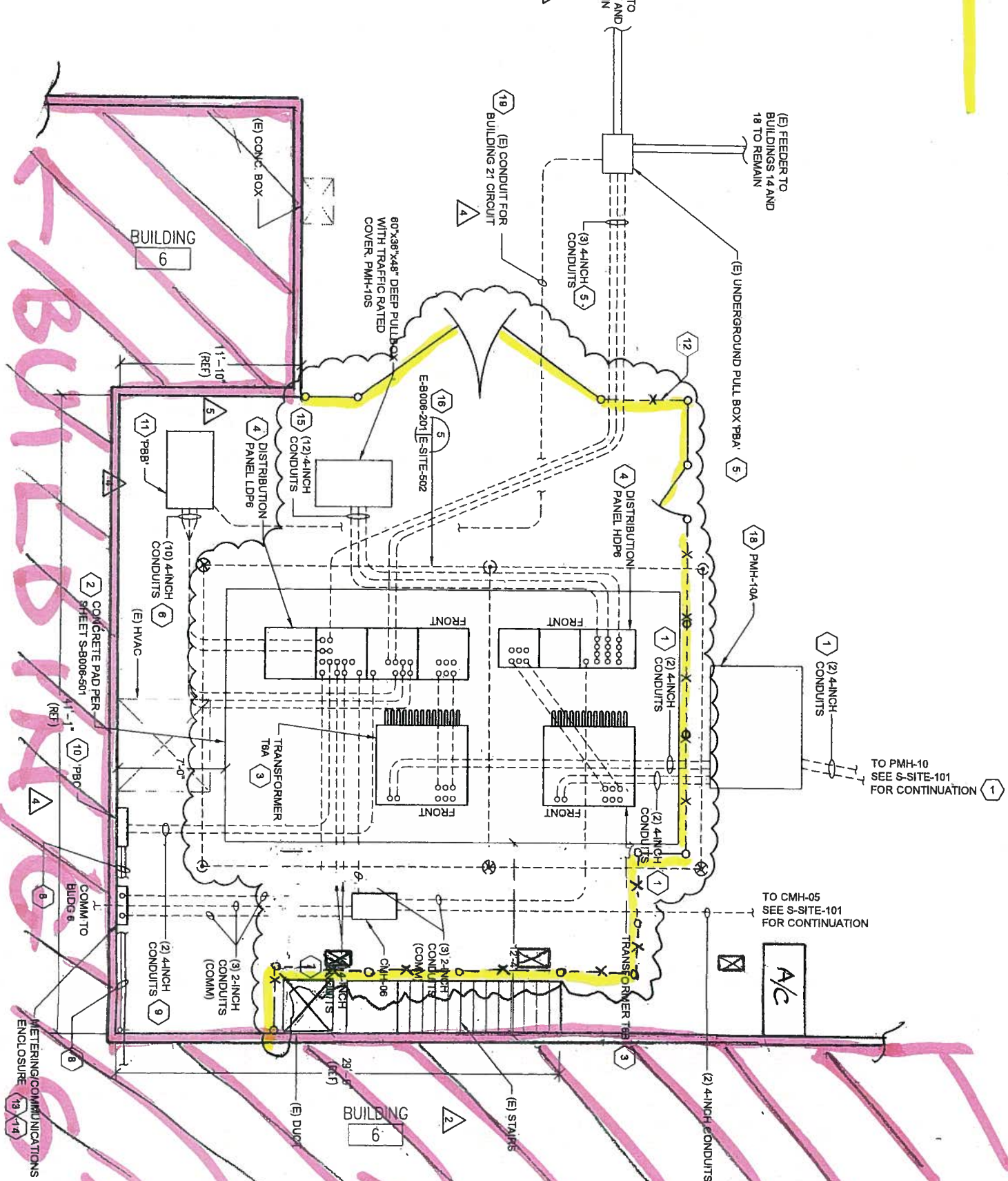




**Office of
Facilities
Management**

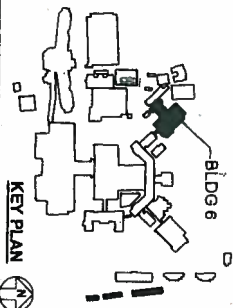
 Department of
Veterans Affairs

1. PROVIDE MEDIUM/VAZ TYPE PRIMARY FEEDERS TO PAD MOUNTED TRANSFORMERS T2A AND T2B AND FEEDER LOOP CIRCUIT AS INDICATED. SEE S-EITE-101 FOR CABLE SIZES.
2. PROVIDE A FLAT AND LEVEL CONCRETE PAD FOR TRANSFORMERS T2A AND T2B. SEE STRUCTURAL DETAILS FOR PAD DIMENSIONS, REINFORCEMENT AND UNDERDRAIN LOCATIONS.
3. PROVIDE A PAD-MOUNTED MEDIUM/VOLTAGE TRANSFORMER WITH A SPECIFIED 480V SELECTOR SWITCH AND PRIMARY FUSING AS SPECIFIED.
4. SEE SINGLE LINE DIAGRAMS FOR CABLE SIZING.
5. COME THROUGH (E) BUILDING EXTERIOR CONCRETE WALL, LOCATE CONES TO ENSURE CONDUIT RUNS ABOVE (E) INTERIOR SUSPENDED CEILING. VERIFY EXACT LOCATION IN FIELD.
6. STUB UP SECONDARY CONDUITS ADJACENT TO BUILDING EXTERIOR. RUN VERTICALLY TO 40-DEGREE ELBOW ALONG WALL, CONTINUE HORIZONTALLY UNTIL CONDUIT PENETRATES BUILDING. SEE BUILDING 2 ELECTRICAL ROOM LAYOUT PLANS FOR LOCATION, PROVIDE SUPPORTS FOR ALL CONDUITS ON BUILDING SURFACE.
7. COME THROUGH (E) BUILDING EXTERIOR AS SHOWN ON BUILDING 2 ELECTRICAL ROOM LAYOUT PLANS. VERIFY EXACT LOCATION IN FIELD. USE 1/2" CONDUIT BODY TO EXTEND CONDUIT INTO BUILDING INTERIOR. PROVIDE ALL NEW CABLES AS SHOWN ON SINGLE-LINE DIAGRAM.
8. PROVIDE (2) INDIVIDUAL, 14KV RATED NON-HUMIDIFIED LOAD-INTERRUPTING SWITCHES ON CONCRETE PAD, CONNECT SUCH THAT EACH SWITCH WILL OPEN ONE FEEDER CIRCUIT AS SHOWN ON SINGLE-LINE DIAGRAM. SEE STRUCTURAL DETAILS FOR PAD DIMENSIONS, REINFORCEMENT AND UNDERDRAIN LOCATIONS.
9. PROVIDE RIGID GALVANIZED STEEL CONDUITS ACROSS (E) INTERIOR BUILDING SPACE. PROVIDE CONDUIT MARKER TIES @ 8 FT INTERVALS WITH THE WORDS "HIGH VOLTAGE CABLES" ON CONDUITS CARRYING POWER CIRCUITS AND THE WORDS "COMM. CABLES" ON CONDUIT CARRYING COMM. CIRCUITS.
10. PROVIDE GROUNDING BUSB AROUND TRANSFORMERS. PROVIDE (2) GROUND LEADS TO EACH TRANSFORMER.
