

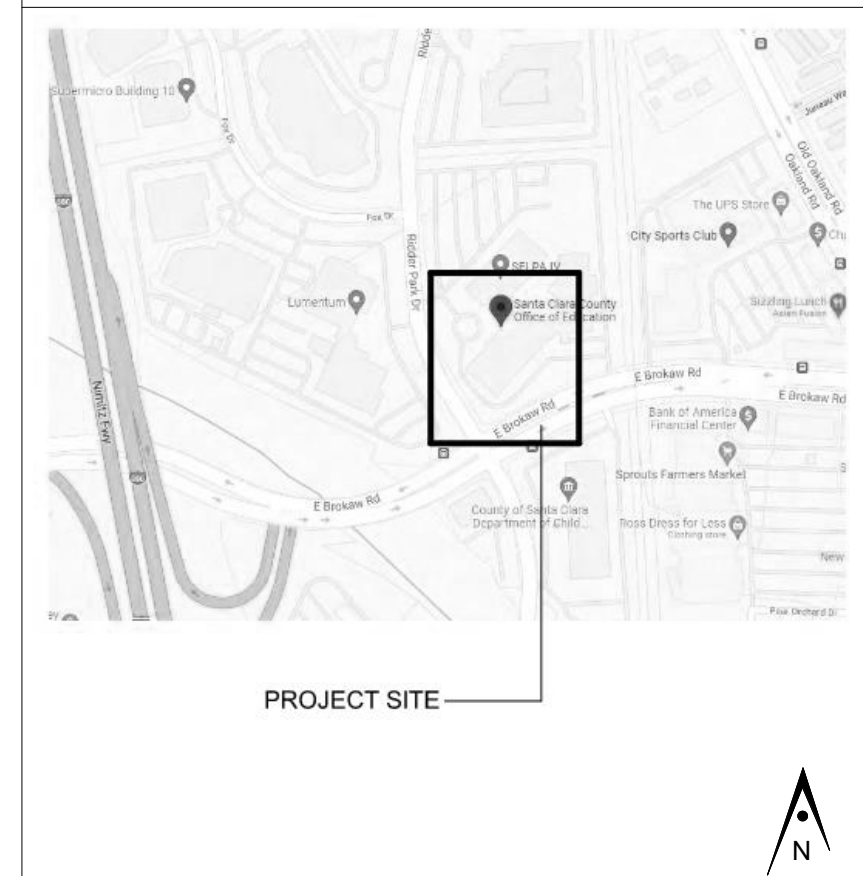
# SCCOE BACKUP GENERATOR BUILDING SUBMITTAL

1290 Ridder Park Dr, San Jose



394-A Umbarger Rd  
San Jose, CA 95111  
Phone 408.224.9890  
Fax 408.224.9891  
www.ArtikA3.com

## VICINITY MAP



## PROJECT DIRECTORY

ARCHITECT	ARTiK Art & Architecture 394-A Umbarger Road San Jose, CA 95111 (408) 224-9890
CLIENT	SANTA CLARA COUNTY OFFICE OF EDUCATION 1290 RIDDER PARK DRIVE MC 254 SANTA CLARA, CA 95131-2304 (408) 453-8684
CIVIL ENGINEER	UNDERWOOD & ROSENBLUM, INC. 1630 OAKLAND ROAD, SUITE A114 SAN JOSE, CA 95131 (408) 453-1222
LANDSCAPE ENGINEER	ANLA ASSOCIATES, INC. 1213 LINCOLN AVE, SUITE 211 SAN JOSE, CA 95125 (408) 292-2196
STRUCTURAL ENGINEER	DUQUETTE ENGINEERING 1171 HOMESTEAD ROAD, SUITE 275 SANTA CLARA, CA 95050 408-615-9200
ELECTRICAL ENGINEER	AEC ALLIANCE ENGINEERING CONSULTANTS, INC. 4701 PATRICK HENRY DRIVE BUILDING 10 SANTA CLARA, CA 95054 (408) 970-9888

## GENERAL NOTES

- Existing construction data shown on the drawings was obtained from available drawings. The contractor shall verify all existing conditions and shall notify the architect of all exceptions before proceeding with the work.
- See architectural drawings for layout dimensions and elevations except where indicated otherwise.
- All discrepancies between drawings shall be clarified with the architect prior to proceeding with work.
- In the event that certain features of the construction are not fully shown or detailed on the drawings or called for in the general notes, then their construction shall be of the same character as similar conditions that are shown or called for.
- Dimensions, elevations, and existing conditions shall be checked and verified on the job site by each contractor. Errors, omissions or discrepancies shall be reported to the architect before work begins or supplies are ordered.
- Verify electrical, mechanical, fire alarm, telephone and security requirements before construction begins.
- Work shall be performed in conformance with local, county, state and federal codes, laws, and regulations applicable to this work.
- Any item identified to be demolished, removed or relocated is to be completely removed, including but not limited to any concealed items (pipes, curbs, framing, beams, fasteners, etc.). All items within a demolished area that must be rerouted in order to maintain continuity shall be done so in accordance with appropriate specification sections in the project manual at no additional cost. If no specification can be found within the project manual, then continuity shall be maintained by current standard methods for construction but not lesser in quality than existing. Any area of demolition or removal shall be left in a completely finished condition as outlined in the project manual.
- All case work to be attached to walls and floors as indicated on drawings. If no specific detail is referenced, use the details referenced for similar conditions on other case work.
- Food handling facilities shall comply with local/ county health department requirements.
- On Architectural, Civil, Landscape, and Plumbing sections, materials and their installation shall comply with applicable codes, standards, and manufacturer's recommendations.
- Per CBC 11B-104.1, All dimensions are subject to conventional industry tolerances except where the requirement is stated as a range with specific minimum and maximum end points.

## GOVERNING CODES

LIST OF 2019 CALIFORNIA CODE OF REGULATIONS (C.C.R.) as of January 1, 2019:

2019	California Administrative Code (CAC), Part 1, Title 24 C.C.R.
2019	California Building Code (CBC) Part 2, Title 24 C.C.R. (2015 International Building Code with 2019 California Amendments)
2019	California Electric Code (CEC), Part 3, Title 24 C.C.R. (2014 National Electric Code with 2019 California Amendments)
2019	California Mechanical Code (CMC), Part 4, Title 24 C.C.R. (2015 Uniform Mechanical Code with 2019 California Amendments)
2019	California Plumbing Code (CPC), Part 5, Title 24 C.C.R. (2015 Uniform Plumbing Code with 2019 California Amendments)
2019	California Energy Code (CEnc), Part 6, Title 24 C.C.R.
2019	California Historical Building Code (CHBC), Part 8, Title 24 C.C.R. (2019 California Amendments)
2019	California Fire Code (CFC), Part 9, Title 24 C.C.R. (2015 International Fire Code with 2019 California Amendments)
2019	California Existing Building Code (CEBC), Part 10, Title 24 C.C.R. (2015 International Existing Building Code and 2019 California Amendments)
2019	California Green Building Standards Code (CALGreen), Part 11, Title 24 C.C.R.
2019	California Referenced Standards Code, Part 12, Title 24 C.C.R. Title-19 (C.C.R.), Public Safety, State Fire Marshal Regulations.
2013	ASME A17.1/CSA B44-13 Safety Code for Elevators and Escalators

## SYMBOL LEGEND

**ROOM IDENTIFICATION**

**CLASSROOM**  
Room Name: 1  
Room Number: A101  
Room Area: 450 SF

**GRID IDENTIFICATION**  
1

**BUILDING SECTION**  
1  
A7.01

**DEMOLITION KEY NOTE NUMBER**  
<01>

**KEY NOTE NUMBER**  
01

**PARTITION TYPE**  
A

**CASEWORK IDENTIFICATION**  
36" x 34" x 100" x 24"

**CEILING HEIGHT**  
+ 10'-0"

**WINDOW TYPE**  
A

**DOOR IDENTIFICATION**  
A101.1

**CONTROL POINT**  
●

**REVISION**  
1

**NORTH ARROW**  
N

## ABBREVIATIONS

A.C.	ACCESSIBLE	GYP.	GYPSUM
A.F.F.	ABOVE FINISH FLOOR	H.B.	HOSE BIB
ARCH.	ARCHITECTURAL	I.D.	INSIDE DIAMETER
ASSEM.	ASSEMBLY	IN.	INCH
BD.	BOARD	INFO.	INFORMATION
BLDG.	BUILDING	INSUL.	INSULATION
BLK.	BLOCK	LAV.	LAVATORY
BLKG.	BLOCKING	MAX.	MAXIMUM
CAB.	CABINET	MTL.	METAL
C.B.	CATCH BASIN	MFR.	MANUFACTURER
CEM.	CEMENT	M.H.	MAN HOLE
CER.	CERAMIC	MIN.	MINIMUM
C.I.	CAST IRON	MISC.	MISCELLANEOUS
C.J.	CONTROL JOINT	(N)	NEW
CL	CENTER LINE	N/A	NOT APPLICABLE
CLR.	CLEAR	N.I.C.	NOT IN CONTRACT
CLKG.	CAULKING	N.T.S.	NOT TO SCALE
COL.	COLUMN	O.C.	ON CENTER
CONC.	CONCRETE	O.D.	OUTSIDE DIAMETER
CONF.	CONFERENCE	OFCl	OWNER FURNISHED CONTRACTOR INSTALLED
CONN.	CONNECTION	OPP.	OPPOSITE
CONT.	CONTINUOUS	PAV.	PAVING
CORR.	CORRIDOR	P.D.F.	POWDER DRIVEN FASTENER
C.P.F.	CEMENT PLASTER FINISH SYSTEM	PL.	PLATE
CTSK.	COUNTERSINK	P.T.D.	PAPER TOWEL DISPENSER
CTR.	CENTER	RAD.	RADIUS
C.W.	COLD WATER	REF.	REFRIGERATOR
DBL.	DOUBLE	RM.	ROOM
D.F.	DRINKING FOUNTAIN	R.D.	ROOF DRAIN
DET.	DETAIL	REQ.	REQUIRED
DIA.	DIAMETER	R.C.P.	REFLECTED CEILING PLAN
DIM.	DIMENSION	RVL.	REVEAL
DN.	DOWN	R.W.L.	RAIN WATER LEADER
DR.	DOWNSPOUT	S.A.D.	SEE ARCHITECTURAL DRAWINGS
DS.	DRAWING	S.C.	SOLID CORE
DWG.	DRAWING	S.D.	SOAP DISPENSER
EA.	EACH	SEC.	SECTION
E.J.	EXPANSION JOINT	SHT.	SQUARE FOOT
ELEV.	ELEVATION	SIM	SHEET SIMILAR
ELEC.	ELECTRICAL	S.M.S.	SHEET METAL SCREW
EQ.	EQUAL	SPEC.	SPECIFICATION
(E)	EXISTING	STD.	STANDARD
EXT.	EXTERIOR	STL.	STEEL
EXP.	EXPANSION	STRUCT.	STRUCTURAL
F.A.	FIRE ALARM	T.C.	TOP OF CURB
F.D.	FLOOR DRAIN	TEL	TELEPHONE
F.DN.	FOUNDATION	T.O.P.	TOP OF PARAPET
F.E.	FIRE EXTINGUISHER	T.P.	TOP OF PAVEMENT
F.H.	FIRE HYDRANT	T.P.D.	TOILET PAPER DISPENSER
FHWS	FLAT HEAD WOOD SCREW	T.W.	TOP OF WALL
FIN.	FINISH	TYP	TYPICAL
F.F.	FINISH FLOOR	U.O.N.	UNLESS OTHERWISE NOTED
F.P.	FIRE PROTECTION	V.I.F.	VERIFY IN FIELD
FT.	FOOT	W/	WITH
GA.	GAUGE	W.C.	WATER CLOSET
GALV.	GALVANIZED	WD.	WOOD
G.B.	GRAB BAR	W/O	WITHOUT
G.I.	GALVANIZED IRON	W.P.	WATERPROOF
G.W.B.	GYPSUM WALL BOARD	W.R.	WATER RESISTANT
		W.S.	WEATHER STRIPPING

## SCOPE OF WORK

INSTALLATION OF TWO 600 KW BACKUP GENERATORS - S1-SOUTH GENERATOR, CONCRETE PAD, 10' WALL ENCLOSURE, AND S-2 NORTH GENERATOR, CONCRETE PAD, 8' TALL FENCE ENCLOSURE, (MIS) CONCRETE PAD AND ASSOCIATED ELECTRICAL, LANDSCAPE AND CIVIL SITE WORK

## PRIOR DEVELOPMENT PERMITS

PREVIOUS PERMITS: C80-07-197, T81-11-170, H88-10-174, AD95-791, AD96-021, GP97-4-4, PP00-025, AD13-522 SP21-032

## FOR OFFICIAL USE ONLY

## SHEET INDEX

APN#: 237-03-039

ARCHITECTURAL	A0.01 TITLE SHEET
	A1.10 OVERALL SITE PLAN
	A1.11 DEMOLITION SITE PLAN
	A2.10 ENLARGED SITE PLAN - SOUTH GENERATOR
	A2.11 ENLARGED SITE PLAN - NORTH GENERATOR
	A8.01 EXTERIOR ELEVATIONS - SOUTH GENERATOR
	A8.02 EXTERIOR ELEVATIONS - NORTH GENERATOR
	A12.11 SITE DETAILS
	A12.12 SITE DETAILS
	A12.32 EXTERIOR DETAILS

## STRUCTURAL

S0.0	STRUCTURAL SPECS, ABBREVIATIONS SYMBOLS LEGEND
S1.0	GENERAL PLANS DETAILS

## CIVIL

C0	COVER SHEET
C1	ENLARGED PLAN N BUILDING DEMOLITION PLAN
C1.1	ENLARGED PLAN S BUILDING DEMOLITION PLAN
C2	ENLARGED PLAN N BUILDING GRADING AND UTILITY PLAN
C2.1	ENLARGED PLAN S BUILDING GRADING AND UTILITY PLAN
C3	DETAILS

## LANDSCAPE

L1.1	IRRIGATION PLAN
L1.2	IRRIGATION DETAILS
L1.3	SOUTH BAY RECYCLED WATER IRRIGATION NOTES AND DETAILS
L2.1	PLANTING PLAN
L2.2	TREE MITIGATION PLAN
L2.3	PLANTING DETAILS

## ELECTRICAL

E-1	ELECTRICAL GENERAL
E-2	ELECTRICAL SITE PLAN
E-3	ENLARGED PLAN - SOUTH BUILDING SERVICE
E-4	ENLARGED PLAN - NORTH BUILDING SERVICE
E-5	SINGLE LINE DIAGRAM BLDG #1
E-6	SINGLE LINE DIAGRAM BLDG #3
E-7	GENERATOR DETAILS
E-8	SWITCHBOARD DETAIL - BLDG#1
E-9	SWITCHBOARD DETAIL - BLDG#3

## CONSULTANTS' STAMP

**Key Plan**

**Project Title**

**SCCOE BACKUP GENERATOR**  
1290 Ridder Park Dr, San Jose

**SANTA CLARA COUNTY OFFICE OF EDUCATION**

No.	Description	Date
	BUILDING SUBMITTAL	07/11/22
1	BUILDING RESUBMITTAL	02/07/23

**Drawing Title**

**TITLE SHEET**

**Architect Seal**

<b>DSA File No.</b>	<b>Drawing No.</b>
<b>DSA Application No.</b>	<b>A0.01</b>
<b>Date</b>	7/11/22
<b>Project Number</b>	06451

**PLANNING DATA**

APN#: 237-03-039  
 ZONING: IP  
 GENERAL PLAN 2040: Industrial Park  
 TOTAL SITE ACREAGE: 9.00 (see attached Assessor's map)

**BUILDING DATA**

**EXISTING BUILDINGS:**

**(E) BUILDING 2 - NORTH BUILDING - NO ADDED AREA OR CHANGE OF OCCUPANCY**

TYPE OF CONSTRUCTION: II-1HR (SPRINKLERED)  
 FIRE PROTECTION: SPRINKLERED  
 OCCUPANCY TYPE: B, A-3, E  
 TOTAL BUILDING AREA: 84,514 SF  
 NUMBER OF STORIES: 3 STORIES  
 EXISTING HEIGHT: 50'-0"

**(E) BUILDING 2 - SOUTH BUILDING - NO ADDED AREA OR CHANGE OF OCCUPANCY**

TYPE OF CONSTRUCTION: II-1HR (SPRINKLERED)  
 FIRE PROTECTION: SPRINKLERED  
 OCCUPANCY TYPE: B  
 TOTAL BUILDING AREA: 83,672 SF  
 NUMBER OF STORIES: 3 STORIES  
 EXISTING HEIGHT: 50'-0"

**(E) BUILDING 3 - EAST BUILDING - NO ADDED AREA OR CHANGE OF OCCUPANCY**

TYPE OF CONSTRUCTION: V-N (SPRINKLERED)  
 FIRE PROTECTION: SPRINKLERED  
 OCCUPANCY TYPE: B  
 TOTAL BUILDING AREA: 24,448 SF  
 NUMBER OF STORIES: 1 STORY  
 EXISTING HEIGHT:

**NEW SITE WORK:**

**S1 - SOUTH GENERATOR ENCLOSURE**

OCCUPANCY TYPE: U  
 HEIGHT: 8'-0"  
 TOTAL AREA - 500 SF  
 OUTDOOR IMPROVEMENTS - 1,000 SF

**S2 - NORTH GENERATOR ENCLOSURE**

OCCUPANCY TYPE: U  
 HEIGHT: 8'-8"  
 TOTAL AREA - 400 SF  
 OUTDOOR IMPROVEMENTS - 2,300 SF

**PARKING ANALYSIS**

**(E) PARKING LOT**  
 TOTAL PARKING SPACES 647 PARKING SPACES  
 SOUTH AND NORTH GENERATOR 5 PARKING SPACES REMOVED

**TOTAL PARKING SPACES PROVIDED 642 PARKING SPACES**

ACCESSIBLE SPACES PROVIDED 13 (9 (E) ACCESSIBLE; 4(E) ACCESSIBLE VAN)  
 (E) OFFICES FLOOR AREA NET SQUARE FOOTAGE 173,278 SF  
 590 PARKING SPACES REQUIRED

(E) WAREHOUSE FLOOR AREA GROSS SQUARE FOOTAGE 23,850 SF  
 5 PARKING SPACES REQUIRED

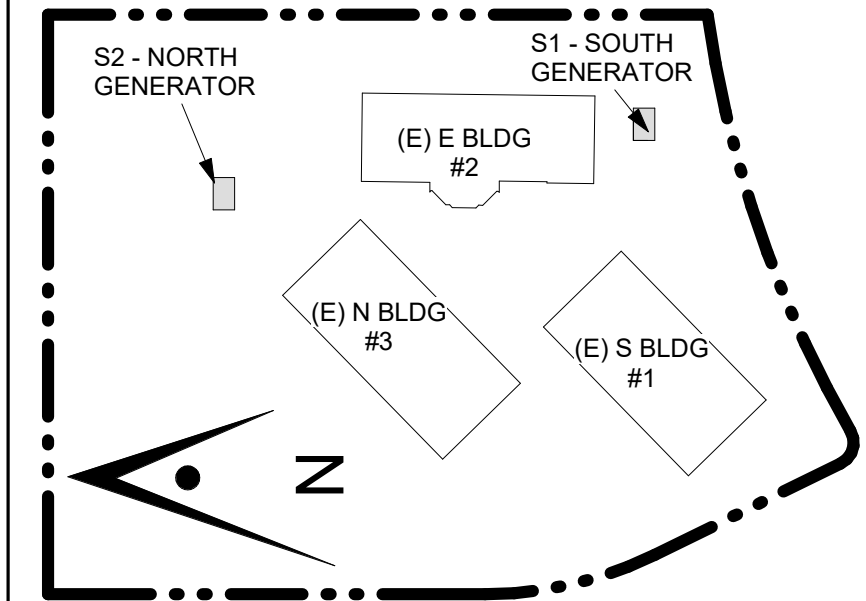
**TOTAL VEHICLE PARKING SPACES REQUIRED 595 PARKING SPACES**



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**CONSULTANT'S STAMP**

**Key Plan**



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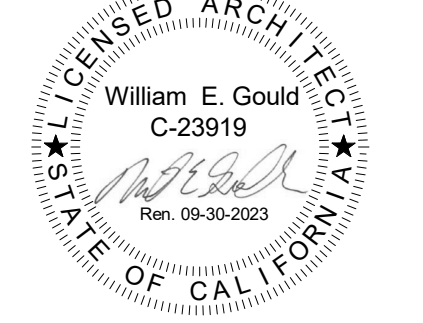
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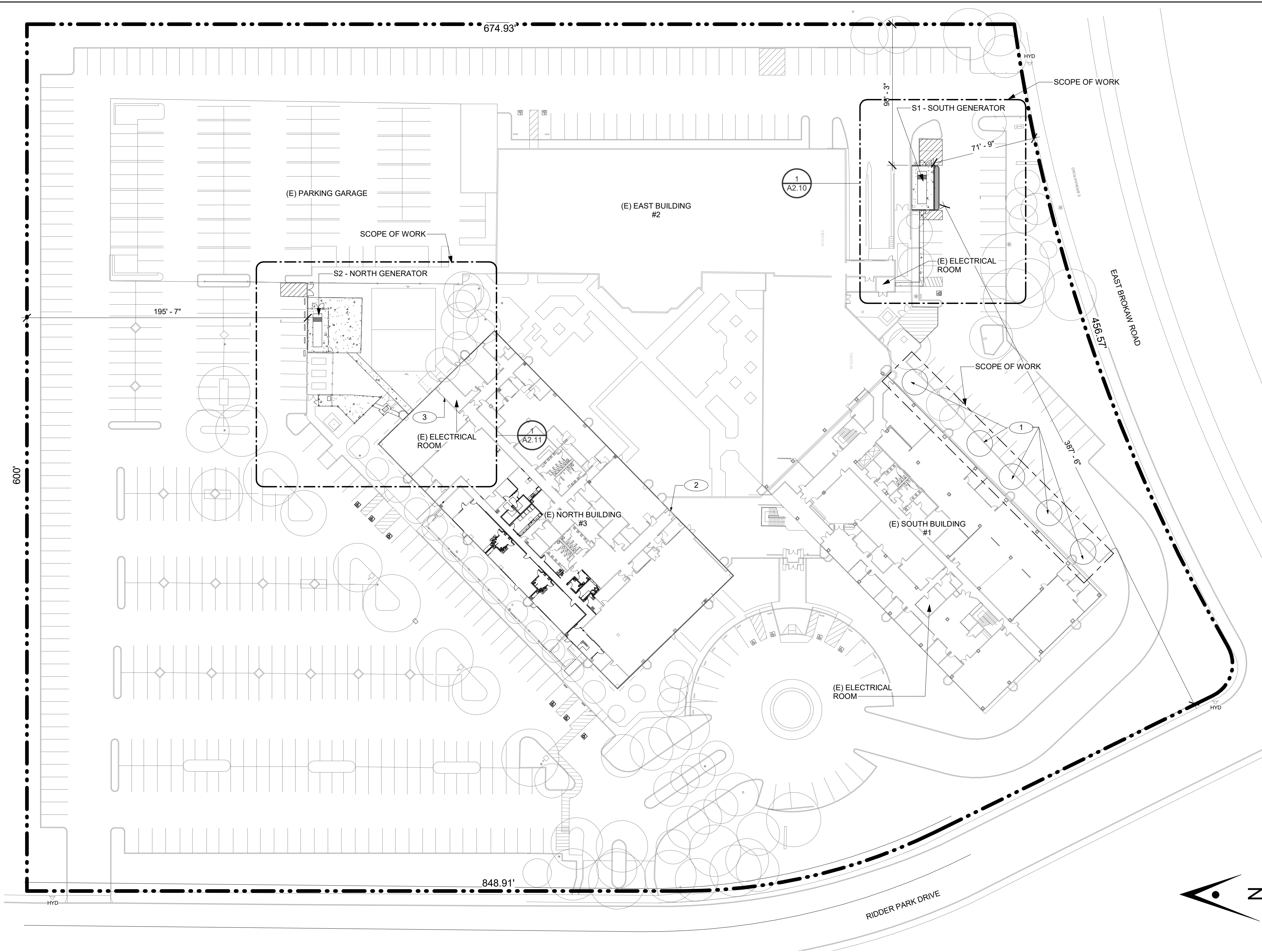
**Drawing Title**

**OVERALL SITE PLAN**

**Architect Seal**



<b>File No.</b>	<b>Drawing No.</b>
<b>Application No.</b>	<b>A1.10</b>
<b>Date</b>	
<b>Project Number</b>	



1 OVERALL SITE PLAN 1" = 40'-0"

**GENERAL NOTES**

**KEYNOTES**

- 1 (N) TREE. REFER TO LANDSCAPE DRAWINGS & SPECIFICATION, TYP TO ALL
- 2 2 HOUR FIRE RATED WALL, S.E.D
- 3 1 HOUR FIRE RATED WALL, S.E.D

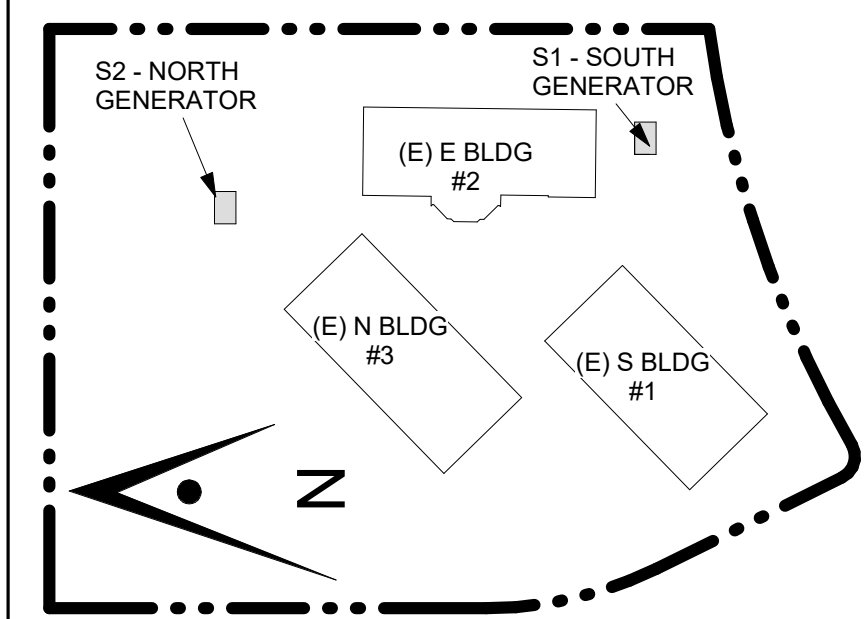
**GRAPHIC KEY**

- AREA OF NEW WORK
- EXISTING BUILDING & ITEMS TO REMAIN
- NEW CONCRETE PAVEMENT, S.C.D.
- PROPERTY LINE
- (E) FIRE HYDRANT TO REMAIN



CONSULTANT'S STAMP

Key Plan



Project Title

**SCCOE BACKUP GENERATOR**

1290 Ridder Park Dr, San Jose

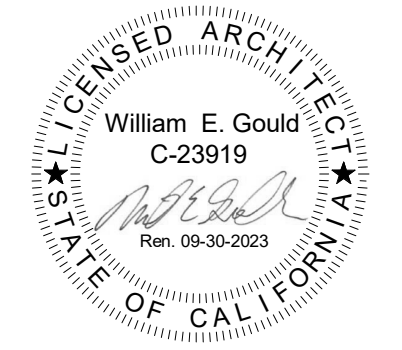
SANTA CLARA COUNTY OFFICE OF EDUCATION

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Drawing Title

**DEMOLITION SITE PLAN**

Architect Seal



File No.

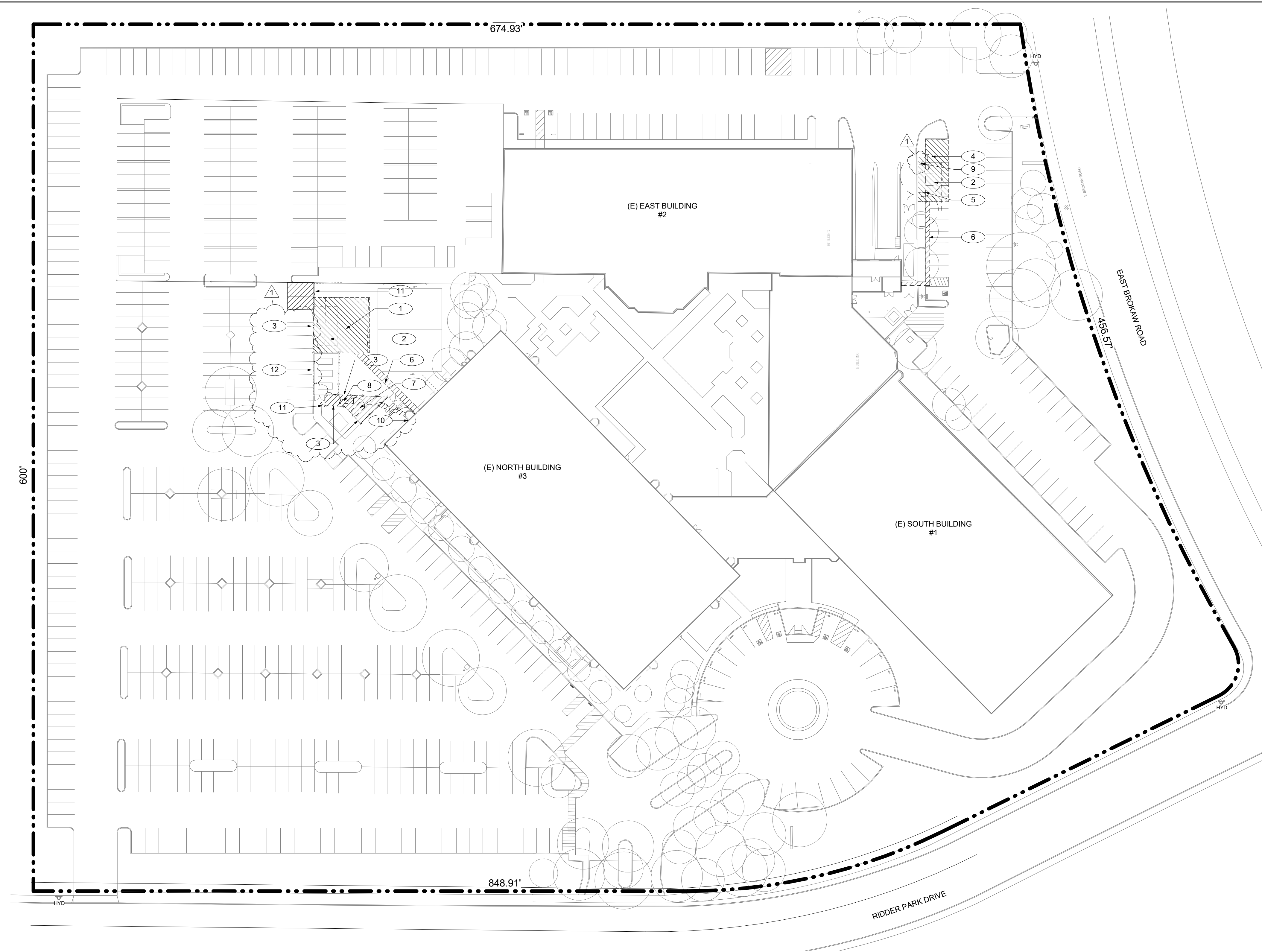
Application No.

Date  
7/11/22

Project Number  
06451

Drawing No.

**A1.11**



1 OVERALL SITE PLAN DEMOLITION Copy 1

1" = 40'-0"

**GENERAL NOTES**

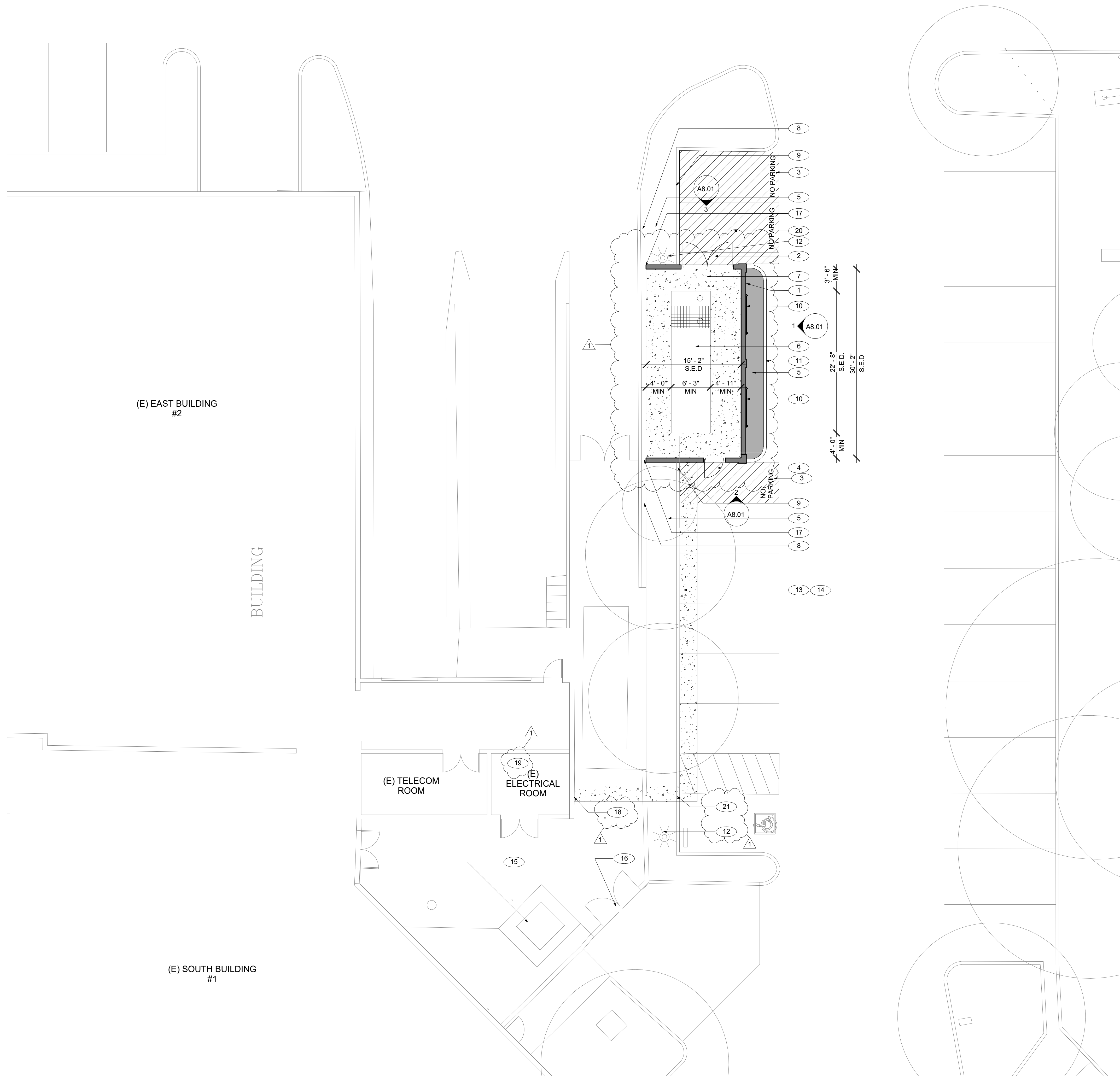
- TYP. (E) TO REMAIN UNLESS OTHERWISE NOTED. PROTECT ALL WORK TO BE RE-INSTALLED. ANY DAMAGE SHALL BE REPAIRED/REPLACED TO OWNER'S SATISFACTION.
- SEE CIVIL, AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
- DEMOLITION PLAN IS DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY EXTENT OF DEMOLITION REQUIRED TO ACCOMMODATE CONSTRUCTION EVEN IF NOT SPECIFICALLY INDICATED ON ON THE DEMOLITION DRAWINGS.
- CONTRACTOR TO PROTECT ALL (E) SITE FIXTURES FROM DAMAGE INCLUDING BUT NOT LIMITED TO; STRUCTURES, UTILITIES, TREES, LANDSCAPING, AND SITE WORK.
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ACTUAL CONDITIONS PRIOR TO COMMENCEMENT OF ACTUAL WORK.

**KEYNOTES**

- DEMO (E) PLANTERS AND GARDEN AND PREPARE TO RECEIVE NEW CONCRETE PAVING/ CONCRETE PAD. SEE NEW PLAN FOR MORE INFORMATION.
- DEMO (E) CONCRETE/ AC TO RECEIVE (N) CONCRETE PAD. SEE NEW PLAN FOR MORE INFORMATION.
- DEMO (E) FENCE. SEE NEW PLAN FOR MORE INFORMATION
- DEMO (E) TREE. S.L.D. FOR MORE INFORMATION
- DEMO (E) CURB AND PLANTING
- (N) TRENCH, SAWCUT (E) AC FOR ELECTRICAL CONDUITS. SEE CIVIL AND ELECTRICAL DRAWINGS.
- DEMO (E) GENERATOR, CONCRETE PAD AND ALL RELATED ACCESSORIES, S.E.D. PREPARE TO RECEIVE NEW CONCRETE PAVING
- DEMO (E) FUEL TANK, CONCRETE PAD AND ALL RELATED ACCESSORIES, S.E.D. PREPARE TO RECEIVE NEW CONCRETE PAVING
- (E) LIGHT POLE TO REMAIN. PROTECT DURING CONSTRUCTION. SEE NEW PLAN AND ELECTRICAL DRAWINGS
- DEMO (E) ELECTRICAL CONDUIT AND EQUIPMENT FOR DEMOLISHED GENERATOR.
- DEMO (E) GATE. SEE NEW PLANS FOR MORE INFORMATION.
- (E) CHAINLINK FENCE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION

**GRAPHIC KEY**

- (E) ITEMS TO REMAIN
- (E) ELEMENTS TO BE REMOVED/DEMOLISHED
- EXTENTS OF DEMOLITION. REFER TO LANDSCAPE, CIVIL AND ELECTRICAL PLANS FOR MORE INFORMATION



**GENERAL NOTES**

- CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. EXISTING OVERALL SITE FEATURES ARE SHOWN FOR REFERENCE ONLY. EXACT SIZES AND LOCATIONS MAY NOT BE TRUE TO SCALE.
- CONTRACTOR TO PROTECT ALL (E) SITE FEATURES TO REMAIN FROM DAMAGE INCLUDING BUT NOT LIMITED TO, STRUCTURES, UTILITIES, TREES, LANDSCAPING AND SITE WORK.
- REFER TO TEMPORARY TREE AND PLANT PROTECTION SPECIFICATION AND DETAIL A14.3 FOR ALL EXISTING-TO-REMAIN TREES. S.L.D
- CONTRACTOR SHALL COORDINATE ROUGH GRADING AND FINE GRADING TO ENSURE EXISTING SUITABLE TOPSOIL IS REMOVED, STOCKPILED AND REINSTALLED INTO ALL PROPOSED LANDSCAPE AREAS PER LANDSCAPE SPECIFICATION. IN THE EVENT THERE IS NOT ENOUGH EXISTING TOPSOIL, OR NO PLACE TO STOCKPILE TOPSOIL, CONTRACTOR SHALL IMPORT AND INSTALL TOPSOIL PER LANDSCAPE SPECIFICATION. S.L.D

**KEYNOTES**

- (N) 10' HIGH STUCCO WALL, SEE A12.32
- 8' WIDE X 7' HIGH ORNAMENTAL GATE. SEE DETAIL 2/A12.11
- NO PARKING IN 12" HIGH LETTERS AND NEW STRIPING
- 3' WIDE X 7' HIGH ORNAMENTAL GATE. SEE DETAIL 2/A12.11
- (N) PLANTER, REFER TO LANDSCAPE DRAWINGS & SPECIFICATION, TYP TO ALL
- GENERATOR, S.E.D
- NEW CONCRETE PAD, S.S.D.
- (E) 8' TALL WALL. PROTECT DURING CONSTRUCTION
- (E) CURB. PROTECT DURING CONSTRUCTION
- (N) MODULAR PLANT TRELLIS. BASIS OF DESIGN VERTIGREEN BY TOURNERSOL
- (N) CURB RAMP. S.C.D.
- (E) LIGHT POLE TO REMAIN. PROTECT DURING CONSTRUCTION. SEE NEW PLAN AND ELECTRICAL DRAWINGS
- PATCH AND REPAIR PAVING TO MATCH EXISTING ADJACENT. S.C.D
- (N) AC PAVING, TYP. S.C.D.
- (E) PG&E TRANSFORMER TO REMAIN. PROTECT DURING CONSTRUCTION.
- (E) GATE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION
- SEE STRUCTURAL DRAWINGS FOR WALL ATTACHMENT
- PATCH AND REPAIR (E) WALL TO MATCH ADJACENT EXISTING CEMENT PLASTER, SEE A12.32.
- (N) ELECTRICAL EQUIPMENT. S.E.D
- (N) AC OVERLAY, S.C.D.
- S.S.D. FOR ELEC CONDUITS FOUNDATION PENETRATION DETAIL.

**GRAPHIC KEY**

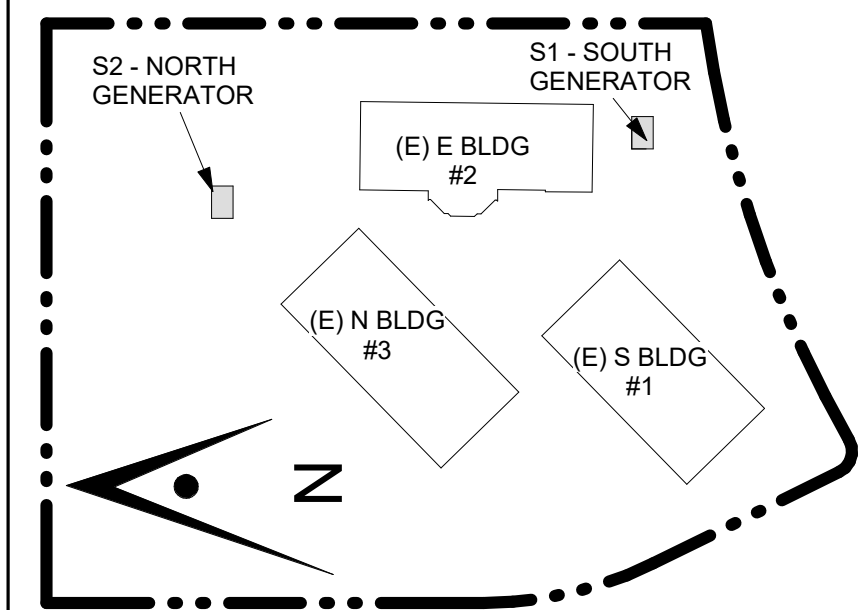
- EXISTING ITEMS
- NEW ITEMS
- NEW CONSTRUCTION WALL
- NEW CONCRETE PAVEMENT, S.C.D.



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**CONSULTANT'S STAMP**

**Key Plan**



**Project Title**

**SCCOE BACKUP GENERATOR**

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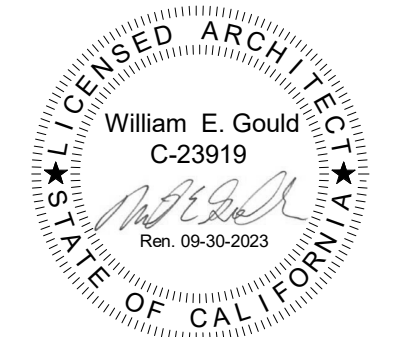
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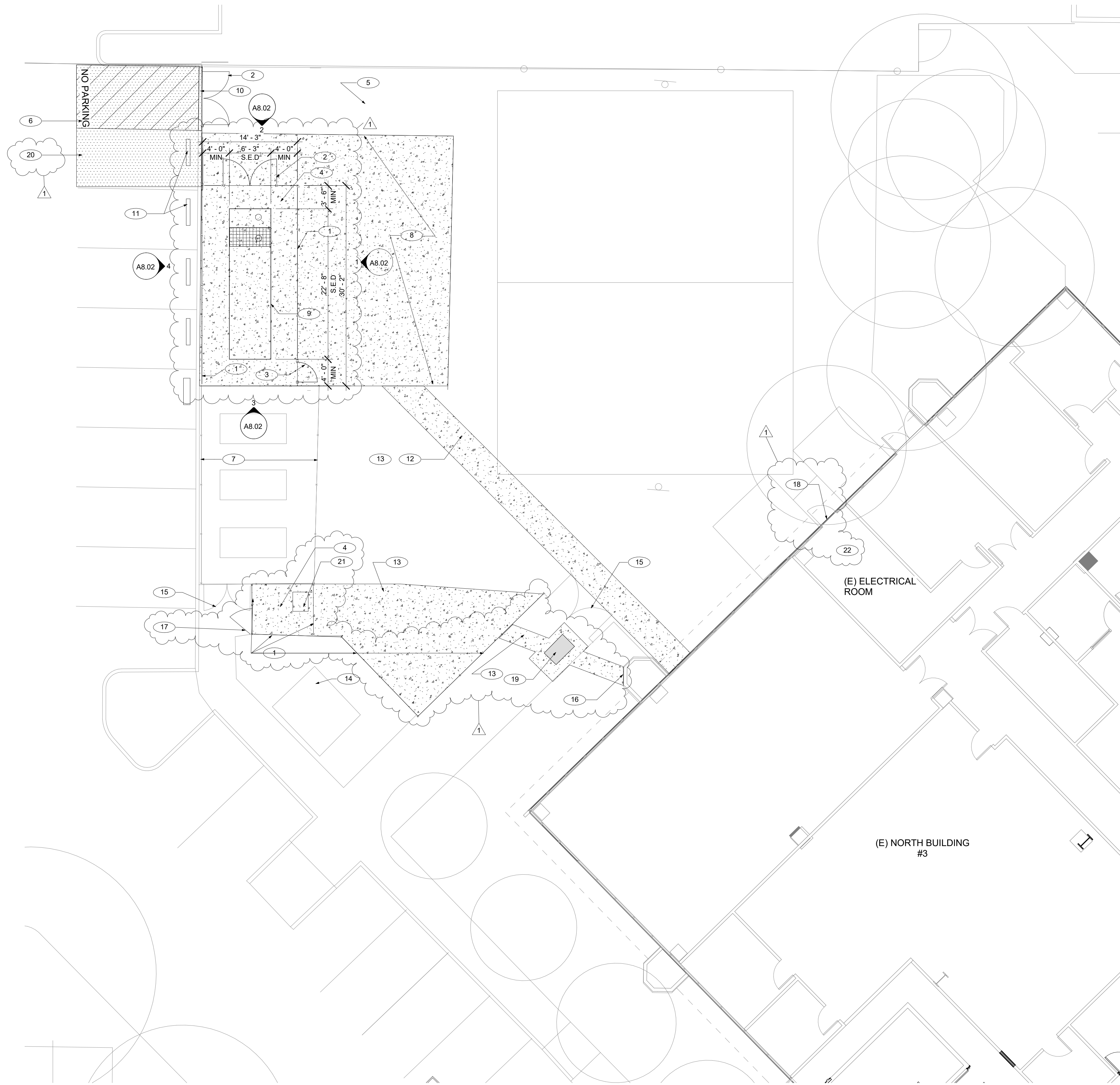
**ENLARGED SITE PLAN - SOUTH GENERATOR**

**Architect Seal**



<b>File No.</b>	<b>Drawing No.</b>
<b>Application No.</b>	<b>A2.10</b>
<b>Date</b>	
<b>Project Number</b>	





**GENERAL NOTES**

1. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. EXISTING OVERALL SITE FEATURES ARE SHOWN FOR REFERENCE ONLY. EXACT SIZES AND LOCATIONS MAY NOT BE TRUE TO SCALE.
2. CONTRACTOR TO PROTECT ALL (E) SITE FEATURES TO REMAIN FROM DAMAGE INCLUDING BUT NOT LIMITED TO, STRUCTURES, UTILITIES, TREES, LANDSCAPING AND SITE WORK.
3. REFER TO TEMPORARY TREE AND PLANT PROTECTION SPECIFICATION AND DETAIL A14.3 FOR ALL EXISTING-TO-REMAIN TREES, S.L.D.
4. CONTRACTOR SHALL COORDINATE ROUGH GRADING AND FINE GRADING TO ENSURE EXISTING SUITABLE TOPSOIL IS REMOVED, STOCKPILED AND REINSTALLED INTO ALL PROPOSED LANDSCAPE AREAS PER LANDSCAPE SPECIFICATION. IN THE EVENT THERE IS NOT ENOUGH EXISTING TOPSOIL, OR NO PLACE TO STOCKPILE TOPSOIL, CONTRACTOR SHALL IMPORT AND INSTALL TOPSOIL PER LANDSCAPE SPECIFICATION. S.L.D.

**KEYNOTES**

- 1 (N) 8'-8" TALL GALVANIZED CHANLINK FENCE WITH LIGHT BROWN PRIVACY SLATS. COLOR AND HEIGHT TO MATCH ADJACENT EXISTING. 4/A12.12
- 2 8' WIDE X 8'-8" HIGH GALVANIZED CHANLINK GATE WITH LIGHT BROWN PRIVACY SLATS. COLOR AND HEIGHT TO MATCH EXISTING. SEE DETAIL 6/A12.12
- 3 3' WIDE X 8'-8" HIGH GALVANIZED CHANLINK GATE WITH LIGHT BROWN PRIVACY SLATS. SEE DETAIL 5/A12.12
- 4 NEW CONCRETE PAD, S.S.D.
- 5 (E) CONCRETE PAVING TO REMAIN, TYP.
- 6 NO PARKING IN 12" HIGH LETTERS AND NEW STRIPING
- 7 (E) CHANLINK FENCE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION
- 8 (N) CONCRETE PAVING
- 9 GENERATOR, S.E.D.
- 10 (N) FLUSH CURB, S.C.D.
- 11 (N) WHEEL STOP, TYP. S.C.D.
- 12 PATCH AND REPAIR PAVING TO MATCH EXISTING ADJACENT. S.C.D.
- 13 (N) CONCRETE PAVING, TYP. S.C.D.
- 14 (E) PG&E TRANSFORMER TO REMAIN. PROTECT DURING CONSTRUCTION.
- 15 (E) GATE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION
- 16 PATCH THE WALLS AFTER REMOVING OF (E) PANELS AND CONDUITS, MATCH CEMENT PLASTER WITH EXISTING, SEE A12.32.
- 17 4' WIDE X 8'-8" HIGH GALVANIZED CHANLINK GATE WITH LIGHT BROWN PRIVACY SLATS. SEE DETAIL 5/A12.12
- 18 REMOVE & RE-INSTALL (E) STOREFRONT FOR ELECTRICAL EQUIPMENT INSTALLATION. COORDINATE WITH ELECTRICAL DRAWINGS.
- 19 (N) PULL BOX, SEE CIVIL AND ELECTRICAL DWG.
- 20 (N) AC OVERLAY TO FLUSH WITH CURB. S.C.D.
- 21 (N) MTS AND CONCRETE PAD. S.E.D. & S.S.D.
- 22 (N) ELECTRICAL EQUIPMENT. S.E.D.

**GRAPHIC KEY**

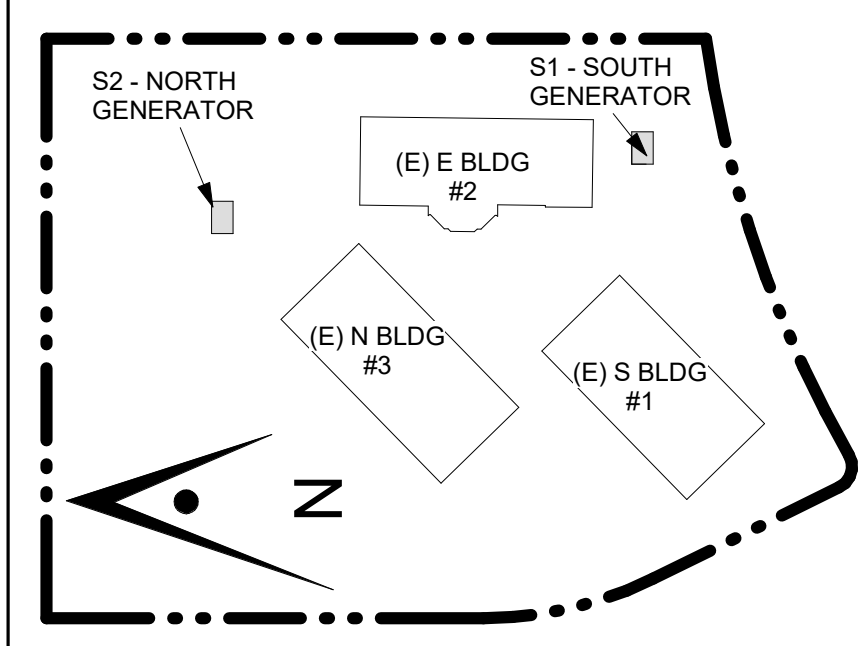
- EXISTING ITEMS
- NEW ITEMS
- NEW CONSTRUCTION WALL
- NEW CONCRETE PAVEMENT, S.C.D.



394-A Umbarger Rd  
 San Jose, CA 95111  
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**CONSULTANT'S STAMP**

**Key Plan**



**Project Title**

**SCCOE BACKUP GENERATOR**

1290 Ridder Park Dr, San Jose

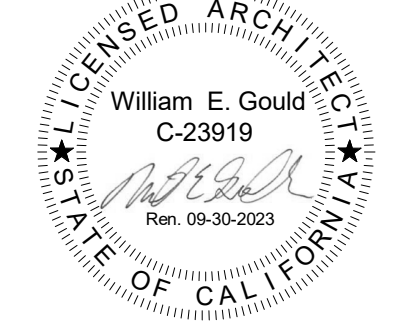
**SANTA CLARA COUNTY OFFICE OF EDUCATION**

No.	Description	Date
	BUILDING SUBMITTAL	07/11/22
1	BUILDING RESUBMITTAL	02/07/23

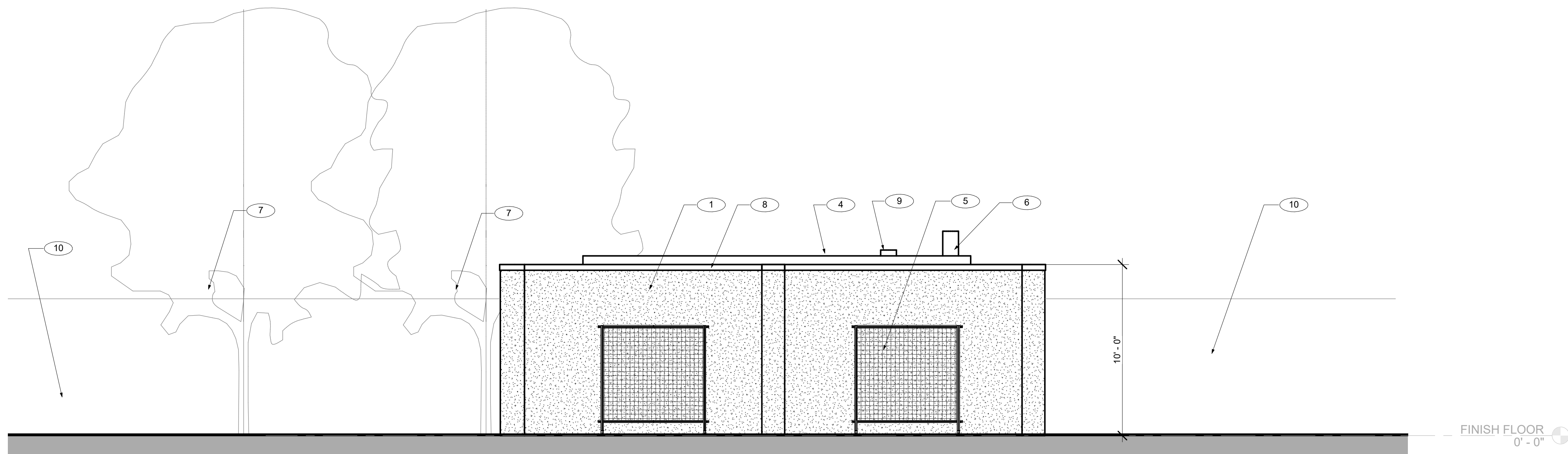
**Drawing Title**

**ENLARGED SITE PLAN - NORTH GENERATOR**

**Architect Seal**

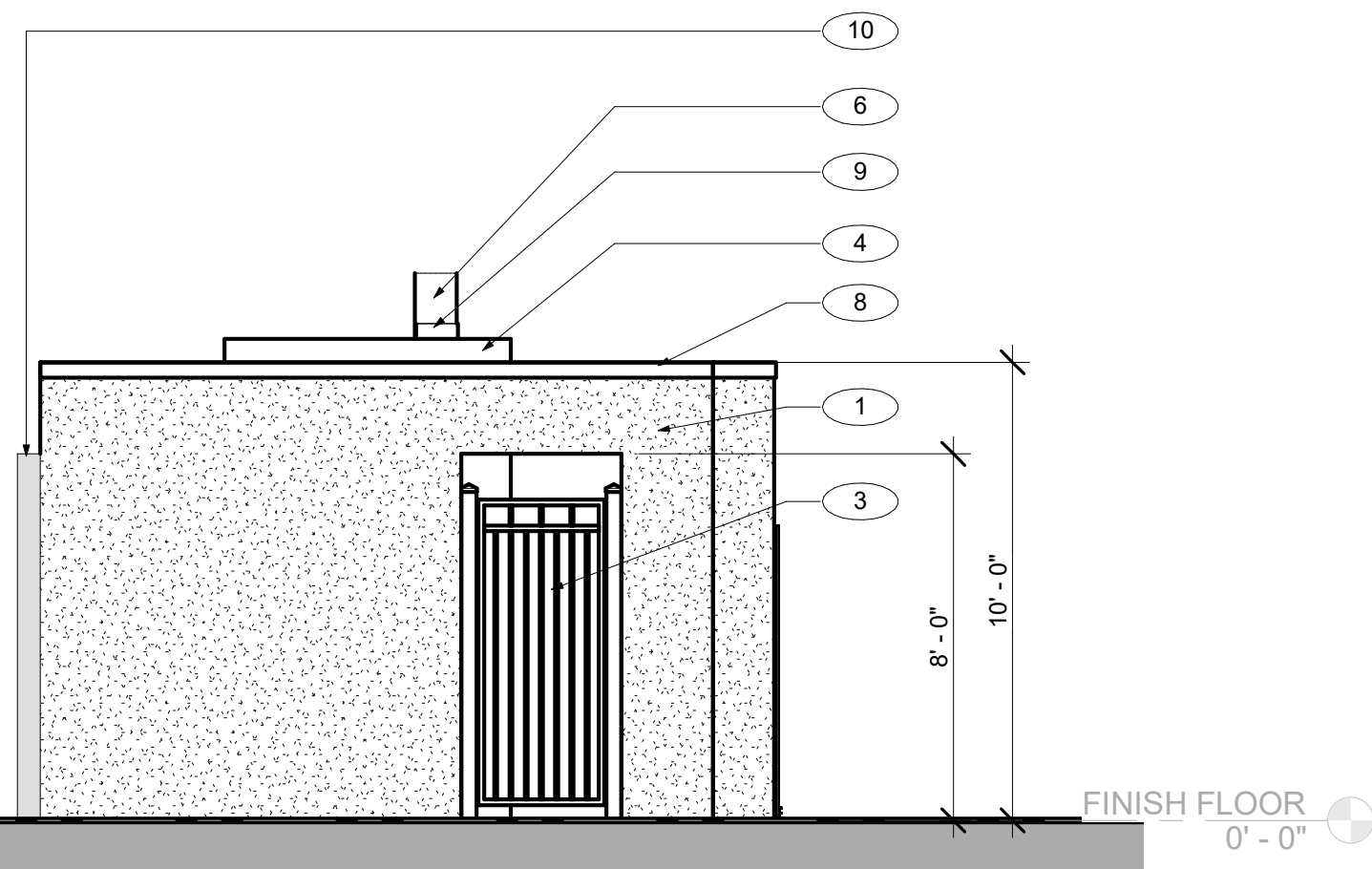


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<b>Application No.</b>	<b>A2.11</b>
<b>Date</b>	
<b>Project Number</b>	



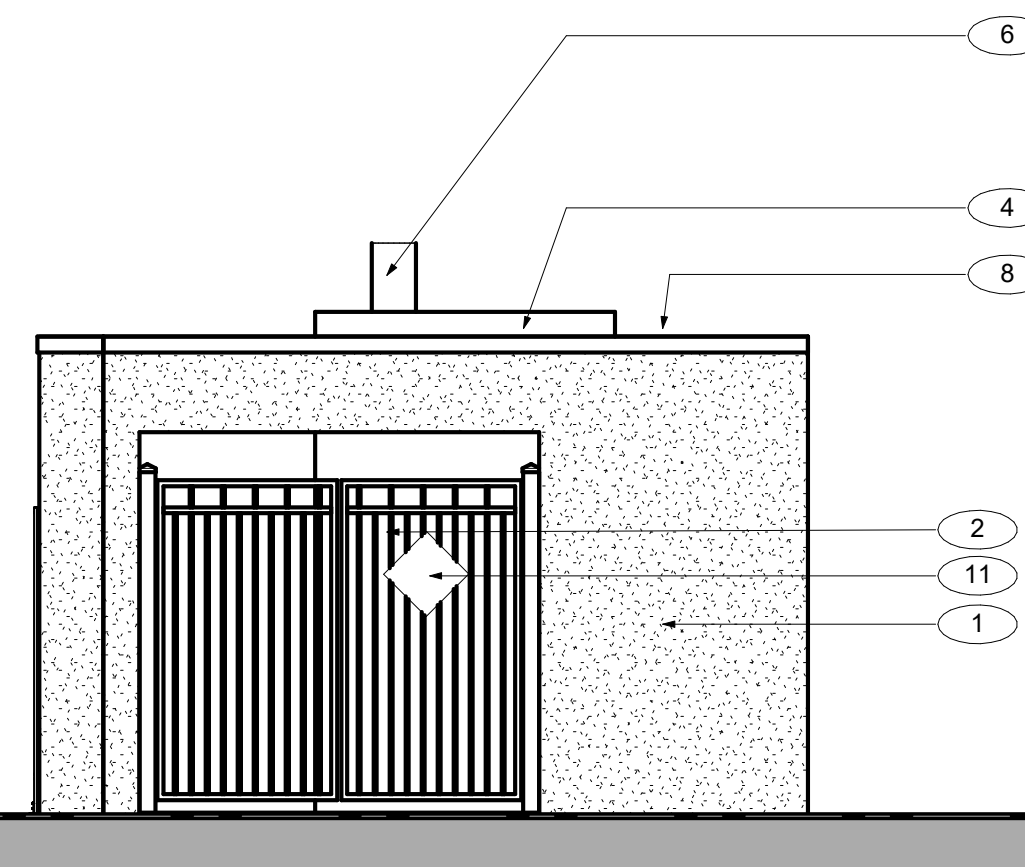
1 SOUTH ELEVATION - S1 - SOUTH GENERATOR

1/4" = 1'-0"



2 WEST ELEVATION - S1 - SOUTH GENERATOR

1/4" = 1'-0"



3 EAST ELEVATION - S1 - SOUTH GENERATOR

1/4" = 1'-0"

GENERAL NOTES

KEYNOTES

- 1 (N) 10' HIGH STUCCO WALL, SEE A12.32
- 2 8' WIDE X 7' HIGH ORNAMENTAL GATE. SEE DETAIL 2/A12.11
- 3 3' WIDE X 7' HIGH ORNAMENTAL GATE. SEE DETAIL 2/A12.11
- 4 GENERATOR, S.E.D
- 5 (N) MODULAR PLANT TRELLIS. BASIS OF DESIGN VERTIGREEN BY TOURNERSOL
- 6 TANK VENT, S.E.D
- 7 (E) TREE TO REMAIN. PROTECT DURING CONSTRUCTION. REFER TO LANDSCAPE DRAWINGS & SPECIFICATION, TYP TO ALL
- 8 (N) FLASHING ALL AROUND. SEE 8/A12.32
- 9 EXHAUST OUTLET, S.E.D
- 10 (E) 8' TALL WALL. PROTECT DURING CONSTRUCTION
- 11 HAZARDOUS SIGNAGE, S.E.D. MOUNT ON ORNAMENTAL FENCE USING ORNAMENTAL FENCE MOUNT. BASIS OF DESIGN: SIGN GUARDIAN O BRACKET OR EQUAL.

