EL MONTE UNION HIGH SCHOOL DISTRICT

SOUTH EL MONTE HIGH SCHOOL - NEW GREENHOUSE

DSA SUBMITTAL

DSA FILE NO.: 19-H10 V2 **PTN. : 64519-108** **DSA APPLICATION NO.: 03-122087**

PROJECT DIRECTORY

OWNER	EL MONTE UNION HIGH SCHOOL DISTRICT 3537 JOHNSON AVENUE, EL MONTE, CA 91731 [T]: 626.444.9005 NORMA MACIAS, OWNER'S AUTHORIZED REPRESENTATIVE
ARCHITECT	CSDA DESIGN GROUP 610 E. FRANKLIN AVENUE EL SEGUNDO, CA , 90245 [T] 310.821.9200 MICHAEL R. SCHOEN, PRINCIPAL
MECHANICAL/ ELECTRICAL/ PLUMBING	TX ENGINEERING CORP. 2866 BIRCH LANE POMONA, CA, 91767 [T] 213.295.5532 THOMAS XU, PRINCIPAL
CIVIL / STRUCTURAL	VCA ENGINEERS, INC. 1041 S. GARFIELD AVENUE SUITE #210 ALHAMBRA, CA 91801 [T] 323.729.6098 EDWIN CASTRO, OFFICE MANAGER

SCOPE OF WORK

- NEW 24' X 48' MANUFACTURED GREENHOUSE WITH PLANTER BEDS
- NEW CRUSHED ROCK GROUND SURFACE WITH CONCRETE FOOTINGS TO SUPPORT GREENHOUSE
- NEW ELECTRICAL EQUIPMENT TO SERVICE GREENHOUSE
- NEW WATER IRRIGATION PLUMBING TO SERVICE GREENHOUSE
- NEW ACCESSIBLE PATHWAY TO GREENHOUSE AND NEW ACCESSIBLE GATE AT EXISTING WALKWAY

V2

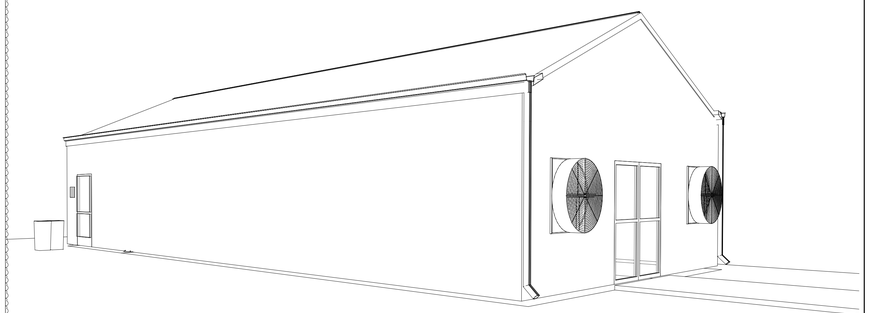
**PER DSA IR A-22 APPENDIX 34, FOOTNOTE 20 & EXEMPTION 2.1.2.2, THE EL MONTE UNION HIGH SCHOOL DISTRICT REQUESTS DSA "ACCESS-ONLY" REVIEW AND ACKNOWLEDGES THE OCCUPIABLE GREENHOUSE WILL NOT BE USED FOR CLASSROOM INSTRUCTION AND NOT APPROVED OR CERTIFIED BY DSA.

DRAWING INDEX

Sheet Number	Sheet Name
G-001	COVER SHEET - INDEX, SCOPE OF WORK & VICINITY MAP
G-002	GENERAL NOTES, ABBREVIATIONS & SYMBOL LEGEND
G-101	OVERALL CAMPUS SITE PLAN, FLS, & ACCESSIBILITY
C-100	GENERAL NOTES, ABBREVIATIONS & SYMBOL LEGEND
C-200	SITE DEMOLITON AND SITE CONTORL PLANS
C-300	SITE GRADING AND SITE UTILITY PLAN
C-400	SITE EROSION PLAN
C-410	EROSION DETAILS
A-001	ENLARGED SITE PLAN - DEMO
A-101	ENLARGED SITE PLAN
A-110	GREENHOUSE FLOOR PLAN
A-111	GREENHOUSE POWER PLAN
A-500	DETAILS - TYPICAL
A-600	SCHEDULES
S-001	GREENHOUSE FOUNDATION PLAN
E-001	ELECTRICAL COVER SHEET
E-101	ELECTRICAL SITE PLAN - SEM
P-100	PLUMBING LEGEND, NOTES, AND SCHEDULES
P-101	PLUMBING SITE PLAN

Grand total: 19

PERSPECTIVE



STATEMENT OF GENERAL CONFORMANCE

THE DRAWING SHEETS LISTED ON THE SHEET INDEX HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THE STATE OF CALIFORNIA. I HAVE EXAMINED THE DRAWINGS FOR:

(1) DESIGN INTENT AND THEY APPEAR TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY MYSELF, AND

(2) COORDINATION WITH MY PLANS AND SPECIFICATIONS, AND ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBLITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341, AND 4-344" OF TITLE 24, PART 1. [PER TITLE 24, PART 1, SECTION 4-317(B)]

SIGNATURE OF ARCHITECT DESIGNATED TO BE IN RESPONSIBLE CHARGE

MICHAEL R. SCHOEN

SITE AREA PERSPECTIVE

ALTERNATES

1. ALTERNATE #1 - INTERIOR AQUAPONICS EQUIPMENT PER A-600

APPLICABLE CODES

THE WORK ON PUBLIC SCHOOL PROJECTS IN CALIFORNIA IS ADMINISTERED AND ENFORCED BY THE DIVISION OF THE STATE ARCHITECT (DSA), INCLUDING THE STRUCTURAL SAFETY SECTION, THE ACCESS COMPLIANCE SECTION, AND THE STATE FIRE MARSHALL.

1. STATUTORY & JUDICIAL REGULATIONS:
   - A. 2019 BUILDING STANDARDS ADMINSTRATIVE CODE, PART 1, TITLE 24 C.C.R.
   - B. 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, TITLE 24 C.C.R.
   - C. 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3 TITLE 24 C.C.R.
   - D. 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
   - E. 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
   - F. 2019 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
   - G. 2019 CALIFORNIA FIRE CODE, PART 9, TITLE S4 C.C.R.
   - H. 2019 CALIFORNIA REFERENCE STANDARDS, PART 12, TITLE 24 C.C.R.

VICINITY MAP

6/28/2022 2:33:26 PM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122087 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 07/11/2022

CSDA DESIGN GROUP
LISTEN COLLABORATE CREATE

610 E. Franklin Ave
El Segundo, CA 90245
T: 415.689.9800
www.csdadesigngroup.com

ARCHITECT STAMP

LICENSED ARCHITECT
MICHAEL R. SCHOEN
No. C-33445
RENEWAL DATE
FEB 28 2023
STATE OF CALIFORNIA

CONSULTANT

CONSULTANT STAMP

PROJECT OWNER:
EL MONTE UNION HIGH SCHOOL DISTRICT

3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:
SOUTH EL MONTE HIGH SCHOOL - NEW GREENHOUSE

1001 DURFEE AVE.,
SOUTH EL MONTE, CA 91733

MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

PROJECT NO.: **20175.01**
01/07/22

SHEET TITLE:
COVER SHEET - INDEX, SCOPE OF WORK & VICINITY MAP

SHEET NO.:
G-001

GENERAL NOTES

1. ALL CONSTRUCTION AND ALL ON-SITE AND SITE-RELATED ACTIVITIES SHALL COMPLY WITH ALL CURRENT APPLICABLE CODES, ORDINANCES AND STATUTES.

2. DRAWINGS AND SPECIFICATIONS, INTEGRAL OR SEPARATELY PACKAGED, REPRESENT FINISHED CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO, SHORING AND TEMPORARY BRACING.

3. WRITTEN DIMENSIONS GOVERN OVER SCALED DIMENSIONS. EXISTING BUILDING DIMENSIONS ARE FOR GUIDANCE ONLY, AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE COMMENCING WORK. OMISSION OR CONFLICTS BETWEEN VARIOUS ELEMENTS IN THE DRAWINGS, NOTES AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND RESOLVED BEFORE PROCEEDING WITH THE WORK.

4. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. INCIDENTAL WORK MAY ALSO BE NECESSARY IN AREAS NOT SHOWN ON THE ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING EXISTING MECHANICAL, ELECTRICAL, PLUMBING AND/OR OTHER SYSTEMS. SUCH INCIDENTAL WORK IS ALSO PART OF THIS CONTRACT. INSPECT THOSE AREAS AND ASCERTAIN WORK NEEDED. PERFORM THAT WORK IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.

5. NO DEVIATION FROM THE APPROVED DRAWINGS AND SPECIFICATIONS IS PERMITTED WITHOUT THE PRIOR WRITTEN CONSENT OF THE ARCHITECT. ANY DEVIATION OR MODIFICATION FROM THE DSA APPROVED PLANS AFFECTING THE HEALTH, FIRE/LIFE SAFETY, STRUCTURAL INTEGRITY, OR ACCESSIBILITY SHALL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL PRIOR TO COMMENCING SUCH WORK. THE ARCHITECT'S INTERPRETATION OF THESE DOCUMENTS SHALL BE FINAL. ALL MATTERS OF COLOR, TEXTURE, DESIGN AND INTERPRETATION OF DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ARCHITECT BY THE CONTRACTOR FOR RESOLUTION BY HIM OR HER.

6. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING THE JOB TO FAMILIARIZE HIMSELF / HERSELF IN DETAIL AS TO THE EXTENT OF THE WORK REQUIRED AND THE EXISTING CONDITIONS, AND SHALL TAKE THESE INTO CONSIDERATION IN THE COST OF THE BID. UPON BEING AWARDED A CONTRACT AND BEFORE BEGINNING WORK AT THE SITE, THE CONTRACTOR IS TO INSPECT AND VERIFY THE CONDITION OF EVERY ITEM AFFECTED BY THE WORK UNDER THIS CONTRACT, AND TO IMMEDIATELY REPORT DISCREPANCIES WITH THE PROJECT DOCUMENTS TO THE ARCHITECT.

7. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND LICENSES, AND SHALL POST OR PUBLISH, AS REQUIRED, ALL NECESSARY NOTICES PRIOR TO PERFORMING ANY WORK ON SITE. THE COSTS OF THESE PERMITS, LICENSES AND NOTICES IS INCIDENTAL TO OTHER ITEMS OF WORK AND NO ADDITIONAL PAYMENTS WILL BE MADE FOR COSTS INCURRED FOR PERMITS, LICENSES AND NOTICES OR IN CONFORMING TO THE REQUIREMENTS THEREOF.

8. THE CONTRACTOR SHALL FURNISH THREE (3) SETS OF SHOP DRAWINGS AND PERFORMANCE SPECIFICATIONS AS REQUESTED FOR REVIEW AND APPROVAL OR REJECTION BY THE ARCHITECT OR ENGINEER PRIOR TO FABRICATION OR DELIVERY OF MATERIAL. REVIEW OF SUCH SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH ALL CONTRACT REQUIREMENTS.

9. ANY WORK OR MATERIALS NOT DIRECTLY NOTED IN THE CONTRACT DOCUMENTS, BUT NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE INTENT THEREOF, ARE IMPLIED AND ARE TO BE PROVIDED AS IF SPECIFICALLY DESCRIBED AT NO ADDITIONAL COST.

10. THE CONTRACTOR SHALL PHOTOGRAPH EXISTING CONDITIONS AT START OF JOB AND VERIFY FUNCTIONALITY OF ELECTRICAL AND MECHANICAL SYSTEMS. ALL DAMAGED AND NON-FUNCTIONING ITEMS NOT IDENTIFIED SHALL BE REPAIRED PRIOR TO ACCEPTANCE OF THE PROJECT.

11. TRUCK ROUTES USED FOR THE CONSTRUCTION OF THIS PROJECT ARE TO BE SUBMITTED TO AND APPROVED BY ALL RELEVANT JURISDICTIONS, AS REQUIRED.

12. THE CONTRACTOR SHALL ASSUME CARE, CUSTODY & RESPONSIBILITY FOR SAFEGUARDING THE OWNER'S PROPERTY OF EVERY KIND, WHETHER FIXED OR PORTABLE. BEFORE BEGINNING WORK AT THE SITE THE CONTRACTOR SHALL INSPECT AND DETERMINE THE EXTENT OF EXISTING FINISHES, SPECIALTY ITEMS, CASEWORK, EQUIPMENT AND OTHER ITEMS WHICH MUST BE PRESERVED AND PROTECTED, AND/OR REMOVED TO BE PROPERLY STORED AND RE-INSTALLED, IN ORDER TO PERFORM THE WORK UNDER THIS CONTRACT. THE CONTRACTOR SHALL PROVIDE ALL FORMS OF SECURITY AND PROTECTION NECESSARY TO PROTECT OWNER'S PROPERTY, REGARDLESS OF THE CAUSE.

13. THE CONTRACTOR SHALL REPAIR, REPLACE OR OTHERWISE RESTORE ANY DAMAGED PROPERTY UNDER THE CONTRACTOR'S CARE.

14. IN THE DEMOLITION DRAWINGS, DASHED LINES INDICATE CONSTRUCTION FIXTURES OR ITEMS TO BE REMOVED OR SALVAGED. 'REMOVE' MEANS DEMOLITION AND DISPOSAL OF ITEMS. 'SALVAGE' MEANS CAREFUL EXTRACTION AND PROTECTION FOR REINSTALLATION, STORAGE OR OTHER DISPOSAL, AS DIRECTED. ITEMS NOT SPECIFICALLY NOTED FOR SALVAGE, ARE TO BE REMOVED AND DISPOSED OF.

15. THE CONTRACTOR SHALL MAINTAIN FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION AND SHALL USE CONSTRUCTION MATERIALS, THAT COMPLY WITH ALL APPLICABLE FIRE-RELATED REGULATIONS.

16. EACH CONTRACTOR AND SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND WASTE IN THEIR AREA OF WORK AT LEAST TWICE A WEEK AND SHALL AT ALL TIMES OPERATE IN A CLEAN AND SAFE MANNER. TRASH AND CONSTRUCTION RELATED DEBRIS MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION BY RAINWATER OR DISPERSAL BY WIND OR ANIMALS. AT THE COMPLETION OF THE PROJECT, CONTRACTOR SHALL TURN OVER AN ACCEPTABLY CLEAN SITE TO OWNER.

17. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE OR FOOT TRAFFIC. SITE ACCESS WAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY OR ADJOINING PROPERTIES. ANY SUCH ACCIDENTAL OR OTHER DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.

18. FUELS, OILS AND SOLVENTS AND OTHER TOXIC OR NON-NATIVE MATERIALS MUST NOT CONTAMINATE ANY SOILS, SURFACE WATERS OR GROUND WATER, AND MUST BE STORED IN ACCORDANCE WITH THEIR LISTING IN APPROVED STORAGE CONTAINERS, FULLY PROTECTED FROM WIND, RAIN AND ANIMALS. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN THE PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE STORMWATER OR SEWAGE SYSTEMS.

19. **HAZARDOUS MATERIALS MAY BE PRESENT ON SITE. THE CONTRACTOR IS TO REVIEW THE DISTRICT'S HAZMAT DOCUMENTS AND GET DIRECTION FROM THE DISTRICT REGARDING REMOVAL OF HAZARDOUS MATERIALS. SHOULD CONTRACTOR DISCOVER WHAT IS BELIEVED TO BE HAZARDOUS MATERIALS, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY AND WAIT FOR DIRECTION. NOTHING IN THESE DOCUMENTS INDICATE OR INVOLVE REMOVAL OR HANDLING OF HAZARDOUS MATERIALS.**

20. NO MOTOR VEHICLES ARE TO BE STORED IN BUILDINGS UNDER CONSTRUCTION.

21. THERE SHALL NOT BE ANY TRESPASSING ON ANY ADJOINING PROPERTY. NO MATERIALS SHALL BE STORED ON ANY ADJOINING PROPERTY. REPRESENTATIVES OF THE OWNER AND OF THE CONTRACTOR ARE TO INSPECT ALL SIDEWALKS, ROADWAYS AND ADJOINING PROPERTIES PRIOR TO COMMENCING WORK. ALL EXISTING DAMAGE SHALL BE NOTED AND AGREED TO BY BOTH PARTIES. ANY DAMAGE TO THESE SIDEWALKS, ROADWAYS OR ADJOINING PROPERTIES OCCURRING DURING THIS CONTRACT SHALL BE REPAIRED PRIOR TO COMPLETION.

22. NO MATERIALS OR EQUIPMENT SHALL BE STORED ON THE PUBLIC RIGHT OF WAY UNLESS AND ENCROACHMENT PERMIT IS FIRST OBTAINED FROM THE APPROPRIATE LOCAL AUTHORITY.

23. ALL PAINT AND STAIN MATERIALS MUST COMPLY WITH LOCAL, STATE AND FEDERAL AIR POLLUTION CONTROL MANDATES.

24. ALL CONSTRUCTION APPARATUS AND ACTIVITIES SHALL BE LIMITED TO DESIGNATED AREAS. ALL WORK SHALL BE DONE IN A MANNER WHICH WILL NOT ENDANGER USERS OF THE FACILITIES OR THE PUBLIC.

25. THE CONTRACTOR SHALL FUMIGATE BUILDING(S) AND EMPLOY LICENSED PEST CONTROL CONTRACTOR TO REMOVE ANY INSECTS, BIRDS, OR RODENTS ON SITE, AND TO CLEAN UP CARCASSES AND DROPPINGS DURING CONSTRUCTION & PRIOR TO SUBSTANTIAL COMPLETION.

26. CONTRACTOR IS TO PROVIDE ALL ITEMS THAT ARE NEW AND OF KIND AND QUALITY INDICATED BY THE DRAWINGS AND SPECIFICATIONS U.O.N.

27. ALL CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY AND WHAT IS SPECIFIED BY ONE SHALL BE BINDING AS IF SPECIFIED BY ALL. ANY WORK SHOWN OR REFERRED TO ON CONSTRUCTION DOCUMENTS, WHETHER DRAWINGS OR SPECIFICATIONS, SHALL BE PROVIDED AS THOUGH IT WERE SHOWN ON ALL RELATED DOCUMENTS. GENERAL NOTES APPLY TO ENTIRE PROJECT. SHEET NOTES APPLY TO ENTIRE SHEET ON WHICH THEY OCCUR. KEY NOTES APPLY TO THE SERIES OF DRAWINGS TO WHICH THEY BELONG.

28. N.I.C. ITEMS ARE SHOWN FOR SCOPE COORDINATION PURPOSES ONLY, AND ARE NOT A PART OF THE DSA APPROVAL.

29. THE CONTRACTOR AND THEIR SUBCONTRACTORS SHALL NOT WORK BEFORE OR AFTER THE HOURS PERMITTED BY LOCAL GOVERNMENT AGENCIES & HUSD, AND IN NO CASE PRIOR TO 6:00 AM EACH WEEKDAY AND 8:00 AM ON WEEKENDS AND HOLIDAYS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALLOWABLE WORKING HOURS.

30. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR VENT, DUCT, CONDUIT SLEEVE PENETRATIONS, ETC. NOT SHOWN ON THE ARCHITECTURAL DRAWINGS.

31. CONTRACTOR SHALL NOT DRILL, CUT OR CORE DRILL ANY EXISTING FLOOR, WALL OR ROOF JOISTS, BEAMS, COLUMNS OR OTHER STRUCTURAL ELEMENTS UNLESS SPECIFICALLY INDICATED ON THE DSA APPROVED DRAWINGS OR PRIOR APPROVAL OBTAINED BY A.O.R. OR S.E.O.R. & DSA PRIOR TO COMMENCING SUCH WORK, AND SHALL MAKE OPENINGS OF PROPER SIZE FOR CONDUITS, DUCTS, PIPES OR OTHER ITEMS PASSING THROUGH. DO NOT PROGRESS WITH SUCH WORK BEFORE FIRST SECURING THE CONCURRENCE AND APPROVAL OF THE STRUCTURAL ENGINEER AND/OR ARCHITECT & DSA, (UNLESS SPECIFICALLY INDICATED ON DSA APPROVED DRAWINGS) AND ALL PENETRATIONS CAUSED BY THIS WORK SHALL BE TREATED FOR A TIGHT SEAL BY THE CONTRACTOR USING A MATERIAL OF THE SAME INTEGRITY AS THE EXISTING PENETRATION. IF DETAILS DO NOT SHOW OR CONFORM TO THE APPROVED DRAWINGS, THEN REVIEW OF DETAILS TAKES PLACE BEFORE ANY WORK IS STARTED. APPROVAL BY ARCHITECT, STRUCTURAL ENGINEER AND ANY OTHER APPLICABLE AUTHORITY IS REQUIRED. WORK SHALL BE COORDINATED WITH SCHOOL SCHEDULE THROUGH THE CONSTRUCTION MANAGER.

32. CONTRACTORS SHALL REPAIR, PATCH AND FINISH OR REFINISH TO MATCH ADJACENT EXISTING FINISHES ON ANY NEW OR OLD STRUCTURES OR FINISHES WHICH ARE DAMAGED BY CUTTING, GRINDING, DRILLING, DEMOLITION OR OTHER MEANS DURING CONSTRUCTION.

33. WHERE CONDUIT, DUCTS, PIPES AND SIMILAR ITEMS ARE SHOWN TO BE INSTALLED IN EXISTING WALLS OR PARTITIONS, NEATLY CHASE THE WALLS OR PARTITIONS, INSTALL THE ITEMS, AND PATCH THE WALLS OR PARTITIONS. MAKE THE INSTALLATION INDISCERNIBLE IN THE FINISHED WORK. APPROVAL BY A.O.R. IS REQUIRED.

34. SEAL TIGHT AND PROTECT WITH FIRE SAVING NEW SLEEVES AND OPENINGS THROUGH FIRE RATED PARTITIONS.

35. WHERE "MATCH EXISTING" IS INDICATED, NEW CONSTRUCTION OR FINISHES ARE REQUIRED TO MATCH THE EXISTING PRODUCTS, MATERIALS AND FINISHES.

36. PAINT ALL EXPOSED CONDUITS, METALS, PIPES, DUCTS, ETC. (U.O.N.). COLORS TO BE SELECTED BY THE ARCHITECT.

37. THE CONTRACTOR SHALL PROVIDE ACCESS PANELS OF REQUIRED SIZES WHERE PLUMBING AND HEATING VALVES NEED TO BE ACCESSIBLE.

38. CONNECTIONS OF ALL DISSIMILAR METAL ITEMS SHALL BE FURNISHED WITH DIELECTRIC SEPARATORS. THE CONTRACTOR TO ENSURE COORDINATION WITH ALL TRADES TO PREVENT ELECTROLYSIS.

39. WHERE WORK IS PERFORMED THAT AFFECTS EXISTING PAINT FINISHES, THE CONTRACTOR SHALL REPAINT AFFECTED AREA TO NEAREST CLEAR BREAK POINT OR WHERE NOTED BY A.O.R.

40. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY BACKBOARDS, ELECTRICAL OUTLETS, CONDUITS, ETC. AS REQUIRED BY THE OWNER'S TELEPHONE COMPANY, TO ACCOMMODATE THEIR INSTALLATION.

41. ALL ELECTRICAL, PHONE, ELECTRONIC, MECHANICAL, PLUMBING AND OTHER LINES SHALL BE CONCEALED UNLESS OTHERWISE NOTED.

42. NO THERMOSTATS SHALL BE LOCATED IN THE CENTER OF WALLS, OR IN ANY OTHER CONSPICUOUS LOCATIONS, WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.

43. ALL MECHANICAL , PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7, CHAPTER 13.

44. PROOF LOAD TEST FOR EXPANSION ANCHOR BOLTS, ALL CONCRETE ANCHOR BOLTS OF THE EXPANSION TYPE (LOADED IN EITHER PULLOUT OR SHEAR) SHALL BE PROOF TESTED AS SPECIFIED IN CBC SECTION 1910A.5.7. IF THERE ARE ANY FAILURES, THE IMMEDIATELY ADJACENT BOLTS MUST ALSO BE TESTED. ALL TEST RESULTS MUST BE IMMEDIATELY REPORTED TO THE ARCHITECT, STRUCTURAL ENGINEER & DSA.

45. EXIT SIGNS AND DIRECTIONAL SIGNS CONFORMING TO ALL APPLICABLE CODES AND REGULATIONS, INCLUDING TITLE 24, CCR SHALL BE PROVIDED.