11. PROVIDE PRE-CAST REINFORCED CONCRETE ELECTRICAL VAULT FOR CONNECTION OF 14KV CABLES. CONCRETE EXACT LOCATION IN FIELD TO AVOID (E) SUBSURFACE AND EXPOSED SURFACE CONFLICTS. SEE ELECTRICAL DETAILS AND CIVIL SITE PLANS FOR ADDITIONAL INFORMATION.
12. PROVIDE AND INSTALL 4'-00" TALL CHAINLINK FENCE INCLUDING 16'-00" DOUBLE GATE AS INDICATED. PROVIDE GREEN COLOR VINYL FIBERGLASS SLATS IN CHAIN LINK FENCE.



ARCHITECT:

FENCE
LOCATION



SHEET GENERAL NOTES

1. FEDERAL OSHA SAFETY PROCEDURES, VA MEDICAL CENTER SAFETY PROCEDURES AND CORPS OF ENGINEERS SAFETY MANUAL, EM-385-1-1 SHALL BE FOLLOWED WHILE WORKING IN AND AROUND ALL 15-KV, 5-KV AND 600 VOLT SYSTEMS.
2. COORDINATE REMOVAL AND REPLACEMENT OF THE 15-KV SWITCHGEAR, 5-KV SUBSTATIONS AND 600-VOLT ELECTRICAL EQUIPMENT WITH THE U.S. ARMY CORPS OF ENGINEERS CONSTRUCTION MANAGER, CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR) AND VETERANS AFFAIRS MEDICAL CENTER (VAMC) ELECTRICAL MAINTENANCE SHOP SUPERVISOR.
3. REFER TO SPECIFICATION SECTION 0101, SUMMARY OF WORK FOR SUGGESTED SEQUENCE OF CONSTRUCTION.
4. ADDITIONAL DEMOLITION AND INSTALLATION INFORMATION FOR OTHER EQUIPMENT INCLUDING SWITCHGEAR, SWITCHBOARDS, PANELBOARDS, CABLES, CONDUITS, LIGHT FIXTURES, ETC. IS SHOWN ON OTHER DRAWINGS INCLUDED IN THIS SET.
5. APPLY ADHESIVE "ARC FLASH AND SHOCK HAZARD" WARNING LABELS PER NFPA 70E TO ALL ELECTRICAL ITEMS SUCH AS PANEL BOARDS, MOTOR CONTROLLERS (STARTERS), SAFETY SWITCHES, SEPARATELY ENCLOSED CIRCUIT BREAKERS, INDIVIDUAL CIRCUIT BREAKERS AND CONTROLLERS IN SWITCHBOARDS, SWITCHGEAR AND MOTOR CONTROL ASSEMBLIES, SUBSTATION EQUIPMENT, CONTROL DEVICES AND OTHER SIGNIFICANT EQUIPMENT. ARC FLASH IDENTIFICATION INFORMATION AND LABELS WILL BE PROVIDED BY COTR.
6. APPLY ADHESIVE MARKER TAPE TO THE FLOOR TO IDENTIFY CODE REQUIRED MINIMUM ACCESS AND WORKING SPACE IN FRONT OF ALL ELECTRICAL EQUIPMENT.
7. BOLD LINETYPE INDICATES NEW WORK.
8. CABLE LENGTHS SHOWN ARE ESTIMATES. TYP FIELD VERIFY PULLS BEFORE INSTALLATION. DO NOT SPLICE NEW CABLE PULLS.

