

EL MONTE UNION HIGH SCHOOL DISTRICT

SOUTH EL MONTE HIGH SCHOOL - NEW GREENHOUSE

DSA SUBMITTAL

DSA FILE NO.: 19-H10

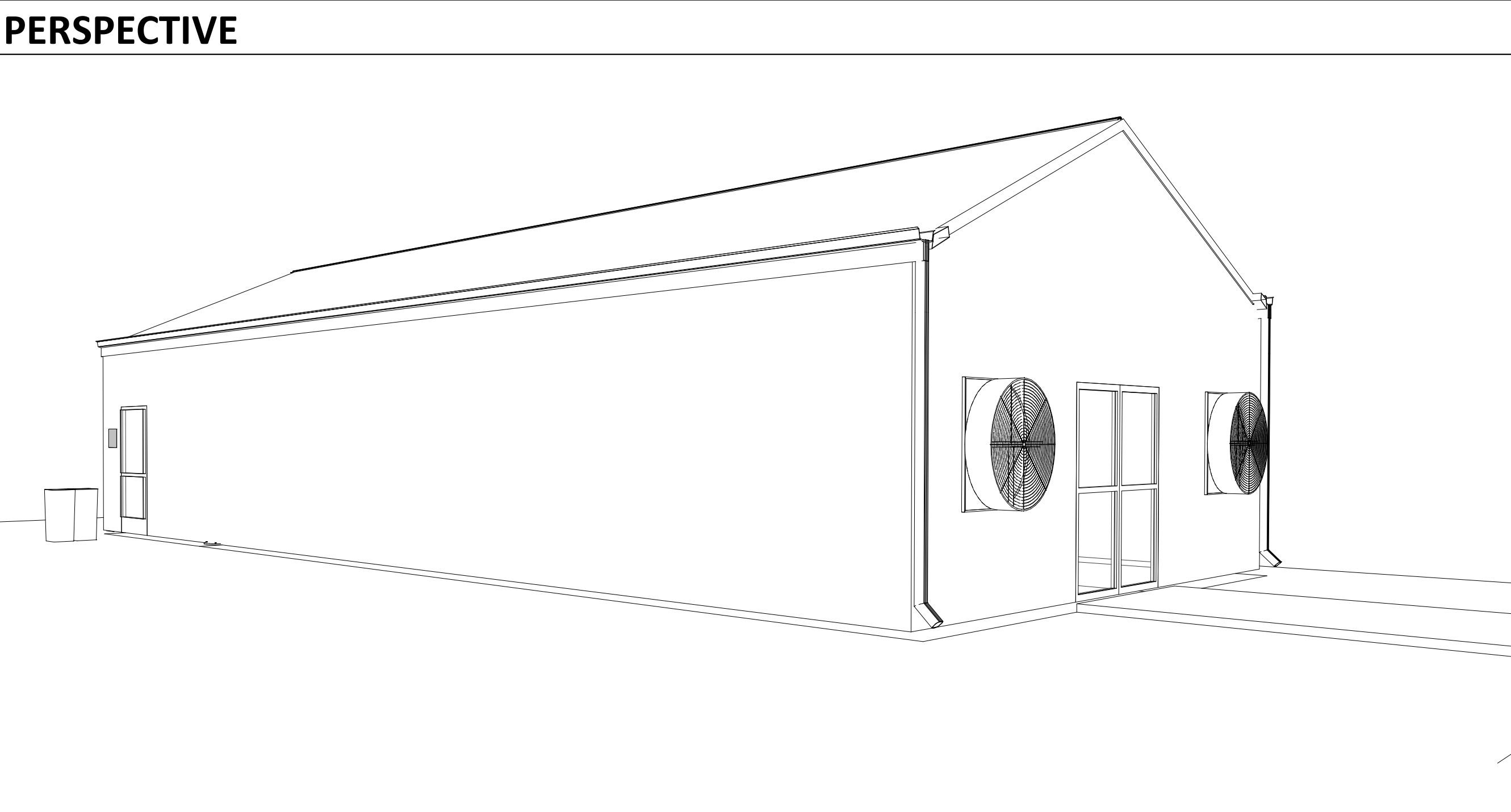
PTN. : 64519-108

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 CHRISTOPHER WARD, ASSOCIATE 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
<ul style="list-style-type: none"> 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
<p>**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.</p>

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 DEMOLITION AND SITE CONTROL 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	