46. FIXTURES REQUIRED FOR EXIT ILLUMINATIONS SHALL BE SUPPLIED FROM SEPARATE SOURCES OF POWER. THE POWER SUPPLY FOR EXIT ILLUMINATION SHALL BE PROVIDED BY THE PREMISES' WIRING SYSTEM U.O.N. IN THE EVENT OF ITS FAILURE, ILLUMINATION SHALL BE AUTOMATICALLY PROVIDED FROM AN EMERGENCY SYSTEM. ALL EXIT WAYS IN THE AREA OF WORK SHALL BE EQUIPPED WITH AN APPROVED EMERGENCY SYSTEM AND SHALL BE SUPPLIED FROM STORAGE BATTERIES OR AN ON-SITE GENERATOR SET AND THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ELECTRICAL CODE.
47. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL EFFORT OR KNOWLEDGE. FLUSH BOLTS OR SURFACE BOLTS ARE PROHIBITED, SPECIAL LOCKING DEVICES SHALL BE AN APPROVED TYPE ONLY.
48. ALL EXIT WAYS IN THE AREA OF WORK SHALL BE EQUIPPED WITH AN APPROVED EMERGENCY LIGHTING SYSTEM OF 5 FOOT-CANDLES OR MORE DESIGNED TO OPERATE WHEN THE BUILDING POWER SOURCE IS INTERRUPTED.
49. THE EQUIPMENT MANUFACTURER OR PRODUCT BRAND SPECIFIED IS USED AS A MEASURE OF QUALITY AND UTILITY OR AS A STANDARD. IF THE CONTRACTOR DESIRES TO MAKE A SUBSTITUTION, IT SHALL BE HIS OR HER RESPONSIBILITY TO PROVIDE PROOF THAT THE SUBSTITUTION IS OF EQUAL QUALITY. THE OWNER SHALL ACCEPT OR REJECT THE REQUEST FOR SUBSTITUTION AND THE DECISION SHALL BE FINAL. THE CONTRACTOR SHALL PROVIDE A LIST OF PROPOSED SUBSTITUTIONS DURING THE BID PERIOD OR PRIOR TO CONSTRUCTION.
50. WHEN REQUIRED, FIRE-RATED GYPSUM WALLBOARD AND/OR PLASTER WALL AND CEILINGS ARE BROKEN TO ANY EXTENT, THE DAMAGED GYPSUM WALLBOARD AND/OR PLASTER SHALL BE REPLACED OR RETURNED TO THE REQUIRED LEVEL OF FIRE RESISTANCE USING A LISTED REPAIR SYSTEM OR USING MATERIALS AND METHODS EQUIVALENT TO THE ORIGINAL CONSTRUCTION, AS PER CFC SECTION 703.1 (MAINTENANCE OF FIRE-RESISTIVE CONSTRUCTION) OR ANY OTHER APPLICABLE REGULATION.
51. CONTRACTOR IS TO VERITY ALL EXISTING DIMENSIONS WHERE NEW CONSTRUCTION IS DEPENDENT ON EXISTING DIMENSIONS, BEFORE COMMENCING WORK, AND TO IMMEDIATELY INFORM THE ARCHITECT OF ANY DISCREPANCIES OR ERRORS.
52. ALL DEMOLITION SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS, INCLUDING CBC CH. 34 AND CFC CH. 14, AND THE LATEST PUBLISHED EDITION AND AMENDMENTS.
53. ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS, INCLUDING TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR), LATEST ADOPTED PUBLISHED EDITION AND AMENDMENTS.
54. ALL WALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD.
55. PROVIDE BACKING FOR ALL WALL MOUNTED OR CEILING MOUNTED EQUIPMENT EVEN IF NOT NOTED. POSITIVE CONNECTION IS REQUIRED THROUGH OUT THE PROJECT..

56. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGED DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
57. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
58. A DSA-CERTIFIED CLASS 2 PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT.
59. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
60. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

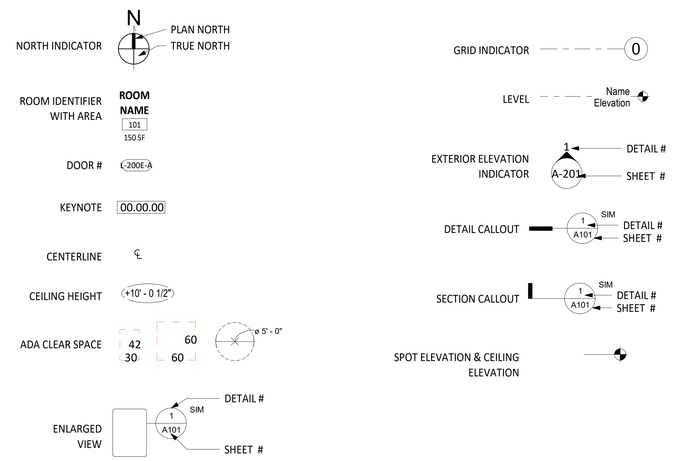
V2

ABBREVIATIONS

NOTE:
NOT ALL ABBREVIATIONS ARE USED IN THIS PROJECT

d	PENNY
#	POUND OR NUMBER
AB	ANCHOR BOLT
AC	ASPHALTIC CONCRETE
A/C	AIR CONDITIONING
ACC	ACCESSIBLE
ACOUS	ACOUSTICAL
ACS PNL	ACCESS PANEL
ACST	ACOUSTIC
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITES ACT
ADDL	ADDITIONAL
ADH	ADHESIVE
ADJ	ADJUSTABLE
ADMIN	ADMINISTRATION
AFF	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASPH	ASPHALT
BD	BOARD
BFF	BELOW FINISHED FLOOR
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BM	BEAM
BOT	BOTTOM
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT-UP ROOFING
CAB	CABINET
CB	CATCH BASIN
CBB	CEMENTITIOUS (BACKER) BOARD
CER	CERAMIC
CG	CORNER GUARD
CJ	CONTROL JOINT
CL	CENTER LINE
CLF	CHAIN LINK FENCE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CLR ANOD	CLEAR ANODIZED
CLRM	CLASSROOM
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CORR	CORRIDOR
CPT	CARPET
CSK	COUNTER SUNK
CT	CERAMIC TILE
CTR	CENTER
DBL	DOUBLE
DEMO	DEMOLITION
DET(S)	DETAIL(S)
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DR	DOOR
DR OPNG	DOOR OPENING
DS	DOWNSPOUT
DWG(S)	DRAWING(S)
(E)	EXISTING
EA	EACH
ED	EXIT DEVICE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EXH	EXHAUST
EXP	EXPANSION
EXP BT	EXPANSION BOLT
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FHMS	FLAT HEAD MACHINE SCREW
FHWS	FLAT HEAD WOOD SCREW
FIN	FINISH
FIN FLR	FINISHED FLOOR
FIXT	FIXTURE
FLOUR	FLOURESCENT
FLR	FLOOR
FLS	FIRE LIFE SAFETY
FO	FACE OF
FR	FIRE RATED
FRMG	FRAMING
FT	FOOT OR FEET
FTG	FOOTING
GA	GAGE
GALV	GALVANIZED
GB	GRAB BAR
GEN	GENERAL
GFRC	GLASS-FIBER-REINF. CONC.
GL	GLASS
GND	GROUND
GSM	GALVANIZED SHEET METAL
GYP	GYPSUM
HB	HOSE BIBB
HC	HOLLOW CORE
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HNDRL	HANDRAIL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
IN	INCH
INCL	INCLUDING/INCLUDED
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JT	JOINT
KIT	KITCHEN
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVORATORY
LB	LAG BOLT
LSC	LAY IN SUSPENDED CEILING
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MTL	METAL
MTLP	METAL PARTITION
(N)	NEW
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NPS	NOMINAL PIPE SIZE
NTS	NOT TO SCALE
O/	OVER
OC	ON CENTER
OCC	OCCUPANT(S)
OFD	OVERFLOW DRAIN
OFF	OFFICE
OF/CI	OWNER FURNISHED & CONTRACTOR INSTALLED
OH	OVERHEAD
OPNG	OPENING
PA	PUBLIC ADDRESS
PA	PLANTING AREA
PH	PANIC HARDWARE
PHS	PHILLIPS HEAD SCREW
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PRCST	PRECAST
PREFAB	PREFABRICATED
PREP	PREPARATION
PT	PRESSURE TREATED
PTD	PAINTED
PTD	PAPER TOWEL DISPENSER
PTD/R	PAPER TOWEL DISPENSER & RECEP.
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
QTY	QUANTITY
R	RISER
R	RADIUS
RBR	RUBBER
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING STEEL BARS
REF	REFERENCE
REINF	REINFORCED
RELOC	RELOCATABLE
REQD	REQUIRED
REV	REVISION
RM	ROOM
RO	ROUGH OPENING
RWD	REDWOOD
RWL	RAIN WATER LEADER
SAT	SUSPENDED ACOUSTICAL TILE
SC	SEALED CONCRETE
SCD	SEE CIVIL DRAWINGS
SCHED	SCHEDULE
SCW	SOLID CORE WOOD
SD	SOAP DISPENSER
SD	SMOKE DETECTOR
SECT	SECTION
SED	SEE ELECTRICAL DRAWINGS
SF	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
SLD	SEE LANDSCAPE DRAWINGS
SLNT	SEALANT
SMD	SEE MECHANICAL DRAWINGS
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTACLE
SPD	SEE PLUMBING DRAWINGS
SPEC	SPECIFICATION
SPKLR	SPRINKLER
SQ	SQUARE
SSD	SEE STRUCTURAL DRAWINGS
SST	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SVCE	SERVICE
SYM	SYMBOL
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TEL	TELEPHONE
TER	TERRAZZO
THK	THICK
THRES	THRESHOLD
TMPD	TEMPERED
TO	TOP OF
TOC	TOP OF CONCRETE
TOP	TOP OF PARAPET
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TS	TUBE STEEL
TSCD	TOILET SEAT COVER DISPENSER
TWS	TACKABLE WALL SURFACE
TYP	TYPICAL
UNFIN	UNFINISHED
UON	UNLESS OTHERWISE NOTED
UR	URINAL
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VIF	VERIFY IN FIELD

SYMBOLS



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MICHAEL R. SOVEN
No. C-33445
RENEWAL DATE
FEB 28 2023
STATE OF CALIFORNIA

CONSULTANT

CONSULTANT STAMP

PROJECT OWNER:

EL MONTE UNION HIGH SCHOOL DISTRICT

3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:

SOUTH EL MONTE HIGH SCHOOL - NEW GREENHOUSE

1001 DURFEE AVE.,
SOUTH EL MONTE, CA 91733

MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

PROJECT NO.: **20175.01**
01/07/22

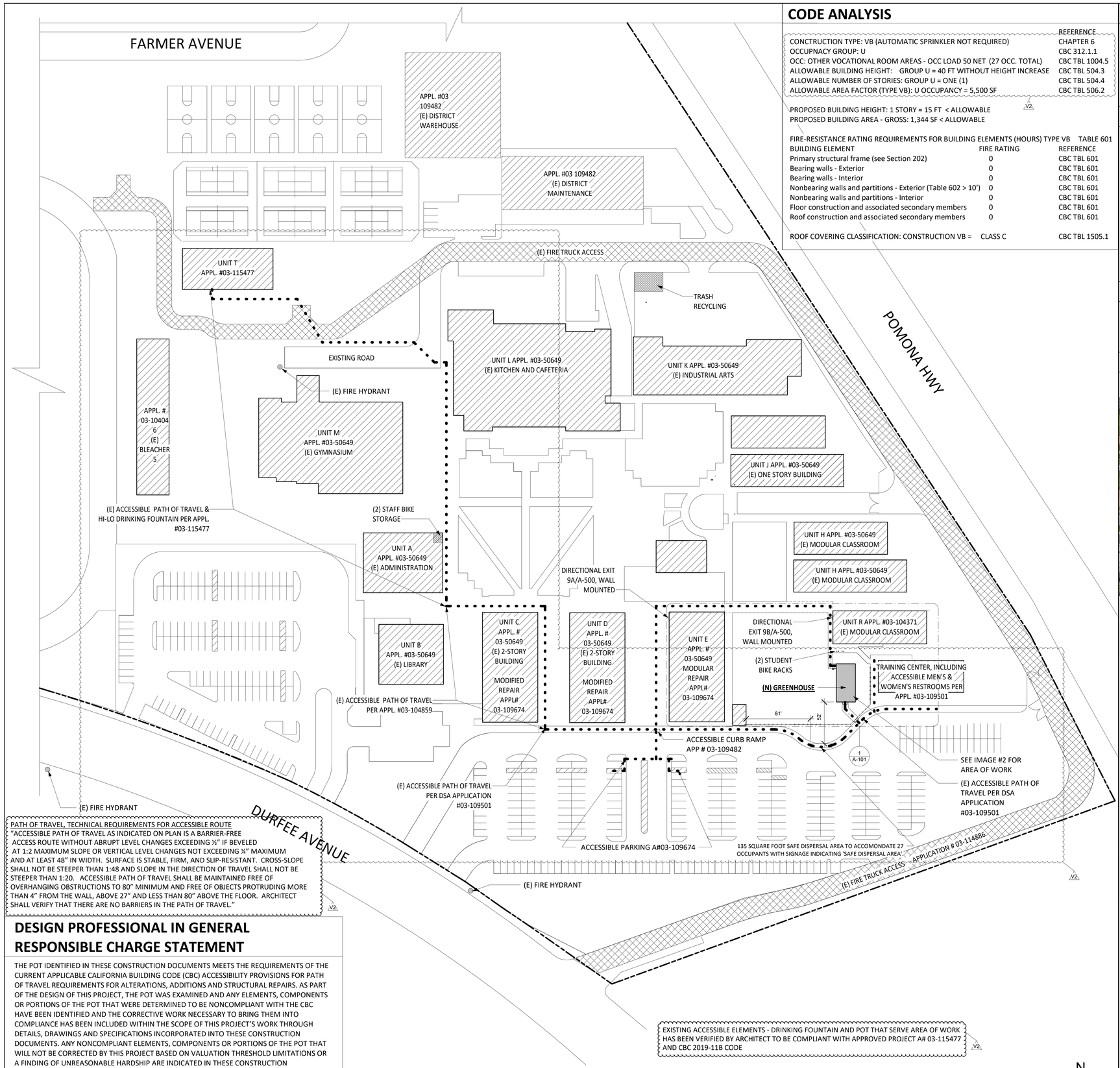
SHEET TITLE:

GENERAL NOTES, ABBREVIATIONS & SYMBOL LEGEND

SHEET NO.:

G-002

6/28/2022 2:33:26 PM



PATH OF TRAVEL, TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTE
"ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING ½" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING ¼" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL." V2

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT

THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

EXISTING ACCESSIBLE ELEMENTS - DRINKING FOUNTAIN AND POT THAT SERVE AREA OF WORK HAS BEEN VERIFIED BY ARCHITECT TO BE COMPLIANT WITH APPROVED PROJECT A# 03-115477 AND CBC 2019-11B CODE V2

OVERALL CAMPUS SITE PLAN 1
SCALE: 1" = 50'-0"

CODE ANALYSIS

	REFERENCE
CONCTRUCTION TYPE: VB (AUTOMATIC SPRINKLER NOT REQUIRED)	CHAPTER 6
OCCUPNACY GROUP: U	CBC 312.1.1
OCC: OTHER VOCATIONAL ROOM AREAS - OCC LOAD 50 NET (27 OCC. TOTAL)	CBC TBL 1004.5
ALLOWABLE BUILDING HEIGHT: GROUP U = 40 FT WITHOUT HEIGHT INCREASE	CBC TBL 504.3
ALLOWABLE NUMBER OF STORIES: GROUP U = ONE (1)	CBC TBL 504.4
ALLOWABLE AREA FACTOR (TYPE VB): U OCCUPANCY = 5,500 SF	CBC TBL 506.2

V2

PROPOSED BUILDING HEIGHT: 1 STORY = 15 FT < ALLOWABLE
PROPOSED BUILDING AREA - GROSS: 1,344 SF < ALLOWABLE

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS) TYPE VB TABLE 601

BUILDING ELEMENT	FIRE RATING	REFERENCE
Primary structural frame (see Section 202)	0	CBC TBL 601
Bearing walls - Exterior	0	CBC TBL 601
Bearing walls - Interior	0	CBC TBL 601
Nonbearing walls and partitions - Exterior (Table 602 > 10')	0	CBC TBL 601
Nonbearing walls and partitions - Interior	0	CBC TBL 601
Floor construction and associated secondary members	0	CBC TBL 601
Roof construction and associated secondary members	0	CBC TBL 601

ROOF COVERING CLASSIFICATION: CONSTRUCTION VB = CLASS C CBC TBL 1505.1

SHEET NOTES

1. FIELD VERIFY ALL DIMENSIONS , PRIOR TO INSTALLATION
2. REMOVE ANY OBSTRUCTIONS AT AREA OF WORK, COORDINATE WITH DISTRICT
3. PROTECT ALL EXISTING SITE AND BUILDING ELEMENTS.
4. FOR SITE UTILITIES & TRENCHING TO GREENHOUSE, SEE M.E.P. DRAWINGS FOR ADDITIONAL INFORMATION
5. FOR FOUNDATION AND SITE GRADING, S.C.D. FOR ADDITIONAL INFORMATION.
7. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

SITE LEGEND

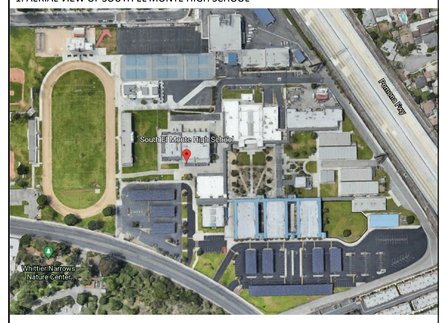
- EXISTING BUILDING
- NEW GREENHOUSE
- EMERGENCY VEHICLE ACCESS ROAD APP # 03-114886
- NEW WALKWAY
- EXISTING ACCESSIBLE PATH OF TRAVEL
- AREA OF WORK
- (E) CHAIN LINK FENCE
- (E) FIRE HYDRANT

FIRE LIFE SAFETY

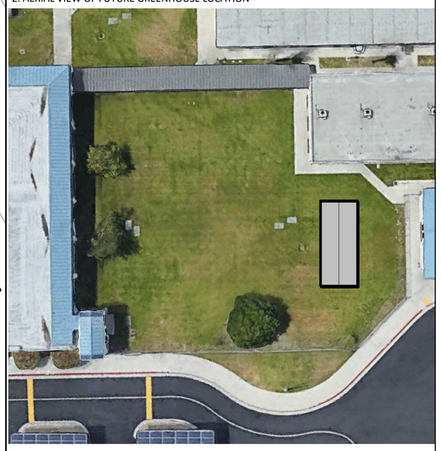
EXISTING EMERGENCY VEHICULAR ACCESS: 20 FEET MIN. WIDTH, 10% MAX. SLOPE,

REFERENCE IMAGES

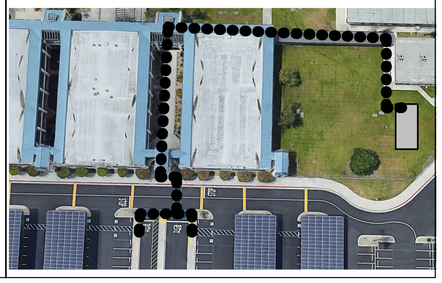
1. AERIAL VIEW OF SOUTH EL MONTE HIGH SCHOOL



2. AERIAL VIEW OF FUTURE GREENHOUSE LOCATION



3. ADA PARKING ADJACENT TO GREENHOUSE



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LICENSED ARCHITECT MICHAEL R. SCHEIN No. C-33445 RENEWAL DATE FEB 28 2023 STATE OF CALIFORNIA

CONSULTANT

CONSULTANT STAMP

PROJECT OWNER:
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3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:
SOUTH EL MONTE HIGH SCHOOL - NEW GREENHOUSE

1001 DURFEE AVE.,
SOUTH EL MONTE, CA 91733

MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

PROJECT NO.: **20175.01**
01/07/22

SHEET TITLE:
OVERALL CAMPUS SITE PLAN, FLS, & ACCESSIBILITY

SHEET NO.:
G-101

6/28/2022 2:33:29 PM

GENERAL NOTES:

1. ALL WORK PERFORMED IN THIS CONTRACT SHALL CONFORM TO:
   - A. PROJECT SPECIFICATIONS.
   - B. ALL SHALL CONFORM TO THE LATEST EDITION AND SUPPLEMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) AND STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC).
2. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE WORK SPECIFIED ON THE DRAWINGS AND WITHIN THE VARIOUS NOTES SHOWN HEREIN.
3. THE EXISTING CONDITIONS SHOWN DIAGRAMMATICALLY ON THE PLANS ORIGINATED FROM AS BUILT DRAWINGS. CONTRACTOR TO VERIFY THE EXACT EXISTING CONDITIONS ANY DISCREPANCY SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT/IOR/OAR USING THE PROPER REQUEST FOR INFORMATION FORMS FOR PROPER ACTION.
4. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES IN THE AREA OF WORK WHICH ARE NOT INCLUDED IN THIS CONSTRUCTION. ANY DAMAGE RESULTING FROM THIS WORK SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.

   PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS:

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PUBLIC AND PRIVATE PROPERTY ADJACENT TO THE WORK PER SECTION 7-9 OF THE STANDARD SPECIFICATIONS.

   REMOVALS:

6. EXISTING STRUCTURES AND SUBSTRUCTURES WHICH ARE INDICATED TO BE REMOVED IN THESE CONSTRUCTION DOCUMENTS SHALL BE TOTALLY REMOVED AND DISPOSED OF OFFSITE, UNLESS OTHERWISE INDICATED. EXISTING FACILITIES WHICH ARE DISCOVERED DURING CONSTRUCTION (INCLUDING WALLS, FOOTINGS AND FOUNDATIONS) SHALL BE REPORTED TO AND COORDINATED WITH THE ARCHITECT/PROJECT INSPECTOR AS TO THEIR REMOVAL. CONTRACTOR WILL NOTIFY THE PROJECT INSPECTOR IN WRITING PRIOR TO COMMENCING THE WORK.
7. ALL SITE PREPARATION AS INDICATED SHALL BE MADE UNDER THE CONTINUOUS INSPECTION OF THE PROJECT INSPECTOR. SECURE THE REQUIRED PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY FOR THE CONSTRUCTION OF TRENCHES, SHORING OR EXCAVATIONS WHICH ARE 5 FEET OR DEEPER OR WORK THAT MAY JEOPARDIZE THE WORKERS. SHORING CALCULATIONS SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED FOR APPROVAL AND PERMITTING.
8. THE CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA SUFFICIENTLY DAMPENED TO CONTROL DUST CAUSED BY WORK ACTIVITIES AS REQUIRED BY THE CITY AND JURISDICTIONAL AGENCY.
9. ALL FILL OR BACKFILL SHALL BE COMPACTED 95% DENSITY PER ASTM D1557.
10. CONSTRUCTION STAKING AND ADJUSTMENTS FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR PAID FOR BY THE CONTRACTOR AND INCLUDED IN THE CONTRACT.
11. VOIDS RESULTING FROM REMOVAL WORK SHALL BE FILLED WITH SUITABLE MATERIALS APPROVED BY THE OWNER RETAINED GEOTECHNICAL ENGINEER AND COMPACTED TO 95% MAXIMUM DENSITY PER ASTM D-1557.
12. UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL REMOVE EXISTING CONSTRUCTION FENCING, APPURTENANCES AND OFFICE TRAILERS FROM THE SITE. PAVEMENT SHALL BE PATCHED AND REPAIRED TO MATCH ADJACENT PAVEMENT AND APPROVED BY THE PROJECT INSPECTOR AS APPLICABLE.
13. ANY ADDITIONAL SURVEYS OR TESTING AS A RESULT OF CONTRACTOR ERROR OR MISINFORMATION WILL BE CHARGED TO THE CONTRACTOR.
14. CONSTRUCT STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN ON PLAN UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATION FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL FROM THE ENGINEER.
15. GRADE LAWN, TURF, AND PLANTING AREA 1-1/2" BELOW DESIGN GRADES INDICATED.
16. MAINTAIN A RECORD OF LOCATION OF UTILITY MARKERS ON THE AS-BUILT PLAN AND REINSTALL THEM AFTER PAVING. REPLACE BENT OR UNUSABLE MARKERS FOR ALL UTILITY LINES DISCOVERED WITHIN THE WORK AREA. INSTALL BRASS UTILITY MARKERS INDICATING DIRECTIONS OF LINES AT ALL CHANGES IN DIRECTIONS AFTER PAVING. INFORM THE SURVEYOR TO LOCATE AND RECORD ACTUAL LOCATIONS.
17. IF EXISTING UTILITIES ARE EXPOSED OR DETERMINED TO EXIST UNDER THE ROUGH GRADING SITE, CONTRACTOR SHALL PROVIDE A FLAGGED STAKE THAT INDICATES THEIR LOCATION, TYPE OF UTILITY, SIZE, PIPE MATERIAL AND DEPTH. STAKES SHALL BE INSTALLED NO LESS THAN 50' ON CENTER ON STRAIGHT LINES AND AT BENDS.
18. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
19. THE PROPOSED GRADE IS THE FINAL GRADE AND NOT THE ROUGH GRADE. THE CONTRACTOR SHALL SUBTRACT THE THICKNESS OF THE PAVED SECTION AND/OR LANDSCAPE TOPSOIL SECTION TO ARRIVE AT THE ROUGH GRADE ELEVATION.
20. ALL EXPORT OF MATERIAL FROM THE SITE MUST GO TO A PERMITTED SITE OR A LEGAL DUMPSITE. RECEIPTS FOR ACCEPTANCE OF EXCESS MATERIAL BY A DUMPSITE ARE REQUIRED AND MUST BE PROVIDED TO THE INSPECTOR OF RECORD UPON REQUEST.
21. SITE BOUNDARIES, EASEMENTS, DRAINAGE DEVICES, RESTRICTED USE AREAS SHALL BE LOCATED PER CONSTRUCTION STAKING BY A LICENSED SURVEYOR. PRIOR TO GRADING, AS REQUESTED BY THE INSPECTOR OF RECORD, ALL PROPERTY LINES, EASEMENTS, AND RESTRICTED USE AREAS SHALL BE STAKED.
22. IF GRADING AUTHORIZED BY THIS PLAN IS TO EXTEND THROUGH THE RAINY SEASON, OCTOBER 1 THROUGH APRIL 15 OF THE FOLLOWING YEAR, SEPARATE UPDATED PLANS FOR EROSION CONTROL MUST BE SUBMITTED PRIOR TO OCTOBER TO EMUHSD FOR APPROVAL. CONTRACTOR TO PROVIDE STORM WATER PREVENTION PLAN, PRE-CONSTRUCTION AND POST CONSTRUCTION BMPs AND UPDATE FROM TIME TO TIME TO COMPLY WITH THE REQUIREMENTS.
23. CONTRACTOR SHALL INSTALL TEMPORARY FENCING AROUND THE PERIMETER OF THE CONSTRUCTION SITE AND STAGING AREA. FENCING SHALL BE MINIMUM 8' TALL AND SHALL HAVE A DUST/VISION BARRIER ALONG THE FULL LENGTH. THE DUST/VISION BARRIER SHALL EXTEND THE LENGTH OF THE CONSTRUCTION SITE. THE FENCING SHALL BE ANCHORED TO THE SURFACE AND SHALL BE ABLE TO WITHSTAND A 200-POUND HORIZONTAL POINT LOAD IN ANY DIRECTION. WORK AREA AND STAGING AREA SHALL BE SECURE AT ALL TIMES.
24. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, INCLUDING NPDES, FROM THE APPROPRIATE JURISDICTIONAL AGENCIES FOR DISCHARGE OF GROUND WATER THAT MAY BE NECESSARY TO ACCOMPLISH EXCAVATIONS SHOWN ON THESE PLANS.
25. STORM DRAINAGE SYSTEMS SHOWN ON THESE PLANS HAVE BEEN DESIGNED FOR THE FINAL SITE CONDITION AT COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.
26. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE ARCHITECT WITH A COMPLETE SET OF REPRODUCIBLE "AS-BUILT" DRAWINGS OF ALL WORK PERFORMED UNDER THIS CONTRACT, AS SHOWN WITHIN THESE CONSTRUCTION DRAWINGS. ALL FIELD CHANGES SHALL BE SHOWN IN DETAIL ON THE "AS-BUILT" DRAWINGS AND SHALL INCORPORATE AS A MINIMUM, NEW ELEVATIONS, GRADES AND ALIGNMENT OF UNDERGROUND FACILITIES WITH DIMENSIONAL TIES TO BUILDINGS OR OTHER VISIBLE IMPROVEMENTS.
27. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.