GRAPHIC KEY

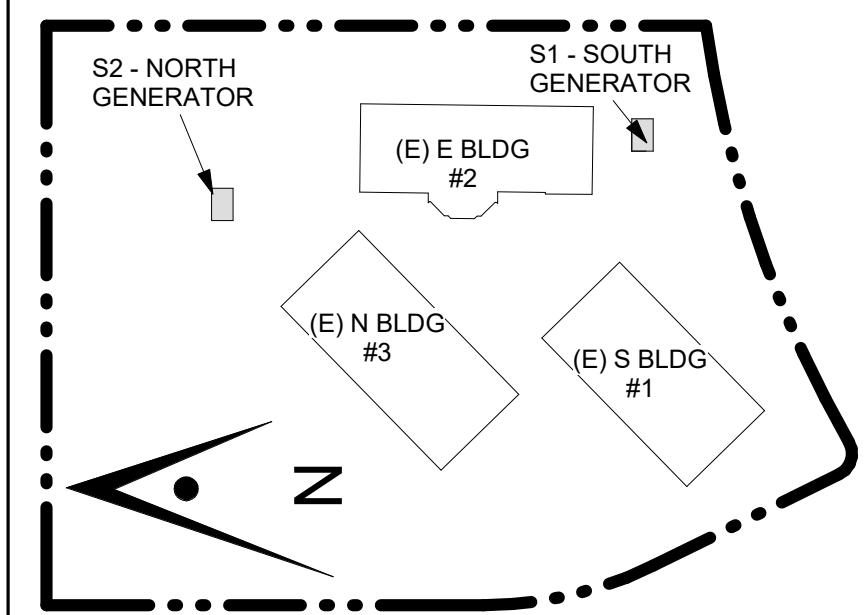
- EXISTING ITEMS
- NEW ITEMS
- NEW STUCCO WALL

**ARTiK**  
ART & ARCHITECTURE

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CONSULTANT'S STAMP

Key Plan



Project Title

**SCCOE BACKUP GENERATOR**

1290 Ridder Park Dr, San Jose

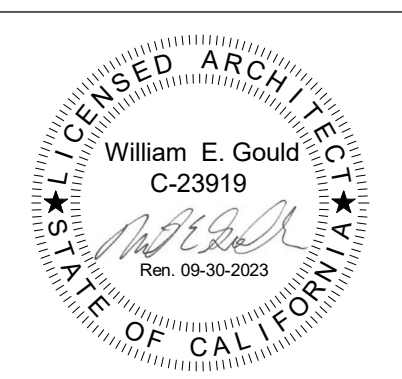
SANTA CLARA COUNTY OFFICE OF EDUCATION

No.	Description	Date
	BUILDING SUBMITTAL	07/11/22
1	BUILDING RESUBMITTAL	02/07/23

Drawing Title

**EXTERIOR ELEVATIONS - SOUTH GENERATOR**

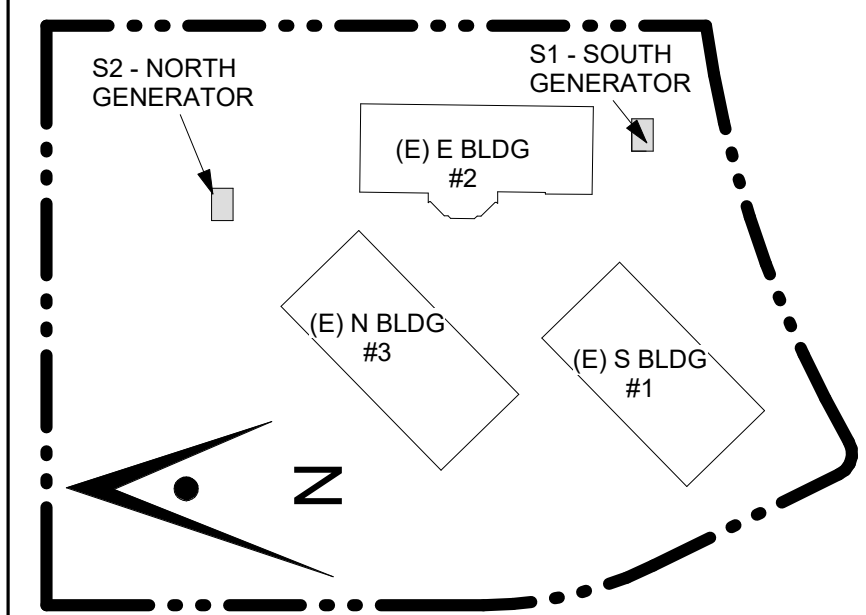
Architect Seal



File No.	Drawing No.
Application No.	<b>A8.01</b>
Date	
Project Number	

CONSULTANT'S STAMP

Key Plan



Project Title

**SCCOE BACKUP GENERATOR**

1290 Ridder Park Dr, San Jose

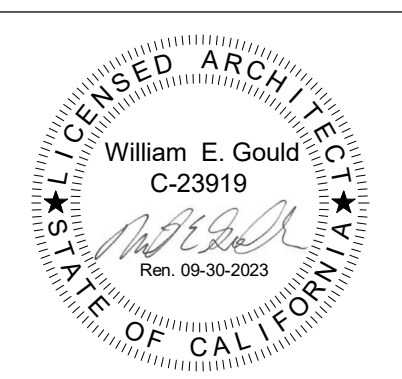
SANTA CLARA COUNTY OFFICE OF EDUCATION

No.	Description	Date
	BUILDING SUBMITTAL	07/11/22
1	BUILDING RESUBMITTAL	02/07/23

Drawing Title

**EXTERIOR ELEVATIONS - NORTH GENERATOR**

Architect Seal



File No.	Drawing No.
Application No.	<b>A8.02</b>
Date	
Project Number	

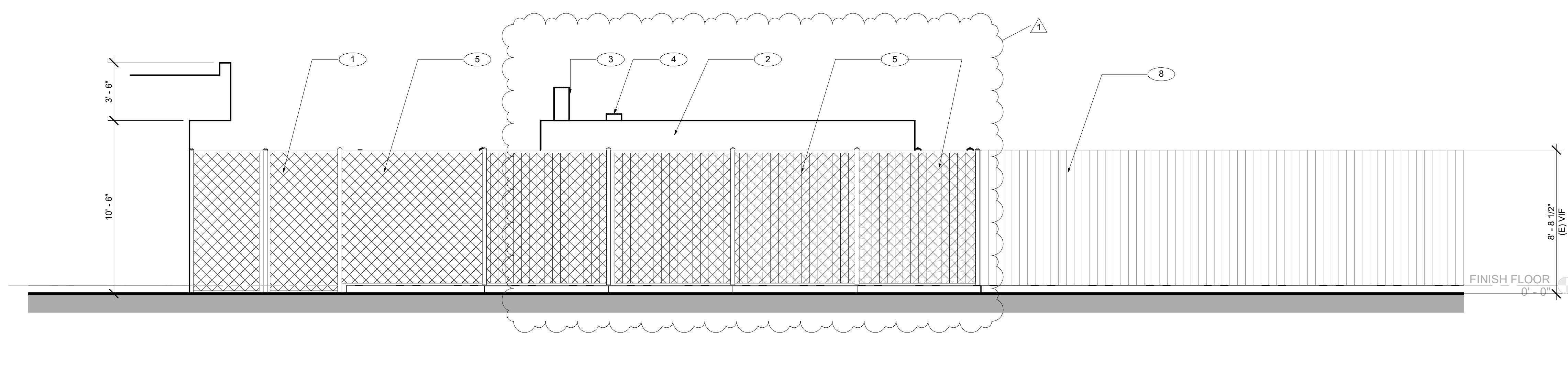
GENERAL NOTES

KEYNOTES

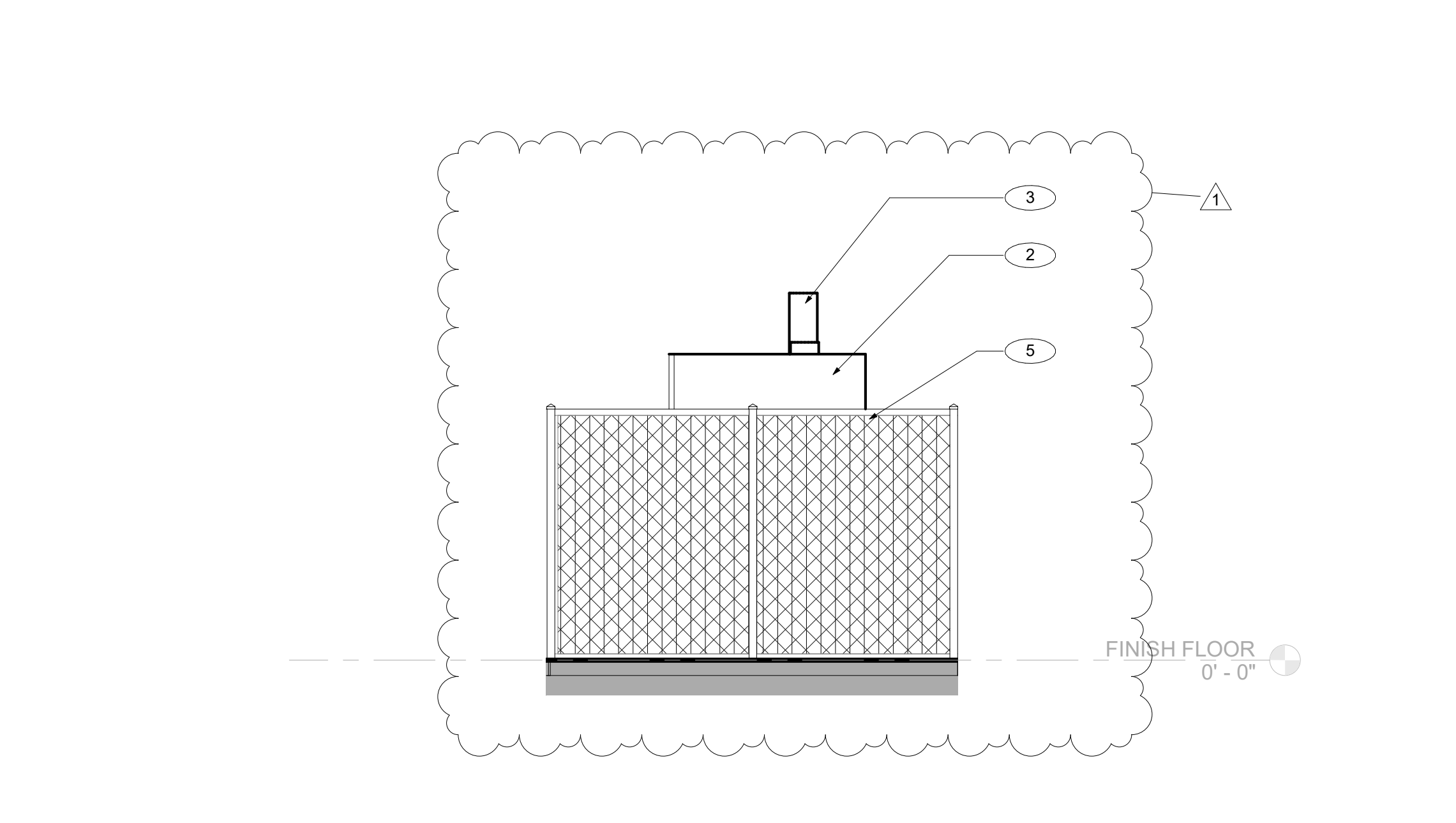
- 1 8' WIDE X 8'-8" HIGH GALVANIZED CHANLINK GATE WITH LIGHT BROWN PRIVACY SLATS. COLOR AND HEIGHT TO MATCH EXISTING. SEE DETAIL 6/A12.12
- 2 GENERATOR, S.E.D
- 3 TANK VENT, S.E.D
- 4 EXHAUST OUTLET, S.E.D
- 5 (N) 8'-8" TALL GALVANIZED CHANLINK FENCE WITH LIGHT BROWN PRIVACY SLATS. COLOR AND HEIGHT TO MATCH ADJACENT EXISTING. 4/A12.12
- 6 HAZARDOUS SIGNAGE, S.E.D. MOUNT ON ORNAMENTAL FENCE USING ORNAMENTAL FENCE MOUNT. BASIS OF DESIGN: SIGN GUARDIAN O BRACKET OR EQUAL.
- 7 3' WIDE X 8'-8" HIGH GALVANIZED CHANLINK GATE WITH LIGHT BROWN PRIVACY SLATS. SEE DETAIL 5/A12.12
- 8 (E) CHAINLINK FENCE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION

GRAPHIC KEY

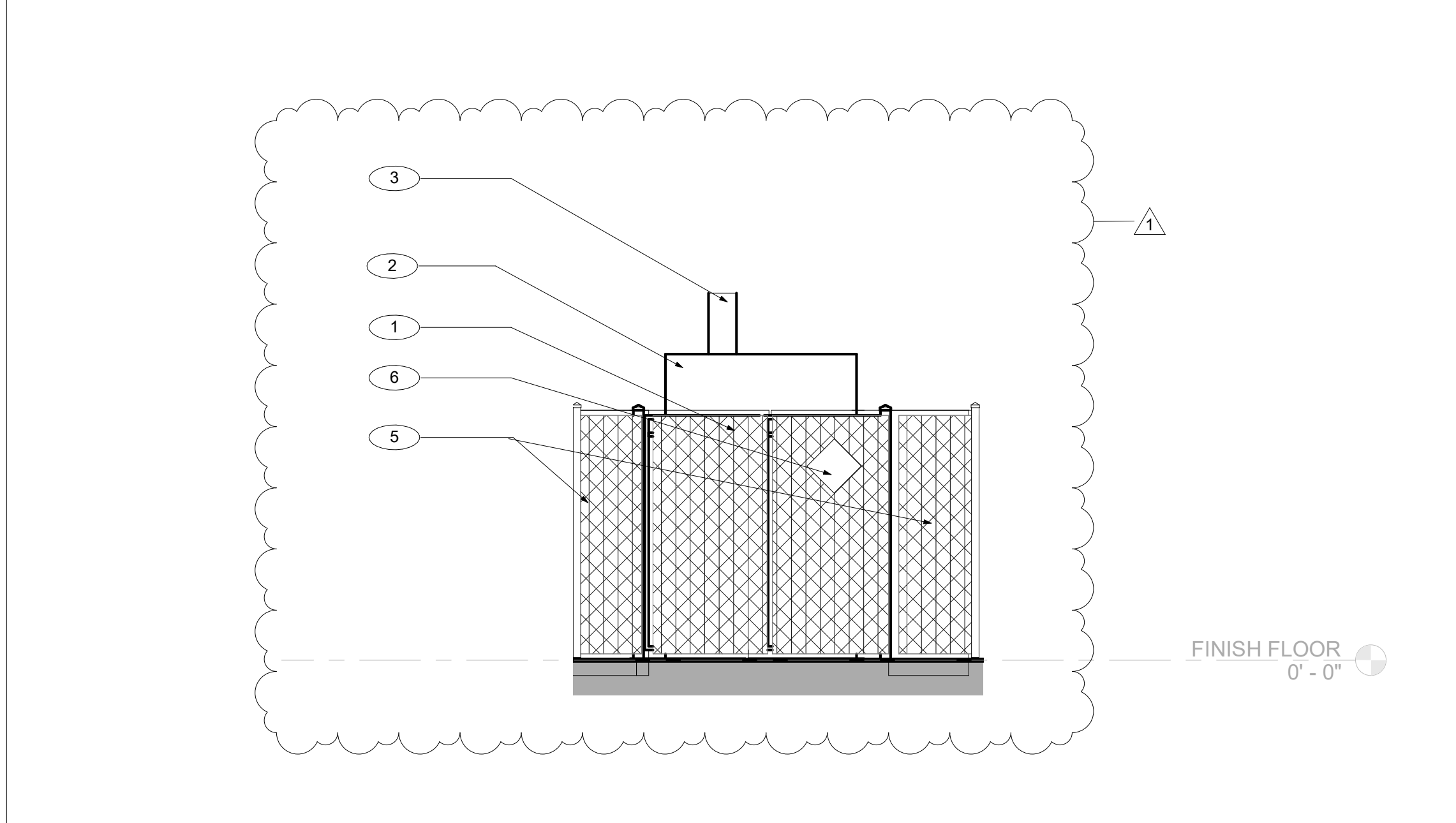
- EXISTING ITEMS
- NEW ITEMS
- EXISTING CHAIN LINK FENCE
- NEW CHAIN LINK FENCE
- NEW CHAIN LINK FENCE WITH PRIVACY SLATS



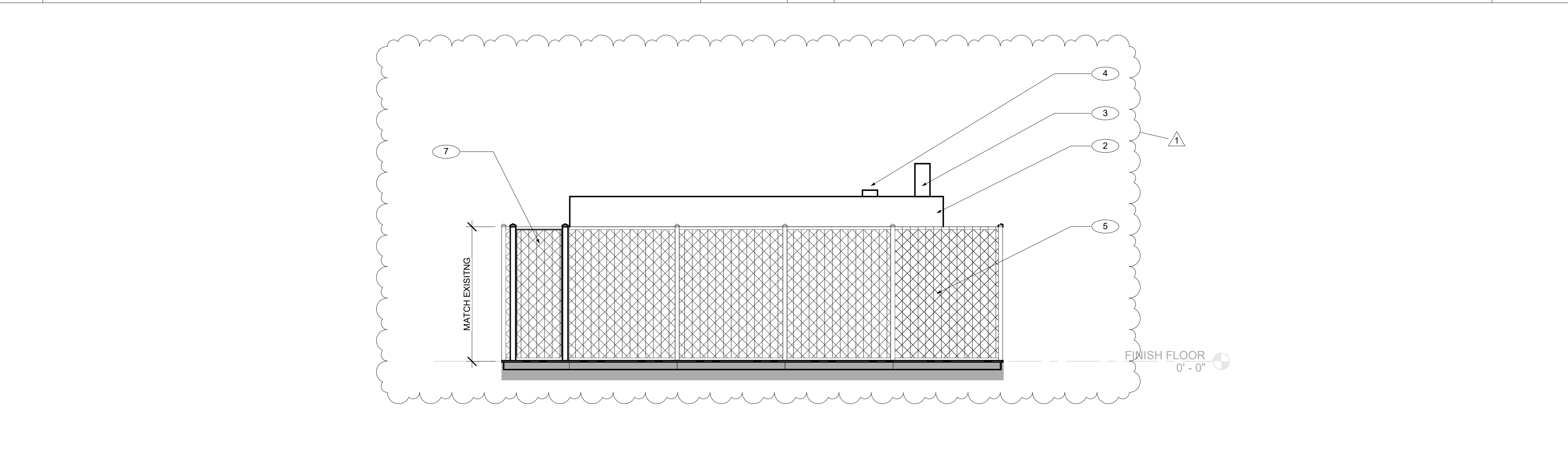
4 NORTH ELEVATION - S2 - NORTH GENERATOR 1/4" = 1'-0"



3 WEST ELEVATION - S2 - NORTH GENERATOR 1/4" = 1'-0"



2 EAST ELEVATION - S2 - NORTH GENERATOR 1/4" = 1'-0"



1 SOUTH ELEVATION - S2 - NORTH GENERATOR 1/4" = 1'-0"



**CONSULTANT'S STAMP**

**Key Plan**

**Project Title**

**SCCOE BACKUP GENERATOR**

1290 Ridder Park Dr, San Jose

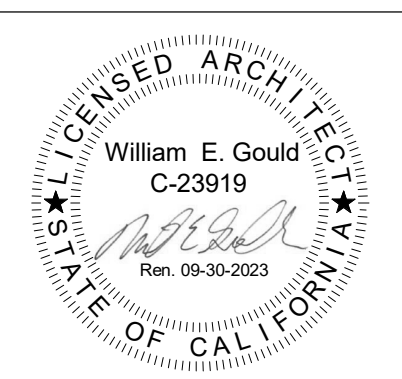
**SANTA CLARA COUNTY OFFICE OF EDUCATION**

No.	Description	Date
	BUILDING SUBMITTAL	07/11/22

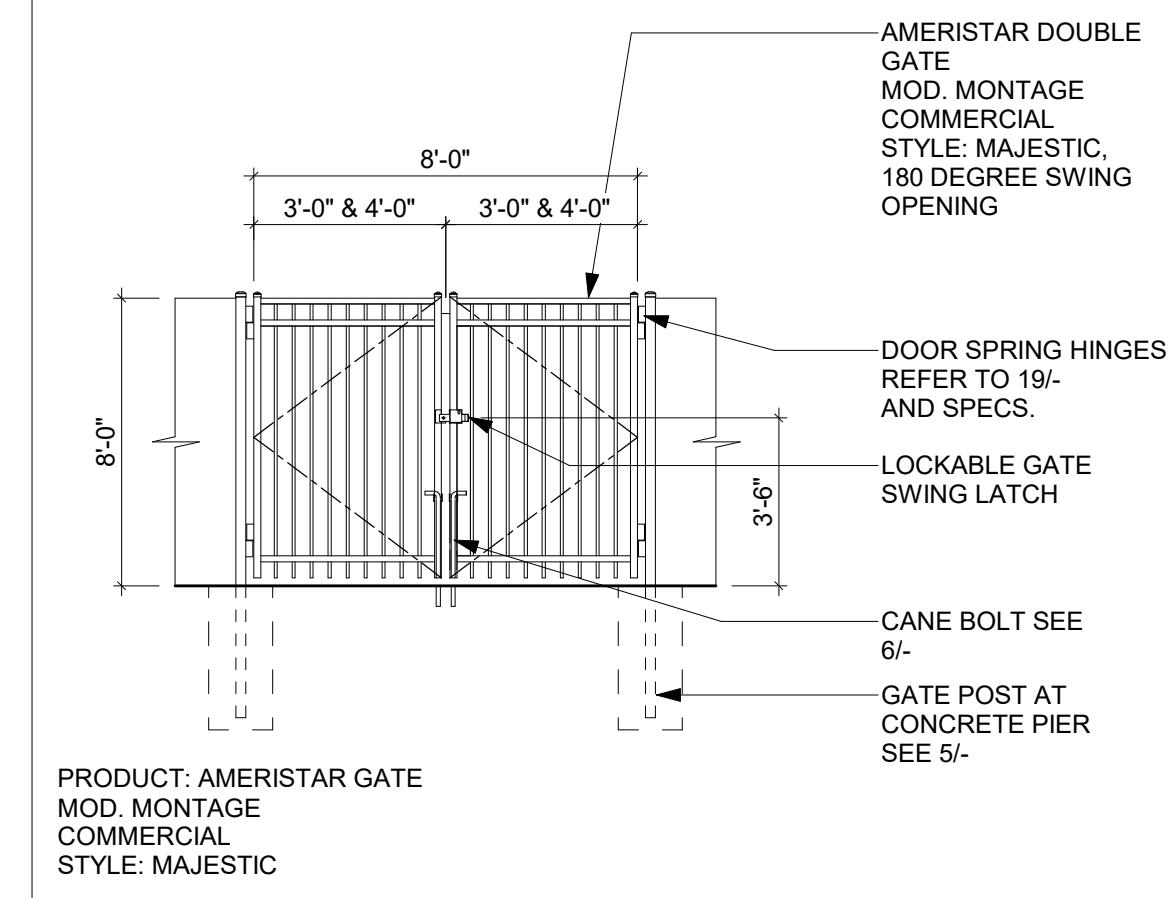
**Drawing Title**

**SITE DETAILS**

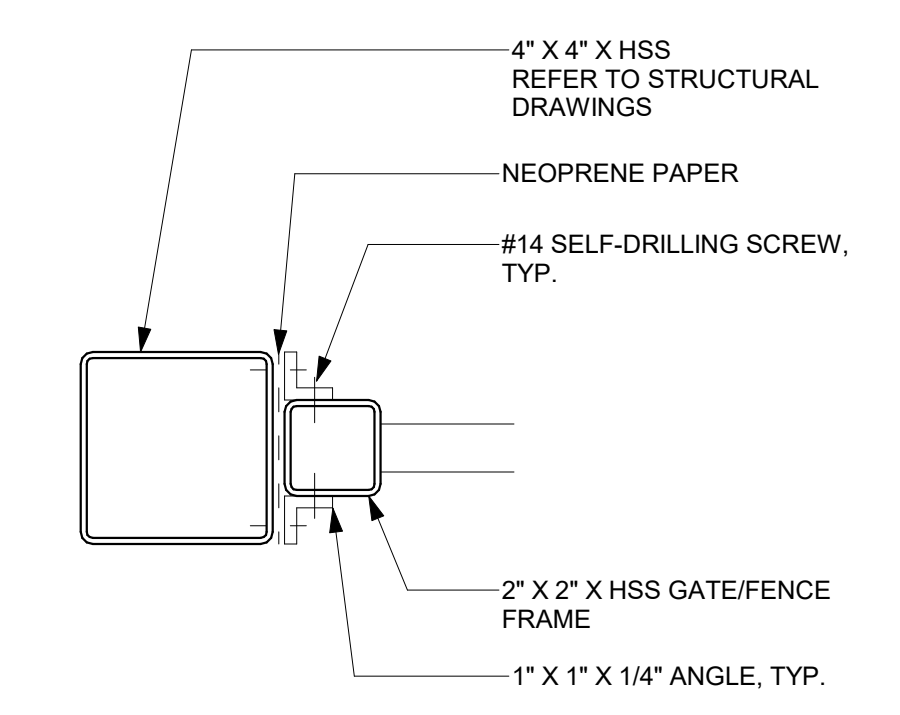
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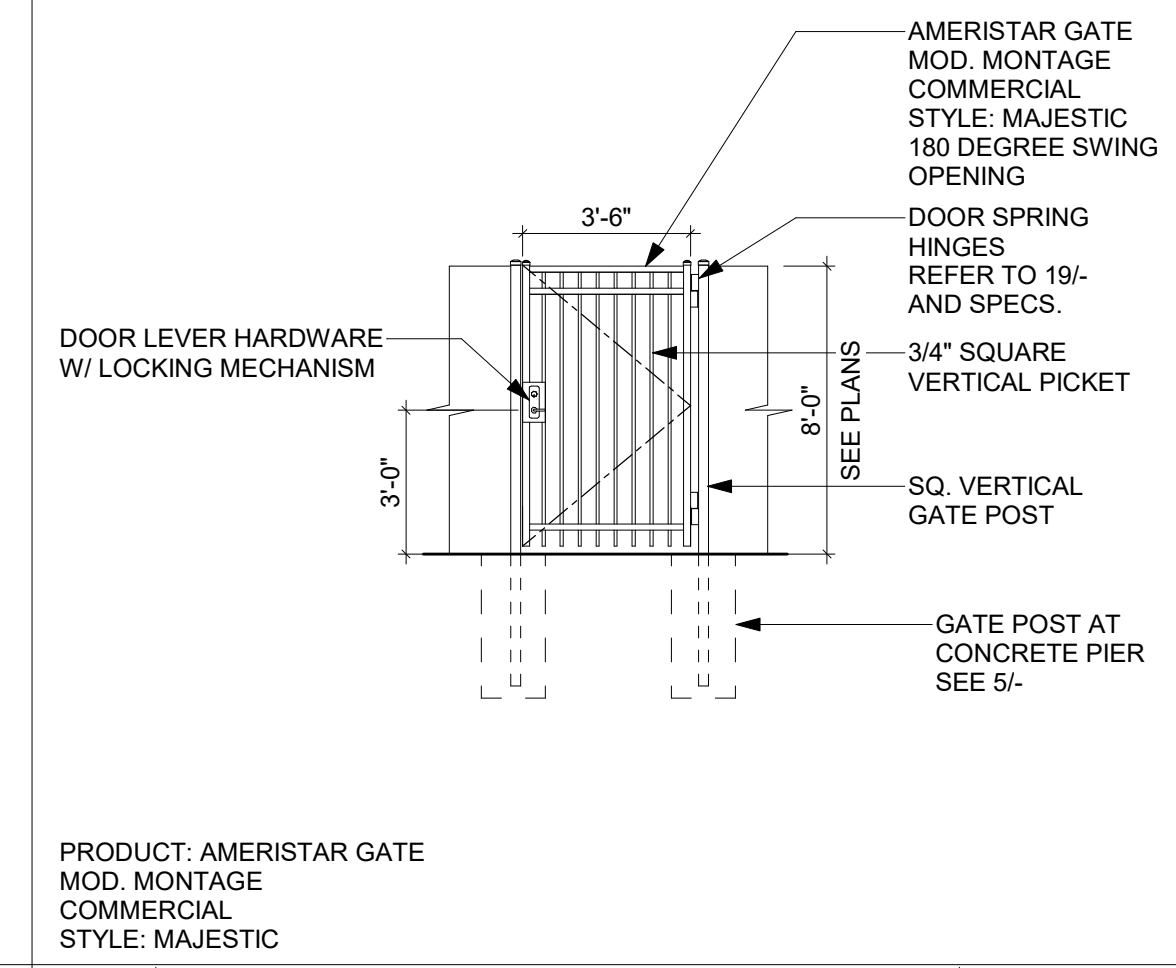
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<b>Application No.</b> 01-119657	<b>A12.11</b>
<b>Date</b> 7/11/22	
<b>Project Number</b> 06451	



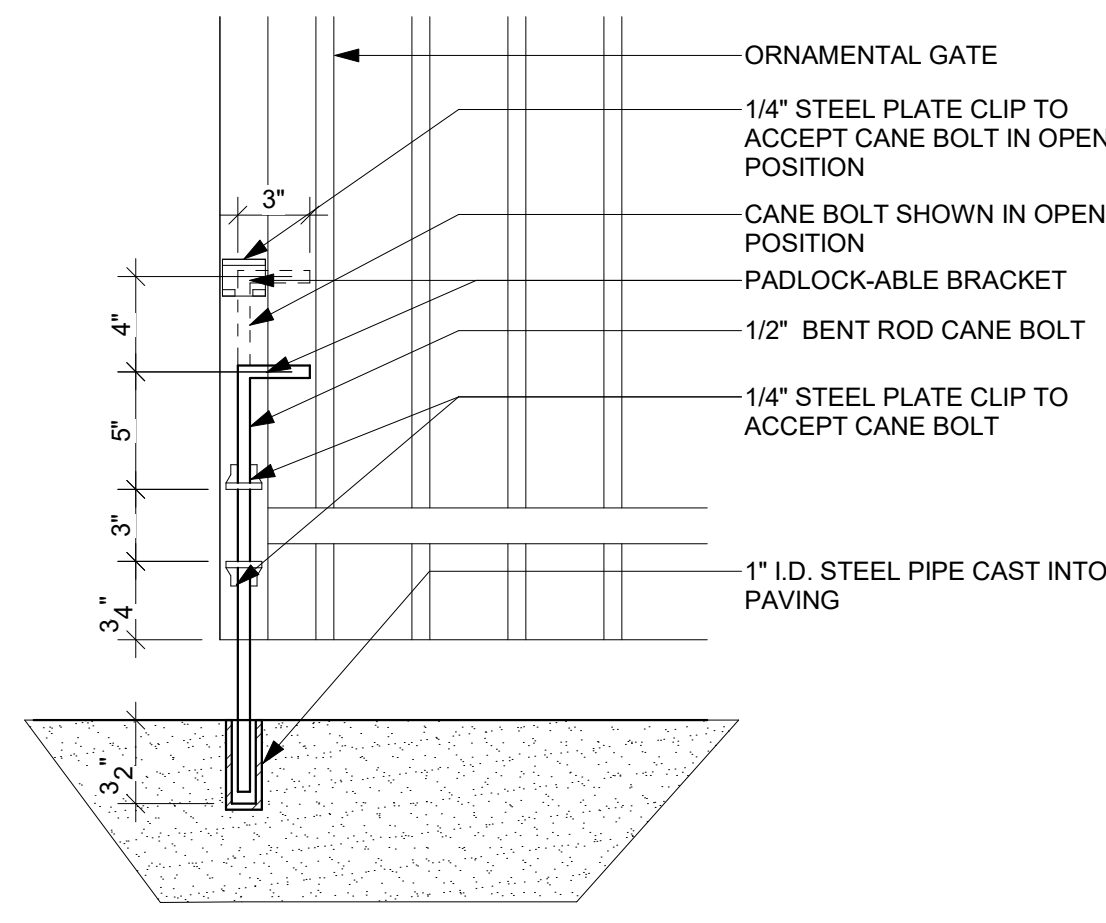
**4** ORNAMENTAL DOUBLE SERVICE GATE 1/4" = 1'-0"



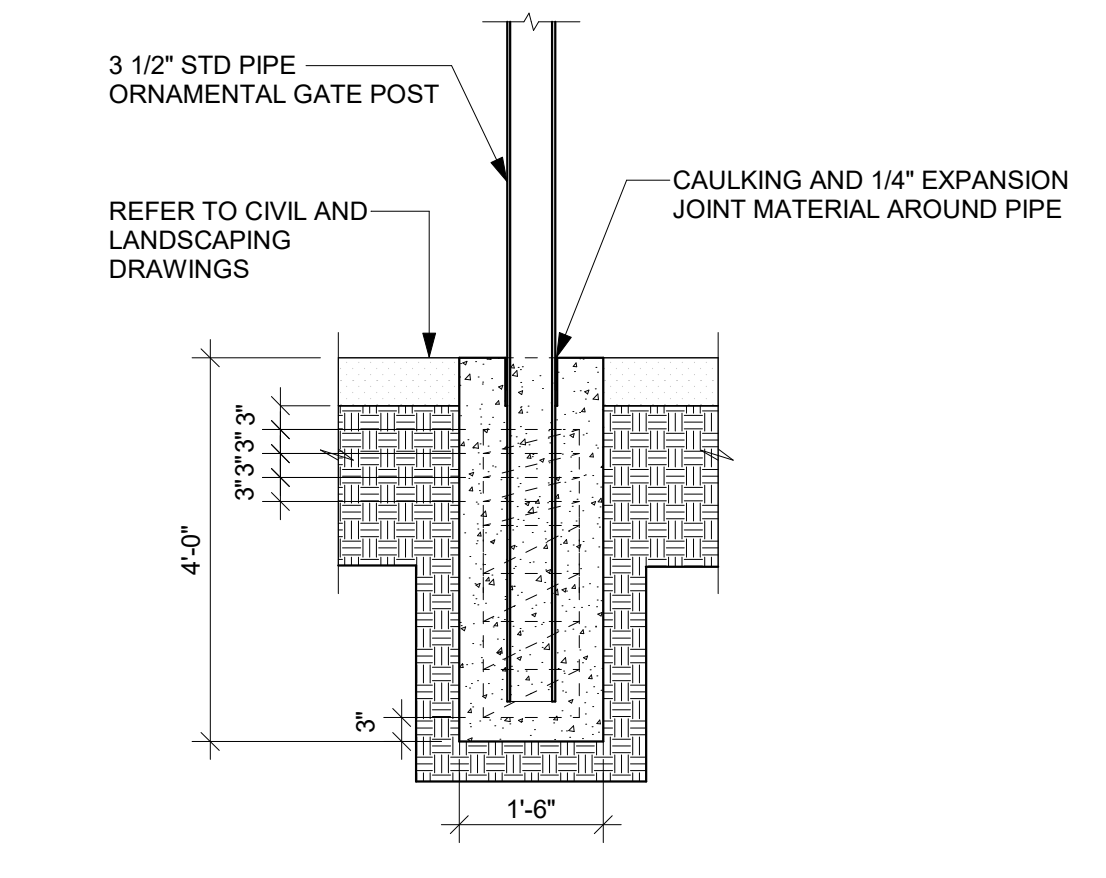
**7** FENCE AND GATE FRAME 3" = 1'-0"



**3** ORNAMENTAL SINGLE SERVICE GATE 1/4" = 1'-0"



**6** GATE CANE BOLT 1 1/2" = 1'-0"



**5** GATE POST DETAIL 1/2" = 1'-0"

**CONSULTANT'S STAMP**

**Key Plan**

**Project Title**

**SCCOE BACKUP GENERATOR**

1290 Ridder Park Dr, San Jose

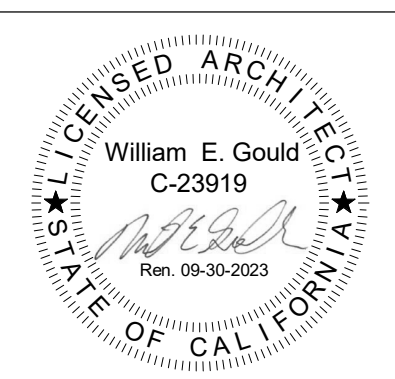
**SANTA CLARA COUNTY OFFICE OF EDUCATION**

No.	Description	Date
	BUILDING SUBMITTAL	07/11/22

**Drawing Title**

**SITE DETAILS**

**Architect Seal**

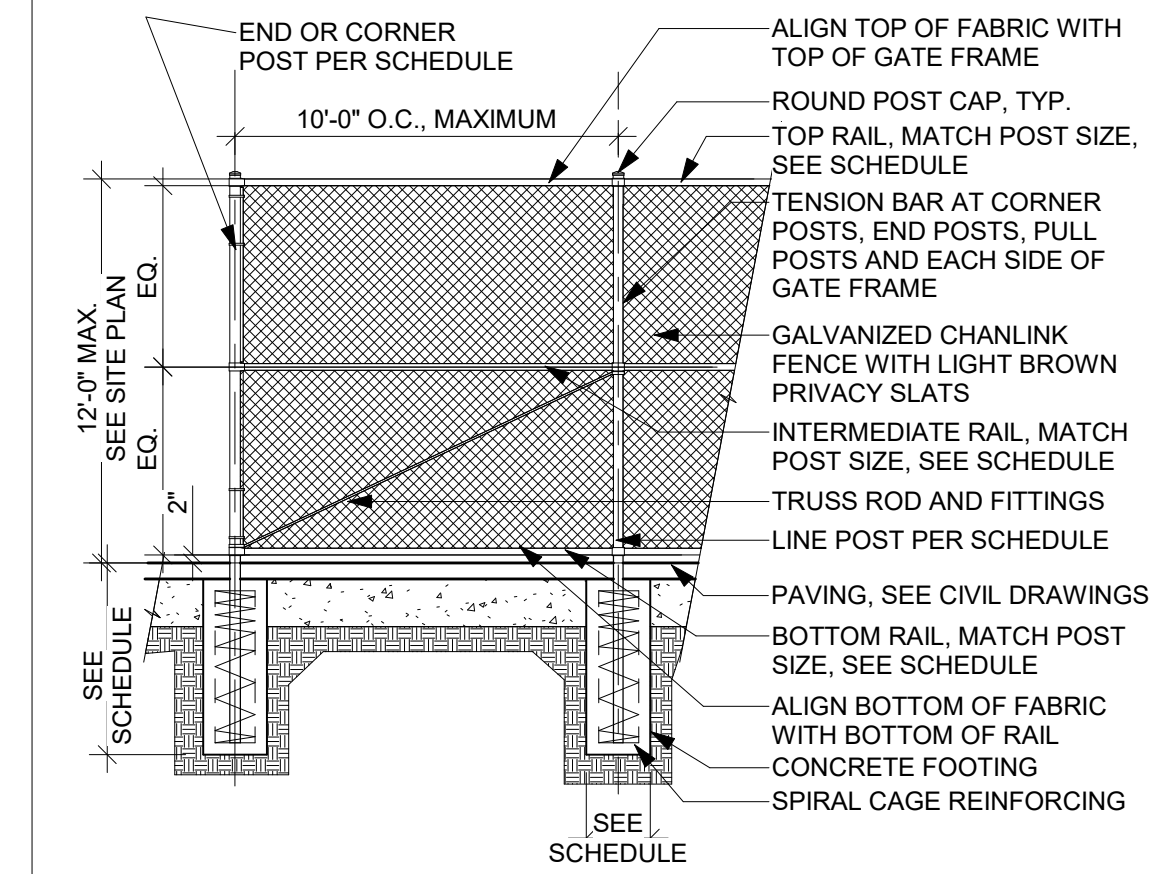


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<b>Date</b>	7/11/22
<b>Project Number</b>	06451

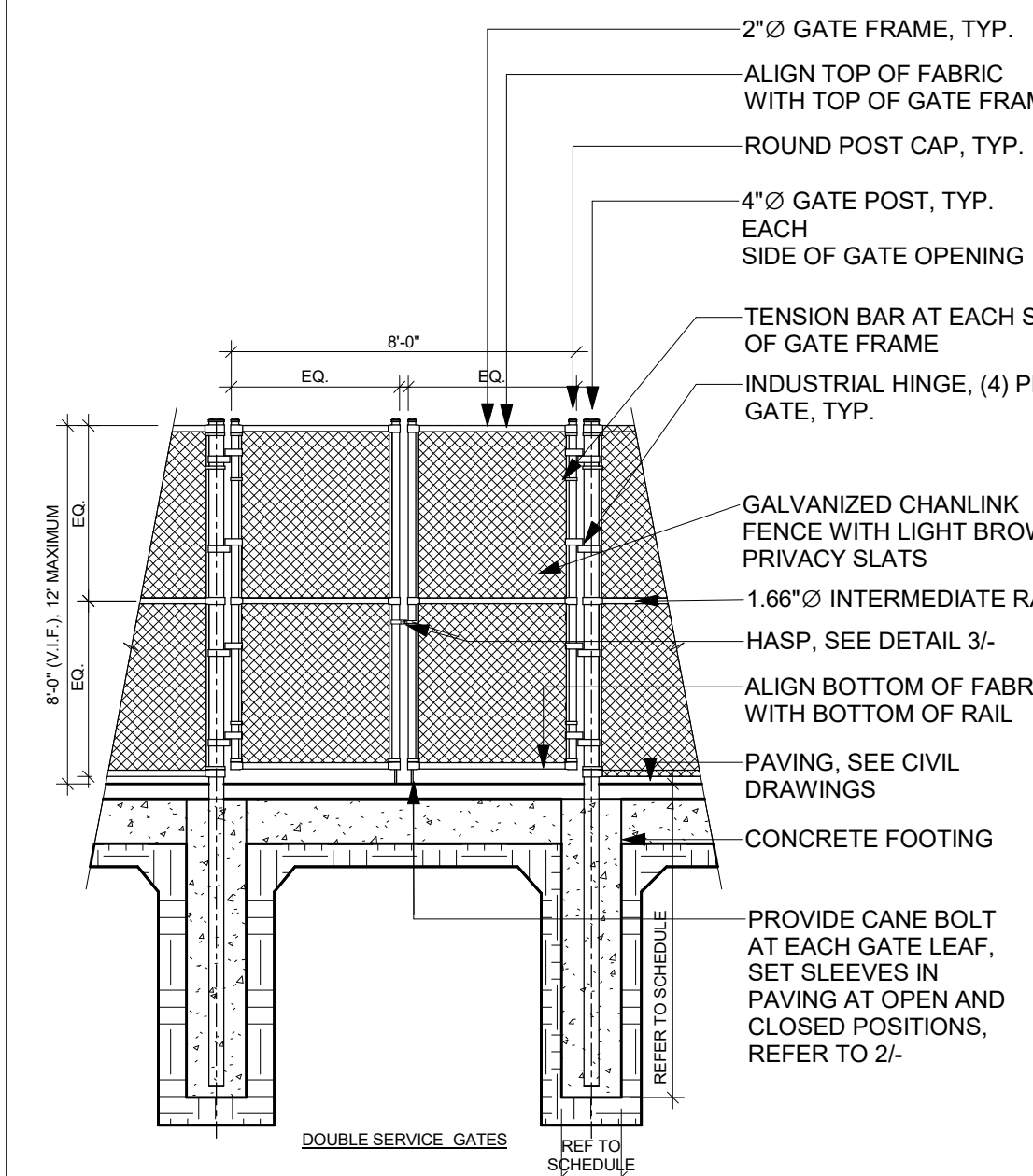
**POST AND CONCRETE FOOTING SCHEDULE**

FENCE/GATE HEIGHT	FENCE POSTS		FENCE/GATE	
	LINE POST @10'-0" MAX	END OR CORNER POST	PIER DEPTH	PIER DIAMETER
6'-0" MAXIMUM	3" STD. PIPE	3" STD. PIPE	4'-3"	1'-0"
8'-0" MAXIMUM	3.5" STD. PIPE	3.5" STD. PIPE	5'-0"	1'-6"
10'-0" MAXIMUM	5" STD. PIPE	5" STD. PIPE	5'-6"	1'-6"
12'-0" MAXIMUM	5" STD. PIPE	5" STD. PIPE	6'-0"	1'-6"

- FENCE SPECIFICATIONS:**
- 1- GALVANIZED: ALL COMPONENTS OF FENCING INCLUDING BUT NOT LIMITED TO FENCE FABRIC MESH, POSTS, RAILS, RODS, TIES, BRACES, WIRES, AND HARDWARE TO BE GALVANIZED FINISH.
  - 2- FABRIC SIZE: 2" MESH, 9 GAUGE WIRE SIZE PLUS.
  - 3- POSTS AND RAILS: HEAVY INDUSTRIAL STRENGTH, ROUND STEEL PIPE, SCHEDULE 40

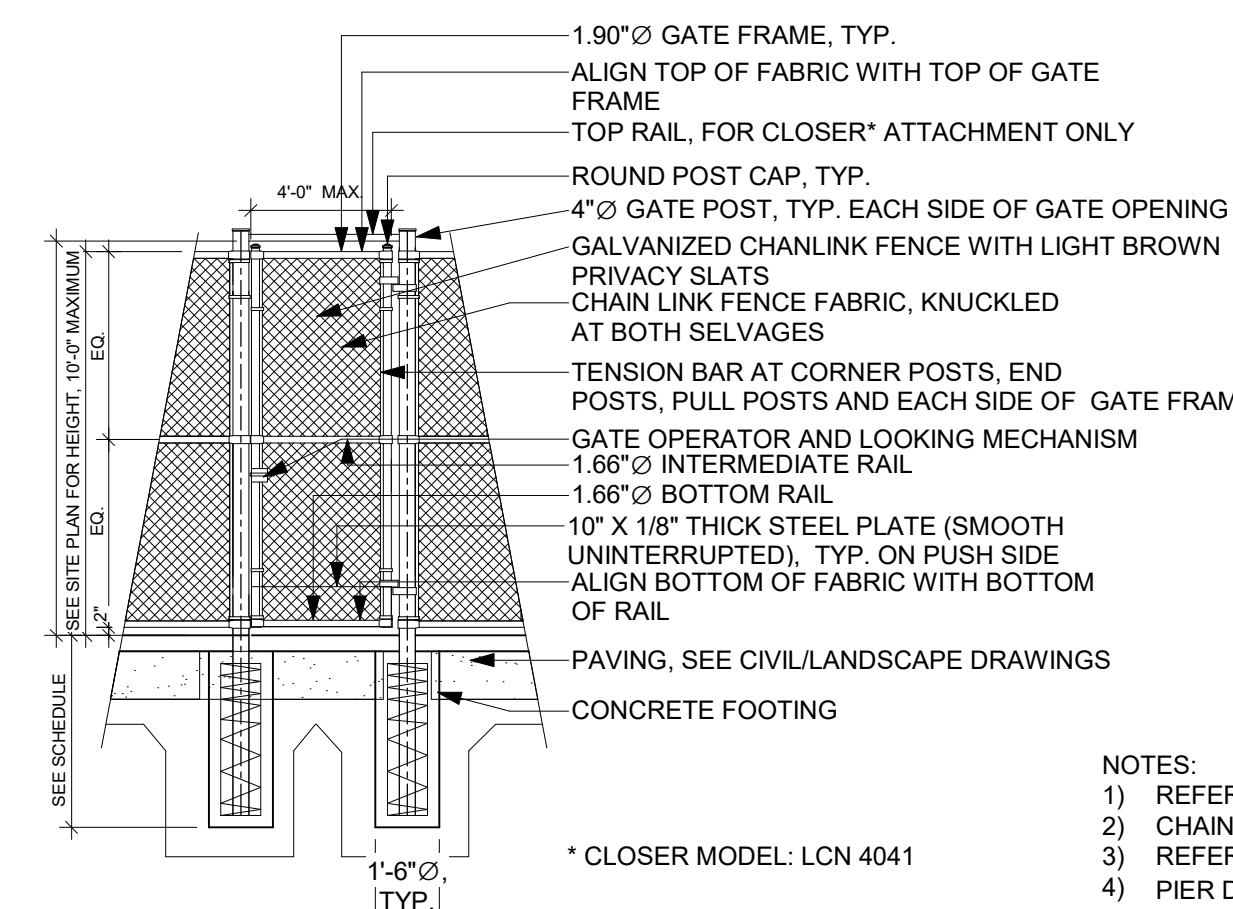


**8 CHAIN LINK FENCE SCHEDULE** 3/8" = 1'-0"



- FENCE SPECIFICATIONS:**
- 1- GALVANIZED: ALL COMPONENTS OF FENCING INCLUDING BUT NOT LIMITED TO FENCE FABRIC MESH, POSTS, RAILS, RODS, TIES, BRACES, WIRES, AND HARDWARE TO BE GALVANIZED FINISH.
  - 2- FABRIC SIZE: 1" MESH, 9 GAUGE WIRE SIZE PLUS. GALVANIZED WITH LIGHT BROWN PRIVACY SLATS
  - 3- POSTS AND RAILS: HEAVY INDUSTRIAL STRENGTH, ROUND STEEL PIPE, SCHEDULE 40

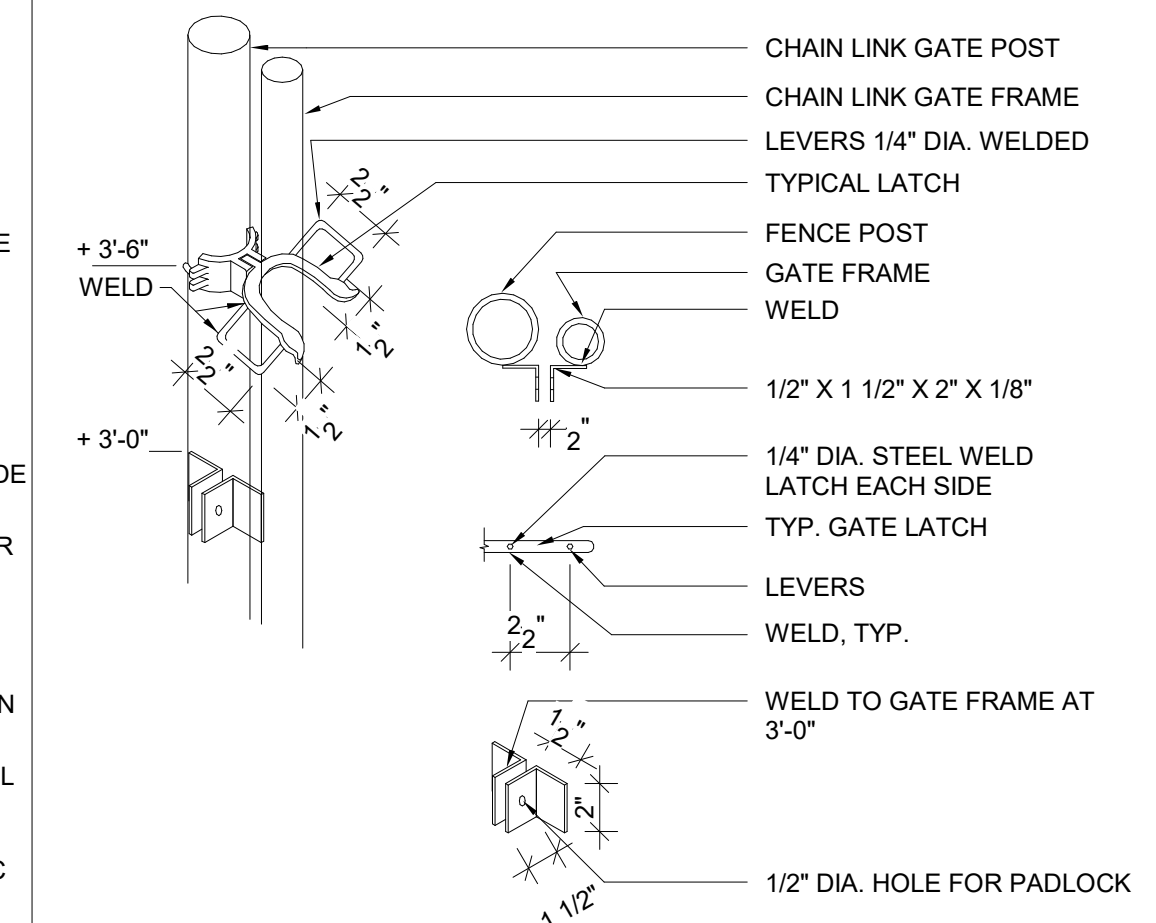
**6 CHAIN LINK DOUBLE GATE** 1/4" = 1'-0"



