



200 E STREET, SANTA ROSA, CA 95404
619.698.9177 | www.coargroup.com

CLOVERDALE VETERANS BUILDING GENERATOR

205 W 1ST STREET, CLOVERDALE, CA 95425

REVIEWED FOR CODE COMPLIANCE

PERMIT SONOMA
BUILDING PLAN CHECK

Date Stamped 9/12/2025

Permit # BLD24-2003.R01

Plans Examiner Paul Marquez

The reviewed and approved plans shall be printed and provided as a job site copy for the inspector.

THE BUILDER/CONTRACTOR SHALL NOT DEVIATE FROM THESE REVIEWED AND APPROVED PLANS.

APPROVAL OF THESE PLANS IS SUBJECT TO COMPLIANCE WITH ALL CODE REQUIREMENTS, SPECIAL INSPECTIONS WHEN REQUIRED, AND ALL REQUIRED FIELD INSPECTIONS, CODES.

PROJECT:

COUNTY OF SONOMA

CLOVERDALE VETERANS BUILDING GENERATOR

205 W 1ST STREET, CLOVERDALE, CA 95425



DESCRIPTION:

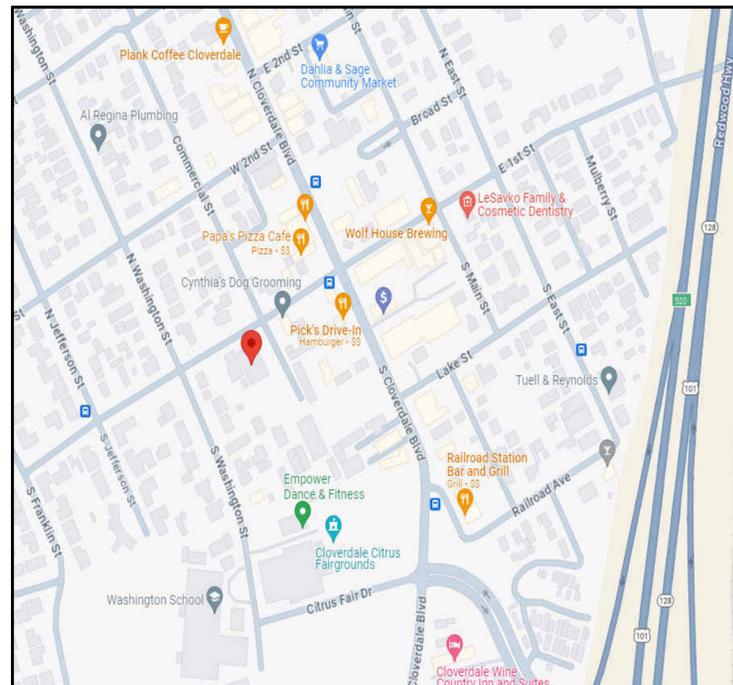
30% DESIGN DEVELOPMENT 2/14/2024

100% CONST. DOCUMENTS 3/25/2024

REVISIONS 1 5/22/2024

100% CONSTRUCTION DOCUMENTS 8/11/2025

LOCATION MAP



VICINITY MAP



PROJECT DATA

PERMIT APPLICANT: COAR DESIGN GROUP ON BEHALF OF THE COUNTY OF SONOMA

PROJECT ADDRESS: 205 W 1ST STREET, CLOVERDALE, CA 95425

LEGAL DESCRIPTION: ASSESSOR'S PARCEL NO. 001-122-025

GOVERNING CODES: 2022 CALIFORNIA BUILDING CODE
2022 CALIFORNIA FIRE CODE
2022 CALIFORNIA ENERGY CODE
2022 CALIFORNIA GREEN BUILDING STANDARDS
2022 CALIFORNIA ELECTRICAL CODE
2022 CALIFORNIA MECHANICAL CODE
2022 CALIFORNIA PLUMBING CODE
2022 CALIFORNIA EXISTING BUILDING CODE

BUILDING AREA: 6,926 SF

SITE AREA: 1.43 ACRES

GOVERNING AGENCY: COUNTY OF SONOMA

SCOPE OF WORK

SCOPE OF WORK: INSTALLATION OF A NATURAL GAS POWERED GENERATOR WITH A BATTERY ENERGY STORAGE SYSTEM (BESS), BACK UP STORAGE SYSTEM.

DEFERRED SUBMITTALS

1. GENERATOR
2. BESS (BACK UP BATTERY SYSTEM)

PROJECT TEAM

ARCHITECTURE
COAR DESIGN GROUP
200 E STREET
SANTA ROSA, CA 95404
(619) 698-9177 / (619) 698-9178 (FAX)
Contact: JEFF KATZ, AIA
jeff@coargroup.com

PLUMBING
LEFLER ENGINEERING, INC.
1651 SECOND STREET
SAN RAFAEL, CA 94901
(415) 456-4220
Contact: TREVOR LEFLER
HYPERLINK@leflerengineering.com

OWNER
COUNTY OF SONOMA
2300 COUNTY CENTER DRIVE, SUITE A220
SANTA ROSA, CA 95403
707-565-1366
Contact: MARK ABEL
HYPERLINK@sonoma-county.org

ELECTRICAL
OMAHONY & MYER
4340 REDWOOD HWY., SUITE 245
SAN RAFAEL, CA 94903
415-492-0420
Contact: PIETER COLENBRANDER
HYPERLINK@omahonyandmyer.com

PROJECT NUMBER:

231103

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1

Date Stamped: 9/12/2025 Permit #: BLD24-2003.R01
 REVIEWED FOR CODE COMPLIANCE - PERMIT SONOMA - BUILDING PLAN CHECK
 APPROVED PLANS AND DOCUMENTS TO BE AVAILABLE ON THE JOB SITE
 BUILDER SHALL NOT DEVIATE FROM THE APPROVED PLANS. REQUESTS FOR CHANGES SHALL BE MADE IN WRITING TO THE ARCHITECT PRIOR TO CONSTRUCTION. CHANGES MADE WITHOUT PRIOR APPROVAL OF THE ARCHITECT WILL BE AT THE BUILDER'S RISK AND WITHOUT REIMBURSEMENT. PLEASE READ ALL PERTINENT SECTIONS OF APPLICABLE CODES.

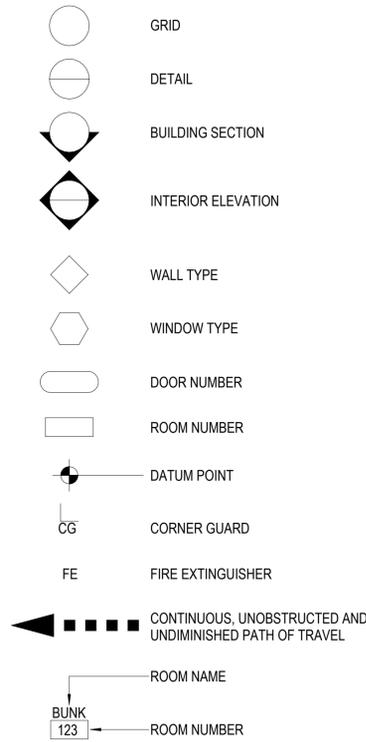
ABBREVIATIONS

Ø	FOUND of NUMBER	M.O.	MASONRY OPENING
#	AND	MMX	MASONRY
Λ	AT	MC	METAL COPING
⊖	ANGLE	MECH	MECHANICAL
⊕	DIAMETER of ROUND	MFR	MANUFACTURER
A	ALUMINUM	MIN	MINIMUM
ACOUS	ACOUSTICAL	MISC	MISCELLANEOUS
ACT	ACOUSTICAL CEILING TILE	MRF	METAL ROOF PANEL
AD	ACCESS DOOR WITH FRAME	MTL	METAL
ALUM	ALUMINUM	MWP	METAL WALL PANEL
APP	APPROXIMATE	N	NEW
ARCH	ARCHITECTURAL	(N)	NOT IN CONTRACT
AS	ACOUSTICAL SEALANT	N.C.	NOT TO SCALE
ASB	ACOUSTICAL SUSPENDED Baffles	N.T.S.	NOT TO SCALE
B	BRICK	O	ON CENTER
BLDG	BUILDING	O.C.	OVERHEAD DOOR
BLK	BLOCK	OP	OPERABLE PANEL PARTITION
BLDG	BELONGING	P	PAINT
BM	BEAM	PL	PLASTIC LAMINATE
C	COLUMN COVER	PLY	PLYWOOD
CFB	CEMENT FIBER BOARD SIDING	PS	PROJECTION SCREEN
CJ	CONTROL JOINT	PVC	POLYVINYL CHLORIDE MEMBRANE ROOFING
CLG	CEILING	Q	QUARTZ
CLR	CLEAR	R	ROUGH OPENING
CNC	CONCRETE MASONRY UNIT	R.O.	ROUGH OPENING
CNT	CONTINUOUS	RAD	RADIUS
CP	CEMENT PLASTER	REF	REFERENCE
CPT	CARPET	REFR	REINFORCED
CW	CURTAIN WALL	REQ	REQUIRED
CWP	COMPOSITE METAL WALL PANEL	RM	ROOM
D	DOUBLE	RMT	RUBBER MAT
DEFS	DIRECT APPLIED EXTERIOR FINISH SYSTEM	RP	ROOF PAVERS
DET	DETAIL	S	STUCCO
DN	DOWN	SCHED	SCHEDULE
DN	DRAWING	SF	SQUARE FEET
DWR	DRAWER	SFRM	SPRAYED FIRE-RESISTANT MATERIAL
E	EXISTING	SFT	STOREFRONT
EA	EACH	SM	SMALL
EFS	EXTERIOR INSULATION AND FINISH SYSTEM	SJ	SEISMIC JOINT
EJ	EXPANSION JOINT	SM	SHEET METAL
ELEC	ELECTRICAL	SPC	SPECIFICATION
ELEV	ELEVATOR OR ELEVATION	SQ	SQUARE
EQ	EQUAL	SS	STAINLESS STEEL
EXP	EXPOSED STRUCTURE	ST	STAIN
EXT	EXTERIOR	STA	STATION
F	FABRIC	STD	STANDARD
FE	FIRE EXTINGUISHER	STL	STEEL
FEC	FIRE EXTINGUISHER CABINET	STN	STONE
FEE	FINISH FLOOR ELEVATION	STOR	STORAGE
FHC	FIRE HOSE CABINET	STRUC	STRUCTURAL
FL	FLOOR	SUSP	SUSPENDED
FP	FLAG POLE	SYM	SYMMETRICAL
FRP	FIBERGLASS REINFORCED PANEL	T	TILE
FS	FIRESTOP SYSTEM	T&G	TONGUE AND GROOVE
FT	FOOT & FEET	T.O.	TOP OF
FTG	FOOTING	T.O.C.	TOP OF CONCRETE
G	GAUGE	T.O.F.	TOP OF FRAMING
GALV	GALVANIZED	T.O.M.	TOP OF MASONRY
GB	GYPSON BOARD	T.O.P.	TOP OF PARAPET
GBT	GYPSON BOARD TRIM	T.O.S.	TOP OF SHEATHING
GF	GLAZING FILM	T.V.	TELEVISION
GFRG	GLASS FIBER REINFORCED CONCRETE	TA	TOILET ACCESSORIES
GFRG	GLASS FIBER REINFORCED GYPSON	TC	TOILET COMPARTMENTS
GL	GLAZING	TEL	TELEPHONE
GRT	GROUT	TG	TEMPERED GLASS
H	HEIGHT	TPO	THERMOPLASTIC ROOF MEMBRANE
HB	HOSE BBB	TS	TRANSITION STRIP
HM	HOLLOW METAL	TYP	TYPICAL
HORIZ	HORIZONTAL	U	UNLESS OTHERWISE NOTED
I	INSULATION	U.O.N.	UNLESS OTHERWISE NOTED
INT	INTERIOR	V	VERTICAL
J	JOINT SEALANT	V.F.	VERIFY IN FIELD
JS	JOINT SEALANT	V.R.	VENT THRU ROOF
K	KNEX BOX	VERT	VERTICAL
L	LOOKER TYPE AND COLOR	VT	VINTL TILE
LAV	LAVATORY	W	WITH
LD	LOADING DOCK EQUIPMENT	WO	WITHOUT
LF	LIGHT FIXTURE	WB	WALL BASE
LV	LOUVER	WC	WATER CLOSET
LVT	LUXURY VINYL TILE	WCR	WALL COVERING
M		WD	WOOD
		WF	WOOD FLOORING
		WM	WALK-OFF MAT
		WPU	WEAKENED PLANE JOINT

GENERAL NOTES

- 1.1 THE CONSTRUCTION, REMODEL, OR DEMOLITION OF A BUILDING SHALL COMPLY WITH THE REQUIREMENTS OF COUNTY OF SONOMA
- 1.2 THESE PLANS AND ALL WORK SHALL COMPLY WITH THE CALIFORNIA BUILDING STANDARDS CODE FOUND IN THE STATE OF CALIFORNIA TITLE 24 OCR, AS AMENDED AND ADOPTED BY THE COUNTY OF SONOMA
- 1.4 DIMENSIONS SHOWN ON THE FLOOR PLANS, SECTIONS AND DETAILS ARE TO FACE OF STUDS, COLUMN GRID LINES AND FACE OF CONCRETE AND BLOCK WALLS, UNLESS OTHERWISE NOTED OR SHOWN.
- 1.5 BRAND OR TRADE NAME, SUBSTITUTIONS OF "EQUALS": REQUESTS FOR SUBSTITUTIONS OF AN ITEM AS AN "EQUAL" TO ANY ITEM INDICATED OR SPECIFIED MUST BE INCLUDED AS A PART OF THE CONTRACTOR'S BID PROPOSAL, AS SPECIFIED IN THE GENERAL CONDITIONS.
- 1.6 CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE PROCEEDING WITH CONSTRUCTION.
- 1.7 WRITTEN DIMENSIONS TAKE PRECEDENCE OVER GRAPHIC SCALE. DO NOT SCALE DRAWINGS.
- 1.8 CONTRACTOR SHALL THOROUGHLY COORDINATE ALL TRADES AS REQUIRED TO COMPLETE ALL WORK INDICATED AND NECESSARY FOR THE PROJECT.
- 1.9 CONTRACTOR SHALL PROTECT EXISTING SITE FEATURES AND SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED DURING CONSTRUCTION.
- 1.10 THE CONTRACTOR SHALL ENFORCE ALL SAFETY MEASURES. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATION.
- 1.11 CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- 1.12 WORK NOT SPECIFICALLY INDICATED OR SPECIFIED BUT WHICH IS REQUIRED FOR THE COMPLETION OF THE WORK SHALL BE PROVIDED IN THE SAME MANNER AS SIMILAR WORK WHICH IS REQUIRED OR SPECIFIED WITHOUT ADDITIONAL CHARGE.
- 1.13 ALL ITEMS ARE BASE BID UNLESS OTHERWISE NOTED OR SPECIFIED.
- 2.1 IT SHOULD BE NOTED THAT WHILE EXISTING UTILITY DRAWINGS ARE AVAILABLE, THERE IS NO ASSURANCE THAT ALL UTILITIES ARE SHOWN. THE CONTRACTOR SHALL PROCEED WITH CAUTION TO INSURE THAT ALL UTILITIES ENCOUNTERED, WHETHER OR NOT OF RECORD, SHALL BE PROTECTED FROM DAMAGE. THE CONTRACTOR SHALL ALSO TAKE PRECAUTIONS NECESSARY TO PROTECT HIMSELF AND ALL EMPLOYEES FROM INJURY WHICH MAY BE CAUSED BY CONTACT WITH UTILITY SERVICES.
- 2.2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND / OR BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYOR'S ACT.
- 2.3 STRUCTURAL AND FIRE RESISTIVE INTEGRITY SHALL BE MAINTAINED AT PENETRATIONS FOR MECHANICAL, PLUMBING, ELECTRICAL, AND COMMUNICATIONS PIPE, DUCT AND CONDUIT AS INDICATED.
- 2.4 PENETRATION OF FIRE RESISTIVE WALLS, FLOOR - CEILING ASSEMBLIES AND ROOF - CEILINGS SHALL BE PROTECTED AS REQUIRED IN CBC SECTION 712 AND 713.
- 2.5 STUCCO, PLASTER AND GYPSON BOARD SHALL TERMINATE WITH A "J" MOLDING WHERE THE EDGE IS EXPOSED UNLESS NOTED OR SPECIFIED OTHERWISE.
- 2.6 GYPSON BOARD FOR FIRE RATED ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH CBC CHAPTER 7.
- 2.7 INTERIOR FINISHES SHALL COMPLY WITH THE PROVISIONS OF CBC CHAPTER 8.
- 2.8 NO HAZARDOUS MATERIALS WILL BE USED OR STORED WITHIN THE BUILDING IN EXCESS OF THE QUANTITIES SHOWN ON CBC TABLE 5003.1.1.