KEYNOTES

1. PROVIDE MEDIUM VOLTAGE PRIMARY FEEDERS TO SUBSTATION TRANSFORMER T6A AND T6B. SEE SINGLE-LINE DIAGRAM FOR CABLE SIZES.
 2. PROVIDE A FLAT AND LEVEL CONCRETE PAD FOR ELECTRICAL EQUIPMENT. SEE STRUCTURAL DETAILS FOR PAD DIMENSIONS, REINFORCEMENT AND TURNDOWN LOCATIONS.
 3. PROVIDE PAD MOUNT MEDIUM VOLTAGE TRANSFORMER WITH PRIMARY AIR SELECTOR SWITCH AND PRIMARY FUSING AS SPECIFIED ON THE SINGLE-LINE DIAGRAM(S).
 4. PROVIDE DISTRIBUTION SWITCHBOARD AS SPECIFIED ON THE SINGLE-LINE DIAGRAM(S).
 5. PROVIDE FEEDER CONDUIT AND CABLE FOR (E) BUILDING 14, 17 AND 18 POWER. SPlice TO (E) FEEDER CABLES IN (E) UNDERGROUND PULL BOX. SEE SINGLE-LINE DIAGRAM FOR CABLE SIZES.
 6. PROVIDE SUB-FEEDER CONDUIT AND CABLE TO EXTEND (E) CONDUCTORS TO DISTRIBUTION PANEL DP6. SEE SINGLE-LINE DIAGRAM FOR CABLE SIZES.
 7. STUB OUT CONDUITS 5-FEET BEYOND EQUIPMENT PAD, CAP AND STAKE FOR FUTURE CONNECTION. SEE DETAIL 6, ON SHEET E-SITE-501.
 8. ONE (E) CONDUIT RUNS UP WALL TO MCC IN PENTHOUSE AND ANOTHER (E) CONDUIT PENETRATES WALL AND RUNS TO (E) PANEL ELG-1. BOTH CONDUITS TO REMAIN FOR RE-USE.
 9. INTERCEPT (E) SURFACE-MOUNTED CONDUIT ON BUILDING EXTERIOR, CUT 8-INCH DEEP TRENCH IN (E) CONCRETE AND EXTEND CONDUIT TO PULLBOX AS SHOWN. PROVIDE ALL NEW CONDUCTORS BETWEEN PULLBOX AND PANEL DP6.
 10. SPlice BOX, 30" W x 30" H x 8" D. NEMA 3R CONSTRUCTION. MAKE CONNECTIONS FOR HVAC MCC AND PANEL ELG-1 IN CARPENTERS SHOP.
 11. PROVIDE 36-INCH x 24-INCH SHEET METAL PULLBOX NEMA 3R ADJACENT TO (E) NC-1200 ENCLOSURE.
 12. NOT USED.
 13. PROVIDE METERING AND COMMUNICATION CABINET, MINIMUM 24-INCH BY 24-INCH BY 8-INCH DEEP. NEMA 3R WITH HINGED FRONT COVER, INCLUDING METER EQUIPMENT COMPATIBLE NETWORK HUB AND NETWORK ADAPTER, TERMINAL BLOCKS, POWER SUPPLY, UPS, CONNECTORS, MOUNTING HARDWARE AND ALL APPURTENANCES FOR A FULLY OPERATIONAL SYSTEM.
 14. PROVIDE POWER WIRING, INTERCONNECTION WIRING AND COMMUNICATIONS CABLE TO CONNECT THE METER AND MONITORING DEVICES TO THE NETWORK ADAPTER LOCATED IN THE METERING AND COMMUNICATIONS CABINET.
 15. PROVIDE EMPTY CONDUITS WITH PULL STRING FOR FUTURE CONNECTIONS.
 16. PROVIDE GROUNDING RING AROUND ELECTRICAL EQUIPMENT PAD. PROVIDE TWO (2) GROUND LEADS TO EACH UNIQUE PIECE OF EQUIPMENT.
 17. (NOT USED).
 18. PROVIDE TYPICAL ELECTRICAL VAULT FOR SPlicing AND PULLING OF 18KV CABLES. SEE DETAIL 29E-SITE-511.
 19. INTERCEPT (E) UNDERGROUND CONDUIT FOR BUILDING 21 CIRCUIT AND RE-ROUTE TO PULL BOX PP8. PROVIDE AND INSTALL (N) CABLES BETWEEN PANEL LDPE CIRCUIT BREAKER AND PULLBOX PBA AND SPICE IN PBA.
 20. PROVIDE AND INSTALL 8-FOOT TALL CHAIN LINK FENCE INCLUDING 3-FOOT MAN GATE AND 16-FOOT DOUBLE GATE AS INDICATED. PROVIDE GREEN COLOR VINYL/FIBERGLASS SLATS IN CHAIN LINK FENCE.