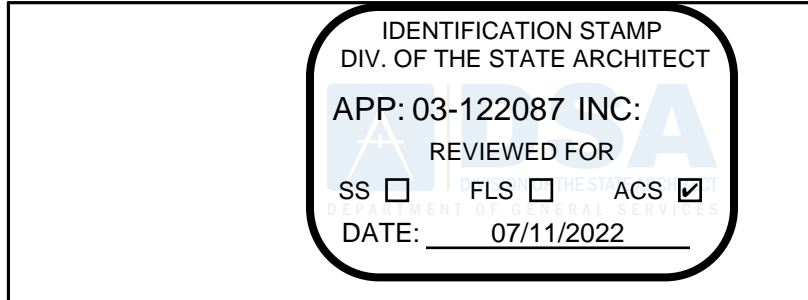
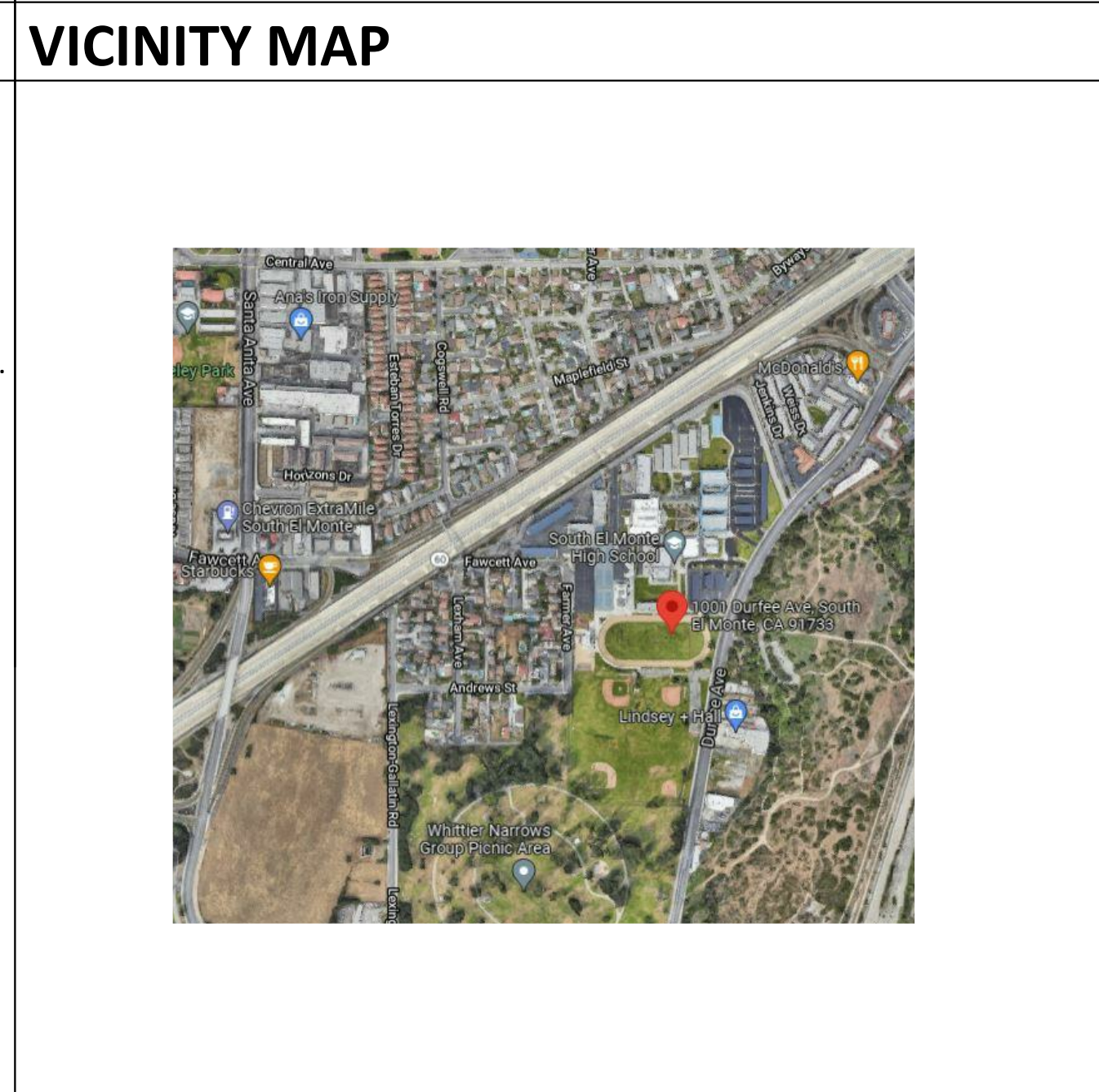


STATEMENT OF GENERAL CONFORMANCE	
<p>THE DRAWING SHEETS LISTED ON THE SHEET INDEX HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THE STATE OF CALIFORNIA. I HAVE EXAMINED THE DRAWINGS FOR:</p> <p>(1) DESIGN INTENT AND THEY APPEAR TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY MYSELF, AND</p> <p>(2) COORDINATION WITH MY PLANS AND SPECIFICATIONS, AND ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.</p> <p>THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES 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)]</p> <p>SIGNATURE OF ARCHITECT DESIGNATED TO BE IN RESPONSIBLE CHARGE</p> <p>CHRISTOPHER WARD</p>	

VICINITY MAP	
<p>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.</p> <p>1. STATUTORY & JUDICIAL REGULATIONS: A. 2019 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R. B. 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, 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 24 C.C.R. H. 2019 CALIFORNIA REFERENCE STANDARDS, PART 12, TITLE 24 C.C.R.</p>	



ALTERNATES	
<p>1. ALTERNATE #1 - INTERIOR AQUAPONICS EQUIPMENT PER A-600</p>	



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ARCHITECT STAMP

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

- ALL CONSTRUCTION AND ALL ON-SITE AND SITE-RELATED ACTIVITIES SHALL COMPLY WITH ALL CURRENT APPLICABLE CODES, ORDINANCES AND STATUTES.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- TRUCK ROUTES USED FOR THE CONSTRUCTION OF THIS PROJECT ARE TO BE SUBMITTED TO AND APPROVED BY ALL RELEVANT JURISDICTIONS, AS REQUIRED.
- 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.
- THE CONTRACTOR SHALL REPAIR, REPLACE OR OTHERWISE RESTORE ANY DAMAGED PROPERTY UNDER THE CONTRACTOR'S CARE.
- 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.
- THE CONTRACTOR SHALL MAINTAIN FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION AND SHALL USE CONSTRUCTION MATERIALS, THAT COMPLY WITH ALL APPLICABLE FIRE-RELATED REGULATIONS.
- 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.
- 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 SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- 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.
- 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.**
- NO MOTOR VEHICLES ARE TO BE STORED IN BUILDINGS UNDER CONSTRUCTION.
- 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.
- 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.
- ALL PAINT AND STAIN MATERIALS MUST COMPLY WITH LOCAL, STATE AND FEDERAL AIR POLLUTION CONTROL MANDATES.
- 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.
- 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.
- 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 & HUDS, 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.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 VERIFY 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.