LEGEND:

CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY.

CONCRETE PAVEMENT

COMPACTED CRUSH ROCK

GREENHOUSE

GREENHOUSE LINE ----------

GRADE BREAK ----------

FLOWLINE ----------

CHAIN LINK FENCE ----------

TREE ----------

ABBREVIATIONS:

ASPHALT CONCRETE	AC
AMERICAN SOCIETY FOR TESTING AND MATERIALS	ASTM
BACK OF SIDEWALK	BSW
BOULEVARD	BLVD
BOTTOM OF BOTTOM STEPS	BBS
BOTTOM	BOT
BOTTOM OF WALL	BWAL, BW
BUILDING	BLDG
CATCH BASIN	CB
CEMENT CONCRETE	CC, CONC
CHAIN LINK	C/L
CLEAN OUT	CO
COLUMN	COL
COMMUNICATION	COMM
CURB DRAIN	CD
DOWN SPOUT	DS
DRINKING FOUNTAIN	DF
DRY WELL	DW
DRAWING	DWG
EAST	E
EDGE OF CONCRETE	EC
EDGE OF GUTTER	EG
ELECTRIC PULL BOX	EPB
ELECTRICAL	ELEC
ELECTRICAL, COMM PANEL	E-PNL
ELEVATION	ELEV
EXISTING	EXIST, (E)
EXPANSION JOINT	EJ
FIRE ALARM	FA
FINISH FLOOR	FF
FINISH SURFACE	FS
FIRE HYDRANT	FH
FIRE SPRINKLER RISER	FSR
FLAGPOLE	FP
FLOOR DRAIN	FD
FLOWLINE	FL
GATE POST	GP
GRADE BREAK	GB
GROUND PULL BOX	GPB
GROUND	GND
HEATING, VENTILATION & AIR CONDITIONING	HVAC
HORIZONTAL	H
IRRIGATION	IRR
IRRIGATION CONTROL VALVE	ICV
LIGHT POST	LP
MAXIMUM	MAX
METAL STORAGE CONTAINER	MSC
MINIMUM	MIN
MOWING STRIP	MS
NORTH	N
ON CENTER	OC
OVER HANG	O/H
PANEL BOX	PNL
PARKING METER	PM
PATTERED CONCRETE	PCC
PLANTER AREA	PA
POWER POLE	PP
POWER	PWR
PULL BOXES	PB
RADIUS	R
REMOTE CONTROL VALVE	RCV
SEWER	SWR
SEWER CLEAN OUT	SCO
SEWER PULL BOX	SPB
SIGNAL	SIG
SOUTH	S
STEEL	STL
STEEL POST	SP
STREET	ST
STREET LIGHT	SL
STREET LIGHT PULL BOX	SLPB
TELEPHONE	TEL
THRESHOLD	THR
TRAFFIC SIGNAL PULLBOX	TSPB
TRANSFORMER	TRANS
TOP OF BOTTOM STEPS	TBS
TOP OF CURB	TC
TOP OF GRATE	TG
TOP OF TOP STEPS	TTS
TOP OF WALL	TW
TRUNCATED DOME PADS	TDP
TYPICAL	TYP

ABBREVIATIONS (cont) :

UTILITY	UTL
VAULT	VLT
VERTICAL	V
WATER, WEST	WTR, W
WATER FAUCET	WF
WATER METER PULL BOX	WMPB
WATER PULL BOX	WPB
WATER VALVE, METER	WV, WM
YARD BOX	YB

SHEET INDEX:

SHEET NO.	DESCRIPTION
C-100	GENERAL NOTES, LEGENDS AND ABBREVIATIONS
C-200	SITE DEMOLITION PLAN AND SITE CONTROL PLAN
C-300	SITE GRADING AND SITE UTILITY PLAN
C-400	SITE EROSION PLAN
C-410	EROSION DETAILS

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CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER
VIRGILIO C. KASAN
No. C36079
Exp. 6/30/22
CIVIL
STATE OF CALIFORNIA

PROJECT OWNER:

EL MONTE UNION HIGH SCHOOL DISTRICT

3537 JOHNSON AVENUE
EL MONTE, CA, 91731

PROJECT NAME:

SOUTH EL MONTE HIGH SCHOOL

1001 DURFEE AVE.,
SOUTH EL MONTE, CA 91733

MARK	DATE	DESCRIPTION
	01-07-2022	100% CD SET
	03-03-2022	DSA SUBMITTAL

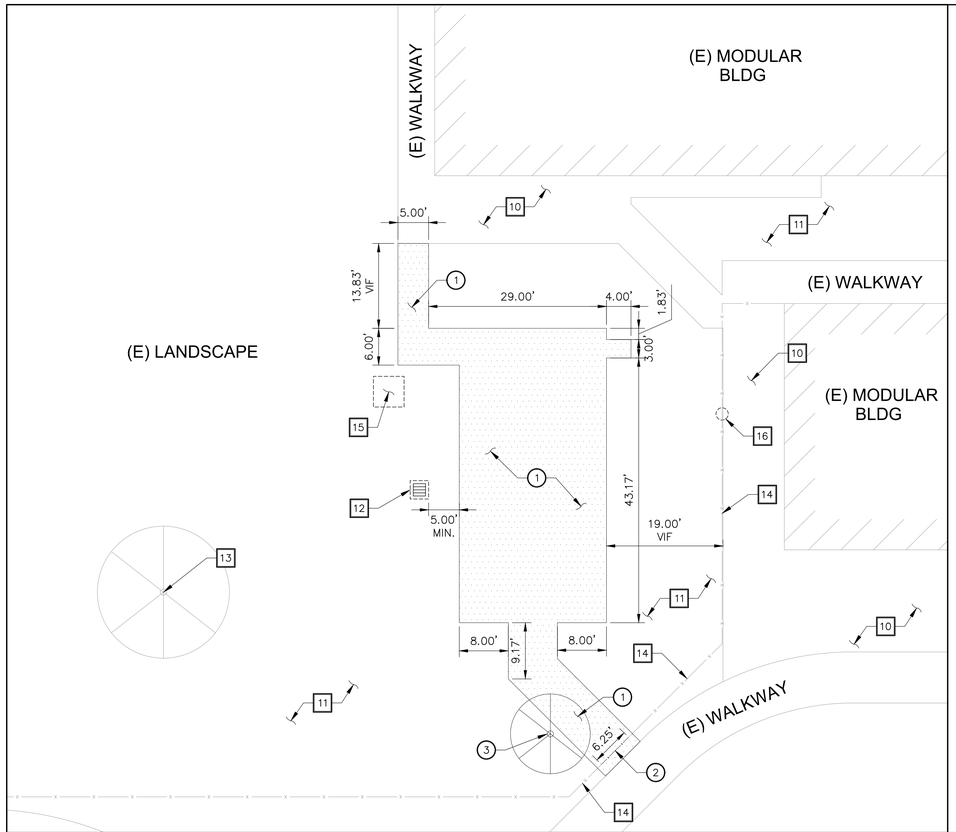
PROJECT NO.: **20175.01**
01/07/22

SHEET TITLE:

GENERAL NOTES, LEGEND AND ABBREVIATIONS

SHEET NO.:

C-100



SITE DEMOLITION PLAN

REMOVAL NOTES:

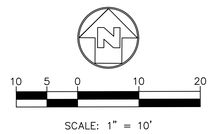
1. CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY.
2. REMOVE EXISTING FENCE PER ARCHITECTURAL DRAWINGS.
3. REMOVE EXISTING TREE AND ROOTS IN ITS ENTIRETY.

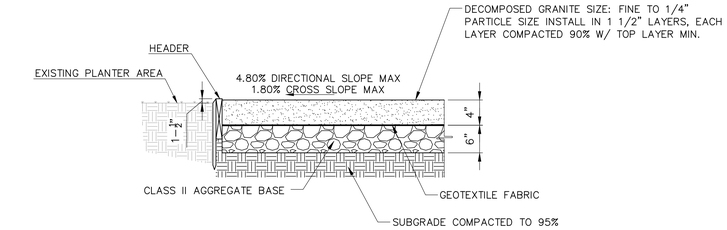
PROTECT IN PLACE NOTES:

10. PROTECT IN PLACE EXISTING WALKWAY.
11. PROTECT IN PLACE EXISTING PLANTER AREA/LAWN.
12. PROTECT IN PLACE EXISTING CATCH BASIN AND STORM DRAIN LINE.
13. PROTECT IN PLACE EXISTING TREE.
14. PROTECT IN PLACE EXISTING FENCE.
15. PROTECT IN PLACE EXISTING UTILITY VAULT.
16. PROTECT IN PLACE EXISTING CLEANOUT.

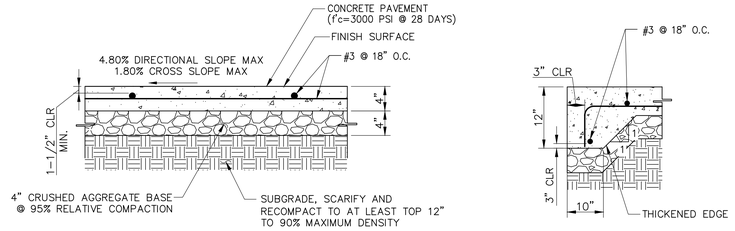
LEGEND:

CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY.





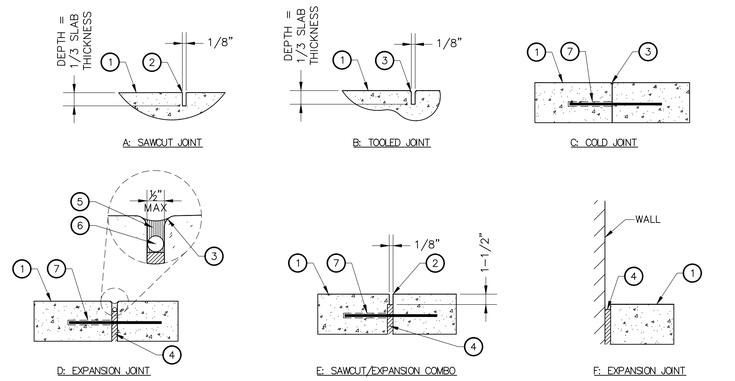
1 DECOMPOSED GRANITE
SCALE: NOT TO SCALE



NOTES:

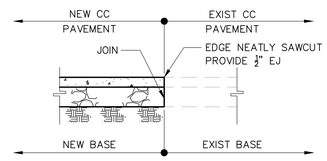
1. FOR CONSTRUCTION JOINTS, EXPANSION JOINTS, PAVEMENT TRANSITIONS, AND FINISH SURFACE REQUIREMENTS, REFER TO DETAIL 3 ON THIS SHEET.
2. CONCRETE, f'c=3000 psi @ 28 DAYS. REBARS, fy=60,000 psi ASTM A615.
3. PROVIDE ½ EJ WHERE NEW CONCRETE ABUTS EXISTING CONCRETE.
4. PROVIDE 1–1/2" MIN. BAR CLEARANCE SURFACE COVER PER ACI 318–14 TABLE 20.6.1.3.1.

2 CONCRETE PAVEMENT DETAIL
SCALE: NOT TO SCALE



LEGEND:

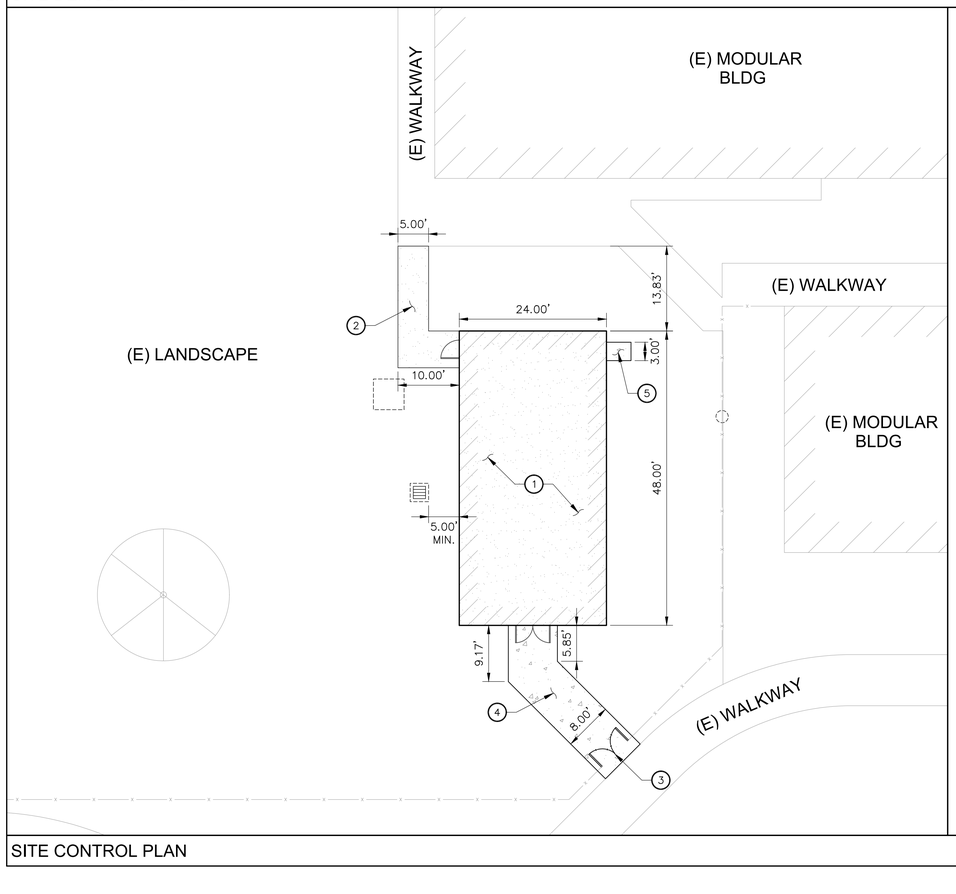
1. PAVING FINISH SURFACE.
2. SAWCUT.
3. 1/4" R. @ EDGES. TYP.
4. PREMOLDED E.J. FILLER.
5. JOINT SEALANT. COLOR TO BE SELECTED BY ARCHITECT. SUBMIT COLOR SAMPLES PRIOR TO INSTALLATION.
6. BACKER ROD.
7. 18" #4 REBAR W/ 'SPEED DOWEL' @ 36" OC, CENTER IN CONC. AT COLD JOINTS & E.J.'S.



3 JOINT AND TRANSITION DETAILS
SCALE: NOT TO SCALE

SHEET NOTES:

1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE SHEET C–100.
2. REFER TO ARCHITECTURAL DRAWINGS FOR OTHER SITE DIMENSIONS AND IMPROVEMENTS NOT SHOWN ON THIS DRAWING.
3. FOR PAVEMENT FINISHES REFER TO ARCHITECTURAL DRAWINGS.



SITE CONTROL PLAN

CONSTRUCTION NOTES:

1. GREENHOUSE PER ARCHITECTURAL AND STRUCTURAL DRAWINGS. GREENHOUSE FLOORING SHALL BE DECOMPOSED GRANITE PER DETAIL 1 ON THIS SHEET.
2. DECOMPOSED GRANITE PER DETAIL 1 ON THIS SHEET.
3. ADA GATE PER DETAIL 7 & 8 ON ARCHITECTURAL SHEET A–500.
4. CONCRETE PAVEMENT PER DETAIL 2 ON THIS SHEET.
5. CONCRETE PAD LANDING PER DETAIL 2 ON THIS SHEET.

LEGEND:

DECOMPOSED GRANITE

CONCRETE PAVEMENT

GREENHOUSE STRUCTURE

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	01-07-2022	100% CD SET
	03-03-2022	DSA SUBMITTAL

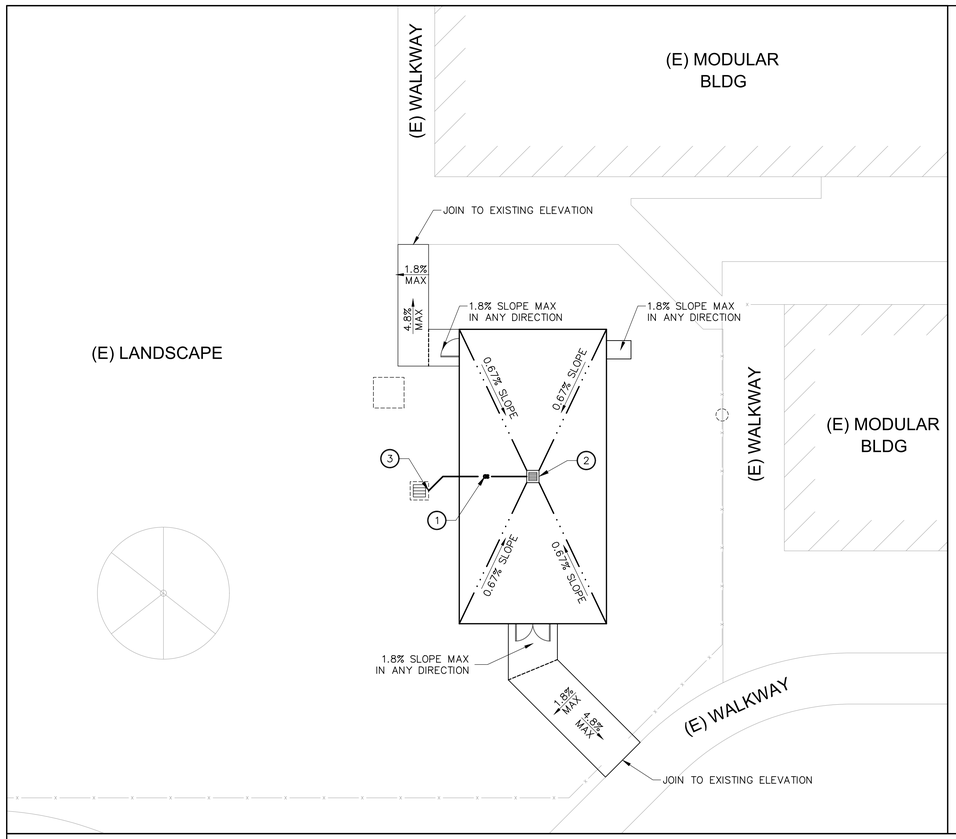
PROJECT NO.: **20175.01**
01/07/22

SHEET TITLE:

SITE DEMOLITION PLAN
AND SITE CONTROL PLAN

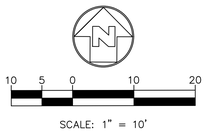
SHEET NO.:

C-200



STORM DRAIN CONSTRUCTION NOTES:

1. INSTALL 6" PVC SCHEDULE 40 STORM DRAIN LINE PER DETAIL 2 ON THIS SHEET.
2. INSTALL CATCH BASIN PER DETAIL 1 ON THIS SHEET.
3. CONNECT TO EXISTING CATCH BASIN. CONTRACTOR TO VERIFY INVERT ELEVATION ON FIELD AND PROVIDE POSITIVE DRAINAGE FROM PROPOSED CATCH BASIN TO POINT OF CONNECTION AT EXISTING CATCH BASIN. (0.50% SLOPE MINIMUM)

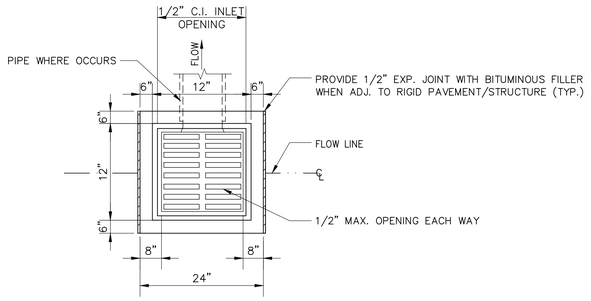


SCALE: 1" = 10'

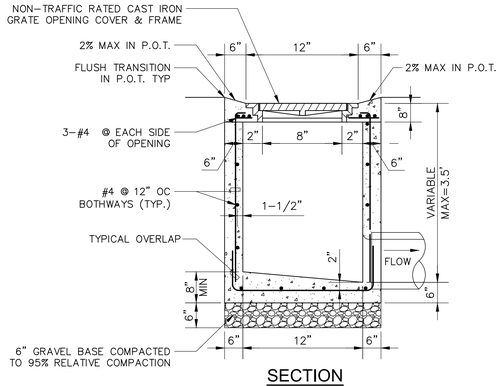
SHEET NOTES:

1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE SHEET C-100.
2. REFER TO ARCHITECTURAL DRAWINGS FOR OTHER SITE DIMENSIONS AND IMPROVEMENTS NOT SHOWN ON THIS DRAWING.
3. IT SHALL BE THE RESPOSIBILITY OF THE CONTRACTOR TO VERIFY ALL SURFACE AND/OR UNDERGROUND UTILITIES IN CONFLICT WITH THE PROPOSED DEMOLITION AND DESIGN ITEMS, CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND/OR CONSTRUCTION RELATED ISSUES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
4. CONTRACTOR TO VERIFY IN FIELD THE JOINING TO EXISTING ELEVATION AND THE CURRENT SITE CONDITION WITH THE DESIGN GRADES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
5. CONTRACTOR SHALL VERIFY DEMOLITION PLAN WITH EXISTING CONDITIONS AND REPORT ANY MISSING ITEMS THAT REQUIRE DEMOLITION PRIOR TO BID.