**SUBSTATION LAYOUT PLAN
(SUBSTATION T-6 AND T-14)**

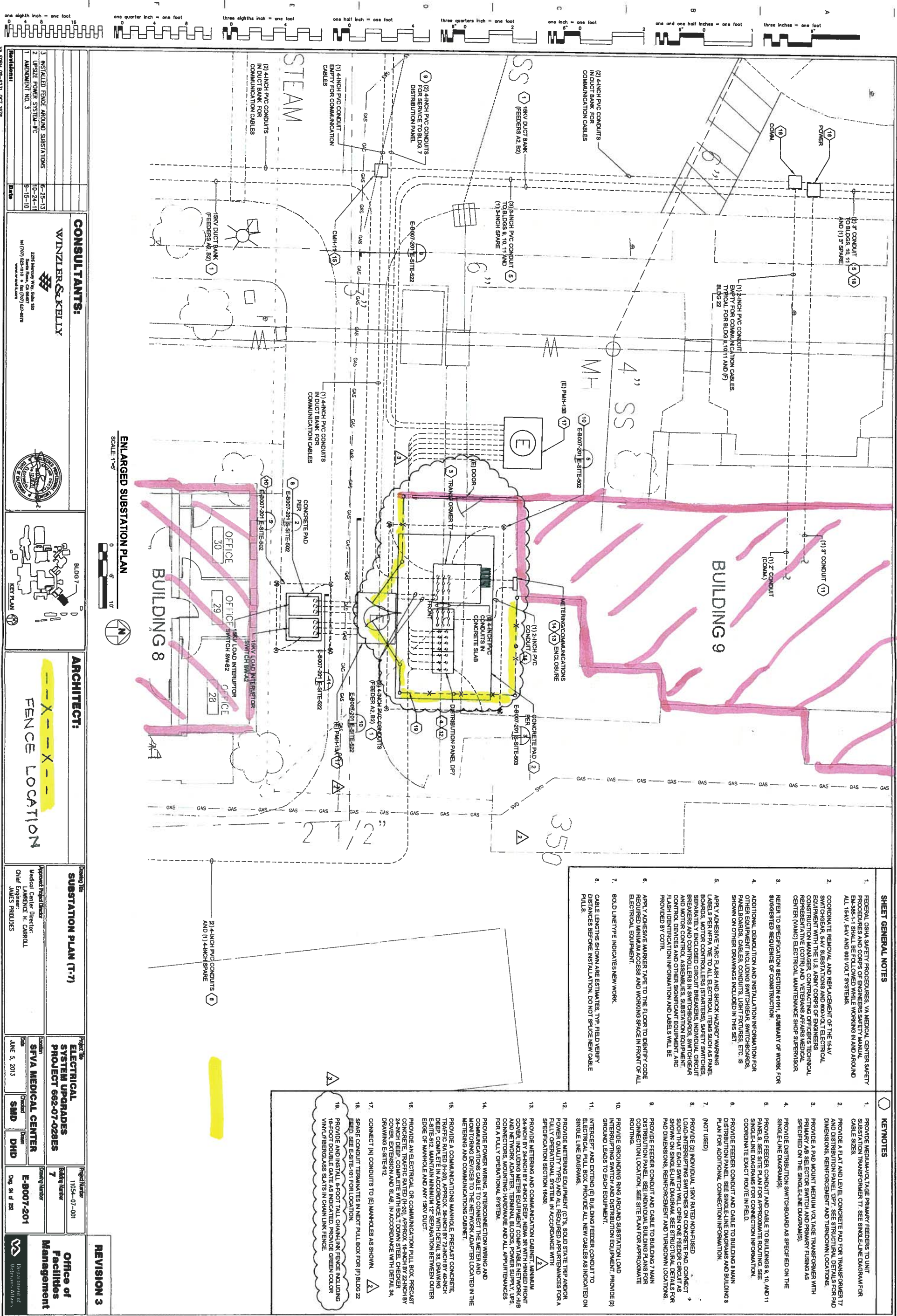
Approved: Project Director
Medical Center Director:
LAWRENCE H. CARROLL
Chief Engineer:
JAMES PRIDLUDES

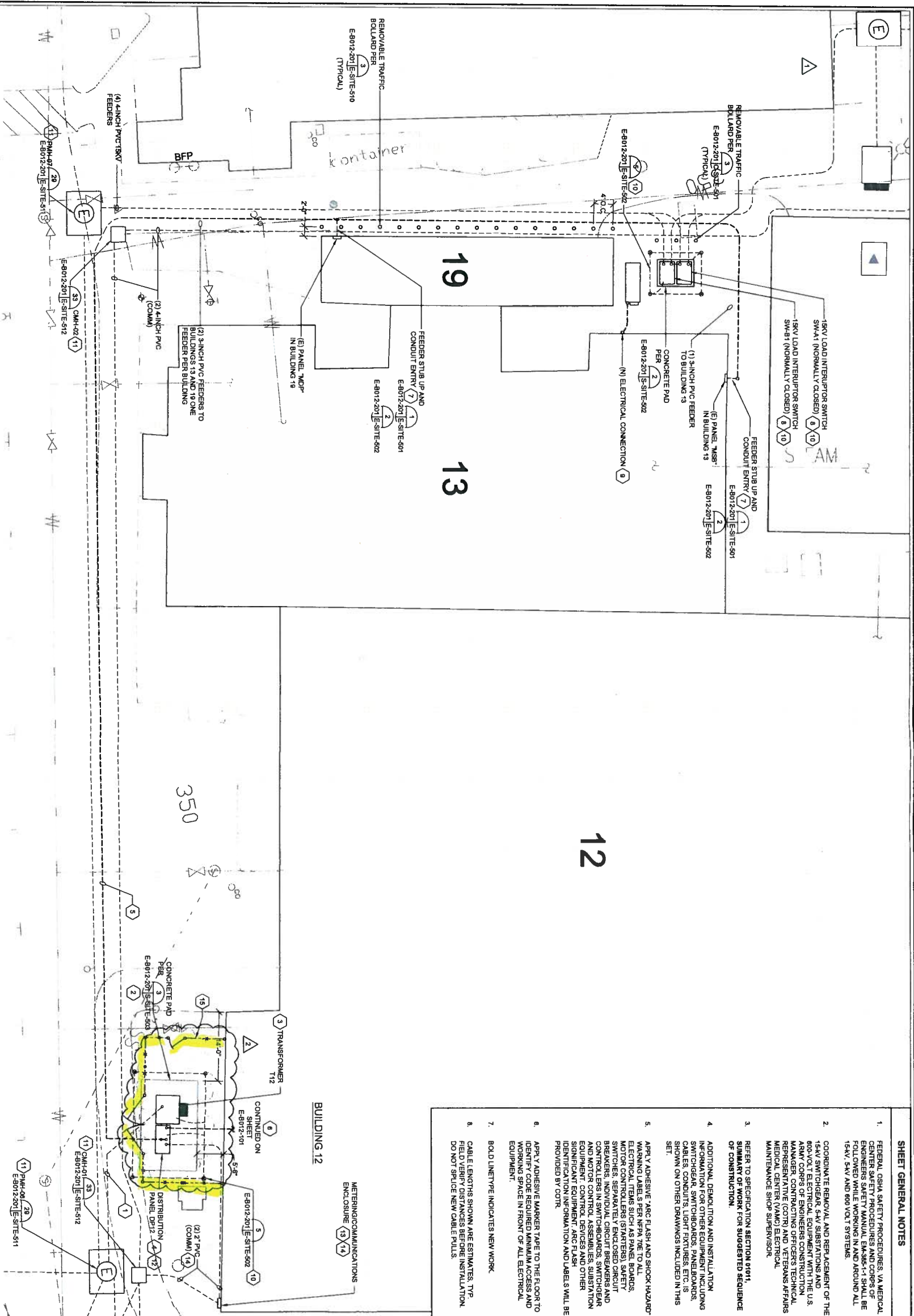
**ELECTRICAL
SYSTEM UPGRADES
PROJECT 662-07-028ES**