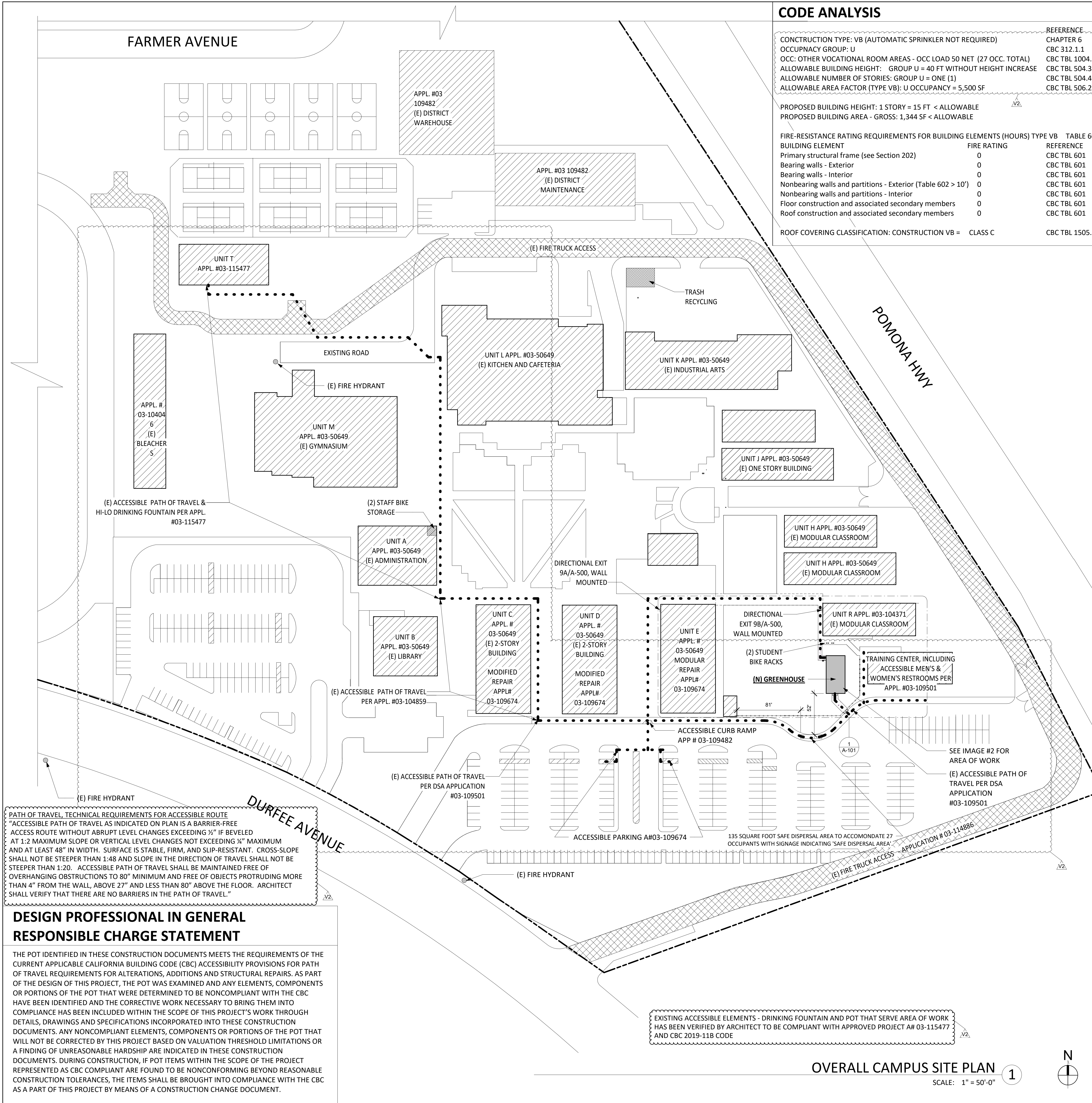
58. A DSA-CERTIFIED CLASS 2 PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT.

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.

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS ARE USED IN THIS PROJECT	(E) EA ED EJ	EXISTING EACH EXIT DEVICE EXPANSION JOINT ELEVATION ELECTRICAL ELEVATOR EMER ENCLOSURE EQUAL EQUIP ES EW EXH EXP EXP BT EXT	MAINT MATL MAX MB MECH MEMB MEZZ MFR MH MIN MISC MTD MTL MTLP	MAINTENANCE MATERIAL MAXIMUM MACHINE BOLT MECHANICAL MEMBRANE MEZZANINE MANUFACTURER MANHOLE MINIMUM MISCELLANEOUS MOUNTED METAL METAL PARTITION	(N) NEW NOT IN CONTRACT NO NOMINAL NOMINAL PIPE SIZE NOT TO SCALE	SAT SC SCD SCHED SCWD SD SECT SEED SF SHT SIM SLD SLNT SM SND SNR SPD SPEC SPKLR SQ SSD SST STC STD STL STOR STRUCT SUSP SVCE SYM	SUSPENDED ACOUSTICAL TILE SEALED CONCRETE SEE CIVIL DRAWINGS SCHEDULE SOLID CORE WOOD SOAP DISPENSER SMOKE DETECTOR SECTION SEE ELECTRICAL DRAWINGS SQUARE FEET SHEET SIMILAR SEE LANDSCAPE DRAWINGS SEALANT SEE MECHANICAL DRAWINGS SANITARY NAPKIN DISPENSER SANITARY NAPKIN DISPENSER SEE PLUMBING DRAWINGS SPECIFICATION SPRINKLER SQUARE SEE STRUCTURAL DRAWINGS STAINLESS STEEL SOUND TRANSMISSION CLASS STANDARD STEEL STORAGE STRUCTURAL SUSPENDED SERVICE SYMBOL
#	PENNY	FOUND OR NUMBER					
AB	ANCHOR BOLT						
AC	ASPHALTIC CONCRETE						
A/C	AIR CONDITIONING						
ACC	ACCESSIBLE						
ACOUS	ACOUSTICAL						
ACS PNL	ACCESS PANEL						
ACST	ACOUSTIC						
ACT	ARCHITECT						
ADA	AMERICANS WITH DISABILITIES 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						
CATCH	CATCH BASIN						
CBB	CEMENTITIOUS (BACKER) BOARD						
CER	CERAMIC						
CG	CORNER GUARD						
CJ	CONTROL JOINT						
CL	CENTER LINE						
CLF	CHAB 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)						
EA	EACH						
ED	EXIT DEVICE						
EJ	EXPANSION JOINT						
EL	ELEVATION						
ELC	ELECTRICAL						
ELEV	ELEVATOR						
EMER	EMERGENCY						
ENCLOSURE	ENCLOSURE						
EQUAL	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						
FLR	FINISH						
FLWS	FINISHED FLOOR						
FIXT	FIXTURE						
FLUOR	FLUORESCENT						
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						
GFRG	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						
HML	HOLLOW METAL						
HNDRL	HANDRAIL						
HORIZ	HORIZONTAL						
HR	HOUR						
HT	HEIGHT						
HYAC	HEATING, VENTILATING AND AIR CONDITIONING						
IN	INCH						
INCL	INCLUDING/INCLUDED						
INFO	INFORMATION						
INSUL	INSULATION						
INT	INTERIOR						
JAN	JANITOR						
JT	JOINT						