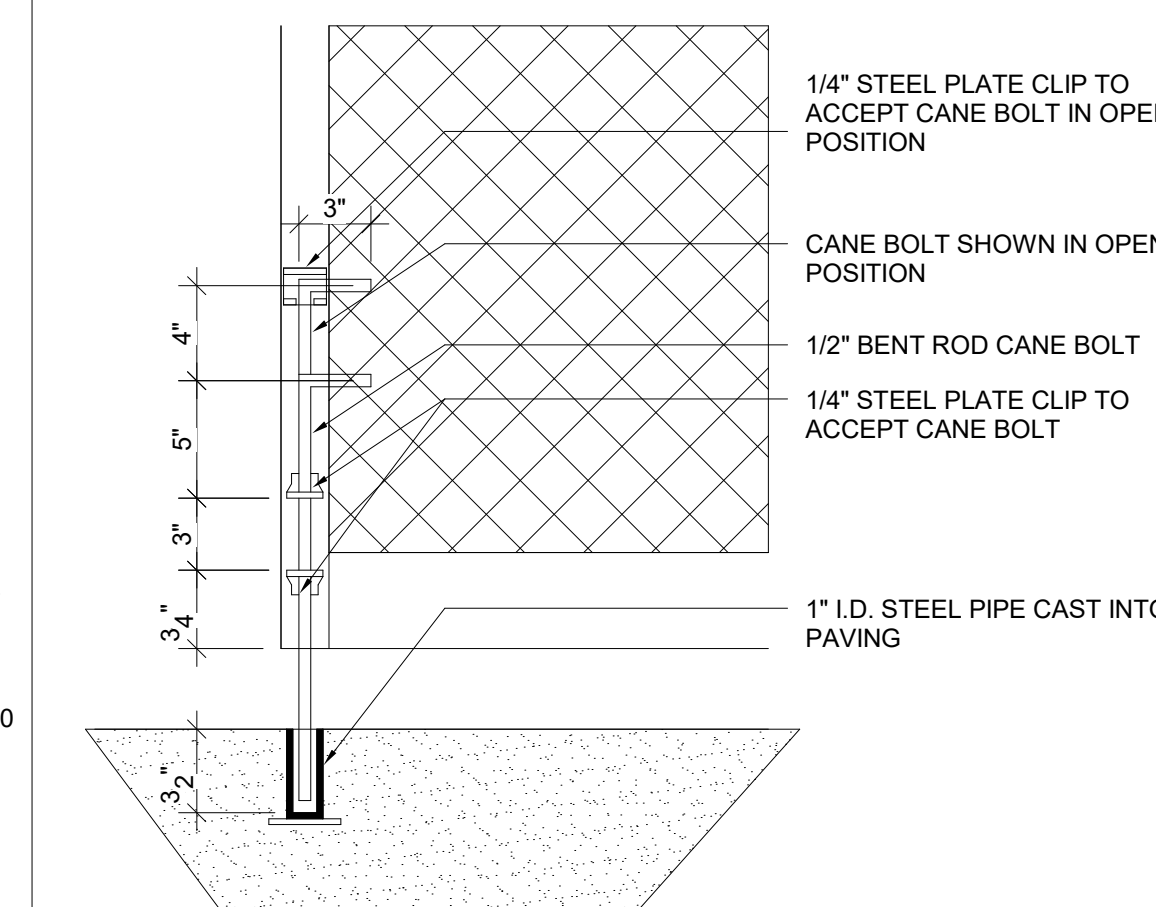
- NOTES:**
- 1) REFER TO DETAIL 4/- FOR NOTES NOT SHOWN.
  - 2) CHAINLINK FABRIC TO BE VINYL COATED
  - 3) REFER TO DETAIL 8/- FOR POST SIZES AND PIER DEPTH
  - 4) PIER DIAMETER: CONSTRAINED = 1'-6"Ø, NON-CONSTRAINED = 2'-6"Ø

**5 CHAIN LINK SINGLE GATE** 1/4" = 1'-0"

**4 CHAIN LINK FENCE** 1/4" = 1'-0"



**3 GATE HASP** 1 1/2" = 1'-0"



**2 GATE CANE BOLT** 1 1/2" = 1'-0"

CONSULTANT'S STAMP

Key Plan

Project Title

**SCCOE BACKUP GENERATOR**

1290 Ridder Park Dr, San Jose

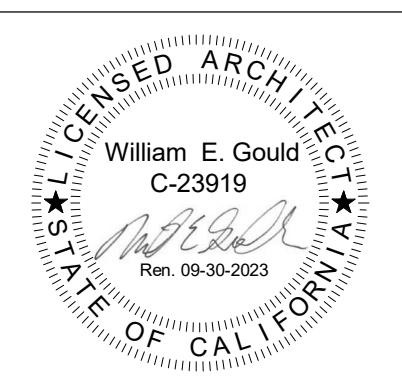
SANTA CLARA COUNTY OFFICE OF EDUCATION

No.	Description	Date
	BUILDING SUBMITTAL	07/11/22

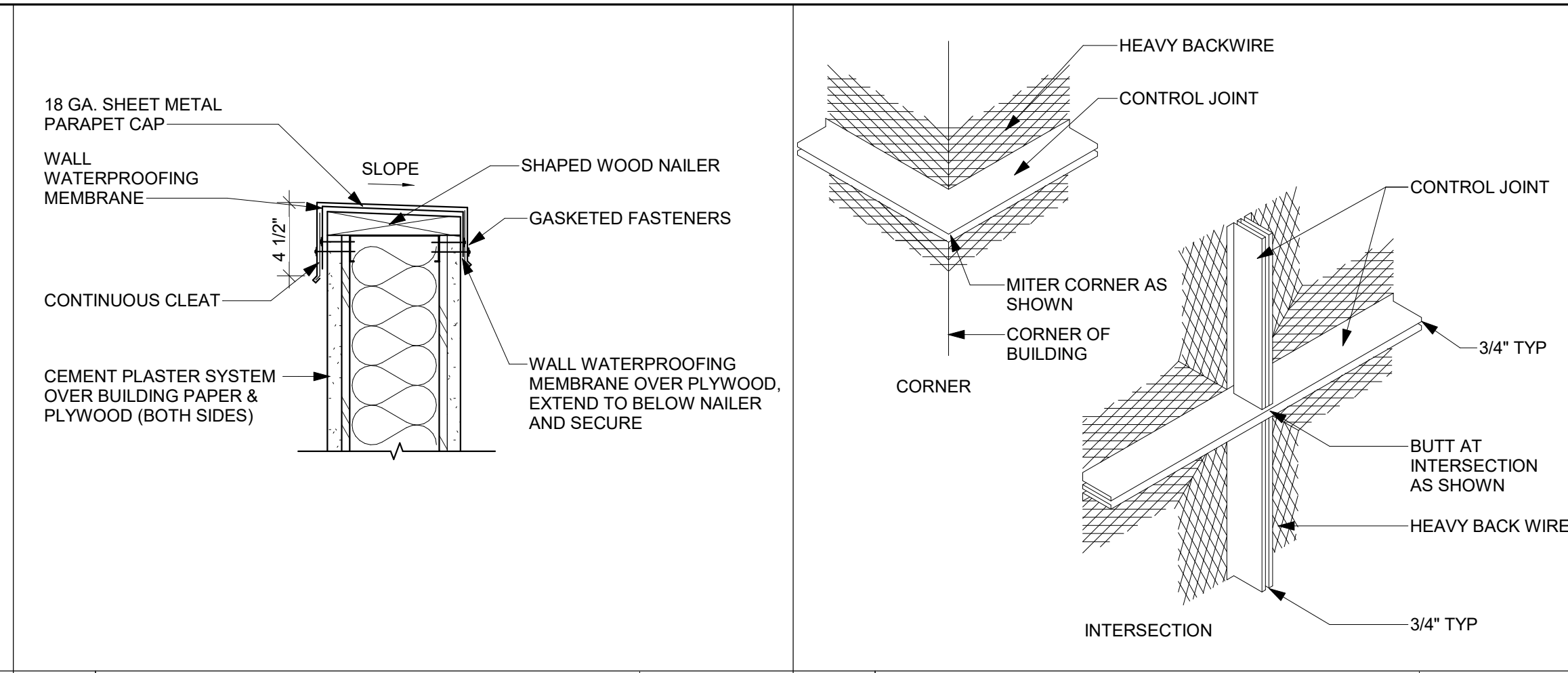
Drawing Title

**EXTERIOR DETAILS**

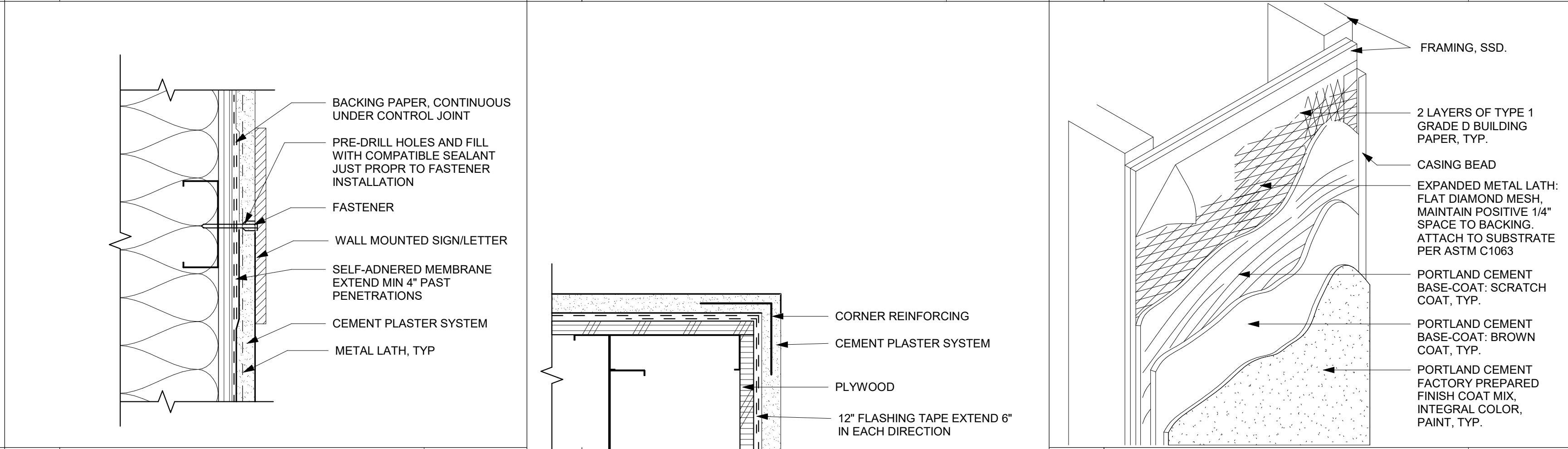
Architect Seal



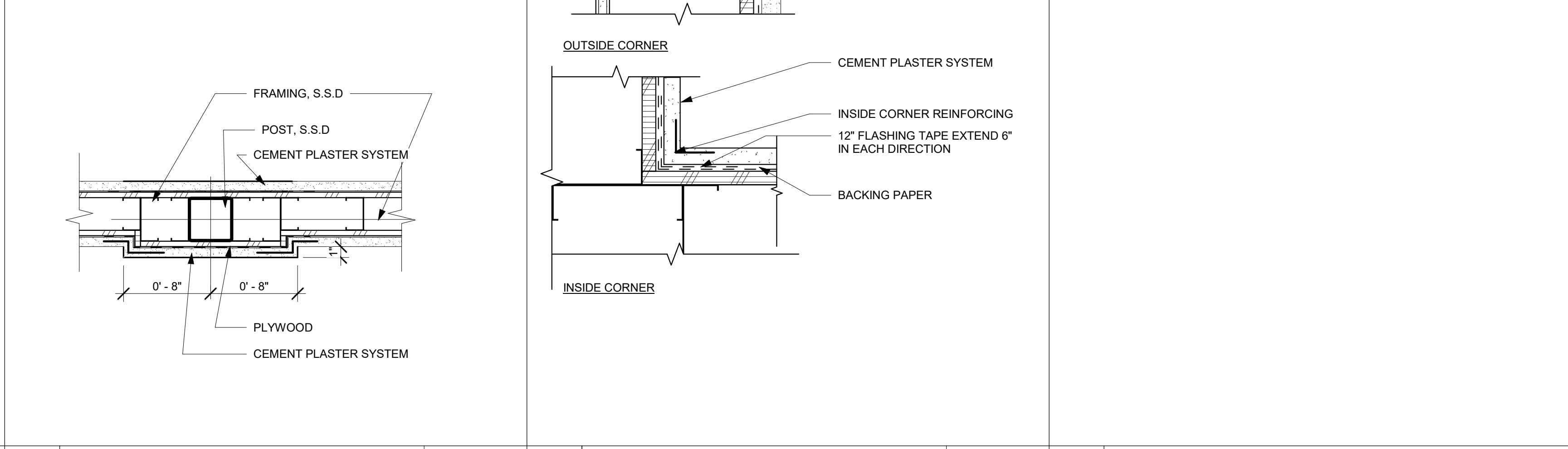
File No.	Drawing No.
Application No.	<b>A12.32</b>
Date	
Project Number	



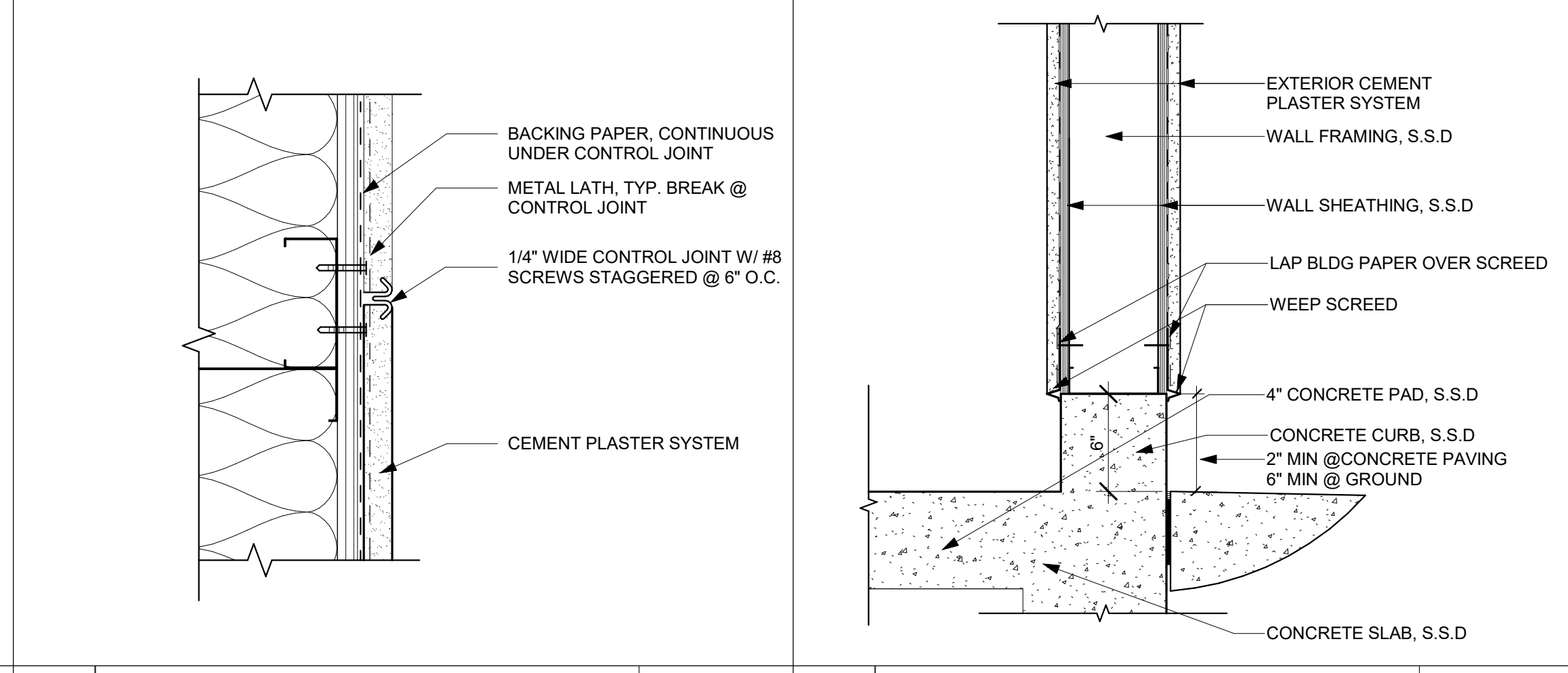
8	PARAPET WALL1	1 1/2" = 1'-0"	4	CEMENT PLASTER CONTROL JOINT2	3" = 1'-0"
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11	CEMENT PLASTER SIGN/ LIGHT PENETRATION2	3" = 1'-0"	3	CEMENT PLASTER SYSTEM2	3" = 1'-0"
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10	CEMENT PLASTER AT PILASTER	1 1/2" = 1'-0"	6	CEMENT PLASTER CORNER2	3" = 1'-0"
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5	CEMENT PLASTER CONTROL JOINT	3" = 1'-0"	1	CEMENT PLASTER WALL BASE2	1 1/2" = 1'-0"
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## STRUCTURAL SPECIFICATIONS

### COLD-FORMED METAL FRAMING

ALL COLD-FORMED METAL FRAMING SHALL BE AS MANUFACTURED BY CLARK STEEL (OR EQUAL)  
ASTM-A653 Fy = 33 KSI MINIMUM FOR 20 GAGE, & 18 GAGE  
Fy = 50 KSI FOR 16 GAGE OR BETTER

### LIGHT GAGE METAL CONNECTORS

ALL LIGHT GAGE METAL CONNECTORS SHALL BE SIMPSON COMPANY STRONG TIE CONNECTORS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

### CONCRETE

ALL CONCRETE SHALL HAVE PROPERTIES AS LISTED BELOW.  
MAXIMUM WATER-CEMENT RATIO, BY WEIGHT SHALL BE AS FOLLOWS:

	W/O FLY ASH	W/ UP TO 15% FLY ASH
5000 PSI CONCRETE AT 28 DAYS	.48	0.43
4000 PSI CONCRETE AT 28 DAYS	.55	0.5
3500 PSI CONCRETE AT 28 DAYS	.55	0.5
3000 PSI CONCRETE AT 28 DAYS	.55	0.5
2500 PSI CONCRETE AT 28 DAYS	.55	0.5
2000 PSI CONCRETE AT 28 DAYS	.67	0.60

APPROXIMATELY 3 OUNCES PER SACK OF CEMENT OF POZZOLITH 300R OR APPROVED EQUAL SHALL BE USED AS A WATER DISPERSING ADDITIVE. AT CONTRACTOR'S OPTION, AN AIR ENTRAINING AGENT CONFORMING TO THE LATEST REVISION OF ASTM SPECIFICATION C 260 MAY BE ADDED TO THE CONCRETE TO PROVIDE SPECIFIED AMOUNTS OF ENTRAINED AIR.

CONCRETE ELEMENT	MIN. 28 DAY COMPRESSIVE STRENGTH	MAX. SIZE AGGREGATE (INCHES)	MAX. SLUMP	TOTAL AIR CONTENT
SLAB ON GRADE	*3000	3/4	4	4%±1.5%

\*2500 PSI USED FOR DESIGN, NO SPECIAL INSPECTION REQUIRED

### REINFORCING STEEL

BAR FOR REINFORCING SHALL BE GRADE 60 DEFORMED BARS CONFORMING TO ASTM A-615 INCLUDING SUPPLEMENT S1. LAP SPLICES SHALL BE IN ACCORDANCE WITH ACI 318 UNLESS NOTED OTHERWISE ON THE PLANS.

### SLAB MEMBRANE - 15 MIL. MOISTOP MEMBRANE

### ADHESIVE ANCHORING FOR CONCRETE

EPOXY ADHESIVE SHALL BE SIMPSON SET-XP EPOXY ADHESIVE ICC REPORT ESR-2508. THE PROPORTIONS SHALL BE AS RECOMMENDED BY THE MANUFACTURER FOR THE CONDITION AND USE. PREPARATION OF CONCRETE INCLUDING DRILLING OF HOLES FOR ANCHORS AS WELL AS EPOXY ANCHOR INSTALLATION SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

### STRUCTURAL STEEL AND MISCELLANEOUS IRON

ALL STRUCTURAL STEEL AND MISCELLANEOUS IRON SHALL RECEIVE SHOP PRIME COAT.  
INDIVIDUAL SPECIFICATIONS ARE AS FOLLOWS:

- HOLLOW STRUCTURAL STEEL AND TUBE STEEL - ASTM A500, GRADE B, Fy = 46ksi
- STEEL PIPE - ASTM A53, TYPE E OR S, GRADE B, w/ SULFUR NOT EXCEEDING .05%, Fy = 35ksi

### MACHINE BOLTS, ANCHOR BOLTS AND STUDS

ASTM A307

### THREADED RODS

ASTM F1554 GRADE A36

### WELDING

ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS PER AWS "STANDARD QUALIFICATION PROCEDURE" TO PERFORM THE TYPE OF WORK REQUIRED. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS WELDING CODE. ARC WELDING ELECTRODES SHALL BE E70 SERIES. WELDING SHALL BE INSPECTED AS REQUIRED BY THE CALIFORNIA BUILDING CODE.

### CONSTRUCTION LIABILITY

CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS AGREE THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS FURTHER AGREE TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

### EXISTING CONDITIONS

THE CONTRACTOR OR SUBCONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION AND/OR ORDERING MATERIAL, ANY DISCREPANCIES DISCOVERED SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

## SPECIAL INSPECTIONS

THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR DURING CONSTRUCTION ON THE FOLLOWING TYPES OF WORK:

### WELDING

DUCTILE MOMENT-RESISTING STEEL FRAMES. AS REQUIRED BY THE APPLICABLE SECTION OF THE 2013 C.B.C.

ALL STRUCTURAL WELDING, INCLUDING WELDING OF REINFORCING STEEL.

EXCEPTIONS:

- WELDING DONE IN A FABRICATOR'S SHOP, APPROVED BY THE CITY BUILDING OFFICIAL.
- SINGLE PASS FILLET WELDS MAY HAVE PERIODIC INSPECTION PER C.B.C. NOTED OTHERWISE UNLESS ON THE CONTRACT DRAWINGS.

### ADHESIVE ANCHORS

DURING ALL ADHESIVE ANCHORING INSTALLATIONS.

### EXPANSION ANCHORS

THE SPECIAL INSPECTOR MUST BE ON THE JOB SITE CONTINUOUSLY DURING ANCHOR INSTALLATION TO VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, ANCHOR SPACING, EDGE DISTANCES, CONCRETE THICKNESS, ANCHOR EMBEDMENT AND TIGHTENING TORQUE.

### SPECIAL INSPECTOR

THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE HIS COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF A PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

### DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR

- THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPLICABLE DESIGN DRAWINGS AND SPECIFICATIONS.
- THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ENGINEER OR ARCHITECT OF RECORD, AND OTHER DESIGNATED PERSONS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, THE PROPER DESIGN AUTHORITY AND TO THE BUILDING OFFICIAL.
- THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF HIS KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISION OF THIS CODE.

## TABLE OF CONTENTS

SHEET	CONTENT
S0.0	STRUCTURAL SPECIFICATIONS ABBREVIATIONS LEGEND SYMBOLS LEGEND TABLE OF CONTENTS
S1.0	NORTH GENERATOR FOUNDATION PLAN SOUTH GENERATOR FOUNDATION PLAN DETAILS

## SYMBOLS LEGEND

SYMBOL	DESCRIPTION
1	Detail No.
S2.1	Sheet Location
▲	View Direction
1	Section/Elevation No.
S0.1	Sheet Location
1/4 SLOPE	Indicates Degree of Slope
1/4 SLOPE	Indicates Sloped Beam, Slab, or Deck. Arrowhead indicates direction.
6'-0" ±	Indicates estimated dimension. For Exact Dimension see Architect
□ - - - -	Indicates 2x with strut from roof to wall below or from ceiling to roof above
1/4	Indicates Field Weld, Shop Weld when not shown.
TYP.	Weld Notes
Weld Type	Weld Type
Weld Size	Weld Size
Weld all sides	Weld all sides
	Refer to AISC, Latest Edition, for All Weld Types & Symbols
▲	Revision Number
☁	Affected Region due to Current Revision.

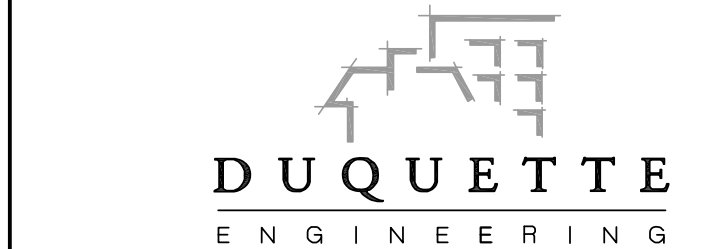
## ABBREVIATIONS

&	And
A.B.	Anchor bolt
▲	At
ALUM.	Aluminum
ARCH.	Architect or Architectural
BLK.	Block
BLKG.	Blocking
BN	Boundary Nailing per Schedule/Plan
BTWN.	Between
C	Channel
CANTL.	Cantilevered
CL or ǂ	Centerline
C.J.	Construction Joint or Cold Joint
C.J.P.	Complete Joint Penetration
CLR	Clear
COL.	Column
COLL.	Collector
CONC.	Concrete
CONN.	Connection
CONT.	Continuous
CMU	Concrete Masonry Unit
DBL.	Double
DF	Douglas Fir
DIA. or ǂ	Diameter
DWG.	Drawing(s)
(E)	Existing
EA.	Each
EF	Edge Fastening
ELEV.	Elevation
EMBED.	Embedment
EN	Edge Nail per Shearwall Schedule
EQ.	Equal
EXT.	Exterior
E.W.	Each Way
FDN.	Foundation
F.F.	Finish Floor
FLR.	Floor
FN	Field Nailing per Schedule
F.O.H.C.	Free of Heart Center
F.P.	Full Penetration
FRMG.	Framing
FTG.	Footing
ga.	Gage (Gauge)
GALV.	Galvanized
G.I.	Galvanized Iron
GLB	Glulam Beam
HD	Holdown
HDR	Header
HGR	Hanger
HORIZ.	Horizontal
H.S.B.	High Strength Bolt(s)
H.S.S.	Hollow Structural Section
HT	Height
INT.	Interior
I.M.R.F.	Intermediate Moment Resisting Frames
LBS. or ǂ	Pounds
LSL	Laminated Strand Lumber
LVL	Laminated Veneer Lumber
(L.L.H.)	Long Leg Horizontal
(L.L.V.)	Long Leg Vertical
MAX.	Maximum
M.B.	Machine Bolt(s)
MC	Miscellaneous Channel
MECH.	Mechanical
MFR.	Manufacturer
MIN.	Minimum
(N)	New
N.T.S.	Not To Scale
o/	Over
O.C.	On Center
O.M.R.F.	Ordinary Moment Resisting Frame
O.F.	Outside Face
O.H.	Opposite Hand
OSB	Oriented Strand Board
PL. or ǂ	Plate
PLYWD.	Plywood
P.J.P.	Partial Joint Penetration
P.P.	Partial Penetration
PSL	Parallel Strand Lumber
PTDF	Pressure Treated Douglas Fir
REINF.	Reinforcing or Reinforcement
REQ.	Require or Required
RWD.	Redwood
S.A.D.	See Architectural Drawings
SECT.	Section
SHT.	Sheet
SIM.	Similar
SN	Sill Nail
SMRF	Special Moment Resisting Frame
SPECS.	Specifications
SQ. or ǂ	Square
S.S.	Stainless Steel
SP	Standard Pipe
XSP	Extra Strong Pipe
XXSP	Double Extra Strong Pipe
STAGG	Staggered
STD.	Standard
STIFF.	Stiffener
STL.	Steel
T&B	Top and Bottom
T.&G.	Tongue and Groove
TN	Toe Nail
T.O.C.	Top of Concrete or Top of Curb
T.O.P.	Top of Plywood
T.O.S.	Top of Steel
TS	Tube Steel
TYP.	Typical
U.N.O.	Unless Noted Otherwise
VERT.	Vertical
V.I.F. or ǂ	Verify In Field
w/	With
w/o	Without
W.P.	Work Point
WT.	Weight



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### CONSULTANT'S STAMP



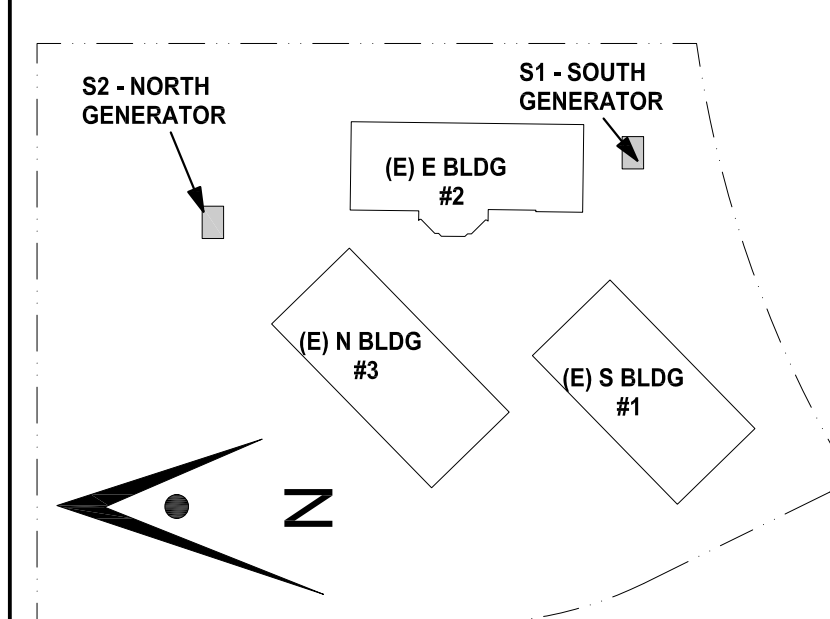
1171 HOMESTEAD ROAD, SUITE 275  
SANTA CLARA, CALIFORNIA 95050

MAIN LINE: 408.615.9200  
WEBSITE: www.duquette-eng.com



DE Job No.: 22-0020.1

### Key Plan



### Project Title

## SCCOE BACKUP GENERATOR

1290 Ridder Park Dr, San Jose

## SANTA CLARA COUNTY OFFICE OF EDUCATION

No.	Description	Date
	BUILDING SUBMITTAL	07/11/22

### Drawing Title

## STRUCTURAL SPECS. ABBREVIATIONS SYMBOLS LEGEND TABLE OF CONTENTS

### Architect Seal

### File No.

### Application No.

### Date

### Project Number

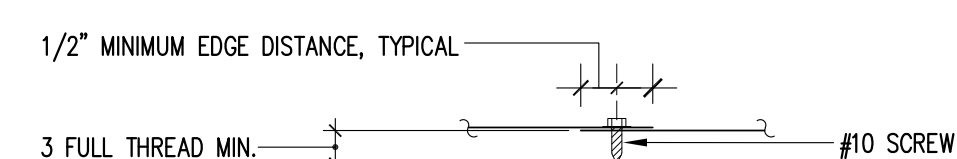
7/11/22  
06451

### Drawing No.

S0.0

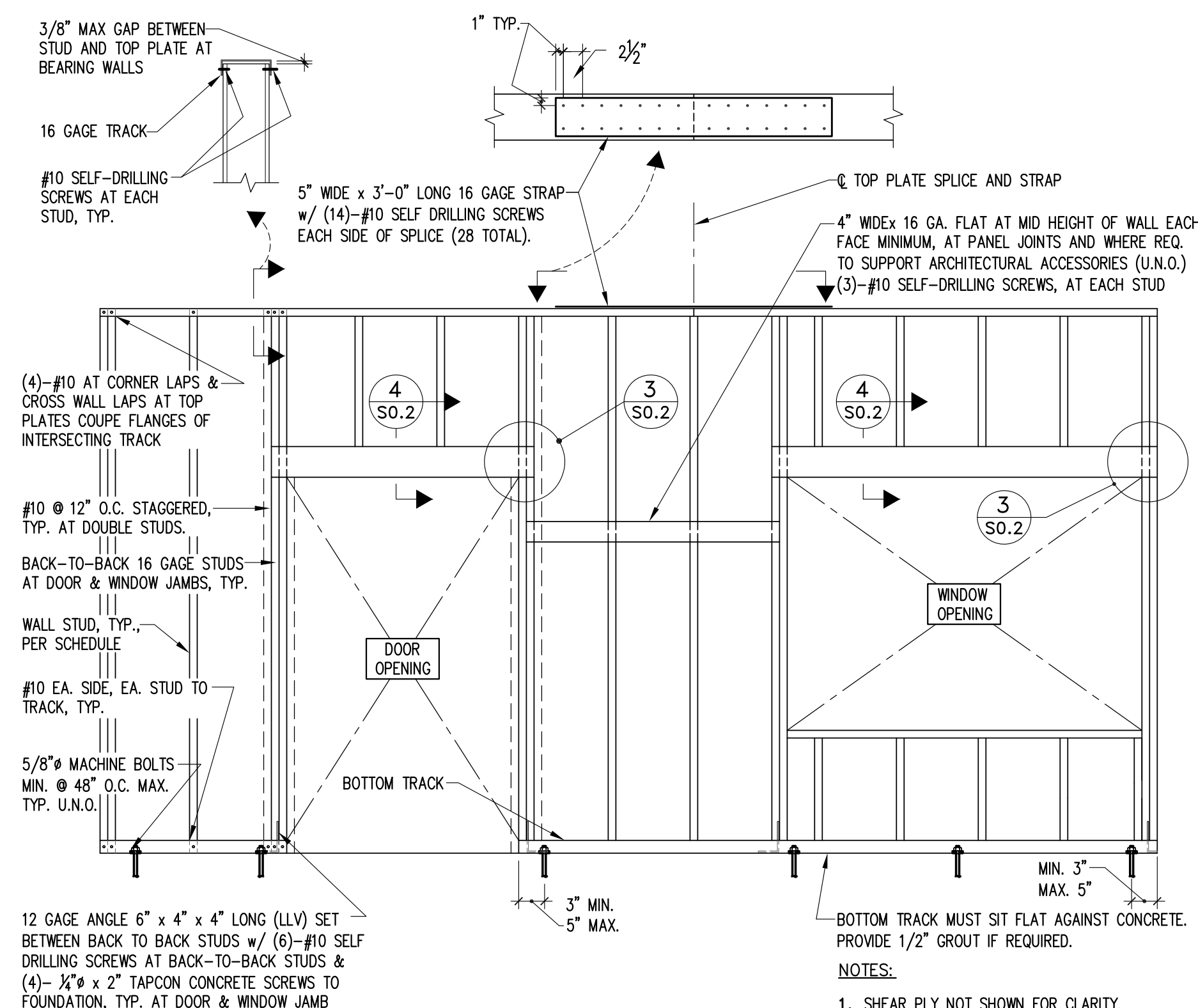
## FASTENING SCHEDULE

FASTENED CONNECTION DESCRIPTION	MINIMUM REQUIRED FASTENING (UNLESS DETAILED OTHERWISE)
JOISTS TO TRACK	(2)-#10 SELF-DRILLING SCREWS
BLOCKING TO TRACK OR HEADER	(3)-10 SELF-DRILLING SCREWS
TRACK AT BOXED HEADER	#10 SELF-DRILLING SCREWS @ 12" O.C. EACH FLANGE
TRACK LEDGER TO STUD	(4)-#10 SELF-DRILLING SCREWS EACH STUD
BACK-TO-BACK MEMBERS	#10 SELF-DRILLING SCREWS STAGGERED @ 12" O.C.
TRACK TO STUD	(2)-#10 SELF-DRILLING SCREWS TOP & BOTTOM
JOIST PARALLEL TO TRACK	#10 SELF-DRILLING SCREWS @ 12" O.C.
SIMPSON ANGLES & CONNECTORS	SEE SIMPSON SPECIFICATIONS



## MINIMUM FASTENING SCHEDULE

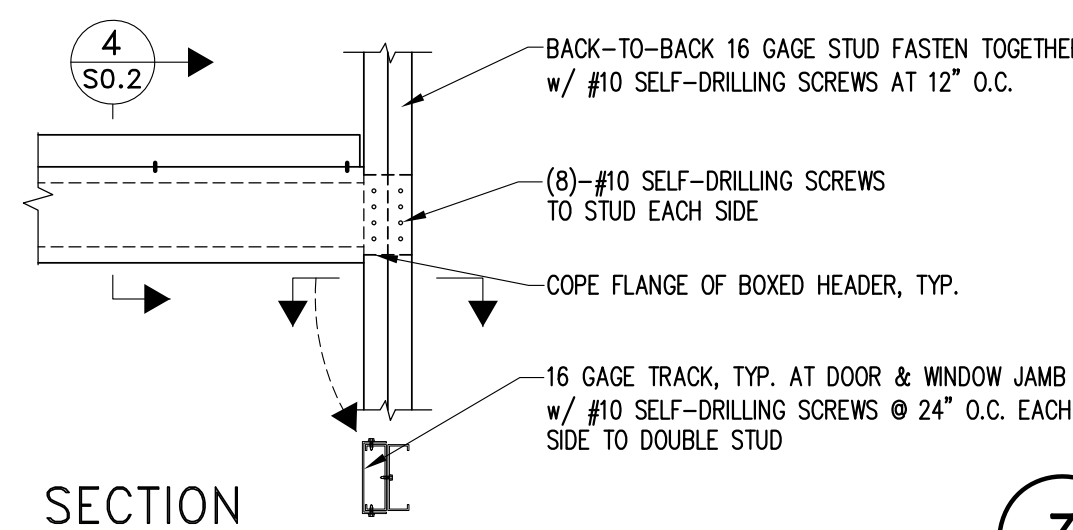
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## TYPICAL BEARING/STUD WALL FRAMING

SCALE: 1/2" = 1'-0"

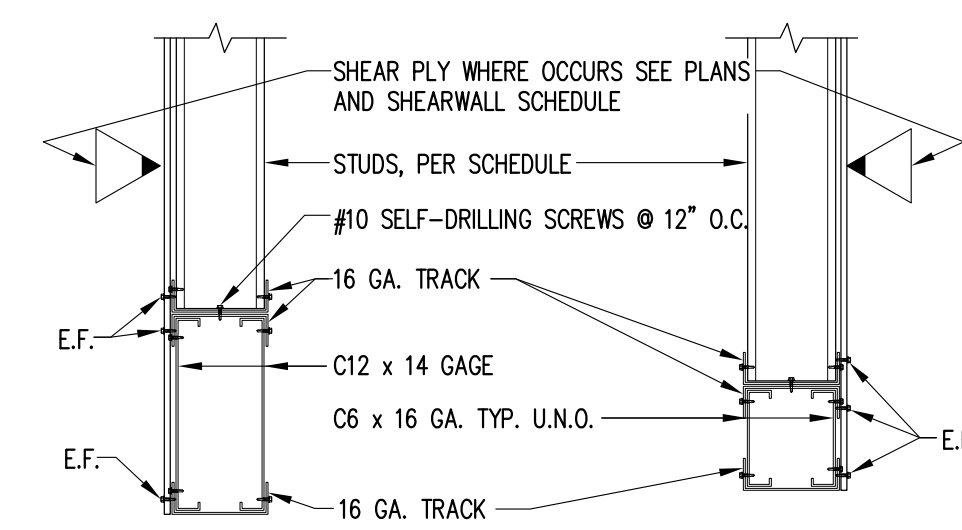
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### SECTION

SCALE: 1" = 1'-0"

3

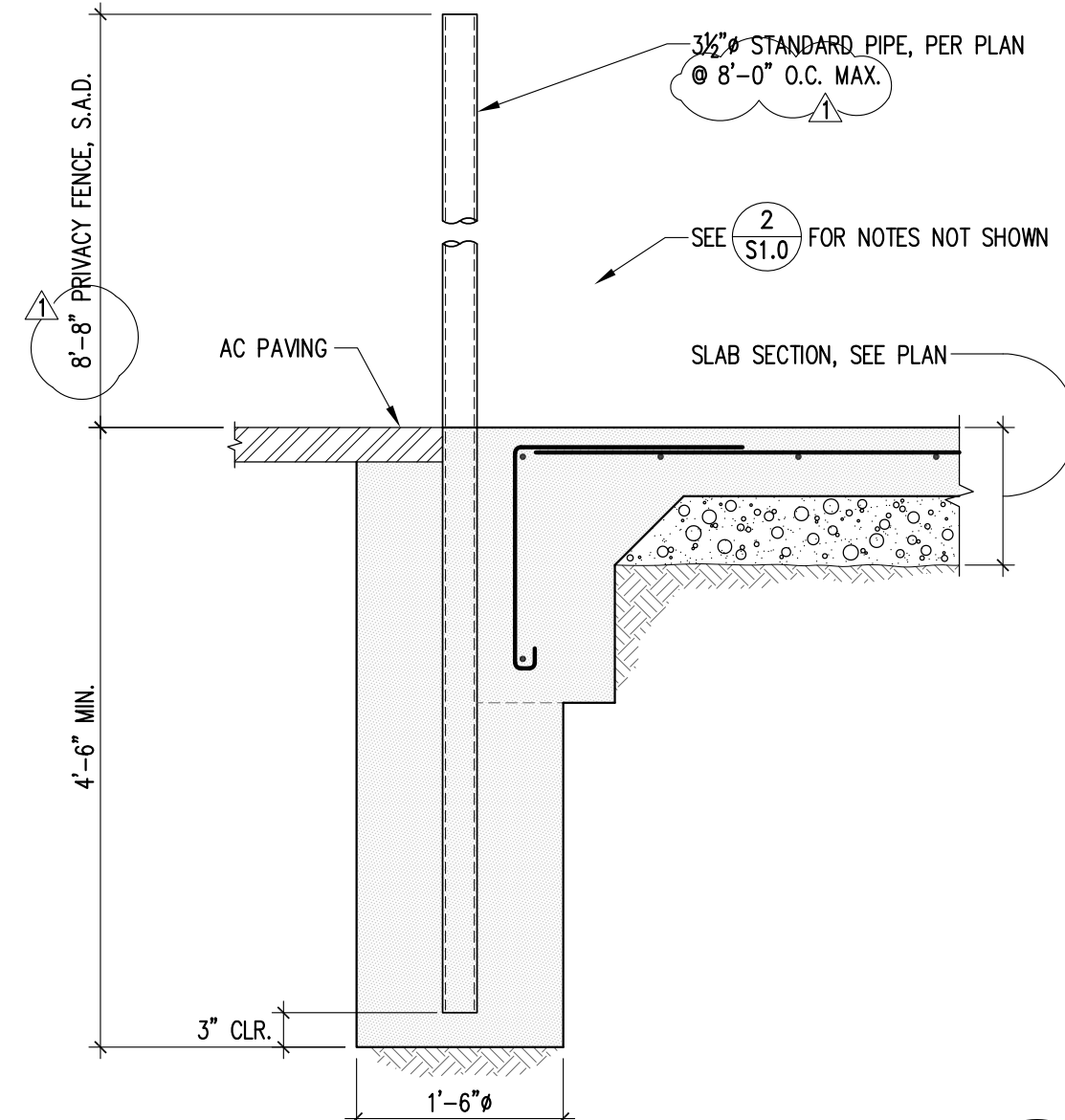


### SECTION

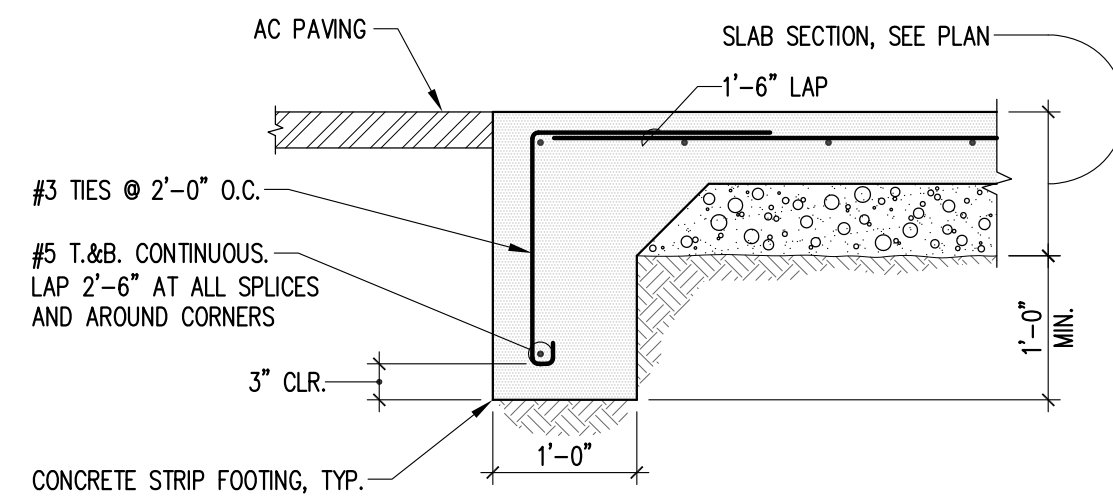
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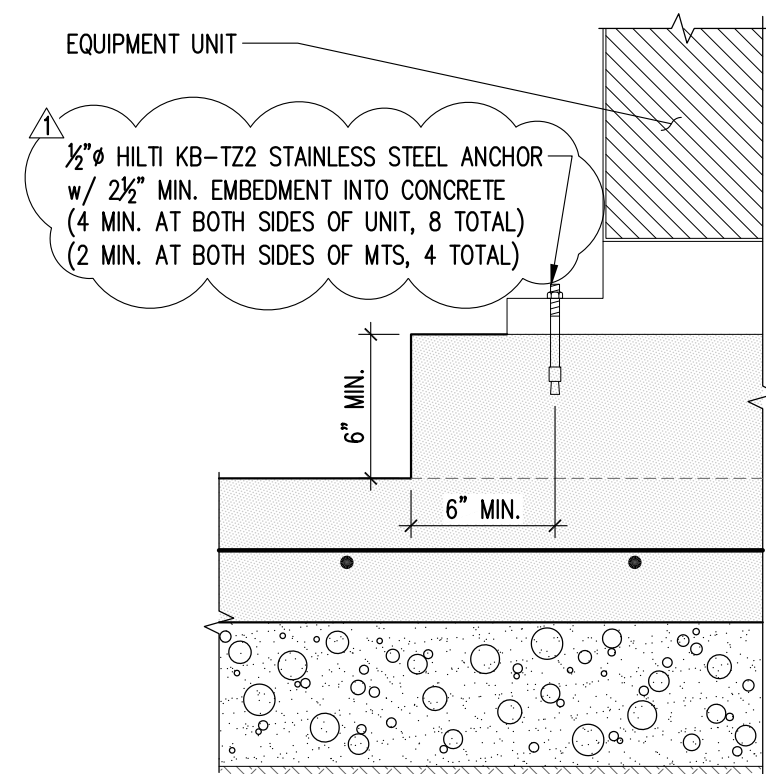




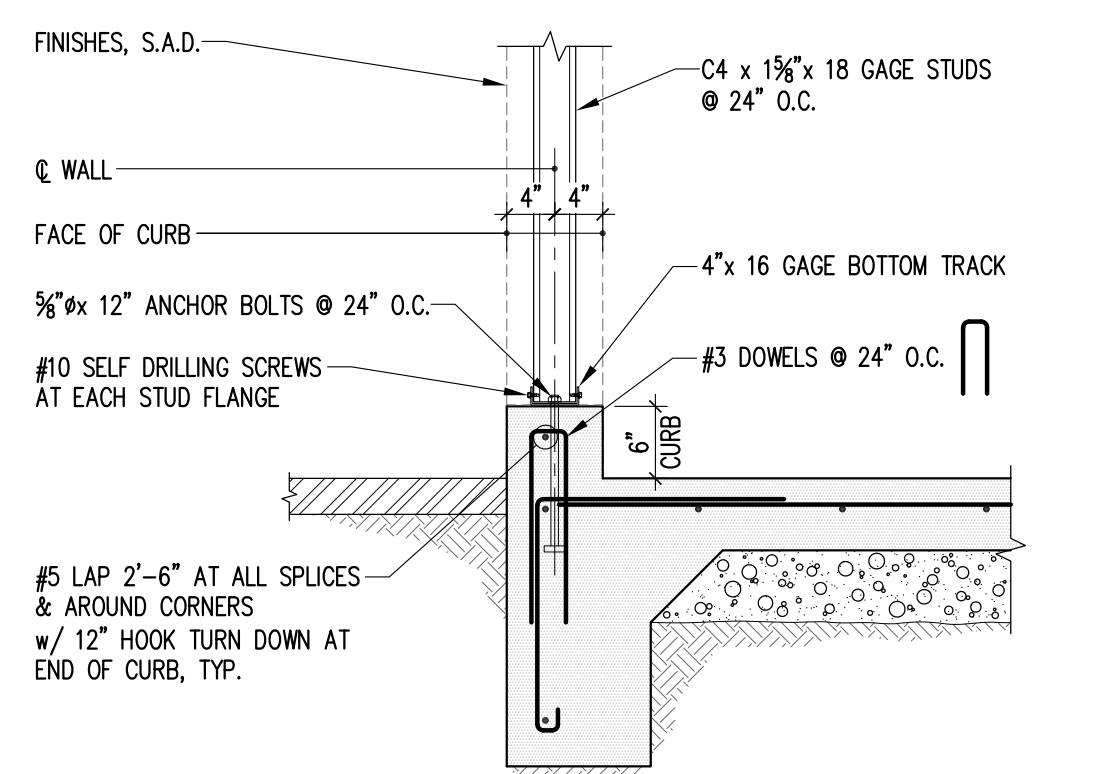
SECTION AT NORTH GENERATOR  
SCALE: 3/4" = 1'-0" 1



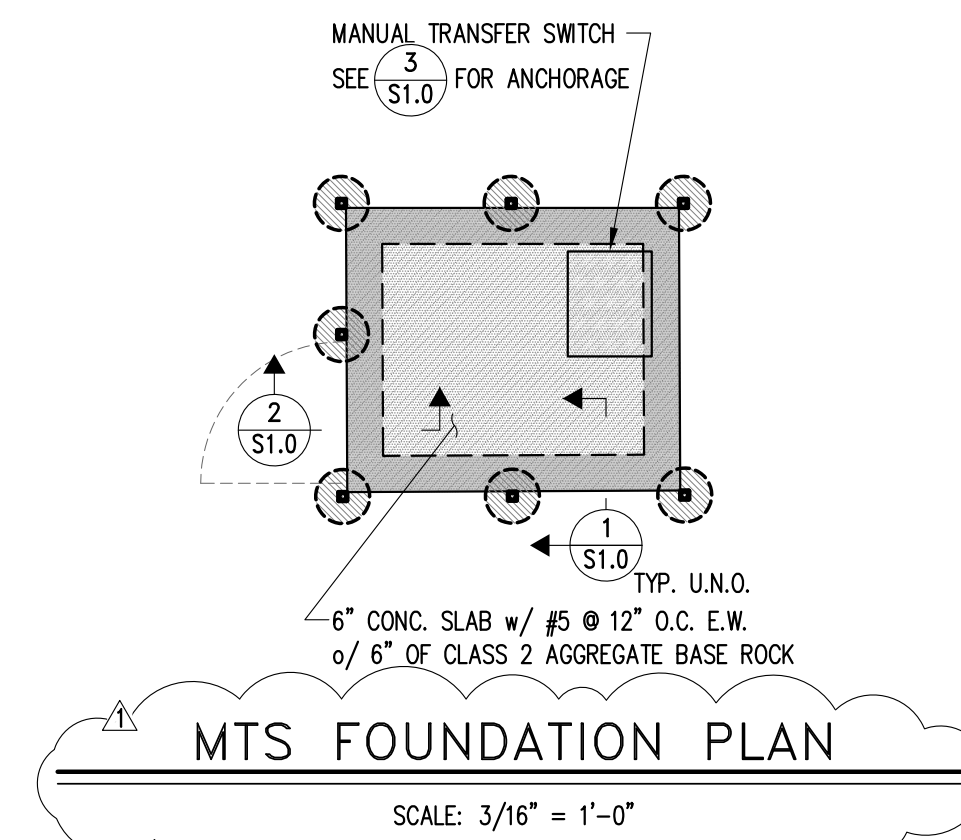
SECTION  
SCALE: 3/4" = 1'-0" 2



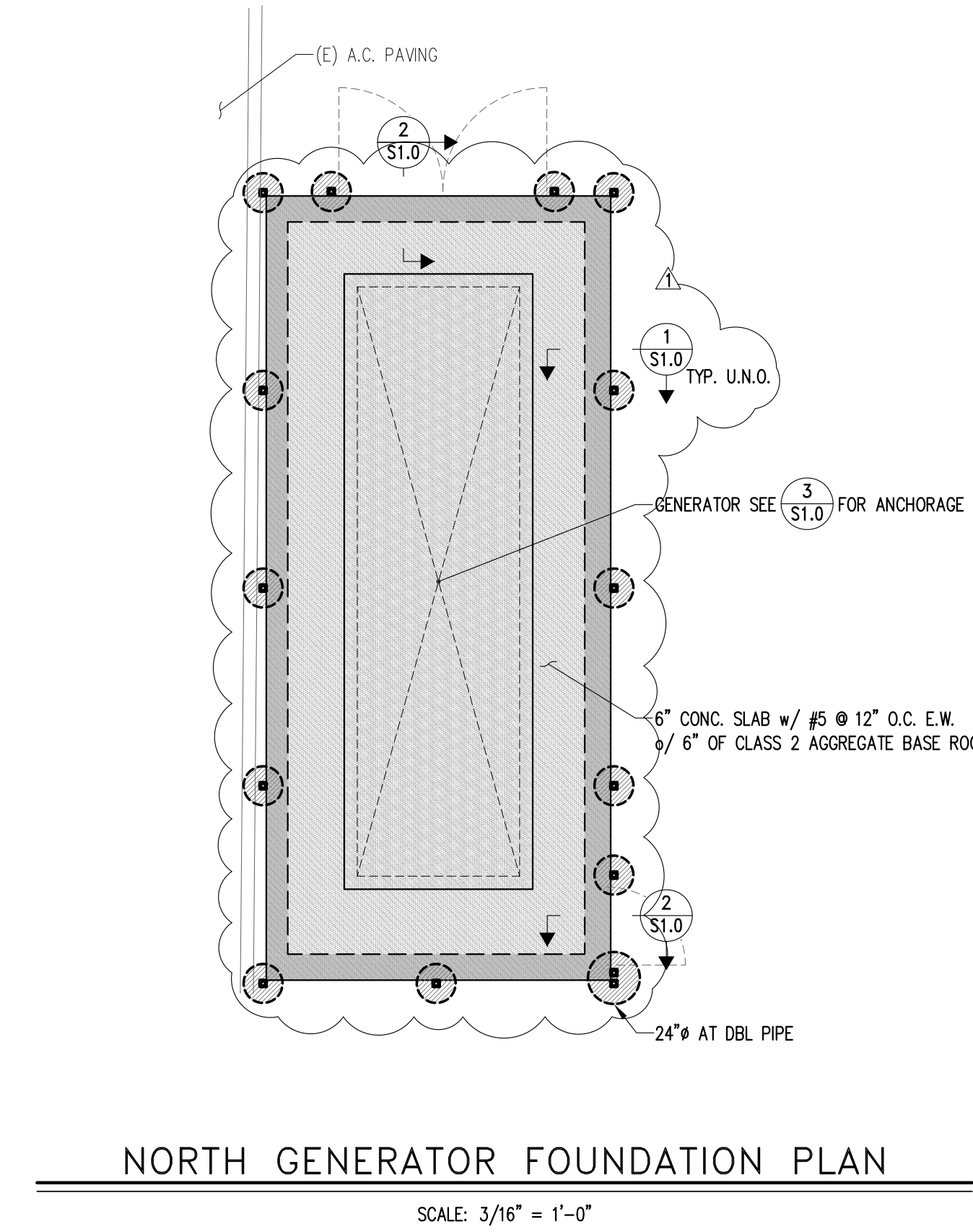
TYPICAL EQUIPMENT ANCHORAGE  
DETAIL  
SCALE: 1-1/2" = 1'-0" 3