SYMBOLS



SHEET INDEX

T-1	TITLE SHEET
T-2	TITLE SHEET
A1.0	DEMOLITION SITE PLAN
A1.1	SITE PLAN
A1.2	SITE PLAN - ENLARGED
A1.3	SITE DETAILS
A2.1	FIRST FLOOR PLAN
P101	PLUMBING SITE PLAN
P501	PLUMBING LEGEND AND DETAILS
P701	PLUMBING SPECIFICATIONS
E0.1	SYMBOLS LIST, GENERAL NOTES & LIST OF DRAWINGS
E1.1	SITE PLAN - ELECTRICAL
E2.1	FIRST FLOOR PLAN - ELECTRICAL
E5.1	SINGLE LINE DIAGRAM - ELECTRICAL
E7.1	DETAILS



200 E STREET, SANTA ROSA, CA 95404
619.698.9177 | www.coargroup.com

PROJECT:

COUNTY OF SONOMA
CLOVERDALE VETERANS BUILDING GENERATOR
205 W 1ST STREET,
CLOVERDALE, CA 95425



DESCRIPTION:

30% DESIGN DEVELOPMENT	2/14/2024
100% CONST. DOCUMENTS	3/25/2024
REVISIONS 1	5/22/2024
100% CONSTRUCTION DOCUMENTS	8/11/2025

PROJECT NUMBER:

231103

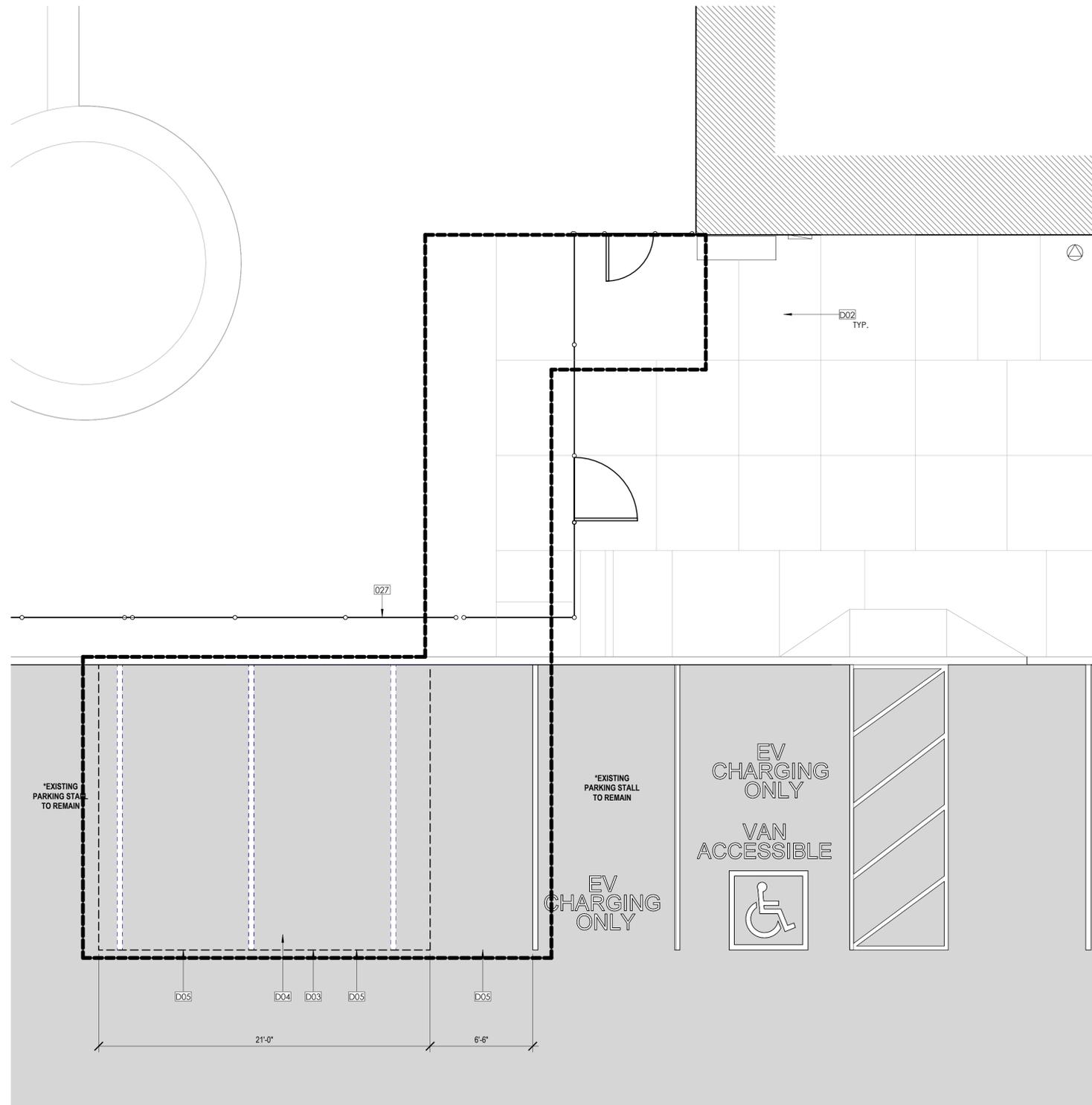
SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-2

Permit #: BLD24-2003.R01 Plans Examiner: Paul Macquize
 REVIEWED FOR CODE COMPLIANCE - PERMIT SONOMA



CONSTRUCTION NOTES

- D01 EXISTING FENCE TO REMAIN. PROTECT FENCE FROM DAMAGE DURING DEMOLITION.
- D02 REMOVE EXISTING CONCRETE WALKWAY FLAGS AS NEEDED TO PERFORM INSTALLATION OF UNDERGROUND CONDUIT. SAWCUT ONLY AT CONTROL JOINTS. SEE GENERAL NOTES FOR DETAILS.
- D03 REMOVE EXISTING PARKING STRIPING. PREP SURFACE FOR CONSTRUCTION OF NEW CONCRETE HOUSEKEEPING PAD.
- D04 REMOVE EXISTING AC PAVING. SEE GENERAL NOTES FOR DETAILS.
- D05 REMOVE EXISTING PARKING STALL AND STRIPING. PREPARE FOR CONSTRUCTION OF NEW CONCRETE PAD AND RE-STRIPING PER SITE PLAN ON SHEET A1.2

DEMOLITION NOTES

1. DEMOLITION SCOPE IS DESCRIBED IN CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. G.C. SHALL REFER TO ALL DRAWINGS TO DETERMINE THE COMPLETE DEMOLITION SCOPE REQUIRED.
2. CONTRACTOR IS RESPONSIBLE FOR SURVEYING EXISTING BUILDING AND VERIFYING SCOPE OF REMOVALS PRIOR TO SUBMITTING BID. FIELD VERIFICATION AND RESULTANT DEMOLITION WORK DONE AFTER ACCEPTANCE OF THE SIGNED CONTRACT SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
3. EXISTING FACILITIES ARE OCCUPIED BY CURRENT TENANTS AND SHALL REMAIN OPEN DURING CONSTRUCTION OF THE PROJECT. PROVIDE ACCESS TO PUBLIC ENTRANCES AND EXITS AT ALL TIMES.
4. DO NOT ALTER THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING OR ITS ASSEMBLIES UNLESS SPECIFICALLY NOTED OTHERWISE. PROTECT COLUMNS AND OTHER BUILDING STRUCTURAL ELEMENTS DURING DEMOLITION AND CONSTRUCTION OPERATIONS.
5. ERECT AND MAINTAIN TEMPORARY BRACING, SHORING, LIGHTS, BARRICADES, WARNING SIGNS AND GUARDS NECESSARY TO PROTECT THE PUBLIC AND ADJOINING PROPERTY FROM DAMAGE. ALL IN ACCORDANCE WITH APPLICABLE REGULATION.
6. REMOVE DEMOLITION MATERIALS PROMPTLY AND DISPOSE OF LEGALLY OFF SITE.
7. ITEMS ON THESE PLANS SHOWN DASHED ARE INTENDED TO BE DEMOLISHED.
8. AFTER DEMOLITION IS COMPLETE, PATCH AND REPAIR EXISTING SURFACES TO REMAIN, AS REQUIRED FOR NEW FINISHES.
9. PROVIDE ALL PATCHING REQUIRED IN EXISTING AREAS THAT WILL BE INTERRUPTED BY NEW CONSTRUCTION. MATCH THE EXISTING FINISHES WHEN PATCHING.
10. EXISTING MATERIALS TO REMAIN SHALL BE PROTECTED FROM DAMAGE AT ALL TIMES. EXISTING BUILDING MATERIALS AND/OR FINISHES THAT ARE DAMAGED SHALL BE REPAIRED AND/OR REPLACED TO SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
11. IF HAZARDOUS MATERIALS SUCH AS ASBESTOS ARE ENCOUNTERED, CEASE WORK AND IMMEDIATELY NOTIFY THE OWNER AND CONSTRUCTION MANAGER WHO WILL ARRANGE APPROPRIATE MITIGATION. DO NOT COMMENCE WORK UNTIL MITIGATION IS COMPLETE AND CERTIFIED.
12. PROVIDE STRICT CONTROL OF JOB CLEANING AND PREVENT DUST AND DEBRIS FROM REMANATING FROM DEMOLITION/ CONSTRUCTION AREA. KEEP AREA CLEAN.
13. IF ANY QUESTIONS ARISE AS TO THE REMOVAL OF ANY MATERIAL, CLARIFY THE POINT IN QUESTION WITH THE OWNER BEFORE PROCEEDING.
14. ADJUST AND MODIFY EXISTING ELECTRICAL PANELS, EQUIPMENT AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

GENERAL NOTES

1. DEMOLISH EXISTING ASPHALT CONCRETE AS NEEDED TO PREPARE FOR CONSTRUCTION OF NEW HOUSEKEEPING PAD. PROTECT ADJACENT MATERIALS AND FINISHES TO REMAIN.
2. PATCH ALL AREAS WHERE EXISTING CONDITIONS WERE DAMAGED OR ALTERED. ALL REPAIR WORK SHALL MATCH EXISTING CONDITIONS.
3. ALL SAWCUTS FOR TRENCHING OF UNDERGROUND SERVICE CONDUIT SHALL OCCUR ALONG EXISTING CONCRETE SIDEWALK CONTROL JOINTS. CONTRACTOR TO VERIFY EXACT LOCATION OF CONTROL JOINTS IN THE FIELD.
4. ANY CONCRETE SIDEWALK FLAGS THAT ARE PARTIALLY DAMAGED DURING DEMOLITION OR TRENCHING WORK, SHALL BE COMPLETELY REPLACED.
5. PRIOR TO COMMENCEMENT OF EXCAVATION, CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES AND NOTE THEIR LOCATION AS TO NOT CAUSE DAMAGE.

LEGEND

- EXISTING ASPHALT PAVING TO REMAIN
- NEW CONCRETE EQUIPMENT PAD
- EXISTING FENCE
- LIMIT OF WORK
- CONTROL JOINTS. CONTRACTOR TO V.I.F. EXACT LOCATION OF CONTROL JOINTS.



coar
DESIGN GROUP

200 E STREET, SANTA ROSA, CA 95404
619.698.9177 | www.coargroup.com

PROJECT:

COUNTY OF SONOMA
CLOVERDALE VETERANS
BUILDING GENERATOR
205 W 1ST STREET,
CLOVERDALE, CA 95425



DESCRIPTION:

30% DESIGN DEVELOPMENT

100% CONST. DOCUMENTS

REVISIONS 1

100% CONSTRUCTION DOCUMENTS

DATE: 2/14/2024
3/25/2024
5/22/2024
8/11/2025

PROJECT NUMBER:

231103

SHEET TITLE:

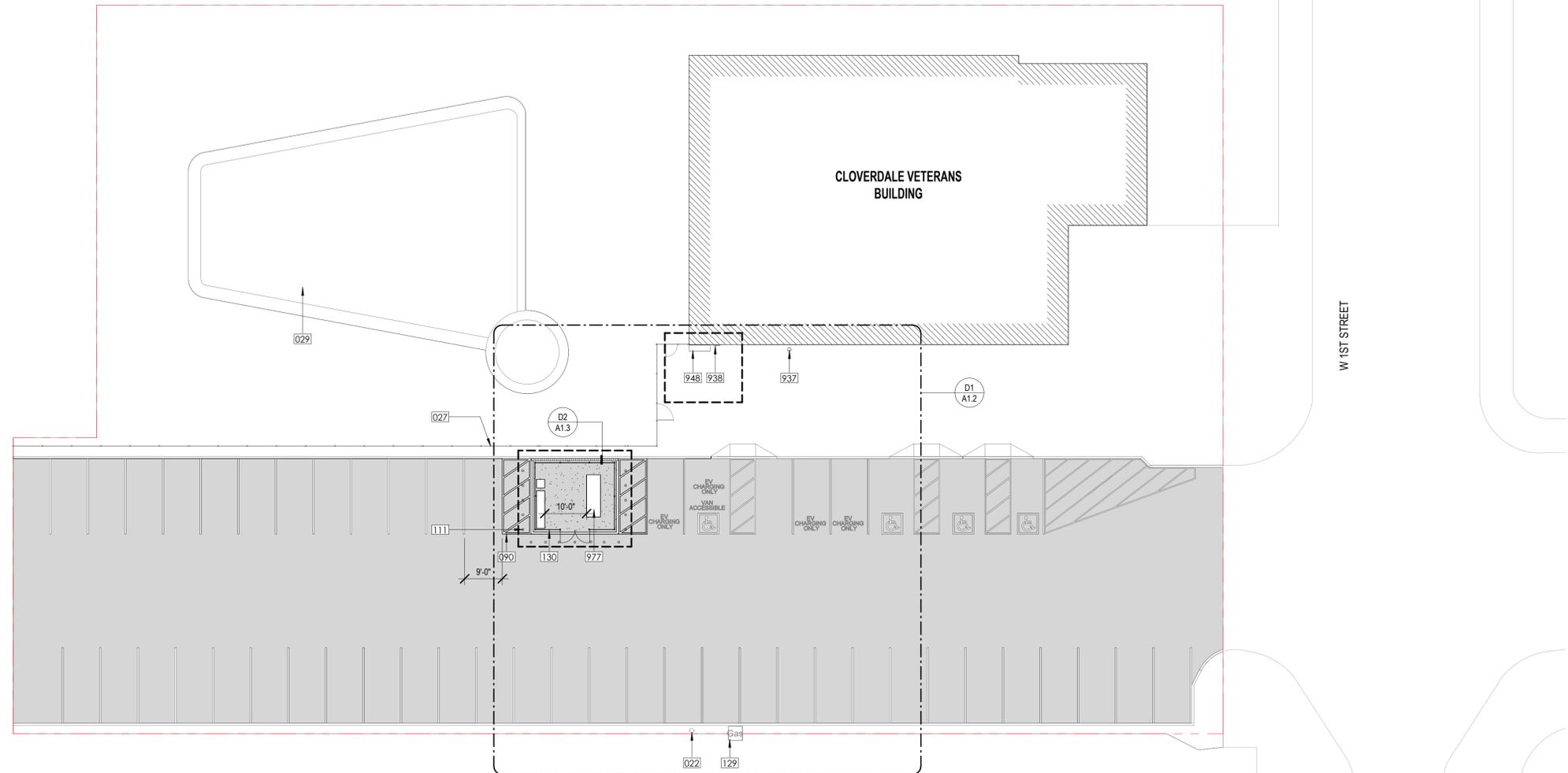
DEMOLITION SITE PLAN

SHEET NUMBER:

A1.0



Paal Mequoz
 01/12/2025 Permit #: BLD24-2003.R01 Plans Examiner: Paal Mequoz
 REVIEWED FOR CODE COMPLIANCE - PERMIT SONOMA



CONSTRUCTION NOTES

- 022 EXISTING POWER POLE
- 027 EXISTING FENCE TO REMAIN. PROTECT FENCE FROM DAMAGE DURING DEMOLITION.
- 029 EXISTING POOL
- 090 NEW "NO PARKING" STRIPING ALONG CONCRETE PAD
- 111 4" DIAMETER, 36" TALL, STEEL PIPE BOLLARD. SHALL BE FIXED, SET INTO CONCRETE U.N.O. SEE DETAIL B4/A1.3 FOR TYPICAL CONDITIONS.
- 129 GAS METER LOCATION
- 130 NEW GALVANIZED CHAIN LINK FENCE PER DETAIL B1/A1.3.
- 937 (E) GAS SHUT OFF VALVE
- 938 EXISTING ELECTRICAL PANELS. REFERENCE ELECTRICAL DRAWINGS
- 948 EXISTING MAIN SWITCH BOARD PANEL
- 977 PROPOSED LOCATION FOR GENERATOR ON 6" CONCRETE HOUSEKEEPING PAD. REFERENCE ELECTRICAL DRAWINGS



coar
DESIGN GROUP

200 E STREET, SANTA ROSA, CA 95404
619.698.9177 | www.coargroup.com

GENERAL NOTES

1. ALL NEW CONCRETE SHALL BE BROOM FINISH.
 2. NEW GENERATOR SHALL BE OWNER FURNISHED, CONTRACTOR INSTALLED (OFCI).
 3. STEEL PIPE BOLLARDS SHALL BE EVENLY SPACED, MAX 42" O.C., AND A MIN OF 24" FROM THE FACE OF CONCRETE GENERATOR PAD, AS SHOWN. ALL BOLLARDS SHALL BE FIXED, SET INTO CONCRETE, UNLESS NOTED OTHERWISE. BOLLARDS SHALL BE SET A MINIMUM DISTANCE OF 3 FEET CLEAR FROM OBJECTS THEY ARE PROTECTING PER CFC SECTION 312.2(5).
- SEE PLAN FOR LOCATION OF REMOVABLE PIPE BOLLARD.

PROJECT:

COUNTY OF SONOMA
CLOVERDALE VETERANS
BUILDING GENERATOR
205 W 1ST STREET,
CLOVERDALE, CA 95425



DESCRIPTION:

30% DESIGN DEVELOPMENT 2/14/2024
100% CONST. DOCUMENTS 3/25/2024
REVISIONS 1 5/22/2024
100% CONSTRUCTION DOCUMENTS 8/11/2025

DATE:

PROJECT NUMBER:

231103

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

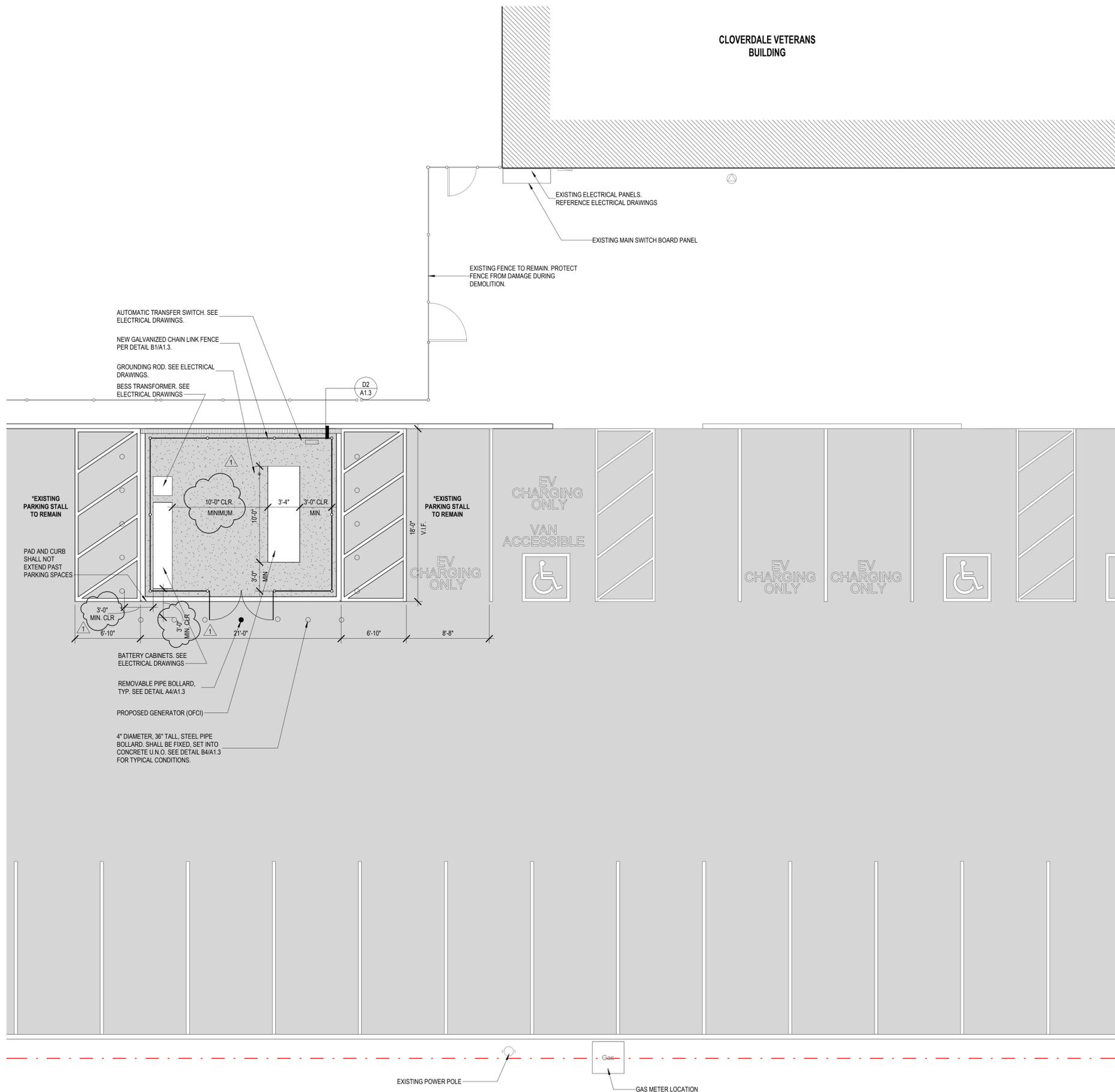
A1.1

LEGEND

- EXISTING ASPHALT PAVING TO REMAIN
- NEW CONCRETE EQUIPMENT PAD
- NEW FENCE TO MATCH EXISTING. SEE DETAIL B1/A1.3
- LIMIT OF WORK
- PROPERTY LINE

Permit #: BLD24-2003.R01 Plans Examiner: Paul Macquie
 REVIEWED FOR CODE COMPLIANCE - PERMIT SONOMA

CLOVERDALE VETERANS BUILDING



CONSTRUCTION NOTES

- 022 EXISTING POWER POLE
- 027 EXISTING FENCE TO REMAIN. PROTECT FENCE FROM DAMAGE DURING DEMOLITION.
- 111 4" DIAMETER, 36" TALL, STEEL PIPE BOLLARD. SHALL BE FIXED, SET INTO CONCRETE U.N.O. SEE DETAIL B4/A1.3 FOR TYPICAL CONDITIONS.
- 129 GAS METER LOCATION
- 130 NEW GALVANIZED CHAIN LINK FENCE PER DETAIL B1/A1.3.
- 901 AUTOMATIC TRANSFER SWITCH. SEE ELECTRICAL DRAWINGS.
- 902 GROUNDING ROD. SEE ELECTRICAL DRAWINGS.
- 938 EXISTING ELECTRICAL PANELS. REFERENCE ELECTRICAL DRAWINGS
- 948 EXISTING MAIN SWITCH BOARD PANEL
- 976 PROPOSED GENERATOR (OFCI)

GENERAL NOTES

1. ALL NEW CONCRETE SHALL BE BROOM FINISH.
2. NEW GENERATOR SHALL BE OWNER FURNISHED, CONTRACTOR INSTALLED (OFCI).
3. STEEL PIPE BOLLARDS SHALL BE EVENLY SPACED, MAX 42" O.C., AND A MIN OF 24" FROM THE FACE OF CONCRETE GENERATOR PAD, AS SHOWN. ALL BOLLARDS SHALL BE FIXED, SET INTO CONCRETE, UNLESS NOTED OTHERWISE. BOLLARDS SHALL BE SET A MINIMUM DISTANCE OF 3 FEET CLEAR FROM OBJECTS THEY ARE PROTECTING PER CFC SECTION 312.2(5).
SEE PLAN FOR LOCATION OF REMOVABLE PIPE BOLLARD.



coar
DESIGN GROUP

200 E STREET, SANTA ROSA, CA 95404
619.698.9177 | www.coargroup.com

PROJECT:

COUNTY OF SONOMA
CLOVERDALE VETERANS BUILDING GENERATOR
205 W 1ST STREET,
CLOVERDALE, CA 95425



DESCRIPTION: DATE:

30% DESIGN DEVELOPMENT	2/14/2024
100% CONST. DOCUMENTS	3/25/2024
REVISIONS 1	5/22/2024
100% CONSTRUCTION DOCUMENTS	8/11/2025

PROJECT NUMBER:

231103

SHEET TITLE:

SITE PLAN - ENLARGED

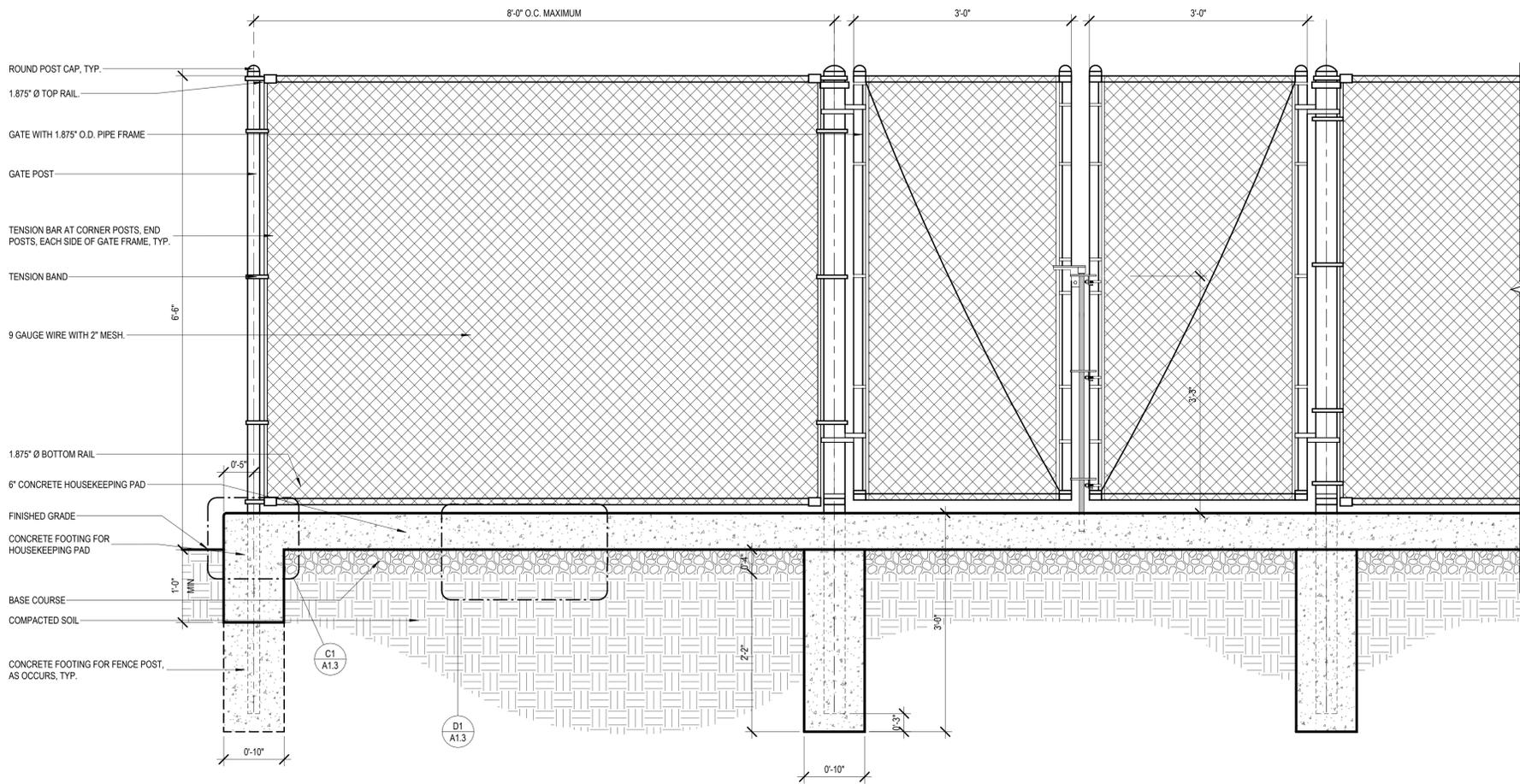
SHEET NUMBER:

A1.2

LEGEND

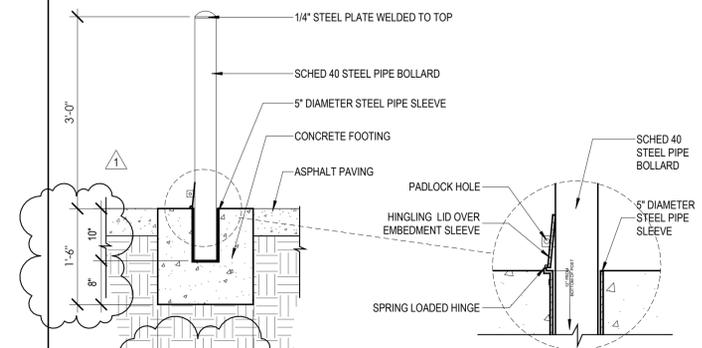
- EXISTING ASPHALT PAVING TO REMAIN
- NEW CONCRETE EQUIPMENT PAD
- NEW FENCE TO MATCH EXISTING. SEE DETAIL B1/A1.3
- LIMIT OF WORK
- PROPERTY LINE





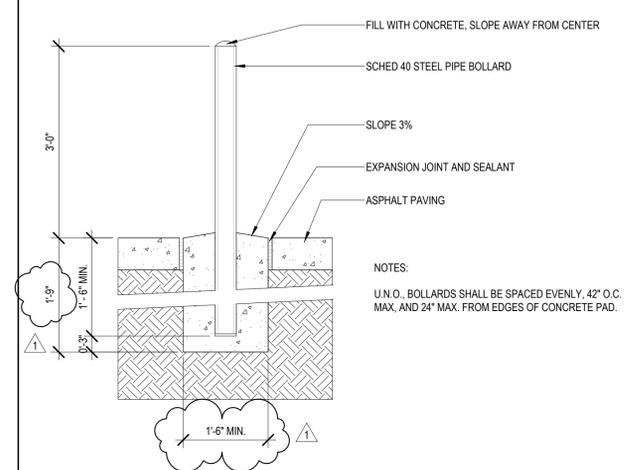
- NOTES:
- CHAIN LINK FENCE SHALL CONFORM TO SECTION 204-6 OF THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION.
 - FINISH: ALL COMPONENTS OF FENCING INCLUDING BUT NOT LIMITED TO FENCE FABRIC MESH, POSTS, RAILS, RODS, TIES, BRACES, WIRES, AND HARDWARE SHALL BE HOT-DIP GALVANIZED.
 - FABRIC SIZE: 2" MESH, 9 GAUGE WIRE SIZE PLUS.
 - POSTS AND RAILS: HEAVY INDUSTRIAL STRENGTH, ROUND STEEL PIPE, SCHEDULE 40.

B1
A1.3 TYPICAL CHAINLINK FENCE - DETAIL
SCALE: 1" = 1'-0"



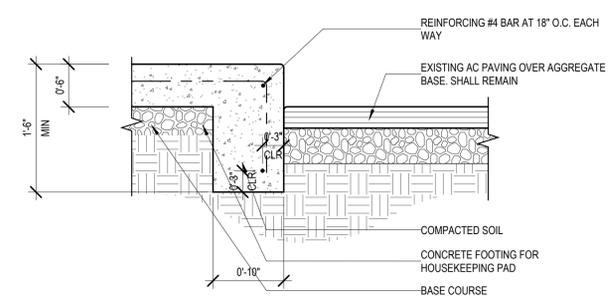
- NOTES:
- CHAIN TO BE 1/4" PROOF COIL CHAIN GALVANIZED STEEL. WELD FOUR LINKS TO POST AND THREE LINKS TO PIPE SLEEVE.
 - ALL METAL TO BE HOT-DIP GALVANIZED AFTER FABRICATION.

A4
A1.3 STEEL PIPE BOLLARD (REMOVABLE)
SCALE: 3/4" = 1'-0"

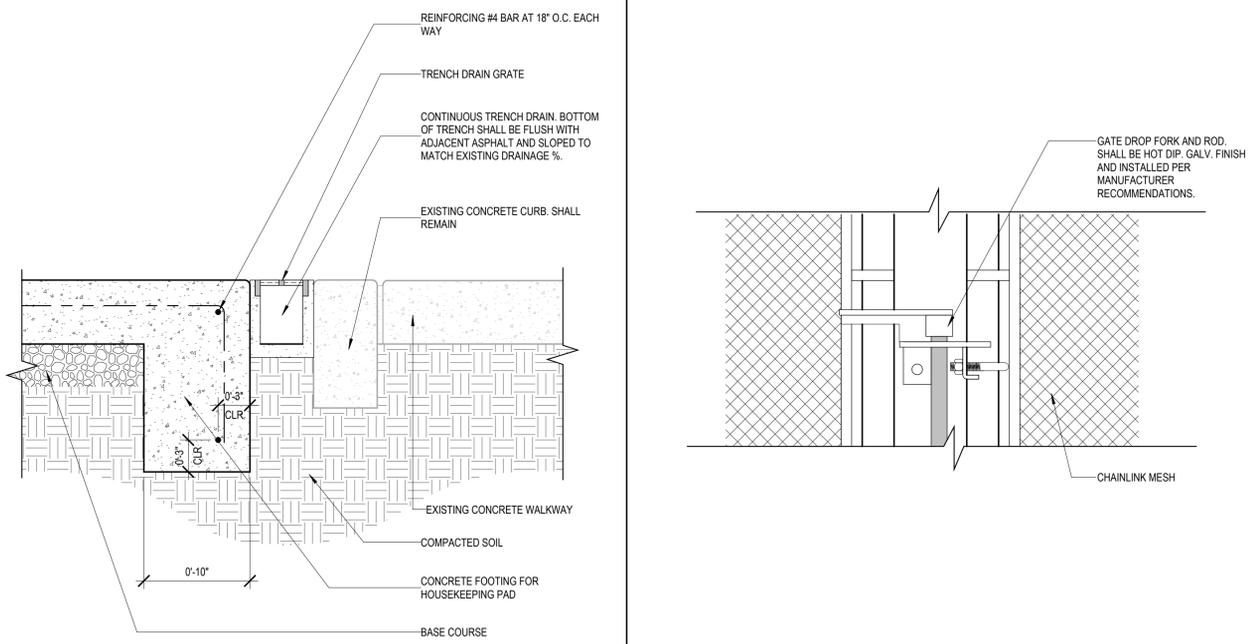


- NOTES:
- U.N.O. BOLLARDS SHALL BE SPACED EVENLY, 42" O.C. MAX. AND 24" MAX. FROM EDGES OF CONCRETE PAD.

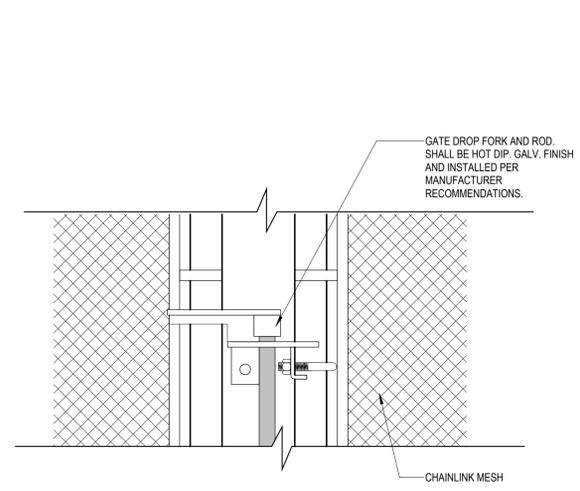
B4
A1.3 STEEL PIPE BOLLARD (FIXED) - DETAIL, TYP
SCALE: 3/4" = 1'-0"



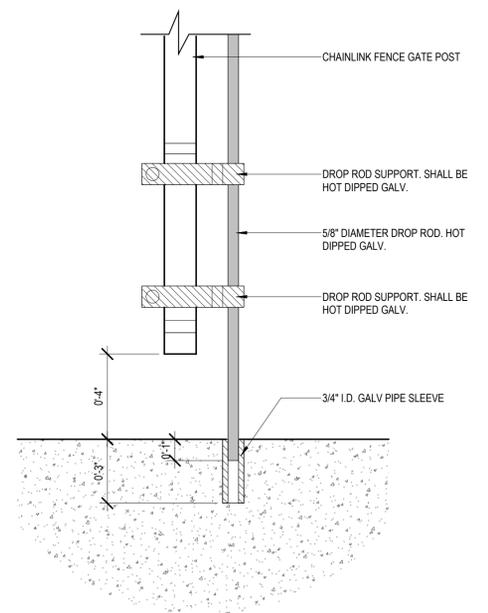
C1
A1.3 HOUSEKEEPING PAD - EDGE AT AC PAVING DETAIL
SCALE: 1" = 1'-0"



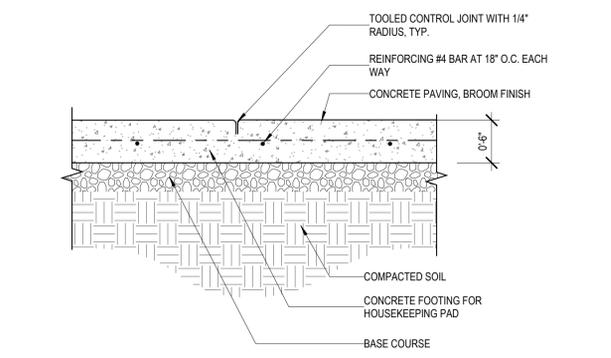
D2
A1.3 TRENCH DRAIN - DETAIL
SCALE: 1 1/2" = 1'-0"



D3
A1.3 CHAINLINK FENCE - HASP DETAIL
SCALE: 3" = 1'-0"



D4
A1.3 CHAINLINK FENCE - DROP ROD DETAIL
SCALE: 3" = 1'-0"



D1
A1.3 HOUSEKEEPING PAD - SLAB DETAIL
SCALE: 1" = 1'-0"



200 E STREET, SANTA ROSA, CA 95404
619.698.9177 | www.coargroup.com

PROJECT:
COUNTY OF SONOMA
CLOVERDALE VETERANS
BUILDING GENERATOR
205 W 1ST STREET,
CLOVERDALE, CA 95425



DESCRIPTION: DATE:
30% DESIGN DEVELOPMENT 2/14/2024
100% CONST. DOCUMENTS 3/25/2024
REVISIONS 1 5/22/2024
100% CONSTRUCTION DOCUMENTS 8/11/2025

PROJECT NUMBER:
231103
SHEET TITLE:
SITE DETAILS

SHEET NUMBER:
A1.3

PAUL MACQUEZ
 PLANS EXAMINER
 PERMIT #: BLD24-2003.R01
 9/12/2025
 REVIEWED FOR CODE COMPLIANCE - PERMIT SONOMA

CONSTRUCTION NOTES

922 ELECTRICAL PANELS AND EQUIPMENT - REFERENCE ELECTRICAL DRAWINGS
948 EXISTING MAIN SWITCH BOARD PANEL



coar
DESIGN GROUP

200 E STREET, SANTA ROSA, CA 95404
619.698.9177 | www.coargroup.com

PROJECT:

COUNTY OF SONOMA
CLOVERDALE VETERANS
BUILDING GENERATOR
205 W 1ST STREET,
CLOVERDALE, CA 95425



DESCRIPTION:

30% DESIGN DEVELOPMENT 2/14/2024
100% CONST. DOCUMENTS 3/25/2024
REVISIONS 1 5/22/2024
100% CONSTRUCTION DOCUMENTS 8/11/2025

PROJECT NUMBER:

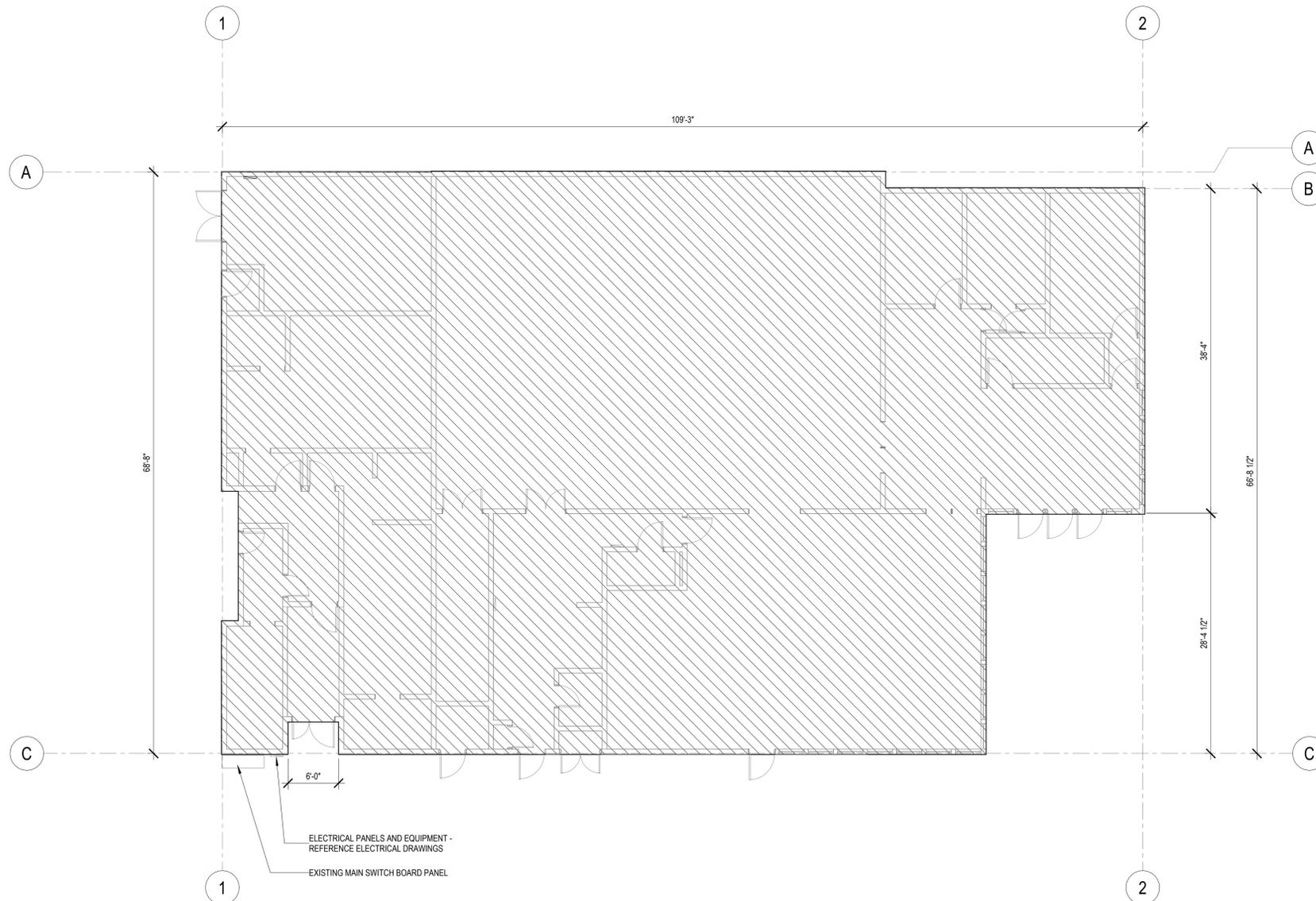
231103

SHEET TITLE:

FIRST FLOOR
PLAN

SHEET NUMBER:

A2.1

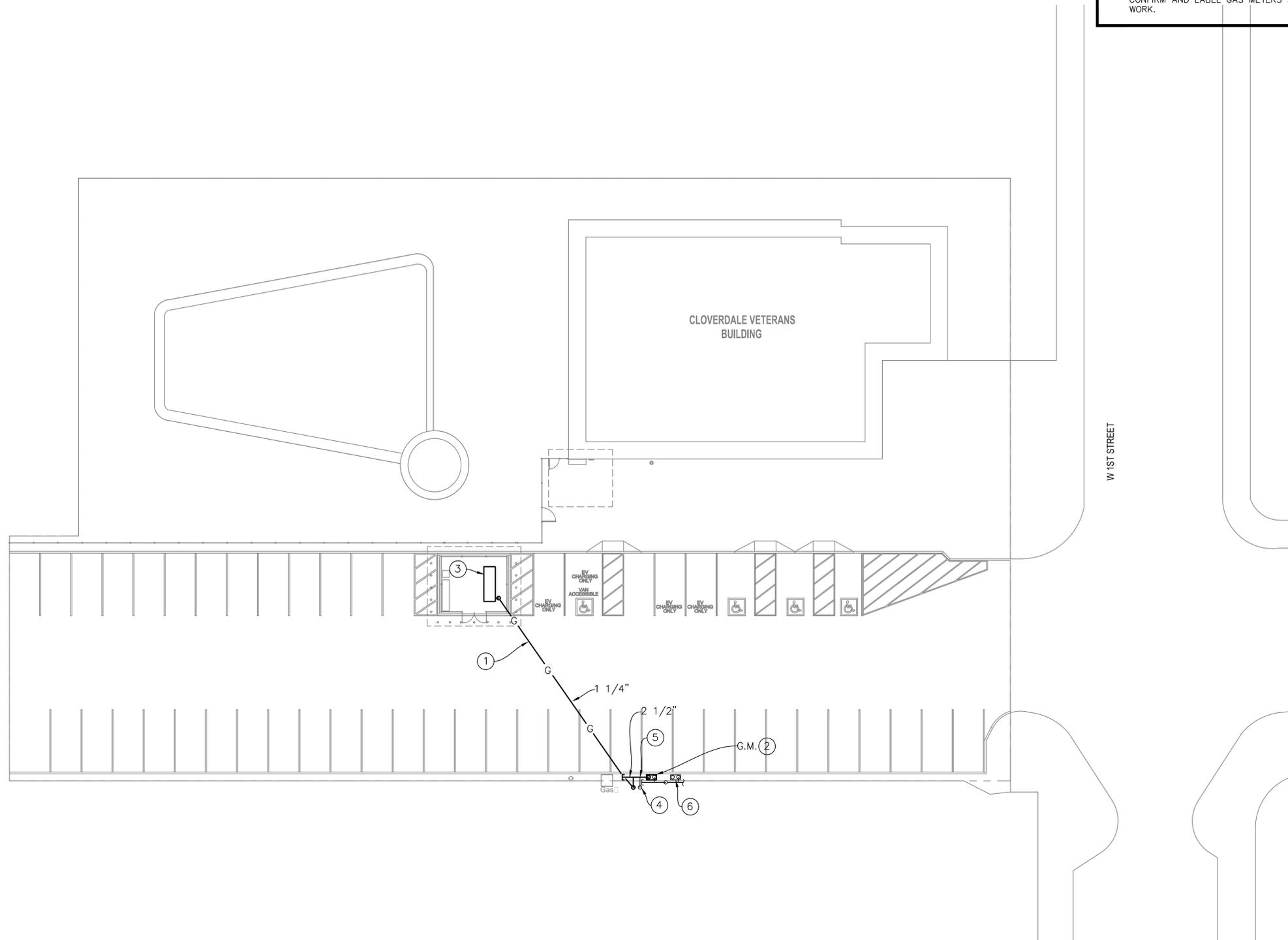


WALL LEGEND

-  2x4 STUD WALL
-  2x6 STUD WALL
-  BUILDING AREA NOT INCLUDED IN SCOPE OF WORK

Reviewed for Code Compliance - Permit SONOMA 231103
Stamp #: 9/12/2025 Permit #: BLD24-2003.R01 Plans Examiner: Paul Macquie

Plot Date: August 05, 2025 - 1:27 pm
 File Name: Z:\Jobbies\Cloverdale Veterans Generator\p101.dwg



- Sheet Notes**
1. RUN NEW GAS PIPING BELOW GRADE, TYPICAL. SEE DETAIL 1/P501.
 2. INSTALL NEW GAS METER.
 3. NEW GENERATOR. CONNECT GAS PIPING WITH GAS COCK, DIRT LEG, AND UNION. VERIFY EXACT LOCATION.
 4. EXISTING GAS PIPING TO BUILDING TO REMAIN. VERIFY EXACT LOCATION. CUT EXISTING PIPING AND CONNECT TO NEW MANIFOLD AS REQUIRED.
 5. CUT EXISTING GAS PIPE AND CONNECT NEW GAS PIPE. VERIFY EXACT LOCATION.
 6. EXISTING GAS METER SERVING ADJACENT BUILDING TO REMAIN. VERIFY EXACT LOCATION. CONFIRM AND LABEL GAS METERS SERVING EACH BUILDING PRIOR TO BEGINNING ANY WORK.



300 E STREET SANTA ROSA, CA 95401
 916 886 8177 | www.coargroup.com



PROJECT:
 COUNTY OF SONOMA
 CLOVERDALE VETERANS
 BUILDING GENERATOR
 205 W 1ST STREET,
 CLOVERDALE, CA 95425



DESCRIPTION:	DATE:
30% DESIGN DEVELOPMENT	2/14/2024
100% CONST. DOCUMENTS	3/25/2024
REVISIONS 1	5/22/2024
PLUMBING DRAWINGS	8/5/2025
CONSTRUCTION DOCUMENTS	8/11/2025

ISSUED FOR CONSTRUCTION
 PROJECT NUMBER:
 231103
 SHEET TITLE:
 PLUMBING SITE PLAN

SHEET NUMBER:
P101

LEFLER ENGINEERING, INC.
 1651 Second Street
 San Rafael, CA 94901
 (415) 456-4220
 (415) 456-1248 fax

Date Stamped: 8/11/2025 Permit #: BLD24-2003.R01 Plans Examiner: Patrick
 REVIEWED FOR CODE COMPLIANCE - PERMIT SONOMA



PROJECT:
COUNTY OF SONOMA
CLOVERDALE VETERANS
BUILDING GENERATOR
205 W 1ST STREET,
CLOVERDALE, CA 95425



DESCRIPTION:	DATE:
30% DESIGN DEVELOPMENT	2/14/2024
100% CONST. DOCUMENTS	3/25/2024
REVISIONS 1	5/22/2024
PLUMBING DRAWINGS	8/5/2025
CONSTRUCTION DOCUMENTS	8/11/2025

ISSUED FOR CONSTRUCTION

PROJECT NUMBER:
231103

SHEET TITLE:

PLUMBING LEGEND AND DETAILS

SHEET NUMBER:

P501

General Notes Regarding Piping Materials

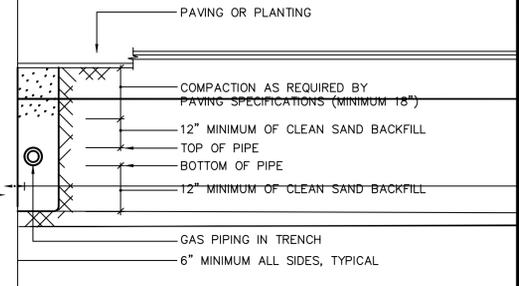
A. GAS PIPING

1. GAS PIPING BELOW GRADE: SHALL BE POLYETHYLENE (PE) PIPING AND POLYETHYLENE (PE) "GON STAR" TYPE FITTINGS. INSTALL PIPING IN TRENCH WITH MAGNETIC TAPE OR ELECTRICALLY CONTINUOUS TRACER WIRE. PIPING INSTALLED IN FLOWER BEDS AND OTHER LOCATIONS SUBJECT TO PHYSICAL DAMAGE SHALL BE PROTECTED WITH PVC PIPE OR EQUIVALENT PROTECTION DEVICE.

2. GAS PIPING ABOVE GRADE: GALVANIZED STEEL PIPE WITH GALVANIZED MALLEABLE IRON FITTINGS.

	W.	SOIL OR WASTE PIPING ABOVE FLOOR
	W.	SOIL OR WASTE PIPING BELOW GRADE/FLOOR
	RWL	RAINWATER LEADER PIPING
	V.	VENT PIPING
	CW	COLD WATER PIPING
	HW	HOT WATER PIPING
	G.	GAS PIPING
	CD	CONDENSATE DRAIN PIPING
	F.	FIRE PIPING
	FOS	FUEL OIL SUPPLY PIPING
	FOR	FUEL OIL RETURN PIPING
	FOF	FUEL OIL FILL PIPING
	FOV	FUEL OIL VENT PIPING
	FD, RD	FLOOR DRAIN, ROOF DRAIN
	COTG, FCO	CLEANOUT TO GRADE, FLOOR CLEANOUT
	WCO	WALL CLEANOUT
	CO	CLEANOUT
	VTR	VENT THROUGH ROOF
	WC	WATER CLOSET
	UR	URINAL
	LAV	LAVATORY
	SSK	SERVICE SINK
	SK	SINK
	SH	SHOWER
	DF	DRINKING FOUNTAIN
	HB	HOSE BIBB
	①	DESIGNATION OF SHEET NOTE #1
	(E)	EXISTING
	(N)	NEW
	TYP.	TYPICAL
	G.V.	GATE VALVE
	B.V.	BALL VALVE
	CH. V.	CHECK VALVE
		STRAINER

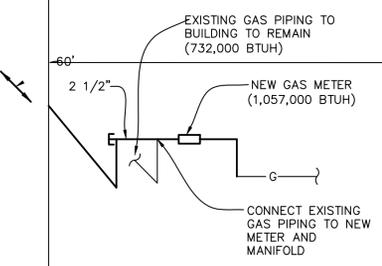
Plumbing Legend



1

grade) NOT TO SCALE

65	PIPE	x	1.0	=	65
4	ELBOWS	x	2.5	=	10
0	T-TEES	x	1.0	=	0
0	S-TEES	x	4.5	=	0
2	GAS COCKS	x	7.5	=	15
					90 FT



1

Permit #: BLD24-2003.R01 Plans Examiner: Patrick
 REVIEWED FOR CODE COMPLIANCE - PERMIT SONOMA

uding General and Supplementary to this Section.

ipment that are required to furnish the Drawings for this Section of the ifications, including that which is

nd equipment that are required to lation shown on the Drawings for ted in the following Specifications, red.
o all LPG fired equipment.
s as a result of this installation and igned in this installation.

ipment.
y part of the premises caused by t furnished or installed under this e (1) year after date of acceptance
and equipment at time building is
d and applicable shall be included.

rd associated work necessary for location shown.

ings and Specifications as to the rtain and check all conditions and t the Work.

08/05/2025
PLUMBING
22 00 00 -1

- B. Permit fees will be paid by the Owner. Pay all fees and obtain all licenses necessary for the completion of the Work and notify all interested authorities when this Work is ready for any necessary or required inspections. Deliver to the Owner a certificate of all inspections and acceptances issued by the jurisdictional authorities, approving the complete plumbing installation.
- C. All work shall be in strict accordance with the latest rules of any local or State ordinances and codes, UPC, building codes, and the NFPA. No extra charge will be paid for furnishing items required by the regulations but not specified herein or shown on the Drawings. Rulings and interpretations of the agencies shall be considered as part of the regulations if commonly known to the trade prior to the submittal of bids.
- D. Do not permit or cause any Work to be covered or enclosed until it has been inspected, tested and approved. Should any of the Work be enclosed or covered before inspection and test, the Contractor shall, at his own expense, uncover the Work; and, after it has been inspected, tested and approved, make all repairs with such materials as may be required to restore his Work and that of the other Work to its original and proper condition.
- E. Be responsible for damage to any of this work before acceptance. Securely cover all openings, apparatus, fixtures, and appliances, both before and after setting into place, to prevent obstructions in the pipes and breakage or disfigurement of equipment. Should the equipment become damaged, restore it to its original condition and finish before final acceptance without change in Contract cost.
- F. Shop Drawings Submittals - 1.3 SUBMITTALS
 - 1. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
 - 2. Product data for all plumbing fixtures, equipment, and materials specified herein. Include pressure ratings, rated capacities, settings, and test reports where applicable.
 - 3. Maintenance data for inclusion in operating and maintenance manuals as specified in Division 1, Contract Closeout.
- G. Substitutions of Materials and Equipment:
 - 1. Specific names used in connection with materials are mentioned as standard, but this implies no right on the part of this Section to substitute other materials or methods without written permission of the Architect. The decision of the Architect shall govern as to what material may be substituted, but the burden of proof as to the quality of any proposed substitution shall be upon the Contractor.
 - 2. Within thirty (30) days after awarding of the Contract, submit to the Architect for approval, five (5) copies of a list of all materials to be used. This list shall include the manufacturer's name, the model, type, number and size of equipment and the capacity of the equipment. All equipment shall be submitted at one time. If the material is not definitely specified, use the product of any manufacturer as listed under the specific material or equipment, or approved equal, if approved in writing. Any material or equipment installed without the approval of the Architect shall be subject to immediate removal if found unsatisfactory.

County of Sonoma
Cloverdale Veterans Building - New Generator
Cloverdale, California

08/05/2025
PLUMBING
22 00 00 -2

1.5 GUARANTEE: At completion of the work, furnish the Owner a written guarantee, in triplicate, that work has been performed in accordance with Plans and Specifications and guarantee to replace or repair, to the satisfaction of the Owner, any portion of the new work that fails within a period of one (1) year after final acceptance, provided such failure is due to defects in material or workmanship. Also agree to replace or repair, with like workmanship and materials, any part of the building or equipment installed by other trades but damaged in installing this work.

PART 2 PRODUCTS

2.1

- A. Equipment and Materials: All materials shall be new.
- B. Pipe and Fittings
 - 1. Steel Pipe: ANSI B36.10, Schedule 40 galvanized as indicated hereinafter.
 - 2. Malleable Iron fittings: ANSI B16.3, galvanized, 150 PSI as indicated hereinafter.
 - 3. Polyethylene Piping: ASTM D-2513 medium density 2306 Phillips "Driscopipe 6500", or approved equal. Piping shall be installed, backfilled, and tested in accordance with the pipe manufacturer's instructions.
 - 4. Unions: For steel pipe shall be malleable iron or steel ground joint pattern, 150 PSI. For copper pipe shall be 150 PSI ground joint cast bronze unions with sweat connections.
 - 5. Nipples: Cut from same pipe as specified for the system in which the nipple is used.
 - 6. Dielectric Insulating Unions: EPCO, or equal, dielectric nut-type or flange-type unions with gasket material suitable for service and temperature in which they are required.
- C. Gas Cocks: DeZurik Series 400, Red & White, Watts, or Crane, eccentric plug valve complete with 125 PSI cast iron body, flanged connection, and wrench. Valve should be AGA approved for gas service.
- D. Pipe Hangers and Supports: Provide support as required by the Uniform Plumbing Code and as required for proper support free of sways and bending. Provide hair felt isolators to separate pipes from hangers. All pipes must be isolated from the structure.
- E. Flexible Pipe Connections: Flexonics PCS series, Keflex, or American Brass company, with stainless steel construction flexible braided hose, and threaded ends or flanged. Unit shall be rated at 180 psi with 250 degrees F. water. Pipe material shall match the material of the connecting piping.
- F. Pipe Hangers and Supports: Provide support as required by the Uniform Plumbing Code and as required for proper support free of sways and bending. Provide hair felt isolators to separate pipes from hangers. All pipes must be isolated from the structure.