CODE ANALYSIS

CONSTRUCTION TYPE: VB (AUTOMATIC SPRINKLER NOT REQUIRED) REFERENCE CHAPTER 6
 OCCUPANCY 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

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

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

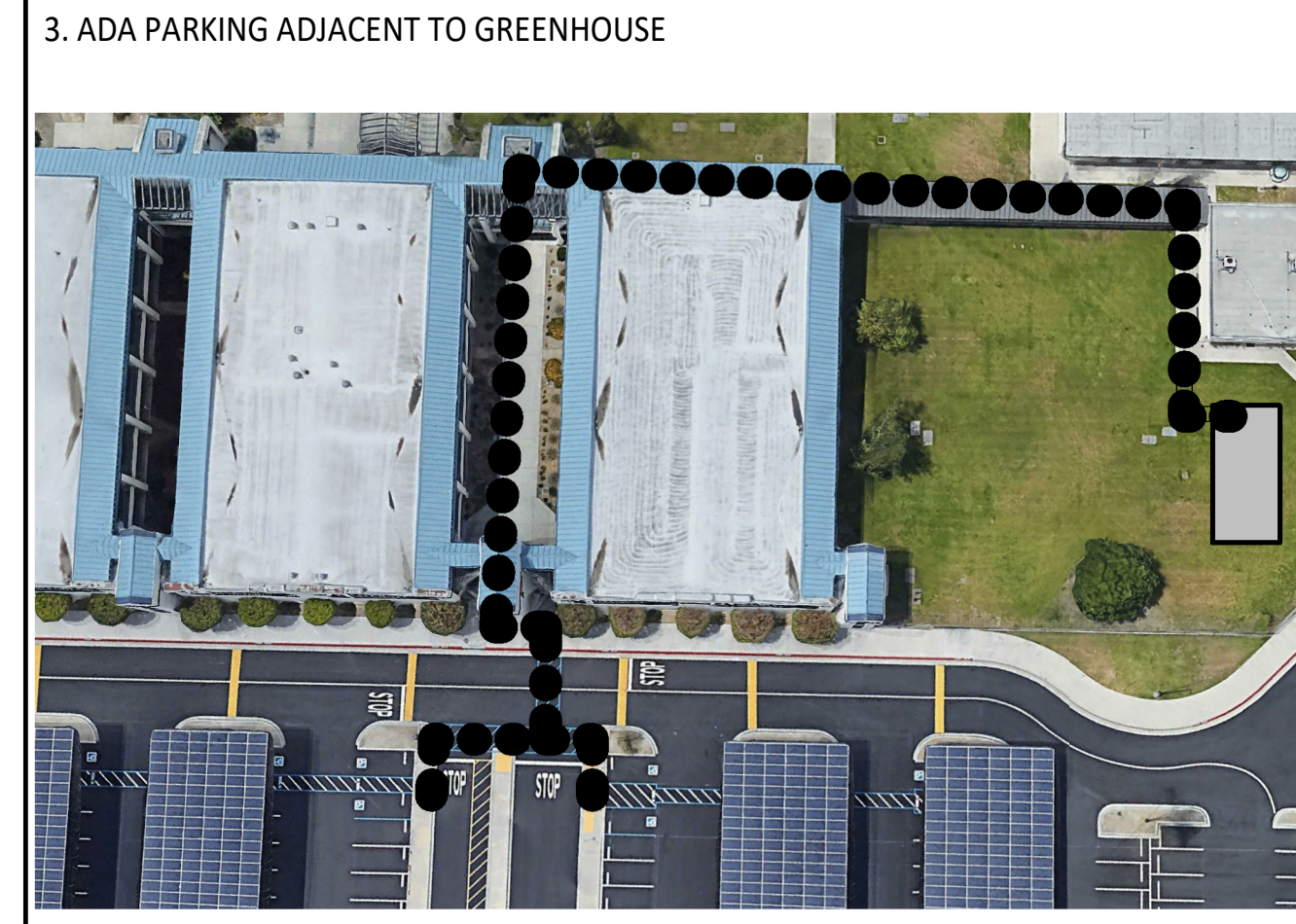
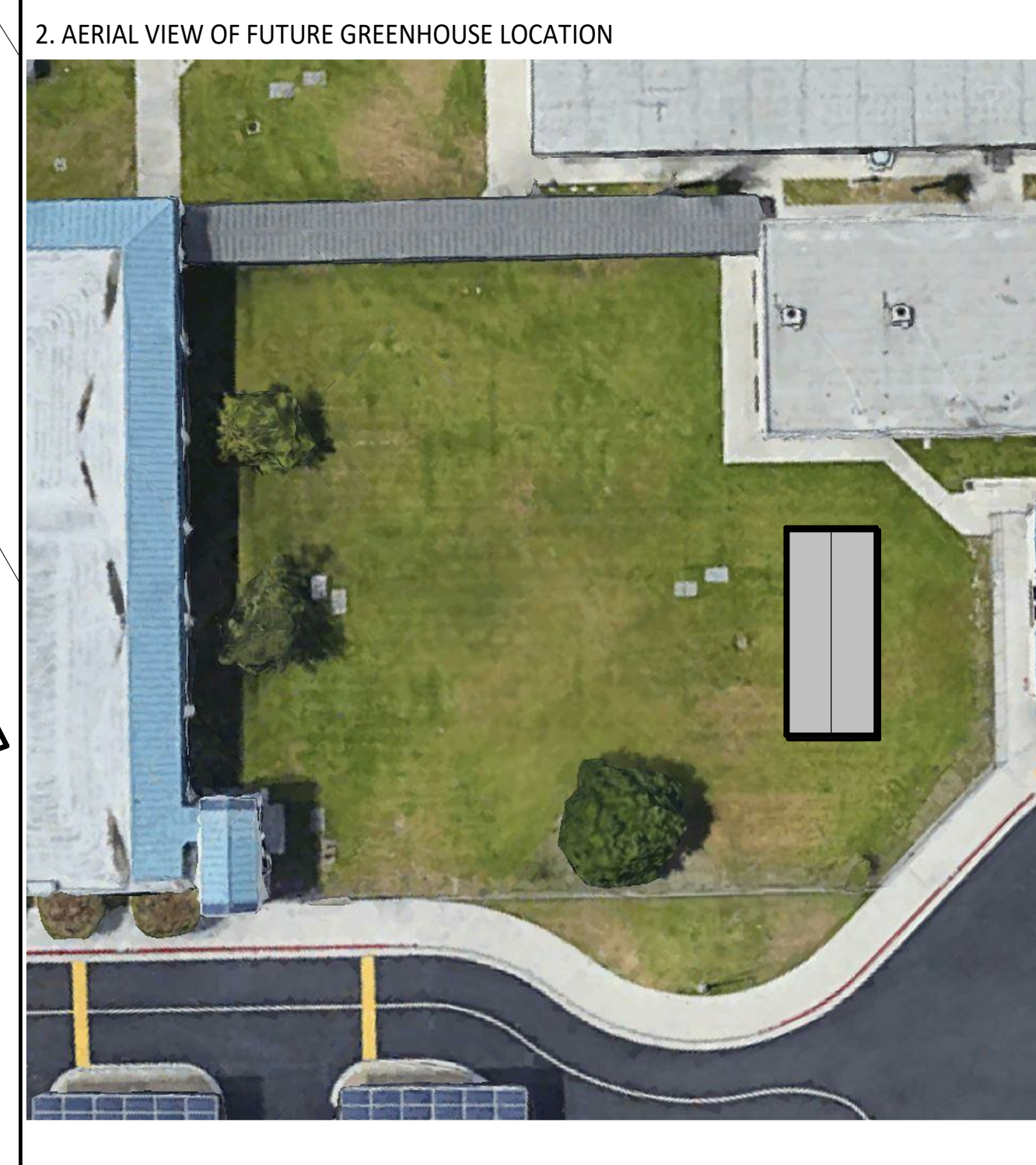
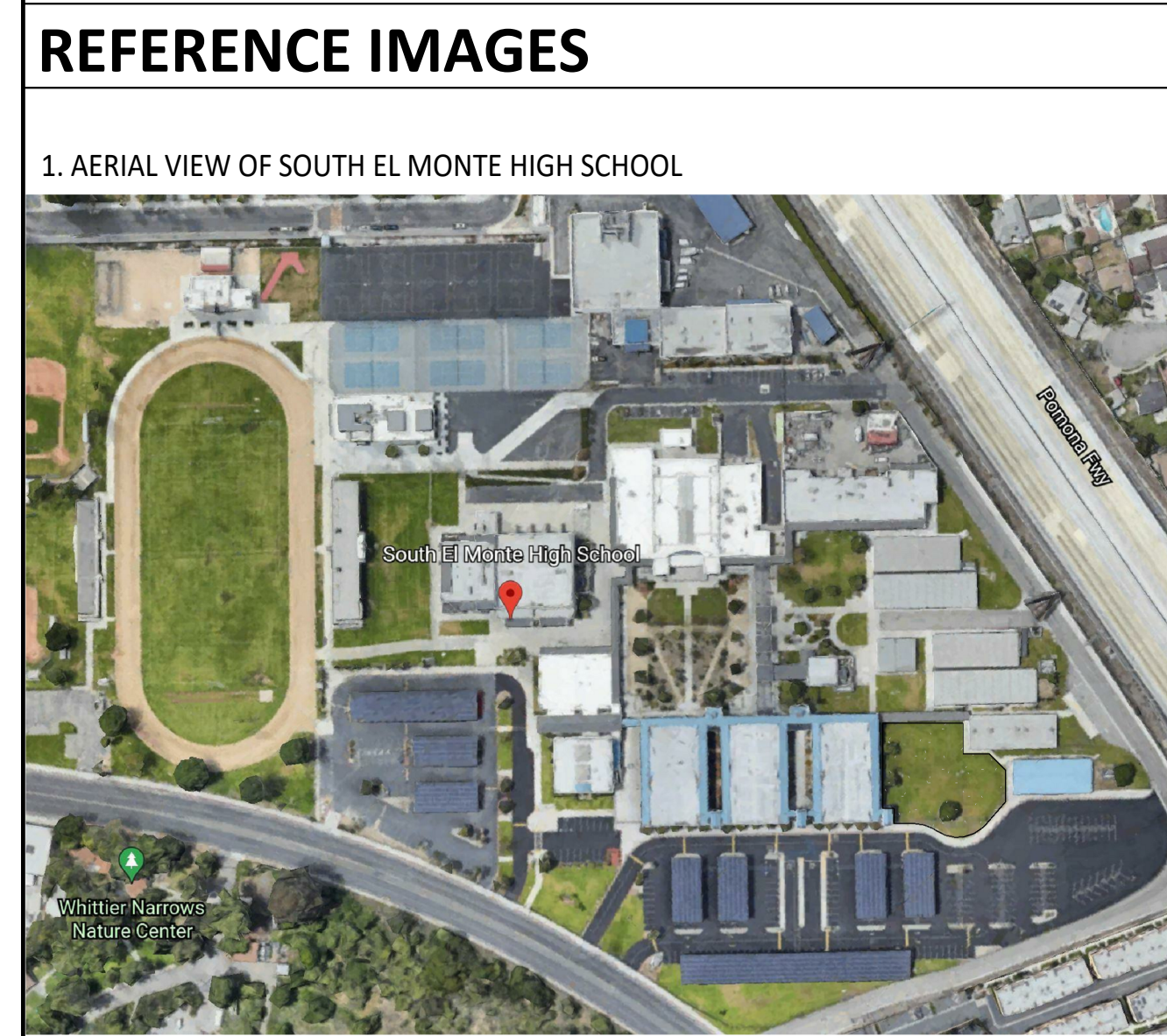
- ### SHEET NOTES
- FIELD VERIFY ALL DIMENSIONS, PRIOR TO INSTALLATION
 - REMOVE ANY OBSTRUCTIONS AT AREA OF WORK, COORDINATE WITH DISTRICT
 - PROTECT ALL EXISTING SITE AND BUILDING ELEMENTS.
 - FOR SITE UTILITIES & TRENCHING TO GREENHOUSE, SEE M.E.P. DRAWINGS FOR ADDITIONAL INFORMATION
 - FOR FOUNDATION AND SITE GRADING, S.C.D. FOR ADDITIONAL INFORMATION.
 - 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.



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 1/4" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" 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."