SITE GRADING AND SITE UTILITY PLAN



PLAN

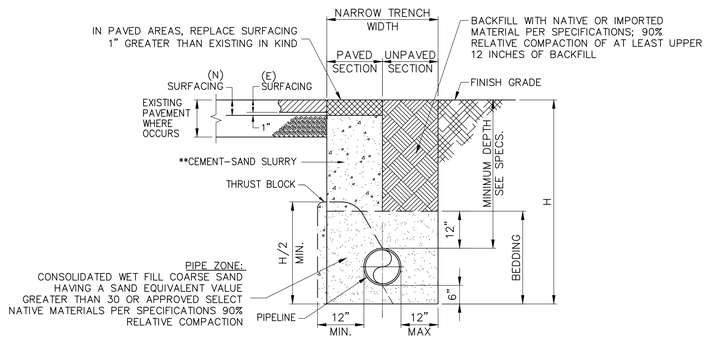


SECTION

NOTES:

1. USE 3/4" DIA. PIPE BAR SPACERS ASSEMBLED ON (2) 1/2" DIA. RODS WITH THREADS AND NUTS AT BOTH ENDS.
2. ALL METAL PARTS SHALL BE GALVANIZED AFTER FABRICATION AND WELDING, AND BEFORE ASSEMBLING.
3. FRAME AND GRATE SHALL BE SIMILAR TO ALHAMBRA FOUNDRY CO. LTD. SERIES MODEL NO. 1581 OR BROOKS PRODUCTS, INC. OR APPROVED EQUAL. GRATES MUST COMPLY WITH ALL ADA REQUIREMENTS.
4. GRATES SHALL BE OF VANDAL-RESISTANT CONSTRUCTION WITH 1/2" MAX OPENINGS.
5. PROVIDE 1/2" MAX GRID/OPENINGS IN GRATING IN THE DIRECTION OF TRAFFIC FLOW UNLESS OTHERWISE NOTED HEREIN.
6. INSTALL FOSSIL FILTER, KRISTAR, (800) 579-8819, FLOGARD MODEL OR APPROVED EQUAL.
7. PROVIDE "NO DUMPING SYMBOL" ON THIS DETAIL.
   7.1. PROVIDE 8" MIN DIAMETER FOR STENCIL.
8. SLOPE ADJACENT PAVEMENT AT 2% MAX TOWARDS GRATE WHEN PLACED WITHIN ACCESSIBLE PATH OF TRAVEL PER ARCHITECTURAL DRAWINGS.

1 CATCH BASIN DETAIL
NOT TO SCALE



NARROW UNSUPPORTED VERTICAL WALLED TRENCH WIDTH

NOMINAL PIPE DIAMETER (INCHES)	NARROW TRENCH WIDTH MIN. (INCHES)
4	18
6	18

** CEMENT-SAND SLURRY = MIN. 2-SACK MIX HAVING A SLUMP NO GREATER THAN 5 INCHES.

NOTES:

1. PAVEMENT FINISH SURFACE SHALL BE A SMOOTH CONTINUATION OF ADJOINING PAVED SURFACE.
2. PIPELINE BEDDING MATERIAL, TRENCH BACKFILL MATERIAL, AND COMPACTION SHALL COMPLY WITH SSPWC.
3. BEDDING MATERIALS CONSISTING OF SAND, GRAVEL, OR CMB SHOULD BE USED TO BACKFILL AROUND UTILITY PIPES TO APPROXIMATELY ONE FOOT ABOVE THE TOP OF THE PIPE. ONSITE SOILS WHICH HAVE A SAND EQUIVALENT (SE) OF 30 OR GREATER CAN ALSO BE USED AS BEDDING MATERIAL. NO MORE THAN 30% OF BACKFILL VOLUME SHOULD BE LARGER THAN ¾". PRIOR TO PLACINGTHE PIPES, THE PIPE TRENCH SUBGRADE SHOULD BE OBSERVED BY A REPRESENTATIVE OF THE PROJECT GEOTECHNICAL ENGINEER. IN THE LARGEST DIMENSION. IMPORTED BACKFILL SHOULD BE APPROVED BY PROJECT GEOTECHNICAL CONSULTANT PRIOR TO DELIVERY AT THE SITE.
4. IT IS RECOMMENDED THAT UTILITY TENCHES ARE NOT BE OR PLACED PARALLED TO AND BELOW A 1½:1 PLANE PROJECTED DOWN FROM THE BASE OF THE OUTER EDGE OF A CONVENTIONAL FOUNDATION.
5. IF THE EXPOSED SUBGRADE IS LOOSE OR UNSTABLE, THE UNSUITABLE SUBGRADE SOIL MUST BE EXCAVATED AND REPLACED WITH BEDDING MATERIAL. BEDDING MUST BE PLACED UNIFORMLY ON EACH SIDE OF THE PIPE AND MECHANICALLY COMPACTED.
6. FLOODING OR JETTING TO DENSIFY THE BEDDING MATERIALS IS NOT ALLOWED DUE TO THE CLAYEY NATURE OF ONSITE SOILS.
7. THE BACKFILL FOR THE REMAINING PORTION OF THE TRENCH ABOVE THE PIPES SHOULD BE PLACED IN LOOSE LIFTS NOT TO EXCEED 8 INCHES, MOISTURE-CONDITIONED WITHIN OPTIMUM AND 2 PERCENT ABOVE OPTIMUM MOISTURE CONTENT, AND MECHANICALLY COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION IN ACCORDANCE WITH ASTM D1557. THINNER LIFTS MAY BE NECESSARY TO ACHIEVE THE RECOMMENDED LEVEL OF COMPACTION OF THE BACKFILL DUE TO EQUIPMENT LIMITATIONS.
8. THE HIGHER COMPACTION IS REQUIRED FOR FILL MATERIAL THAT HAS LESS THAN FIFTEEN PERCENT (15%) OF THE MATERIAL FINER THAN 0.005MM.
9. TRENCHES IN PAVEMENT AREAS SHOULD BE CAPPED WITH AT LEAST 12 INCHES OF COMPACTED, ON-SITE SOIL SIMILAR TO THAT OF THE ADJOINING SUBGRADE. THE UPPER 12 INCHES OF TRENCH BACKFILL IN AREAS TO BE PAVED SHOULD BE COMPACTED TO AT LEAST 95 PERCENT RELATIVE COMPACTION. SPECIAL CARE SHOULD BE TAKEN IN THE CONTROL OF UTILITY TRENCH BACKFILLING IN THE PAVEMENT AREAS.
10. PIPELINE BEDDING MAY BE LEAN CONCRETE CONSISTING OF TWO SACKS OF PORTLAND CEMENT PER CUBIC YARD OF SLURRY IN LEIU OF SAND AS LONG AS SLURRY IS VIBRATED IN PLACE.
11. MINIMUM COVERAGE OF UTILITIES IS 36-INCHES. IF THIS CANNOT BE ATTAINED, CAP WITH 1-SACK CONCRETE SLURRY. IN PAVING AREAS, BACKFILL TRENCHES WITH SLURRY UP TO BOTTOM OF PAVING. IN LANDSCAPE AREAS, SLURRY IS ALLOWED UP TO TWO-FEET BELOW GRADE.
12. PROVIDE METALLIC WARNING TAPE 12-INCHES BELOW GRADE ABOVE UTILITIES.
13. A MINIMUM OF 6-INCH THICK BEDDING MATERIAL SHALL BE PLACED BELOW THE BOTTOM OF UTILITY LINES, ON A FIRM AND UNYIELDING SUBGRADE. THE BEDDING MATERIAL SHALL MEET THE SPECIFICATIONS PROVIDED IN THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK). SAND OR GRAVEL SHALL BE COMPACTED IN ACCORDANCE WITH GREENBOOK SPECIFICATIONS.
14. THE PIPE INVERT SHALL BE UNDERLAIN WITH AT LEAST 6" OF BEDDING MATERIAL CONSISTING OF SELECT SANDY SOILS WITH A SAND EQUIVALENT (SE) OF 30 OR GREATER AS SPECIFIED IN SECTION 306-1.2.1 OF THE GREENBOOK. BEDDING MATERIAL BELOW THE PIPE INVERT SHALL BE COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION AS DETERMINED BY ASTM D1557.
15. THE PIPE ZONE BACKFILL SHALL EXTEND FROM THE INVERT OF THE PIPE TO A LEAST 6" ABOVE THE PIPE. THIS ZONE SHALL ALSO BE BACKFILLED WITH SANDY MATERIAL SIMILAR TO THE BEDDING AND MECHANICALLY COMPACTED TO 90 PERCENT RELATIVE COMPACTION.

2 TRENCH SECTION
NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122087 INC:
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SS ☐ FLS ☐ ACS ☑
DATE: 07/11/2022

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CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER VIRGILIO C. KAPAN No. C36079 Exp. 6/30/22 CIVIL STATE OF CALIFORNIA

PROJECT OWNER:

EL MONTE UNION HIGH SCHOOL DISTRICT

3537 JOHNSON AVENUE
EL MONTE, CA, 91731

PROJECT NAME:

SOUTH EL MONTE HIGH SCHOOL

1001 DURFEE AVE.,
SOUTH EL MONTE, CA 91733

MARK	DATE	DESCRIPTION
	01-07-2022	100% CD SET
	03-03-2022	DSA SUBMITTAL

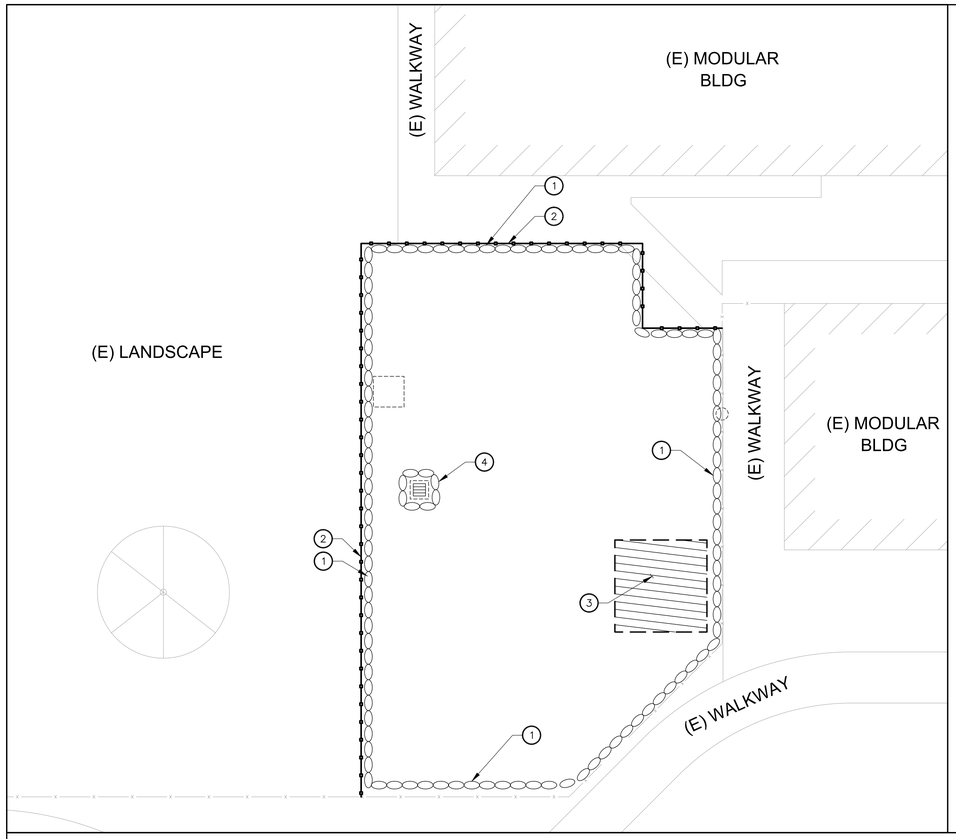
PROJECT NO.: **20175.01**
01/07/22

SHEET TITLE:

SITE GRADING AND SITE UTILITY PLAN

SHEET NO.:

C-300



CONSTRUCTION NOTES:

1. INSTALL GRAVEL BAGS UNTIL THE COMPLETION OF THE SITE CONSTRUCTION. REFER TO DETAIL 2 ON SHEET C–410.
2. CONSTRUCTION FENCE.
3. PROPOSED AREA FOR MATERIAL STORAGE. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE OAR. REFER TO DETAIL 3 ON SHEET C–410.
4. GRAVEL BAG CHECKDAM PER DETAIL 4 ON SHEET C–410.

LEGEND:

GRAVEL BAG

CONSTRUCTION FENCE

10 5 0 10 20

SCALE: 1" = 10'

SITE EROSION PLAN

IDENTIFICATION STAMP
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MARK	DATE	DESCRIPTION
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PROJECT NO.: **20175.01**

01/07/22

SHEET TITLE:

SITE EROSION PLAN

SHEET NO.:

C-400

GENERAL NOTES:

1. IN CASE OF EMERGENCY, CALL 911.
2. A STAND–BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON–SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
3. EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE ARCHITECT IF THE GRADING OPERATION HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
4. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF–SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
5. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
6. A GUARD SHALL BE POSTED ON SITE WHEREVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DEWATERING OPERATIONS.
7. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE QSP. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
8. DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL.
9. STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES, THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE CONTRACTOR. PLANS REPRESENTING CHANGES MUST BE SUBMITTED FOR APPROVAL IF REQUESTED BY THE ARCHITECT.
10. EVERY EFFORT MUST BE MADE TO ELIMINATE THE DISCHARGE OF NONSTORM WATER FROM THE PROJECT SITE AT ALL TIMES.
11. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON–SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
12. STOCKPILES OF EARTH AND OTHER CONSTRUCTION–RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
13. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTINGS AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
14. EXCESS OR WASTE CONCRETE MAY NOT BE WASTED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON–SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
15. CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMP's ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 40% CHANCE OF 0.25 INCHES OR GREATER OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY OAR/IOR AND ARCHITECT (COPIES OF SELF–INSPECTION CHECKLIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST). AT HIS/HER EXPENSE THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A QUALIFIED SWPPP PRACTITIONER FOR THE DURATION OF THE PROJECT.
16. TRASH AND CONSTRUCTION–RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
17. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
18. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
19. AS THE ENGINEER OF RECORD, I HAVE SELECTED APPROPRIATE BMPs TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE PROJECT OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMPs MUST BE INSTALLED, MONITORED, AND MAINTAINED TO ENSURE THEIR EFFECTIVENESS. THE BMPs NOT SELECTED FOR IMPLEMENTATION ARE REDUNDANT OR DEEMED NOT APPLICABLE TO THE PROPOSED CONSTRUCTION QUALITY."
20. THE FOLLOWING BMPs AS OUTLINED IN, BUT NOT LIMITED TO, THE "CALIFORNIA STORMWATER BEST MANAGEMENT PRACTICES HANDBOOK" – JANUARY 2003, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE ARCHITECT.

EROSION CONTROL

EC1 – SCHEDULING
EC2 – PRESERVATION OF EXISTING VEGETATION
EC3 – HYDRAULIC MULCH
EC4 – HYDROSEEDING
EC5 – SOIL BINDERS
EC6 – STRAW MULCH
EC7 – GEOTEXTILES AND MATS
EC8 – WOOD MULCHING
EC9 – EARTH DIKES AND DRAINAGE SWALES
EC10 – VELOCITY DISSIPATION DEVICES
EC11 – SLOPE DRAINS
EC12 – STREAMBANK STABILIZATION
EC13 – POLYACRYLAMIDE

TEMPORARY SEDIMENT CONTROL

SE1 – SILT FENCE
SE2 – SEDIMENT BASIN
SE3 – SEDIMENT TRAP
SE4 – CHECK DAM
SE5 – FIBER ROLLS
SE6 – GRAVEL BAG BERM
SE7 – STREET SWEEPING AND VACUUMING
SE8 – GRAVEL BAG BARRIER
SE9 – STRAW BALE BARRIER
SE10 – STORM DRAIN INLET PROTECTION

EQUIPMENT TRACKING CONTROL

TC1 – STABILIZED CONSTRUCTION ENTRANCE EXIT
TC2 – STABILIZED CONSTRUCTION ROADWAY
TC3 – ENTRANCE/OUTLET TIRE WASH

NON–STORMWATER MANAGEMENT

NS1 – WATER CONSERVATION PRACTICES
NS2 – DEWATERING OPERATIONS
NS3 – PAVING AND GRINDING OPERATIONS
NS4 – TEMPORARY STREAM CROSSING
NS5 – CLEARWATER DIVERSION
NS6 – ILLICIT CONNECTION/DISCHARGE
NS7 – POTABLE WATER/IRRIGATION
NS8 – VEHICLE AND EQUIPMENT CLEANING
NS9 – VEHICLE AND EQUIPMENT FUELING
NS10 – VEHICLE AND EQUIPMENT MAINTENANCE
NS11 – PILE DRIVING OPERATIONS
NS12 – CONCRETE CURING
NS13 – CONCRETE FINISHING
NS14 – MATERIAL AND EQUIPMENT USE
NS15 – DEMOLITION ADJACENT TO WATER
NS16 – TEMPORARY BATCH PLANTS

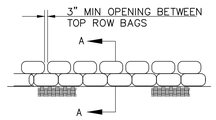
WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL

WM1 – MATERIAL DELIVERY AND STORAGE
WM2 – MATERIAL USE
WM3 – STOCKPILE MANAGEMENT
WM4 – SPILL PREVENTION AND CONTROL
WM5 – SOLID WASTE MANAGEMENT
WM6 – HAZARDOUS WASTE MANAGEMENT
WM7 – CONTAMINATION SOIL MANAGEMENT
WM8 – CONCRETE WASTE MANAGEMENT
WM9 – SANITARY/SEPTIC WASTE MANAGEMENT
WM10 – LIQUID WASTE MANAGEMENT

WIND EROSION CONTROL

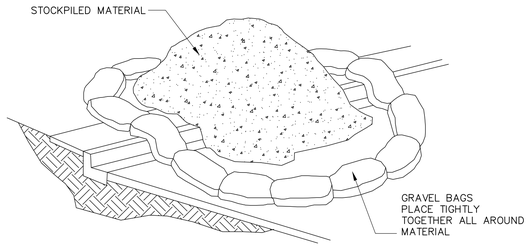
WE1 – WIND EROSION CONTROL

1 GENERAL NOTES



SECTION A-A

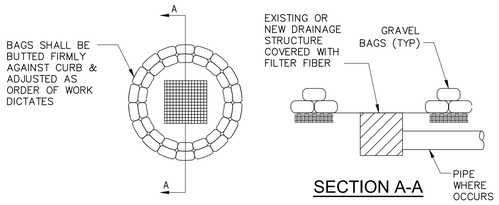
2 GRAVEL BAG DETAIL



NOTES:

1. DIRT AND OTHER CONSTRUCTION RELATED MATERIALS PLACED IN THE STREET OR ON OTHER IMPERVIOUS SURFACES MUST BE CONTAINED WITH SANDBAGS OR OTHER MEASURES TO PREVENT TRANSPORT TO THE STORMDRAIN SYSTEM.
2. ANY CONSTRUCTION MATERIAL STORED OR STOCKPILED ON–SITE SHALL BE PROTECTED FROM BEING TRANSPORTED BY THE FORCE OF WIND OR WATER.

3 MATERIAL STORAGE
NOT TO SCALE



SECTION A-A

4 GRAVEL BAG CHECKDAM
NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122087 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 07/11/2022

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1041 S. Garfield Avenue, Suite 210
Alhambra, CA 91801
Tel. 323.729.6098
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REGISTERED PROFESSIONAL ENGINEER
VIRGILIO C. KAPAN
No. C36079
Exp. 6/30/22
CIVIL
STATE OF CALIFORNIA

PROJECT OWNER:

EL MONTE UNION HIGH SCHOOL DISTRICT

3537 JOHNSON AVENUE
EL MONTE, CA, 91731

PROJECT NAME:

SOUTH EL MONTE HIGH SCHOOL

1001 DURFEE AVE.,
SOUTH EL MONTE, CA 91733

MARK	DATE	DESCRIPTION
	01-07-2022	100% CD SET
	03-03-2022	DSA SUBMITTAL

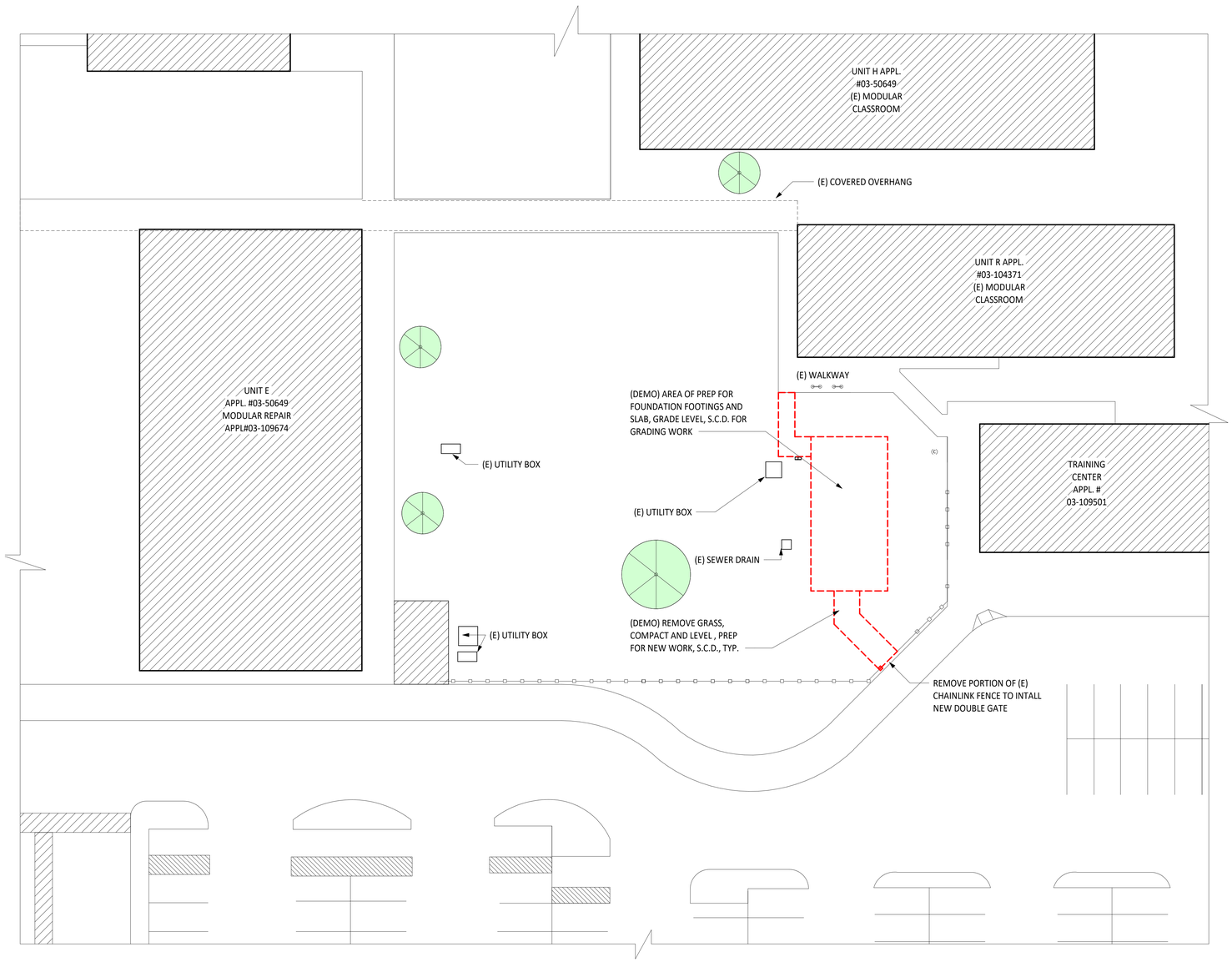
PROJECT NO.: **20175.01**
01/07/22

SHEET TITLE:

EROSION DETAILS

SHEET NO.:

C-410



DEMOLITION SITE PLAN 1

SCALE: 1/16" = 1'-0"

N

SHEET NOTES

1. FIELD VERIFY ALL DIMENSIONS , PRIOR TO INSTALLATION
2. REMOVE ANY OBSTRUCTIONS AT AREA OF WORK, COORDINATE WITH DISTRICT
3. PROTECT ALL EXISTING SITE AND BUILDING ELEMENTS.
4. FOR SITE UTILITIES & TRENCHING TO GREENHOUSE, SEE M.E.P. DRAWINGS FOR ADDITIONAL INFORMATION
5. FOR FOUNDATION AND SITE GRADING, S.C.D. FOR ADDITIONAL INFORMATION.
7. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

SITE LEGEND

- EXISTING BUILDING
- EXISTING ACCESSIBLE PATH OF TRAVEL
- DEMOLISH AREA
- (E) CHAIN LINK FENCE
- EXISTING TREE
- (E) EXISTING
- C EXISTING CLEANOUT
- EXISTING TREE

V2

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ARCHITECT STAMP

LICENSED ARCHITECT
MICHAEL R. SCHEIN
No. C-33445
RENEWAL DATE
FEB 28 2023
STATE OF CALIFORNIA

CONSULTANT

CONSULTANT STAMP

PROJECT OWNER:

EL MONTE UNION HIGH SCHOOL DISTRICT

3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:

SOUTH EL MONTE HIGH SCHOOL - NEW GREENHOUSE

1001 DURFEE AVE.,
SOUTH EL MONTE, CA 91733

MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

PROJECT NO.: **20175.01**

01/07/22

SHEET TITLE:

