETAIL
NOT TO SCALE

AGENCY APPROVAL:

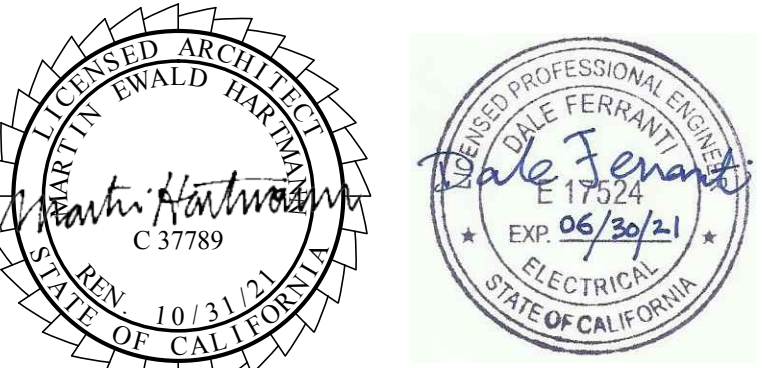


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ISSUE:	MARK:	DATE:	DESCRIPTION:
	1	04/30/21	ADDENDUM #1

PROJECT INFORMATION:
PROJECT NUMBER: 2020.011
PROJECT PHASE: 04CONDOC
DRAWN BY: D.F.
REVIEWED BY: D.F.

ELECTRICAL DETAILS

SHEET NUMBER:

E500

DATE:
03/31/2021