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

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

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

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:
**OVERALL CAMPUS SITE
 PLAN, FLS, &
 ACCESSIBILITY**

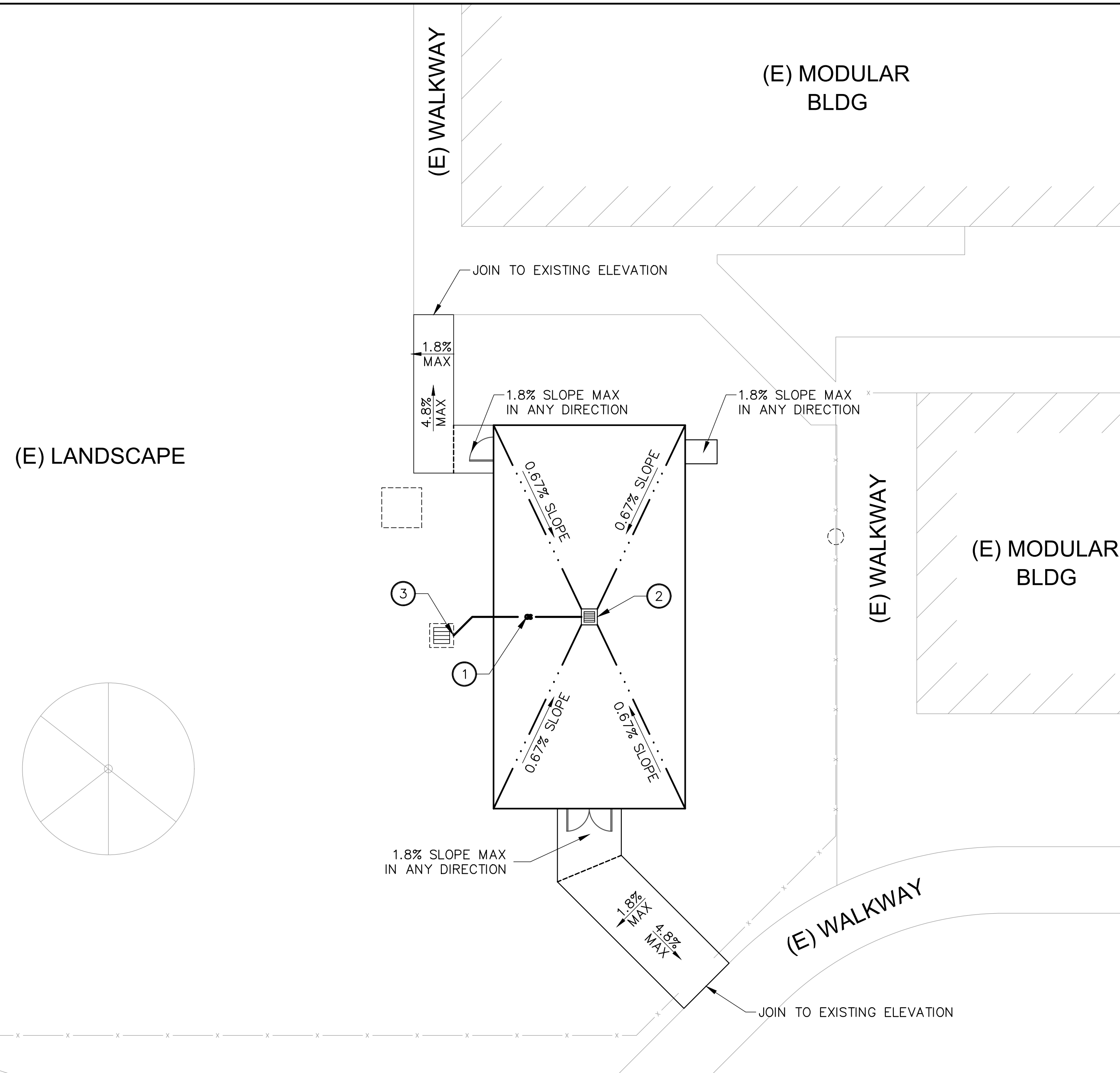
SHEET NO.:
G-101

STORM DRAIN CONSTRUCTION NOTES:

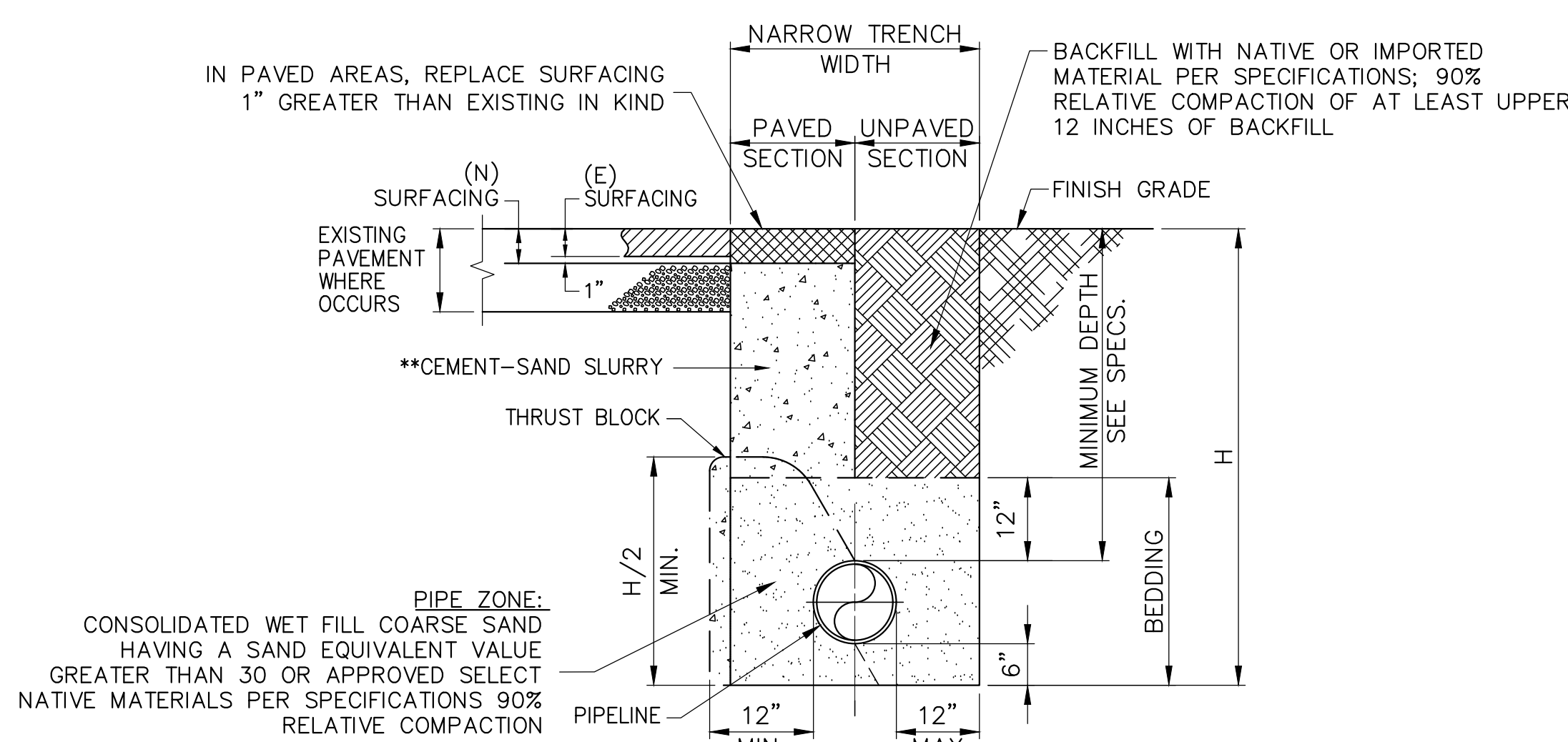
1. INSTALL 6" PVC SCHEDULE 40 STORM DRAIN LINE PER DETAIL 2 ON THIS SHEET.
2. INSTALL CATCH BASIN PER DETAIL 1 ON THIS SHEET.
3. CONNECT TO EXISTING CATCH BASIN. CONTRACTOR TO VERIFY INVERT ELEVATION ON FIELD AND PROVIDE POSITIVE DRAINAGE FROM PROPOSED CATCH BASIN TO POINT OF CONNECTION AT EXISTING CATCH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