Project Number
11054-07-001

E-B006-201

Dmg. 86 of 292





SHEET GENERAL NOTES		KEYNOTES	
1.	FEDERAL GSA SAFETY PROCEDURES, VA MEDICAL CENTER SAFETY PROCEDURES AND CORPS OF ENGINEERS SAFETY MANUAL, EM-385-1-1 SHALL BE FOLLOWED WHILE INSTALLING AND REMOVING ALL 15KV, 5KV, AND 600 VOLT SYSTEMS.	1.	PROVIDE 15KV FEEDER CABLES TO UNIT SUBSTATION TRANSFORMER T12. SEE SINGLE-LINE DIAGRAM FOR CONDUIT AND CABLE SIZES.
2.	COORDINATE REMOVAL AND REPLACEMENT OF THE 15KV SWITCHGEAR, PUMP SUBSTATIONS, AND 600-VOLT ELECTRICAL EQUIPMENT WITH THE U.S. ARMY CORPS OF ENGINEERS CONSTRUCTION MANAGERS, CONTRACTING OFFICERS' TECHNICAL REPRESENTATIVE (COTR) AND VETERANS AFFAIRS MEDICAL CENTER (VAMC) ELECTRICAL MAINTENANCE SHOP SUPERVISOR.	2.	PROVIDE A FLAT AND LEVEL CONCRETE PAD FOR TRANSFORMER T12 AND TRANSFORMER PANEL DP-2. SEE STRUCTURAL DETAILS FOR PAD DIMENSIONS, REINFORCEMENT AND TIEDOWN LOCATIONS.
3.	REFER TO SPECIFICATION SECTION 09011, SUMMARY OF WORK FOR SUGGESTED SEQUENCE OF CONSTRUCTION.	3.	PROVIDE PAD MOUNT LIQUID FILLED TRANSFORMER WITH PRIMARY AS SELECTOR SWITCH AND PRIMARY FUSING AS SPECIFIED.
4.	ADDITIONAL DEMOLITION AND INSTALLATION WORK HAS BEEN ORDERED TO BE COMPLETED INCLUDING SWITCHGEAR, SWITCHBOARDS, PANEL BOARDS, CABLES, CONDUITS, LIGHT FIXTURES, ETC., IS SHOWN ON OTHER DRAWINGS INCLUDED IN THIS SET.	4.	PROVIDE DISTRIBUTION SWITCHBOARD AS SPECIFIED.
5.	APPLY ADHESIVE "ARC FLASH AND SHOCK HAZARD" WARNING LABELS PER NFPA 70E TO ALL ELECTRICAL ITEMS SUCH AS PANEL BOARDS, MOTOR CONTROL DEVICES (STARTERS), SAFETY SWITCHES, SWITCHBOARDS, BREAKERS, CIRCUIT BREAKERS AND CONTROLLERS, INDIVIDUAL CIRCUIT BREAKERS AND CONTROLLERS IN SWITCHBOARDS, SWITCHGEAR AND MOTOR CONTROL ASSEMBLIES, SUBSTATION EQUIPMENT, EQUIPMENT, DEVICES AND OTHER IDENTIFIED EQUIPMENT. ARC FLASH INFORMATION AND LABELS WILL BE PROVIDED BY COTR.	5.	PROVIDE FEEDER CONDUITS AND CABLE TO BUILDING 13 AND BUILDING 19 MAIN DISTRIBUTION PANELS. SEE BUILDING PARTIAL PLANS FOR DETAILS. COORDINATE EXACT ROUTE IN FIELD.
6.	APPLY LENGTHS SHOWN ARE ESTIMATES. TYP. FIELD VEHICULAR DISTANCES BEFORE INSTALLATION. DO NOT SPlice NEW CABLE PILLS.	6.	PROVIDE CONDUITS AND CABLE TO BUILDING 12 MAIN DISTRIBUTION PANELS. SEE DRAWING E-8012-101 FOR ROUTING AND CONNECTION LOCATION.
7.	BOLD LINE TYPE INDICATES NEW WORK.	7.	STUB UP FEEDER AS CLOSE TO BUILDING AS POSSIBLE. COORDINATE THE FIELD (E) AND (S) EXACT LOCATION IN FIELD. USE 1" CONDUIT BODY TO EXTEND CONDUIT INTO REAR OF (E) PANEL. PROVIDE ALL NEW CABLES AS SHOWN ON SINGLE LINE DIAGRAM.
8.	CABLE LENGTHS SHOWN ARE ESTIMATES. TYP. FIELD VEHICULAR DISTANCES BEFORE INSTALLATION. DO NOT SPlice NEW CABLE PILLS.	8.	PROVIDE TWO (2) INDIVIDUAL, 15KV RATED NONSPARKING LOAD-INTERLUPING SWITCHES ON CONCRETE PAD. CONNECT SUCH THAT EACH SWITCH WILL OPEN ONE FEEDER CIRCUIT AS SHOWN ON SINGLE-LINE DIAGRAM. SEE STRUCTURAL DETAILS FOR PAD DIMENSIONS, REINFORCEMENT AND TIEDOWN LOCATIONS.
9.	EXTEND AND RECONNECT (E) ELECTRICAL SERVICE TO RELOCATED CHILLER UNIT. SEE MECHANICAL PLANS.	9.	PROVIDE GROUNDING RING AROUND ELECTRICAL EACH.
10.	APPLY ADHESIVE "ARC FLASH AND SHOCK HAZARD" WARNING LABELS PER NFPA 70E TO ALL ELECTRICAL ITEMS SUCH AS PANEL BOARDS, MOTOR CONTROL DEVICES (STARTERS), SAFETY SWITCHES, SWITCHBOARDS, BREAKERS, CIRCUIT BREAKERS AND CONTROLLERS, INDIVIDUAL CIRCUIT BREAKERS AND CONTROLLERS IN SWITCHBOARDS, SWITCHGEAR AND MOTOR CONTROL ASSEMBLIES, SUBSTATION EQUIPMENT, EQUIPMENT, DEVICES AND OTHER IDENTIFIED EQUIPMENT. ARC FLASH INFORMATION AND LABELS WILL BE PROVIDED BY COTR.	10.	PROVIDE PRE-CAST REINFORCED CONCRETE ELECTRICAL WALL* FOR THE 15KV CABLES AND COMMUNICATION CONDUITS. COORDINATE EXACT
11.	APPLY LENGTHS SHOWN ARE ESTIMATES. TYP. FIELD VEHICULAR DISTANCES BEFORE INSTALLATION. DO NOT SPlice NEW CABLE PILLS.	11.	