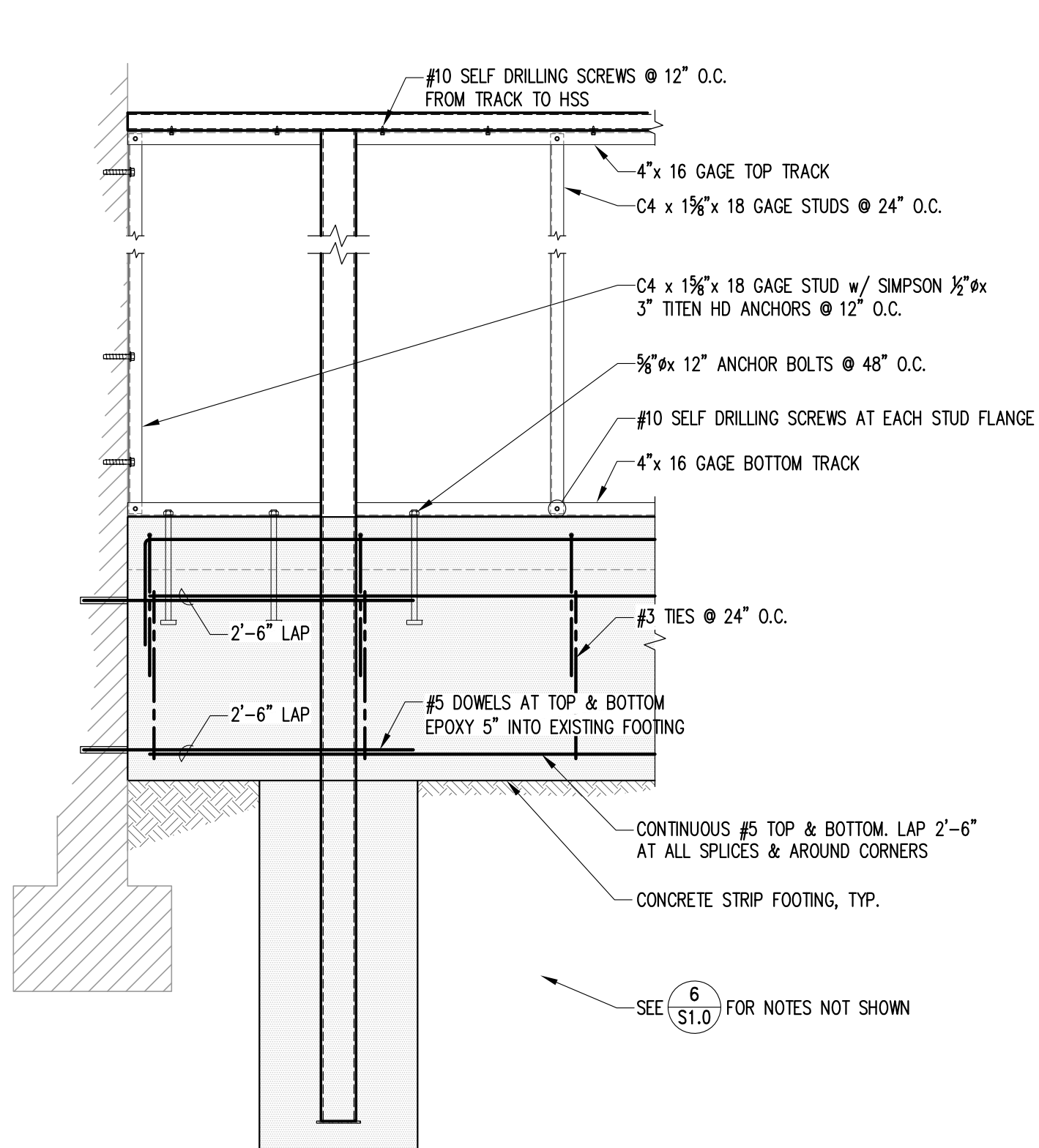
SECTION  
SCALE: 3/4" = 1'-0" 4



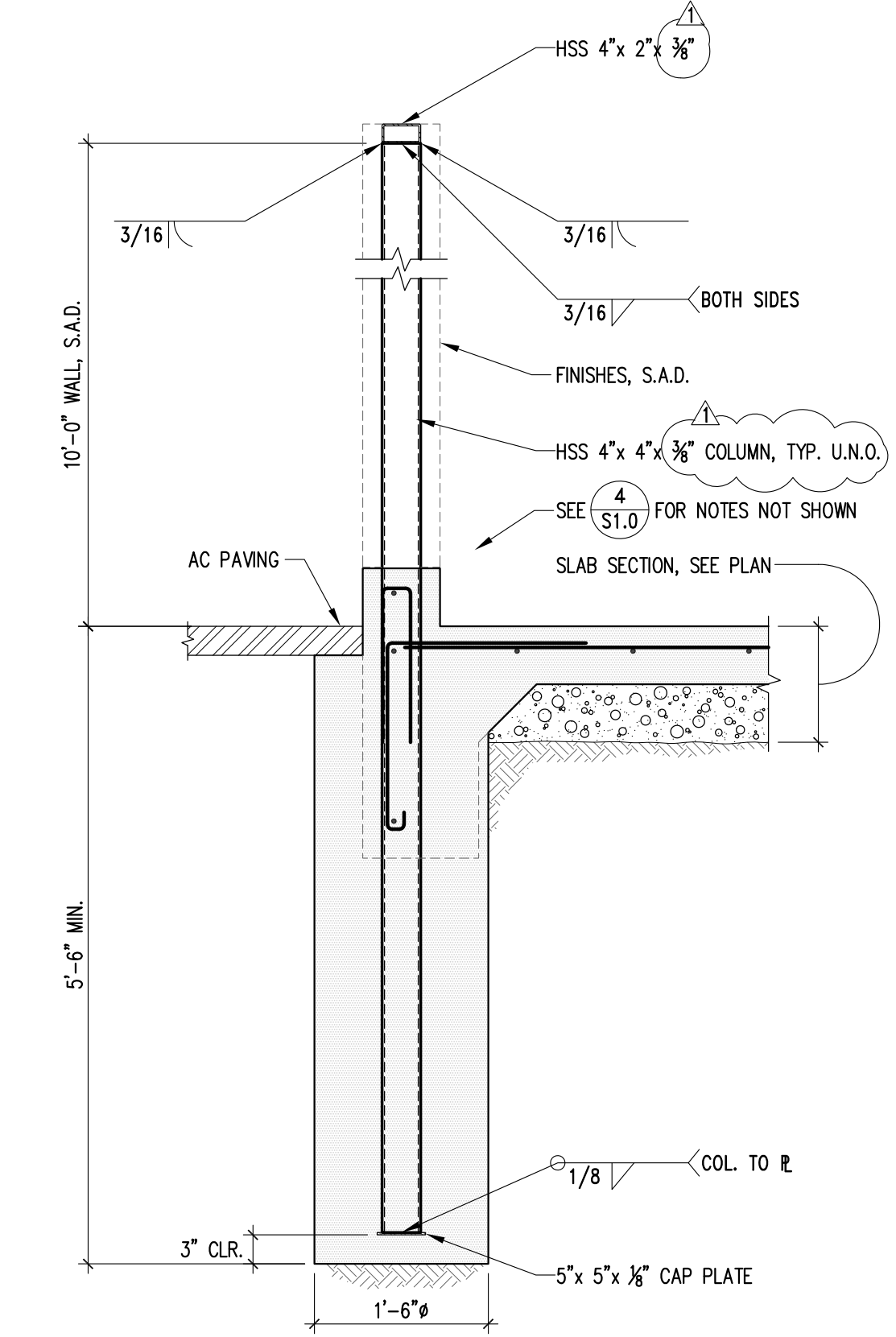
MTS FOUNDATION PLAN  
SCALE: 3/16" = 1'-0"



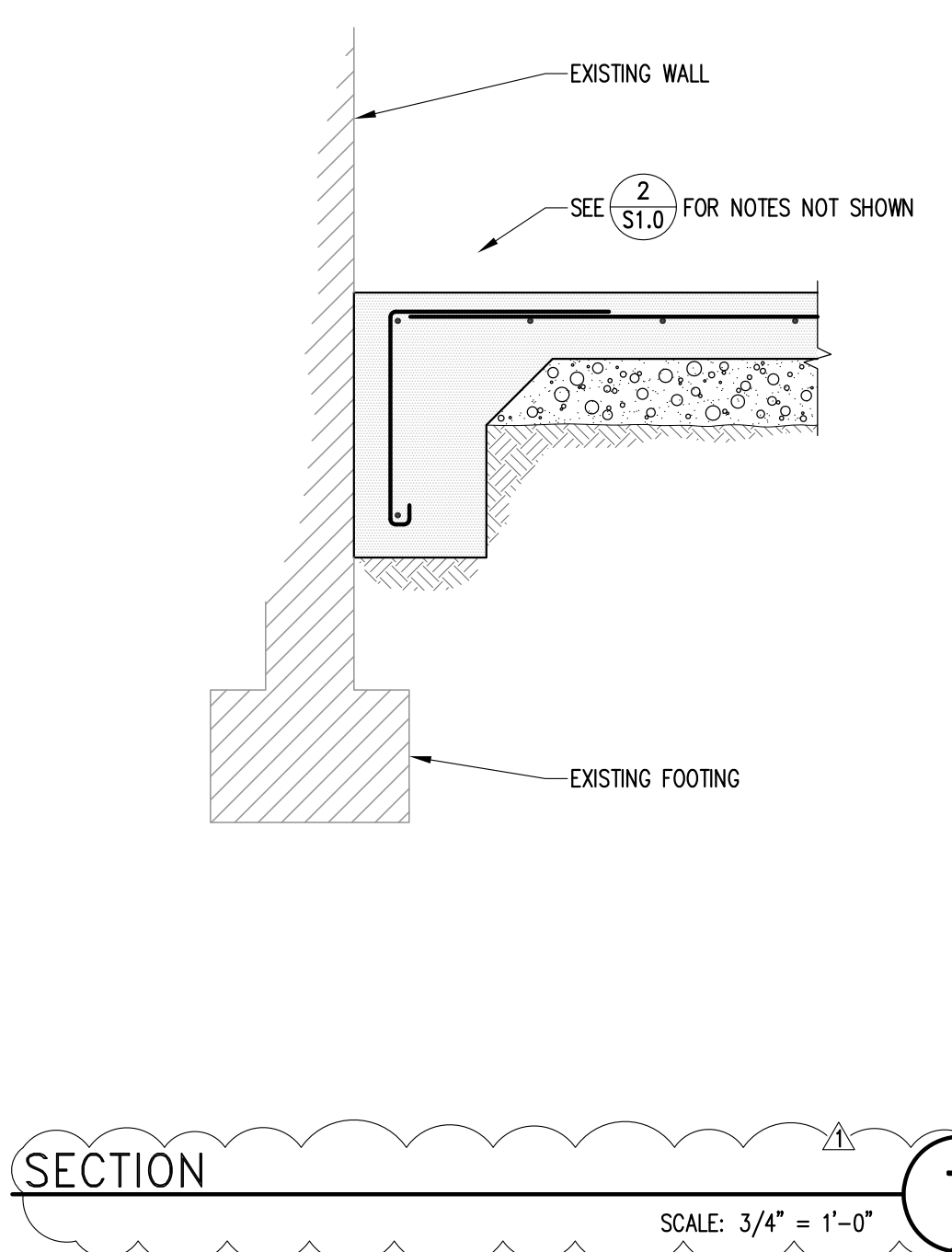
NORTH GENERATOR FOUNDATION PLAN  
SCALE: 3/16" = 1'-0"



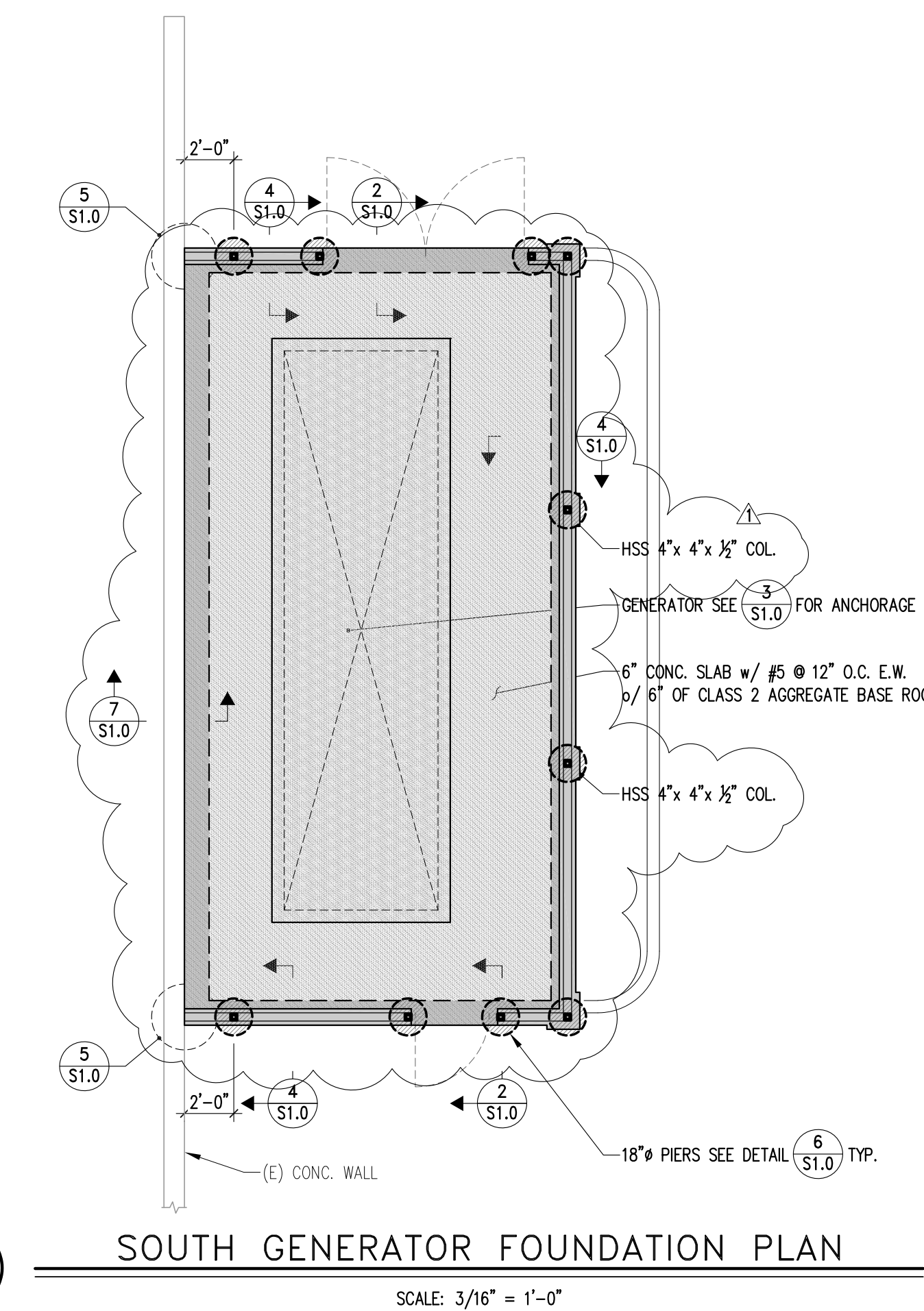
SECTION  
SCALE: 3/4" = 1'-0" 5



SECTION AT SOUTH GENERATOR  
SCALE: 3/4" = 1'-0" 6



SECTION  
SCALE: 3/4" = 1'-0" 7



SOUTH GENERATOR FOUNDATION PLAN  
SCALE: 3/16" = 1'-0"

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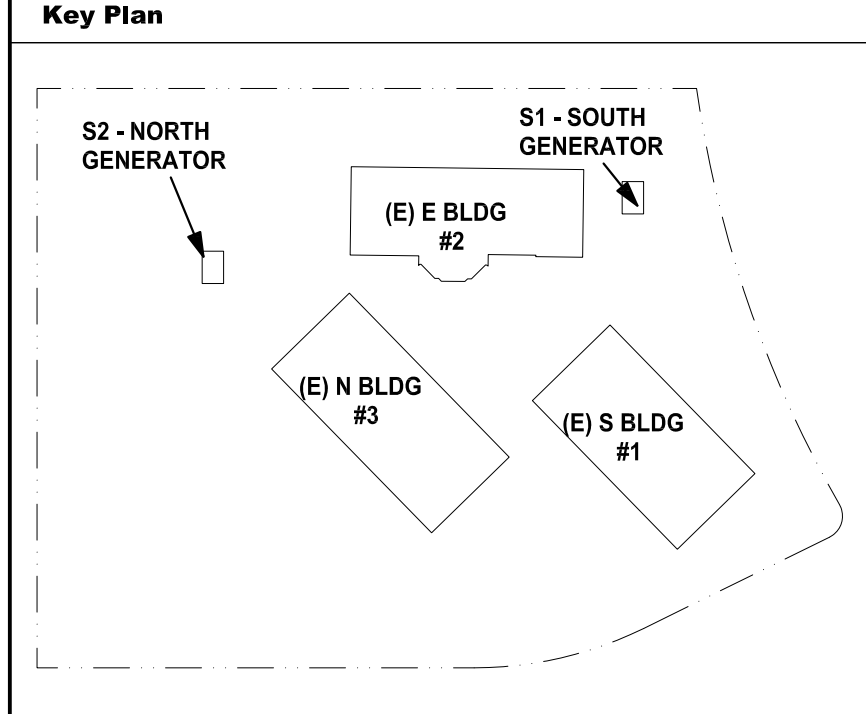
**DUQUETTE**  
ENGINEERING

1171 HOMESTEAD ROAD, SUITE 275  
SANTA CLARA, CALIFORNIA 95050

MAIN LINE: 408.615.9200  
WEBSITE: www.duquette-eng.com

REGISTERED PROFESSIONAL ENGINEER  
STEVEN P. DUQUETTE  
S 3019  
EXP. 3-31-2023  
STATE OF CALIFORNIA

DE Job No.: 22-0020.1



Project Title

**SCCOE BACKUP GENERATOR**

1290 Ridder Park Dr, San Jose

SANTA CLARA COUNTY OFFICE OF EDUCATION

No.	Description	Date
BUILDING SUBMITTAL		07/11/22
ARCH. CHANGES		01/06/23

Drawing Title

**GENERATOR PLANS DETAILS**

Architect Seal

File No.	Drawing No.
Application No.	<b>S1.0</b>
Date	7/11/22
Project Number	06451



# GRADING AND DRAINAGE PLANS FOR SSCOE BACKUP GENERATOR SANTA CLARA COUNTY OFFICE OF EDUCATION 1290 RIDDER PARK DR SAN JOSE, CALIFORNIA

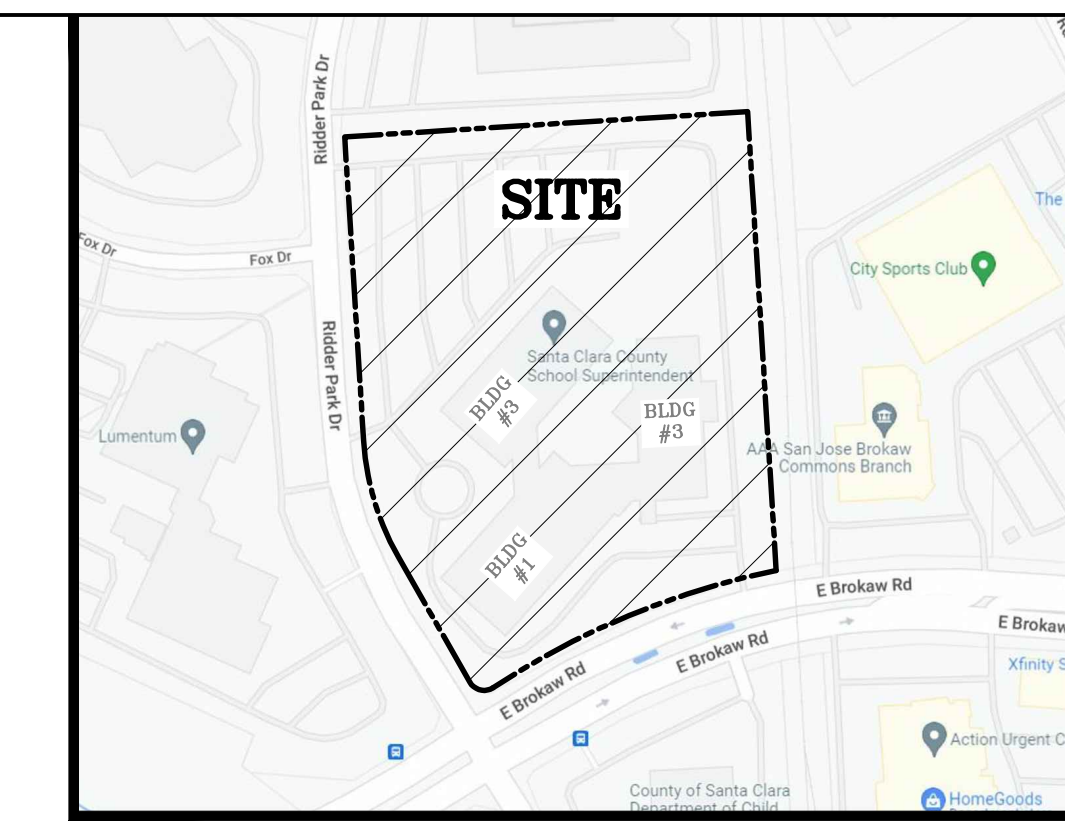
## STANDARD GRADING AND DRAINAGE PLAN NOTES

NOTE: THIS DRAWING IS APPROVED SUBJECT TO:

- ALL GRADING IS SUBJECT TO OBSERVATION BY THE CITY. THE PERMITTEE OR REPRESENTATIVE SHALL NOTIFY THE CITY OF SAN JOSE DEPARTMENT OF PUBLIC WORKS PROJECT INSPECTOR AT LEAST 48 HOURS BEFORE START OF ANY GRADING. THE PROJECT INSPECTOR IS \_\_\_\_\_ VOICEMAIL (408) \_\_\_\_\_
- APPROVAL OF THIS PLAN APPLIES ONLY TO:
  - THE EXCAVATION, PLACEMENT, AND COMPACTION OF NATURAL EARTH MATERIALS.
  - THE INSTALLATION OF ON-SITE (I.E. PRIVATE PROPERTY) STORM WATER CONVEYANCE AND TREATMENT FACILITIES THAT ARE OUTSIDE OF THE 5-FOOT BUILDING ENVELOPE, AND
  - THE INSTALLATION OF RETAINING STRUCTURES THAT ARE INDEPENDENT OF ANY BUILDING STRUCTURE (SEE NOTE 3 BELOW). THIS APPROVAL DOES NOT CONFER ANY RIGHTS OF ENTRY TO EITHER PUBLIC PROPERTY OR THE PRIVATE PROPERTY OF OTHERS. APPROVAL OF THIS PLAN ALSO DOES NOT CONSTITUTE APPROVAL OF ANY IMPROVEMENTS WITH THE EXCEPTION OF THOSE LISTED ABOVE. PROPOSED IMPROVEMENTS, WITH THE EXCEPTION OF THOSE LISTED ABOVE, ARE SUBJECT TO REVIEW AND APPROVAL BY THE RESPONSIBLE AUTHORITIES AND ALL OTHER REQUIRED PERMITS SHALL BE OBTAINED.
- UNLESS OTHERWISE NOTED ON THE PLAN, ANY DEPICTION OF ANY RETAINING STRUCTURE ON THIS PLAN SHALL NOT CONSTITUTE APPROVAL FOR CONSTRUCTION OF THE RETAINING STRUCTURE UNLESS A SEPARATE STRUCTURAL REVIEW BY THE DEPARTMENT OF PUBLIC WORKS IS COMPLETED AND APPROVED.
- IT SHALL BE THE RESPONSIBILITY OF THE PERMITTEE OR AGENT TO IDENTIFY, LOCATE AND PROTECT ALL UNDERGROUND FACILITIES.
- THE PERMITTEE OR AGENT SHALL MAINTAIN THE STREETS, SIDEWALKS, AND ALL OTHER PUBLIC RIGHTS-OF-WAY IN A CLEAN, SAFE, AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK, OR CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC, SHALL BE MAINTAINED IN A CLEAN, SAFE, AND USABLE CONDITION.
- ALL GRADING SHALL BE PERFORMED IN SUCH A MANNER AS TO COMPLY WITH THE STANDARDS ESTABLISHED BY THE AIR QUALITY MANAGEMENT DISTRICT FOR AIRBORNE PARTICULATES.
- THIS PROJECT HAS BEEN DESIGNED TO COMPLY WITH THE FLOOD HAZARD AREA REGULATIONS AS STATED IN CHAPTER 17.08 OF THE SAN JOSE MUNICIPAL CODE.
- ALL KNOWN WELL LOCATIONS ON THE SITE HAVE BEEN INCLUDED. SUCH WELLS SHALL BE MAINTAINED OR ABANDONED ACCORDING TO CURRENT REGULATIONS ADMINISTERED BY THE SANTA CLARA VALLEY WATER DISTRICT. CALL (408) 265-2600 EXTENSION 2660 TO ARRANGE FOR DISTRICT OBSERVATION OF ALL WELL ABANDONMENTS.
- IN THE EVENT THAT HUMAN REMAINS AND/OR CULTURAL MATERIALS ARE FOUND, ALL PROJECT RELATED CONSTRUCTION SHOULD CEASE WITHIN A 100-FOOT RADIUS. THE CONTRACTOR SHALL, PURSUANT TO SECTION 7050.5 OF THE HEALTH AND SAFETY CODE AND SECTION 5097.94 OF THE PUBLIC RESOURCES CODE OF THE STATE OF CALIFORNIA, NOTIFY THE SANTA CLARA COUNTY CORONER IMMEDIATELY.
- THIS PLAN DOES NOT APPROVE THE REMOVAL OF TREES. APPROPRIATE TREE REMOVAL PERMITS AND METHODS OF TREE PRESERVATION SHOULD BE OBTAINED FROM THE CITY'S PLANNING DEPARTMENT AND THE CITY ARBORIST.
- FOR NON-RESIDENTIAL PROJECTS, AN NON-HAZARDOUS EXPORT RESULTING FROM PROJECT RELATED EXCAVATION OR LAND CLEARING SHALL BE 100% REUSED AND RECYCLED PER CALIFORNIA GREEN BUILDING STANDARDS CODE SECTION 5.408.
- BOLT-DOWN STORM DRAIN MANHOLE COVERS SHALL BE USED WHEN STORM DRAIN MANHOLES ARE NOT IN THE STREET (I.E. WHEN LOCATED IN LANDSCAPED AREAS, SIDEWALKS, ON-SITE EASEMENTS, ETC.).
- STORM DRAIN INLETS:
  - STENCILING LOCATION: CONTRACTOR SHALL STENCIL ALL STORM DRAIN INLETS AND CATCH BASINS WITH THE "NO DUMPING - FLOWS TO NEIGHBORHOOD CREEK" STENCIL. THE "NO DUMPING" MESSAGE SHOULD BE APPLIED TO BOTH THE TOP OF THE CURB AND THE FACE OF THE CURB NEXT TO THE STORM DRAIN INLET, PREFERABLY ON THE LEFT SIDE. IF THIS IS NOT FEASIBLE, PLACE THE MESSAGE IN THE STREET IN FRONT OF THE INLET.
  - PREVIOUSLY MARKED INLETS: INLETS THAT HAVE ALREADY BEEN LABELED WITH PERMANENT PLASTIC "NO DUMPING" MARKERS DO NOT NEED STENCILING. IF THE INLET HAS BEEN PREVIOUSLY STENCILED, PAINT OVER THE OLD PAINT AND APPLY A FRESH STENCIL.
  - COLORS AND MATERIALS: USE WHITE TRAFFIC STRIPING PAINT FOR THE BACKGROUND AND BLUE TRAFFIC STRIPING PAINT FOR THE LETTERING. TRAFFIC STRIPING PAINT CAN BE PURCHASED AT COMMERCIAL PAINT RETAILERS OR THROUGH SPECIALTY TRAFFIC CONTROL OR CONSTRUCTION SUPPLIERS. THE USE OF ORDINARY PAINT FOR STORM DRAIN MARKING IS NOT ALLOWED. THE STENCILS MAY BE OBTAINED, AT NO CHARGE, THROUGH THE ENVIRONMENTAL SERVICE DEPARTMENT. CONTACT AMBER SCHAT AT 408-945-3000.
- THE CIVIL ENGINEER INFORMATION AND STATEMENTS:
  - THE CIVIL ENGINEER FOR THIS PROJECT IS:  
MARK SORENSON  
UNDERWOOD & ROSENBLUM, INC.  
1630 OAKLAND ROAD, SUITE A114  
SAN JOSE, CA. 95131.  
(408) 453-1222
  - THIS ROUGH GRADING PLAN HAS BEEN PREPARED UNDER THE DIRECTION OF A LICENSED ENGINEER AND DESIGNED BASED ON THE RECOMMENDATIONS OF THE REFERENCE PROJECT GEOTECHNICAL REPORT.
  - THE STORMWATER CONVEYANCE SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE APPROPRIATE BUILDING AND PLUMBING CODES OR HAS BEEN PROVEN TO BE DESIGNED WITH ADEQUATE CAPACITY THROUGH SIGNED AND SEALED HYDRAULIC CALCULATIONS.
- SOILS ENGINEER INFORMATION AND REQUIREMENTS:
  - 
  - 
  - ALL GRADING WORK SHALL CONFORM TO THE RECOMMENDATION OF THE PROJECT GEOTECHNICAL REPORT AND/OR THE PROJECT SOIL ENGINEER.
  - ALL GRADING WORK SHALL BE OBSERVED AND APPROVED BY THE SOIL ENGINEER. THE SOIL ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE BEGINNING ANY GRADING. UNOBSERVED AND/OR UNAPPROVED GRADING WORK SHALL BE REMOVED AND REPLACED UNDER OBSERVATION.
- A POST CONSTRUCTION "FINAL" REPORT IS REQUIRED BY THE DIRECTOR OF PUBLIC WORKS FROM A CIVIL ENGINEER RETAINED BY THE OWNER TO OBSERVE THE CONSTRUCTION STATING:
  - "THAT THE CONSTRUCTION CONFORMS TO THE LINES AND GRADES ON THE APPROVED PLANS;" OR
  - "THAT ALL SIGNIFICANT CHANGES WERE REVIEWED AND APPROVED IN ADVANCE BY THE DEPARTMENT OF PUBLIC WORKS" AND THE CIVIL ENGINEER SHALL SUBMIT A "RECORD DRAWING" PLAN.
- A POST CONSTRUCTION "FINAL" REPORT IS REQUIRED BY THE DIRECTOR OF PUBLIC WORKS FROM A SOIL ENGINEER AND ALSO FROM AN ENGINEERING GEOLOGIST IF THE PROJECT IS IN A GEOLOGIC HAZARD ZONE, STATING:
  - "THAT THE ANTICIPATED CONDITIONS AND MATERIALS AND ACTUAL SITE CONDITIONS AND MATERIALS WERE COMPATIBLE," AND SUPPLY SUPPORTING DATA; OR
  - "THAT THE DESIGN WAS MODIFIED TO MEET THE NEW CONDITIONS AND WAS REVIEWED AND APPROVED IN ADVANCE BY THE DEPARTMENT OF PUBLIC WORKS;" AND PROVIDE SUPPORTING DATA FOR THESE STATEMENTS.
- ACCORDING TO THE CITY'S WASTE WATER ORDINANCE, THE USE OF POTABLE (PIPED OR HYDRANT) WATER FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED.
 

RECLAIMED WATER IS AVAILABLE AT MULTIPLE LOCATIONS ACROSS THE CITY. TO CERTIFY FOR A RECYCLED WATER METER, PLEASE CALL LYLE FROHMAN AT (408) 794-6805.

AN APPLICATION FOR AN EXCEPTION PERMIT TO APPROVE USE OF HYDRANT WATER CAN BE CONSIDERED IN THE PW DEVELOPMENT SERVICES OFFICE. FAX-BACK SERVICE IS PROVIDED FOR THIS PERMIT APPLICATION -- CONTACT (408) 535-7802.
- A HAUL ROUTE PERMIT IS REQUIRED FOR ALL PROJECTS MOVING MORE THAN 10,000 C.Y. OF EARTH. THIS GRADING PERMIT IS INVALID WITHOUT THE HAUL ROUTE PERMIT. HAUL ROUTE PERMITS SHALL BE OBTAINED FROM THE CITY'S TRANSPORTATION DEPARTMENT.
- GRADING WILL NOT BE ALLOWED BETWEEN OCTOBER 1ST AND APRIL 30TH OF ANY YEAR WITHOUT EROSION CONTROL PLANS AND MEASURES APPROVED BY THE DIRECTOR OF PUBLIC WORKS. STORMWATER POLLUTION PREVENTION MEASURES IN ACCORDANCE WITH CITY SPECIFICATIONS AND WITH THE DOCUMENT "CLEAN BAY BLUEPRINT" SHALL BE IMPLEMENTED THROUGHOUT THE YEAR TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.
- A POST CONSTRUCTION "AS-BUILT" PLAN IS REQUIRED BY THE DIRECTOR OF PUBLIC WORKS FROM A CIVIL OR SOILS ENGINEER RETAINED BY THE OWNER TO PROVIDE THE FINAL HORIZONTAL AND VERTICAL LOCATIONS OF THE IMPROVEMENT APPROVED WITH THIS PLAN. SUCH IMPROVEMENTS INCLUDE SUBDRAINS, ON-SITE STORM WATER CONVEYANCE AND TREATMENT SYSTEMS, AND ON-SITE RETAINING STRUCTURES.



VICINITY MAP  
NTS

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www.Artika3.com

CONSULTANT'S STAMP

## UR

**UNDERWOOD & ROSENBLUM, INC.**  
civil engineers and surveyors

1630 Oakland Road Ste. A114 San Jose, Ca. 95131  
Tel. No. (408) 453 1222 www.uandor.com  
PROJECT NO. J22071



SHEET INDEX		
1	C0	COVERSHEET
2	C1	N BUILDING DEMOLITION PLAN
3	C1.1	S BUILDING DEMOLITION PLAN
4	C2	N BUILDING GRADING AND UTILITY PLAN
5	C2.1	S BUILDING GRADING AND UTILITY PLAN
6	C3	DETAILS

**APPROVED FOR GRADING  
AND DRAINAGE ONLY**

DEPARTMENT OF PUBLIC WORKS  
CITY OF SAN JOSE, CALIFORNIA

PROJECT ENGINEER _____	DATE _____
# 22- -GR _____	EXPIRATION DATE _____
PERMIT NUMBER _____	EXPIRATION DATE _____

**EARTH WORK QUANTITIES**

CUT: 0 CY \_\_\_\_\_

FILL: 0 CY \_\_\_\_\_

EXPORT: 0 CY \_\_\_\_\_

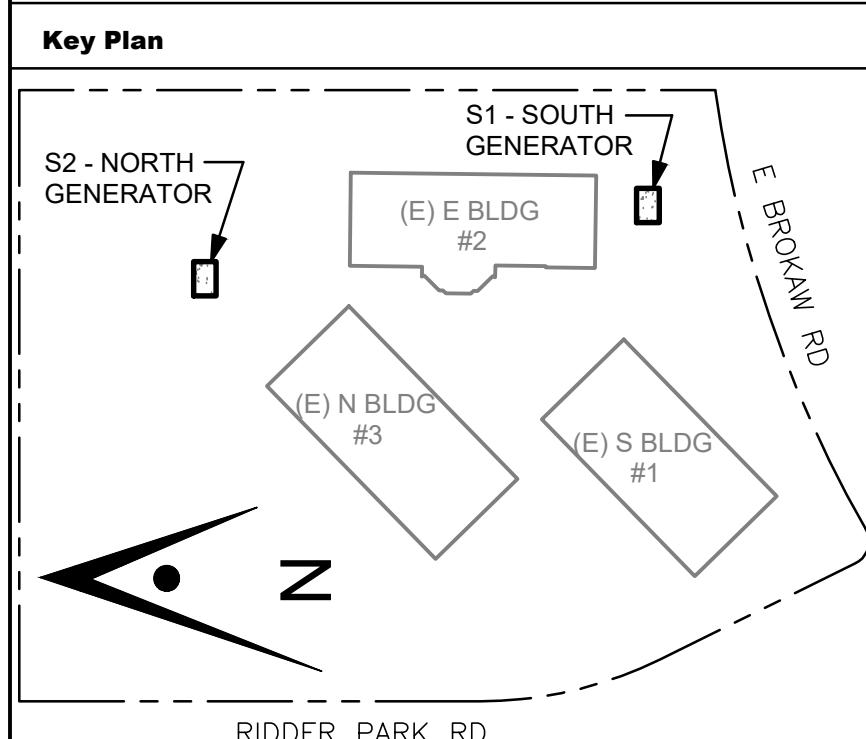
NOTE: EARTHWORK QUANTITIES SHOWN ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INDEPENDENTLY ESTIMATE QUANTITIES FOR HIS/HER OWN USE.

### LEGEND

DESCRIPTION	TO BE CONST.	EXISTING
DISTINCTIVE BOUNDARY LINE	---	---
CURB	====	====
CURB AND GUTTER	=====	=====
CONCRETE SIDEWALKS/WALKWAYS	[Pattern]	[Pattern]
GENERATOR CONCRETE PAD 6" CONC. SLAB W/ #5 @ 12" O.C. E.W. O/ 6" OF CLASS II AGG. BASE ROCK (SEE STRUCTURAL PLAN)	[Pattern]	[Pattern]
NEW AC PAVEMENT - TRAFFIC (3" AC ON 9" CLASS 2 AB ON 6" RECOMPACTED SUBGRADE (95%))	[Pattern]	[Pattern]
AREA DRAIN	○ AD	○ AD
DRAIN WATER LEADER	○ RWL	○ RWL
GAS LINE	— G —	— G —
RECYCLE WATER LINE	— RW —	— RW —
COMMUNICATION LINE	— COM —	— COM —
ELECTRICAL LINE	— E —	— E —
STORM DRAIN CLEANOUT	○ SDCO	○ SDCO
SANITARY SEWER CLEANOUT	○ SSCO	○ SSCO
SAWCUT LINE	--- X ---	--- X ---
FENCE	--- X ---	--- X ---

### ABBREVIATIONS

AD	AREA DRAIN	HP	HIGH POINT
AC	ASPHALT CONCRETE	IN	INVERT ELEVATION IN
ARCH	ARCHITECT	JT	JOINT TRENCH
BC	BACK OF CURB	LP	LOW POINT
BW	BACK OF WALK	P	PAVEMENT
C	CONCRETE	PAD	PAD ELEVATION
CB	CATCH BASIN	POC	POINT OF CONNECTION
CLF	CHAIN LINK FENCE	PVC	POLYVINYL CHLORIDE
DS	DOWNSPOUT	S.A.D	SEE ARCHITECTURE DRAWING
EASE	EASEMENT	S.E.D	SEE ELECTRICAL DRAWING
EX.	EXISTING	S.L.D	SEE LANDSCAPE DRAWING
FF	FINISH FLOOR	S.S.D	SEE STRUCTURAL DRAWING
FL	FLOW LINE	SW	SIDEWALK
G	GRADE	TC	TOP OF CURB
GB	GRADE BREAK	TYP.	TYPICAL
GR	GRATE	WM	WATER METER



**Project Title**

## SSCOE BACKUP GENERATOR

1290 Ridder Park Dr, San Jose

**SANTA CLARA COUNTY OFFICE OF EDUCATION**

No.	Description	Date
1	BUILDING SUBMITTAL	07/11/22

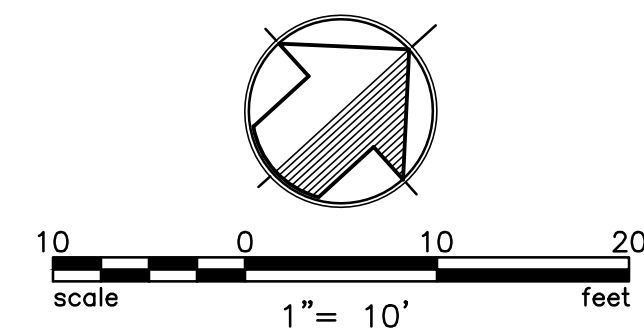
**Drawing Title**

# COVERSHEET

**Architect Seal**

<b>File No.</b> _____	<b>Drawing No.</b> _____
<b>Application No.</b> _____	
<b>Date</b> 06-24-2022	<b>C0</b>
<b>Project Number</b> J22071	
<b>PW Project #</b> _____	Sheet 1 of 6





ALL CONTRACTORS SHALL CALL UNDERGROUND SERVICE ALERT (CA. 1-800-642-2444) 48 HOURS BEFORE DIGGING AND OBTAIN AN IDENTIFICATION NUMBER (SECTION 4210.1 OF THE GOVERNMENT CODE).

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CONTRACTOR POTHOLE TO VERIFY EXISTING UTILITIES INVERT PRIOR TO CONSTRUCT NEW UTILITIES. IF THERE IS A CONFLICT, PLEASE NOTIFY TO THE CIVIL ENGINEER IMMEDIATELY.

**DEMOLITION NOTES: "FOR INFORMATION ONLY"**

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  - SUBSURFACE OR LATENT PHYSICAL CONDITIONS AT THE SITE DIFFERING FROM THOSE INDICATED.
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- REMOVE EXISTING PAVEMENT, CURB AND UTILITIES (AS SHOWN).
- CONTRACTOR TO CONTROL DUST DURING DEMOLITION.
- CONTRACTOR TO RECYCLE MATERIALS WHENEVER POSSIBLE.

**DEMOLITION LEGEND**

	REMOVE EXISTING PAVEMENT/CONCRETE
	GRIND & 3" AC OVERLAY
	REMOVE EXISTING TREE
	REMOVE EXISTING CURB/GUTTER
	REMOVE EXISTING FENCE
	REMOVE EXISTING UNDERGROUND UTILITY
	LIMIT OF SITE DEMOLITION, CLEARING AND GRADING
	SAW CUT LINE
AC	ASPHALT CONCRETE
AD	AREA DRAIN
CB	CATCH BASIN
CO	CLEAN OUT
CONC.	CONCRETE
EX., EXIST.	EXISTING
S.A.D	SEE ARCHITECTURE DRAWING
S.E.D	SEE ELECTRICAL DRAWING
TYP.	TYPICAL

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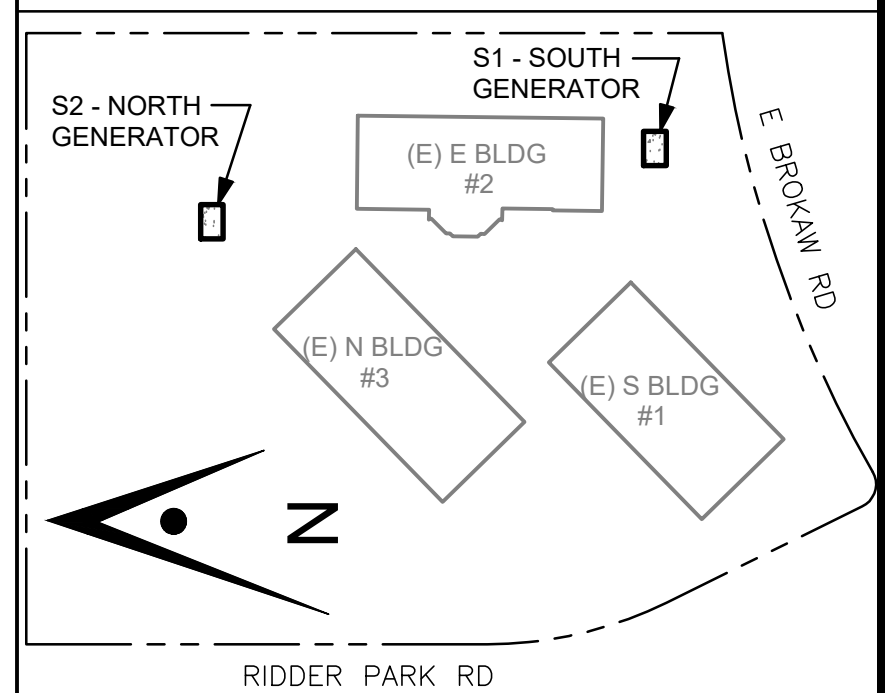


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Fax 408.224.9891  
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**CONSULTANT'S STAMP**



**Key Plan**



**Project Title**

**SCCOE BACKUP GENERATOR**  
1290 Ridder Park Dr, San Jose  
**SANTA CLARA COUNTY OFFICE OF EDUCATION**

No.	Description	Date
	BUILDING SUBMITTAL	07/11/22
1	GENERATOR REVISIONS	01/26/23

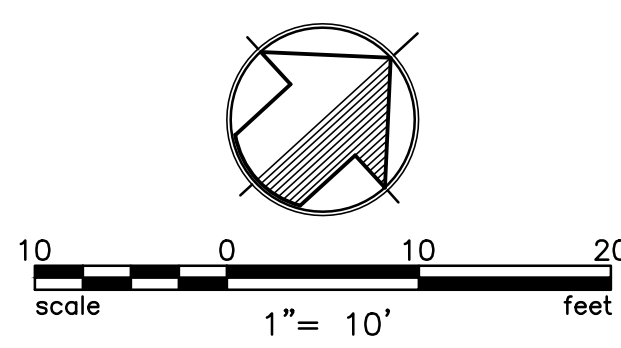
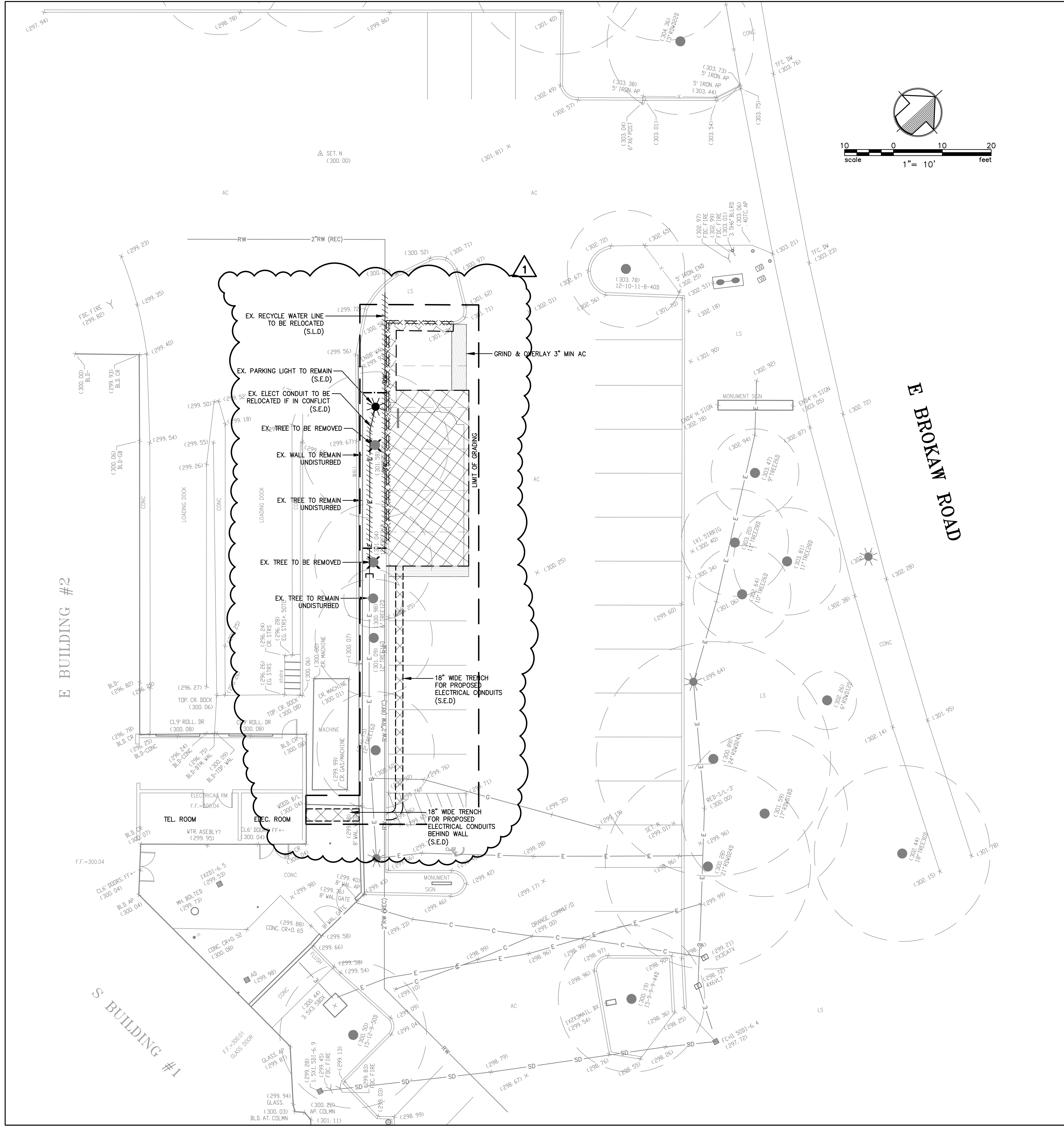
**Drawing Title**

**ENLARGED PLAN  
N BUILDING  
DEMOLITION PLAN**

**Architect Seal**

<b>File No.</b>	<b>Drawing No.</b>
<b>Application No.</b>	<b>C1</b>
<b>Date</b>	
<b>Project Number</b>	
<b>PW Project #</b>	





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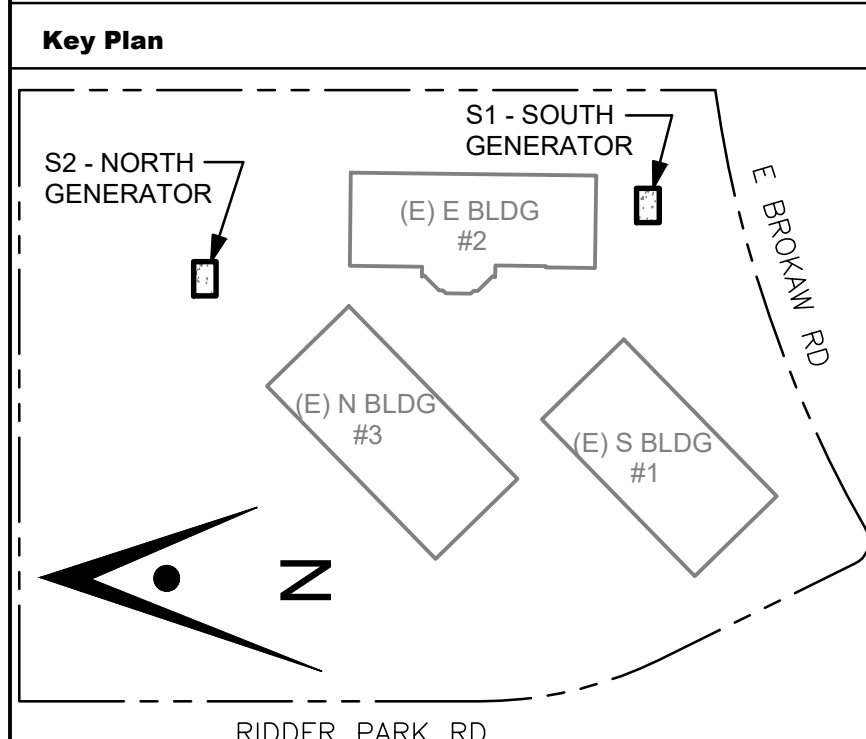
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civil engineers and surveyors

1630 Oakland Road Ste. A114 San Jose, Ca. 95131  
Tel. No. (408) 453 1222 www.uandor.com  
PROJECT NO. J22071



**Project Title**

**SCCOE BACKUP GENERATOR**

1290 Ridder Park Dr, San Jose

**SANTA CLARA COUNTY OFFICE OF EDUCATION**

No.	Description	Date
	BUILDING SUBMITTAL	07/11/22
1	GENERATOR REVISIONS	01/26/23

**Drawing Title**

**ENLARGED PLAN S BUILDING DEMOLITION PLAN**

**Architect Seal**

<b>File No.</b>	<b>Drawing No.</b>
<b>Application No.</b>	
<b>Date</b>	
<b>Project Number</b>	
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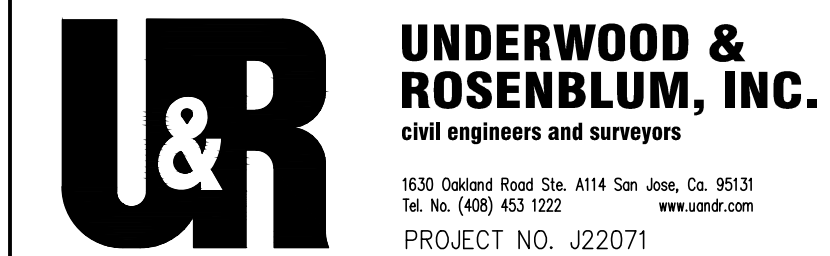
06-24-2022  
J22071

**C1.1**

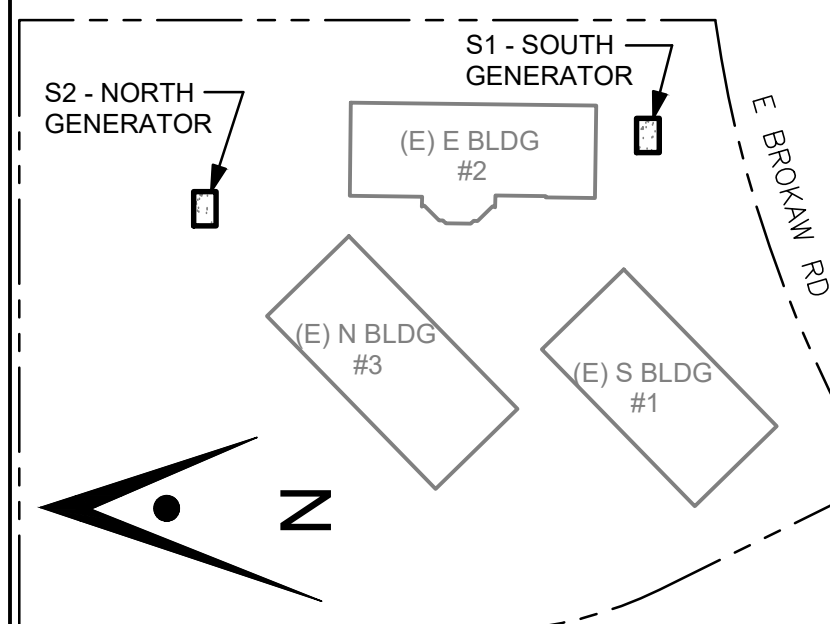
Sheet 3 of 6



CONSULTANT'S STAMP



Key Plan



Project Title

## SCCOE BACKUP GENERATOR

1290 Ridder Park Dr, San Jose

SANTA CLARA COUNTY OFFICE OF EDUCATION

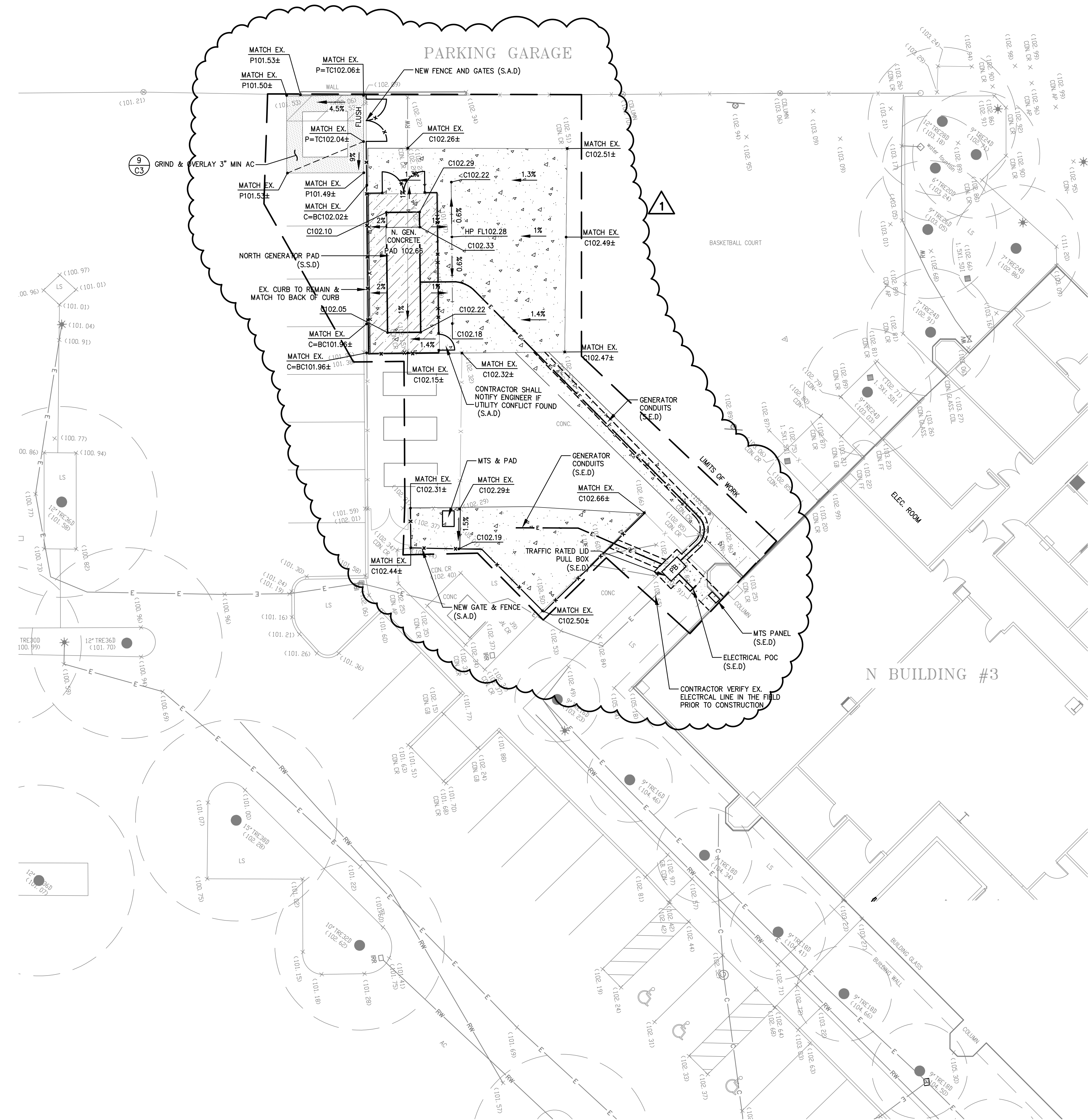
No.	Description	Date
	BUILDING SUBMITTAL	07/11/22
1	GENERATOR REVISIONS	01/26/23

Drawing Title

## ENLARGED PLAN N BUILDING GRADING AND UTILITY PLAN

Architect Seal

File No.	Drawing No.
Application No.	C2
Date	
Project Number	
PW Project #	

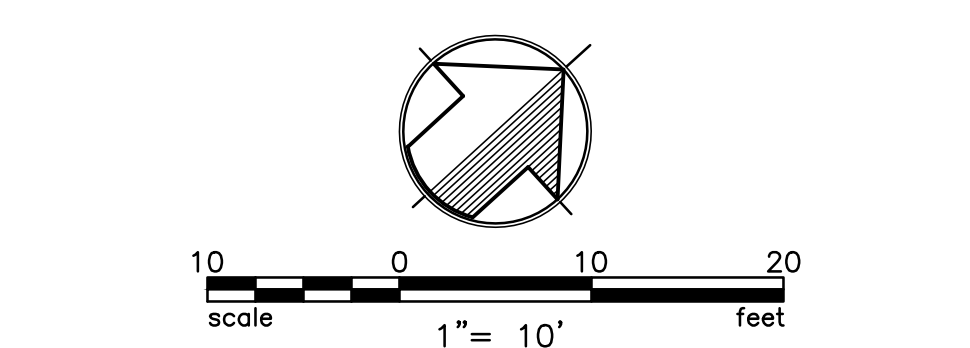


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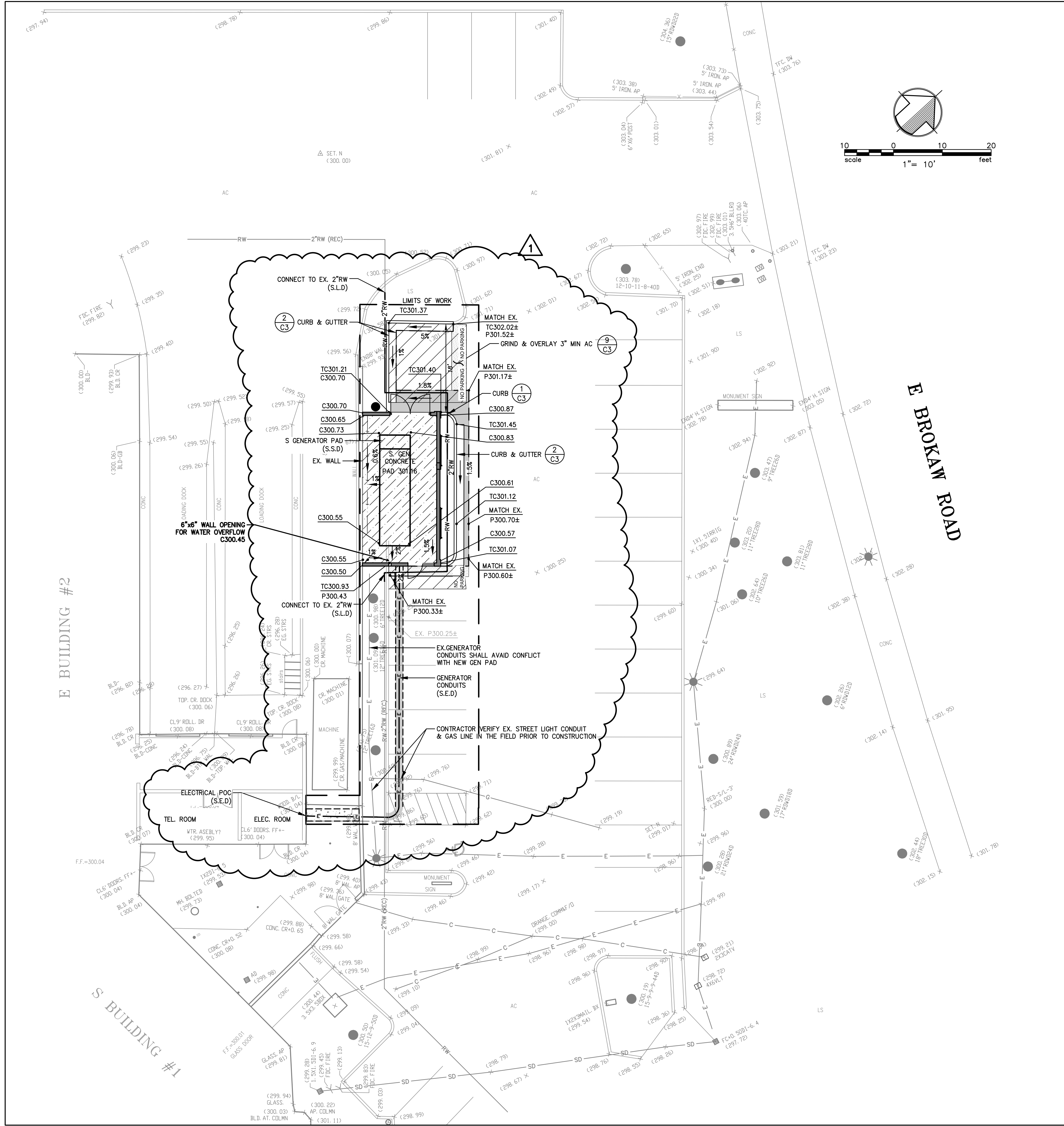
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SEE SHEET C0 FOR NOTES AND LEGEND

THIS PROJECT WILL NOT CREATE AND/OR REPLACE 5,000 S.F. OF IMPERVIOUS SURFACE AND IS THEREFORE NOT A REGULATED PROJECT AND DOES NOT REQUIRE LOW IMPACT DEVELOPMENT TREATMENT MEASURES.