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 RESPONSIBILITY 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.

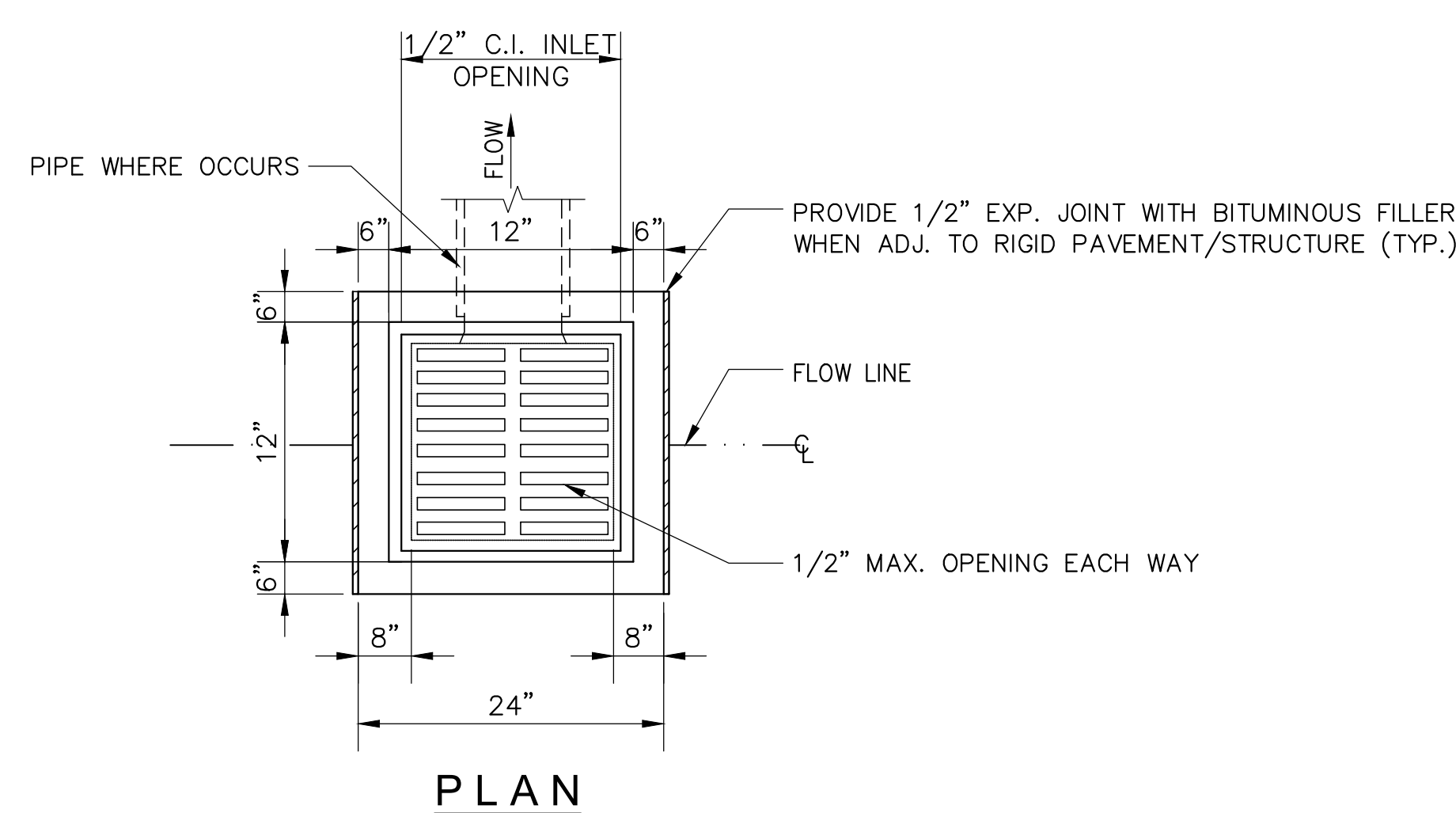


SITE GRADING AND SITE UTILITY PLAN



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 3/4" PRIOR TO PLACING THE 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 TRENCHES ARE NOT BE OR PLACED PARALLEL TO AND BELOW A 1 1/2:1 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.