CONSULTANTS: WINZLER & KELLY  2225 Saratoga Way, Suite 150 Santa Rosa, CA 95407 Tel (707) 531-0079 www.w-k.com			
ARCHITECT:  BLOOD 12 KEY PLAN			
Substation Title SUBSTATION PLAN (T-12)		Project Title ELECTRICAL SYSTEM UPGRADES PROJECT 662-07-0228ES	
Approved Project Director Medical Center Director: LAWRENCE H. CARROLL Chief Engineer: JAMES FRIEDLIES		Location SFVA MEDICAL CENTER	
Date JUNE 5, 2013		Overhead SMD	
Drawings Number E-B012-201		Revised Number 12	
Page Day 110 of 282		Project Number 11054-07-001	
 Department of Veterans Affairs Office of Facilities Management			

1. FEDERAL OSHA SAFETY PROCEDURES, VA MEDICAL CENTER SAFETY PROCEDURES AND CORPS OF ENGINEERS SAFETY MANUAL EM-385-1-1 SHALL BE FOLLOWED WHILE WORKING IN AND AROUND ALL 15-KV, 5-KV AND 800 VOLT SYSTEMS.

2. COORDINATE REMOVAL AND REPLACEMENT OF THE 15-KV SWITCHGEAR, 480-V SUBSTATIONS AND 600-VOLT ELECTRICAL EQUIPMENT WITH THE U. S. ARMY CORPS OF ENGINEERS CONSTRUCTION BAWABER, CONTRACTING OFFICERS TECHNICAL CENTER (MAMC) ELECTRICAL MAINTENANCE SHOP SUPERVISOR.
3. REFER TO SPECIFICATION SECTION 0415, SUMMARY OF WORK FOR SUGGESTED SEQUENCE OF CONSTRUCTION.
4. ADDITIONAL, DETAIL AND INSTALLATION INFORMATION FOR OTHER EQUIPMENT INCLUDING SWITCHGEAR, SWITCHBOARDS, PANELBOARDS, CABLES, CONDUITS, LIGHT FIXTURES, ETC. IS SHOWN ON OTHER DRAWINGS INCLUDED IN THIS SET.
5. APPLY ADHESIVE TAPE TO FLASH AND SHOCK HAZARD WARNING LABELS PER NFPA 70C TO ALL ELECTRICAL ITEMS SUCH AS PANELBOARDS, MOTOR CONTROLLERS (STARTERS), SAFETY SWITCHES, SEPARATELY ENCLOSED CIRCUIT BREAKERS, INDIVIDUAL CIRCUIT BREAKERS, TRANSFORMERS, TRANSFORMER TAP CHANGERS, AND MOTOR CONTROL ASSEMBLIES. SUBSTATION EQUIPMENT AND CONTROL DEVICES AND OTHER SIGNIFICANT EQUIPMENT, ARC FLASH IDENTIFICATION INFORMATION AND LABELS WILL BE PROVIDED BY CORP.

6. APPLY ADHESIVE MARKER TAPE TO THE FLOOR TO IDENTIFY CODE REQUIRED MINIMUM ACCESS AND WORKING SPACE IN FRONT OF ALL ELECTRICAL EQUIPMENT.
7. BOLD UNITYPE INDICATES NEW WORK
8. CABLE LENGTHS SHOWN ARE ESTIMATES. TYP. FIELD VERIFY DISTANCES BEFORE INSTALLATION. DO NOT SPICE NEW CABLE PULLS.