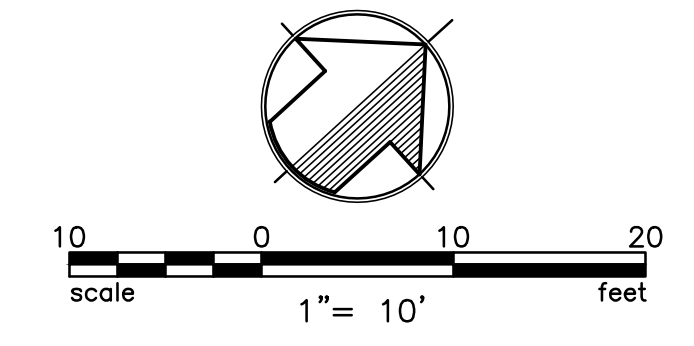


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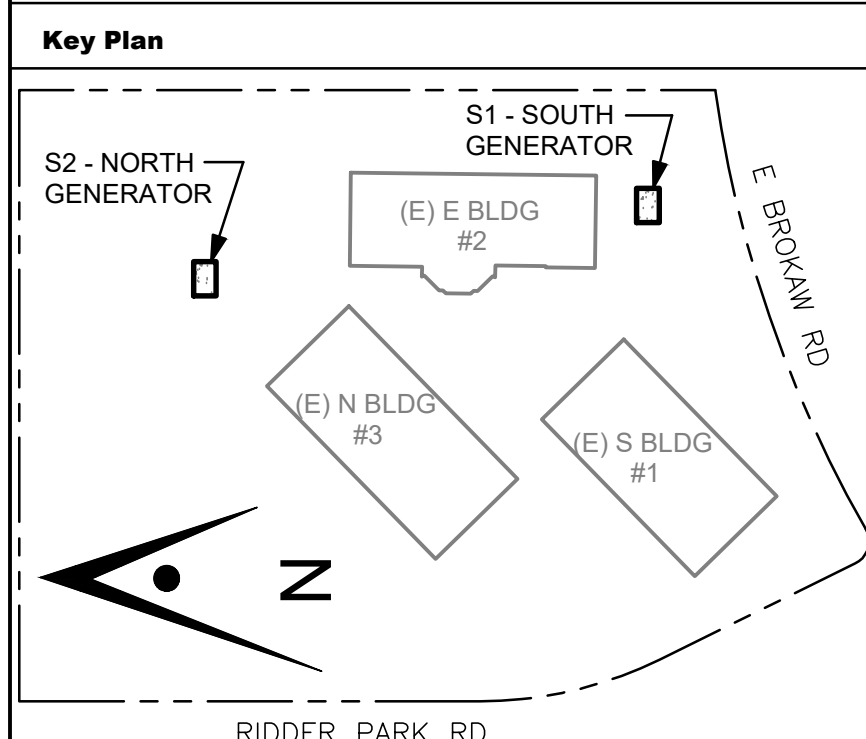
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**Drawing Title**

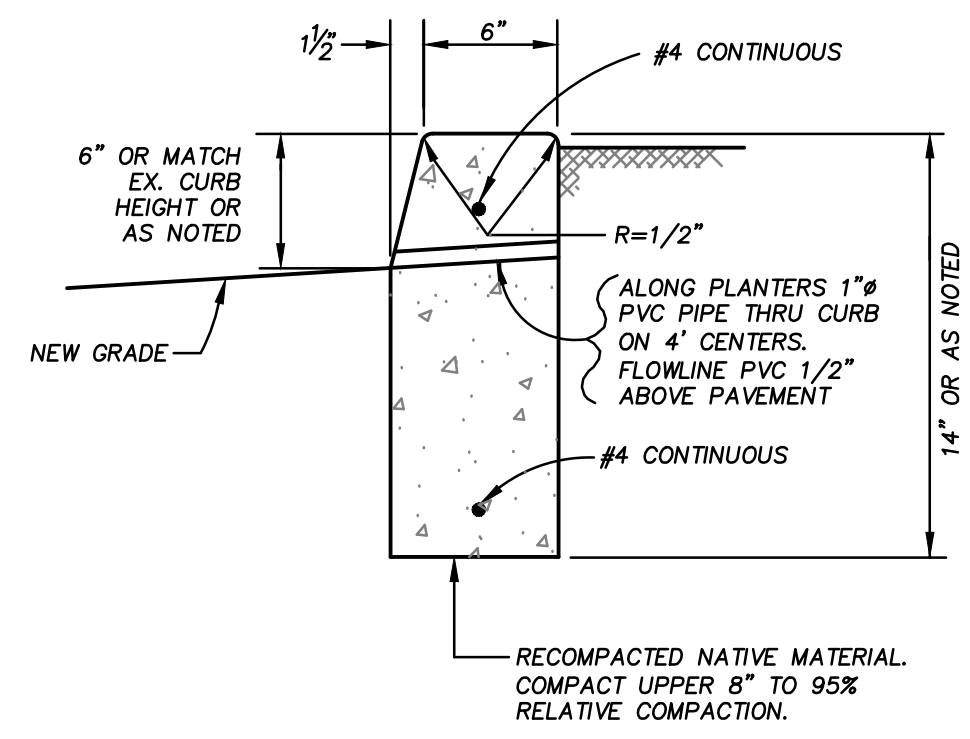
**ENLARGED PLAN  
S BUILDING  
GRADING AND  
UTILITY PLAN**

**Architect Seal**

<b>File No.</b>		<b>Drawing No.</b>	<b>C2.1</b>
<b>Application No.</b>			
<b>Date</b>	06-24-2022		
<b>Project Number</b>	J22071		
<b>PW Project #</b>			

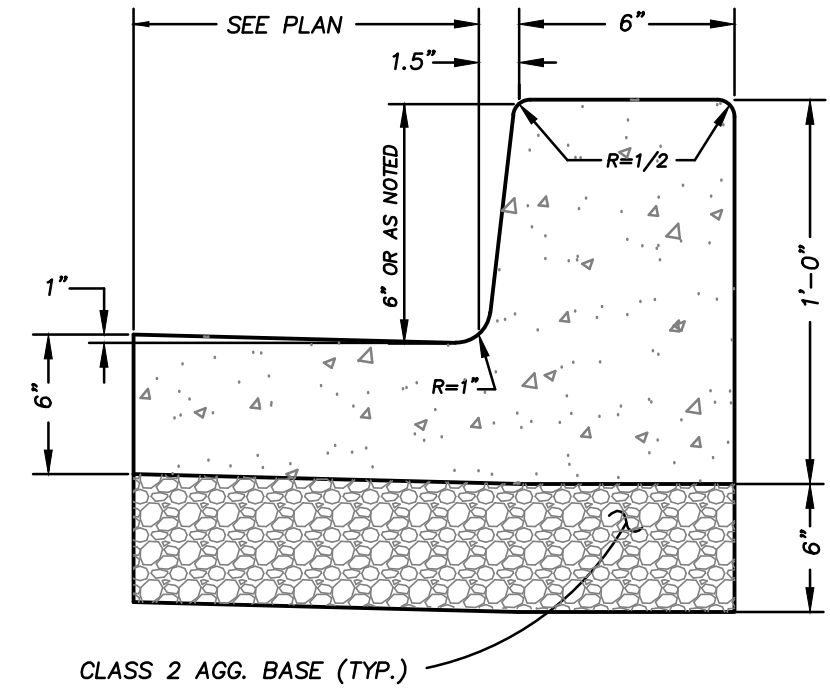
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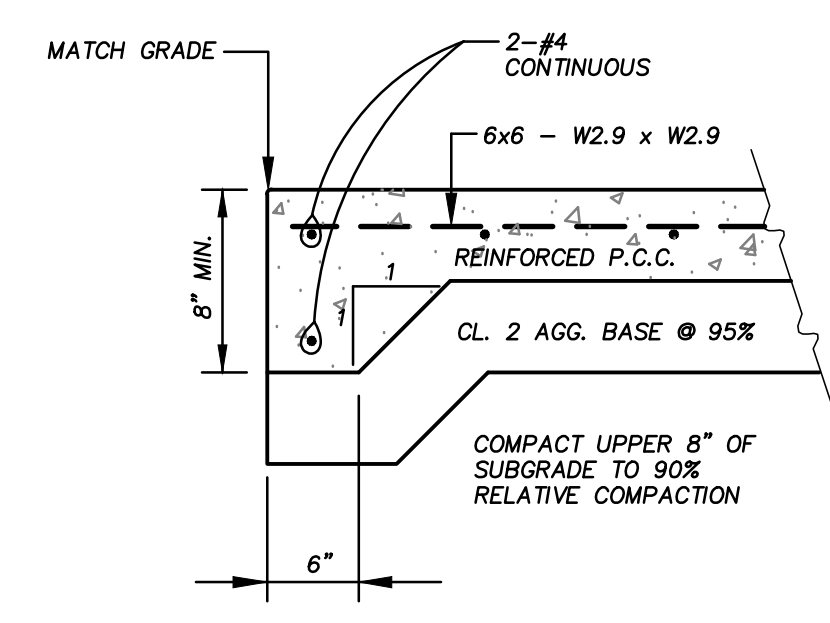
VERTICAL CURB

1



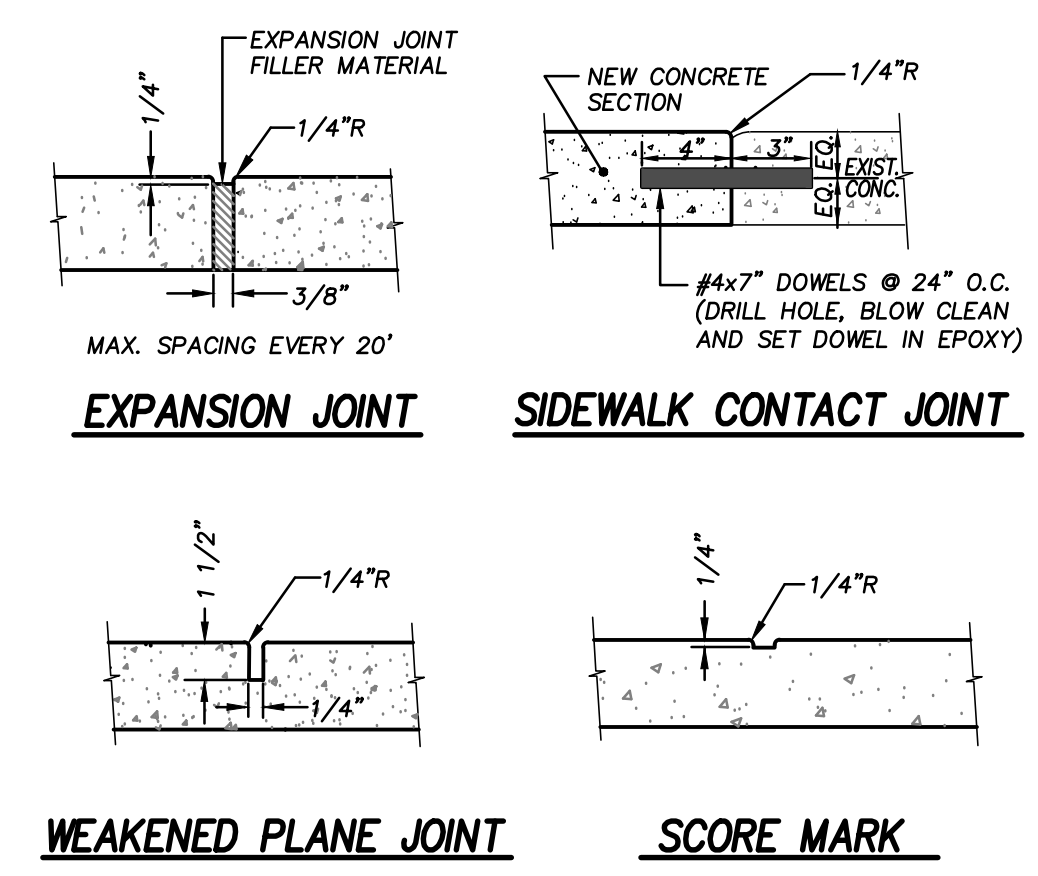
CURB & GUTTER

2



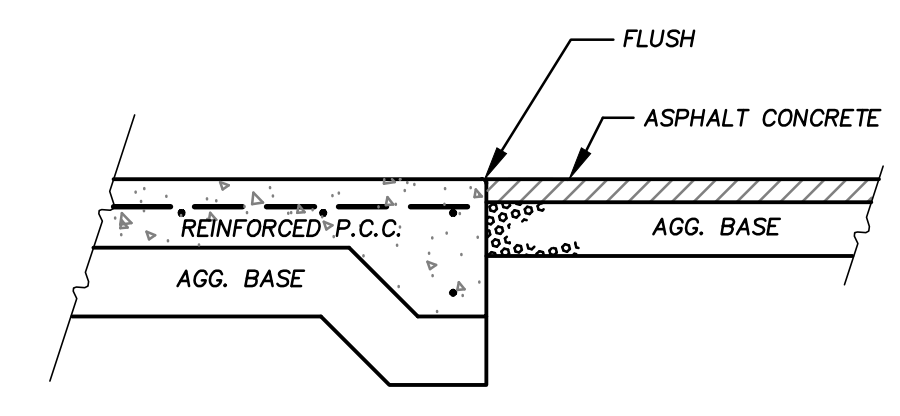
CONCRETE EDGE

3



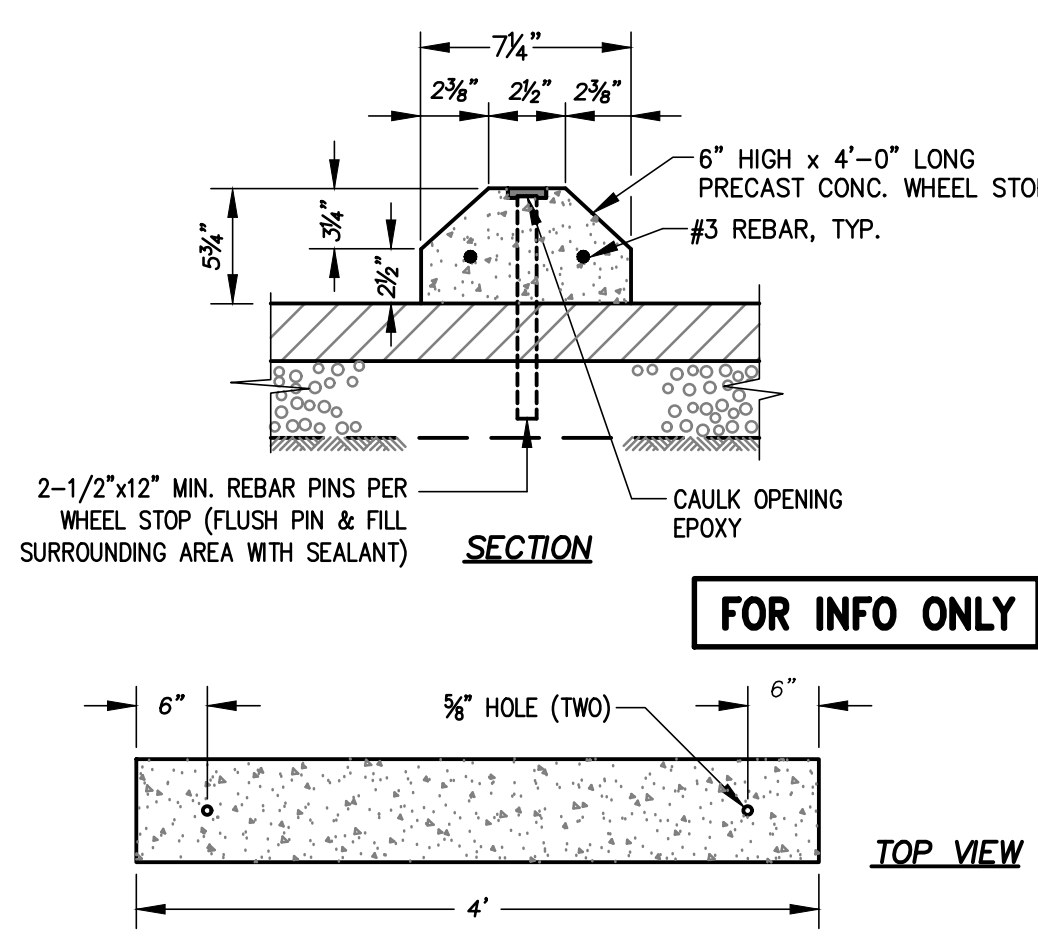
JOINTS

4



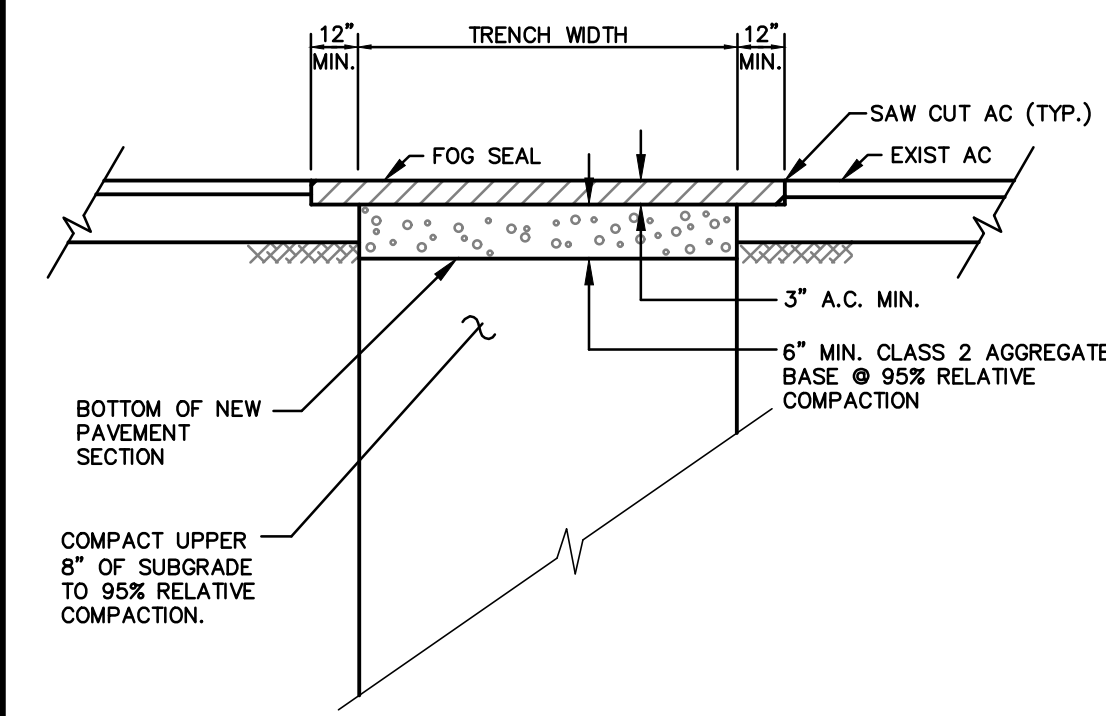
CONCRETE TO ASPHALT TRANSITION

5



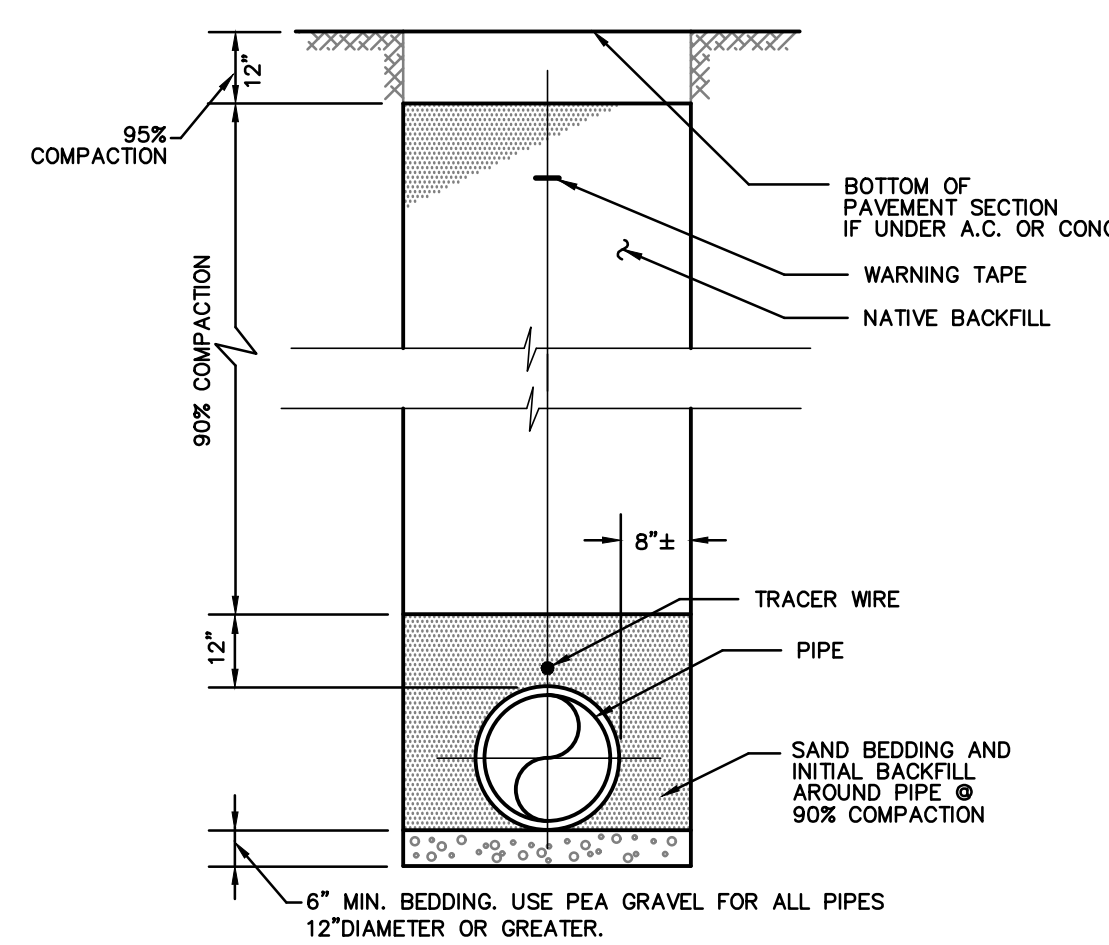
WHEEL STOP

6



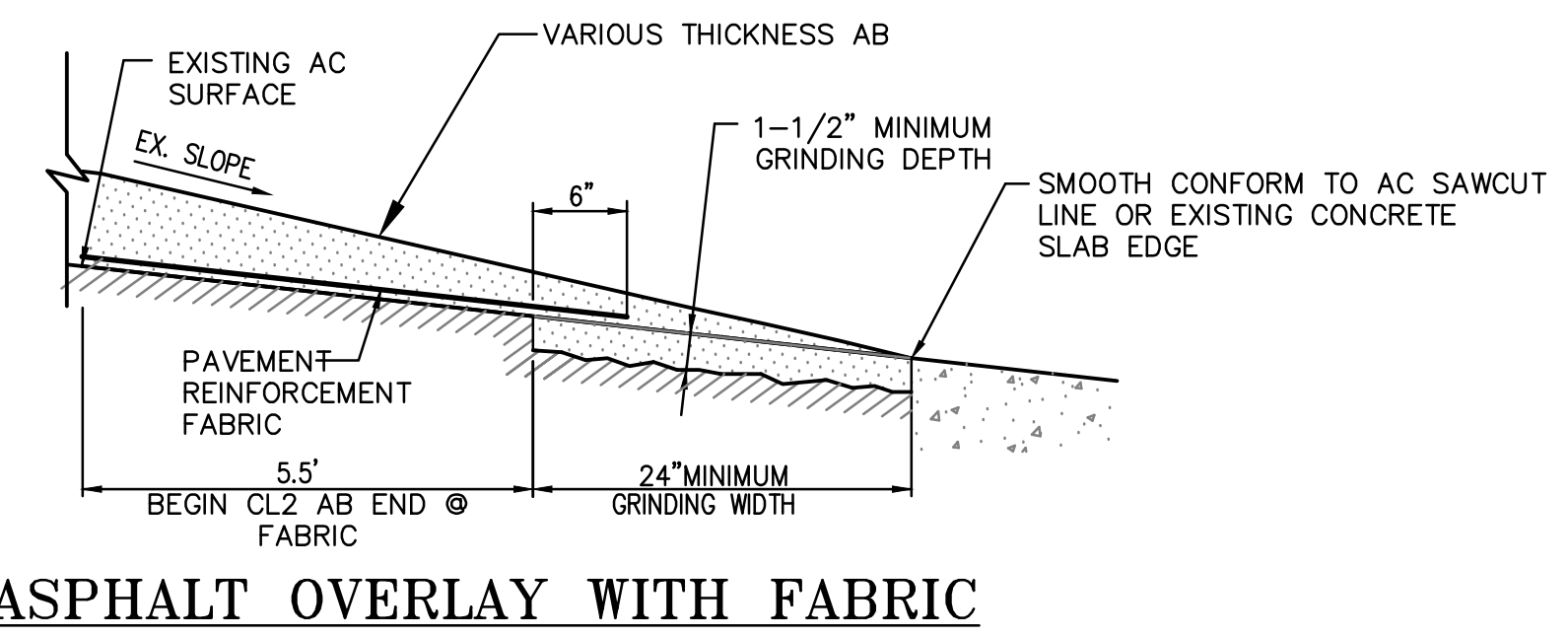
AC SURFACE TRENCH REPAIR

7



TRENCH BACKFILL DETAIL

8

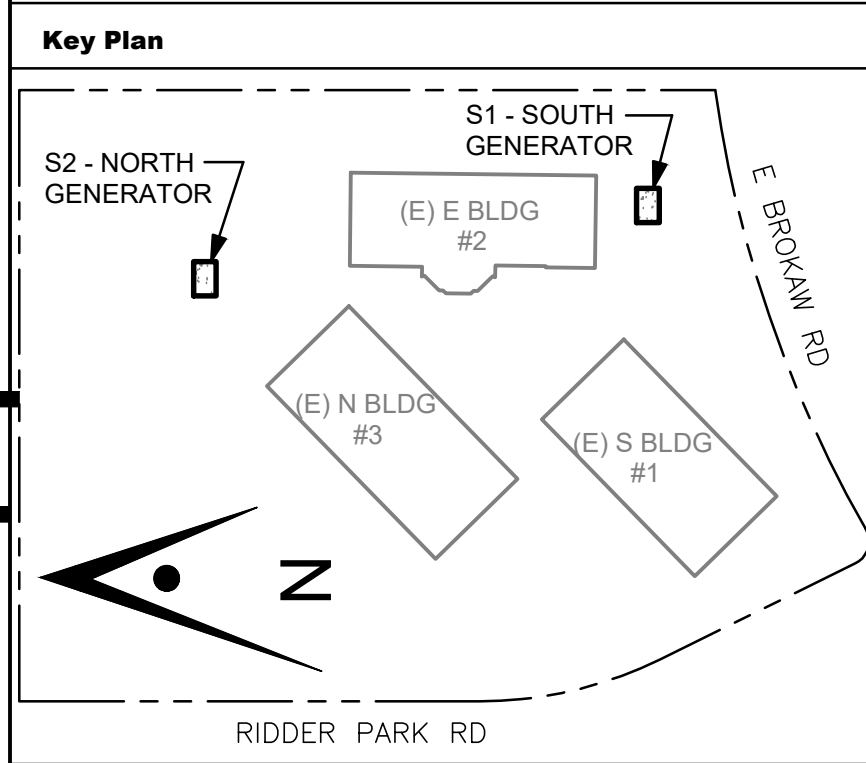


AC OVERLAY DETAIL

9

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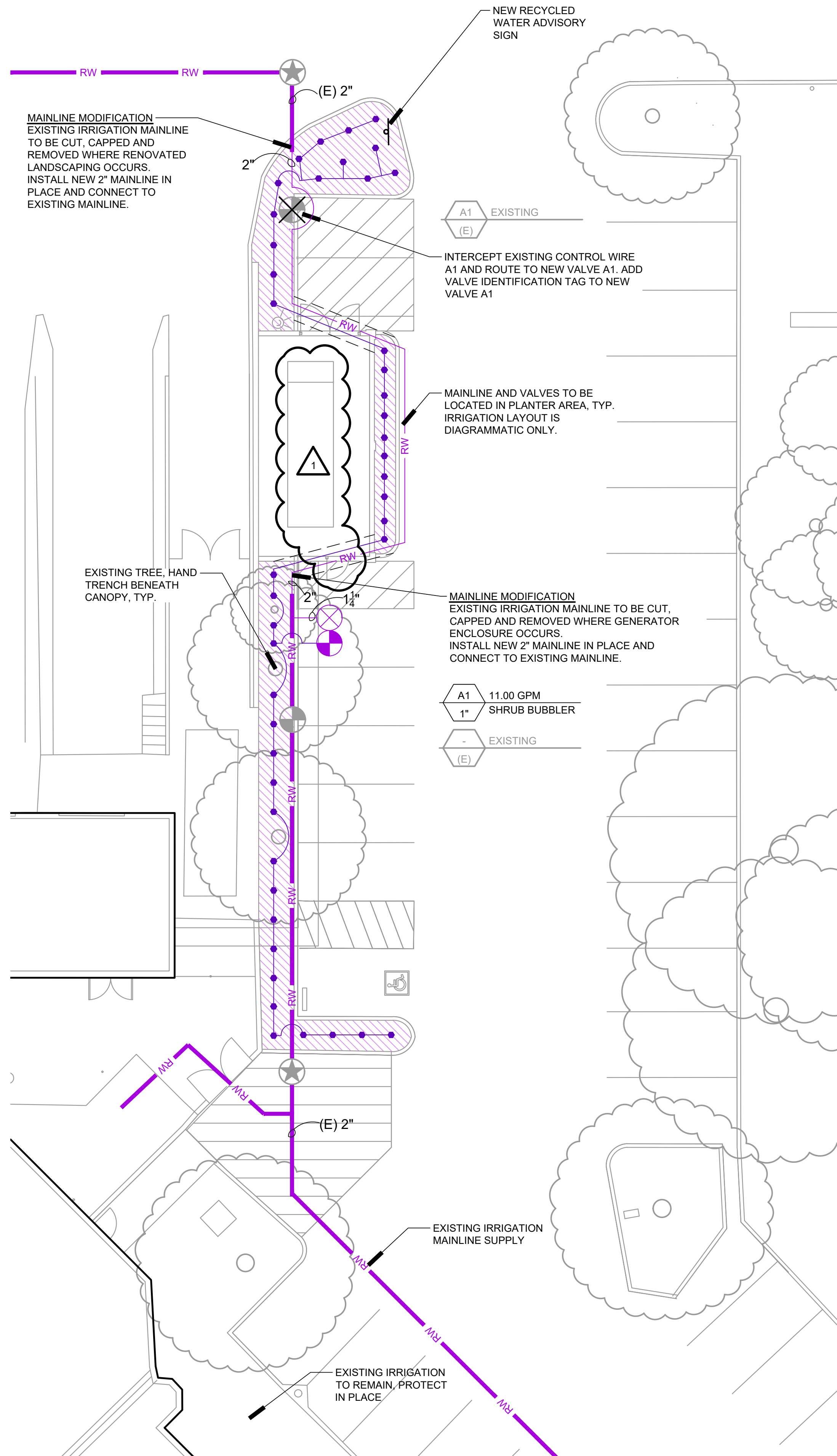
No.	Description	Date
	BUILDING SUBMITTAL	07/11/22

**Drawing Title**  
**DETAILS**

**Architect Seal**

<b>File No.</b>	<b>Drawing No.</b>
<b>Application No.</b>	<b>C3</b>
<b>Date</b> 06-24-2022	
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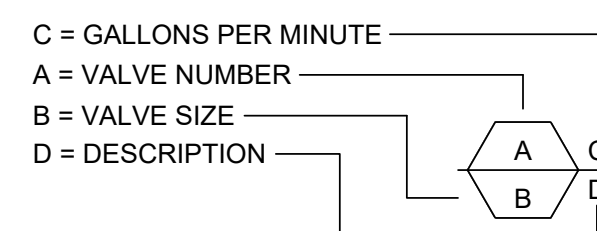


**IRRIGATION DEMOLITION NOTES:**

- CONTRACTOR SHALL EXECUTE IRRIGATION WORK EXPEDITIOUSLY TO MAINTAIN WATER SERVICE FOR EXISTING TO REMAIN IRRIGATION SYSTEMS LOCATED OUTSIDE OF PROJECT AREA AS REQUIRED TO MAINTAIN PLANT MATERIAL IN A HEALTHY CONDITION.
- CONTRACTOR SHALL SCHEDULE OR PHASE WORK AS APPROPRIATE WITH GENERAL CONTRACTOR'S OVER-ALL PROJECT SCHEDULING.
- IRRIGATION CONTRACTOR SHALL INCLUDE IN THEIR BID TO COORDINATE WITH GENERAL CONTRACTOR PRIOR TO DEMOLITION AND GRADING AND MAKE TEMPORARY AND PERMANENT CONNECTIONS AND / OR REPAIRS AS NECESSARY TO MAINTAIN IRRIGATION WATER SERVICE TO IRRIGATION SYSTEMS LOCATED OUTSIDE OF PROJECT AREA AFFECTED BY CONSTRUCTION. CONTRACTOR TO MAINTAIN WATER SUPPLY TO PLANTS AND TURF AT ALL TIMES OR SUPPLY WATER MANUALLY TO MAINTAIN PLANTS AND TURF IN HEALTHY CONDITION THROUGHOUT CONSTRUCTION. DAMAGE TO TURF DUE TO INSUFFICIENT WATER SHALL BE REPAIRED BY INSTALLING NEW SOD.
- CONTRACTOR SHALL NOTIFY AND COORDINATE WITH SITE LANDSCAPE SUPERVISOR IN ADVANCE OF PLANNED DISRUPTIONS OF IRRIGATION WATER SERVICE.

**LATERAL PIPE SIZE CHART, SCH 40 PVC**

GALLONS PER MINUTE	PIPE SIZE
0 - 7 GPM	3/4"
7.01 - 12 GPM	1"
12.01 - 22 GPM	1-1/4"
22.01 - 30 GPM	1-1/2"
30.01 - 50 GPM	2"
50.01 - 70 GPM	2-1/2"
70.01 - 110 GPM	3"



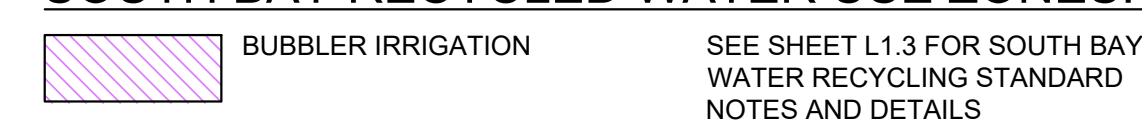
**IRRIGATION NOTES**

- THESE NOTES ARE FOR GENERAL REFERENCE IN CONJUNCTION WITH AND AS A SUPPLEMENT TO THE WRITTEN SPECIFICATIONS, DETAILS, ADDENDA AND CHANGE ORDERS ASSOCIATED WITH THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATION OF EXISTING AND PROPOSED UNDERGROUND SERVICES. CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 642-2444 PRIOR TO BEGINNING WORK. CONTACT OWNER'S REPRESENTATIVE SHOULD ANY CONFLICTS ARISE.
- THE IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND REGULATIONS. CONTRACTOR TO CONFORM TO THE REQUIREMENTS OF NFPA 24, SECTION 8.1, MINIMUM 'DEPTH-OF-COVER' (36 INCHES) FOR PIPE TO INCLUDE FIRE LANE ROUTES OF ACCESS.
- THIS SYSTEM IS DESIGNED TO OPERATE AT 60 PSI AND 11.00 GPM FROM THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY PRESSURE AND FLOW PRIOR TO BEGINNING OF WORK. CONTACT OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD CONFLICTS ARISE.
- THE IRRIGATION SYSTEM DESIGN IS DIAGRAMMATIC. WHERE PIPING, VALVES, ETC. ARE SHOWN OUTSIDE OF PLANTING AREAS, THE INTENT IS FOR PIPING, VALVES, ETC. TO BE INSTALLED WITHIN PLANTING AREAS UNLESS OTHERWISE NOTED AND DETAILED.
- CONTRACTOR SHALL COORDINATE IRRIGATION INSTALLATION WITH OTHER TRADES. CONTRACTOR TO COORDINATE AND VERIFY ALL SLEEVING, PIPING, ELECTRICAL SUPPLY, POINT OF CONNECTION, ETC.
- CONTRACTOR IS RESPONSIBLE FOR COMPLETE AND UNIFORM COVERAGE OF PLANTING AND TURF AREAS. CONTRACTOR TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN OPTIMUM OPERATING PRESSURE FOR EACH CIRCUIT. ADJUST SPRAY HEADS AND NOZZLES FOR OPTIMUM COVERAGE WHILE PREVENTING OVERSPRAY ONTO WALKWAYS AND STRUCTURES. ADDITIONALLY, CONTRACTOR SHALL ADJUST ALL VALVES, NOZZLES, AND HEADS FOR OPTIMUM COVERAGE, AVOIDING MISTING, OVERSPRAY, OR UNDERSPRAY.
- LATERAL LINES TO BE SIZED PER PIPE SIZING CHART.
- CONTRACTOR TO MAINTAIN AS-BUILT DRAWING SET TO BE AVAILABLE ON SITE AT ALL TIMES AND AT TIME OF SUBSTANTIAL COMPLETION REVIEW. CONTRACTOR SHALL PREPARE REDUCED, COLOR-CODED PLANS, LAMINATE, AND PLACE (1) IN CONTROLLER ENCLOSURE AND DELIVER (1) TO OWNER'S REPRESENTATIVE AFTER APPROVAL OF RECORD DRAWING SUBMITTAL AND PRIOR TO FINAL COMPLETION.
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN TRENCHING AROUND EXISTING TREES AND SHRUBS. CONTRACTOR SHALL HAND TRENCH WHEN TRENCHING ACROSS ROOTS 2" AND LARGER TO PRESERVE ROOT SYSTEM. ROOTS SMALLER THAN 2" MAY BE TRIMMED. DO NOT TEAR ANY ROOTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING OR REPLACING, AT THEIR OWN EXPENSE, ANY STRUCTURES, FENCES, WALLS, PLANT MATERIAL OR TREES DAMAGED OR DESTROYED, BOTH ON THIS PROPERTY OR THOSE PROPERTIES ADJACENT TO THIS SITE. THE DAMAGED ITEM(S) WILL BE RESTORED TO THEIR ORIGINAL CONDITION OR REPLACED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- EXISTING IRRIGATION CONTROLLER IS LOCATED ON THE EAST SIDE OF BUILDING IN UTILITY YARD.
- REFER TO SPECIFICATIONS SECTION AND IRRIGATIONS DETAILS ON SHEETS L1.2 AND L1.3.  
015639 TEMPORARY TREE AND PLANT PROTECTION  
328400 PLANTING IRRIGATION

**IRRIGATION LEGEND**

SYM	MODEL	MANUF.	DESCRIPTION	GPM	PSI	RAD
	-	-	RECYCLED WATER ADVISORY SIGN, DETAIL RW-36, L3.3	0.25	30	-
<b>BUBBLERS</b>						
	1401	RAINBIRD	FLOOD BUBBLER - ONE PER SHRUB, PER DETAIL	0.25	30	-
<b>VALVES</b>						
	-	-	EXISTING REMOTE CONTROL VALVE TO REMAIN			
	-	-	EXISTING REMOTE CONTROL VALVE TO BE REMOVED			
	-	-	EXISTING QUICK COUPLING VALVE			
	-	AQUA	1/4"-2" BRONZE BODY BALL VALVE, LINE SIZE			
	PESBR-PRS-D	RAINBIRD	ELECTRIC PRESSURE COMPENSATING REMOTE CONTROL VALVE, SIZE PER PLAN. AN ASTERISK (*) DENOTES TO INSTALL A "Y" FILTER UPSTREAM OF THE VALVE FOR FLOWS LESS THAN 5.0 GPM.			
<b>PIPING</b>						
	RW	RW	EXISTING IRRIGATION MAINLINE TO REMAIN, CONTRACTOR TO FIELD-VERIFY SIZE AND LOCATION			
	RW	RW	SCH 40 (UP TO 1-1/2") CLASS 315 (2" TO 4") PVC PRESSURIZED MAINLINE, PURPLE COLOR, NSF APPROVED, SIZE PER PLAN, DEPTH TO BE 24" IN PLANTING AREAS AND 36" BELOW PAVED AREAS.			
	RW	RW	SCHEDULE 40 PVC NON-PRESSURIZED LATERAL LINE, PURPLE COLOR, DEPTH TO BE 18". NSF APPROVED, SIZE PER CHART			
	-	-	SCH 40 PVC SLEEVES, (2) IN EACH LOCATION, SIZE AS REQUIRED, 3" MIN. IN SIZE, 36" MINIMUM DEPTH			

**SOUTH BAY RECYCLED WATER USE ZONES:**



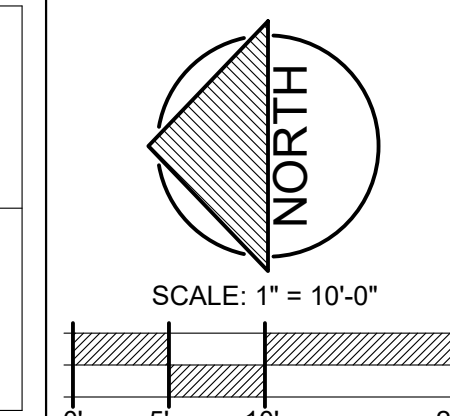
DDW ACCEPTANCE SIGNATURES FOR SBWR PROJECT ID SWC0159AP--

FOR APPROVAL:

DATE: \_\_\_\_\_

SBWR - SOUTH BAY WATER RECYCLING

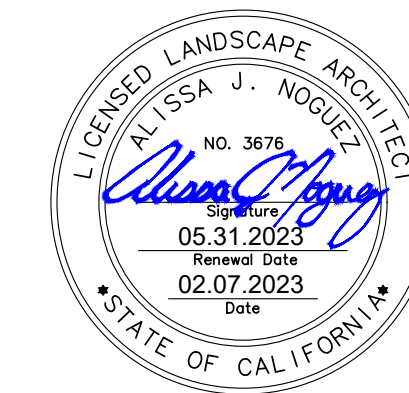
DATE: \_\_\_\_\_



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Key Plan

Project Title

**SCCOE BACKUP GENERATOR**

1290 Ridder Park Dr, San Jose

**SANTA CLARA COUNTY OFFICE OF EDUCATION**

No.	Description	Date
1	BUILDING SUBMITTAL	07/11/2022
	BUILDING RE-SUBMITTAL	02/07/2023

Drawing Title

**IRRIGATION PLAN**

Architect Seal

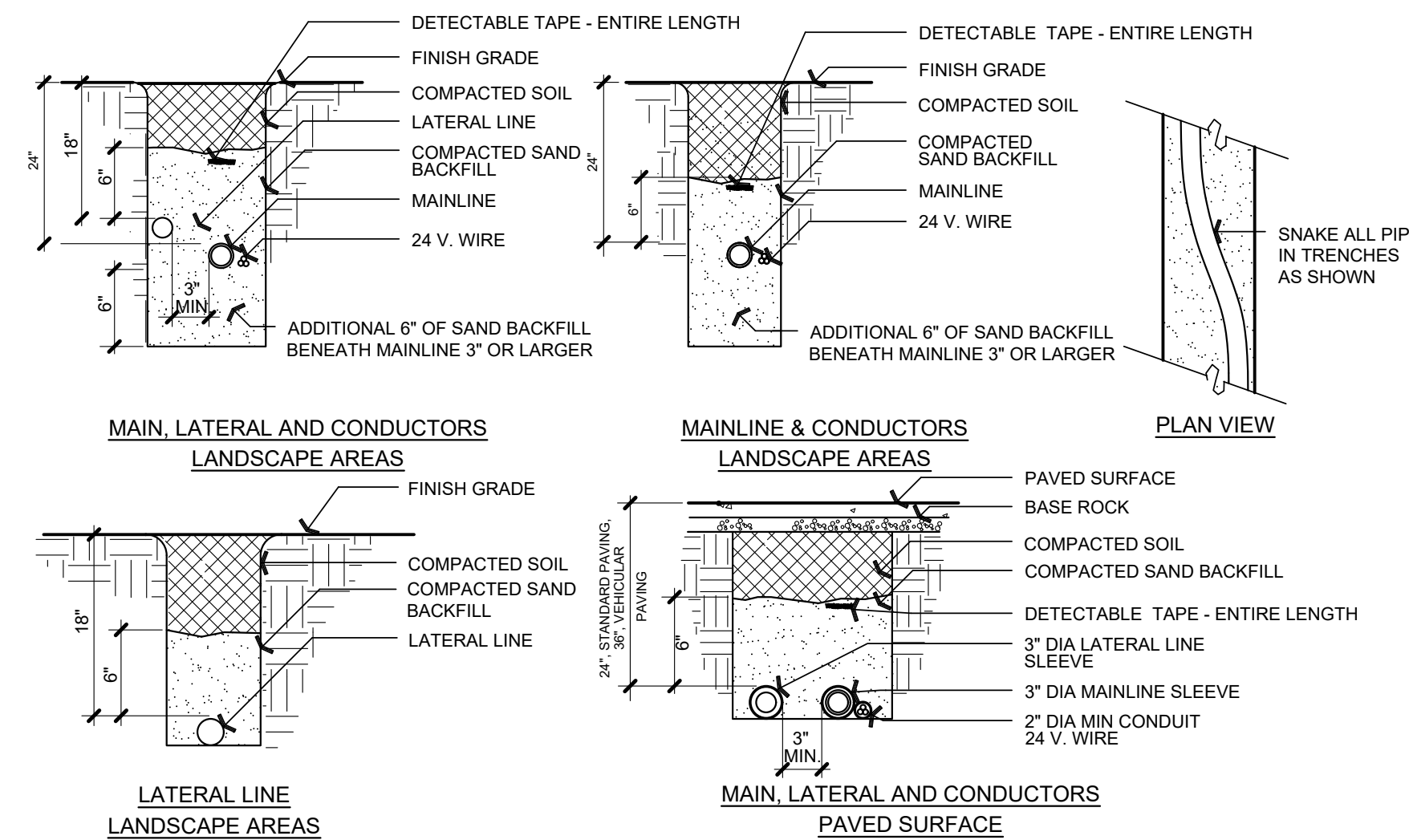
File Number	-	Drawing No	<b>L1.1</b>
Application Number	-		
Date	02.07.2023		
Project No	06401	ANLA: 2210	



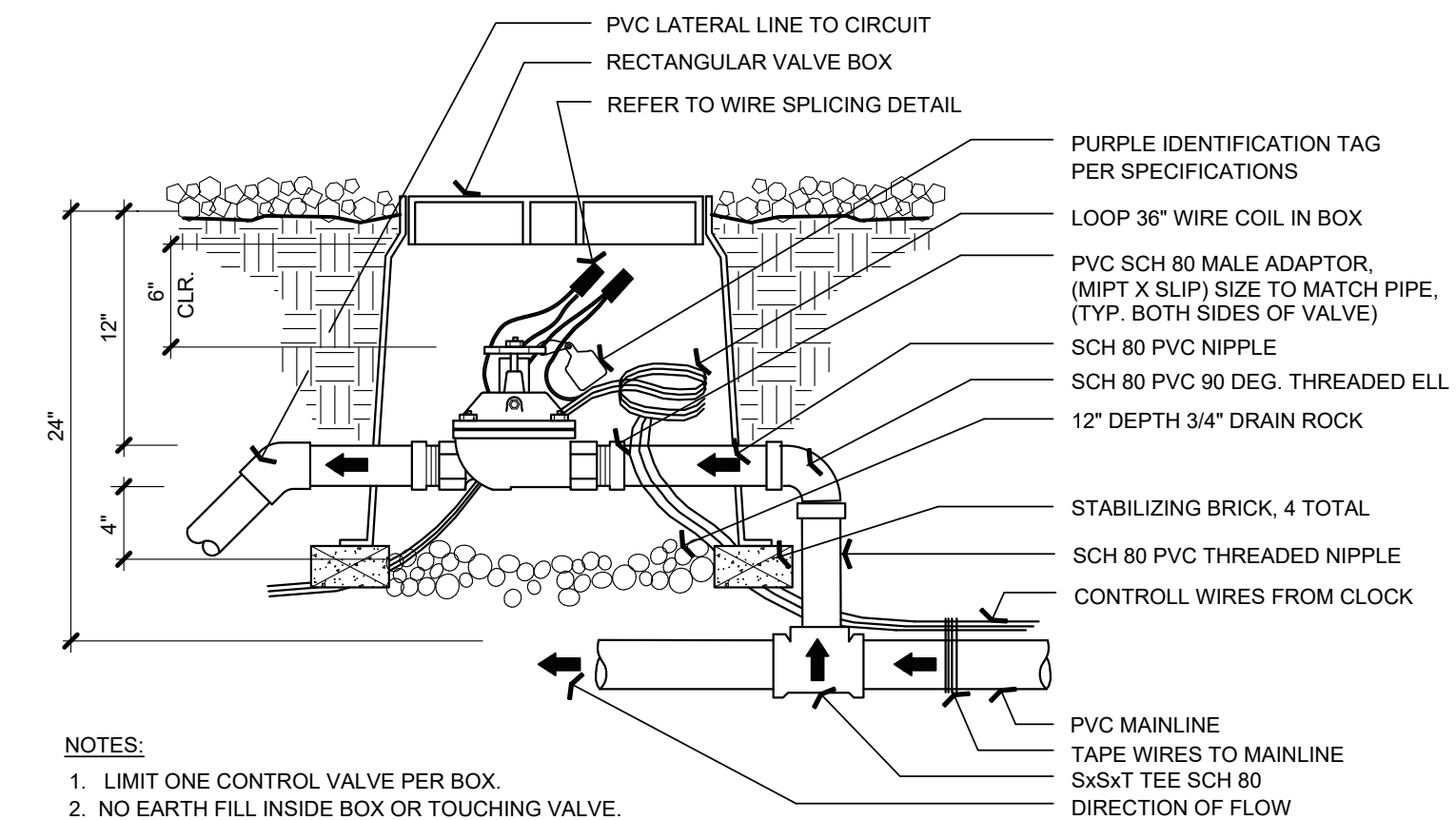
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- NOTES:
1. TAPE AND BUNDLE CONTROL WIRES AT 10 FOOT INTERVALS.
  2. LAY IRRIGATION SUPPLY LINE ON NATIVE SOIL BED. BACKFILL WITH SAND. COMPACT SAND BY FLOODING.
  3. PROVIDE SLEEVES FOR ALL LINES AND WIRES BENEATH PAVING.



- NOTES:
1. LIMIT ONE CONTROL VALVE PER BOX.
  2. NO EARTH FILL INSIDE BOX OR TOUCHING VALVE.
  3. USE TEFLON PASTE PIPE THREAD SEALANT ON THREADED CONNECTIONS.
  4. EACH CONTROL VALVE TO HAVE MANUAL BLEED AND FLOW CONTROL.
  5. ADJUST EACH CONTROL VALVE TO OPTIMUM FLOW AS REQUIRED BY THE HEADS.

H

E

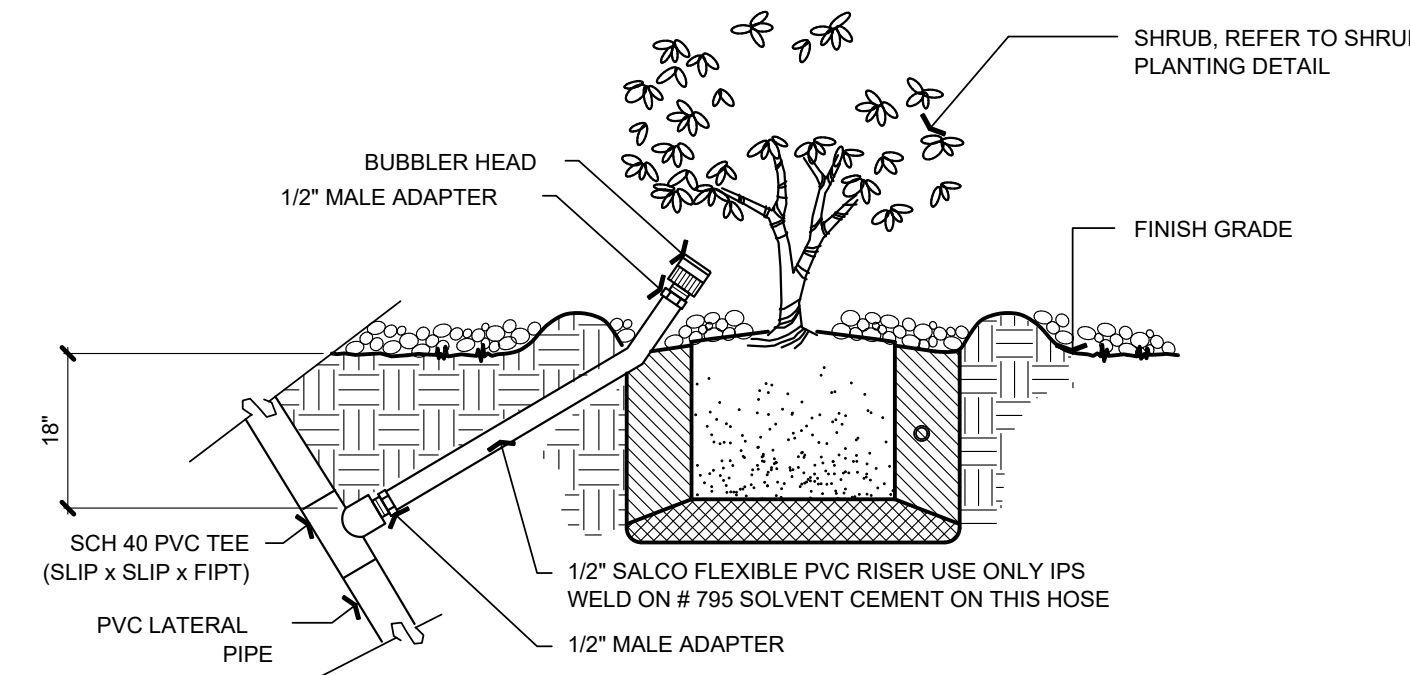
TRENCHING

SCALE: NTS

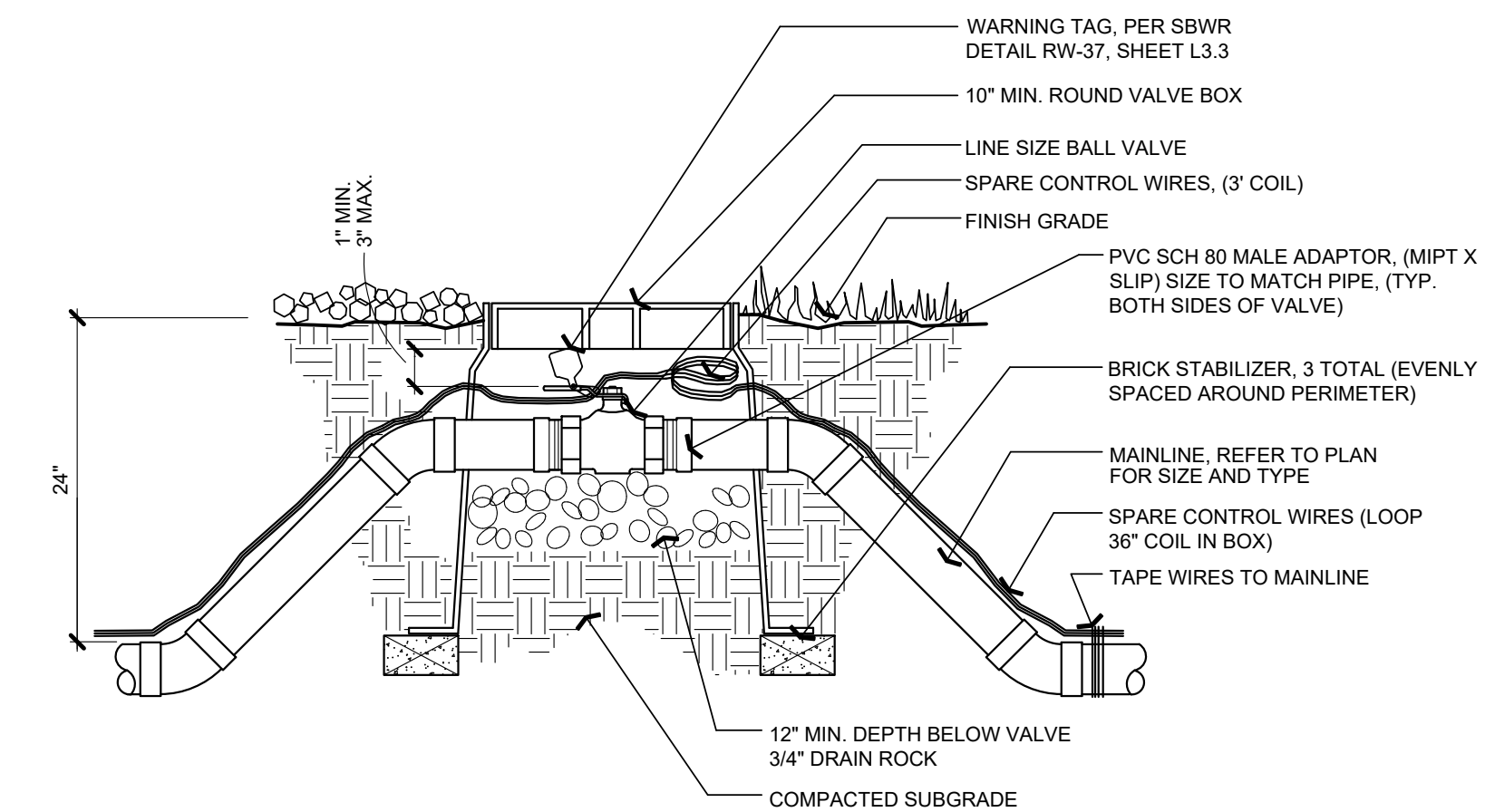
B

REMOTE CONTROL VALVE

SCALE: NTS



- NOTES:
1. FLEXIBLE TUBING NOT TO EXTEND MORE THAN 1-1/2\"/>



- NOTES:
1. VALVE BOX SHALL BE SIZED AND INSTALLED TO ALLOW FREE MOVEMENT OF BALL VALVE HANDLE. DO NOT CUT VALVE HANDLE.
  2. CONTRACTOR SHALL RUN SPECIFIED QUANTITY OF SPARE CONTROL WIRES THROUGH EACH BALL VALVE BOX AND COIL 3' LOOP FOR FUTURE USE.