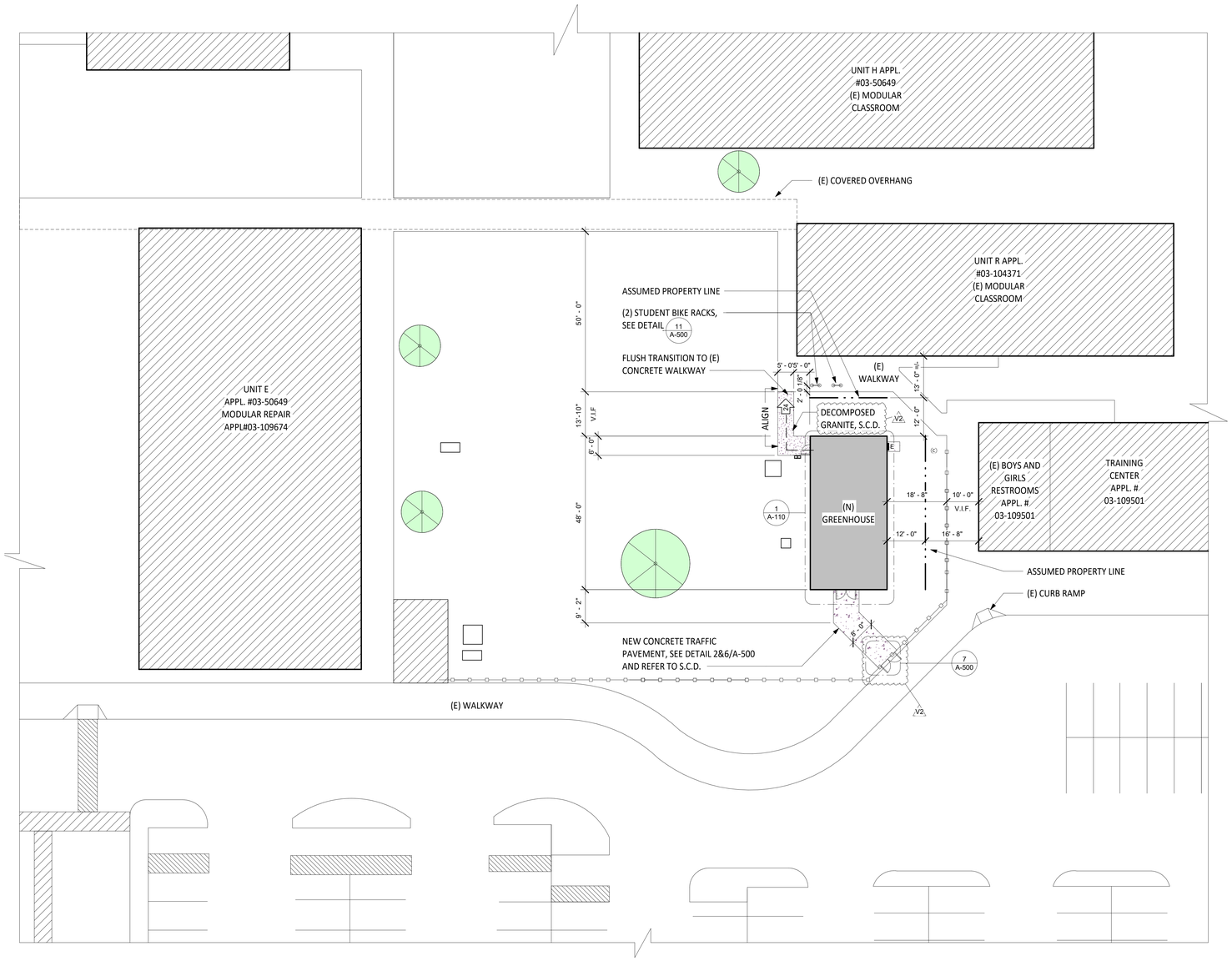
ENLARGED SITE PLAN - DEMO

V2

SHEET NO.:

A-001

6/28/2022 2:33:15 PM



ENLARGED SITE PLAN 1

SCALE: 1/16" = 1'-0"

N

SHEET NOTES

1. FIELD VERIFY ALL DIMENSIONS , PRIOR TO INSTALLATION
2. REMOVE ANY OBSTRUCTIONS AT AREA OF WORK, COORDINATE WITH DISTRICT
3. PROTECT ALL EXISTING SITE AND BUILDING ELEMENTS.
4. FOR SITE UTILITIES & TRENCHING TO GREENHOUSE, SEE M.E.P. DRAWINGS FOR ADDITIONAL INFORMATION
5. FOR FOUNDATION AND SITE GRADING, S.C.D. FOR ADDITIONAL INFORMATION.
7. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

SITE LEGEND

- EXISTING BUILDING
- NEW GREENHOUSE
- DECOMPOSED GRANITE, S.C.D.
- CONCRETE, S.C.D.
- EXISTING TREE
- C EXISTING CLEANOUT
- E ELECTRICAL PANEL
- (E) CHAIN LINK FENCE
- 0 OCCUPANT LOAD

REFERENCE IMAGES

1. AERIAL PERSPECTIVE OF SOUTH LAWN, GREENHOUSE LOCATION

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RENEWAL DATE
FEB 28 2023
STATE OF CALIFORNIA

CONSULTANT

CONSULTANT STAMP

PROJECT OWNER:

EL MONTE UNION HIGH SCHOOL DISTRICT

3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:

SOUTH EL MONTE HIGH SCHOOL -
NEW GREENHOUSE

1001 DURFEE AVE.,
SOUTH EL MONTE, CA 91733

MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

PROJECT NO.: **20175.01**

01/07/22

SHEET TITLE:

ENLARGED SITE PLAN

SHEET NO.:

A-101

6/28/2022 2:33:16 PM

11B-303.3 Beveled.

Changes in level between $^1/_4$ inch (6.4 mm) high minimum and $^1/_2$ inch (12.7 mm) high maximum shall be beveled with a slope not steeper than 1:2.

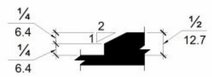
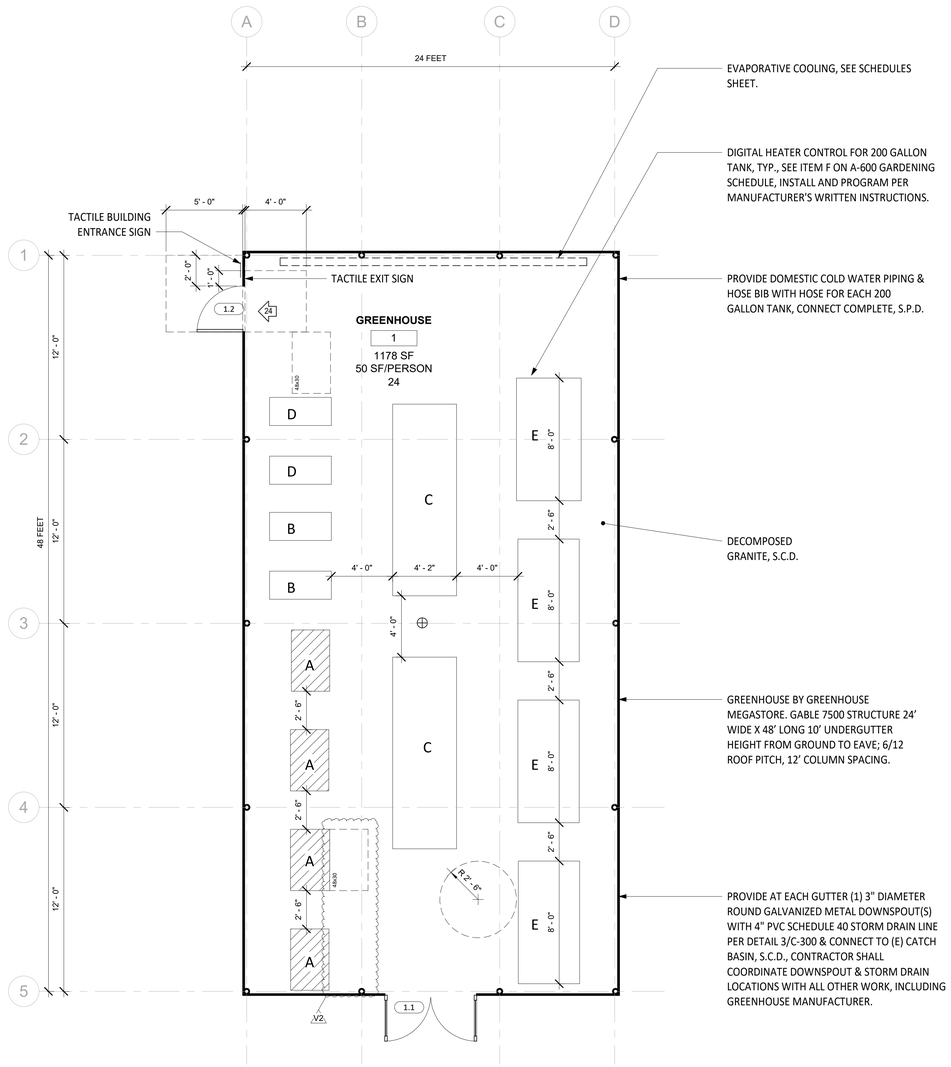


FIGURE 11B-303.3BEVELED CHANGE IN LEVEL

TYPICAL THRESHOLD 2

SCALE: 12" = 1'-0"



FLOOR PLAN 1

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

N

SHEET NOTES

V2

1. FIELD VERIFY ALL DIMENSIONS PRIOR TO WORK.
2. PROTECT ALL EXISTING SITE AND BUILDING ELEMENTS, U.O.N.
3. SEE ELECTRICAL & PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
4. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION
5. RELOCATE & SALVAGE EACH BUILT AND NATURE ELEMENTS AS NEEDED TO ACCOMODATE GREENHOUSE, RETURN TO DISTRICT.
6. SEE SHEET A-600 FOR ADDITIONAL INFORMATION.
7. G.C. TO HIRE ADDITIONAL CONSULTANT AQUAPONIC SOURCE OR APPROVED EQUAL CONSULTANT TO HELP WITH AQUAPONIC EQUIPMENT SOURCING AND INSTALLATION.
8. SEE CIVIL DRAWINGS FOR MORE INFORMATION.

FLOOR PLAN LEGEND

- -200E-A — DOOR TAG, SEE SCHEDULES SHEET
- CATCH BASIN, SEE CIVIL DRAWINGS
- DOOR, SEE SCHEDULES SHEET
- POLYCARBONATE GREENHOUSE, SEE SCHEDULES SHEET
- 48x30 — ADA CLEARANCE
- 4 — OCCUPANT LOAD

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MICHAEL R. SCHERR
No. C-33445
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FEB 28 2023
STATE OF CALIFORNIA

CONSULTANT

CONSULTANT STAMP

PROJECT OWNER:

EL MONTE UNION HIGH SCHOOL DISTRICT

3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:

SOUTH EL MONTE HIGH SCHOOL - NEW GREENHOUSE

1001 DURFEE AVE.,
SOUTH EL MONTE, CA 91733

MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

PROJECT NO.: **20175.01**
01/07/22

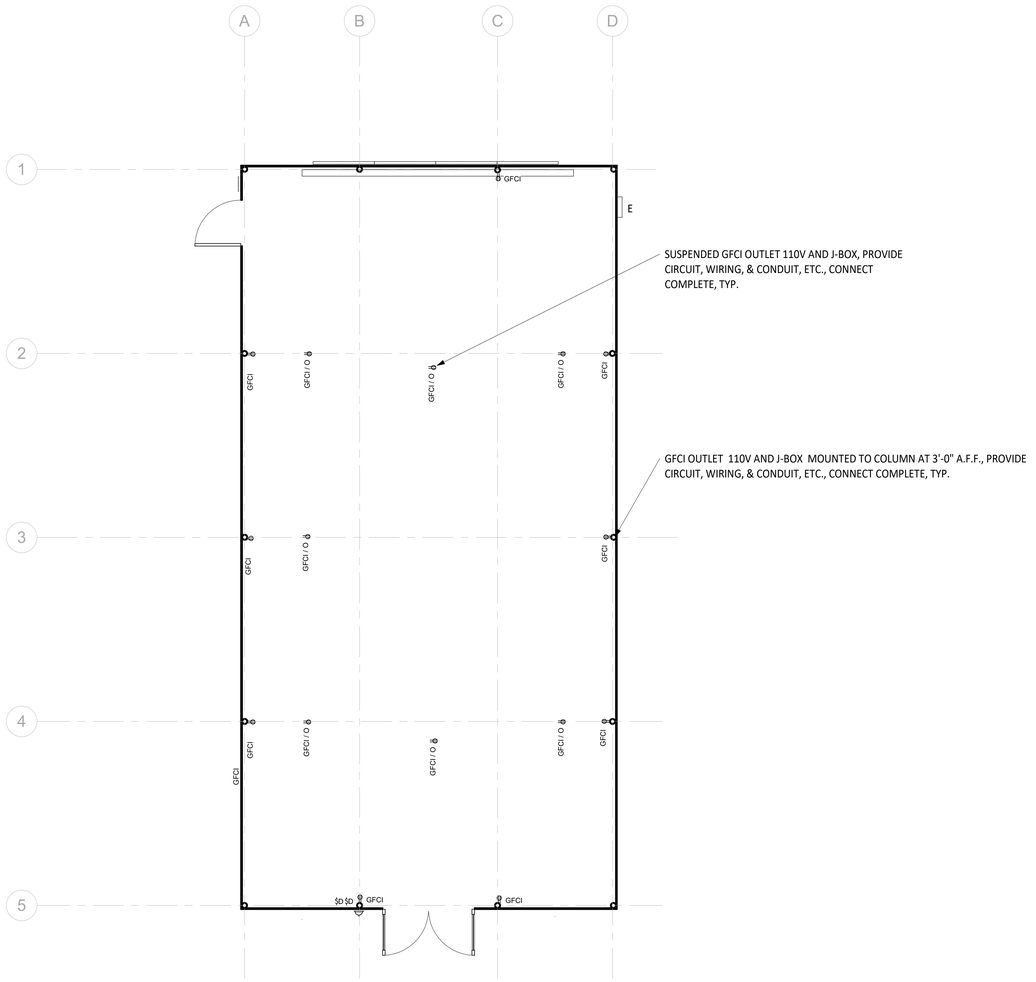
SHEET TITLE:

GREENHOUSE FLOOR PLAN

SHEET NO.:

A-110

6/28/2022 2:33:17 PM



GREENHOUSE LIGHTING AND POWER PLAN (1)

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

N

V2

SHEET NOTES

1. LAYOUT IS SCHEMATIC ONLY CONTRACTOR SHALL SIZE ALL NECESSARY EQUIPMENT.
2. CONTRACTOR SHALL VERIFY SIZE OF ELECTRICAL PANELS AND/OR SERVICE AND SHALL NOTIFY THE ARCHITECT IF ADDITIONAL ELECTRICAL EQUIPMENTS REQUIRED, V.I.F. PRIOR TO BID.
3. PROVIDE SMOKE & CARBON MONOXIDE DETECTORS WITH BATTERY BACK-UP, INCLUDING WIRING, CONDUIT, & CONNECT COMPLETE.
4. ALL STANDARD ELECTRICAL OUTLETS TO BE 12" FROM THE FLOOR U.N.O.
5. LUMINARIES SHALL BE SWITCHED WITH READILY ACCESSIBLE DIMMING CONTROLS (44" MAX., TO TOP OF OUTLET BOX, ABOVE FINISH FLOOR) & VACANCY SENSORS THAT PERMIT THE LUMINARIES TO BE MANUALLY SWITCHED ON AND OFF.
6. LIGHTING CONTROLS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS, U.O.N.
7. NO CONTROLS SHALL BYPASS A DIMMER OR VACANCY SENSOR FUNCTION WHERE THAT DIMMER OR VACANCY SENSOR HAS BEEN INSTALLED TO COMPLY WITH CALIFORNIA ENERGY CODE SECTION 150.0(K).
8. LIGHTING CONTROLS SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF CALIFORNIA ENERGY CODE SECTION 110.9.
9. SEE SHEET A-600 FOR ADDITIONAL INFORMATION.
10. PROVIDE ALL NECESSARY MECHANICAL, ELECTRICAL, & PLUMBING CONNECTIONS TO EQUIPMENT, ACCESSORIES, DEVICES, ETC., FOR COMPLETE INSTALLATION, PROGRAMMING, & FUNCTION, ETC., OF ALL EQUIPMENT, INCLUDING: LIGHTING, HEATING, COOLING, IRRIGATION, MOTORS, FANS, CONTROLLERS, SENSORS, SHADE SYSTEM, ETC.
11. PROVIDE CIRCUITS, WIRING, RIGID METAL CONDUITS, BOXES, ETC., GALVANIZED & SPECIFIED FOR EXTERIOR WET AREAS & FOR COMPLETE CONNECTION OF ALL EQUIPMENT, ACCESSORIES, DEVICES, SWITCHES, OUTLETS, ETC., TYP.
12. SWITCHING AND DIMMING CONTROLS SHALL BE 44" MAX. FROM FINISH GROUND, TYP.

LEGEND

GFCI	OUTLET, DUPLEX W/ JBOX AS NEEDED AT 3'-0"
GFCI / O	GROUND FAULT WITH AFCI OVERHEAD OUTLET WITH J-BOX AS NEEDED
E	ELECTRICAL PANEL, S.E.D.

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MICHAEL R. SCHEIN
No. C-33545
RENEWAL DATE
FEB 28 2023
STATE OF CALIFORNIA

CONSULTANT

CONSULTANT STAMP

PROJECT OWNER:

EL MONTE UNION HIGH SCHOOL DISTRICT

3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:

SOUTH EL MONTE HIGH SCHOOL - NEW GREENHOUSE

1001 DURFEE AVE.,
SOUTH EL MONTE, CA 91733

MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

PROJECT NO.: **20175.01**

01/07/22

SHEET TITLE:

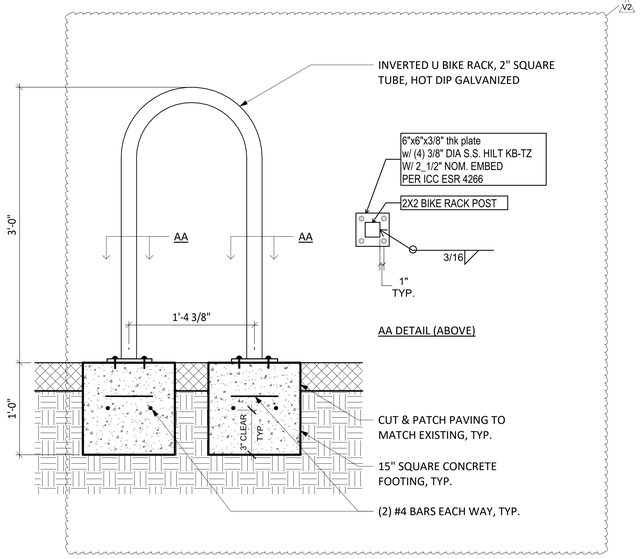
GREENHOUSE POWER PLAN

V2

SHEET NO.:

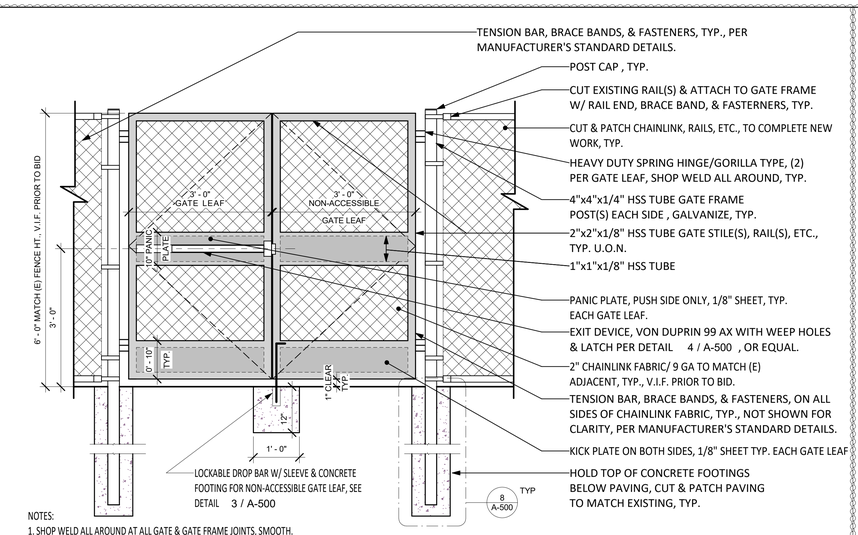
A-111

6/28/2022 2:33:17 PM



STUDENT BIKE RACK 11

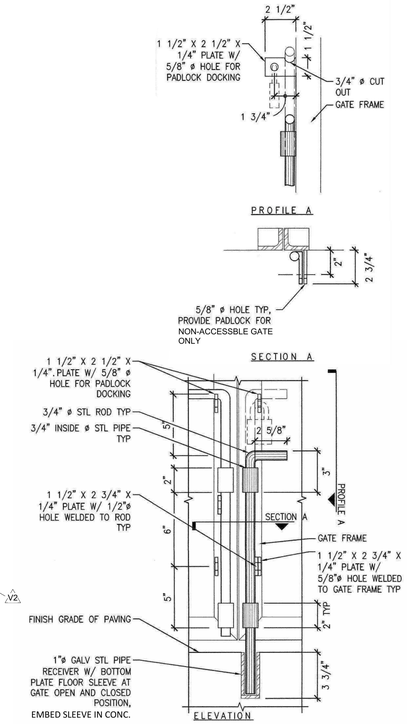
SCALE: 1 1/2" = 1'-0"



NOTES:
1. SHOP WELD ALL AROUND AT ALL GATE & GATE FRAME JOINTS, SMOOTH.
2. GALVANIZE ALL GATES, FRAMES, CHAINLINK, ETC., INCLUDING FINISH TO MATCH EXISTING ADJACENT FENCING, V.I.F. PRIOR TO BID.
3. SEE SPECIFICATION SECTION 32 31 00 FOR MORE INFORMATION.
4. THIS DETAIL IS NOT SUBJECT TO DSA REQUIREMENTS FOR THE STRUCTURAL TESTS / SPECIAL INSPECTIONS PER DSA IR A-22 OR THE 2019 CBC (INCLUDING DSA AMENDMENTS). THE PROJECT INSPECTOR SHALL VERIFY ALL CONSTRUCTION COMPLIES WITH THE APPROVED CONSTRUCTION DOCUMENTS.

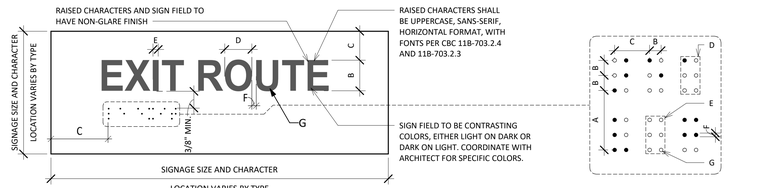
DOUBLE CHAINLINK GATE & FRAME 7

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



LOCKABLE DROP BAR 3

SCALE: 12" = 1'-0"



RAISED CHARACTER REQUIREMENTS AND LEGEND: COMPLY WITH CBC 11B-703.2, BUT NOT LIMITED TO:

A. CHARACTERS SHALL BE RAISED 1/32" MINIMUM ABOVE THEIR BACKGROUND.
B. CHARACTER HEIGHT SHALL BE A MINIMUM OF 5/8" AND A MAXIMUM OF 2" HIGH BASED ON THE UPPERCASE "I".
C. CHARACTERS SHALL BE SEPARATED FROM ANY RAISED BORDER OR DECORATIVE ELEMENT BY 3/8".
D. CHARACTER FONT PROPORTION WITH THE UPPERCASE 'O' WIDTH BEING 60 PERCENT MINIMUM TO 110 PERCENT MAXIMUM THE HEIGHT OF THE UPPERCASE 'I'.
E. CHARACTER STROKE THICKNESS OF THE UPPERCASE "I" SHALL BE 15 PERCENT MAXIMUM THE HEIGHT OF CHARACTER.
F. CHARACTERS THAT ARE RECTANGULAR IN CROSS SECTION SHALL BE A 1/8" MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM.
G. RAISED CHARACTERS SHALL HAVE EASED EDGES.
H. LINE SPACING: SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE RAISED CHARACTER HEIGHT.

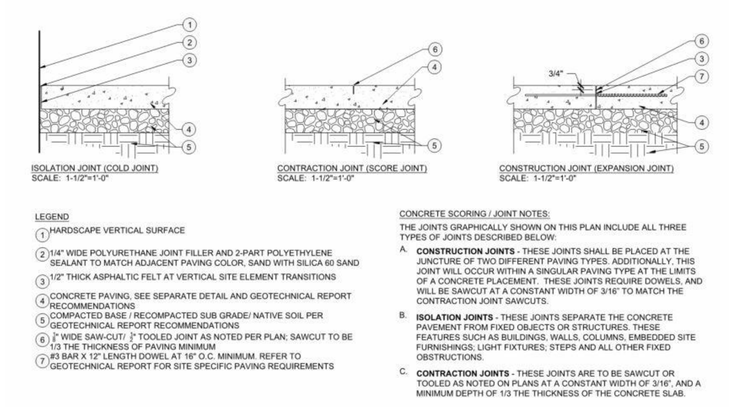
BRAILLE REQUIREMENTS AND LEGEND:

BRAILLE SHALL BE PER CBC 11B-703.3 INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: DISTANCES IN INCHES, MIN. TO MAX.

A. DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW: 0.395 TO 0.400
B. DISTANCE BETWEEN TWO DOTS IN THE SAME CELL: 0.100
C. DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS: 0.300
D. SINGLE BRAILLE CELL
E. BLANK CELL SPACE BETWEEN WORDS
F. BASE DIAMETER: 0.059 TO 0.063
G. DOMED OR ROUNDED SHAPE, HEIGHT: 0.025 TO 0.037

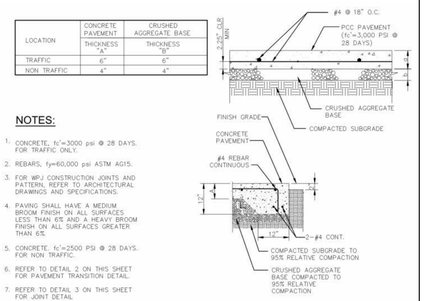
ACCESSIBLE TACTILE SIGN REQUIREMENTS 10

SCALE: 3" = 1'-0"



CONCRETE JOINTS 6

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

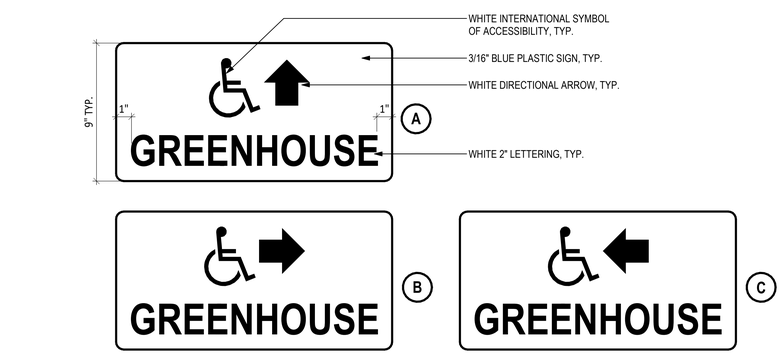


NOTES:
1. CONCRETE, fc'=3000 psi @ 28 DAYS. FOR TRAFFIC ONLY.
2. REBARS, fy=60,000 psi ASTM AG15.
3. FOR WPJ CONSTRUCTION JOINTS AND PATTERN, REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
4. PAVING SHALL HAVE A MEDIUM BROOM FINISH ON ALL SURFACES LESS THAN 6% AND A HEAVY BROOM FINISH ON ALL SURFACES GREATER THAN 6%.
5. CONCRETE, fc'=2500 PSI @ 28 DAYS. FOR NON TRAFFIC.
6. REFER TO DETAIL 2 ON THIS SHEET FOR PAVEMENT TRANSITION DETAIL.
7. REFER TO DETAIL 3 ON THIS SHEET FOR JOINT DETAIL.

EDGE OF RIGID PAVEMENT

CONCRETE PAVEMENT 2

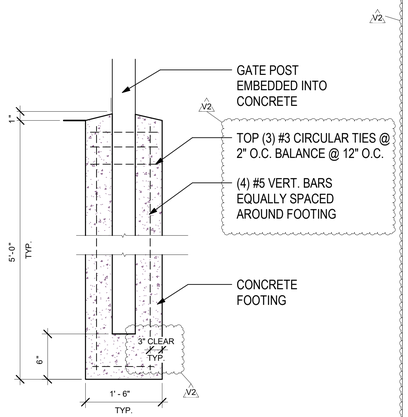
SCALE: 1 1/2" = 1'-0"



NOTES:
1. FOR WALL MOUNT, ATTACH SIGNS USING (4) FOUR SS SHEET METAL SCREWS, COUNTERSUNK AND ADHESIVE. MOUNT AT 70" AFF TO 120" AFF. CONFIRM LOCATION & MOUNTING HEIGHT WITH ARCHITECT.
2. MOUNT AT 80" AFF MIN WHEN SIGNAGE LOCATION IS ALONG ACCESSIBLE PATH OF TRAVEL.
3. SPACE SIGNAGE LESS THAN 15'-0".
4. PROVIDE SITE PLAN SHOWING SIGNAGE LOCATION, TYPE & MOUNTING.

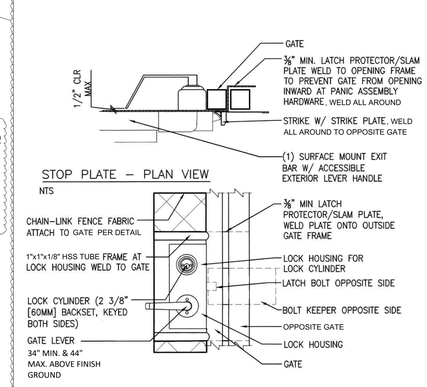
DIRECTIONAL SIGNAGE 9

SCALE: 3" = 1'-0"



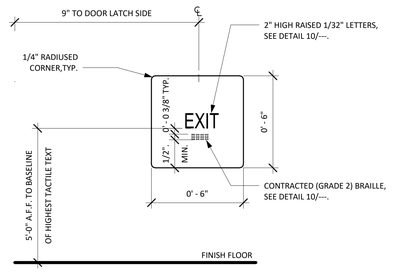
GATE FOOTING 8

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



ACCESSIBLE GATE LATCH 4

SCALE: 12" = 1'-0"



TACTILE EXIT SIGNAGE 1

SCALE: 3" = 1'-0"

6/28/2022 2:33:18 PM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122087 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 07/11/2022

CSDA DESIGN GROUP
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ARCHITECT STAMP

LICENSED ARCHITECT MICHAEL R. SCHEIN RC-33445 RENEWAL DATE FEB 28 2023 STATE OF CALIFORNIA

CONSULTANT

CONSULTANT STAMP

PROJECT OWNER:
EL MONTE UNION HIGH SCHOOL DISTRICT
3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:
SOUTH EL MONTE HIGH SCHOOL - NEW GREENHOUSE
1001 DURFEE AVE.,
SOUTH EL MONTE, CA 91733

MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

PROJECT NO.: 20175.01
01/07/22

SHEET TITLE:
DETAILS - TYPICAL

SHEET NO.:
A-500

DOOR AND FRAME SCHEDULE (VERIFY PRIOR TO BID)

MARK	ROOM NAME	WIDTH	DOOR			FRAME					FIRE RATING	HARDWARE GROUP	REMARKS
			HEIGHT	MAT.	FIN.	MAT.	FIN.	DETAIL HEAD	DETAIL JAMB	DETAIL THRESHOLD			
1.1	GREENHOUSE	6' - 0"	6' - 8"	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	2/A-A110	NONE	PER MANUFACTURER	GREENHOUSE STRUCTURE MFR DOOR & HARDWARE W/ LEVER LOCKSET & ACCESSIBLE THRESHOLD
1.2	GREENHOUSE	3' - 0"	6' - 8"	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	2/A-A110	NONE	PER MANUFACTURER	GREENHOUSE STRUCTURE MFR DOOR & HARDWARE W/ LEVER LOCKSET & ACCESSIBLE THRESHOLD

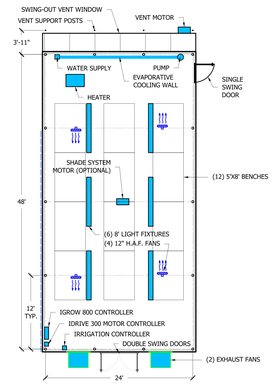
GARDENING EQUIPMENT TO BE PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR:

GARDENING EQUIPMENT (I.E. GROWING SYSTEMS)

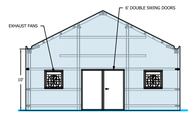
MARK	NAME	MANUFACTURER, OR APPROVED EQ. PRIOR TO BID	QUANTITY	MODEL NO., OR APPROVED EQUAL PRIOR TO BID	COMMENTS
A	MESA MINICAMP GRANDE (HYDROPONICS TABLE)	GREENHOUSE MEGASTORE, ETC.	4	HP-NG-MM	FURNISH, INSTALL, CONNECT COMPLETE, COORDINATE, PROGRAM, ETC., W/ MANUF.
B	MINICAMP VERTICAL JARDANIA RACK	GREENHOUSE MEGASTORE, ETC.	2	HP-NG-MJ	FURNISH, INSTALL, CONNECT COMPLETE, COORDINATE, PROGRAM, ETC., W/ MANUF.
C	MICROGREEN RACK	GREENHOUSE MEGASTORE, ETC.	2	HP-CKMG	FURNISH, INSTALL, CONNECT COMPLETE, COORDINATE, PROGRAM, ETC., W/ MANUF.
D	AQUILLA RED CEDAR POTTING BENCH	GREENHOUSE MEGASTORE, ETC.	2	BN-2000	FURNISH, INSTALL, CONNECT COMPLETE, COORDINATE, PROGRAM, ETC., W/ MANUF.
E	AQUAPONICS SYSTEM WITH 200 GALLON TANK	GREENHOUSE MEGASTORE, ETC.	4	HP-CKAP	FURNISH, INSTALL, CONNECT COMPLETE, COORDINATE, PROGRAM, ETC., W/ MANUF.
F	TRUE TEMP. DIGITAL HEATER CONTROL	AQUAPONIC USA, ETC.	4	T3-300	FURNISH, INSTALL, CONNECT COMPLETE, COORDINATE, PROGRAM, ETC., W/ MANUF.

GREENHOUSE BUILDING EQUIPMENT (**PROVIDE ADDITIONAL EQUIPMENT NOT LISTED, SEE SHEET NOTES & GREENHOUSE MEGASTORE)

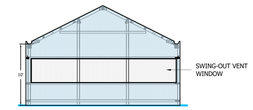
PRODUCT DESCRIPTION	QUANTITY	MODEL NO.	MEASUREMENT	AMPERAGE	VOLTAGE	WEIGHT	CFM	MANUFACTURER
J&D TYPHOON EXHAUST FAN	2	VNS30S8S0	30"	6.2/3.1	115/230	250+/-	NA	MEGASTORE, CONLEY'S, APROVED EQ. MANUFACTURER (MAY COME WITH GREENHOUSE)
ALUMINUM SHUTTER	4	VRSG48A	48.5"X48.5	NA	NA	NA	9,000	MEGASTORE, CONLEY'S, APROVED EQ. MANUFACTURER (MAY COME WITH GREENHOUSE)
HORIZONTAL AIR FANS	4	VK12	12"	1.3/0.65	115/230	18	1,470	MEGASTORE, CONLEY'S, APROVED EQ. MANUFACTURER (MAY COME WITH GREENHOUSE)
IGROW 800 ENVIRONMENTAL CONTROLLER	1	CT-4108	4"X6"	NA	NA	5+/-	NA	MEGASTORE, CONLEY'S, APROVED EQ. MANUFACTURER (COORDINATE WITH MAN.)
STAINLESS STEEL EVAPORATIVE SYSTEM FOR 6" PADS	1	EV-SS6	20'-0" X 4'-0"	NA	NA	NA	NA	MEGASTORE, CONLEY'S, APROVED EQ. MANUFACTURER (COORDINATE WITH MAN.)



PLAN



FRONT ELEVATION



REAR ELEVATION

DRAWING TITLE: GREENHOUSE FOUNDATION PLAN & DETAIL

JOB NAME: EL MONTE SCHOOL DISTRICT

Greenhouse Megastore — a division of International Greenhouse Company

JOB -

DATE 6-14-22

REV. - - -

SHEET GM1

SHEET NOTES

1. SEE SHEET G-001 FOR SHEET INDEX, ETC.
2. SEE GREENHOUSE FLOOR PLAN SHEET.
3. SEE GREENHOUSE POWER PLAN SHEET.
4. SEE SKETCH GM1 BY GREENHOUSE MEGASTORE.
5. PROVIDE GREENHOUSE, INCLUDING ALL EQUIPMENT, COMPONENTS, ACCESSORIES, DEVICES, ETC., BY GREENHOUSE MEGASTORE (U.O.N.) & THEIR ASSOCIATED MANUFACTURERS, OR SUBMIT AN EQUAL PRODUCT FOR REVIEW PRIOR TO BID, TYP.
6. CONTRACTOR SHALL COORDINATE WITH THE GREENHOUSE MANUFACTURER ON ALL EQUIPMENT, ACCESSORIES, DEVICES, ETC., THAT REQUIRE MECHANICAL, ELECTRICAL, AND PLUMBING CONNECTIONS FOR COMPLETE INSTALLATION. ALL LABOR, MATERIAL, ETC., ASSOCIATED WITH THIS WORK IS PART OF THIS CONTRACT AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
7. OMIT (12) BENCHES.
8. PROVIDE THE FOLLOWING (TO BE SELECTED BY ARCHITECT) FROM THE GREENHOUSE MEGASTORE'S FULL CATALOG (AVAILABLE ONLINE) & THEIR ASSOCIATED MANUFACTURERS, INCLUDING ALL LABOR, MATERIAL, ETC., FOR COMPLETE INSTALLATION (OR SUBMIT AN EQUAL PRODUCT FOR REVIEW PRIOR TO BID), TYP.:
   A. LED LIGHTING
   B. SHADE SYSTEM
   C. HEATING
   D. EVAPORATIVE COOLING SYSTEM
   E. CONTROLLERS
   F. FANS
   G. MOTORS
   H. IRRIGATION
   I. OPENINGS
   J. ETC.
9. ALL DOOR HARDWARE SHALL MEET REQUIREMENTS OF THE CALIFORNIA BUILDING CODE CHAPTER 11B. SEE GUIDE SPECIFICATION SECTION 08.71.00, FOR REFERENCE ONLY.
10. PROVIDE TYP. THRESHOLD AT EACH DOOR, SEE GREENHOUSE FLOOR PLAN SHEET.
11. PROVIDE CIRCUITS, WIRING, RIGID METAL CONDUITS, BOXES, ETC., GALVANIZED & SPECIFIED FOR EXTERIOR WET AREAS & FOR COMPLETE CONNECTION OF ALL EQUIPMENT, ACCESSORIES, DEVICES, SWITCHES, OUTLETS, ETC., TYP.

GREENHOUSE MEGASTORE

1. PROJECT DETAILS
   A. SENIOR TEACHING PACKAGE GABLE SERIES GREENHOUSE
   B. 1,152 SQUARE FEET GROWING SPACE
2. BUILDING DESCRIPTION
   A. GREENHOUSE STAND ALONE
   B. GABLE 7500 STRUCTURE 24' WIDE X 48' LONG 10' UNDERGUTTER HEIGHT FROM GROUND TO EAVE; 6/12 ROOF PITCH, 12' COLUMN SPACING.
   C. POST-IN-PIER COLUMN INSTALLATION
   D. SIDEWALLS AND GABLE END FRAMING AND GABLE FLASHING.
   E. ALUMINUM EXTRUSIONS AND FASTENERS FOR 8MM TWINWALL POLYCARBONATE FOR GABLE ENDS AND SIDE WALLS.
   F. ALUMINUM EXTRUSIONS AND FASTENERS FOR 8MM TWIN WALL POLYCARBONATE ROOF
   G. (1) CONTINUOUS END WALL VENT BEHIND EVAPORATIVE COOLING WALL
   H. FRAMING FOR TWO (2) EXHAUST FANS, ONE (1) SINGLE SWING DOORS, ONE (1) DOUBLE SWING DOOR.
   I. HEATER HANGER KIT
   J. GUTTER END CAP AND TWO (2) GUTTER END CAPS W/ DOWNSPOUT TRANSITIONS.
3. DESIGN LOADS/ENGINERING
   A. GREENHOUSE STRUCTURE LOAD RATINGS REQUIRED FOR ENGINEERING. ENGINEERED CALCULATIONS AND DRAWING WITH CA STATE ENGINEERS STAMP.
4. COVERING
   A. SUFFICIENT 8MM CLEAR TWIN WALL POLYCARBONATE STRUCTURED SHEETS TO COVER GABLE END WALLS, SIDE WALLS, AND ROOF OF GREENHOUSE AREA
5. HEATING
   A. (1) MODINE HER 200 ELECTRIC HEATER, POWER OPTIONS BELOW.
      a. 208V 3 PHASE / 56.8 AMPS
      b. 240V 3 PHASE / 49.4 AMPS
      c. 480V 3 PHASE / 25.3 AMPS
6. AIR CIRCULATION
   A. (4) HORIZONTAL AIR FLOW (HAF) FANS 12"
7. COOLING
   A. (2) 30" EXHAUST FANS WITH SLOP WALL HOUSING
   B. (1) 36" TALL X 6" THICK X 24' WIDE EVAPORATIVE COOLING WALL COMPLETE WITH PUMP AND RESERVOIR
   C. (1) CONTINUOUS END WALL VENT WITH EXTERNAL RACK & PINION AND MOTOR
8. DOORS
   A. (1) PLYCO 3' WIDE SINGLE SWING DOOR WITH ADA SILL & LOCKSET
   B. (1) PLYCO 6' WIDE DOUBLE STEEL DOOR WITH ADA SILL & LOCKSET
9. CONTROLS
   A. (1) LINK4 FULLY PROGRAMMABLE CONTROLLER WITH INTEGRATED CONTACTOR CABINET, TEMP/HUMIDITY SENSORS AND DRAWINGS. ACCESSED FROM THE CLOUD.
10. INTERIOR AUTO SHADE SYSTEM
    A. SLOPE/FLAT/SLOPE INTERIOR AUTOMATED SHADE SYSTEM WITH MOTOR. CONTROLLED BY GREENHOUSE CONTROLLER
11. LIGHTING
    A. (6) 8' LONG – 6 BULB LED LIGHTS FOR GENERAL LIGHTING
12. IRRIGATION
    A. FILTER, WATER PRESSURE REGULATOR, SOLENOIDS, MULTI STAGE CONTROLLER, TUBING, FITTINGS FOR OVERHEAD MISTING DELIVERY. INCLUDES LINK4 IRRIGATION CONTROLLER WITH 8 CHANNELS. ACCESSED FROM THE CLOUD.
13. SEE SKETCH GM1 FOR MORE INFORMATION.

IDENTIFICATION STAMP
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SS ☐ FLS ☐ ACS ☑
DATE: 07/11/2022

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ARCHITECT STAMP

LICENSED ARCHITECT
MICHAEL R. SCHOEN
No. C-33545
RENEWAL DATE FEB 28 2023
STATE OF CALIFORNIA

CONSULTANT

CONSULTANT STAMP

PROJECT OWNER:
EL MONTE UNION HIGH SCHOOL DISTRICT
3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:
SOUTH EL MONTE HIGH SCHOOL - NEW GREENHOUSE
1001 DURFEE AVE.,
SOUTH EL MONTE, CA 91733

MARK	DATE	DESCRIPTION
V2		DSA V2 SUBMITTAL

PROJECT NO.: **20175.01**
01/07/22

SHEET TITLE:
SCHEDULES

SHEET NO.:
A-600

6/28/2022 2:33:19 PM

V2

GENERAL NOTES:

1. DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE OF SAME NATURE AS THOSE SHOWN FOR SIMILAR CONDITIONS. REFER TO THE TYPICAL DETAIL SHEETS FOR TYPICAL DETAILS OF CONSTRUCTION. TYPICAL DETAILS APPLY TO ALL CONSTRUCTION UNLESS SPECIFICALLY NOTED OR SHOWN OTHERWISE. WHERE CONDITIONS REQUIRE MODIFICATIONS OF A TYPICAL DETAIL, THE CONTRACTOR SHALL SUBMIT MODIFIED DETAIL FOR APPROVAL BY THE ENGINEER OF RECORD PRIOR TO FABRICATION AND INSTALLATION. DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE OF SAME NATURE AS THOSE SHOWN FOR SIMILAR CONSTRUCTION.

2. CONTRACTOR SHALL CONSIDER THE PROJECT SPECIFICATIONS A PART OF THE CONTRACT DOCUMENTS. WHERE INFORMATION IS CONFLICTING, SPECIFIC DETAILS SHALL GOVERN OVER TYPICAL DETAILS WHICH SHALL GOVERN OVER THESE NOTES WHICH SHALL GOVERN OVER SPECIFICATIONS.

3. ALL DIMENSIONS ON STRUCTURAL DRAWINGS SHALL BE CHECKED AGAINST ARCHITECTURAL DIMENSIONS. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE OMITTED OR NOT CLEAR, CONTACT THE ARCHITECT (ARCH) OR STRUCTURAL ENGINEER OF RECORD (SEOR). ALL DIMENSIONS RELATED TO EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR. DIMENSIONS ARE TO THE FACE OF STUDS, AND TO CENTERLINE OF COLUMNS UNO.

4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY NOTIFY THE SEOR OF ANY CONFLICTS BETWEEN THE STRUCTURAL DRAWINGS AND OTHER DRAWINGS; OR EXISTING CONDITIONS NOT SHOWN OR DIFFERENT FROM THOSE SHOWN ON DRAWINGS PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE BUILDING THAT IS IN CONFLICT UNTIL THE CONFLICT IS RESOLVED WITH THE AFFECTED PARTIES.

5. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE SHOWN THEY DO NOT INDICATE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE CONSTRUCTION AND ALL ADJACENT PROPERTIES DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT ARE NOT LIMITED TO BRACING, SHORING OF LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR SEOR SHALL NOT INCLUDE OBSERVATION OF THE ABOVE ITEMS.

6. SUBSTITUTION REQUESTS FOR MATERIALS SPECIFIED ON THE STRUCTURAL DRAWINGS MAY BE CONSIDERED WITH MATERIALS HAVING EQUIVALENT OR GREATER CAPACITY AND PERFORMANCE. CURRENT EVALUATION REPORTS AND PRODUCT INFORMATION SHALL BE PROVIDED TO THE STRUCTURAL ENGINEER DEMONSTRATING THE REQUIRED CAPACITY AND PERFORMANCE OF THE MATERIAL TO BE SUBSTITUTED. WRITTEN APPROVAL FROM THE SEOR SHALL BE OBTAINED PRIOR TO THE SUBSTITUTION OF ANY MATERIAL SPECIFIED ON THE STRUCTURAL DOCUMENTS.

7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA, LATEST EDITION, AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT. THE ARCHITECT, SEOR, AND THE OWNER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.

8. ALL WORK IS NEW (N) UNLESS INDICATED AS EXISTING (E).

9. CONSTRUCTION MATERIALS SHALL BE DISTRIBUTED WHEN PLACED ON THE STRUCTURE SUCH THAT LOADS DO NOT EXCEED DESIGN LIVE LOADS OR RESULT IN AN UNBALANCED CONDITION.

10. REFER TO THE PROJECT SPECIFICATIONS FOR SHOP DRAWING REQUIREMENTS AND SUBMITTALS.

STRUCTURAL DESIGN CRITERIA:

1. CODES:
   ALL WORK SHALL BE IN CONFORMANCE WITH THE CALIFORNIA BUILDING CODE (CBC) 2019 EDITION, INCLUDING ALL AMENDMENTS.
   ALL STANDARDS USED SHALL BE THE LATEST VERSION APPROVED BY THE CODE ENFORCEMENT AGENCY ON THE DATE OF THE PERMIT ISSUANCE UNLESS SPECIFICALLY NOTED OTHERWISE.

2. WIND DESIGN INFORMATION

RISK CATEGORY = III	Kd =0.85	Kzt = 1.0	
BASIC WIND SPEED Vfm = 101 MPH (3 SEC GUST)			EXPOSURE = C
INTERNAL PRESSURE COEFF. = +/- 0.18			

3. SEISMIC DESIGN INFORMATION

I = 1.25	RISK CATEGORY = 1.25			SITE CLASS = D (DEFAULT)
S_{DS} = 1.878	S1 = 0.673	SDS = 1.503	SD1 = 0.673	
SEISMIC DESIGN CATEGORY = D				

FOUNDATION NOTES (NO SOILS REPORT):

1. NO SOILS REPORT AVAILABLE; THEREFORE, MINIMUM VALUES USED PER *2019 CBC*.

2. ALLOWABLE VERTICAL BEARING PRESSURE = 1500 PSF
   ALLOWABLE LATERAL BEARING PRESSURE = 100 PSF PER FT OF DEPTH

3. THE CONTRACTOR SHALL CONFORM TO ALL RECOMMENDATIONS AND CONDITIONS INDICATED IN THE *2019 CBC*. A GEOTECHNICAL ENGINEER SHALL OBSERVE ALL FOOTING EXCAVATIONS PRIOR TO PLACING CONCRETE.

4. SUBSURFACE SOIL PREPARATION:
   A. ALL EXISTING UNDOCUMENTED FILL AND TOPSOILS SHALL BE REMOVED AND RECOMPACTED. BACKFILL SHALL BE FREE OF ORGANIC MATERIAL, CONSTRUCTION DEBRIS, COBBLE AND BOLDERS.
   B. ALL EXPANSIVE SOIL SHALL BE REMOVED PER *CBC 1808A.6.3*
   C. GEOTECHNICAL ENGINEER SHALL BE RETAINED DURING THE OVEREXCAVATION PROCESS. THE ACTUAL DEPTH OF REMOVAL WILL BE DETERMINED DURING GRADING OPERATIONS TO CONFIRM COMPETENT NATIVE SOIL MATERIALS ARE ENCOUNTERED.
   D. OFFSITE FILL MATERIAL SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.

5. COMPACTED ENGINEERED FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS OF 6 TO 8 INCHES AND SHALL HAVE AN IN-PLACE DRY DENSITY IS NOT LESS THAN 90 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D1557. THE COMPACTION SHALL BE VERIFIED BY SPECIAL INSPECTION.