1. NOT USED.

1. NOT USED.
2. STUB UP CONDENSATS ALONG RETAINING WALL TO BE FITTINGS - HEIGHT TO MATCH DEPTH OF DUCT BANK. CORE DRILL THROUGH RETAINING WALL AND ROUTE CONDENSATS INTO DUCTBANK.
3. PROVIDE SWITCHBOARD AND AMP AS INDICATED ON SINGLE LINE DIAGRAM. EXTEND (E) CIRCUITS FROM (E) PANEL, ADPT TO (N) SWITCHBOARD.
4. PROVIDE DISTRIBUTION SWITCHBOARD AS SPECIFIED ON SINGLE LINE DIAGRAM. PROVIDE METTERING EQUIPMENT (CTS, SOLID STATE TYPE AND/OR POWER QUALITY TYPE) AND ALL REQUIRED APPURTENANCES FOR A FULLY OPERATIONAL SYSTEM ACCORDANCE WITH SPECIFICATION SECTION 16400.
5. BE CAREFUL (E) PARKING LOT LIGHT FIXTURES AND POLE TO CLEAR (N) TRANSFORMER PAD AND VULIT. PROVIDE (N) POLYURETHANE AND EXTEND (E) CIRCUIT TO NEW LOCATION AND RECONNECT.

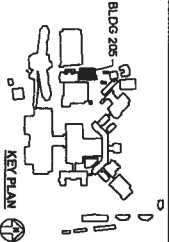
6. PROVIDE PAD-MOUNTED MEDIUM VOLTAGE TRANSFORMER AS SHOWN ON SINGLE-LINE DIAGRAM.
7. INTERCEPT AND EXTEND (E) CIRCUITS IN J-BOX TO (N) MEP LOCATION.
8. CORE THROUGH (E) CONCRETE WALL AS REQUIRED TO PASS (N) 4" CONDUITS AS SHOWN.
9. PROVIDE METERING AND COMMUNICATION CABINET, MINIMUM 18" HIGH, 18" DEEP, 24" WIDE. PROVIDE 18" MINIMUM RADIUS CORNER INCLUDING ALL OTHER EQUIPMENT CONNECTED NETWORK RACKS AND NETWORK ADDRESS TERMINAL BLOCKS, POWER SUPPLY, UPS, CONNECTORS, MOUNTING HARDWARE, AND ALL APPURTENANCES FOR A FULLY OPERATIONAL SYSTEM.

10. PROVIDE POWER WIRING, INTERCONNECTION WIRING AND DEVICES TO ATTACHABLE THE METER AND METERING DEVICES TO ATTACHABLE THE METER AND METERING AND COMMUNICATIONS CABINET.
11. PROVIDE GROUNDING RING AROUND TRANSFORMER PAD. PROVIDE:
 12. GROUND AND METAL IN FOOT-LINK CHAIN-LINK FENCE INCLUDING 4-INCH-ODD RIGID SLATS IS INDICATED PROVIDE GREEN COLORED FIBERGLASS SLATS IN CHAIN-LINK FENCE



WINZLER & KELLY

- | | |
|------------|--|
| Revisions: | 4 INSTALLED FENCE AROUND SUBSTATIONS
3 RECONNECT PANEL HDQ2 TO PANEL MDPI
2 UPSIZE POWER SYSTEM-IFC
1 AMENDMENT NO. 3 |
|------------|--|



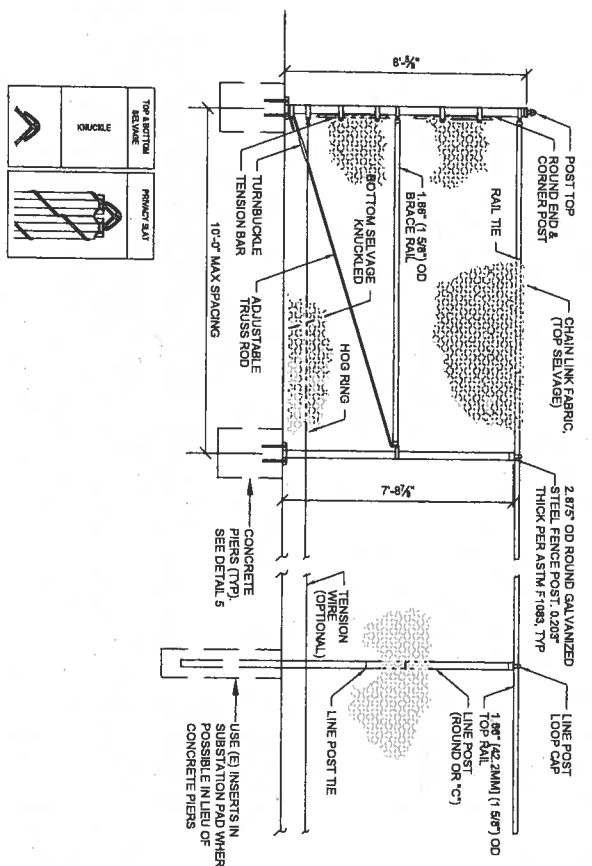
FENCE LOCATION

SUBSTATION PLAN (T-205)

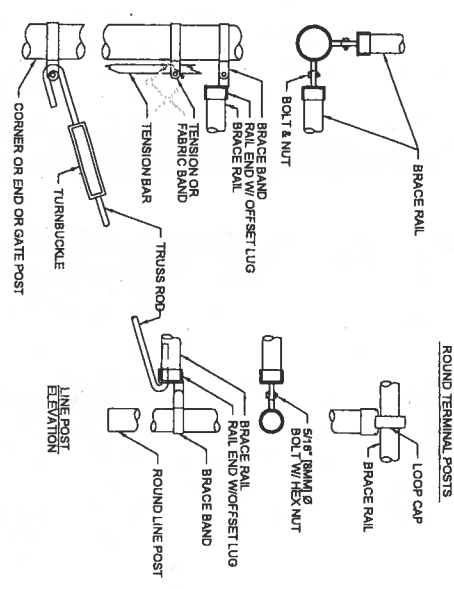
Project Title	
ELECTRICAL SYSTEM UPGRADES PROJECT 662-07-028ES	
Location	
SFVA MEDICAL CENTER	
Date	Checked
JUNE 5, 2013	SMD
	Drawn
	CA