G

D

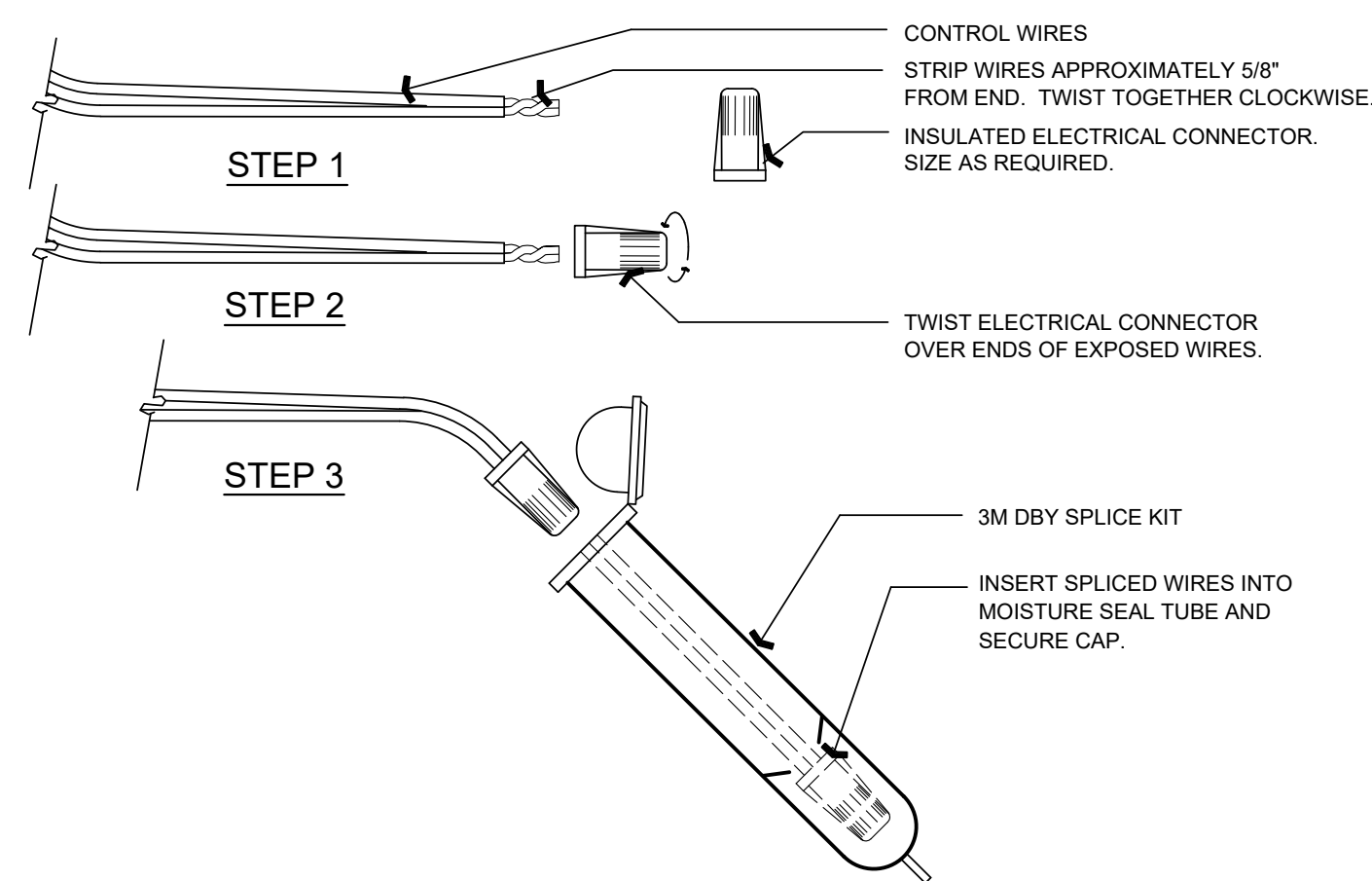
SHRUB BUBBLERS

SCALE: NTS

A

BALL VALVE

SCALE: NTS



F

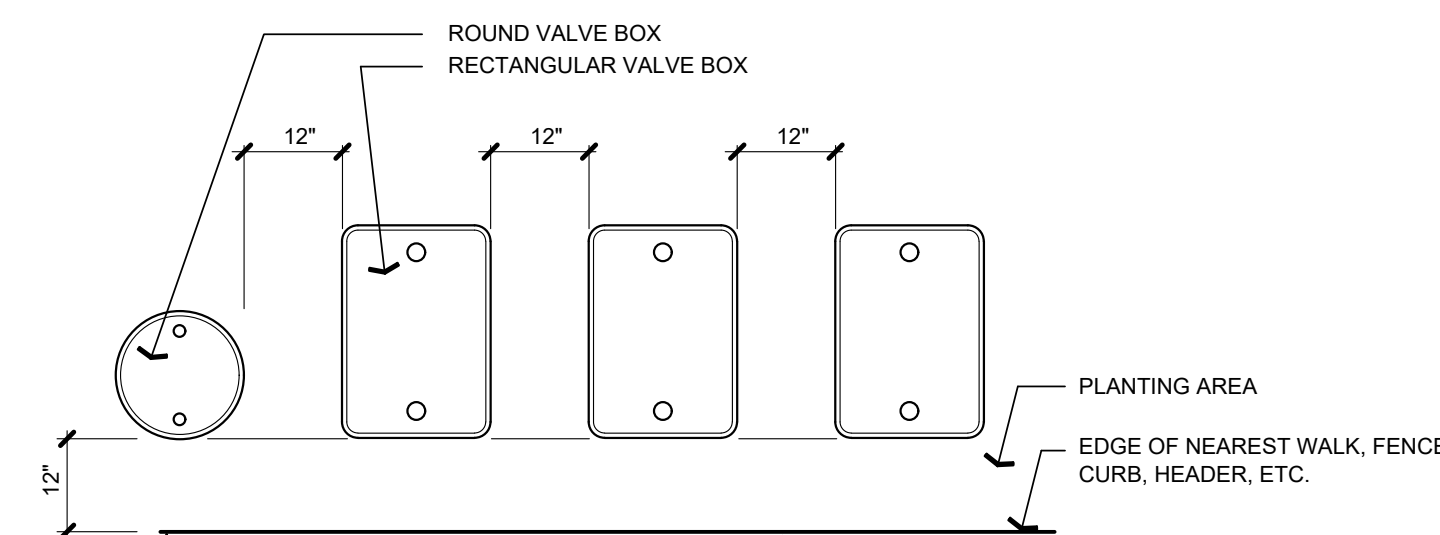
WIRE SPLICING

SCALE: NTS

C

VALVE BOX ALIGNMENT

SCALE: NTS



- NOTES:
1. SET BOXES PARALLEL AND PERPENDICULAR TO NEAREST EDGE AND EACH OTHER.
  2. CENTER BOXES OVER ENCLOSED VALVES.
  3. AVOID HEAVILY COMPACTING SOIL AROUND BOXES TO PREVENT DAMAGING BOX.
  4. VALVE BOXES IN PLANTING AREAS SHALL BE PURPLE.

DDW ACCEPTANCE SIGNATURES FOR SBWR PROJECT ID SWC0159AP--

FOR APPROVAL:	DATE:
_____	_____
SBWR - SOUTH BAY WATER RECYCLING	DATE:
_____	_____

Key Plan

Project Title

SCCOE BACKUP GENERATOR

1290 Ridder Park Dr, San Jose

SANTA CLARA COUNTY OFFICE OF EDUCATION

No.	Description	Date
1	BUILDING SUBMITTAL	07/11/2022
	BUILDING RE-SUBMITTAL	02/07/2023

Drawing Title

IRRIGATION DETAILS

Architect Seal

File Number	-	Drawing No	L1.2
Application Number	-		
Date	02.07.2023		
Project No	06401	ANLA: 2210	

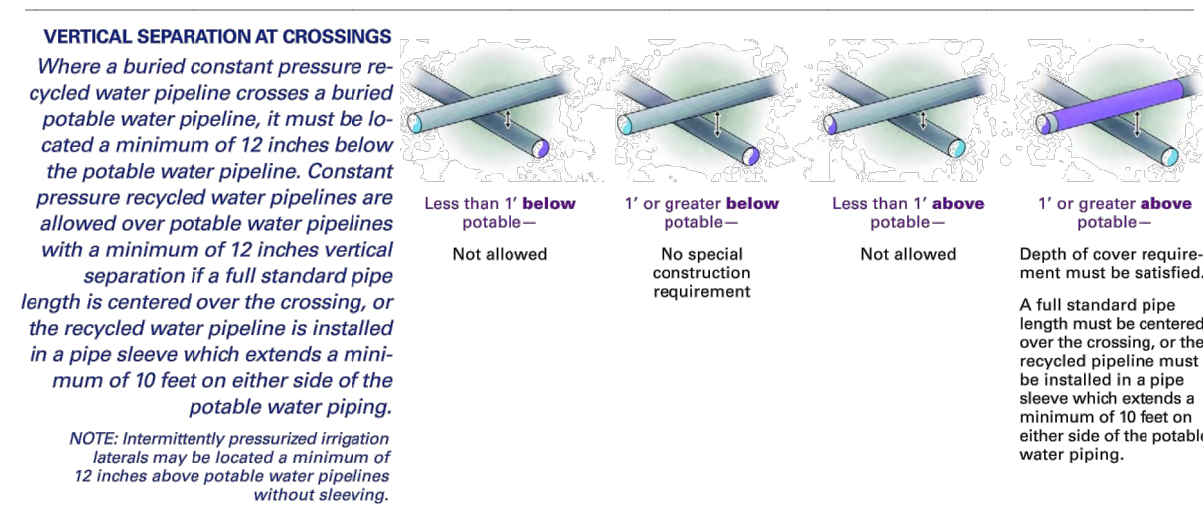
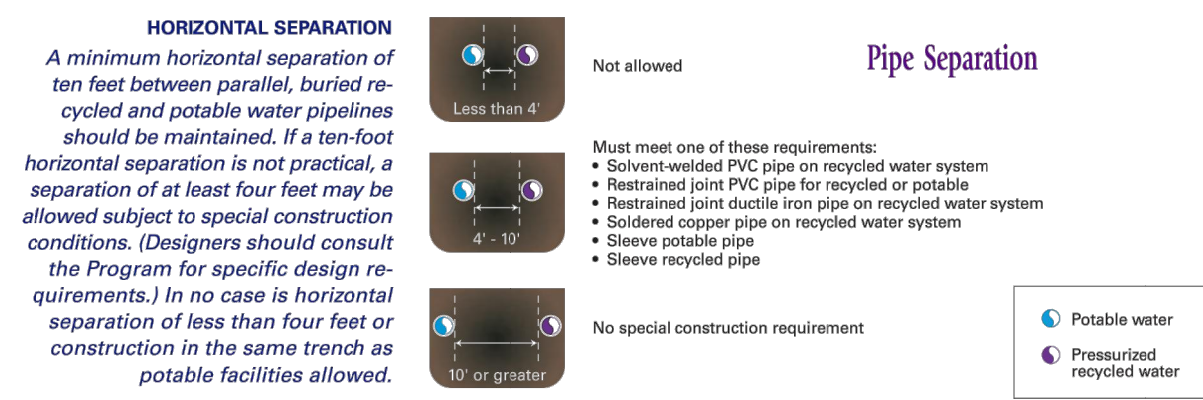
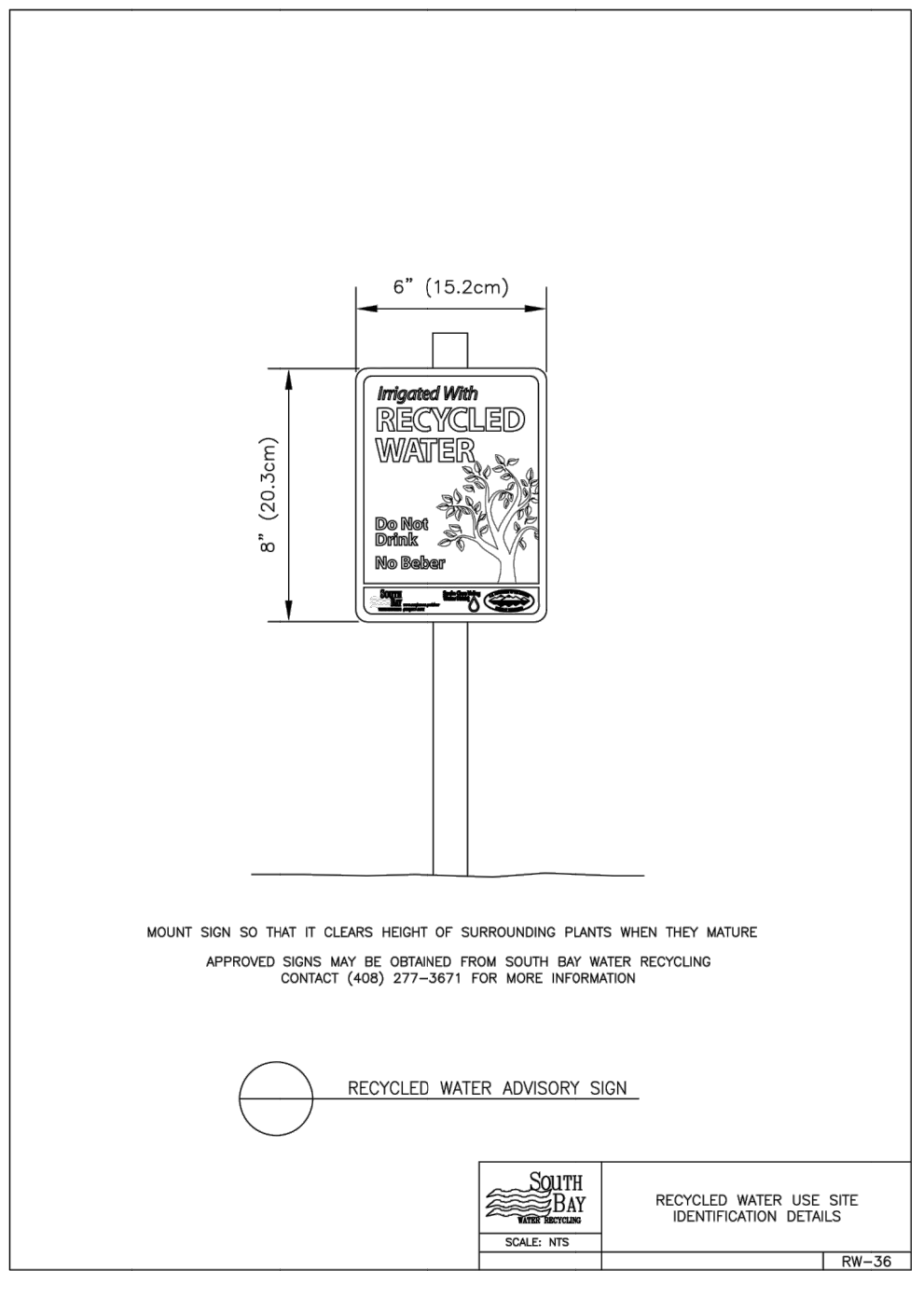
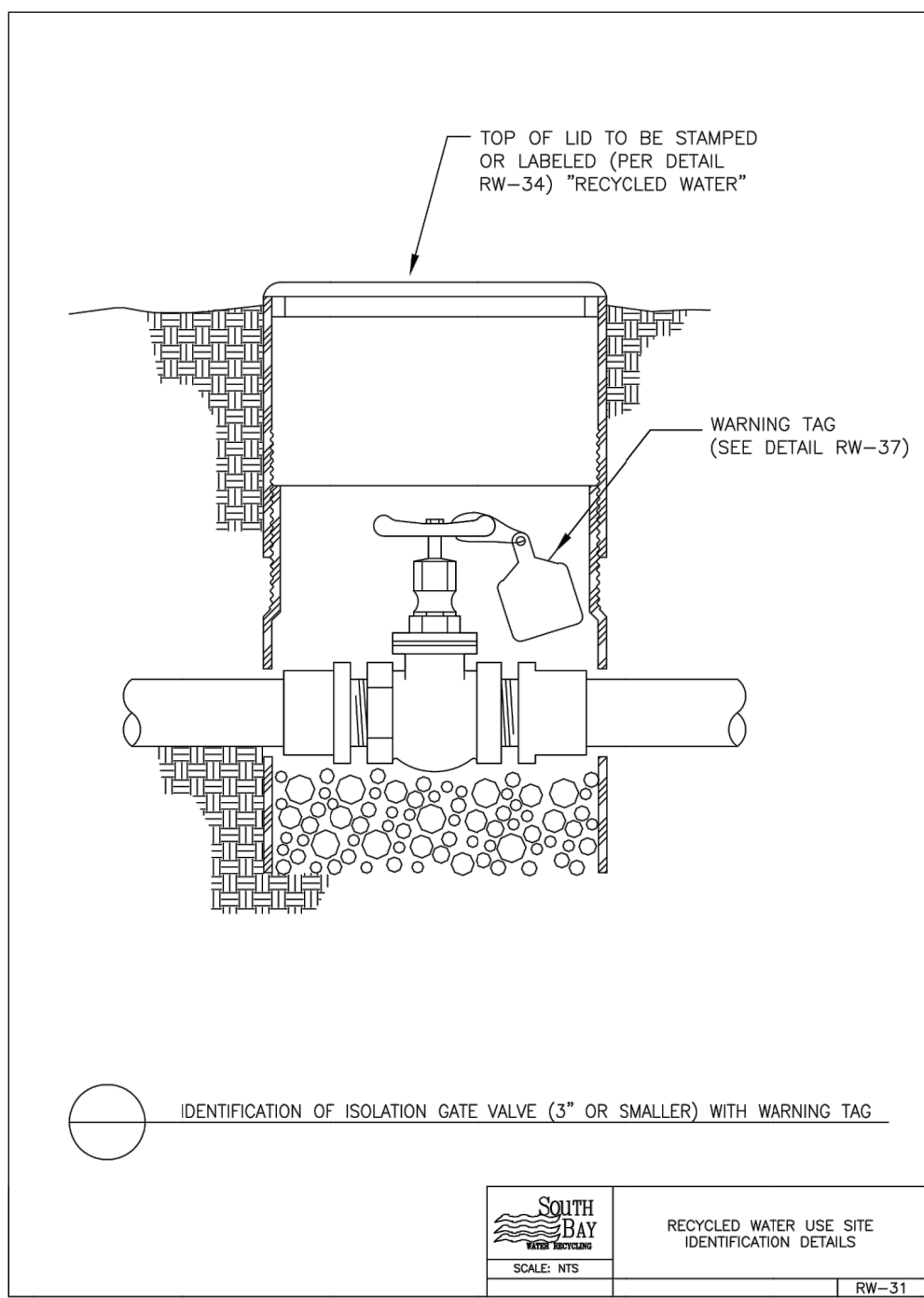
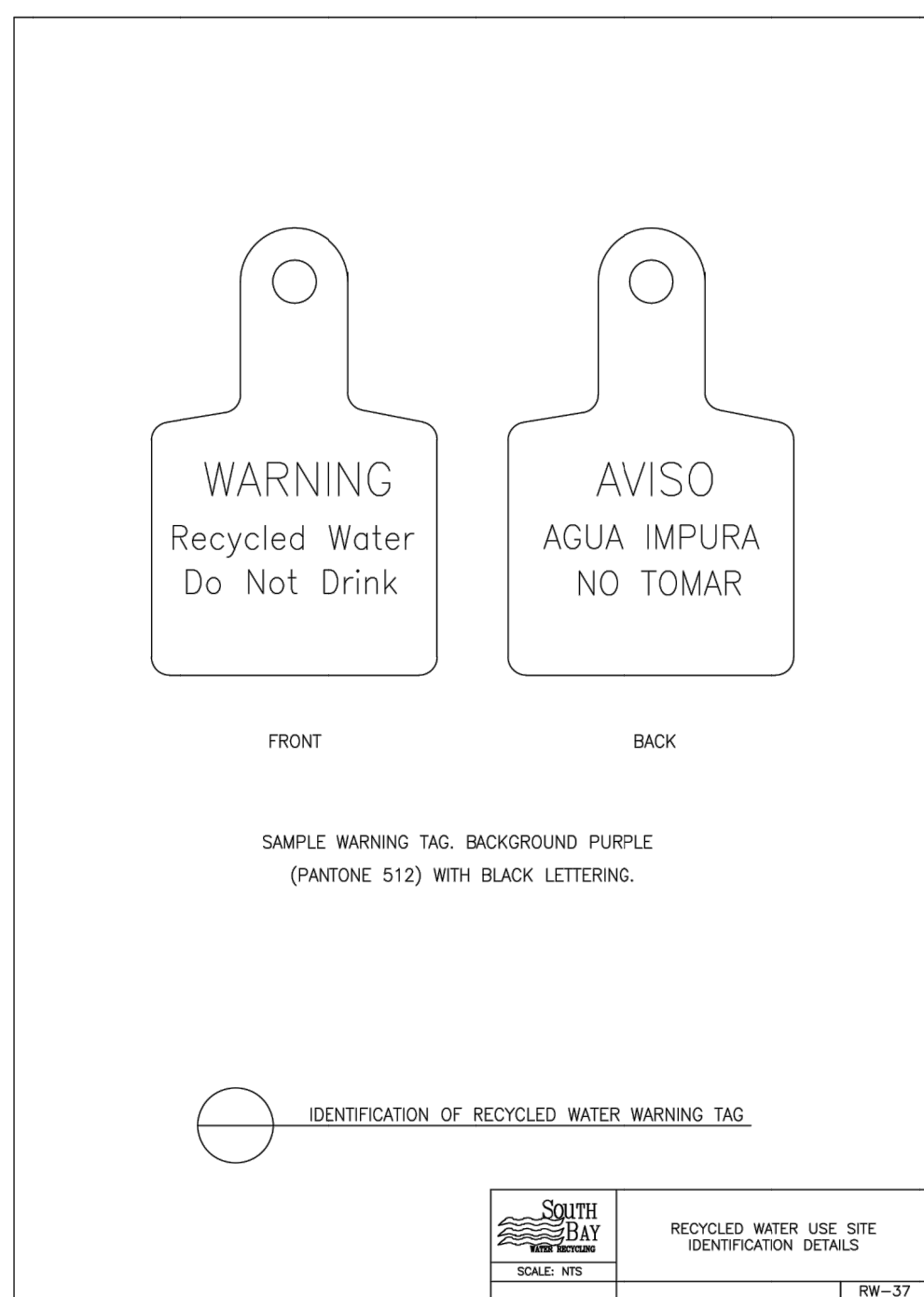
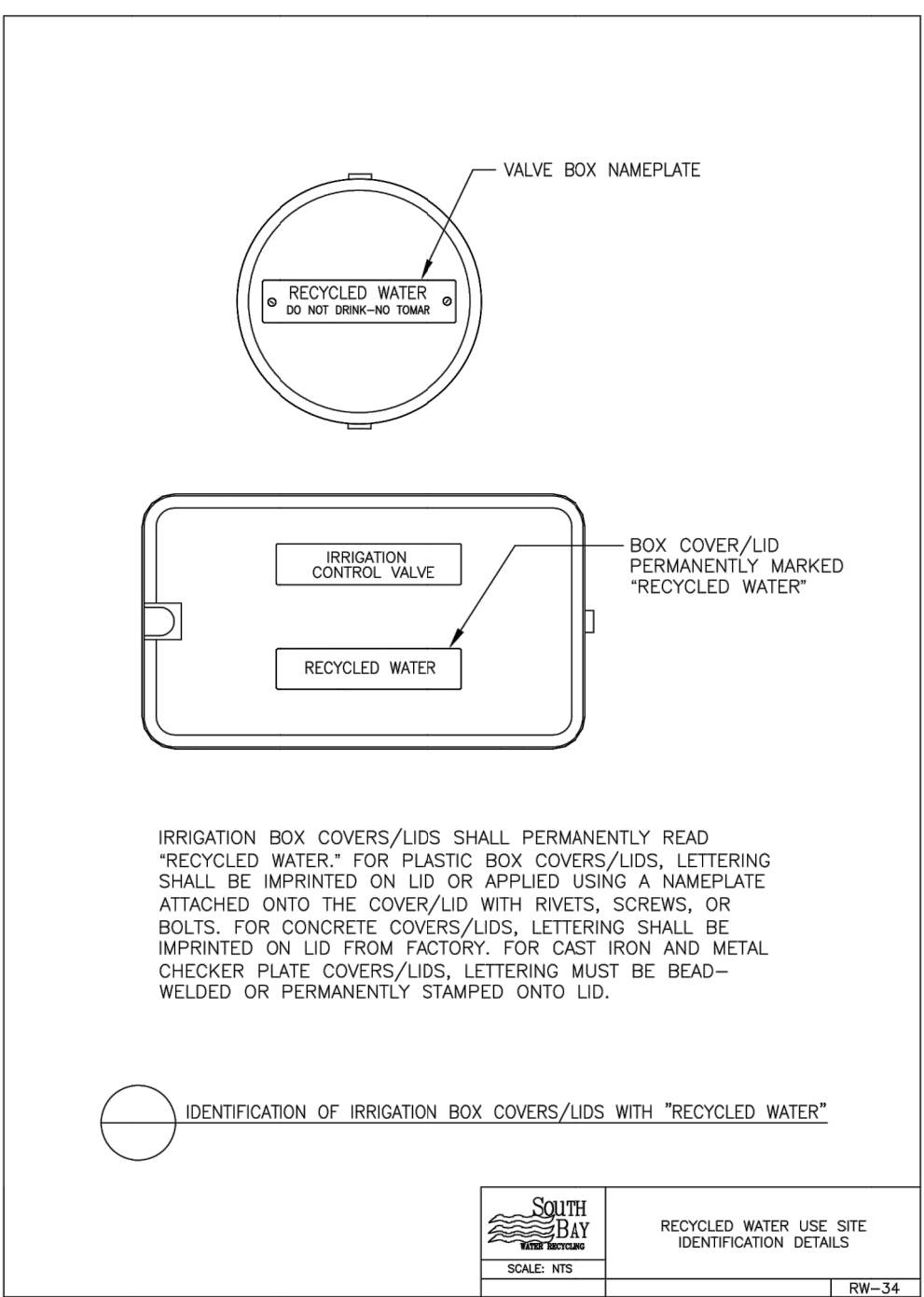
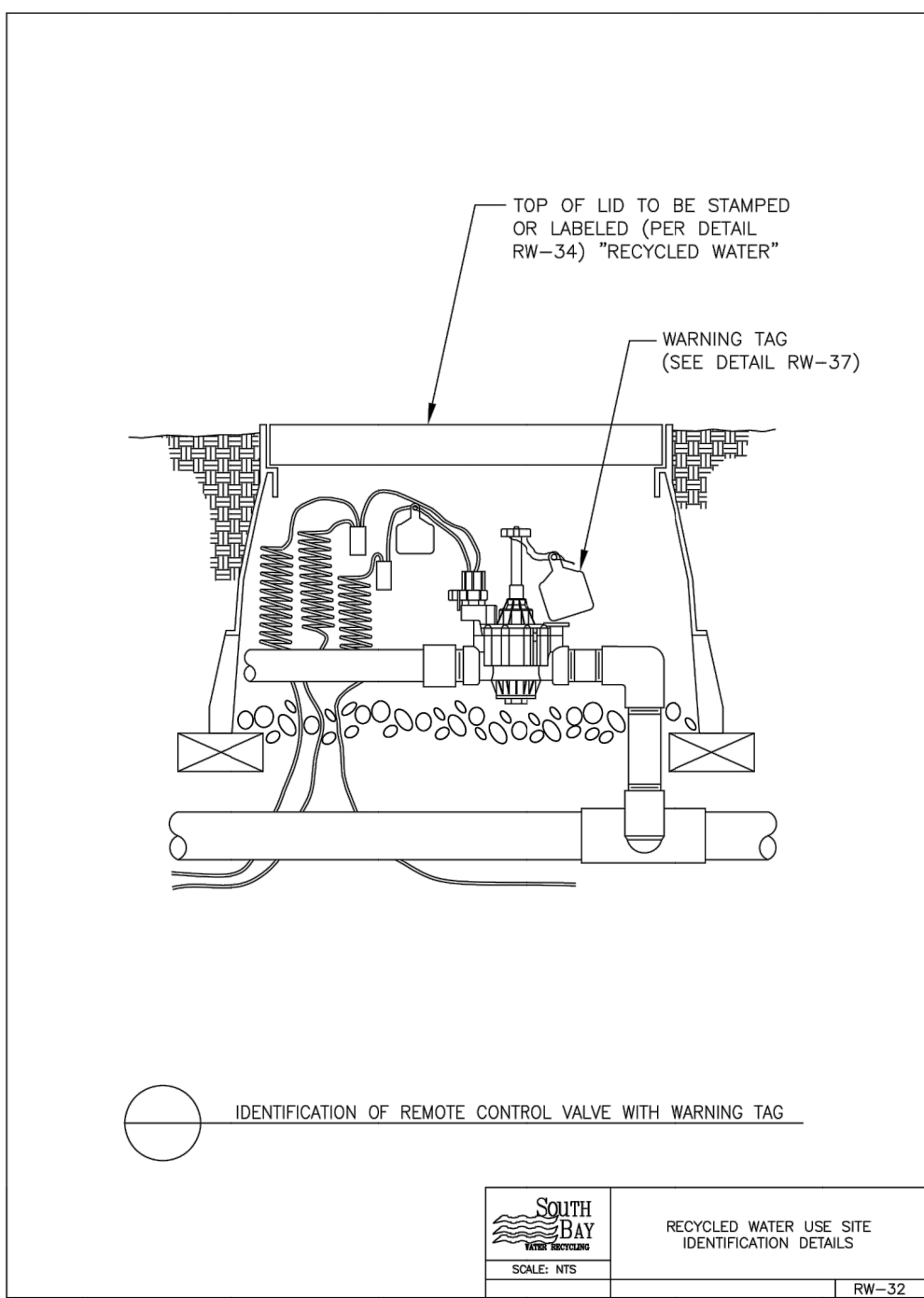
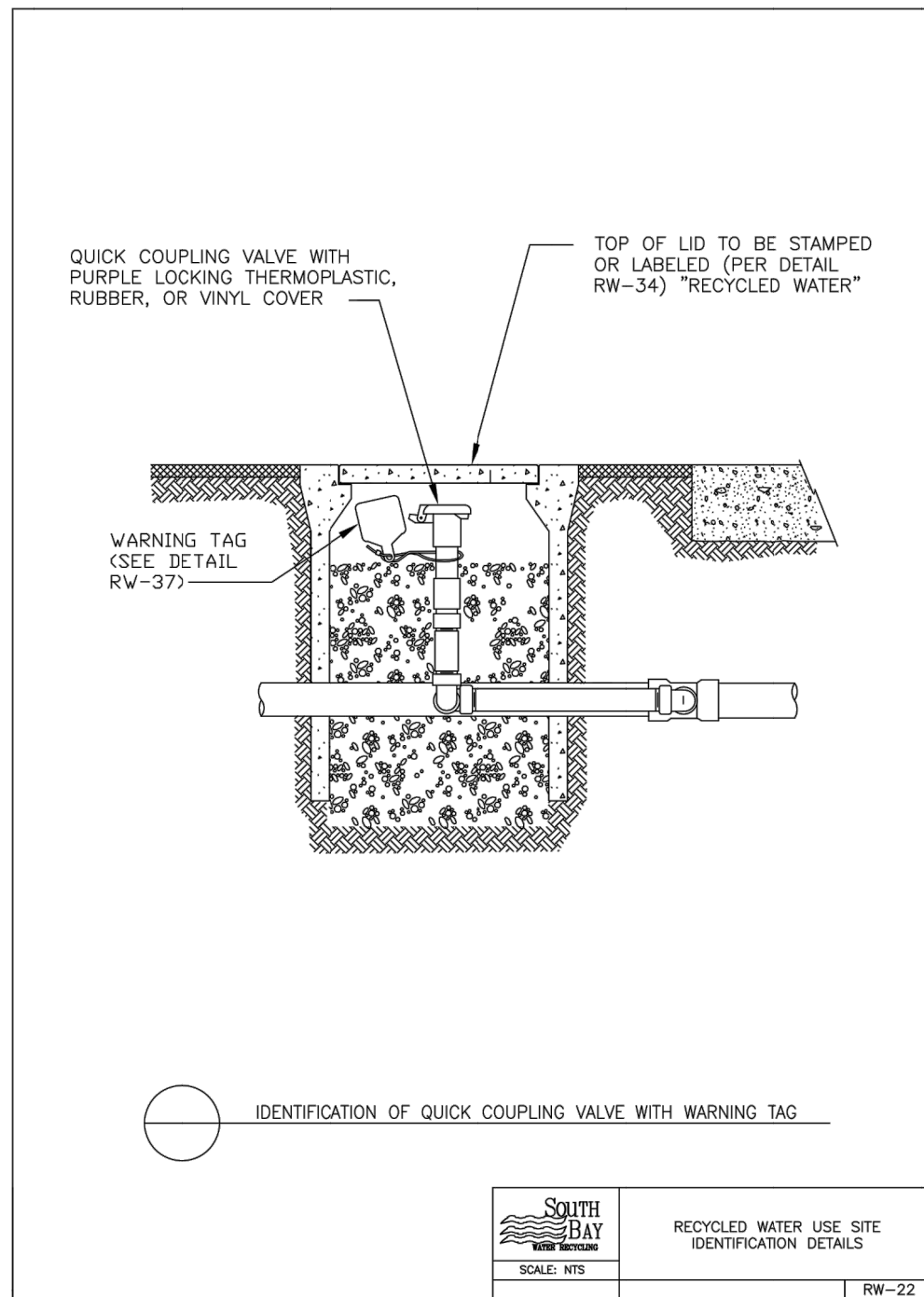


**SOUTH BAY WATER RECYCLING (SBWR) STANDARD NOTES FOR RECYCLED WATER SYSTEMS:**

- PRIOR TO RECEIVING RECYCLED WATER, THE SITE MUST BE PERMITTED BY SOUTH BAY WATER RECYCLING (SBWR). A PERMIT WILL BE GRANTED AFTER:
  - INSPECTION BY SBWR HAS BEEN COMPLETED SHOWING CONFORMANCE WITH SBWR RULES AND REGULATIONS (<https://www.sanjoaquin.gov/home/showdocument?id=926>).
  - A FINAL ON-SITE INSPECTION HAS BEEN CONDUCTED TO CONFIRM THAT ALL REQUIREMENTS HAVE BEEN MET.
  - THE CUSTOMER HAS PROVIDED THE SBWR INSPECTOR WITH THE MOST CURRENT BACKFLOW PREVENTION DEVICE TEST REPORTS FOR ALL OF THE SITE'S POTABLE WATER AND FIRE SERVICE CONNECTIONS (AND ANY AUXILIARY WATER SOURCES).
  - THE SITE HAS PASSED REQUIRED CROSS-CONNECTION TEST PERFORMED BY A CERTIFIED AWWA CROSS-CONNECTION SPECIALIST.

THE OWNER'S OR TENANT'S REPRESENTATIVE MUST ALSO COMPLETE A SITE SUPERVISOR TRAINING CLASS OFFERED BY SBWR IN ORDER TO RECEIVE A PERMANENT PERMIT. IN THE INTERIM BETWEEN CONNECTION AND TRAINING, THE TENANT OR OWNER WILL RECEIVE A TEMPORARY RECYCLED WATER PERMIT.

CONTACT SBWR AT (408) 277-3671 FOR FURTHER INFORMATION.
- ALL WORK SHALL CONFORM TO EXISTING REGULATIONS INCLUDING BUT NOT LIMITED TO:
  - SOUTH BAY WATER RECYCLING (SBWR) RULES AND REGULATIONS
  - STATE WATER RESOURCES CONTROL BOARD - DIVISION OF DRINKING WATER REGULATIONS
- CHANGES MADE TO THE APPROVED IRRIGATION PLANS SHALL BE SUBMITTED TO SBWR FOR REVIEW AND APPROVAL AT LEAST 2 WEEKS PRIOR TO START OF CONSTRUCTION.
- AT LEAST TWO DAYS PRIOR TO START OF CONSTRUCTION, CONTRACTOR AND SBWR INSPECTOR SHALL HOLD A PRE-CONSTRUCTION MEETING. TO SCHEDULE MEETING, CONTACT SBWR AT (408) 277-3671.
- NOTIFY SBWR INSPECTOR A MINIMUM OF AT LEAST 24 HRS BEFORE WORK BEGINS. SBWR INSPECTOR MUST INSPECT AND/OR VERIFY:
  - PRESENCE OF PROPER BACKFLOW PREVENTION AT ALL POTABLE POINTS OF CONNECTION;
  - NEW UNDERGROUND PIPING LABELING, CLEARANCES, BURIAL DEPTH, SLEEVINGS;
  - INSTALLATION OF SIGNS, TAGS, AND CONTROLLER DECALS;
  - REQUIRED TEMPORARY CONNECTION TO POTABLE WATER SERVICE; IN MOST CASES, THE SITE'S IRRIGATION SYSTEM MUST BE CONNECTED TO A TEMPORARY SOURCE OF POTABLE WATER IN ORDER TO CONDUCT REQUIRED CROSS-CONNECTION TEST.
  - IF SITE PASSED REQUIRED CROSS-CONNECTION TEST PERFORMED BY A CERTIFIED AWWA CROSS-CONNECTION SPECIALIST.
  - NEW METER INSTALLATION - PRIOR TO RECEIVING RECYCLED WATER, SBWR INSPECTOR MUST INSPECT THE DISCONNECTION OF THE SITE'S IRRIGATION SYSTEM FROM THE TEMPORARY POTABLE WATER SUPPLY, AND THEN INSPECT THE CONNECTION OF THE SYSTEM TO THE RECYCLED WATER METER.
- NO CROSS-CONNECTIONS BETWEEN THE POTABLE AND RECYCLED WATER SYSTEMS ARE PERMITTED.
- ALL ON-SITE BURIED RECYCLED WATER PIPING SHALL BE IDENTIFIED BY ONE OF THE FOLLOWING METHODS:
  - USING PURPLE-COLORED PVC PIPE WITH CONTINUOUS WORDING: "CAUTION - RECYCLED WATER" PRINTED ON OPPOSITE SIDES OF THE PIPE. PIPE SHALL BE LAID WITH WORDING FACING UPWARDS;
  - WARNING TAPE WITH A MINIMUM WIDTH OF 3 INCHES READING: "CAUTION - RECYCLED WATER" (IN BLACK OR WHITE LETTERING ON PURPLE BACKGROUND) SHALL RUN CONTINUOUSLY ON TOP OF PIPING AND SHALL BE ATTACHED TO PIPING WITH PLASTIC TAPE BANNED AROUND THE WARNING TAPE AND THE PIPE EVERY 5 FEET ON CENTER.
  - BLUE-COLORED PVC PIPE SHALL NOT BE USED UNLESS THE BLUE COLOR IS COMPLETELY OBTURED BY ENCASINGMENT OF THE PIPE WITH PURPLE POLYETHYLENE WRAP OR OTHER METHODS APPROVED BY SBWR.
- PVC PIPE: CONSTANT-PRESSURE MAINLINE PIPING 1 1/2 INCHES AND SMALLER SHALL BE SCHEDULE 40; CONSTANT-PRESSURE MAINLINE PIPING 2 INCHES AND LARGER SHALL BE CLASS 315 OR C900 CLASS 200 DR 14; INTERMITTENT-PRESSURE LATERAL PIPING SHALL BE SCHEDULE 40 OR CLASS 200. BURIED COPPER PIPE SHALL BE TYPE "K".
- ALL ON-SITE RECYCLED WATER PIPING SHALL BE BURIED TO A MINIMUM DEPTH FROM FINISHED GRADE TO TOP OF PIPE (MINIMUM COVER) OF:
  - PRESSURIZED LINES 3 INCHES AND LARGER 24 INCHES
  - PRESSURIZED LINES 2 1/2 INCHES AND SMALLER 18 INCHES
  - INTERMITTENT-PRESSURE LINES 12 INCHES
- ALL RECYCLED WATER PIPING OTHER THAN PVC PIPING WITH SOLVENT WELDED JOINTS SHALL BE PROTECTED AGAINST MOVEMENT WITH THRUST BLOCKS OR RESTRAINED JOINTS OR OTHER APPROVED METHOD PER SBWR DETAILS.
- MAINTAIN A 10-FOOT HORIZONTAL SEPARATION BETWEEN BURIED PRESSURIZED RECYCLED WATER IRRIGATION PIPING AND BURIED POTABLE WATER PIPING UNLESS OTHERWISE NOTED. AT PIPE CROSSINGS, BURIED PRESSURIZED RECYCLED WATER IRRIGATION PIPING MUST BE 12 INCHES BELOW POTABLE WATER LINES. PRESSURIZED RECYCLED WATER PIPELINES ARE ALLOWED OVER POTABLE WATER PIPELINES WITH A MINIMUM OF 12 INCHES VERTICAL SEPARATION IF A FULL STANDARD PIPE LENGTH IS CENTERED OVER THE CROSSING, OR THE RECYCLED WATER PIPELINE IS INSTALLED IN A PIPE SLEEVE WHICH EXTENDS A MINIMUM OF 10 FEET ON EITHER SIDE OF THE POTABLE WATER PIPING. INTERMITTENTLY PRESSURIZED IRRIGATION LATERALS MAY BE LOCATED A MINIMUM OF 12 INCHES ABOVE POTABLE WATER PIPELINES WITHOUT SLEEVING.
- ALL RECYCLED WATER SYSTEM REMOTE CONTROL VALVES, ISOLATION VALVES, QUICK COUPLING VALVES, STRAINERS, AND PRESSURE REDUCING VALVES SHALL BE INSTALLED BELOW GRADE IN VALVE BOXES. LIDS SHALL PERMANENTLY READ "RECYCLED WATER," GREEN, BLACK, OR PURPLE-COLORED PLASTIC BOXES AND LIDS, AND CONCRETE BOXES WITH CONCRETE OR METAL LIDS ARE ACCEPTABLE. FOR PLASTIC BOX LIDS, LETTERING SHALL BE IMPRINTED ON LID OR APPLIED USING A NAMEPLATE ATTACHED ONTO THE LID WITH RIVETS, SCREWS, OR BOLTS. FOR CONCRETE LIDS, LETTERING SHALL BE IMPRINTED ON LID FROM FACTORY. FOR CAST IRON AND METAL CHECKER PLATE LIDS, LETTERING MUST BE BEAD-WELDED OR PERMANENTLY STAMPED ONTO LID.
- QUICK COUPLING VALVES SHALL HAVE PURPLE COVERS AND SHALL BE PER SBWR STANDARD DETAILS.
- NO HOSE BIBS ARE ALLOWED ON THE RECYCLED WATER IRRIGATION SYSTEM. ANY EXTERIOR HOSE BIBS SERVED WITH POTABLE WATER MUST BE LABELED PER SBWR STANDARD DETAILS.
- ALL RECYCLED WATER METERS, DEVICES, AND VALVES - E.G. ISOLATION VALVES, IRRIGATION CONTROLLERS, REMOTE CONTROL VALVES, PRESSURE REDUCING VALVES, QUICK COUPLING VALVES, FLOW SENSORS, ETC. - SHALL BE TAGGED PER SBWR STANDARD DETAILS.
- LABEL ALL POTABLE WATER METERS AND ABOVE GROUND POTABLE WATER PIPES/ DEVICES (BACKFLOW PREVENTERS, HOSE BIBS, ETC.) WITH TAGS OR LABELS READING: "POTABLE WATER" IN BLACK LETTERS ON BLUE BACKGROUND, PER SBWR DETAILS.
- ALL RECYCLED WATER IRRIGATION SYSTEMS SHALL HAVE THE FOLLOWINGS:
  - A SWING CHECK VALVE INSTALLED AS CLOSE AS PRACTICABLE TO THE RECYCLED WATER METER BOX (UNLESS OTHERWISE DIRECTED BY SBWR).
  - A WYE STRAINER (WITH A 20-MESH OR FINER SCREEN) INSTALLED IMMEDIATELY DOWNSTREAM OF THE SWING CHECK VALVE (IF NO SWING CHECK VALVE REQUIRED, THEN AS CLOSE AS PRACTICABLE TO THE RECYCLED WATER METER BOX).
  - A PRESSURE REDUCING VALVE INSTALLED IMMEDIATELY DOWNSTREAM OF THE STRAINER (UNLESS OTHERWISE DIRECTED BY SBWR).
  - THESE COMPONENTS SHALL BE INSTALLED WITH ISOLATION VALVES TO FACILITATE MAINTENANCE.
- RECYCLED WATER ADVISORY SIGNS SHALL BE PER SBWR STANDARD DETAILS AND SHALL BE POSTED PER LOCATIONS SHOWN ON IRRIGATION PLANS.
- INSTALLATION OF DIRECT INJECTION SYSTEMS ON THE RECYCLED WATER IRRIGATION SYSTEM IS NOT PERMITTED.
- NO DRINKING FOUNTAINS OR EATING AREAS ARE ALLOWED IN THE APPROVED RECYCLED WATER USE AREA UNLESS ADEQUATELY PROTECTED FROM OVERTSPRAY.
- ALL RECYCLED WATER METERS WILL BE SET BY THE LOCAL WATER UTILITY AFTER:
  - THE SITE'S OWNER, DEVELOPER, OR CONTRACTOR HAS APPLIED FOR RECYCLED WATER SERVICE WITH THE LOCAL WATER UTILITY. THE WATER SERVICE AGREEMENT HAS BEEN APPROVED, AND ALL APPLICABLE FEES HAVE BEEN PAID.
  - THE WATER UTILITY HAS RECEIVED AUTHORIZATION FROM SBWR TO SET RECYCLED WATER METERS.
- NO OVERTSPRAY OR RUNOFF OF RECYCLED WATER IS ALLOWED ON ANY NON-APPROVED USE AREA. PONDING OF RECYCLED WATER DUE TO IRRIGATION IS NOT ALLOWED IN ANY AREA. UPON RECEIVING RECYCLED WATER, THE ON-SITE RECYCLED WATER IRRIGATION SYSTEM MUST PASS A COVERAGE TEST PERFORMED BY SBWR INSPECTOR.
- CONTRACTOR SHALL SUBMIT AS-BUILT IRRIGATION PLANS TO SBWR.

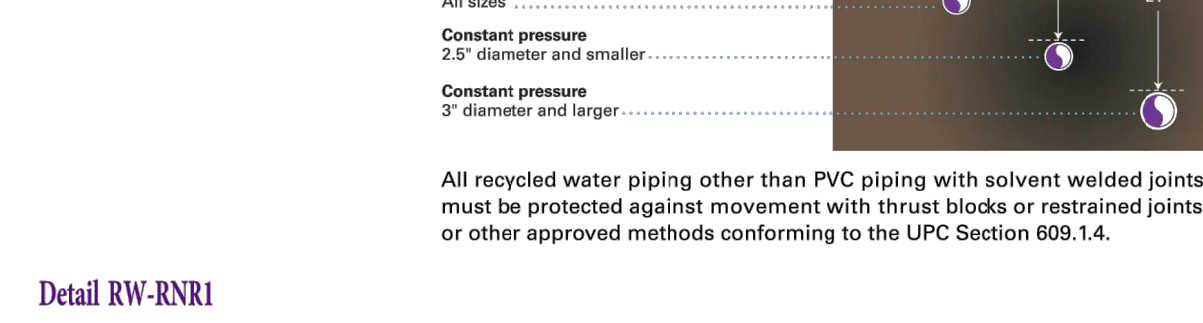


PIPE CLASS	Type of Recycled Water Piping	Size	Class
Constant pressure PVC	1.5" diameter and smaller	1.5" diameter and smaller	Schedule 40 or greater
Intermittent pressure PVC lateral piping	2.0" diameter and larger	2.0" diameter and larger	Class 315 or greater
Copper piping			Class 200 or greater
			Type "K" or greater

Type of Recycled Water Piping	Minimum Cover
Intermittent pressure All sizes	Minimum cover 12"
Constant pressure 2.5" diameter and smaller	Minimum cover 12"
Constant pressure 3" diameter and larger	Minimum cover 24"

All recycled water piping other than PVC piping with solvent welded joints must be protected against movement with thrust blocks or restrained joints or other approved methods conforming to the UPC Section 609.1.4.



DDW ACCEPTANCE SIGNATURES FOR SBWR PROJECT ID SWC0159AP--

FOR APPROVAL: \_\_\_\_\_ DATE: \_\_\_\_\_

SBWR - SOUTH BAY WATER RECYCLING \_\_\_\_\_ DATE: \_\_\_\_\_

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LICENSED LANDSCAPE ARCHITECT  
No. 3676  
05.31.2023  
02.07.2023  
STATE OF CALIFORNIA

Key Plan

Project Title

**SCCOE BACKUP GENERATOR**

1290 Ridder Park Dr, San Jose

**SANTA CLARA COUNTY OFFICE OF EDUCATION**

No.	Description	Date
1	BUILDING SUBMITTAL	07/11/2022
	BUILDING RE-SUBMITTAL	02/07/2023

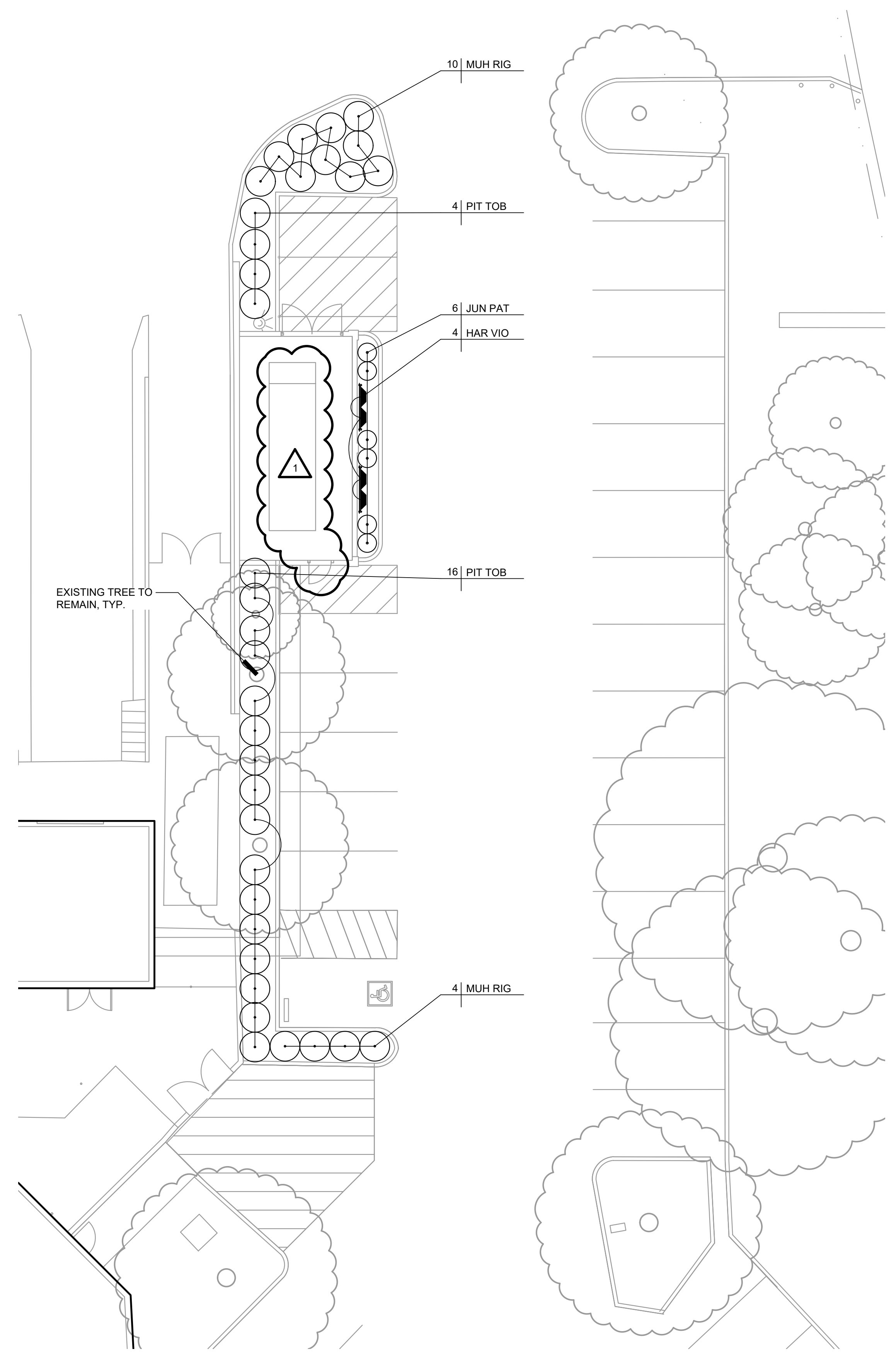
Drawing Title

**SOUTH BAY RECYCLED WATER IRRIGATION NOTES AND DETAILS**

Architect Seal

File Number	-	Drawing No	<b>L1.3</b>
Application Number	-		
Date	02.07.2023		
Project No.	06401		
	ANLA: 2210		





**PLANTING NOTES**

1. THESE NOTES ARE FOR GENERAL REFERENCE IN CONJUNCTION WITH, AND AS A SUPPLEMENT TO THE WRITTEN SPECIFICATIONS, DETAILS, ADDENDA AND CHANGE ORDERS ASSOCIATED WITH THE CONTRACT DOCUMENTS.
2. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION.
3. CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATION OF ALL EXISTING AND PROPOSED UNDERGROUND SERVICES AND IMPROVEMENTS WHICH MAY CONFLICT WITH WORK TO BE DONE. CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 642-2444 PRIOR TO DIGGING. NOTIFY OWNER IMMEDIATELY SHOULD CONFLICTS ARISE.
4. FINE GRADING, HEADERS AND IRRIGATION COVERAGE SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING OPERATIONS.
5. CONTRACTOR SHALL LAY OUT PLANT MATERIAL PER PLAN AND FACE TO GIVE BEST APPEARANCE OR RELATION TO ADJACENT PLANTS, STRUCTURES OR VIEWS. CONTRACTOR TO OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
6. PLANT MATERIAL SHALL NOT BE INSTALLED IN AN AREA WHICH WILL CAUSE HARM TO ADJACENT STRUCTURES OR OBSTRUCT IRRIGATION SPRAY PATTERN. NOTIFY THE OWNER'S REPRESENTATIVE SHOULD CONFLICTS ARISE.
7. PLANT LOCATIONS ARE DIAGRAMMATIC AND MAY BE ADJUSTED IN THE FIELD AT THE OWNER'S REPRESENTATIVE REQUEST PRIOR TO INSTALLATION. OBTAIN APPROVAL OF PLANT LAYOUT FROM THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING.
8. UNLESS OTHERWISE NOTED, FINISH GRADE OF SHRUB AND GROUND COVER AREAS SHALL BE 2" BELOW ADJACENT PAVING. TAPER 3" DEPTH BARK MULCH TOP DRESSING TO 1/2" BELOW ADJACENT PAVING (1-1/2" DEPTH) WITHIN 2" OF PAVING. FINISH GRADE OF SEEDED CEDAR BARK MULCH FROM PACIFIC LANDSCAPE SUPPLY (209) 593-1199, WWW.PACIFICLANDSCAPESUPPLY.COM, OR EQUAL.
9. PLANTING AREAS SHALL RECEIVE A 3" MIN. DEPTH BARK MULCH TOP DRESSING, UNLESS OTHERWISE NOTED. IN NON-BIORETENTION AREAS BARK MULCH SHALL BE REPUBLIC SERVICES PRO-CHIP MULCH, IN BIORRETENTION AREAS BARK MULCH SHALL BE SHREDDED CEDAR BARK MULCH FROM PACIFIC LANDSCAPE SUPPLY (209) 593-1199, WWW.PACIFICLANDSCAPESUPPLY.COM, OR EQUAL.
10. NEWLY PLANTED MATERIAL SHALL BE THOROUGHLY SOAKED WITH WATER WITHIN 3 HOURS OF PLANTING.
11. EXISTING TREES, SHRUBS AND GROUND COVERS TO REMAIN SHALL BE PROTECTED. ANY DAMAGE CAUSED BY CONTRACTOR'S WORK OR NEGLIGENCE SHALL BE REPLACED OR REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
12. THIRTY DAYS AFTER PLANTING, CONTRACTOR SHALL RE-STAKE AND STRAIGHTEN TREES AS NECESSARY.
13. CONTRACTOR TO COLLECT AND SUBMIT SOIL SAMPLE TO WAYPOINT ANALYTICAL FOR SOIL AMENDING AND PREPARATION RECOMMENDATION PER SPECIFICATION SECTION 32 90 00.
14. CONTRACTOR SHALL COORDINATE ROUGH GRADING AND FINE GRADING TO ENSURE EXISTING SUITABLE TOPSOIL IS REMOVED, STOCKPILED AND REINSTALLED INTO PROPOSED LANDSCAPE AREAS PER LANDSCAPE SPECIFICATION SECTION 32 90 00. IN THE EVENT THERE IS NOT ENOUGH EXISTING TOPSOIL, OR NO PLACE TO STOCKPILE TOPSOIL, CONTRACTOR SHALL IMPORT AND INSTALL TOPSOIL PER LANDSCAPE SPECIFICATION SECTION 32 90 00.
15. THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING OR REPLACING, AT HIS OWN EXPENSE, SURFACE AND SUBSURFACE SITE FEATURES TO REMAIN, INCLUDING BUT NOT LIMITED TO STRUCTURES, FENCES, WALLS, PAVING SURFACES, PLANT MATERIAL AND/OR TREES DAMAGED OR DESTROYED, BOTH ON THIS PROPERTY OR THOSE PROPERTIES ADJACENT TO THIS SITE. THE DAMAGED ITEM(S) WILL BE RESTORED TO THEIR ORIGINAL CONDITION OR REPLACED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
16. REFER TO PLANTING DETAILS THIS SHEET AND SPECIFICATIONS SECTIONS:  
 329000 PLANTING  
 015639 TEMPORARY TREE AND PLANT PROTECTION

**PLANT LEGEND**

SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME	WATER NEEDS*
<b>TREES</b>				
GIN BIL	24" BOX	GINKGO BILOBA 'PRINCETON SENTRY'	PRINCETON SENTRY GINKGO	MODERATE
<b>SHRUBS:</b>				
JUN PAT	5 GAL	JUNCUS PATENS	CALIFORNIA GREY RUSH	LOW
MUH RIG	5 GAL	MUHLENBERGIA RIGENS	DEER GRASS	LOW
PIT TOB	5 GAL	PITTOSPORUM TOBIRA 'VARIEGATA'	VARIEGATED MOCK ORANGE	MOD
<b>VINES:</b>				
HAR VIO	5 GAL	HARDENBERGIA VIOLACEA	PURPLE VINE LILAC	MOD

\*WATER NEEDS BASED ON: "WATER USE CLASSIFICATION OF LANDSCAPE SPECIES", ZONE 1, UNIVERSITY OF CALIFORNIA COOPERATIVE EXTENSION AND THE DEPARTMENT OF WATER RESOURCES, 2014.