6. CONTRACTOR SHALL PROTECT ALL UTILITY LINES, ETC. ENCOUNTERED DURING EXCAVATION AND BACKFILLING.

7. ALL TRENCHES SHALL COMPLY WITH APPLICABLE OSHA REQUIREMENTS.

8. PRIOR TO REINFORCEMET FOR FOUNDATIONS BEING PLACED, THE SOILS ENGINEER SHALL PREPARE AND SUBMIT A VERIFIED REPORT AS REQUIRED BY THE CALIFORNIA ADMINISTRATIVE CODE. THE REPORT SHALL INDICATE THAT ALL TESTS AND INSPECTION REQUIRED BY THE APPROVED CONSTRUCTION DOCUMENTS WERE COMPLETED AND THAT THE TESTED MATERIALS AND/OR INSPECTED WORK MEET THE REQUIREMENTS OF THE APPROVED CONSTRUCTION DOCUMENTS.
   THE REPORT SHALL ALSO STATE THAT:
   A. THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT.
   B. THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED.
   C. THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE SOILS REPORT.

STATEMENT OF SPECIAL INSPECTIONS (DSA):

1. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

2. SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVED FABRICATORS MUST SUBMIT A CERTIFICATE OF COMPLIANCE FOR OFFSITE FABRICATIONS SUCH AS STRUCTURAL STEEL, PRECAST CONCRETE, GLUED LAMINATED TIMBER, ETC.

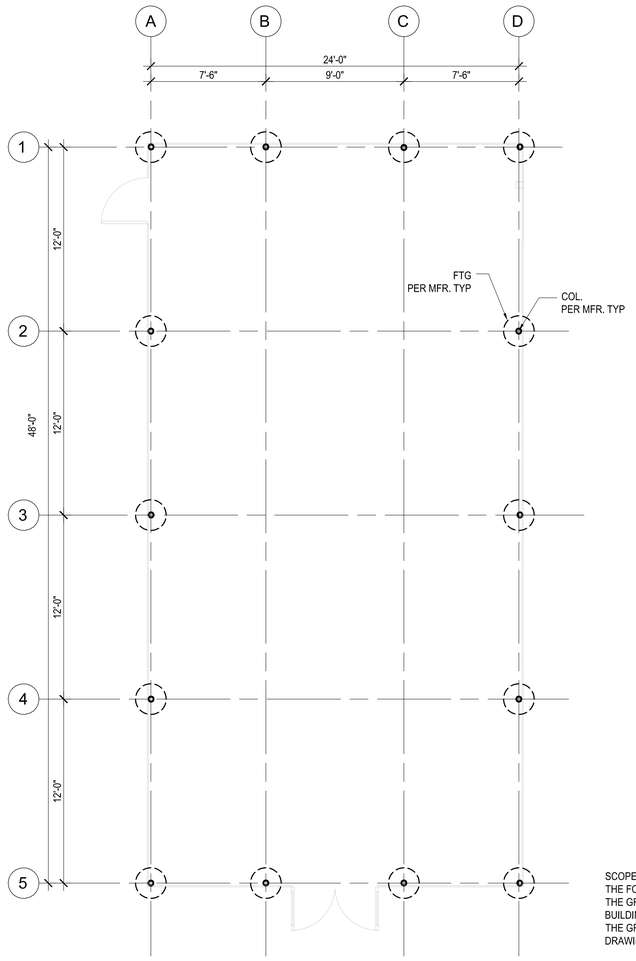
3. ALL INSPECTIONS SHALL BE PERFORMED BY INDEPENDENT SPECIAL INSPECTORS. JOB SITE VISITS BY THE STRUCTURAL ENGINEER OR BUILDING OFFICIAL DO NOT CONSTITUTE AND ARE NOT A SUBSTITUTE FOR INSPECTIONS BY A SPECIAL INSPECTOR.

4. ALL INSPECTION REPORTS SHALL BE SUBMITTED TO DSA AND SEOR THE FINAL REPORTS BY THE SPECIAL INSPECTOR(S) MUST CERTIFY THAT THE ENTIRE STRUCTURAL SYSTEM COMPLIES WITH THE APPROVED PLANS AND SPECIFICATIONS.

5. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT THESE INSPECTIONS ARE PERFORMED.

6. WORK REQUIRING SPECIAL INSPECTION SHALL BE INSPECTED BY THE SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS PERFORMED AND AT THE COMPLETION OF WORK. CONTINUOUS INSPECTION CONSISTS OF FULL-TIME INSPECTION; PERIODIC INSPECTION CONSISTS OF PART-TIME OR INTERMITTENT INSPECTION.

7. PERFORM ALL TESTING AND INSPECTION PER CALIFORNIA BUILDING CODE CHAPTER 17A.



SCOPE OF WORK:
THE FOUNDATION PLAN PROVIDED HEREIN IS FOR ILLUSTRATION PURPOSE ONLY.
THE GREENHOUSE STRUCTURE AND FOUNDATIONS ARE CONSIDERED A NON-CLASSROOM BUILDING PER DSA IR A-22 AND IS EXEMPT FROM DSA REVIEW.
THE GREENHOUSE MANUFACTURED SHALL PROVIDE FULLY DETAILED AND CALCULATED DRAWINGS USING THE DESIGN CRITERIA UNDER STRUCTURAL DESIGN & FOUNDATION NOTES.

1 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

N

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122087 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 07/11/2022

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ARCHITECT STAMP

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Fax. 949.679.9370
Project No.: H671

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER
KEVIN A. KEUN
No. S4029
Exp. 9/30/22
CIVIL
STATE OF CALIFORNIA

PROJECT OWNER:
EL MONTE UNION HIGH SCHOOL DISTRICT
3537 JOHNSON AVENUE
EL MONTE, CA, 91731

PROJECT NAME:
SOUTH EL MONTE HIGH SCHOOL
1001 DURFEE AVE.,
SOUTH EL MONTE, CA 91733

MARK	DATE	DESCRIPTION
	01-07-2022	100% CD SET
	03-03-2022	DSA SUBMITAL

PROJECT NO.: **20175.01**
01/07/22

SHEET TITLE:
GREENHOUSE FOUNDATION PLAN AND NOTES

SHEET NO.:
S-001

12/13/2021 12:20:38 PM

ELECTRICAL SPECIFICATIONS

1. GENERAL PROVISIONS
   - A. THE REQUIREMENTS OF THE SPECIFICATIONS, THE FOREGOING ARCHITECTURAL GENERAL NOTES AND MECHANICAL NOTES SHALL APPLY TO ALL WORK HEREUNDER.
   - B. THE ELECTRICAL WORK SHALL BE INSTALLED IN STRICT COMPLIANCE WITH NEC 2017, CEC 2019, LAEC 2017, T-24 REGULATION AND ORDINANCES, AND AUTHORITIES HAVING JURISDICTION.
   - C. CONTRACTOR IS DIRECTED TO OBTAIN AND REVIEW BUILDING CONSTRUCTION STANDARDS. WORK SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS WHETHER OR NOT SUCH ARE REPEATED HEREIN OR ON PLANS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CONFLICTS BETWEEN BUILDING STANDARDS AND THESE DRAWINGS.
   - D. CONTRACTOR SHALL VISIT SITE AND BE FULLY COGNIZANT OF ALL CONDITIONS PRIOR TO PROPOSAL. NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN DOCUMENTS AND EXISTING CONDITIONS.
   - E. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES OR RECOGNIZED TESTING AGENCY.
   - F. FIRE ALARM SYSTEM EQUIPMENT SHALL ALSO BE APPROVED BY STATE FIRE MARSHALL.
2. SCOPE
   - A. FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT AND LABOR AS SHOWN AND AS NECESSARY FOR COMPLETE WORKABLE SYSTEM.
   - B. OBTAIN AND PAY FOR ALL REQUIRED FEES, PERMITS AND INSPECTIONS.
   - C. GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR FROM DATE OF FILING NOTICE OF COMPLETION.
   - D. DISCONNECT AND REMOVE ALL DEVICES, CONDUIT AND WIRE NOT BEING REUSED WITHIN REMODEL AREAS. DETERMINE FROM OWNER EQUIPMENT TO BE SALVAGED. REMOVE ALL OTHER FROM SITE. SEAL ALL UNUSED FLOOR PENETRATIONS WITH APPROVED FIRE RATED ABANDONMENT PLUG. RECIRCUIT AS REQUIRED TO LEAVE AREAS ADJACENT TO REMODEL IN SERVICE.
   - E. THE PROJECT IS THE RENOVATION OF AN EXISTING LIBRARY CONVERTING TO OFFICES, AND INVOLVED WORK OUTSIDE THE SCOPE COORDINATE THIS WORK TO MAINTAIN ELECTRICAL SERVICE AT ALL TIMES TO THE COMPLETE FACILITY.
3. SUBMITTALS
   - A. PROVIDE CATALOG CUTS OR SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO PROCUREMENT FOR THE FOLLOWING EQUIPMENT AND ITEMS:
     - a. LIGHTING FIXTURES AND CONTROL DEVICES
     - b. SWITCHES, OUTLETS AND WALL PLATES
4. RECORD DRAWINGS
   - A. SUBMIT AT THE PROJECT COMPLETION AND PRIOR TO FINAL PAYMENT ONE SET OF RECORD PRINTS NOTING ACTUAL ROUTINGS OF CONDUITS, EQUIPMENT LOCATIONS, ETC., AS WELL AS ANY REVISIONS MADE TO DESIGN DRAWINGS. SUBMIT WITH RECORD PRINTS TWO COPIES OF AVAILABLE EQUIPMENT MANUALS, SERVICE RECOMMENDATIONS, GUARANTEES, ETC.
   - B. CIRCUIT NUMBERS FOR ALL FIXTURES AND DEVICES (NEW AND EXISTING) WITHIN THE AREA OF WORK SHALL BE VERIFIED AND INDICATED ON RECORD DRAWINGS. PANEL SCHEDULES SHALL BE CORRECTED TO REFLECT ACTUAL INSTALLATION.
5. COORDINATION
   - A. COORDINATE ALL WORK WITH ARCHITECTURAL, MECHANICAL AND STRUCTURAL DRAWINGS. INSTALL ALL WORK TO CLEAR NEW AND EXISTING ARCHITECTURAL AND STRUCTURAL MEMBERS. NO ITEM SUCH AS PIPE, DUCT, ETC. SHALL BE IN CONTACT WITH ANY ELECTRICAL EQUIPMENT.
   - B. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIXTURES, DEVICES, OUTLETS, ETC.
6. RELATED WORK
   - A. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING NECESSARY FOR INSTALLATION OF HIS WORK.
   - B. OBTAIN WRITTEN PERMISSION FROM ARCHITECT AND GENERAL CONTRACTOR BEFORE PROCEEDING WITH ANY CUTTING OR PATCHING OF STRUCTURAL SYSTEMS, INCLUDING FLOOR SLABS.
   - C. REFINISH MARRED OR DAMAGED FACTORY FINISHED EQUIPMENT.
   - D. CONNECT ALL CONTRACTOR AND OWNER FURNISHED EQUIPMENT AND PROVIDE AND INSTALL REQUIRED DISCONNECTING MEANS.
   - E. RESTORE ALL DAMAGE RESULTING FROM YOUR WORK AND LEAVE PREMISES IN CLEAN CONDITION WHEN FINISHED WITH WORK.
7. DISTRIBUTION AND GROUNDING
   - A. PANELBOARDS SHALL BE BOLTED TYPE CIRCUIT BREAKERS MATCHING BUILDING STANDARDS, WHERE BUILDING STANDARDS DO NOT DESIGNATE MANUFACTURER, PROVIDE SQUARE D NQOD. ALL 15/1 AND 20/1 CIRCUIT BREAKERS SHALL BE "SWD" RATED AND MARKED.
   - B. PROVIDE GROUNDING SYSTEM COMPLYING WITH THE CODES AND ORDINANCES SPECIFIED. GROUNDING SYSTEM SHALL PROVIDE CONTINUITY THROUGH ENTIRE ELECTRICAL SYSTEM.
8. CONDUIT AND RACEWAYS
   - A. PROVIDE COMPLETE CONDUIT OR RACEWAY SYSTEM FOR ALL CIRCUITS AND WIRING OVER 100 VOLTS AND AS DESIGNATED FOR LOW VOLTAGE AND SIGNAL SYSTEMS CIRCUITS AND WIRING.
     - a. ALL EXPOSED OR DAMP LOCATIONS OR LARGER THAN 2" SHALL BE GALVANIZED ELECTRICAL METALLIC TUBING (E.M.T.) CONDUIT UON.
     - b. INTERIOR DRY LOCATIONS ABOVE GROUND SHALL BE GALVANIZED E.M.T. CONDUIT COUPLED WITH SET SCREW TYPE FITTINGS.
     - c. CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE FLEXIBLE CONDUIT, MAXIMUM LENGTH 24", WITH PLASTIC BUSHED CONNECTIONS. 1/2" MINIMUM.
     - d. CONNECTIONS TO LIGHTING FIXTURES IN T-BAR SUSPENDED CEILINGS SHALL BE FLEXIBLE CONDUIT.
     - e. FLEXIBLE STEEL CONDUIT OR W/C CABLE MAY BE USED IN DRY CONCEALED LOCATIONS FOR BRANCH CIRCUIT DISTRIBUTION BUT NOT HOMERUNS.
     - f. UNDER GROUND CONDUIT SHALL BE SCHEDULE 40 PVC OR RIGID STEEL CONDUIT, BURIED A MINIMUM OF 24" BELOW GRADE.
   - B. RUN ALL WIRES IN CONDUIT CONCEALED WHEREVER POSSIBLE IN CEILING, WALL OR FLOOR SPACES. RUN CLOSE TO STRUCTURE, PARALLEL TO BUILDING LINES. EXPOSED RACEWAY IN STAIRWELL, EQUIPMENT ROOMS, ETC. SHALL TIGHTLY CONFORM TO BUILDING OUTLINES SO AS TO BE AS INCONSPICUOUS AS POSSIBLE.
   - C. RUN ALL WIRES IN CONDUIT CONCEALED WHEREVER POSSIBLE IN CEILING, WALL OR FLOOR SPACES. RUN CLOSE TO STRUCTURE, PARALLEL TO BUILDING LINES. EXPOSED RACEWAY IN STAIRWELL, EQUIPMENT ROOMS, ETC. SHALL TIGHTLY CONFORM TO BUILDING OUTLINES SO AS TO BE AS INCONSPICUOUS AS POSSIBLE.
   - D. PROVIDE FISH-CORD IN ALL EMPTY CONDUIT.
   - E. PROVIDE INSULATING BUSHINGS ON ALL TERMINATIONS OF CONDUIT.
   - F. SUSPEND ALL CONDUIT RUNS. SINGLE AND DOUBLE RUNS OF 1/2" OR 3/4" CONDUIT AND SINGLE RUNS OF 1" C MAY BE ATTACHED TO 12 GAUGE OR HEAVIER CEILING SUSPENSION WIRES (WHERE PERMITTED BY LOCAL CODE AUTHORITIES). MULTIPLE CONDUIT RUNS AND SINGLE RUNS LARGER THAN 1" SHALL BE SUPPORTED DIRECTLY TO STRUCTURE OR SUSPENDED ON THREADED RODS TO CLEVIS MOUNTS OR UNISTRUCT TRAPEZES. THREADED ROD SUSPENSIONS FURTHER THAN 12" FROM STRUCTURE SHALL BE INSTALLED WITH STATE APPROVED SEISMIC SUPPORT AND BRACING SYSTEMS SUCH AS SUPER-STRUT KIN-LINE OR EQUIVALENT.
   - G. ALL JUNCTION BOXES SHALL BE LABELED IDENTIFYING PANEL NUMBER AND CIRCUITS WHICH ROUTE THROUGH THE BOX.
   - H. ALL ELECTRICAL CONDUIT OR RACEWAY CROSSING SEISMIC SEPARATION OR EXPANSION JOINTS SHALL BE PROVIDED WITH APPROVED FLEXIBLE CONNECTORS.
9. WIRE
   - A. WIRE SHALL BE TYPE THWN/THHN, 600 VOLT COPPER, BEARING UL LABEL. CONDUCTORS #8 OR LARGER SHALL BE STRANDED, CONDUCTORS #10 AND SMALLER SHALL BE SOLID. BRANCH CIRCUIT WIRE SHALL BE #12 MIN. FOR 120V. WIRE COLOR CODING SHALL MATCH EXISTING, AND SHALL BE NOTED ON AS-BUILT PLANS. BOTH ENDS OF ALL WIRE RUNS SHALL BE LABELED W/ NUMBERED PRESSURE LABELS. SPLICE ONLY IN ACCESSIBLE JUNCTION OR OUTLET BOXES. SCREW-ON CONNECTORS SHALL BE NEATLY INSTALLED; GROUPED, LACED OR CLIPPED, AND FANNED OUT TO/FROM TERMINAL.
10. DEVICES
    - A. TYPES OF ALL SWITCHES, RECEPTACLES AND WALL PLATES SHALL BE AS APPROVED BY ARCHITECT. VERIFY MATERIALS AND COLOR AND LOCATION WITH ARCHITECT.
    - B. RECEPTACLES SHALL BE NEMA 5-20R SPEC GRADE U.O.N. ON PLANS OR BY ARCHITECT. DEDICATED CIRCUIT OUTLET SHALL BE NEMA 5-20R.
    - C. SWITCHES SHALL BE RATED 120/277 VOLT SPEC GRADE.
    - D. DEVICE HEIGHT (TO CENTER OF DEVICE): RECEPTACLES AND TELEPHONE JACKS - 15" IN OPEN WALL AREAS, 6" ABOVE SPLASH AT BUILT IN COUNTER OR LAVATORY LOCATIONS.
    - E. SWITCHES - 42". CLOCK - 84". WALL TELEPHONE - 54". UNLESS OTHERWISE NOTED IN ARCHITECTURAL DRAWINGS.
    - F. DEVICE INSTALLATION: DEVICES MOUNTED IN A COMMON WALL SHALL BE OFFSET HORIZONTALLY A MINIMUM OF 8" IN REGULAR WALLS AND 24" IN ONE-HOUR RATED OCCUPANCY SEPARATION WALLS. NO BOXES SHALL BE INSTALLED BACK TO BACK. ALL UNUSED HOLES IN BOXES SHALL BE SLUGGED OR SEALED.
13. ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF LOS ANGELES RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT.
14. CONTRACTOR SHALL PROVIDE A TIE TO CIRCUIT BREAKERS TO CIRCUITS AT PANEL BOARD FOR PRE-WIRED FURNITURE PER NEC-210-4-B, 605.6 AND 605.7. FOR ADDITONAL DETAILS SEE POWER PLANS.
15. FUSES SHALL BE PROVIDED WITH REJECTION TYPE FUSE HOLDERS.
16. MISCELLANEOUS
    - A. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. DO NOT SCALE THE ELECTRICAL DRAWINGS FOR LOCATIONS OF ANY ARCHITECTURAL, STRUCTURAL, MECHANICAL AND PLUMBING ITEMS OR FEATURES. REFER TO EACH RESPECTIVE DRAWINGS FOR EXACTNESS OF INFORMATION.
    - B. IF ANY DISCREPANCY WILL OCCUR BETWEEN ELECTRICAL AND ARCHITECTURAL DRAWINGS, THEN THE ARCHITECTURAL WILL GOVERN.
    - C. VERIFY ALL LIGHTING FIXTURE LOCATIONS WITH ARCHITECT IN FIELD PRIOR TO WIRING AND CONDUIT ROUGH-IN.

ELECTRICAL SYMBOLS LIST

MOUNTING HEIGHTS IN SYMBOL LIST APPLY UNLESS OTHERWISE NOTED ON DRAWINGS.

SYMBOL	GENERAL DESCRIPTION
	DISCONNECT SWITCH & FUSE, DIAGRAMMATIC
C	CONDUIT STUB-UP WITH COUPLING FLUSH IN FLOOR (TO PERMIT FUTURE REMOVAL)
	CONDUIT CONCEALED IN OR UNDER FLOOR: OR UNDERGROUND (CONFIRM DEPTH; GRADE TO DRAIN INTO PULL BOXES)
	3/4" CONDUIT WITH 2#12 WIRES AND 1#12 GND.
///	3/4" CONDUIT WITH 3#12 WIRES AND 1#12 GND.
////	3/4" CONDUIT WITH 4#12 WIRES AND 1#12 GND.
////	3/4" CONDUIT WITH 5#12 WIRES AND 1#12 GND.
////	3/4" CONDUIT WITH 6#12 WIRES AND 1#12 GND.
	3/4" CONDUIT WITH 2#12 WIRES, 1#12 GND AND 1#12 ISOLATED GROUND
	3/4" CONDUIT WITH 4#12 WIRES, 1#12 GND AND 1#12 ISOLATED GROUND

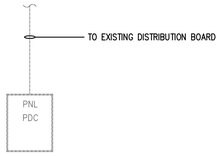
ALL WIRING TO BE CU. THHN INSULATION & GROUND PER NEC 250-122 (B)
CONCEALED IN WALL OR CEILING

#10	NUMBER INDICATES GAUGE OF WIRE IN CODE SIZED CONDUIT.
A-1,3	HOMERUN TO CIRCUITS #1 & #3 IN PANEL "A" (CROSSMARKS INDICATE NUMBER OF WIRES)
	CONDUIT DROPPING DOWN FROM RUN (IF CONDUIT IS USED KEEP COVER ACCESSIBLE)
	CONDUIT RISING UP FROM RUN (IF CONDUIT IS USED, KEEP COVER ACCESSIBLE)
	GROUND CONNECTION WITH ACCESSIBLE CLAMP (TO COLD WATER PIPE OR DRIVEN GROUND ROD)
	UFER GROUND
P.B.	PULL BOX WITH SCREW HELD METAL COVER PLATE (DIMENSIONS CODE-SIZED UNLESS NOTED)
	BRANCH PANELBOARD, WALL MOUNTED, SEE SCHEDULE
	DISTRIBUTION SUB-SWITCHBOARD, SEE SCHEDULE
	MAIN SWITCHBOARD, POWER OR LIGHT, FLOOR STANDING, ENCL. (SEE ONE LINE DIAGRAM & LOAD SUMMARY)
	PULL SECTION FOR UNDERGROUND SERVICE TO SWITCHBOARD (PROVIDE PERFORATED SCREW HEADS FOR UTILITY SEAL)
	CONTROL PANEL WITH DEVICES SHOWN OR DESCRIBED (MOUNT DEVICES INDEPENDENT FROM HINGED COVER)
T	3/4"C.O. FOR TELEPHONE SYSTEM.
D	3/4" C.O. FOR DATA OUTLET
1	REFERENCE NOTE
(E)	EXISTING TO REMAIN.
	EXISTING CONDUIT AND CONDUCTORS TO REMAIN
	EXISTING CONDUIT AND CONDUCTORS, REMOVE CONDUCTORS. REMOVE CONDUIT
225B / 225A	FEEDER SCHEDULE REFERENCE

ABBREVIATION

AFF	ABOVE FINISHED FLOOR
C.O.	CONDUIT ONLY
DP	DISTRIBUTION PANEL
EM	EMERGENCY
EF	EXHAUST FAN
(E)	EXISTING
FA	FIRE ALARM
FLUOR	FLUORESCENT
GND	GROUND
HP	HORSEPOWER RATING
J-BOX	JUNCTION BOX
KA	KILO AMPERES
KW	KILOWATT
KVA	KILO-VOLT AMPS
LTG	LIGHTING
LCL	"LONG CONTINUOUS LOAD"
L.O.	LUGS ONLY
LV	LOW VOLTAGE
5SD	METAL BOX 4-11/16" SQUARE (X) 2-1/8" DEEP
MH	MOUNTING HEIGHT (TO BOTTOM OF FIXTURE)
(+)X'-Y"	MOUNTING HEIGHT (TO CENTER OF DEVICE)
GFI/GFCI	GROUND FAULT CIRCUIT INTERRUPTER PER CEC 210.8.
MC	MOMENTARY CONTACT ACTION
M.L.O.	MAIN LUG ONLY
NEC	NATIONAL ELECTRICAL CODE
(N)	NEW
NL	NIGHT LIGHT
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PNL	PANEL BOARD
PEC	PHOTO ELECTRIC CELL
R	RADIUS
SA	SATIN ALUMINUM
SSS	SATIN STAINLESS STEEL
HOA	"HAND OFF AUTOMATIC"
TEL	TELEPHONE
TSC	TIME SWITCH CONTROL
TRANSF	TRANSFORMER
TL	TWIST-LOCK CONSTRUCTION
TYP	TYPICAL
(X) -	EXISTING FIRE ALARM DEVICE/EQUIPMENT TO BE REMOVED EXISTING DEVICE MOUNTING BOX AND WIRING MAY BE REUSED AS JUNCTION BOX WHERE POSSIBLE. ELECTRICAL CONTRACTOR TO PROVIDE J-BOX COVER PLATE AND HANGING STRAP
UON	UNLESS OTHERWISE NOTED
V	VOLTS
W/	WITH/
WP	WEATHERPROOF CONSTRUCTION
WT	WEATHERTIGHT CONSTRUCTION
WBE	WHITE BAKED ENAMEL
WPE	WHITE PORCELAIN ENAMEL
(XR)	REMOVE RELOCATE AS SHOWN
(ER)	EXISTING DEVICE TO BE REPLACED
(AC)	HEAT DETECTOR TO BE PLACED ABOVE CEILING

ELECTRICAL DRAWING LIST



GENERAL NOTES

1. CONTRACTOR TO VERIFY LOCATION OF EXISTING PANELS IN THE FIELD.

PARTIAL SINGLE LINE DIAGRAM

SCALE: N/A

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122087 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 07/11/2022