Project Number 11054-07-001	Building Number 206	Drawing Number E-B206-20	Day 208 of 202
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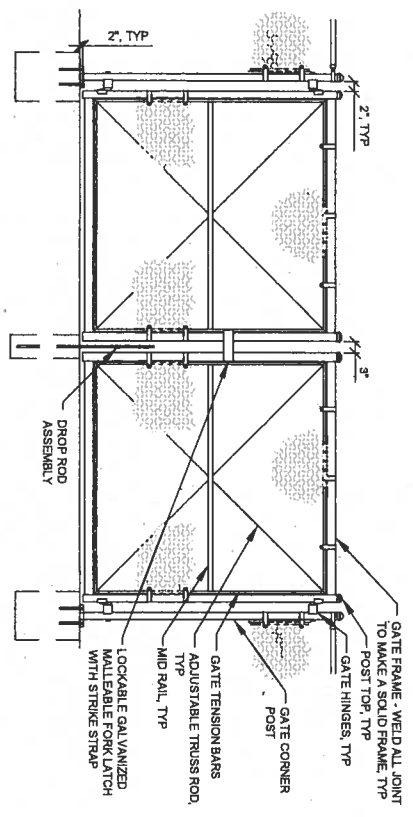
**Office of
Facilities
Management**



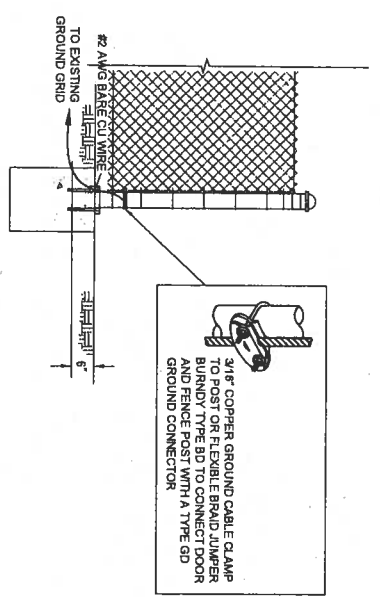
1 FENCE SECTION ELEVATION - ROUND END POSTS
E-SITE-523 SITE-523 NTS



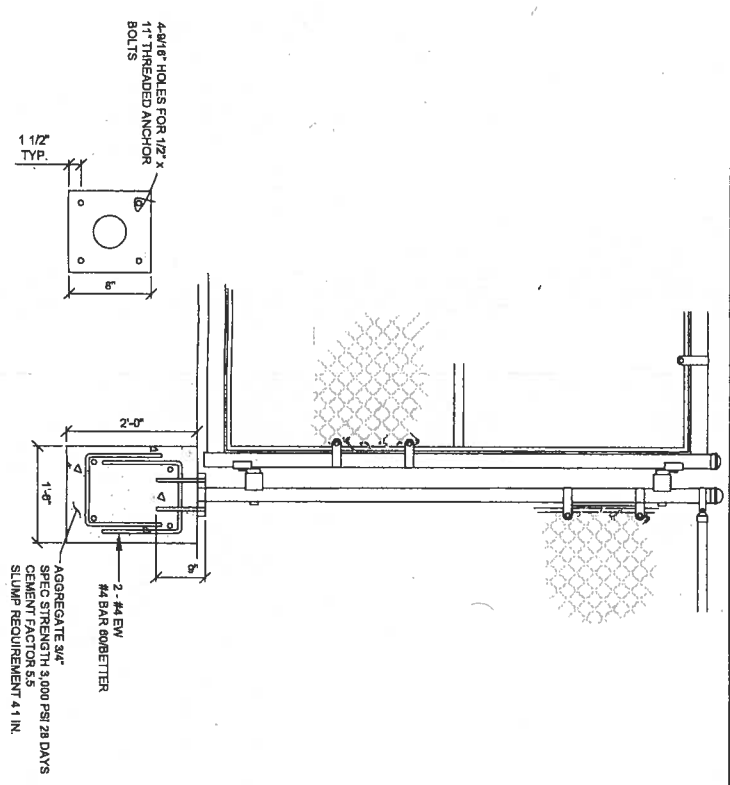
2 END, CORNER OR GATE POST ELEVATION
E-SITE-523 SITE-523 NTS



3 GATE SECTION ELEVATION - ROUND END POSTS
E-SITE-523 SITE-523 NTS



4 TYPICAL CORNER AND FENCE GATE GROUNDING
E-SITE-523 SITE-523 NTS



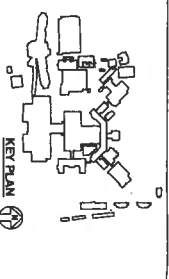
5 FENCE CONCRETE PIER DETAIL
E-SITE-523 SITE-523 NTS

REVISIONS		
1	INSTALLED FENCE AROUND SUBSTATIONS	5-25-13

CONSULTANTS:

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ARCHITECT:

Design Title

FENCE DETAILS

Approved Project Director
Medical Center Director:
LAWRENCE H. CARROLL
Chief Engineer:
JAMES PROUDLES

Project Title	Project Number
ELECTRICAL SYSTEM UPGRADES PROJECT 662-07-02BES	11054-07-001
Location	Building Number
STVA MEDICAL CENTER	SITE
Date	Drawing Number
JUNE 5, 2013	E-SITE-523
Checked	Design
SMD	NWV
Date	Doc. No. of Rev.
	28

Office of Facilities Management

Department of Veterans Affairs

REVISION 1