PART 3 EXECUTION

3.1 PIPING

County of Sonoma
Cloverdale Veterans Building - New Generator
Cloverdale, California

08/05/2025
PLUMBING
22 00 00 -3

angers properly spaced and set to raction.

air pockets.

is no apparent deflection in pipe inchers to prevent vibration and/or ired. Do not support piping from, or any materials except building d and immobile and shall not be e or blocking of any kind. Double nes in contact with concrete.

Spaced As Follows: Horizontal i hereinbefore specified. Hangers umbing Code. Each branch over 4 ide pipe anchors and sway braces giddy.

inions or insulating flanges as rous and nonferrous piping.

and at other points where required

hall support the weight of any pipe. her trim in accessible locations.

make such changes with reducing , in general, be permitted. Install provide free drainage of lines.

hylene piping with solvent welded mes up to above grade.

ized steel pipe with galvanized

ired for this section of the Work.

rades same as for the pipe so that ped solid around sides and top of nt settlement of the surface.

After piping has been installed, it Backfill shall not be placed on or

08/05/2025
PLUMBING
22 00 00 -4

- D. Provide shoring and cross bracing of sufficient strength to properly support the walls of all excavations at a depth of four (4) feet or more and as required to protect personnel.
- E. Minimum bury for piping exterior to the building shall be 30" or shall comply with the requirements of the soils report, and specification section 02220 whichever is deeper.
- 3.3 CLEANING
 - A. Clean fixtures with soap and water. Remove marks and labels. Clean and polish chrome. Remove paint, concrete, plaster and other foreign materials.
 - B. Clean all drains of dirt and debris.
 - C. Thoroughly clean and flush all systems of all pipe contaminates such as cuttings, filings, lubricant, rust, scale, grease, solder, flux, welding residue, debris, etc., and thoroughly flush out with clear clean water until clean in the opinion of the inspector.
- 3.4 TESTING
 - A. Gas Piping: Test and prove tight in accordance with the Plumbing Code.
 - B. All tests shall be maintained for 2 hours or until complete and acceptable in the opinion of the inspector.
- 3.5 AS-BUILT DRAWINGS
 - A. At completion of the work, turn over to the Architect one (1) complete set of reproducible drawings incorporating the original drawings and all changes made to the original drawings. Reproducible prints of the original drawings will be provided by the Architect. Make all changes to these reproducible drawings to provide a complete and accurate description and record of all the work as installed.
- 3.6 GUARANTEE
 - A. At completion, furnish the Owner a written guarantee, in triplicate, that work has been performed in accordance with Plans and Specifications and guarantee to replace or repair, to the satisfaction of the Owner any portion of the new work that fails within a period of one (1) year after final acceptance provided such failure is due to defects in material or workmanship. Also agree to replace or repair, with like workmanship and materials any part of the building system or equipment installed by other trades but damaged by him in installing his work.

County of Sonoma
Cloverdale Veterans Building - New Generator
Cloverdale, California

08/05/2025
PLUMBING
22 00 00 -5

END OF SECTION

22 00 00



200 E STREET, SANTA ROSA, CA 95404
415.888.9117 | www.coargroup.com



PROJECT:

COUNTY OF SONOMA

CLOVERDALE VETERANS BUILDING GENERATOR

205 W 1ST STREET, CLOVERDALE, CA 95425



DESCRIPTION: DATE:

30% DESIGN DEVELOPMENT 2/14/2024

100% CONST. DOCUMENTS 3/25/2024

REVISIONS 1 5/22/2024

100% CONSTRUCTION DOCUMENTS 8/11/2025

PROJECT NUMBER: 231103

SHEET TITLE: PLUMBING SPECIFICATIONS

SHEET NUMBER: P701



1651 Second Street
San Rafael, CA 94901
(415) 456-4220
(415) 456-1248 fax

Permit #: BLD24-2003.R01 Plans Examiner: Paul Marquez
REVIEWED FOR CODE COMPLIANCE - PERMIT SONOMA

CONDUIT ROUTING IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL LAY OUT RUNS TO SUIT

ELECTRICAL CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK, EXPENSE, OR SPECIAL PRECAUTIONS CAUSED BY THE EXISTENCE OR PROXIMITY OF UTILITIES ENCOUNTERED AT THE SITE OR IN THE PERFORMANCE OF THE PROJECT WORK INCLUDING, WITHOUT LIMITATION, REPAIR OF ANY DAMAGE THAT MAY RESULT, INCLUDING ANY DAMAGE RESULTING FROM HAND OR EXPLORATORY EXCAVATION. THE CONTRACTOR IS CAUTIONED THAT THE UTILITIES ENCOUNTERED AT THE SITE MAY INCLUDE COMMUNICATION CABLES AS WELL AS ELECTRICAL CABLES CONDUCTING HIGH VOLTAGE. WHEN EXCAVATING IN THE VICINITY OF SUCH CABLES, SPECIAL PRECAUTIONS ARE TO BE OBSERVED BY THE CONTRACTOR AND SHALL INCLUDE THE FOLLOWING: ALL EXISTING ELECTRICAL CABLES AND THEIR ENCLOSURE DUCTS SHALL BE EXPOSED BY CAREFUL HAND EXCAVATION SO AS NOT TO DAMAGE THE DUCTS OR CABLES NOR CAUSE INJURY TO PERSONS, AND SUITABLE WARNING SIGNS, BARRICADES, AND SAFETY DEVICES SHALL BE ERECTED WHENEVER NECESSARY OR APPROPRIATE. CONTRACTOR-CAUSED INTERRUPTIONS OR DAMAGE SHALL BE REPAIRED OR REPLACED IMMEDIATELY AND AS NECESSARY TO RESTORE SERVICES AND PROCEDURES. REMEDIAL ACTION SHALL BE APPROVED IN ADVANCE BY THE COUNTY. EXPENSES FOR REMEDIAL ACTION AND DOWNTIME SUFFERED BY THE COUNTY DUE TO CONTRACTOR-CAUSED DAMAGE OR INTERRUPTIONS SHALL BE

- ### GENERAL NOTES
- PRIOR TO BID, CONTRACTOR SHALL VISIT THE SITE TO ADEQUATELY DETERMINE ALL PRE-EXISTING CONDITIONS. BY THE ACT OF SUBMITTING A BID, THE CONTRACTOR WILL BE DEEMED TO HAVE COMPLIED WITH THE FOREGOING, TO HAVE ACCEPTED SUCH CONDITIONS, AND TO HAVE MADE ALLOWANCES THEREFORE IN PREPARING HIS BID.
 - PROVIDE PULLROPE IN ALL EMPTY CONDUITS THROUGHOUT THE PROJECT.
 - COORDINATE CONDUIT ROUTING WITH THE COUNTY AND BUILDING USER GROUP BEFORE BEGINNING WORK.
 - CIRCUITRY AND RACEWAY ROUTING SHOWN ON THE PLANS IS DIAGRAMMATIC ONLY. THIS CONTRACTOR IS RESPONSIBLE FOR BECOMING COMPLETELY FAMILIAR WITH THE ARCHITECTURAL AND STRUCTURAL CONDITIONS AND LIMITATIONS THAT EXIST AT THE SITE AND IN/ON THE BUILDING AND TO PROVIDE ALL LABOR, TOOLS AND MATERIALS REQUIRED TO PRODUCE A COMPLETE INSTALLATION.
 - MAINTAIN "AS-BUILT" RECORDS AT ALL TIMES, SHOWING EXACT LOCATION OF ALL CONDUITS AND SERVICES INSTALLED UNDER THIS CONTRACT, INCLUDING CIRCUIT IDENTIFICATION WHERE APPLICABLE. PROVIDE COUNTY WITH "AS-BUILT" DOCUMENTS AS INDICATED IN THE SPECIFICATIONS.
 - UNLESS OTHERWISE NOTED, ALL WORK SHOWN ON DRAWINGS IS NEW AND TO BE PROVIDED AND INSTALLED UNDER THIS CONTRACT.
 - ALL EQUIPMENT GROUNDING SHALL CONFORM TO ARTICLE 250 OF THE CALIFORNIA ELECTRIC CODE.
 - ALL EXTERIOR CONDUIT ABOVE GRADE SHALL BE RIGID GALVANIZED STEEL. COAT ALL EXPOSED THREADS WITH GALVANIZING PAINT.
 - ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC.
 - ALL ELECTRICAL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITION OF THE C.E.C., AS WELL AS LOCAL CODES AND REQUIREMENTS.
 - ALL CONDUIT SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED BUILDING PERMITS.
 - THE CONTRACTOR SHALL FIELD VERIFY ALL CRITICAL DIMENSIONS PRIOR TO ROUGH-IN.
 - ALL SAW CUTTING OF EXISTING PAVEMENTS SHALL BE PRE-PLANNED AND CARRIED OUT IN STRAIGHT LINES (PREFERABLY ON EXISTING SCORE LINES), IN A NEAT MANNER AND TO THE SATISFACTION OF THE COUNTY REPRESENTATIVE.
 - THE CONTRACTOR SHALL OBTAIN, AND PAY ALL FEES ASSOCIATED WITH THE BAAQMD AUTHORITY - TO CONSTRUCT AND PERMIT TO OPERATE.
 - FINISH PAINT ALL WALL-MOUNTED EXPOSED CONDUIT AND BOXES TO MATCH EXISTING FINISHES FOR ALL LOCATIONS.

PROJECT INFORMATION

PROJECT DESCRIPTION: INSTALLATION OF A NEW DIESEL POWERED GENERATOR, BATTERY ENERGY STORAGE SYSTEM, AND ASSOCIATED WORK TO PROVIDE FOR BACK-UP POWER AND ENERGY PEAK SHAVING FOR THE EXISTING FACILITY.

THIS PROJECT DOES NOT INCLUDE ANY MODIFICATIONS TO THE BUILDING, BUILDING ACCESS, BUILDING ENVELOPE, OR SPACES WITHIN THE BUILDING.

NO NEW MECHANICAL OR STRUCTURAL SYSTEMS ARE A PART OF THE SCOPE OF THIS PROJECT.

THE GENERATOR AND BATTERY STORAGE SYSTEM WILL BE PROVIDED IN OUTDOOR RATED ENCLOSURES.

TITLE 24

NO CHANGE IN BUILDING ENVELOPE IS CONTAINED IN THESE DOCUMENTS.

NO NEW MECHANICAL OR LIGHTING EQUIPMENT OR SYSTEMS ARE PROVIDED FOR THE INSTALLATION OF THE BACK-UP GENERATOR AND BATTERY ENERGY STORAGE SYSTEM.

NO TITLE 24 COMPLIANCE DOCUMENTATION IS REQUIRED OR PROVIDED.

ELECTRICAL AND FUEL SYSTEM SYMBOLS

	SWITCHGEAR OR DISTRIBUTION PANEL
	20A 3PG 125V DUPLEX RECEPTACLE, UP 18" U.O.N.
	WEATHERPROOF ENCLOSURE
	CONDUIT AND WIRE BURIED OR CONCEALED UNDER GROUND
	CONDUIT AND WIRE RUN EXPOSED
	CONDUIT AND WIRE RUN CONCEALED
	CROSSMARKS INDICATE QUANTITY OF #12 CONDUCTORS PLUS PARITY SIZED GROUND CONDUCTOR (INCLUDED BUT NOT INDICATED), NO HASHMARKS INDICATES (2) #12 CONDUCTORS PLUS PARITY SIZED GROUND CONDUCTOR, U.O.N.
	#4/0 CU IN 1 1/2" CONDUIT, U.O.N.
	COMPLETE CONNECTION OF EQUIPMENT
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	GROUND ROD - 10FT x 3/4" DIAMETER COPPERWELD. SEE 1/E7.1 FOR INSTALLATION REQUIREMENTS
	DETAIL DESIGNATION
	NUMBERED SHEET NOTE
N.E.C.	NATIONAL ELECTRIC CODE
U.O.N.	UNLESS OTHERWISE NOTED
GFI	GROUND FAULT CURRENT INTERRUPTING TYPE RECEPTACLE
NIEC	NOT IN ELECTRICAL CONTRACT
C	CONDUIT
CU	COPPER
E.C.	ELECTRICAL CONTRACTOR
C.O.	CONDUIT ONLY
EG	ENGINE - GENERATOR
PNL	PANEL
MTD	MOUNTED
MCCB	MOLDED CASE CIRCUIT BREAKER
(N)	NEW
(E)	EXISTING
	JUNCTION BOX
S	SWITCH

LIST OF DRAWINGS

E0.1	SYMBOLS LIST, GENERAL NOTES & LIST OF DRAWINGS
E1.2	SITE PLAN - ELECTRICAL
E2.1	FIRST FLOOR PLAN - ELECTRICAL
E5.1	SINGLE LINE DIAGRAM - ELECTRICAL
E7.1	DETAILS



200 E STREET SANTA ROSA, CA 95404
230 E STREET SAN MATEO, CA 94066
419.498.9177 | www.coargroup.com



490 REDWOOD HWY, SUITE 245
SAN RAFAEL, CALIFORNIA 94903
(415) 452-0500 FAX (415) 452-9602
www.omahonyandmyer.com



PROJECT:

COUNTY OF SONOMA
CLOVERDALE VETERANS
BUILDING GENERATOR

205 W 1ST STREET,
CLOVERDALE, CA 95425



DESCRIPTION:	DATE:
90% REVIEW SET	1/31/2025
100% CONSTRUCTION DOCUMENTS	8/11/2025

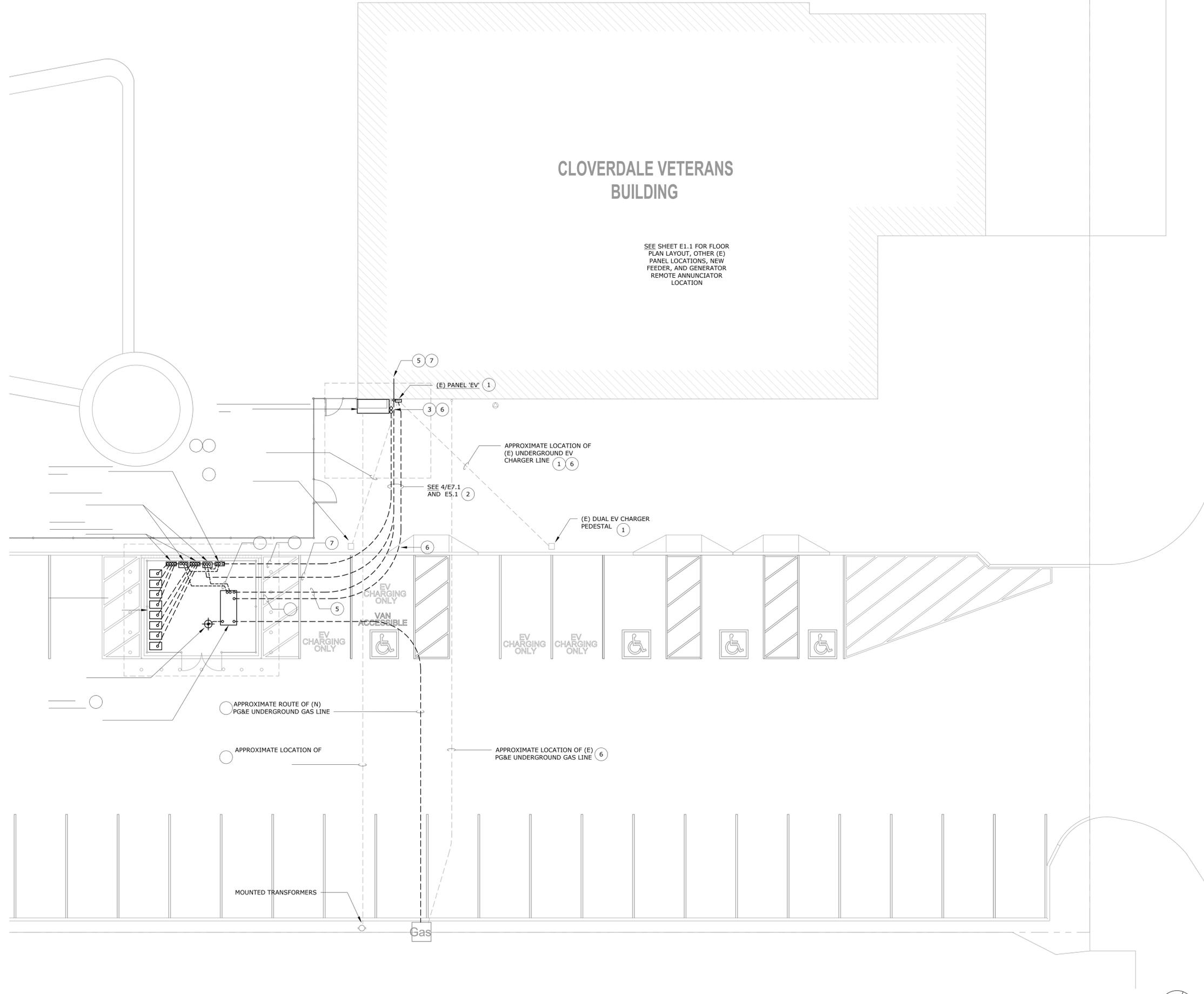
ISSUED FOR CONSTRUCTION

PROJECT NUMBER:
231103

SHEET TITLE:
**SYMBOLS LIST,
GENERAL NOTES
& LIST OF
DRAWINGS**

SHEET NUMBER:
E0.1

Permit #: BLD24-2003.R01 Plans Examiner: Paul Marquet
REVIEWED FOR CODE COMPLIANCE - PERMIT SONOMA



CLOVERDALE VETERANS BUILDING

SEE SHEET E1.1 FOR FLOOR PLAN LAYOUT, OTHER (E) PANEL LOCATIONS, NEW FEEDER, AND GENERATOR REMOTE ANNUNCIATOR LOCATION

NUMBERED SHEET NOTES

- 1 NO WORK. SHOWN FOR REFERENCE ONLY.
- 2 COORDINATE INSTALLATION AND ROUTING OF (N) UNDERGROUND CONDUITS WITH (E) UNDERGROUND CONDITIONS AND (E) CONCRETE SCORE LINES, FOR BEST ROUTE TO AVOID (E) LINES AND FOR BEST CONCRETE CUTTING AND PATCHING.
- 3 STUB-UP AT SIDE OF (E) 'MSB' AND TRANSITION INTO SIDE OF 'MSB' SIMILAR TO (E) PENETRATIONS.
- 4 PROVIDE AND INSTALL GENERATOR 'EPO' BUTTON ON SIDE OF GENERATOR WITH PLACARD "EMERGENCY GENERATOR POWER OFF". SEE 3/E7.1 FOR CONNECTION REQUIREMENTS. LOCATE 'EPO' IN CLEARLY VISIBLE LOCATION WHEN ENTERING FENCED ENCLOSURE AREA.
- 5 1" C. AND REMOTE ANNUNCIATOR WIRING TO REMOTE ANNUNCIATOR AT KITCHEN AREA. SEE 3/E7.1 FOR WIRING AND E2.1 FOR ANNUNCIATOR LOCATION.
- 6 PRIOR TO DIGGING, FIELD LOCATE AND MARK ALL (E) UNDERGROUND CONDUITS AND FEEDERS IN THIS AREA, SPECIFICALLY EV CONDUITS AND PG&E SECONDARY CONDUITS. PROTECT IN PLACE.
- 7 FEEDER CONDUIT AND WIRING TO (E) PANEL 'A' AT KITCHEN AREA. SEE E2.1 FOR LOCATION.
- 8 GENERATOR POWER FEEDER TO BESS. SEE E5.1
- 9 BESS TO GENERATOR CONTROLS. SEE E5.1
- 10 GENERATOR BATTERY CHARGER AND JACKET HEATER CIRCUITS. SEE E5.1
- 11 BESS FEEDER TO 'MSB'. SEE E5.1



200 E STREET SANTA ROSA, CA 95404
230 E STREET SANTA ROSA, CA 95404
419.498.9177 | www.coargroup.com



PROJECT:
COUNTY OF SONOMA
CLOVERDALE VETERANS BUILDING GENERATOR
205 W 1ST STREET, CLOVERDALE, CA 95425

DESCRIPTION: 90% REVIEW SET
DATE: 1/31/2025

100% CONSTRUCTION DOCUMENTS
DATE: 8/11/2025



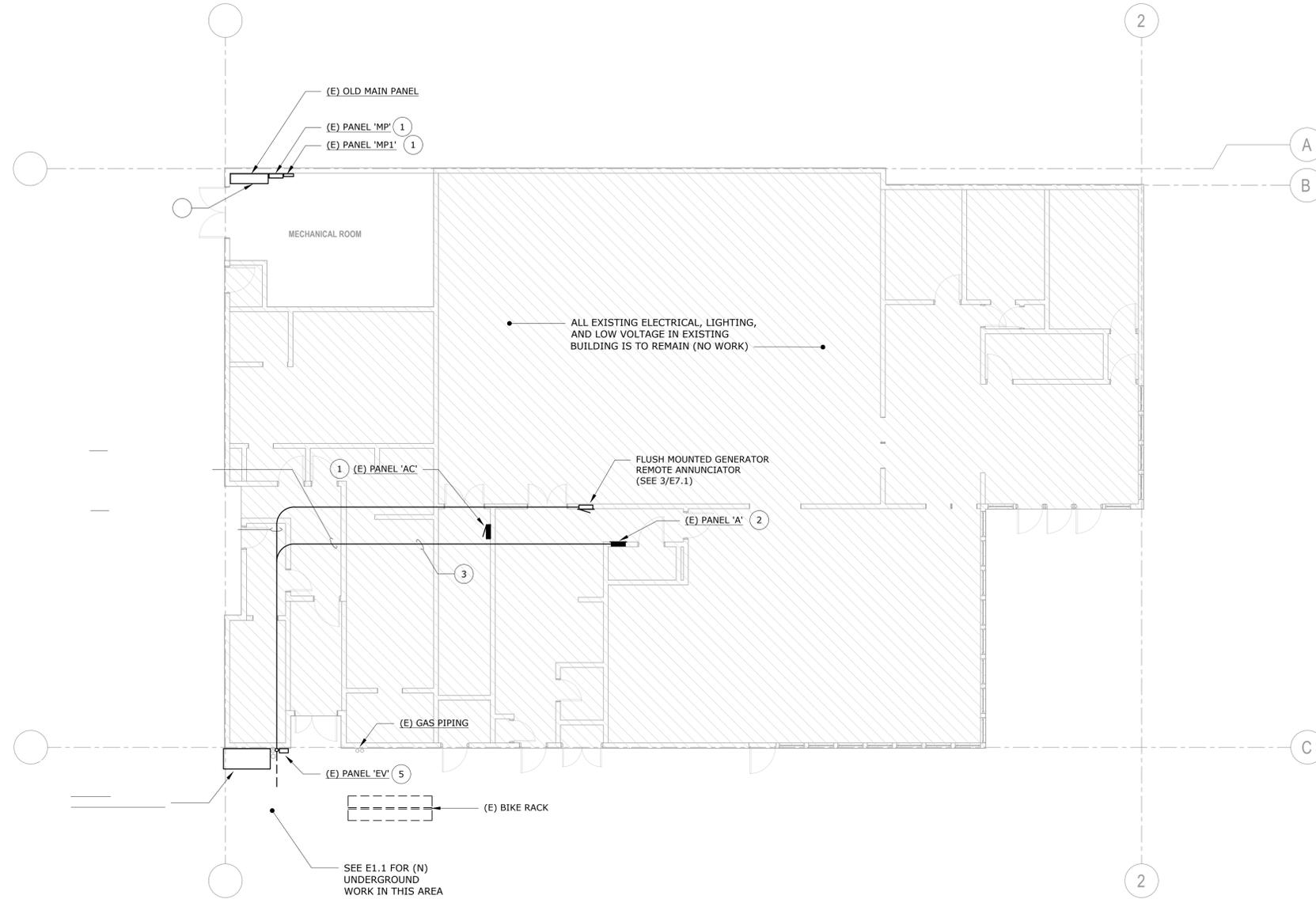
ISSUED FOR CONSTRUCTION
PROJECT NUMBER: 231103
SHEET TITLE: SITE PLAN - ELECTRICAL

SHEET NUMBER: E1.1

REVIEWED FOR CODE COMPLIANCE - PERMIT SONOMA

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





FIRST FLOOR PLAN - ELECTRICAL

SCALE: 1/8" = 1'-0"



NUMBERED SHEET NOTES

- 1 NO WORK. SHOWN FOR REFERENCE ONLY.
- 2 PANEL 'A' TO BE CONNECTED TO (N) BESS OUTPUT, IN LIEU OF (E) OLD MAIN PANEL AT MECHANICAL ROOM. SEE E5.1
 - A. ALL (E) BRANCH CIRCUITS TO REMAIN.
 - B. DISCONNECT (E) PANEL 'A' FEEDER CONDUCTORS AND REMOVE BACK TO SOURCE AT OLD MAIN PANEL.
 - C. ABANDON (E) CONDUIT IN PLACE (ASSUMED TO BE UNDERGROUND).
 - D. PROVIDE (N) ENGRAVED LAMINATED LABEL ON FRONT OF (E) PANEL 'A', AFFIXED WITH SCREWS, TO READ:

 PANEL A, 125A, 120/240V, 1PH
 (FED FROM BESS AT EXTERIOR)
 LOADS ON BATTERY / GENERATOR
 BACK-UP. DO NOT RUN HIGH POWER
 LOADS DURING PG&E OUTAGE TO
 EXTEND BATTERY RUN TIME.
- 3 PROVIDE AND INSTALL (N) FEEDER, PER E5.1, FROM BESS SYSTEM EQUIPMENT LOAD POWER OUTPUT TERMINALS. FIELD VERIFY BEST ROUTING OVERHEAD THROUGH BUILDING.
- 4 TURN OFF (E) 125A BREAKER AT OLD MAIN PANEL AFTER DISCONNECTION. PROVIDE (N) ENGRAVED LAMINATED LABEL, AFFIXED WITH SCREWS, TO READ "SPARE".
- 5 SEE E5.1, NOTE 4, FOR (N) BRANCH BREAKERS FOR GENERATOR BATTERY CHARGER AND JACKET HEATER.



200 E STREET SANTA ROSA, CA 95404
 230 E BIRCH ST FAYETTEVILLE, CA 95624
 419.498.9177 | www.coargroup.com



OMAHONY & MYER
 ELECTRICAL ENGINEERS & ARCHITECTS
 490 REDWOOD HWY, SUITE 245
 SAN RAFAEL, CALIFORNIA 94903
 (415) 452-0520 FAX (415) 475-9002
 www.omsconsulting.com



PROJECT:

COUNTY OF SONOMA
 CLOVERDALE VETERANS
 BUILDING GENERATOR
 205 W 1ST STREET,
 CLOVERDALE, CA 95425



DESCRIPTION:

90% REVIEW SET
 100% CONSTRUCTION DOCUMENTS

DATE:

1/31/2025
 8/11/2025

ISSUED FOR CONSTRUCTION

PROJECT NUMBER:
 231103

SHEET TITLE:
 FIRST FLOOR
 PLAN -
 ELECTRICAL

SHEET NUMBER:

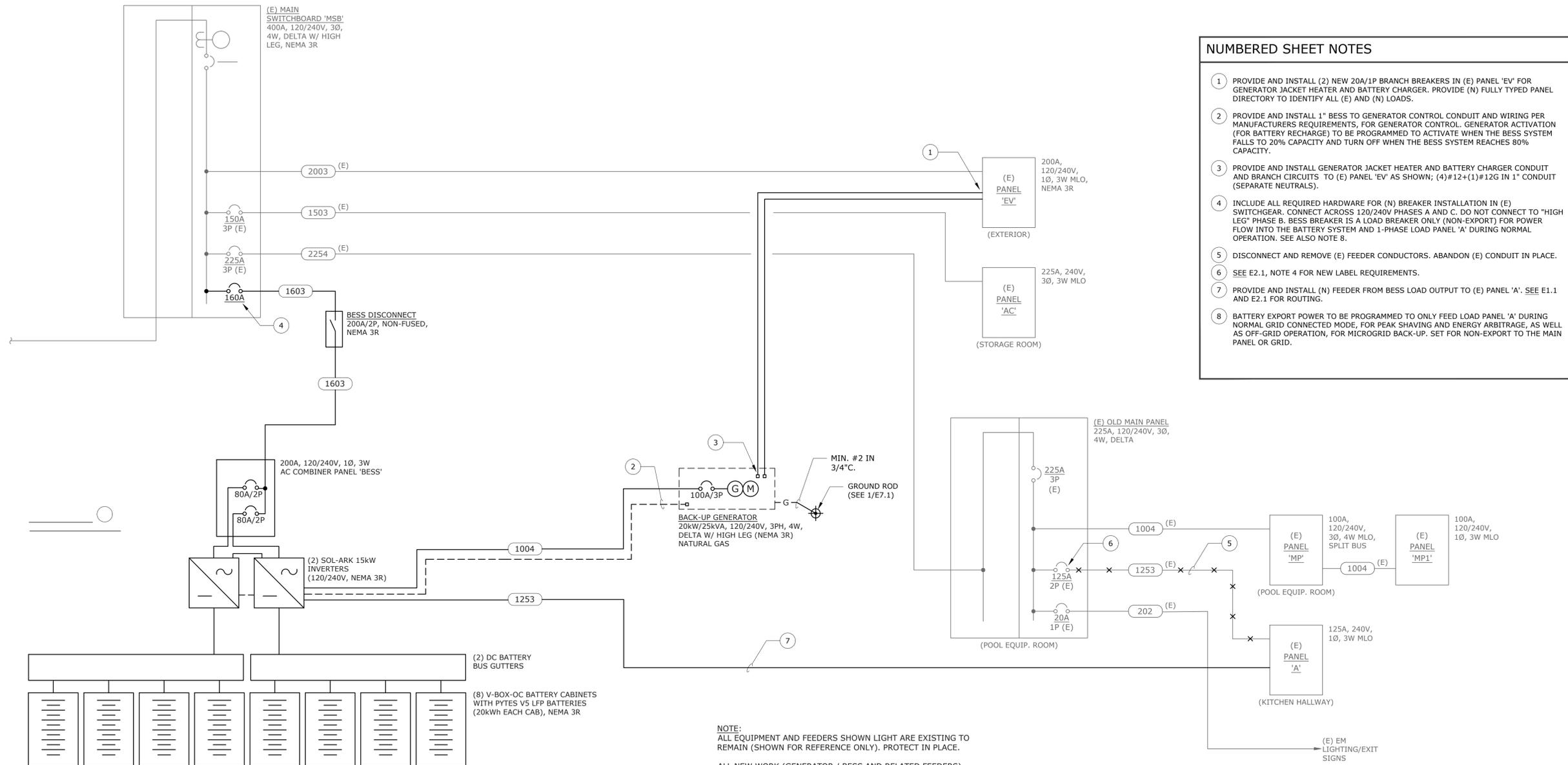
E2.1

Permit #: BLD24-2003.R01 Plans Examiner: Paul Marquet
 REVIEWED FOR CODE COMPLIANCE - PERMIT SONOMA