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Key Plan

Project Title

**SCCOE BACKUP GENERATOR**

1290 Ridder Park Dr, San Jose

**SANTA CLARA COUNTY OFFICE OF EDUCATION**

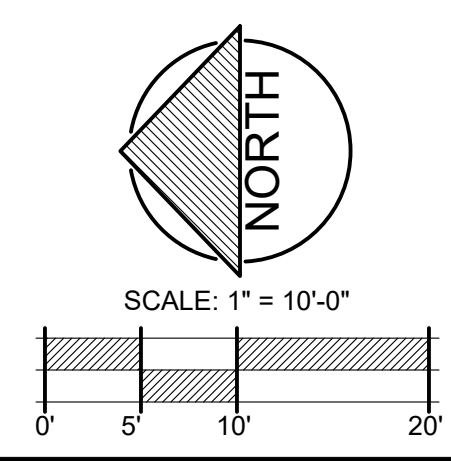
No.	Description	Date
1	BUILDING SUBMITTAL	07/11/2022
	BUILDING RE-SUBMITTAL	02/07/2023

Drawing Title

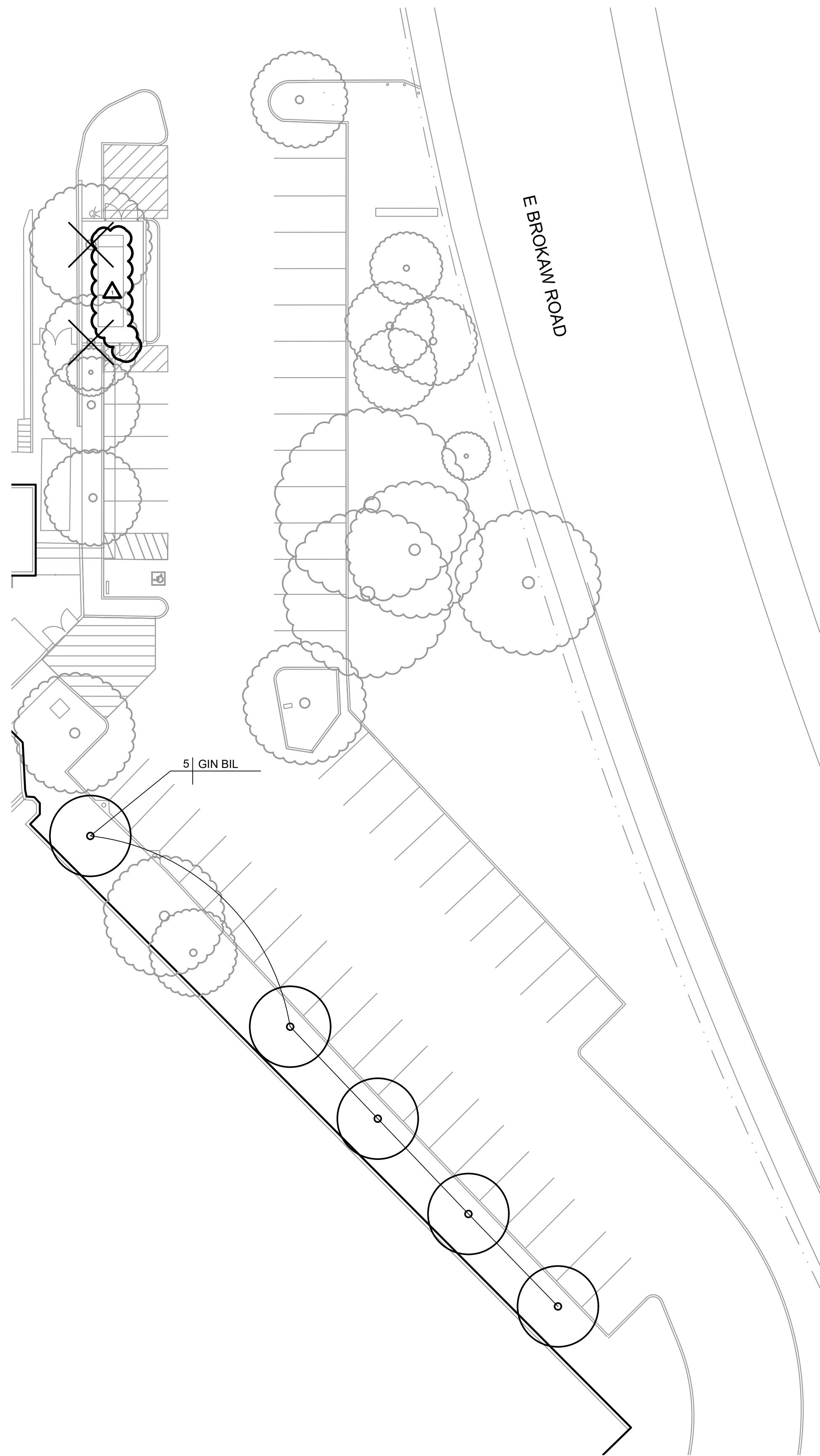
**PLANTING PLAN**

Architect Seal

File Number	-	Drawing No	<b>L2.1</b>
Application Number	-		
Date	02.07.2023		
Project No.	06401	ANLA: 2210	







**TREE MITIGATION LEGEND**

SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME	WATER*
GIN BIL	24" BOX	GINKGO BILOBA 'PRINCETON SENTRY'	PRINCETON SENTRY GINKGO	MODERATE

EXISTING TREES TO REMAIN, PROTECT IN PLACE

EXISTING TREE TO BE REMOVED, REMOVE STUMP AND ROOTS, TYP.

\*WATER NEEDS BASED ON: "WATER USE CLASSIFICATION OF LANDSCAPE SPECIES", ZONE 1, UNIVERSITY OF CALIFORNIA COOPERATIVE EXTENSION AND THE DEPARTMENT OF WATER RESOURCES, 2014.

**TREE MITIGATION NOTES**

1. PROPOSED REMOVAL OF (2) NON-ORDINANCE TREES.
2. CIRCUMFERENCE OF EACH TREE TO BE REMOVED IS LESS THAN 38".
3. MITIGATION TREE QUANTITIES:  
(4) 15 GALLON TREES OR (2) 24" BOX TREES REQUIRED.  
(5) 24" BOX TREES PROPOSED.
4. NEW TREE PLANTING TO RECEIVE IRRIGATION FROM EXISTING IRRIGATION SYSTEM IN ITS RESPECTIVE PLANTER. ADJUST OR ADD SPRAY HEADS AS NECESSARY TO ACHIEVE 100% COVERAGE.
5. REFER TO TREE PRESERVATION DETAIL A, L2.3

**TREE REMOVAL NOTES**

1. THE LIMITS AND SCOPE OF DEMOLITION SHOWN HEREON ARE TO PROVIDE THE CONTRACTOR WITH A GENERAL SCOPE OF TREE REMOVAL WORK. PRECISE LIMITS OF PAVEMENT REMOVAL AND GRADING SHOULD BE TAKEN FROM THE CIVIL GRADING AND DRAINAGE PLAN. THE CONTRACTOR SHOULD ALSO REFERENCE THE ARCHITECTURAL PLANS AND OTHER LANDSCAPE ARCHITECTURAL PLANS AND THE CONSTRUCTION DOCUMENTS FOR A COMPLETE SCOPE OF WORK. VERIFY ALL DEMOLITION WITH THE OWNER'S REPRESENTATIVE
2. DEMOLITION WORK SHALL CONFORM TO CAL GREEN CODE SECTION 5.408.3 (CONSTRUCTION WASTE REDUCTION BY AT LEAST 50%) AND 5.408.4 (EXCAVATED SOIL AND LAND CLEARING DEBRIS), AND LOCAL CONSTRUCTION WASTE MANAGEMENT REQUIREMENTS. THE MOST STRINGENT CODE SHALL PREVAIL.
3. REFER TO PLANTING NOTES AND LEGEND, SHEET L2.1



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Key Plan

Project Title

**SCCOE BACKUP GENERATOR**

1290 Ridder Park Dr, San Jose

SANTA CLARA COUNTY OFFICE OF EDUCATION

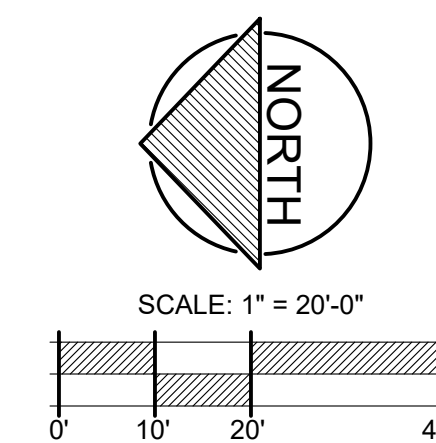
No.	Description	Date
1	BUILDING SUBMITTAL	07/11/2022
	BUILDING RE-SUBMITTAL	02/07/2023

Drawing Title

**TREE MITIGATION PLAN**

Architect Seal

File Number	-	Drawing No	<b>L2.2</b>
Application Number	-		
Date	02.07.2023		
Project No.	06401	ANLA: 2210	





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Key Plan

Project Title

## SCCOE BACKUP GENERATOR

1290 Ridder Park Dr, San Jose

## SANTA CLARA COUNTY OFFICE OF EDUCATION

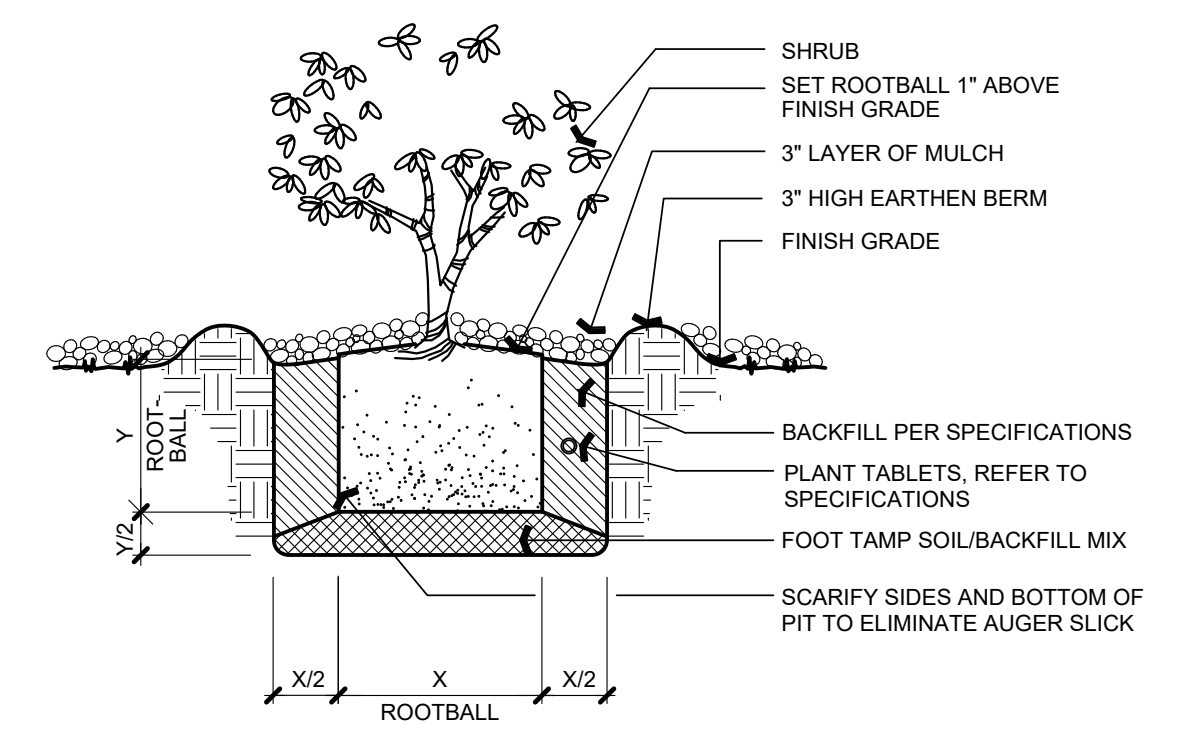
No.	Description	Date
1	BUILDING SUBMITTAL	07/11/2022
	BUILDING RE-SUBMITTAL	02/07/2023

Drawing Title

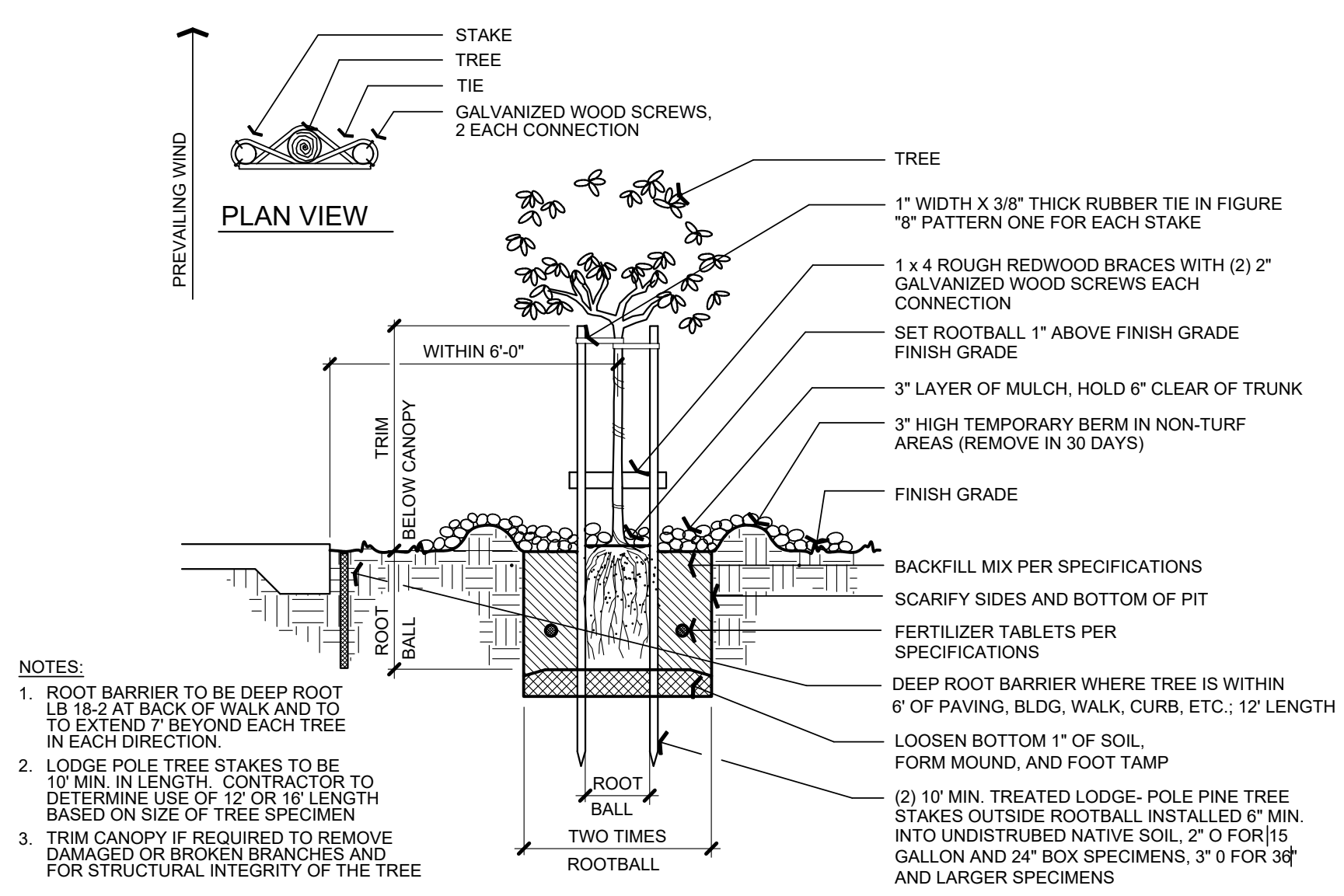
## PLANTING DETAILS

Architect Seal

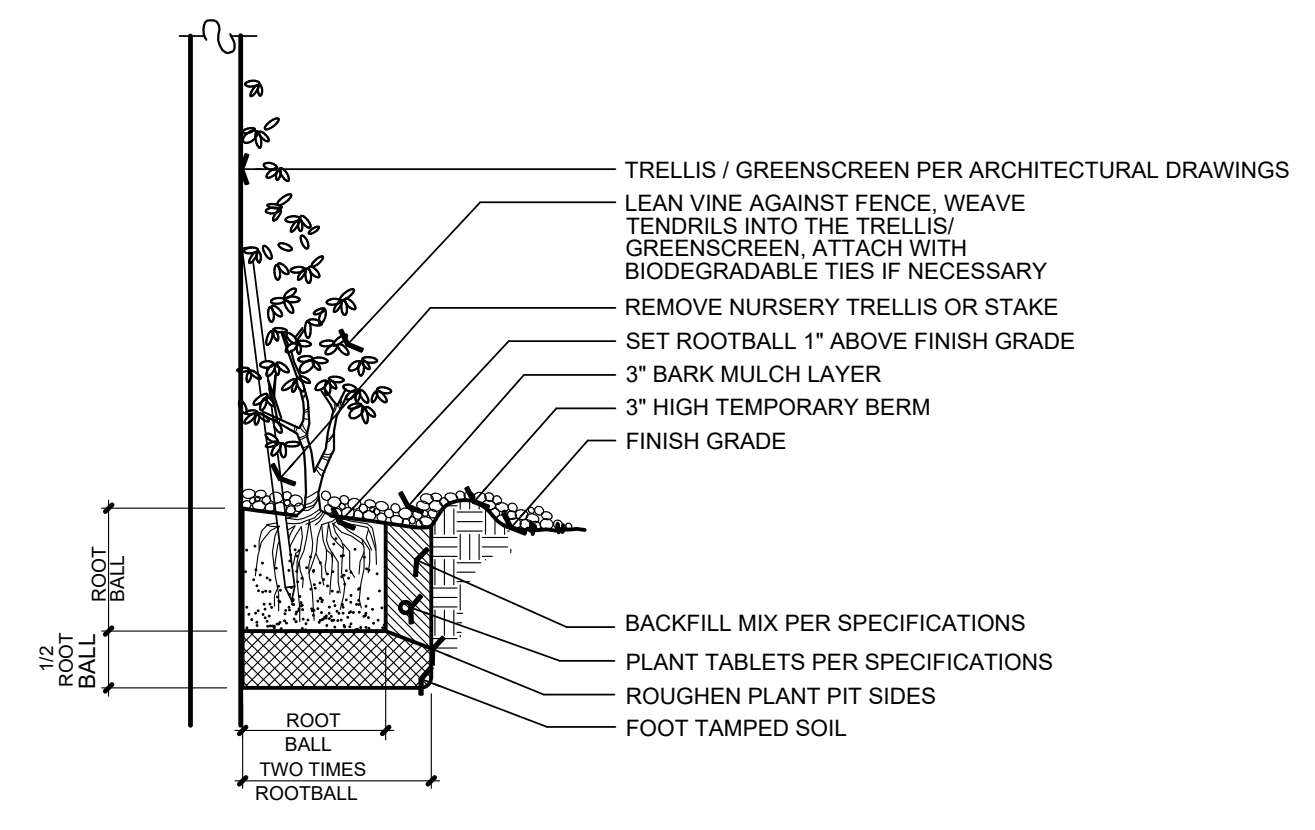
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Application Number	-	
Date	02.07.2023	
Project No.	06401 ANLA: 2210	



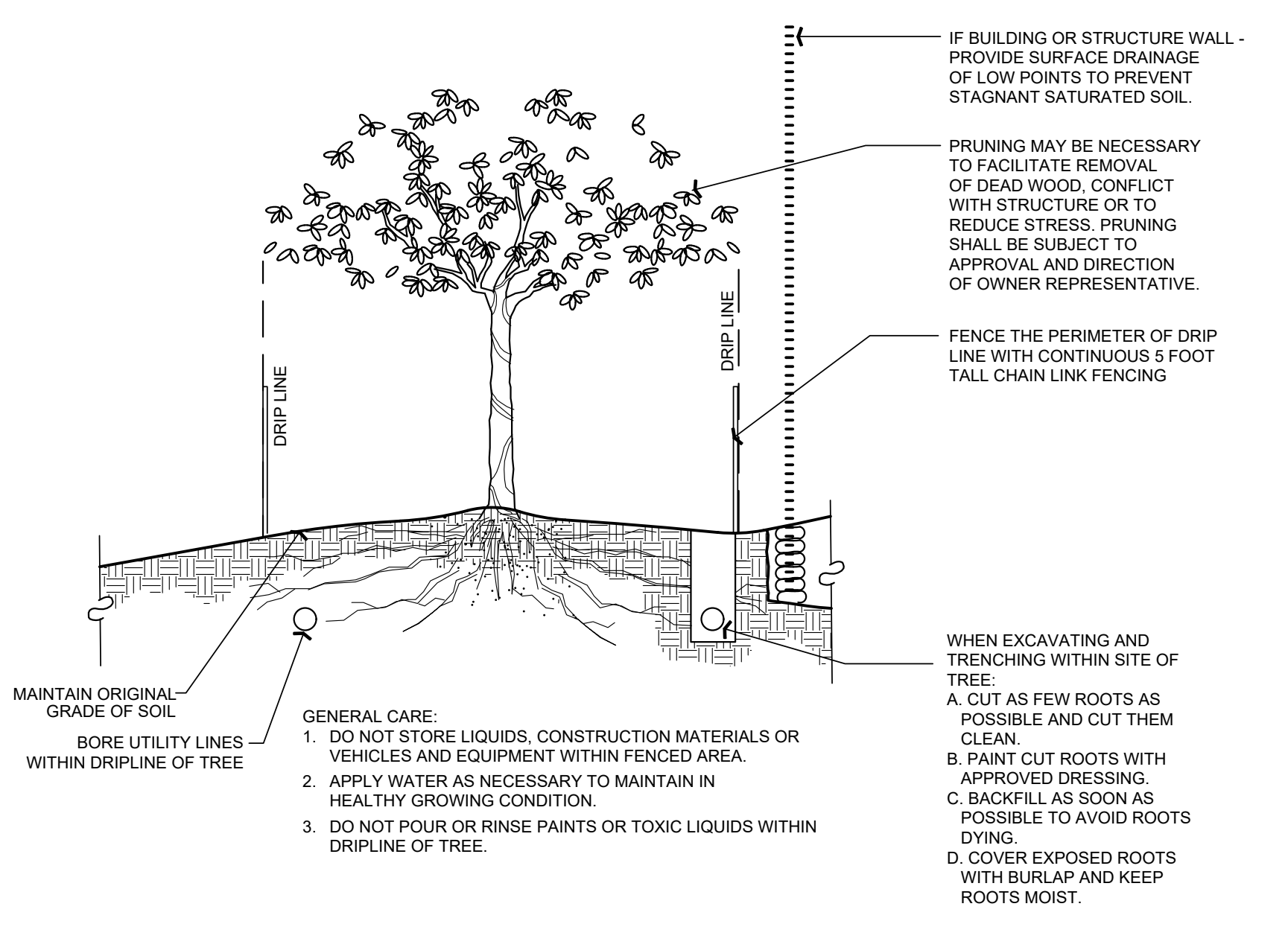
**C** SHRUB PLANTING SCALE: NTS



**B** TREE PLANTING SCALE: NTS



**D** VINE PLANTING SCALE: NTS



**A** TREE PRESERVATION SCALE: NTS



### GENERAL NOTES

- THE COMPLETE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2019 CBC (CALIFORNIA BUILDING CODE), 2019 CEC (CALIFORNIA ELECTRICAL CODE), 2019 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS AND SAN JOSE CITY REQUIREMENTS, THE LATEST RULES AND REGULATIONS OF THE SAFETY ORDER ISSUED BY THE DIVISION OF INDUSTRIAL SAFETY, THE NATIONAL BOARD OF FIRE UNDERWRITERS, ALL APPLICABLE STATE AND LOCAL CODES ISSUED BY AUTHORITIES HAVING JURISDICTION.
- THE CONTRACTOR, PRIOR TO BIDDING, SHALL VISIT THE JOB SITE TO BECOME ACQUAINTED WITH THE EXISTING INSTALLATION AND SYSTEMS RELATED TO HIS WORK AND SHALL INCLUDE IN THE BID PROPOSAL ALL LABOR AND MATERIALS REQUIRED FOR THE ELECTRICAL INSTALLATION TO BE COMPLETE AND OPERATIVE.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE ENGINEER, THE SCCOE AND WITH OTHER WORK TO BE PROVIDED.
- THE CONTRACTOR SHALL ORGANIZE AND CONDUCT HIS WORK TO MINIMIZE PLANT SHUTDOWN TIME. COORDINATE ALL POWER SHUTDOWNS WITH THE OWNER'S REPRESENTATIVE.
- PROVIDE SUBMITTALS FOR ALL (N) ELECTRICAL EQUIPMENT FOR APPROVAL BEFORE ORDERING AND INSTALLATION.
- SUBMIT COPIES OF PANEL SCHEDULES WHERE REQUIRED FOR APPROVAL.
- EXISTING UTILITY LOCATIONS ARE APPROXIMATE ONLY.
- ALL EXISTING EQUIPMENT SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED.
- LOCATIONS OF CONTROLLERS, CONDUIT, PULL BOXES AND OTHER EQUIPMENT AS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY BE CHANGED TO SUIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- ALL EXTERIOR MOUNTED EQUIPMENT SHALL BE WEATHERPROOF.
- UNLESS OTHERWISE INDICATED, THE MINIMUM SIZE OF CONDUCTORS SHALL BE #12 AWG THW, THWN OR XHHW STRANDED COPPER ONLY.
- GREEN INSULATED GROUND CONDUCTORS SHALL BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUIT CONDUITS.
- ELECTRICAL EQUIPMENT AND FEEDERS SHALL BE SUPPORTED AND/OR ANCHORED IN ACCORDANCE WITH CBC SEISMIC REQUIREMENTS.
- PROVIDE LABELS ON ALL EQUIPMENT AND DEVICES. LABELS SHALL BE PHENOLIC TYPE WITH BLACK LETTERS ON WHITE BACKGROUND, ATTACHED TO THE EQUIPMENT WITH STAINLESS STEEL SCREWS.
- SEAL OPENINGS AROUND NEW CONDUIT AND CONDUIT OPENINGS WHERE CONDUIT WAS REMOVED TO PREVENT PASSAGE OF WATER OR WATER AND GAS.
- THE CONTRACTOR SHALL MAINTAIN AT THE JOB SITE, AN UP TO DATE "AS-BUILT" DRAWING SET. THE "AS-BUILT" DRAWING SET SHALL REFLECT ALL APPROVED CHANGES TO THE DESIGN DRAWINGS. THE "AS-BUILT" DRAWING SET SHALL BE KEPT CLEAN AND IN GOOD CONDITION AND SHALL BE TURNED OVER TO THE OWNER AT THE COMPLETION OF THE PROJECT.
- UPON COMPLETION OF HIS WORK, THE CONTRACTOR SHALL SCHEDULE AND PERFORM A COMPLETE FUNCTIONAL TEST TO DEMONSTRATE TO THE OWNER THAT THE NEW INSTALLATION IS OPERATING AS INTENDED. ANY DEFECTS OR DEFICIENCIES IN THE MATERIALS OR WORK SHALL BE CORRECTED IMMEDIATELY BY AND AT THE CONTRACTOR'S EXPENSE.

### ABBREVIATIONS

A	AMMETER, AMPERE, AMBER	INST	INSTANTANEOUS
AF	AMPERE FRAME	KAIC	THOUSAND AMPERE INTERRUPTING CAPACITY
ANNUN	ANNUNCIATOR	KVA	KILOVOLT AMPERE
AFC	AVAILABLE FAULT CURRENT	KW	KILOWATT
AFG	ABOVE FINAL GRADE		
AT	AMPERE TRIP		
ATS	AUTOMATIC TRANSFER SWITCH	LT FLEX	LIQUID TIGHT FLEX CONDUIT
		LTG	LIGHTING
BKR	BREAKER	MSB	MAIN SWITCHBOARD
		MT	EMPTY
C	CONDUIT, CONTACTOR, CONTROL	MTS	MANUAL TRANSFER SWITCH
CBC	CALIFORNIA BUILDING CODE		
CKT	CIRCUIT	(N)	NEW
CP	CONTROL PANEL		
CT	CURRENT TRANSFORMER	PCGRS	PVC COATED GALVANIZED RIGID STEEL CONDUIT
CU	COPPER	PNL	PANEL
		PQM	POWER QUALITY METER
(E)	EXISTING	RCPT	RECEPTACLE
ELEV	ELEVATOR		
EM	EMERGENCY	SCCR	SHORT CIRCUIT RATING
EMS	BUILDING ENERGY MANAGEMENT SYSTEM	SPD	SURGE PROTECTION DEVICE
FLA	FULL LOAD AMPS	ST	SHUNT TRIP
G	GREEN, GROUND, GENERATOR	TP	TWISTED PAIR
GEN	GENERATOR	TSP	TWISTED SHIELDED PAIR
GFI	GROUND FAULT INTERRUPTER/5mA		
GND	GROUND	UON	UNLESS OTHERWISE NOTED
GRS	GALVANIZED RIGID STEEL CONDUIT		

### DRAWING INDEX

E-1	ELECTRICAL GENERAL
E-2	EMERGENCY POWER SITE PLAN
E-3	ENLARGED PLAN - SOUTH BUILDING (BLDG #1) SERVICE
E-4	ENLARGED PLAN - NORTH BUILDING (BLDG #3) SERVICE
E-5	SINGLE LINE DIAGRAM - BLDG #1
E-6	SINGLE LINE DIAGRAM - BLDG #3
E-7	GENERATOR DETAILS
E-8	SWITCHBOARD DETAIL - BLDG #1
E-9	SWITCHBOARD DETAIL - BLDG #3
E-10	PG&E SHORT CIRCUIT LETTERS

### SCOPE OF WORK

#### NORTH BUILDING:

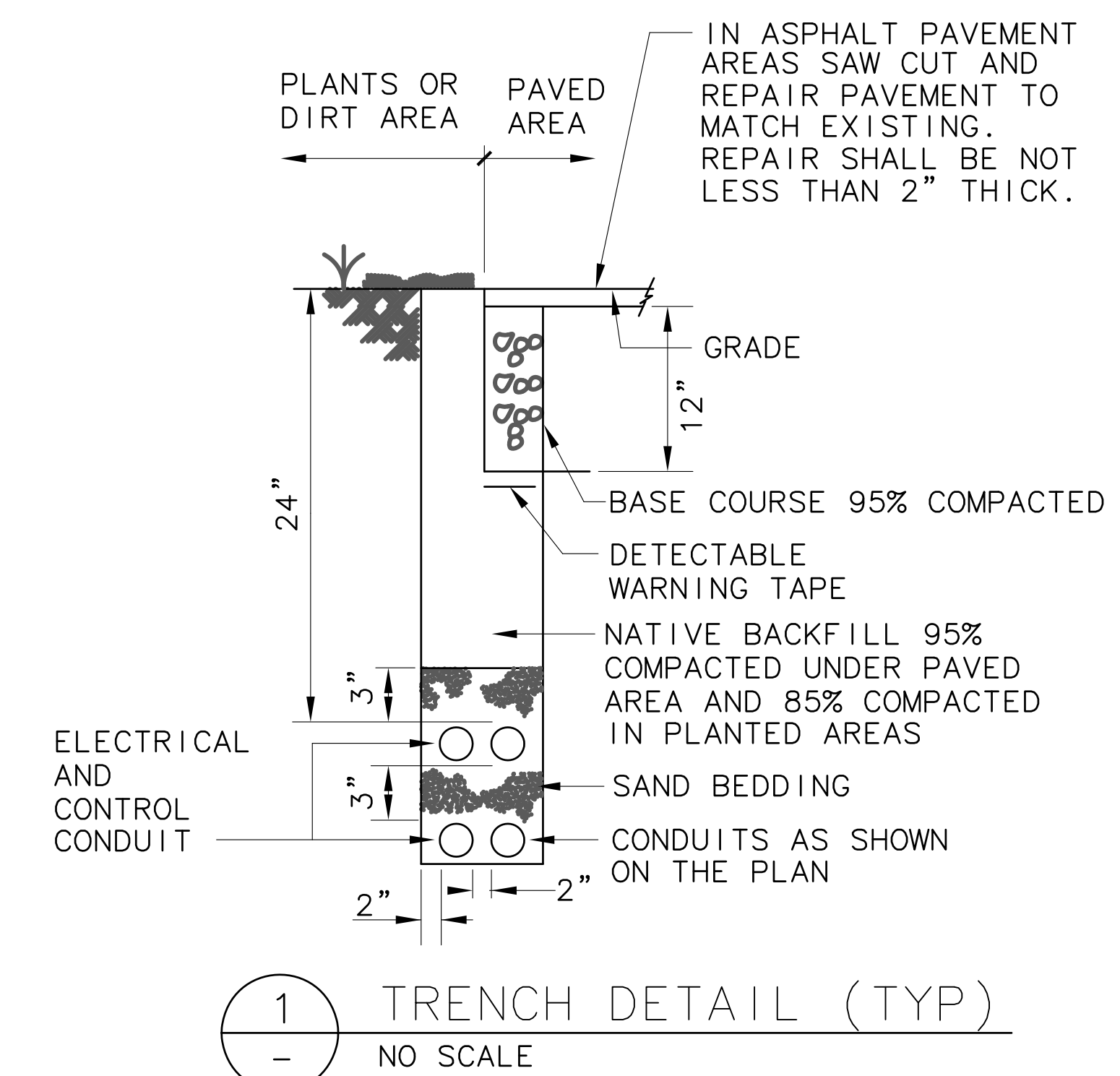
THE SCOPE OF WORK INCLUDES REMOVING THE EXISTING 300 KW GENERATOR THAT PROVIDES BACKUP TO ONLY DATA CENTER AND PROVIDING A NEW 500 KW GENERATOR THAT WILL PROVIDE BACKUP POWER TO THE ENTIRE BUILDING.

#### SOUTH BUILDING:

THE SCOPE OF WORK INCLUDES PROVIDING A NEW 500 KW GENERATOR THAT WILL PROVIDE BACKUP POWER FOR THE ENTIRE BUILDING.

### LEGEND

①	SHEET NOTE REFERENCE
Ⓛ "ELB"-2	20A, 125V DUPLEX RECEPTACLE, NEMA 5-20R, +18", UON. "ELB"-2 INDICATES PANEL "ELB" CKT 2, RED COLOR IF ON EMERGENCY CKT.
Ⓛ	GFI - GROUND FAULT PROTECTED
Ⓛ	EX - EXPLOSION PROOF
Ⓛ	CRE - CORROSION RESISTANT
Ⓛ	TL - TWIST LOCK
Ⓛ	WP - WEATHERPROOF
\$	LIGHT SWITCH +45" U.O.N.
—	NEW ELECTRICAL EQUIPMENT
—	EXISTING ELECTRICAL EQUIPMENT
////	ELECTRICAL EQUIPMENT TO BE DISCONNECTED AND REMOVED
- - -	CONDUIT RUN UNDERGROUND OR BELOW FLOOR
—	CONDUIT RUN ABOVE GRADE OR ON CEILING
—	CONDUIT RUN WITH WIRES. (↑) INDICATES GROUND, (↓) INDICATES NEUTRAL, (·) INDICATES HOT WIRES
~	FLEXIBLE METAL CONDUIT
□	EXISTING PRE CAST CONCRETE PULL BOX
□	NEW PRE CAST CONCRETE PULLBOX COVER MARKED "ELECTRICAL" SEE CALTRANS STANDARD PLAN ES-E8.
Ⓛ	MOTOR, SQUIRREL CAGE INDUCTION NUMBER IF PRESENT INDICATES HORSEPOWER
Ⓛ	CIRCUIT BREAKER, THERMAL MAGNETIC TRIP SHOWN, 3 POLE UNLESS INDICATED OTHERWISE.
Ⓛ	SWITCH - CURRENT RATING INDICATED, 3 POLE UNLESS INDICATED OTHERWISE.
Ⓛ	FUSE - RATING INDICATED
Ⓛ	SURGE ARRESTER
Ⓛ	TRANSFORMER, SECONDARY VOLTAGES, PHASE AND RATING INDICATED AS APPLICABLE PUSH-BUTTON SWITCH, MOMENTARY CONTACT, NORMALLY OPEN
30 □	NON FUSED DISCONNECT SWITCH, SIZE INDICATED, 3 POLE UNLESS INDICATED OTHERWISE.
Ⓛ OR ⊕	GROUND ELECTRODE, 5/8" x 10'-0" COPPER CLAD STEEL
RC	REMOVE AND BECOME PROPERTY OF CONTRACTOR

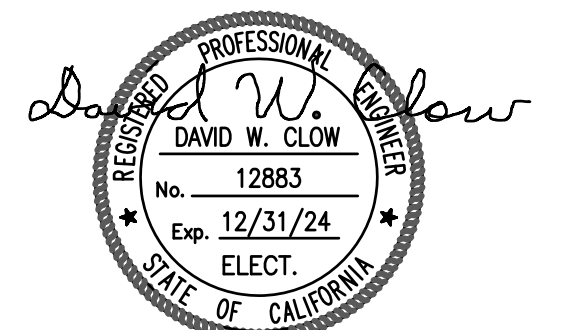


1 TRENCH DETAIL (TYP)  
NO SCALE



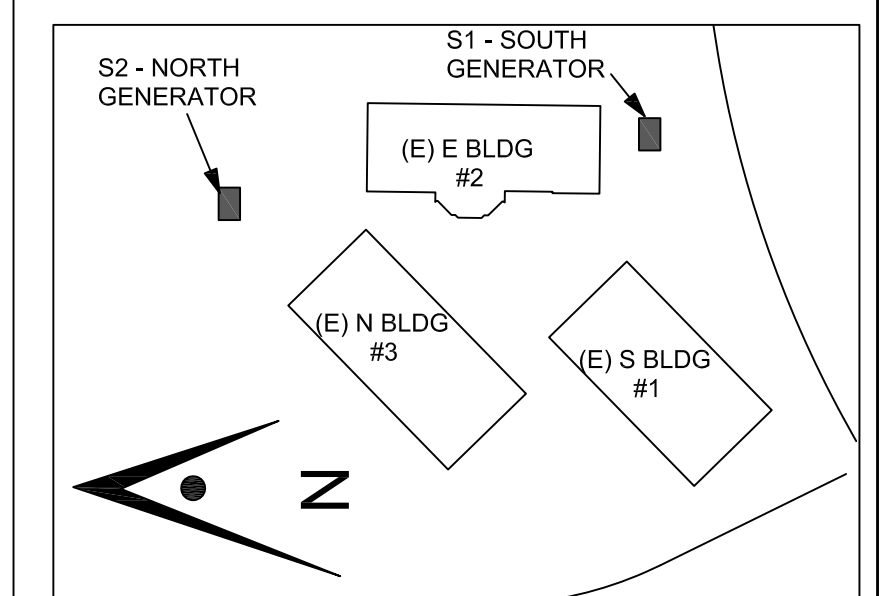
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PROJECT NO. 175-21-07 www.aec-engineers.com

#### Key Plan



#### Project Title

**BACKUP GENERATOR AT RIDDER PARK**  
1290 RIDDER PARK DRIVE, MC 254  
SAN JOSE, CA 95131  
SCCOE

No.	Description	Date
	PLANNING SUBMITTAL	5/26/22
	BUILDING SUBMITTAL	7/11/22
⚠	BUILDING RE-SUBMITTAL	3/14/23
⚠	BUILDING RE-SUBMITTAL	5/19/23

#### Drawing Title

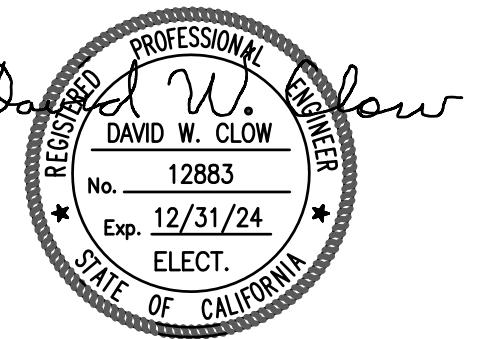
**ELECTRICAL GENERAL**

#### Architect Seal

File No.	-	Drawing No.	<b>E-1</b>
Application No.	-		
Date	01/26/23		
Project Number	06401		

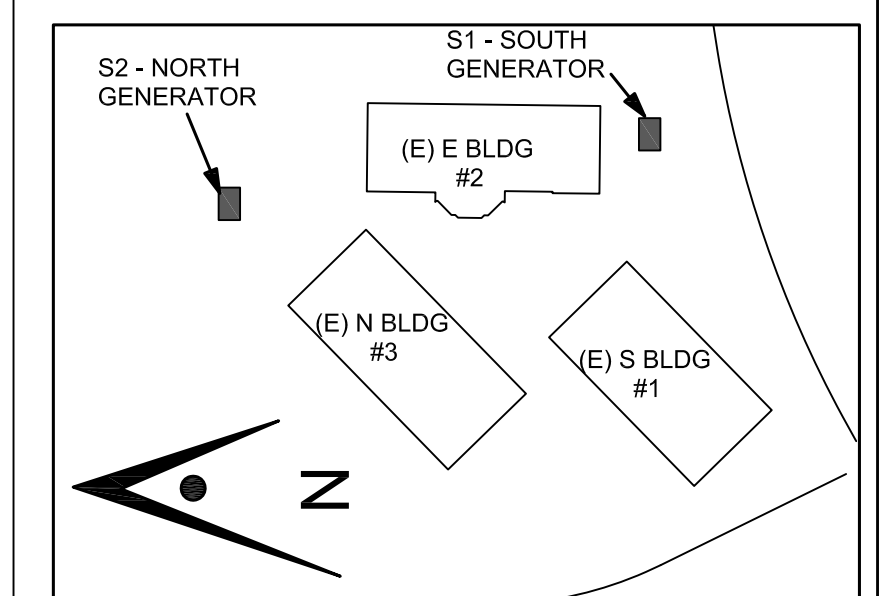


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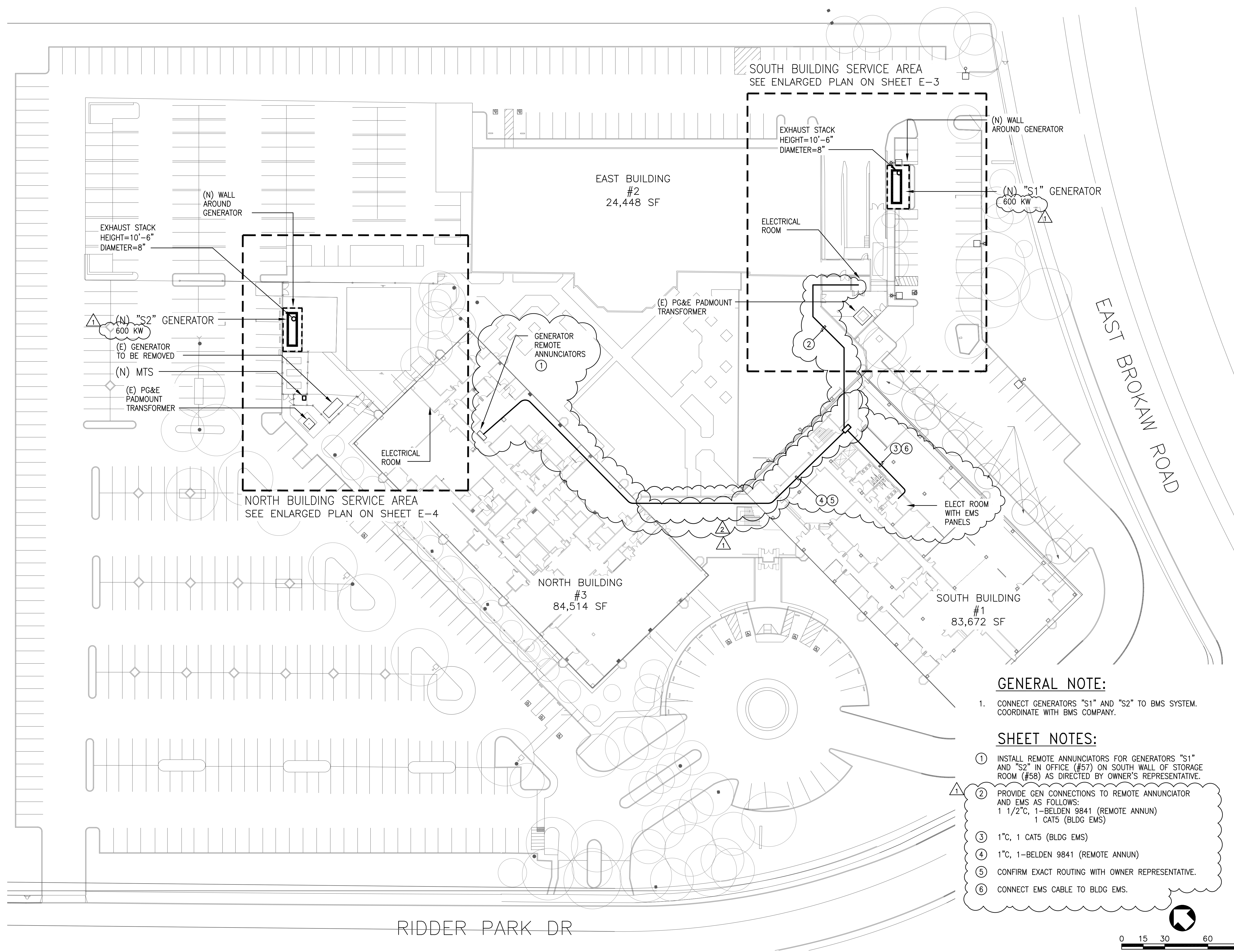
No.	Description	Date
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	BUILDING SUBMITTAL	7/11/22
▲	BUILDING RE-SUBMITTAL	3/14/23
▲	BUILDING RE-SUBMITTAL	5/19/23

Drawing Title

**ELECTRICAL SITE PLAN**

Architect Seal

File No.	Drawing No.
Application No.	<b>E-2</b>
Date	
Project Number	

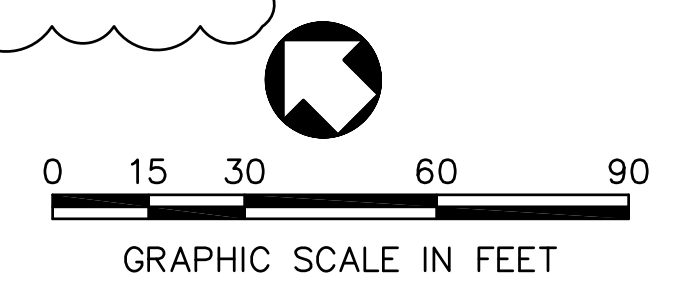


**GENERAL NOTE:**

- CONNECT GENERATORS "S1" AND "S2" TO BMS SYSTEM. COORDINATE WITH BMS COMPANY.

**SHEET NOTES:**

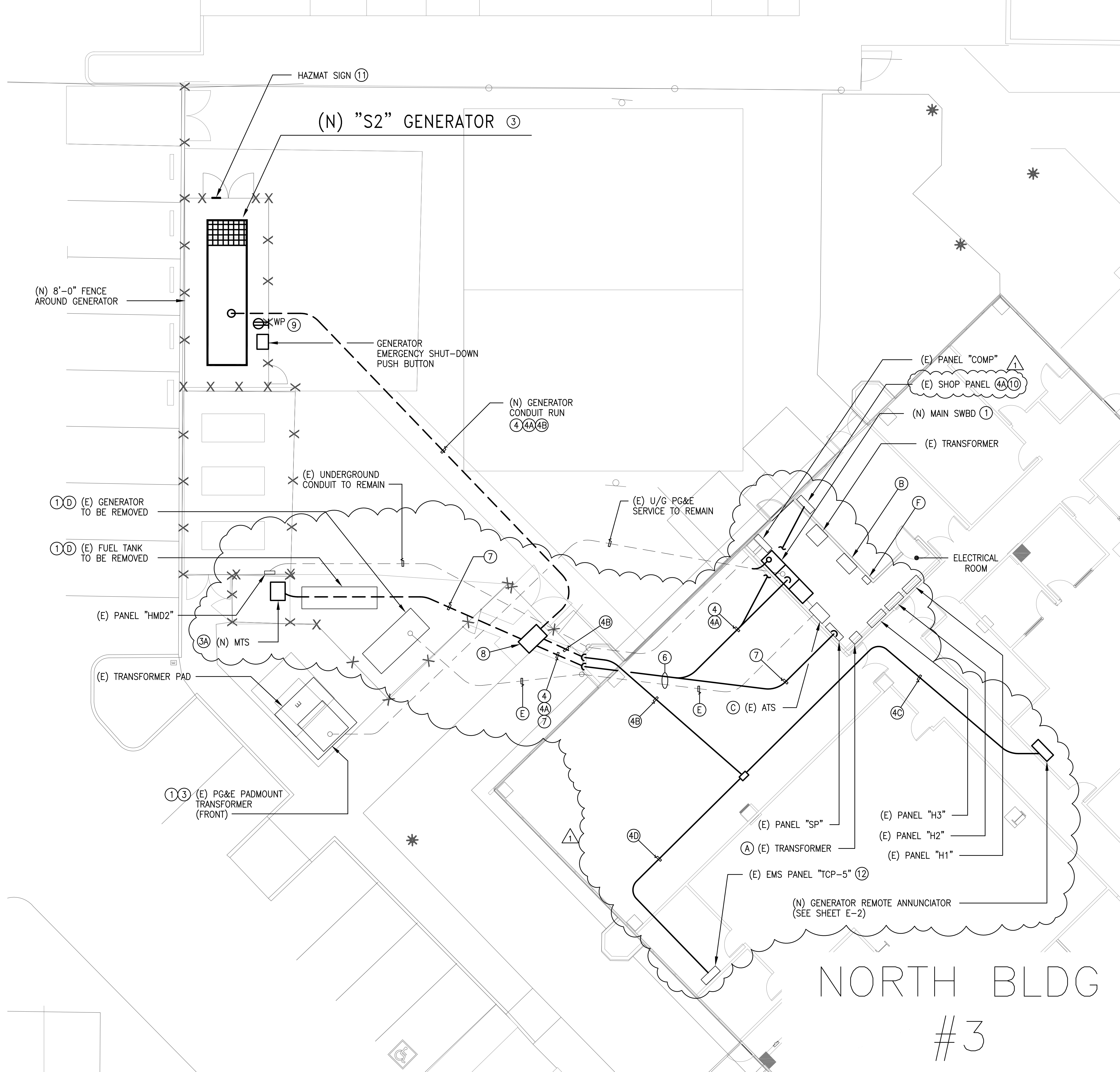
- INSTALL REMOTE ANNUNCIATORS FOR GENERATORS "S1" AND "S2" IN OFFICE (#57) ON SOUTH WALL OF STORAGE ROOM (#58) AS DIRECTED BY OWNER'S REPRESENTATIVE.
- PROVIDE GEN CONNECTIONS TO REMOTE ANNUNCIATOR AND EMS AS FOLLOWS:  
1 1/2" C, 1-BELDEN 9841 (REMOTE ANNUN)  
1 CAT5 (BLDG EMS)
- 1" C, 1 CAT5 (BLDG EMS)
- 1" C, 1-BELDEN 9841 (REMOTE ANNUN)
- CONFIRM EXACT ROUTING WITH OWNER REPRESENTATIVE.
- CONNECT EMS CABLE TO BLDG EMS.











**GENERAL NOTES:**

- ALL (E) ELECTRICAL EQUIPMENT SHALL REMAIN IN PLACE, UON.
- SEAL ALL CONDUIT OPENING AS SHOWN IN DETAILS ON SHEET E-8.
- THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES BEFORE EXCAVATION.

**DEMOLITION NOTES:**

- UN-USED (E) 25 KVA TRANSFORMER AND ASSOCIATED CONDUIT AND WIRES. INSTALL PULL BOX FOR CONDUCTORS PER NOTE (4B).
- UN-USED (E) 150 KVA TRANSFORMER AND ASSOCIATED CONDUIT AND WIRES.
- (E) GENERAC 600A ATS AFTER THE (N) GENERATOR IS INSTALLED AND OPERATING.
- (E) GENERATOR AND (E) FUEL TANK AFTER THE (N) GENERATOR IS INSTALLED AND OPERATING.
- DISCONNECT AND REMOVE (E) GENERATOR WIRING WHEN NO LONGER NEEDED. REMOVE ABOVE GRADE CONDUIT AND ELECTRICAL EQUIPMENT NO LONGER NEEDED.
- UNUSED BYPASS CB AND ASSOCIATED CONDUIT.