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PROJECT NAME:

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MARK	DATE	DESCRIPTION
	01-07-2022	100% CD SET
	03-03-2022	DSA SUBMITAL

PROJECT NO.:

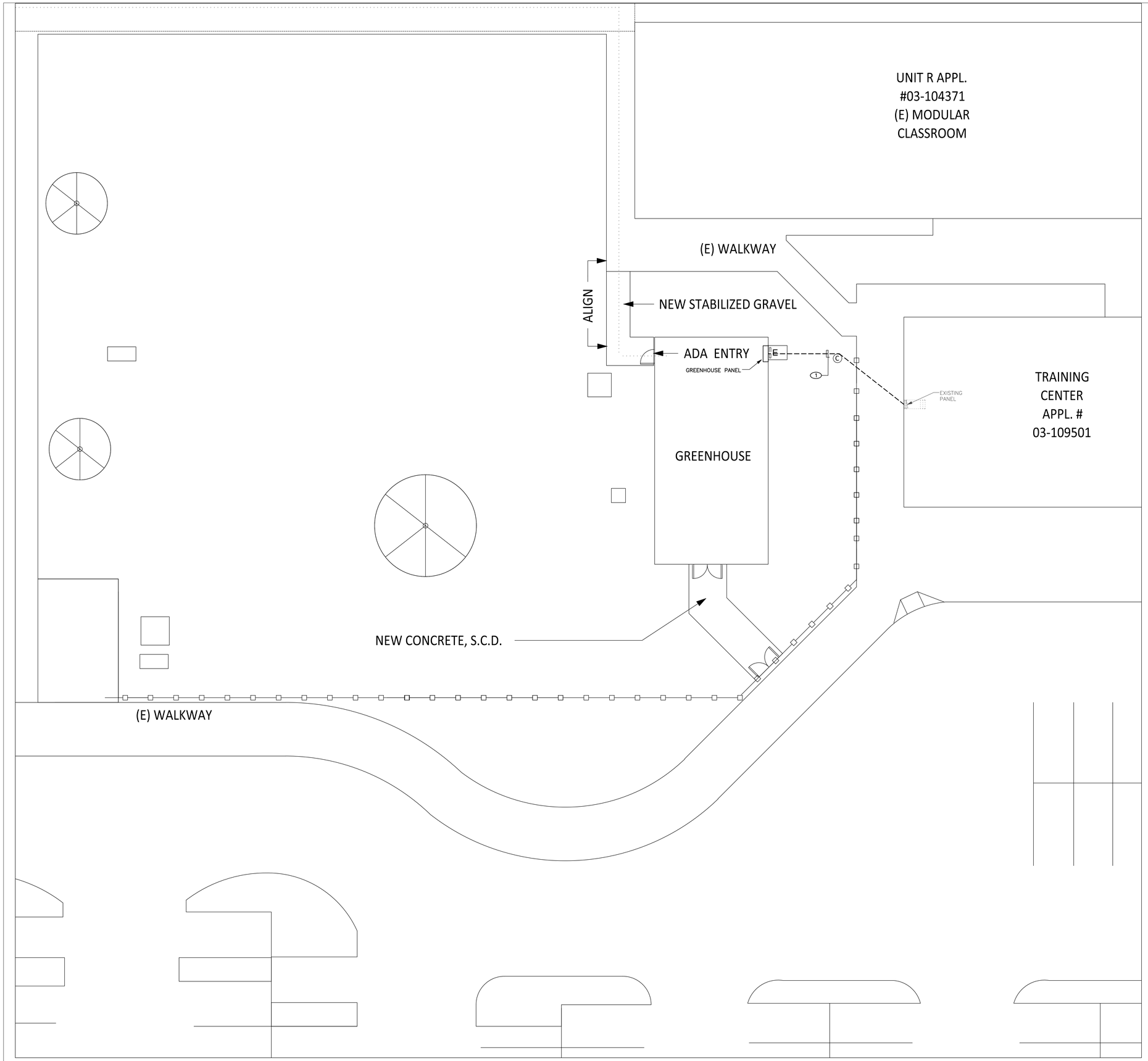
01/07/22

SHEET TITLE:

ELECTRICAL
COVER SHEET

SHEET NO.:

E- 001



GENERAL NOTES

1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE ELECTRICAL SYSTEM IN THE AREA OF SCOPE OF WORK. NOTIFY ARCHITECT, ENGINEER OR OWNER, AS SPECIFIED, OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMITTING BID.
2. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. FIELD VERIFY ALL EXISTING CONDITIONS AND CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS. AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN DURING DEMOLITION. REPAIR DAMAGE CAUSED DURING WORK AT NO EXTRA COST TO THE OWNER.

ELECTRICAL SCOPE NOTES:

BASE ELECTRICAL SCOPE OF WORK:
- RE-USE EXISTING UTILITY SERVICE.
- TAP OFF OF EXISTING PANELBOARD.
- THIS OPTION IS ASSUMING CURRENT LOAD AND CAPACITY OF EXISTING SERVICE CAN HANDLE ADDITION OF NEW LOAD, AND CONNECTION IS AVAILABLE WITHIN PANEL.

ADD-ALTERNATE SCOPE:
- OPTION 1: ASSUMING EXISTING ELECTRICAL CAPACITY IS NOT SUFFICIENT (PER LOAD STUDIES), THE CONTRACTOR WILL NEED TO COORDINATE WITH THE DISTRICT TO ESTABLISH AN ALTERNATE POWER SOURCE FOR THE GREENHOUSE.

NOTE: THE BASE SCOPE OF WORK IS WITH THE ASSUMPTION THAT THE GREENHOUSE IS PREWIRED WITH A SINGLE POINT OF CONNECTION. CONTRACTOR TO VERIFY THAT NO WIRING IN THE GREENHOUSE IS REQUIRED.

KEYED NOTES

1. CONTRACTOR SHALL ROUTE CONDUIT UNDERGROUND TO NEW GREENHOUSE. VERIFY EXACT POWER REQUIREMENTS WITH GREENHOUSE REPRESENTATIVE. SIZE FEEDERS PER GREENHOUSE SPECIFICATIONS.

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DIV. OF THE STATE ARCHITECT
APP: 03-122087 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 07/11/2022

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SHEET TITLE:

ELECTRICAL SITE PLAN - SEM

SHEET NO.:

E-101

PLUMBING LEGEND

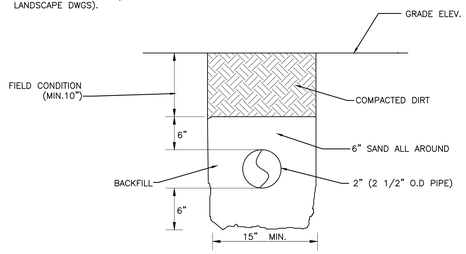
SYMBOLS	ABBR.	DESCRIPTION
	A.H.J	AUTHORITIES HAVING JURISDICTION
	W. OR S.	WASTE OR SEWER BELOW SLAB ON GRADE
SAN	SAN	SANITARY WASTE PIPE ABOVE SLAB ON GRADE
	V.	SANITARY VENT
	C.W.	DOMESTIC COLD WATER
		FLOOR CLEAN OUT OR CLEAN OUT THRU GRADE.
	H.W.	HOT WATER (110° F)
	H.W.	HOT WATER (140° F)
CD	C.D.	CONDENSATE DRAIN
G	G.	FUEL GAS (LOW PRESSURE)
	W.C.O.	WALL CLEAN OUT
	ABV.	ABOVE
	A.T.P.	AUTOMATIC TRAP PRIMER
	CLG.	CEILING
	CONT.	CONTINUATION
	D.S.	DOWN SPOUT
	I.E.	INVERT ELEVATION
	NC	NORMALLY CLOSED
	PP	PETS PLUG
T	T	TEPID WATER (75–78 DEGREE F)
ICW	ICW	INDUSTRIAL COLD WATER
	W.C.	WATER CLOSET
	L.	LAVATORY
		AREA IN SCOPE (TYP.)
		THERMOMETER
	C.W.	COLD WATER
	H.W.R.	HOT WATER RETURN
	FCO	FLOOR CLEANOUT
	C.V.	CHECK VALVE
	G.C.	GAS COCK
	A.P.	ACCESS PANEL
	BEL.	BELOW
	CONN.	CONNECTION
	DN.	DOWN
	EXIST.	EXISTING
	POC	POINT OF CONNECTION
	V.T.R.	VENT THRU ROOF
	F.U.	FIXTURE UNIT
	HDR.	HEADER
	R.I.&C.	ROUGH IN AND CONNECT
	SS	STAINLESS STEEL
	ADA	AMERICAN DISABILITY ACT
	A.F.F.	ABOVE FINISHED FLOOR
	BV	BALL VALVE (NO–LEAD) SS BALL & STEM
	BAV ◇	BALLANCING VALVE (NO–LEAD) REDWHITE 0–4GPM
	PG	0–100 PSI PRESSURE GA
	TH	THERMOMETER

PLUMBING SPECIFICATIONS

PLUMBING GENERAL NOTES

1. EXAMINATION OF THE SITE: CONTRACTOR SHALL EXAMINE THE SITE AND BECOME FAMILIAR & KNOWLEDGEABLE ABOUT THE SITE CONDITIONS. CONTRACTOR SHALL BE HELD TO HAVE MADE SUCH EXAMINATION AND NO ALLOWANCE FOR EXTRAS WILL BE ALLOWED FOR ANY ERROR OR OVERSIGHT RESULTING FROM THE CONTRACTOR'S UNFAMILIARITY WITH THE SITE.
   PROVIDE WORK IN COMPLIANCE WITH THE ENFORCED EDITION OF CPC AND WITH ALL AUTHORITIES HAVING JURISDICTION REQUIREMENTS, AND MANUFACTURER'S REQUIREMENTS.
2. PROVIDE AND MAINTAIN ACCESS AND WORKING SPACE NEAR MECHANICAL, ELECTRICAL AND CONTROL EQUIPMENT TO PERMIT READY AND SAFE OPERATION, EXAMINATION AND MAINTENANCE.
3. COORDINATE PIPING AND EQUIPMENT LOCATIONS WITH OTHER TRADES.
4. NEW WORK AND INSTALLATION SHALL NOT INTERFERE WITH THE PROPER FUNCTIONS OF EXISTING FACILITY AND COMPLETED PROJECT SHALL PROPERLY FUNCTION ENTIRELY TROUGHOUT. FURNISH ALL LABOR AND MATERIALS REQUIRED TO RELOCATE, REMOVE, REINSTALL, RECONNECT, REPLACE, ETC. ANY EXISTING PLUMBING WORK TO ACCOMMODATE THE NEW LAYOUT.
5. ALL NEW PIPING AND SECTIONS OF PIPING SHALL BE CLEANED, TESTED AND CHLORINATED ACCORDING TO CPC 2019 REQUIREMENTS AND AUTHORITIES HAVING JURISDICTION REQUIREMENTS.
6. DESIGN DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS, BENDS, ELBOWS OR OTHER ELEMENTS WHICH MAY BE REQUIRED. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES AS NECESSARY FOR A COMPLETE INSTALLATION.
7. VERIFY ALL EXISTING CONDITIONS PRIOR TO INSTALLATION, INCLUDING, EXACT LOCATIONS AND SIZES TO ASSURE FULL RESPONSIBILITY FOR FITTINGS AND ALL EQUIPMENT AND MATERIAL HEREIN REQUIRED.
8. MAKE ALL CONNECTIONS TO ALL SERVICES WITH NEW FITTINGS.
9 INTERFERENCE: ALL PLUMBING WORK SHALL BE INSTALLED IN COORDINATION WITH ALL OTHER TRADES AND SITE UTILITIES.
10. FIELD VERIFICATION: BEFORE FABRICATION OR INSTALLATION, THIS CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES, INCLUDING CHECKING FOR UNDERGROUND POTENTIAL EXISTING GAS LINES TO KEEP THEM INTACT IN OPERATION AND FUNCTIONING.
11. CONTRACTOR TO COORDINATE LOCATIONS OF NEW UNDERGROUND UTILITIES, NEW VALVES WITH EXIST. UNDERGROUND UTILITIES. ANY EXCAVATIONS SHALL BE PERFORMED WITH UTMOST CARE SO AS NOT TO DAMAGE OR COLLIDE WITH EXISTING UTILITIES.
    CONTRACTOR SHALL OBTAIN THE SERVICES OF AN APPROVED BY THE SCHOOL/PROJECT MANAGERS, SITE UTILITY CONTRACTOR TO SURVEY AND MARK EXIST. UNDERGROUND UTILITY LOCATIONS, TYPES AND DEPTHS BEFORE OPENING NEW TRENCHES, INCLUDING CHECKING FOR EXISTING GAS LINES TO KEEP THEM INTACT IN OPERATION AND FUNCTIONING.
12. ANY SHORING AND FENCING TO PROTECT NEW TRENCHES SHALL BE INSLUDED IN CONTRACTOR'S BID.
13. ALL WORK SHALL BE DONE DURING NORMAL WORKING HOURS UNLESS APPROVED BY AUTHORITIES HAVING JURISDICTION OTHERWISE.

1. OBTAIN APPROVAL FROM SCHOOL DISTRICT & INSPECTORS ON THE TRENCH AND PIPE IN THE TRENCH CONFIGURATION & MATERIALS, PRIOR TO DIGGING/INSTALLING
2. EXCAVATE AND REPAIR TRENCH ETC. TO ITS ORIGINAL CONDITION. (CONC., PAVING, GRASS ETC.) AND TO THE CURRENT PROJECT FINISH GRADE REQUIREMENTS (SEE THIS PROJECT ARCHITECTURAL AND LANDSCAPE DWGS).



TYPICAL PIPING TRENCH DETAIL — SCALE NONE — 1

SCOPE OF WORK: SEE P–101 SITE PLAN FOR SCOPE

1. DOMESTIC WATER SYSTEM ABOVE ABOVE GRADE:
   TYPE "L", ASTM B88; WROT COPPER SOLDER JOINTS FITTINGS, ANSI/ASME B16.22; 95/5 TIN/ANTIMONY SOLDER AT VALVES AND TRIM; SILVER SOLDER AT JOINTS.
   PRESSS TYPE JOINTS ACCEPTALBLE AS AN EQUAL.
2. DOMESTIC WATER SYSTEM: BELOW GRADE AT POC; SHALL BE SEAMLESS DRAWN COPPER TYPE "K" WRAP IN 3 COATS OF 0.8 MM POLYETHYLENE WRAP/FOIL.
   ANY NEW COPPER PIPE IF INSTALLED UNDERGROUND SHALL BE BRAIZED AND VISQUIN SLEEVES INSTALLED FOR PROTECTION.
3. DOMESTIC WATER SYSTEM: BELOW GRADE SHALL BE PVC SCHEDULE 80 PIPE AND FITTINGS. USE PVC JOINT PRIMER AND JOINT SEALANT.
   EXTERIOR PVC PIPING EXPOSED TO SUNLIGHT SHALL BE PROTECTED. (TYPICALLY PAINTED) (CPC 411.7)

3A. NEW BALL VALVES TO BE ALL STAINLESS STEEL MATERIAL, 300 PSI. PROVIDE DISSIMILAR MATERIALS CONNECTIONS APPROVED BY A.H.J; PROVIDE APPROVED BY A.H.J DIELECTRIC UNIONS AS REQUIRED.

4. TERMINATE UNDERGROUND PIPING NEAR NEW GREENHOUSE IN MARKED YARD BOX AND CAP PIPING. COORDINATE LOCATION OF UNDERGROUND VALVED YARD BOXES WITH GREENHOUSE CONTRACTOR SHALL PROVIDE MIN. TWO LOCATIONS AS PER DRAWING REQUIREMENTS.
5. GREENHOUSE CONTRACTOR TO MAKE POC TO UNDERGROUND PIPING AND INSTALL ANY REQUIRED APPROVED BACKFLOW DEVICE ABOVE GRADE.
6. GREENHOUSE CONTRACTOR TO PROVIDE AND INSTALL ANY REQUIRED PIPING AND HOSE BIBBS WITHIN GREENHOUSE.
7. THIS CONTRACTOR TO PROVIDE THE SAME TOPPING MATERIALS AS WERE THERE BEFORE OPENING TRENCHES, COORDINATE WITH ARCHITECTURAL AND LANDSCAPE AND CIVIL DWGS.
8. THIS CONTRACTOR TO PERFORM ALL CLEANING, CHLORINATION, DISINFECTION, TESTING ETC. ACCORDING TO UPC 2019 AND A.H.J REQUIREMENTS.
9. THIS CONTRACTOR TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS FOR WORK REQUIRED UNDER THIS CONTRACT.
10. CONTRACTOR TO MAKE ARRANGEMENTS TO ISOLATE EXISTING PIPING IN ORDEER NOT TO INTERRUPT DAILY SCHOOL OPEARATIONS. IF REQUIRED TO FREEZE PIPING TO MAKE P.O.C, CONTRACTOR SHALL INCLUDE THAT IN THEIR BID, INCLUDING ANY NECESSARY VALVES FOR DISINFECTION AND TESTING.

PLUMBING MATERIAL SCHEDULE

SERVICE	MATERIAL	BEL. GROUND COPPER TYPE "K"	PVC SCH 80 1/2" AND LARGER	SDR11 – NSP61 ** 1/2" UP TO 2"	ABS/PVC*	BLACK STEEL SCH40, SCREWED		COPPER TYPE "M"	PVC AWWA 900	
WATER WITHIN 5 FT FROM THE BLDG	INSIDE									ABOVE SLAB
	OUTSIDE	●								BELOW GRADE
WATER										
UNDERGR.	OUTSIDE		●							
SAN. VENT	INSIDE									
GAS	INSIDE									
	OUTSIDE									
STORM	INSIDE									
DRAINAGE	OUTSIDE									
CONDENSATE	INSIDE									

DOMESTIC WATER PIPE SIZING SCHEDULE 80 PVC PIPE AND FITTINGS

MANUFACTURER TO APPROVE OR ADVISE

SIZE	FLUSH VALVE FU	GPM FV	FLUSH TANK CW FU	GPM FT
1/2"	—	—	–	0
3/4"	—	—	4	3
1"	—	—	10	6
1–1/4"	—	—	20	11
1–1/2"	—	—	28	19
2"	—	—	155	42
2–1/2"	—	—	380	74
3"	—	—	665	

ALL PIPE SIZING BASED ON 3.0 PSI/100 FEET PRESSURE DROP.
MAX. VELOCITY COLD WATER: 5.0 FT/SEC.;

DRAWING NO.	DRAWING TITLE	TOTAL SHEETS
P–100	PLUMBING LEGEND, NOTES, SCHEDULES	1
P–101	PLUMBING SITE PLAN	2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122087 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 07/11/2022

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PROJECT NAME:

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MARK	DATE	DESCRIPTION
	01-07-2022	100% CD SET
	03-03-2022	DSA SUBMITAL

PROJECT NO.:

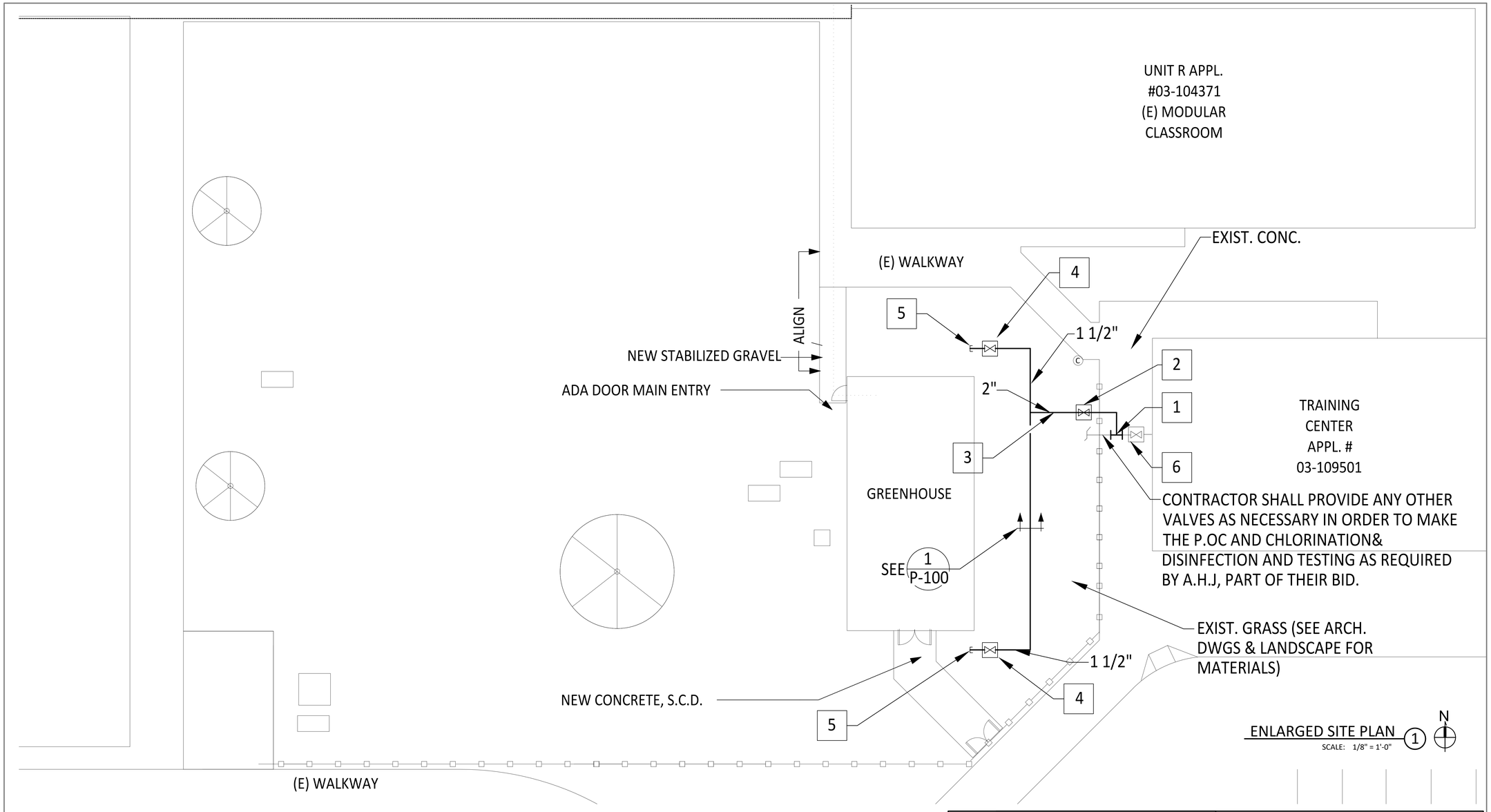
01/07/22

SHEET TITLE:

PLUMBING LEGEND, NOTES, SCHEDULES

SHEET NO.:

P-100



ENLARGED SITE PLAN (1)
SCALE: 1/8" = 1'-0"

GENERAL NOTES	KEY NOTES:
1. CONTRACTOR TO OBTAIN AND PAY FOR ALL REQUIRED PERMITS.	1 MAKE (N)2" POC TO (E) 2 1/2" CW BELOW GRADE. VERIFY LOCATION IN THE FIELD.
2. CHLORINATE AND TEST ALL NEW PIPING ACCORDING TO CPC 2019 AND A.H.J REQUIREMENTS.	2 NEW YARD BOX WITH 2" SOV AND LABEL COVER: COLD WATER
3. COORDINATE ALL DOWNTIMES WITH OWNERS' ENGINEERS.	3 NEW 2" PVC SCH80 PIPE BELOW GRADE; OBTAIN APPROVAL FROM SCHOOL DISTRICT/ INSPECTORS ON ALL MATERIALS TO BE INSTALLED (TYPICAL).
4. IMPORT NEW PIPE COVER DIRT IF SOIL CONDITIONS ARE NOT SUTABLE TO USE FOR BACKFILL MATERIALS. (VERIFY IN FIELD)	4 NEW YARD BOX WITH NEW 1 1/2" SOV AND LABEL COVER: COLD WATER
5. CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE SITE CONDITIONS & OTHER EXIST. AND NEW UTILITIES NEAR-BY/AROUND, PRIOR TO STARTING WORK , TO ACCOMODATE JOB SITE CONDITIONS, AND TO INFORM THE PROJECT MANAGER/ARCHITECT IF THEY NOTICE ANY DISCREPANCIES.	5 NEW 1 1/2" CAP BEL. GRADE FOR CONN. TO NEW PLUMBING FIXTURE AND/OR HOSE BIBBS. ANY OTHER BACKFLOW DEVICES FOR GREENHOUSE ARE PART OF THE GREENHOUSE CONTRACTOR SCOPE, NOT IN THIS SCOPE.
6. USE ARCHITECTURAL DWGS TO MEASURE DISTANCES/LENGTH, DO NOT USE THE PLUMBING DRAWINGS TO MEASURE LENGTH.	6 EXIST. BLDG. SHUT-OFF VALVE IN YARD BOX.

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MARK	DATE	DESCRIPTION
	01-07-2022	100% CD SET
	03-03-2022	DSA SUBMITAL

PROJECT NO.:
01/07/22

SHEET TITLE:
PLUMBING SITE PLAN

SHEET NO.:
P-101