COPPER FEEDER SCHEDULE		
FEEDER	CONDUIT	CONDUCTORS
4004	(1) 3.5"	(4)500 MCM & (1)#1/0 G.
2253	(1) 2"	(3)#4/0 & (1)#4 G.
2004N	(1) 3"	(3)#3/0, (2)#3/0 NEU. & (1)#4 G.
2254	(1) 3"	(4)#4/0 & (1)#4 G.
2003	(1) 2"	(3)#3/0 & (1)#6 G.
1603	(1) 2"	(3)#2/0 & (1)#6 G.
1253	(1) 1-1/2"	(3)#1/0 & (1)#6 G.
1004	(1) 1.25"	(4)#2 & (1)#8 G.
804	(1) 1.25"	(4)#3 & (1)#8 G.
202	(1) 1/2"	(2)#12 & (1)#12 G.

FEEDER TAG KEY	
400 4 N	INDICATES DOUBLE NEUTRAL
400 4	WIRE QUANTITY
400	FEEDER AMPACITY

NOTE: NOT ALL FEEDERS ON THIS SCHEDULE ARE NECESSARILY USED ON THIS PROJECT.



- ### NUMBERED SHEET NOTES
- PROVIDE AND INSTALL (2) NEW 20A/1P BRANCH BREAKERS IN (E) PANEL 'EV' FOR GENERATOR JACKET HEATER AND BATTERY CHARGER. PROVIDE (N) FULLY TYPED PANEL DIRECTORY TO IDENTIFY ALL (E) AND (N) LOADS.
 - PROVIDE AND INSTALL 1" BESS TO GENERATOR CONTROL CONDUIT AND WIRING PER MANUFACTURERS REQUIREMENTS, FOR GENERATOR CONTROL. GENERATOR ACTIVATION (FOR BATTERY RECHARGE) TO BE PROGRAMMED TO ACTIVATE WHEN THE BESS SYSTEM FALLS TO 20% CAPACITY AND TURN OFF WHEN THE BESS SYSTEM REACHES 80% CAPACITY.
 - PROVIDE AND INSTALL GENERATOR JACKET HEATER AND BATTERY CHARGER CONDUIT AND BRANCH CIRCUITS TO (E) PANEL 'EV' AS SHOWN; (4)#12+(1)#12G IN 1" CONDUIT (SEPARATE NEUTRALS).
 - INCLUDE ALL REQUIRED HARDWARE FOR (N) BREAKER INSTALLATION IN (E) SWITCHGEAR. CONNECT ACROSS 120/240V PHASES A AND C. DO NOT CONNECT TO "HIGH LEG" PHASE B. BESS BREAKER IS A LOAD BREAKER ONLY (NON-EXPORT) FOR POWER FLOW INTO THE BATTERY SYSTEM AND 1-PHASE LOAD PANEL 'A' DURING NORMAL OPERATION. SEE ALSO NOTE 8.
 - DISCONNECT AND REMOVE (E) FEEDER CONDUCTORS. ABANDON (E) CONDUIT IN PLACE.
 - SEE E2.1, NOTE 4 FOR NEW LABEL REQUIREMENTS.
 - PROVIDE AND INSTALL (N) FEEDER FROM BESS LOAD OUTPUT TO (E) PANEL 'A'. SEE E1.1 AND E2.1 FOR ROUTING.
 - BATTERY EXPORT POWER TO BE PROGRAMMED TO ONLY FEED LOAD PANEL 'A' DURING NORMAL GRID CONNECTED MODE, FOR PEAK SHAVING AND ENERGY ARBITRAGE, AS WELL AS OFF-GRID OPERATION, FOR MICROGRID BACK-UP. SET FOR NON-EXPORT TO THE MAIN PANEL OR GRID.

SINGLE LINE DIAGRAM - ELECTRICAL
SCALE: NONE



OMAHONY & MYER
ELECTRICAL ENGINEERS AND ARCHITECTS
490 REDWOOD HWY, SUITE 245
SAN RAFAEL, CALIFORNIA 94903
(415) 452-8500 FAX (415) 475-9602
www.omahonyandmyer.com



PROJECT:
COUNTY OF SONOMA
CLOVERDALE VETERANS BUILDING GENERATOR
205 W 1ST STREET, CLOVERDALE, CA 95425



DESCRIPTION: 90% REVIEW SET
DATE: 1/31/2025

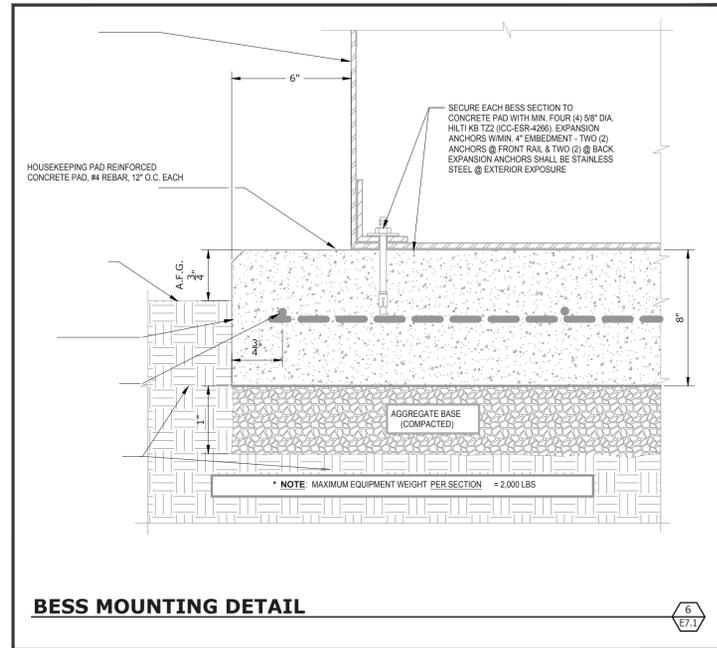
100% CONSTRUCTION DOCUMENTS
DATE: 8/11/2025

ISSUED FOR CONSTRUCTION
PROJECT NUMBER: 231103

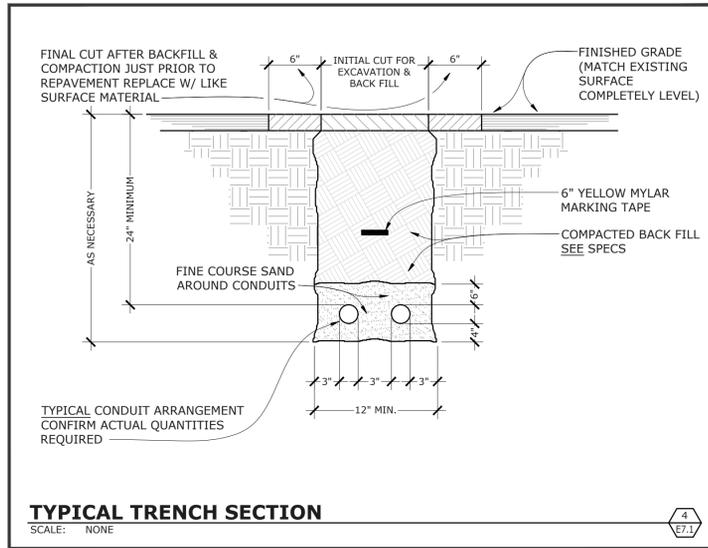
SHEET TITLE: SINGLE LINE DIAGRAM - ELECTRICAL

SHEET NUMBER: E5.1

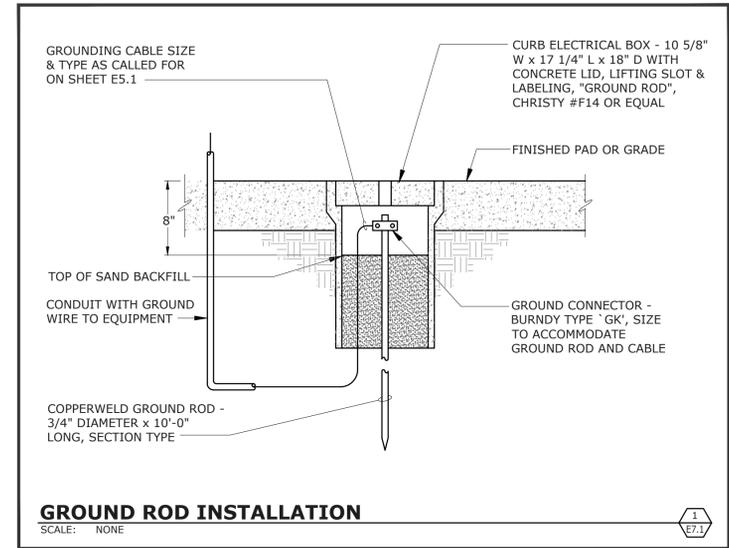
Permit #: BLD24-2003.R01
 Plans Examiner: Paul Marquet
 REVIEWED FOR CODE COMPLIANCE - PERMIT SONOMA



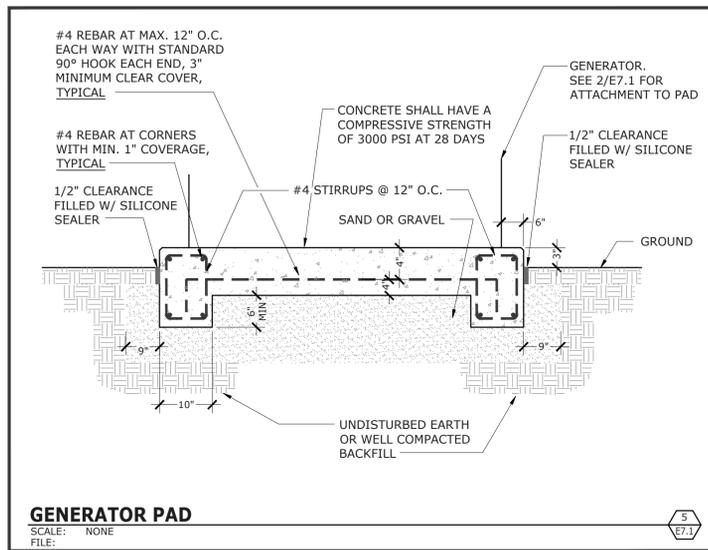
BESS MOUNTING DETAIL



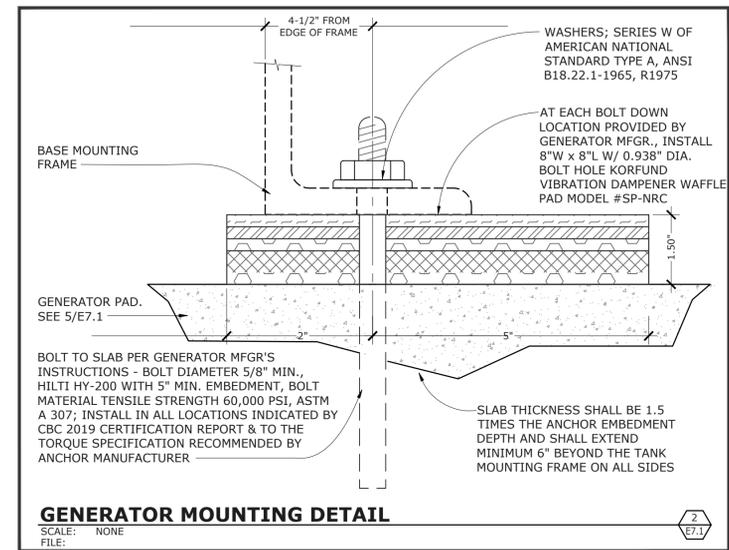
TYPICAL TRENCH SECTION



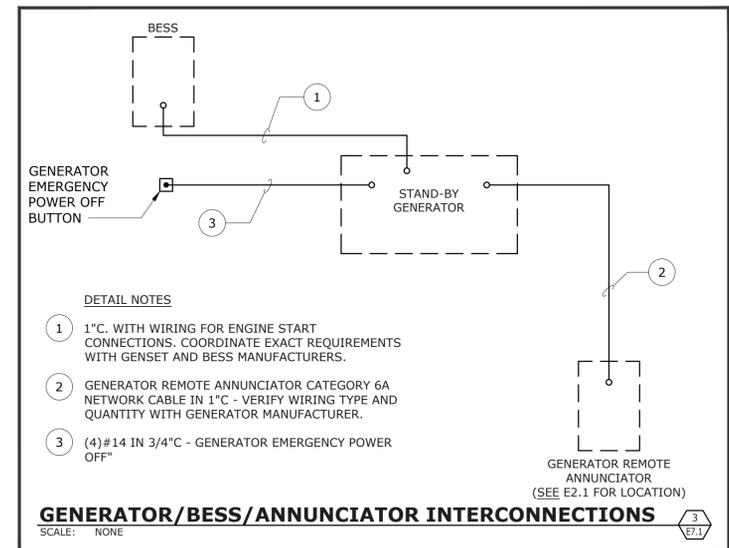
GROUND ROD INSTALLATION



GENERATOR PAD



GENERATOR MOUNTING DETAIL



GENERATOR/BESS/ANNUNCIATOR INTERCONNECTIONS

PROJECT:

COUNTY OF SONOMA
CLOVERDALE VETERANS
BUILDING GENERATOR
205 W 1ST STREET,
CLOVERDALE, CA 95425



DESCRIPTION:

90% REVIEW SET
100% CONSTRUCTION DOCUMENTS

DATE:

1/31/2025
8/11/2025

ISSUED FOR CONSTRUCTION

PROJECT NUMBER:
231103

SHEET TITLE:
DETAILS

SHEET NUMBER:

E7.1

Permit #: BLD24-2003.R01 Plans Examiner: Paul Marquet
REVIEWED FOR CODE COMPLIANCE - PERMIT SONOMA