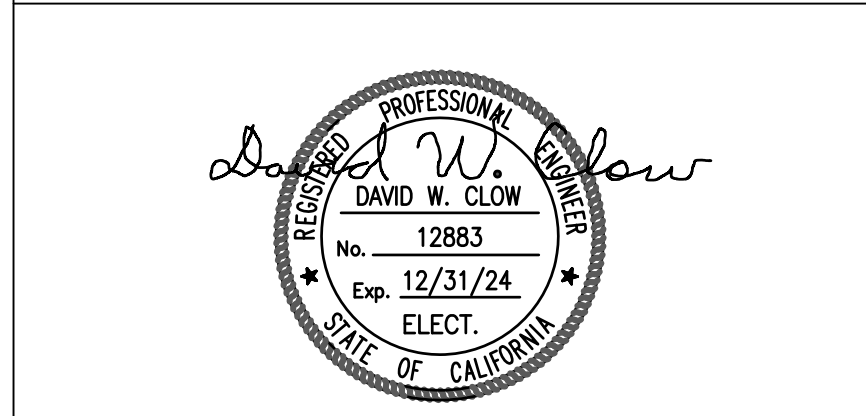
**SHEET NOTES:**

- COORDINATE A POWER SHUTDOWN WITH PG&E AND OWNER REPRESENTATIVE.  
USE (E) GENERATOR TO PROVIDE TEMPORARY POWER TO (E) PANEL "EM" AND DATA CENTER.  
DISCONNECT THE (E) PG&E SERVICE CABLES AND ALL OTHER FEEDER CABLES FROM (E) MSB.  
[RC] (E) IEM SWBD AND INSTALL A NEW SWBD IN THE SAME LOCATION. SEE SHEET E-5 AND E-9 FOR WORK REQUIRED.  
RECONNECT ALL THE (E) CABLES TO (N) MSB.
- NOT USED.
- INSTALL (N) 600 KW GENERATOR ON CONCRETE PAD.
- INSTALL (N) 600A MTS ON CONCRETE PAD.
- PROVIDE 24" WIDE TRENCH WITH THE FOLLOWING:  
3-4"C WITH CONDUCTORS PER NOTE (4) ON SHEET E-5.  
1-1/2"C, 2#10 (GEN START)
- 1-1/2"C, 3#4 (GEN PANEL)  
1#8 (C)
- 1-1/2"C, 1 - BELDEN 9841 (REMOTE ANNUN)  
1 - CAT5 (BLDG EMS)
- 1"C, 1 - BELDEN 9841 (REMOTE ANNUN)
- 1"C, 1 - CAT5 (BLDG EMS)
- COORDINATE WITH PG&E TO RE-CONNECT THE ELECTRIC SERVICE.
- INSTALL CONDUIT RUNS IN CEILING SPACE.
- INSTALL 2 SETS FEEDERS PER NOTE (5) ON SHEET E-5. SEE SINGLE LINE DIAGRAM ON SHEET E-6.
- INSTALL TRAFFIC RATED PULL BOX WITH INSIDE DIMENSIONS ±36"x60"x42" DEEP AND SLIP RESISTANT COVER, MARKED "ELECTRICAL". PG&E CODE 02-5604 COVER AND 04-3361 VAULT.
- SEE NOTE (9) ON SHEET E-3.
- [RC] UNUSED CB'S AND INSTALL NEW 70A/2P FOR GEN ACCESSORIES PANEL.
- PROVIDE 16"x16" ALUMINUM HAZARD SIGN. SEE ARCH PLANS.
- [RC] (E) GEN ANNUN AND CONNECT (N) EMS CABLE TO EMS PANEL "TCP-5"



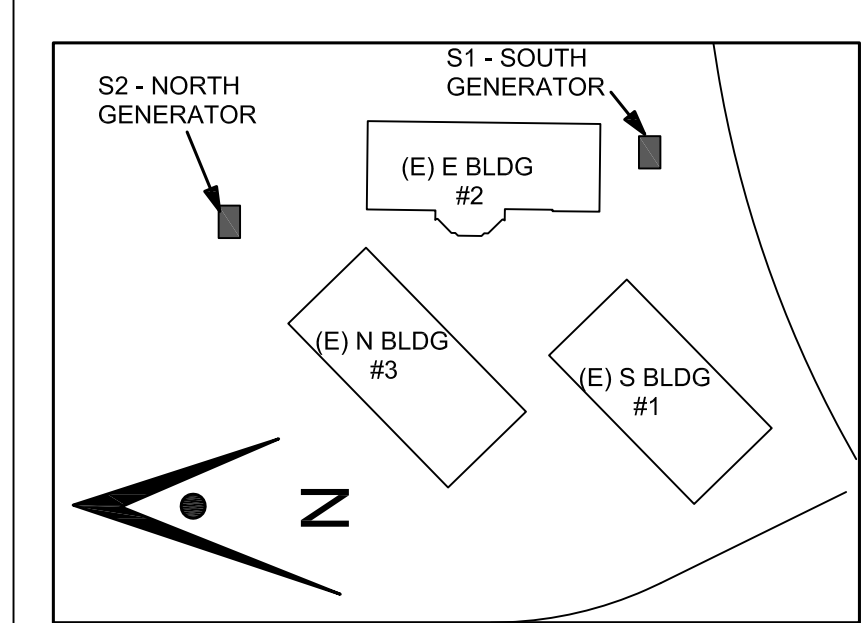
394-A Umbarger Rd  
San Jose, CA 95111  
Phone 408.224.9890  
Fax 408.224.9891  
www.Artika3.com

**CONSULTANT'S STAMP**



**AEC Alliance Engineering Consultants, Inc.**  
4701 Patrick Henry Drive, Bldg. 10 Santa Clara, CA 95054  
phone (408) 970-9888 fax (408) 970-9316  
PROJECT NO. 175-21-07 www.aec-engineers.com

**Key Plan**



**Project Title**

**BACKUP GENERATOR AT RIDDER PARK**  
1290 RIDDER PARK DRIVE, MC 254  
SAN JOSE, CA 95131  
SCCOE

No.	Description	Date
	PLANNING SUBMITTAL	5/26/22
	BUILDING SUBMITTAL	7/11/22
▲	BUILDING RE-SUBMITTAL	3/14/23
▲	BUILDING RE-SUBMITTAL	5/19/23

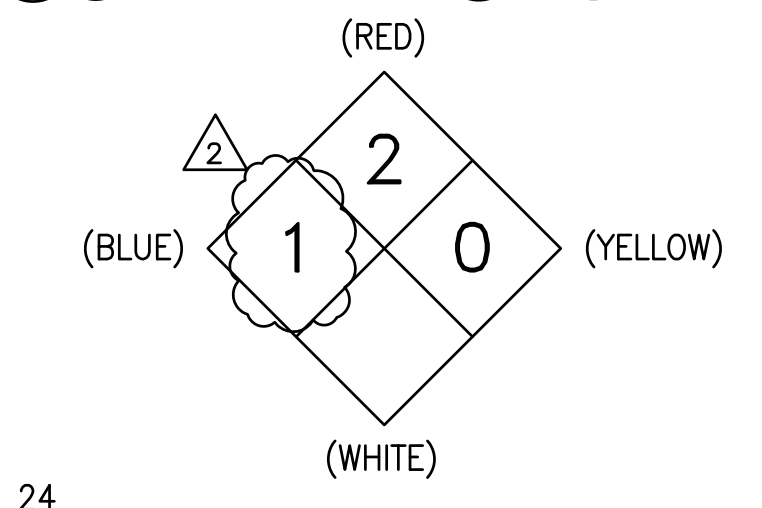
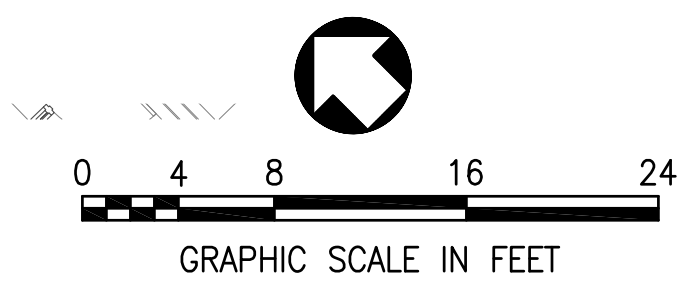
**Drawing Title**

**ENLARGED PLAN - NORTH BLDG #3 SERVICE**

**Architect Seal**

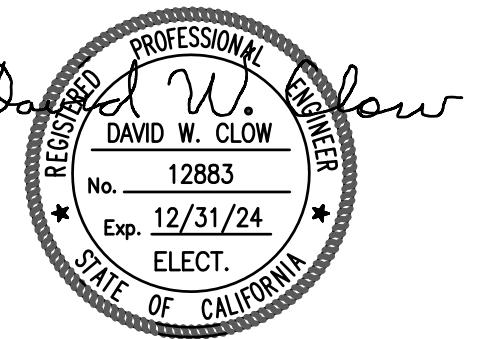
<b>File No.</b>	-	<b>Drawing No.</b>	<b>E-4</b>
<b>Application No.</b>	-		
<b>Date</b>	01/26/23		
<b>Project Number</b>	06401		

**1 ENLARGED PLAN - NORTH BUILDING**  
SCALE: 1/8"=1'-0"



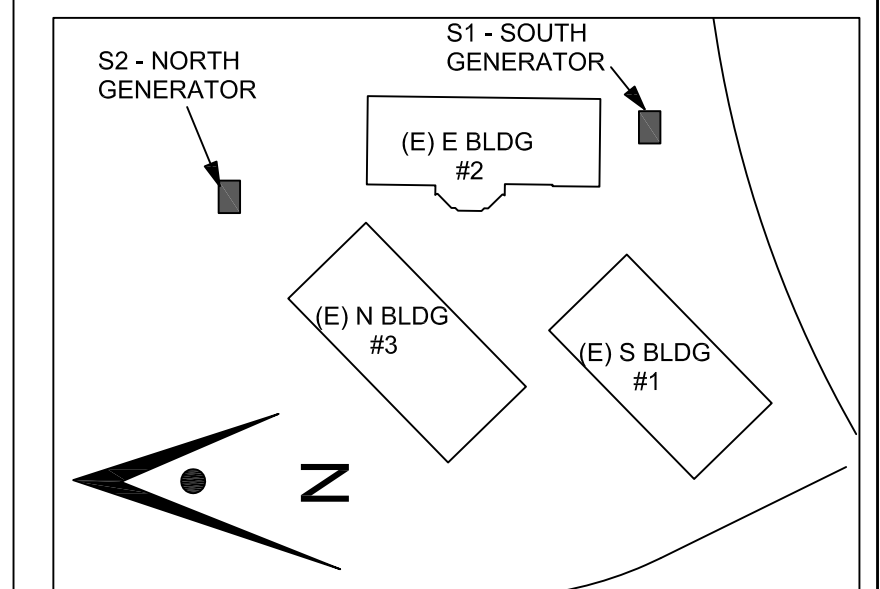


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Engineering  
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Santa Clara, CA 95054 fax (408) 970-9316  
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Key Plan



Project Title

**BACKUP GENERATOR  
AT RIDDER PARK**  
1290 RIDDER PARK DRIVE, MC 254  
SAN JOSE, CA 95131  
SCCOE

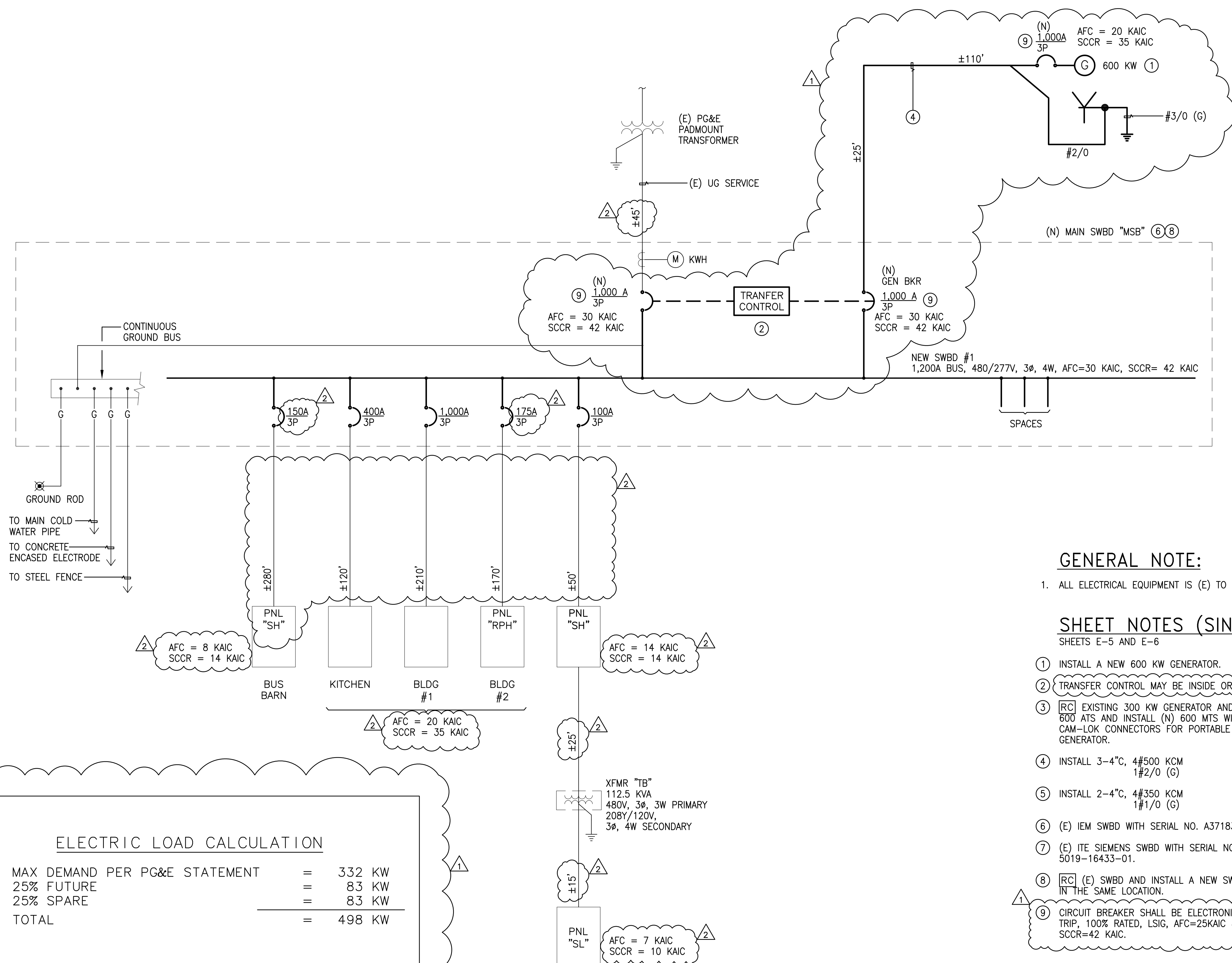
No.	Description	Date
	PLANNING SUBMITTAL	5/26/22
	BUILDING SUBMITTAL	7/11/22
△	BUILDING RE-SUBMITTAL	3/14/23
△	BUILDING RE-SUBMITTAL	5/19/23

Drawing Title

**SINGLE LINE DIAGRAM  
BLDG #1**

Architect Seal

File No.	-	Drawing No.	<b>E-5</b>
Application No.	-		
Date	01/26/23		
Project Number	06401		



GENERAL NOTE:

- ALL ELECTRICAL EQUIPMENT IS (E) TO REMAIN, UON.

SHEET NOTES (SINGLE LINE DIAGRAMS):

SHEETS E-5 AND E-6

- INSTALL A NEW 600 KW GENERATOR.
- TRANSFER CONTROL MAY BE INSIDE OR OUTSIDE SWBD.
- EXISTING 300 KW GENERATOR AND 600 ATS AND INSTALL (N) 600 MTS WITH CAM-LOK CONNECTORS FOR PORTABLE GENERATOR.
- INSTALL 3-4"C, 4#500 KCM 1#2/0 (G)
- INSTALL 2-4"C, 4#350 KCM 1#1/0 (G)
- (E) IEM SWBD WITH SERIAL NO. A371832.
- (E) ITE SIEMENS SWBD WITH SERIAL NO. 5019-16433-01.
- EXISTING (E) SWBD AND INSTALL A NEW SWBD IN THE SAME LOCATION.
- CIRCUIT BREAKER SHALL BE ELECTRONIC TRIP, 100% RATED, LSIG, AFC=25KAIC & SCCR=42 KAIC.

**ELECTRIC LOAD CALCULATION**

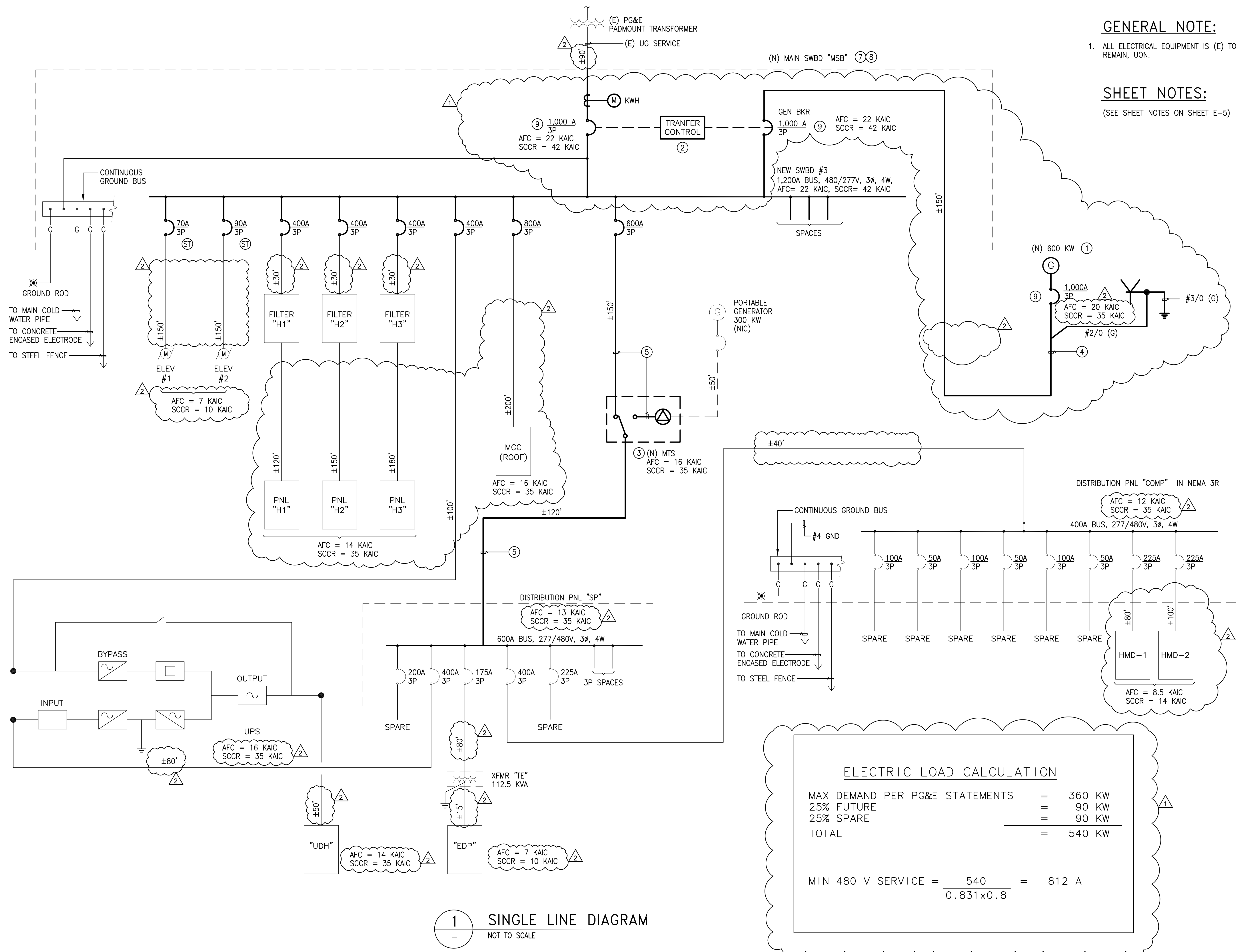
MAX DEMAND PER PG&E STATEMENT	=	332 KW
25% FUTURE	=	83 KW
25% SPARE	=	83 KW
<b>TOTAL</b>	<b>=</b>	<b>498 KW</b>

MIN 480 V SERVICE =  $\frac{498}{0.831 \times 0.8} = 749 \text{ A}$

**1 SINGLE LINE DIAGRAM**  
NOT TO SCALE



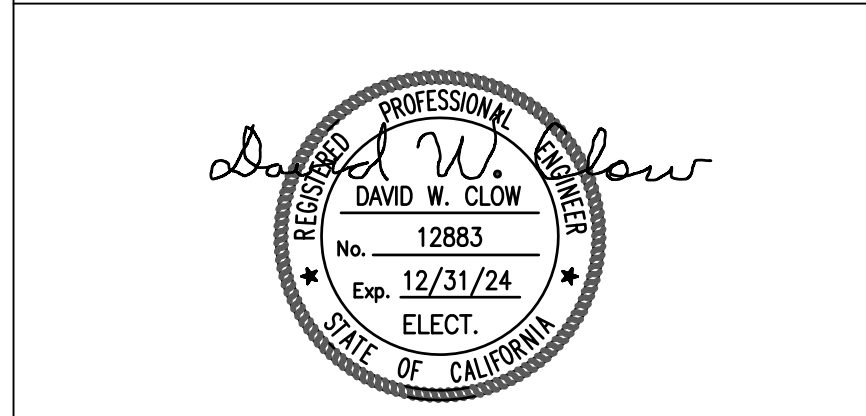


**GENERAL NOTE:**  
 1. ALL ELECTRICAL EQUIPMENT IS (E) TO REMAIN, UON.

**SHEET NOTES:**  
 (SEE SHEET NOTES ON SHEET E-5)

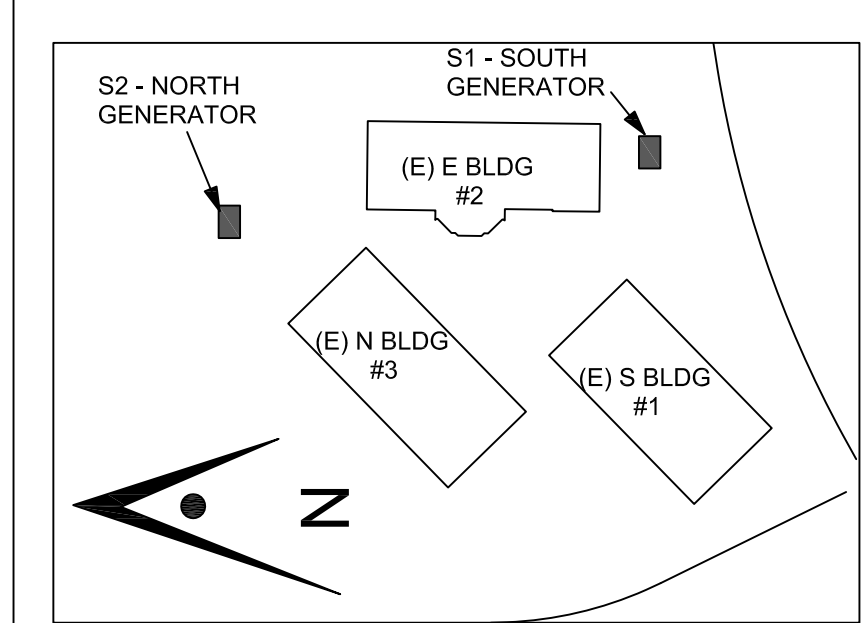
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 PROJECT NO. 175-21-07 www.aec-engineers.com

**Key Plan**



**Project Title**

**BACKUP GENERATOR AT RIDDER PARK**  
 1290 RIDDER PARK DRIVE, MC 254  
 SAN JOSE, CA 95131  
 SCCOE

No.	Description	Date
	PLANNING SUBMITTAL	5/26/22
	BUILDING SUBMITTAL	7/11/22
▲	BUILDING RE-SUBMITTAL	3/14/23
▲	BUILDING RE-SUBMITTAL	5/19/23

**Drawing Title**

**SINGLE LINE DIAGRAM BLDG #3**

**Architect Seal**

File No. -  
 Application No. -  
 Date 01/26/23  
 Project Number 06401

Drawing No. **E-6**

**ELECTRIC LOAD CALCULATION**

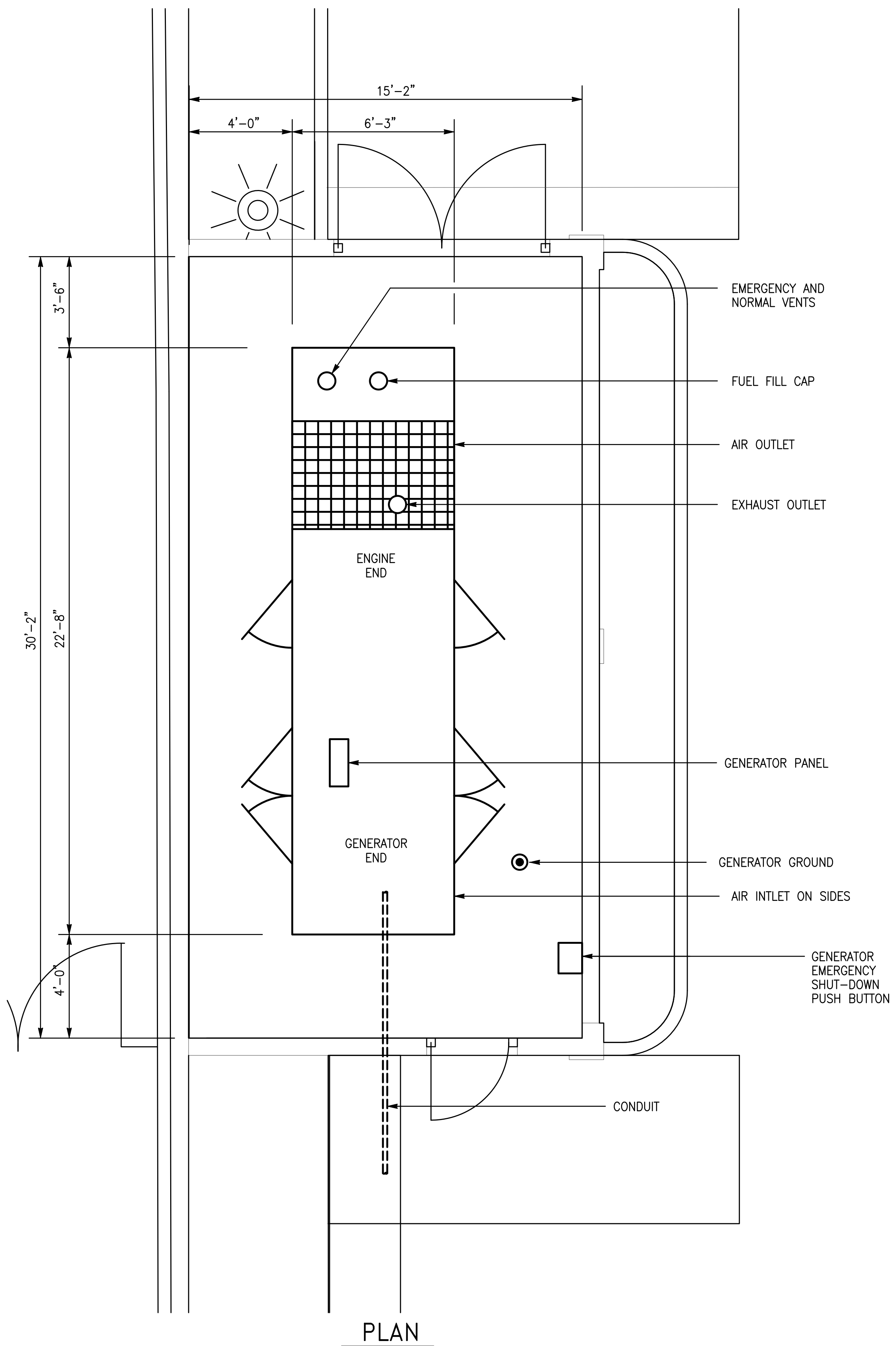
MAX DEMAND PER PG&E STATEMENTS	=	360 KW
25% FUTURE	=	90 KW
25% SPARE	=	90 KW
<b>TOTAL</b>	<b>=</b>	<b>540 KW</b>

MIN 480 V SERVICE =  $\frac{540}{0.831 \times 0.8} = 812 A$

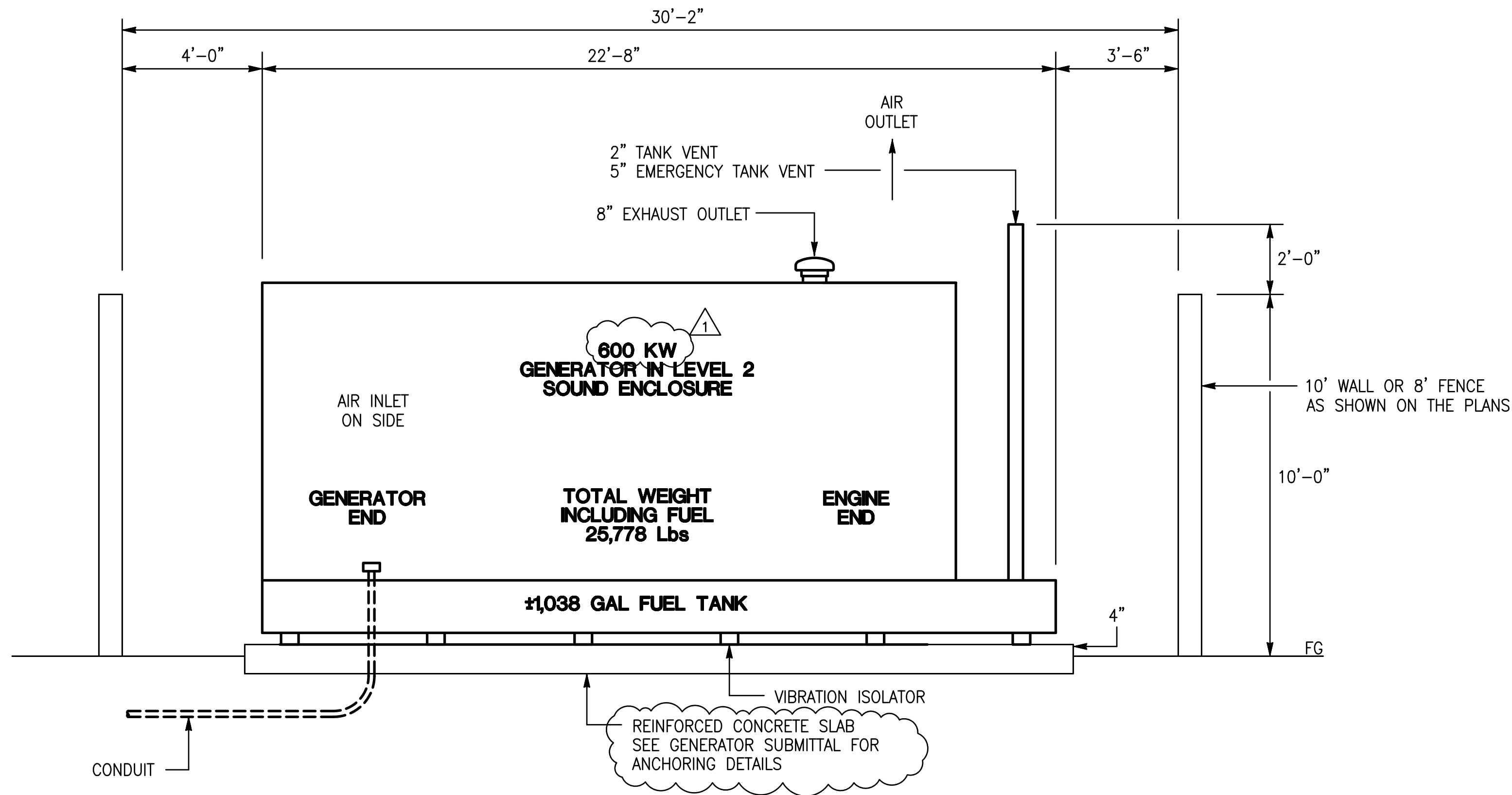
**1 SINGLE LINE DIAGRAM**  
 NOT TO SCALE





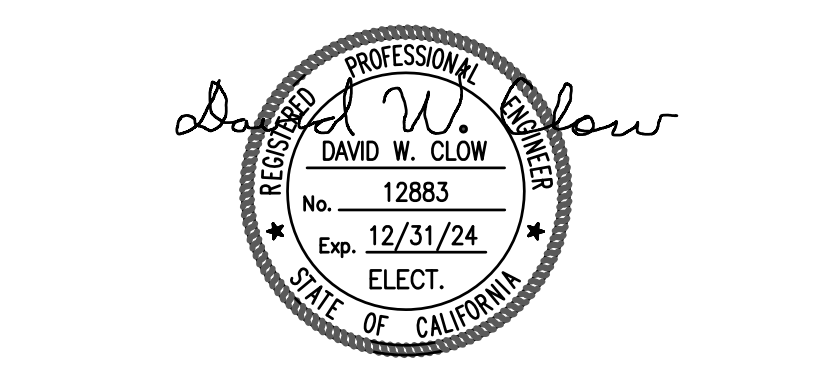
**GENERAL NOTES:**

- SOUTH GENERATOR IS SHOWN. NORTH GENERATOR IS SIMILAR EXCEPT THERE IS 8'-0" FENCE INSTEAD OF 10'-0" WALL.
- SEE ARCHITECTURAL PLANS FOR EXACT LAYOUT AND DIMENSIONS.



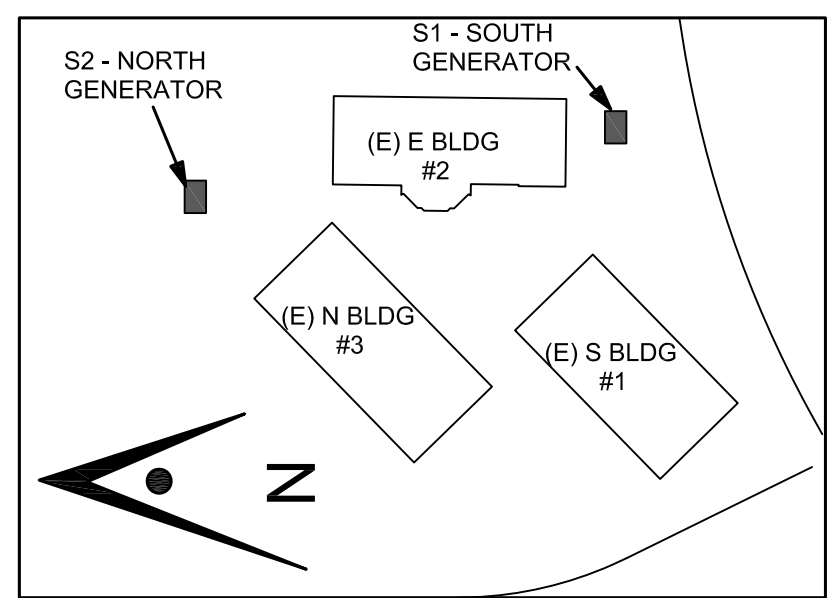
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Key Plan



Project Title

**BACKUP GENERATOR AT RIDDER PARK**  
 1290 RIDDER PARK DRIVE, MC 254  
 SAN JOSE, CA 95131  
 SCCOE

No.	Description	Date
	PLANNING SUBMITTAL	5/26/22
	BUILDING SUBMITTAL	7/11/22
1	BUILDING RE-SUBMITTAL	3/14/23
2	BUILDING RE-SUBMITTAL	5/19/23

Drawing Title

**GENERATOR DETAILS**

Architect Seal

File No.	-	Drawing No.	<b>E-7</b>
Application No.	-		
Date	01/26/23		
Project Number	06401		

1 "S1" AND "S2" GENERATOR DETAILS  
 SCALE: 3/8"=1'-0"  
 SEE GENERAL NOTES:



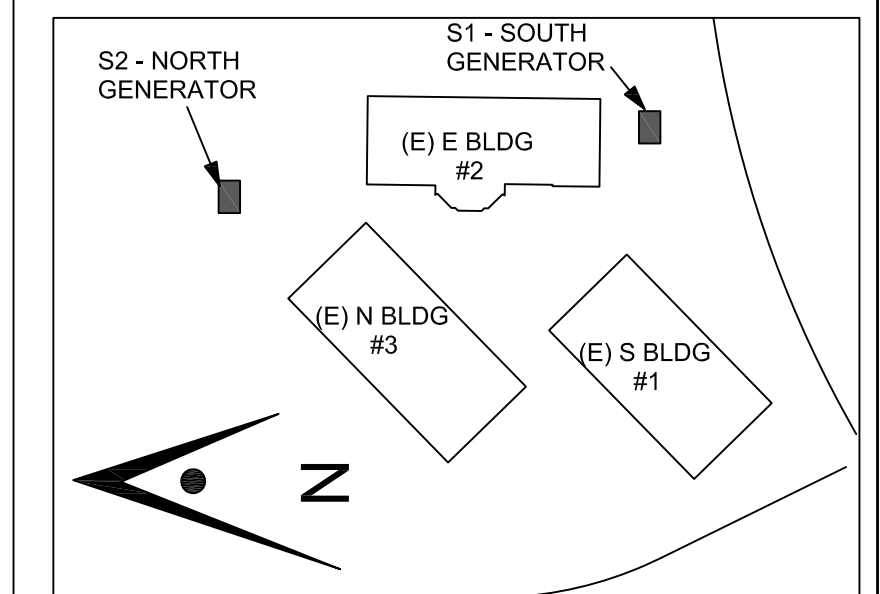
**SHEET NOTE:**

- ① [RC] EXISTING MAIN SWITCHBOARD AND INSTALL NEW MAIN SWITCHBOARD IN THE SAME LOCATION. SEE PLANS FOR DETAILS.
- ② CIRCUIT BREAKERS WITH ELECTRICAL OPERATORS, THE PLC AND PROGRAMMED TRANSFER CONTROLS MAY BE LOCATED IN A SEPARATE CABINET.

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**AE** Alliance Engineering Consultants, Inc.  
4701 Patrick Henry Drive, Bldg. 10 Santa Clara, CA 95054 phone (408) 970-9888 fax (408) 970-9316  
PROJECT NO. 175-21-07 www.aec-engineers.com

**Key Plan**



**Project Title**

**BACKUP GENERATOR AT RIDDER PARK**  
1290 RIDDER PARK DRIVE, MC 254  
SAN JOSE, CA 95131  
SCCOE

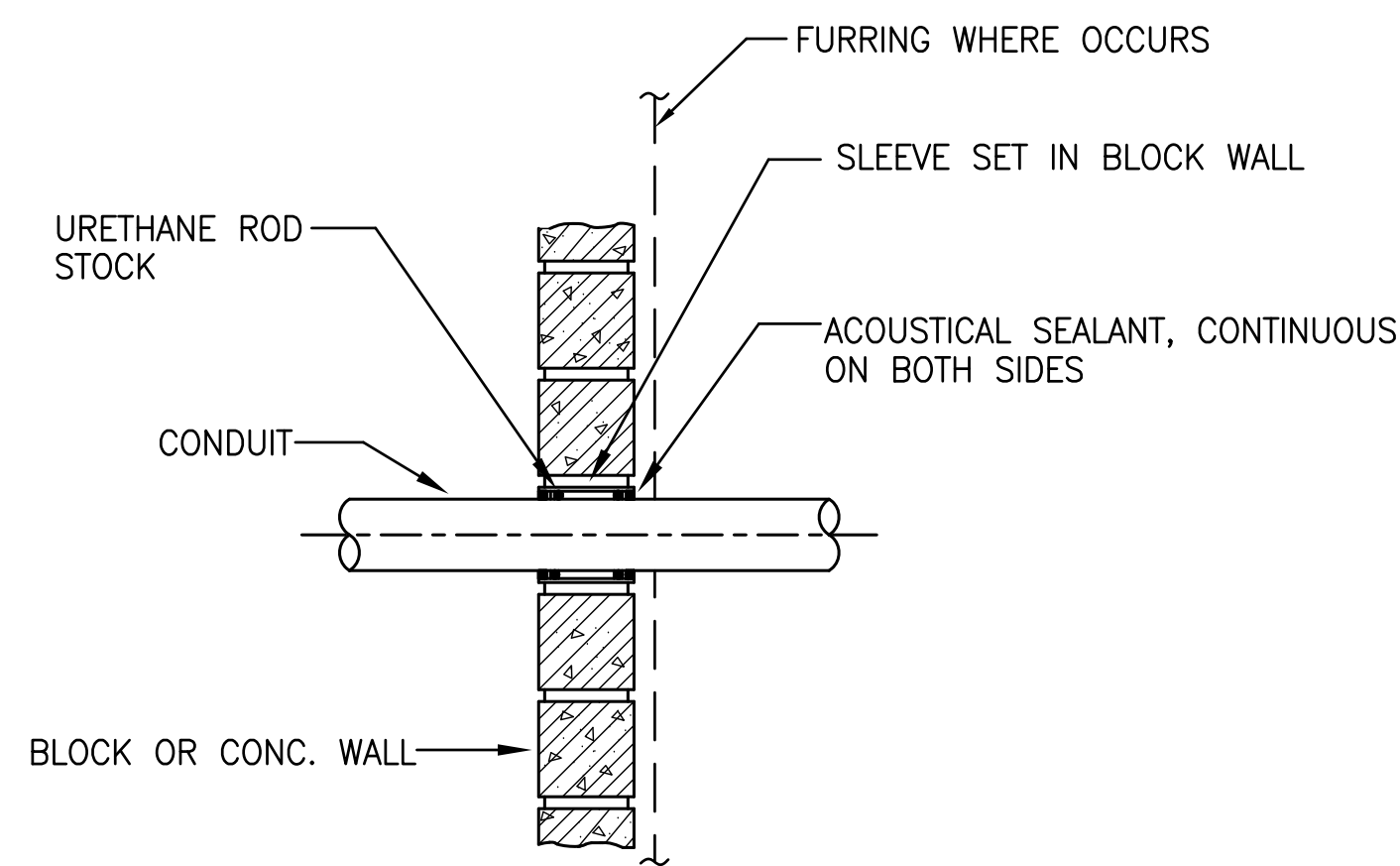
No.	Description	Date
	PLANNING SUBMITTAL	5/26/22
	BUILDING SUBMITTAL	7/11/22
⚠	BUILDING RE-SUBMITTAL	3/14/23
⚠	BUILDING RE-SUBMITTAL	5/19/23

**Drawing Title**

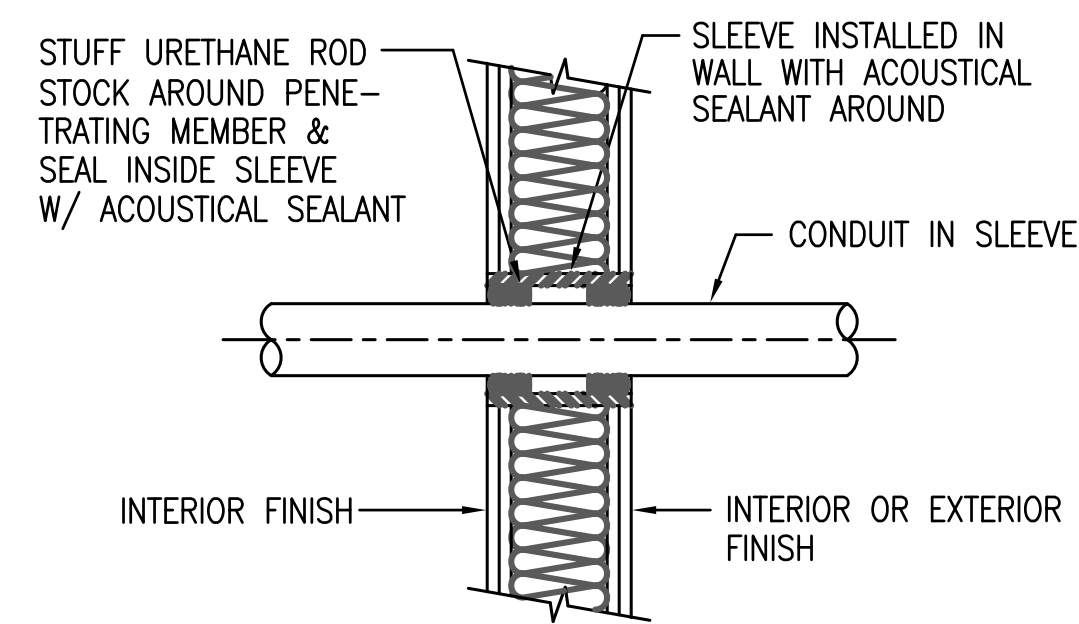
**SWITCHBOARD DETAILS BUILDING #1**

**Architect Seal**

<b>File No.</b>	-	<b>Drawing No.</b>	⚠ E-8
<b>Application No.</b>	-	<b>Date</b>	01/26/23
<b>Project Number</b>	06401		



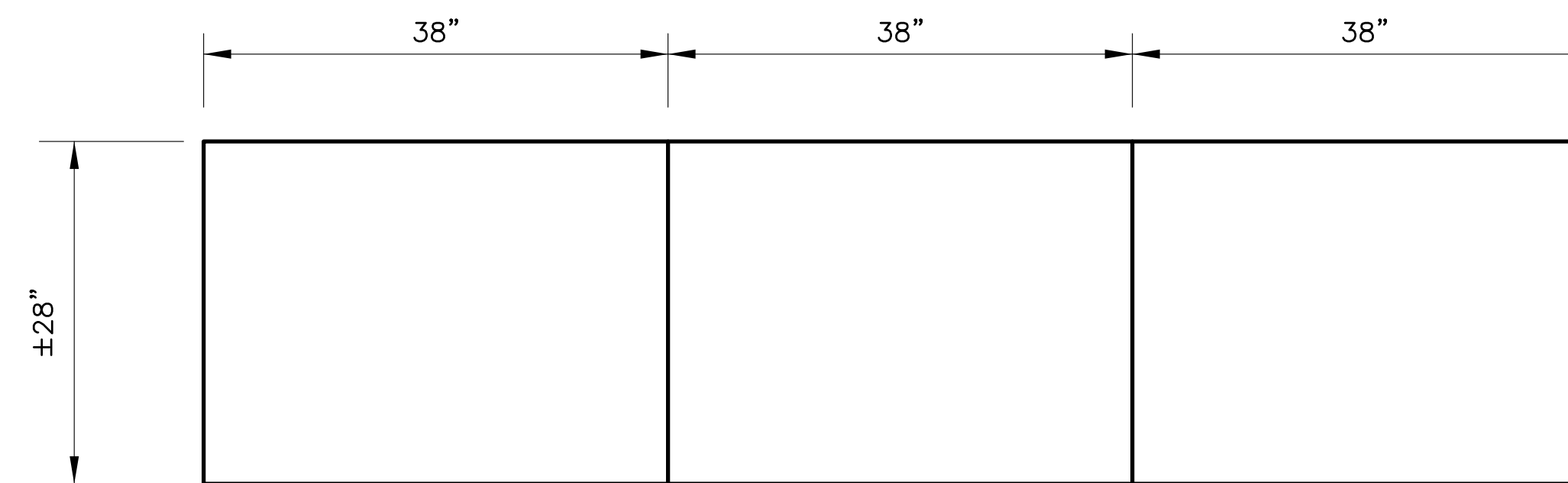
**BLOCK OR CONCRETE WALL**



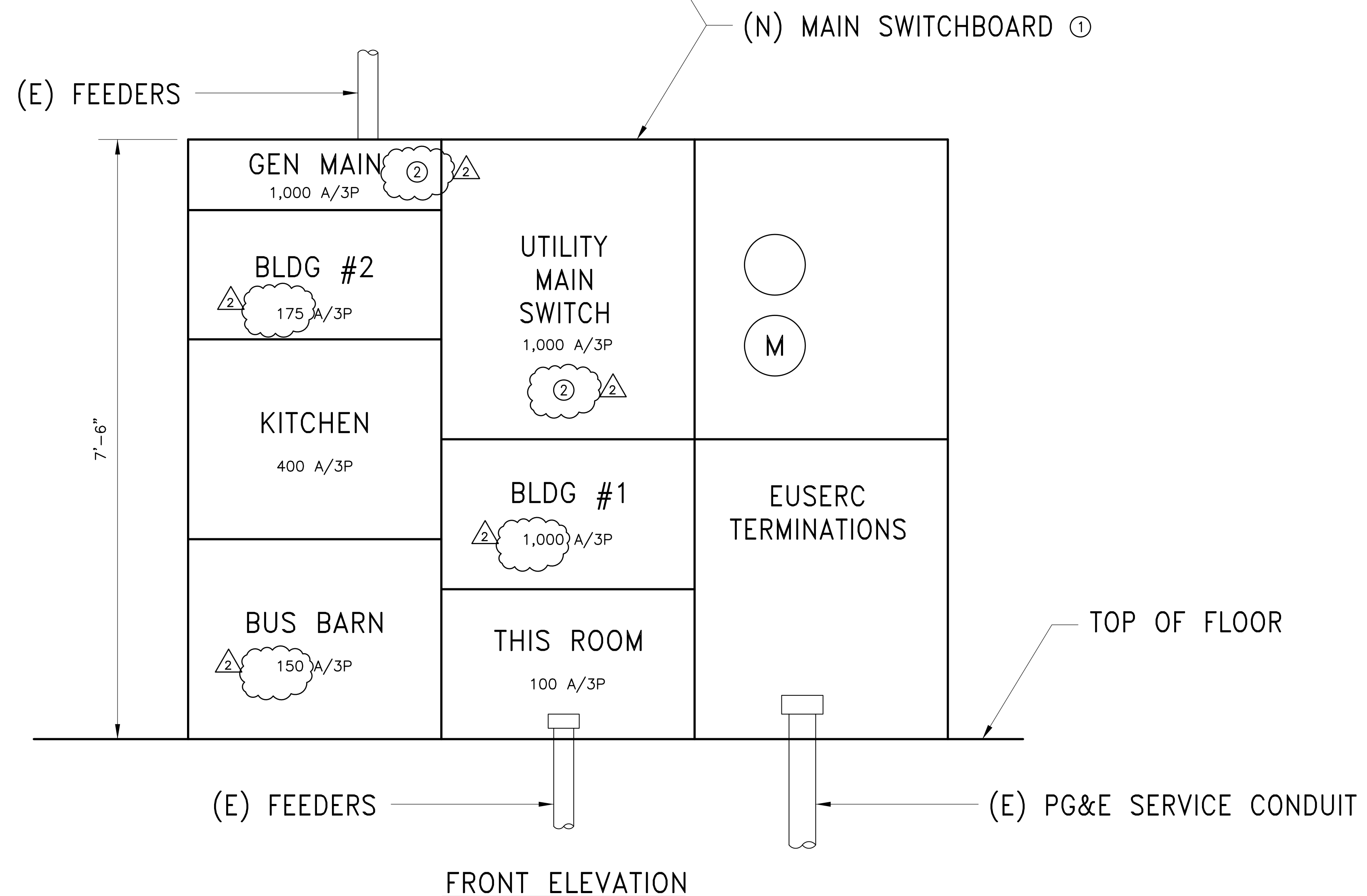
NOTE: PATCH AND FINISH TO MATCH (E)

THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTM E-814 (UL1479) FIRE TEST AND UL THROUGH PENETRATION FIRESTOP SYSTEM #WL1001.

**STUDWALL**



**PLAN**



**FRONT ELEVATION**

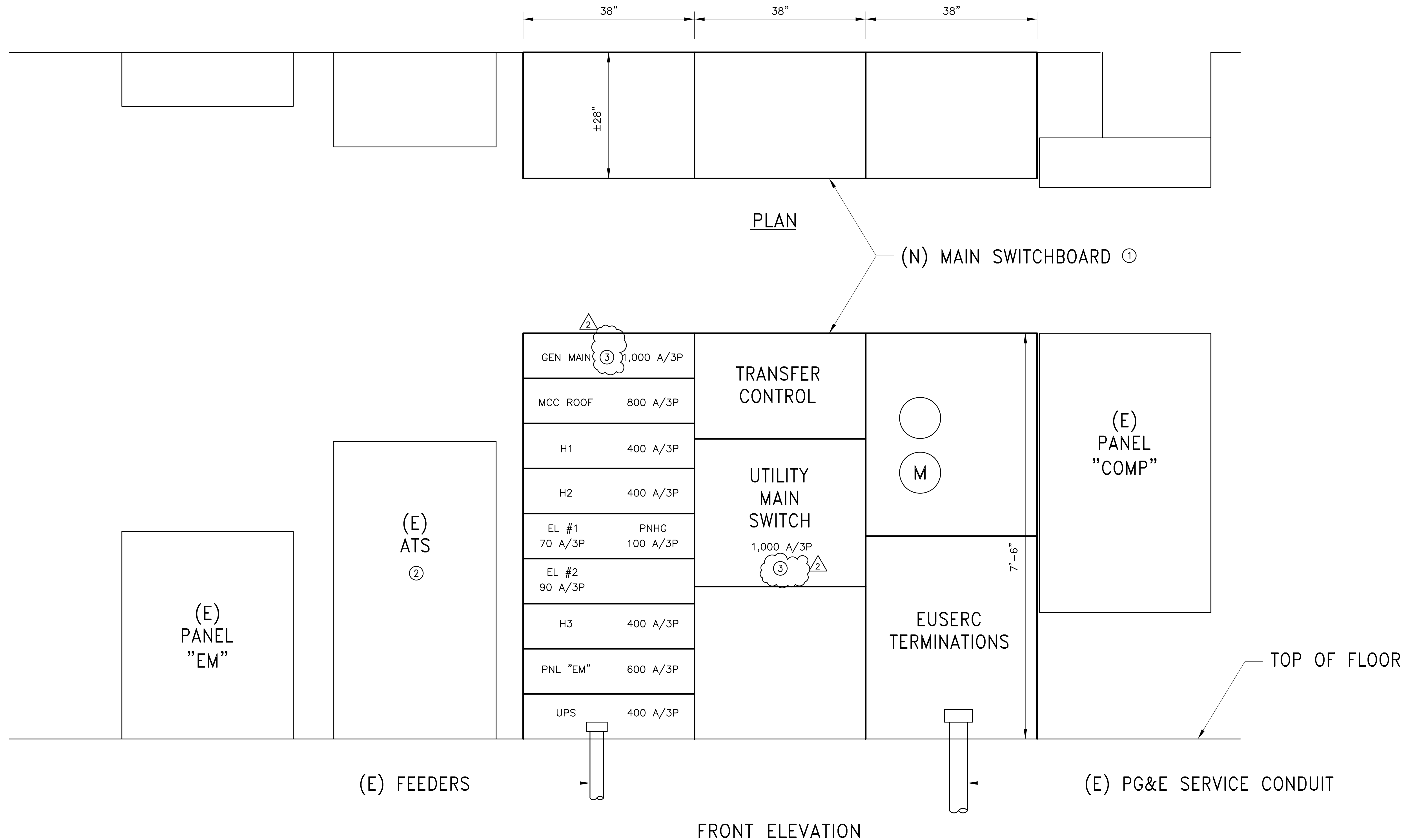
① SOUTH BUILDING #1 - MAIN SWITCHBOARD  
NOT TO SCALE

② TYPICAL CONDUIT WALL PENETRATION DETAILS  
NOT TO SCALE



**SHEET NOTES:**

- ① [RC] EXISTING MAIN SWITCHBOARD AND INSTALL NEW MAIN SWITCHBOARD IN THE SAME LOCATION. SEE PLANS FOR DETAILS.
- ② EXISTING ATS SHALL REMAIN IN OPERATION UNTIL THE NEW PROGRAMMED TRANSFER CONTROL IS COMMISSIONED AND IN OPERATION AND THEN REMOVE.
- ③ CIRCUIT BREAKERS WITH ELECTRICAL OPERATORS.

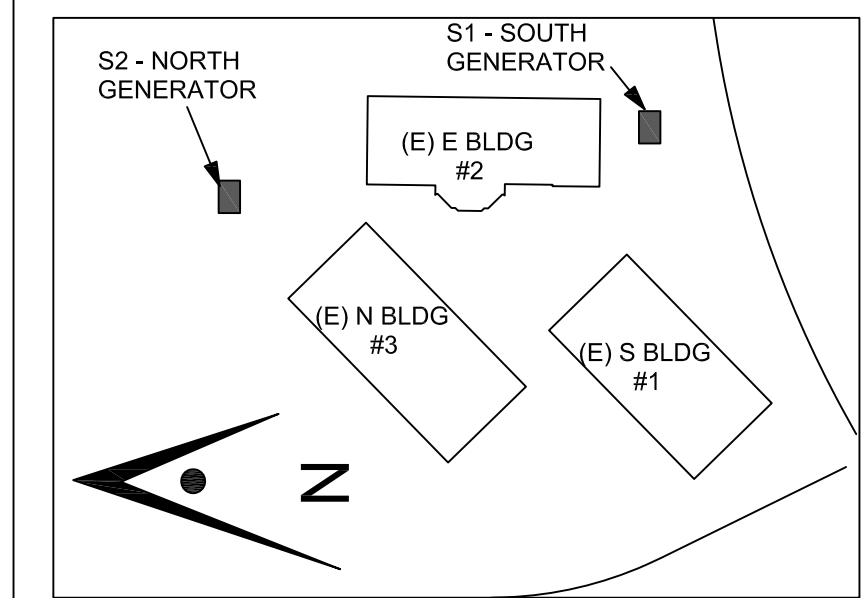


① NORTH BUILDING #3 - MAIN SWITCHBOARD  
- NOT TO SCALE

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4701 Patrick Henry Drive, Bldg. 10 Santa Clara, CA 95054 phone (408) 970-9888 fax (408) 970-9316  
PROJECT NO. 175-21-07 www.aec-engineers.com

**Key Plan**



**Project Title**

**BACKUP GENERATOR AT RIDDER PARK**  
1290 RIDDER PARK DRIVE, MC 254  
SAN JOSE, CA 95131  
SCCOE

No.	Description	Date
	PLANNING SUBMITTAL	5/26/22
	BUILDING SUBMITTAL	7/11/22
△	BUILDING RE-SUBMITTAL	3/14/23
△	BUILDING RE-SUBMITTAL	5/19/23

**Drawing Title**

**SWITCHBOARD DETAILS  
BUILDING #3**

**Architect Seal**

<b>File No.</b>	-	<b>Drawing No.</b>	E-9
<b>Application No.</b>	-		
<b>Date</b>	01/26/23		
<b>Project Number</b>	06401		



May 15, 2023

AEC Engineers  
Attn: Dave & Sudha

**Re: Fault Current Request for 1290 Ridder Park Dr, San Jose – North Building**

To Whom It May Concern,

This letter is regarding your recent request about the available short circuit duty at the above location. The available short circuit duty from the PG&E system will not exceed 22,000 Amperes 3 phase RMS symmetrical.

These short circuit duty calculations include the following conditions:

1. The secondary service voltage of 277/480 Volt, 3-Phase, 4 Wire from PG&E.
2. The building's ultimate electric demand reaches but does not exceed present main switch size of 1200 amps and the service length will be no greater than approximately 90' feet.

Any increase in the power main switch over which we have no control would change this calculated value, and the 22,000 Amperes short circuit duty would no longer be valid.

If you have any questions, please call me at (408) 598-6987

Sincerely,

*Daniel Wong*

Daniel Wong  
Senior New Business Representative

308 Stockton Avenue, San Jose, CA 95126 | 408-299-9500 Main | 408-299-9509 Fax  
Public



May 15, 2023

AEC Engineers  
Attn: Dave & Sudha

**Re: Fault Current Request for 1290 Ridder Park Dr, San Jose – South Building**

To Whom It May Concern,

This letter is regarding your recent request about the available short circuit duty at the above location. The available short circuit duty from the PG&E system will not exceed 30,000 Amperes 3 phase RMS symmetrical.

These short circuit duty calculations include the following conditions:

1. The secondary service voltage of 277/480 Volt, 3-Phase, 4 Wire from PG&E.
2. The building's ultimate electric demand reaches but does not exceed present main switch size of 1200 amps and the service length will be no greater than approximately 45' feet.

Any increase in the power main switch over which we have no control would change this calculated value, and the 30,000 Amperes short circuit duty would no longer be valid.

If you have any questions, please call me at (408) 598-6987

Sincerely,

*Daniel Wong*

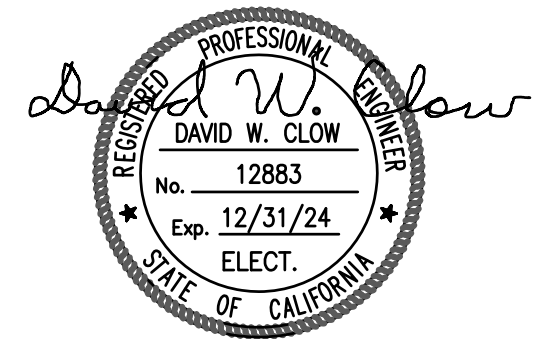
Daniel Wong  
Senior New Business Representative

308 Stockton Avenue, San Jose, CA 95126 | 408-299-9500 Main | 408-299-9509 Fax  
Public



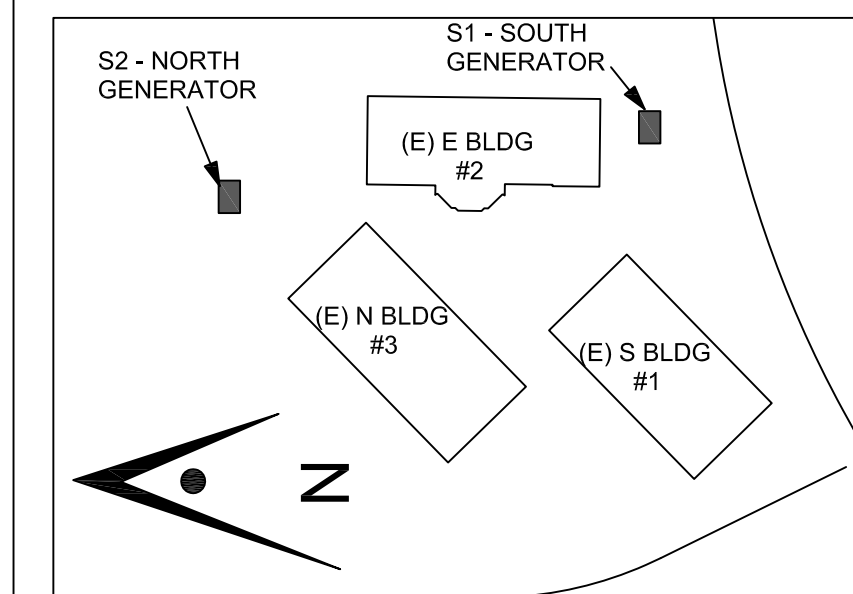
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Key Plan



Project Title

**BACKUP GENERATOR  
AT RIDDER PARK**  
1290 RIDDER PARK DRIVE, MC 254  
SAN JOSE, CA 95131  
SCCOE

No.	Description	Date
	PLANNING SUBMITTAL	5/26/22
	BUILDING SUBMITTAL	7/11/22
⚠	BUILDING RE-SUBMITTAL	3/14/23
⚠	BUILDING RE-SUBMITTAL	5/19/23

Drawing Title

**PG&E  
SHORT CIRCUIT LETTERS**

Architect Seal

File No.	-	Drawing No.  <b>E-10</b>
Application No.	-	
Date	01/26/23	
Project Number	06401	