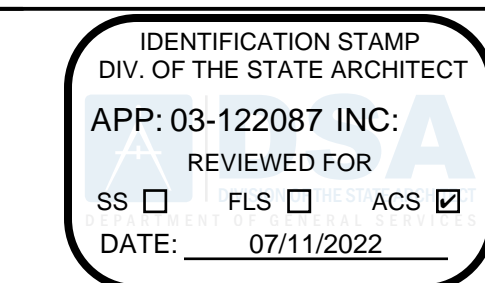
NOTES:

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

2 TRENCH SECTION
NOT TO SCALE



LISTEN COLLABORATE CREATE

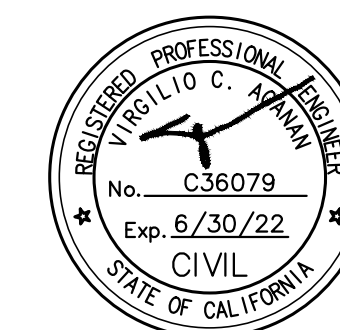
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ARCHITECT STAMP

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



1001 DURFEE AVE.,
SOUTH EL MONTE, CA 91733

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

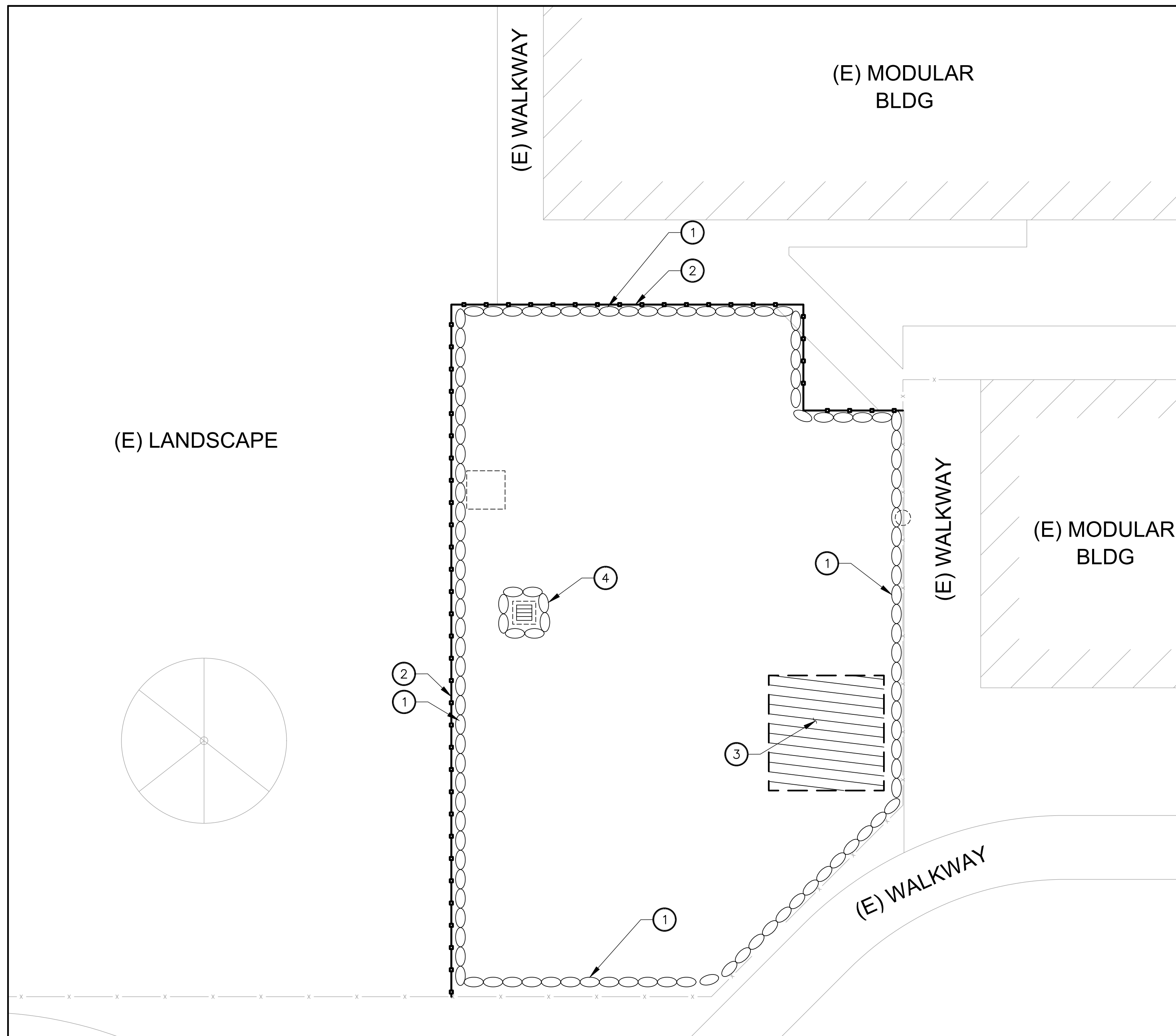
PROJECT NO.: **20175.01**
01/07/22

SHEET TITLE:

**SITE GRADING AND
SITE UTILITY PLAN**

SHEET NO.:

C-300

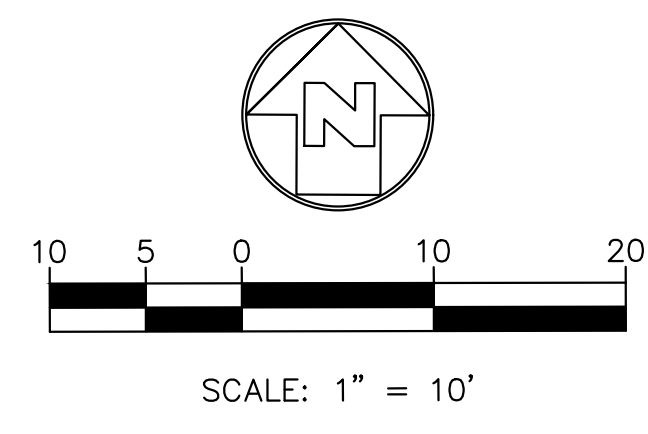


CONSTRUCTION NOTES:

- 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



SITE EROSION PLAN

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

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ARCHITECT STAMP

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



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 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-RELATED 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 SWEEPED 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

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

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

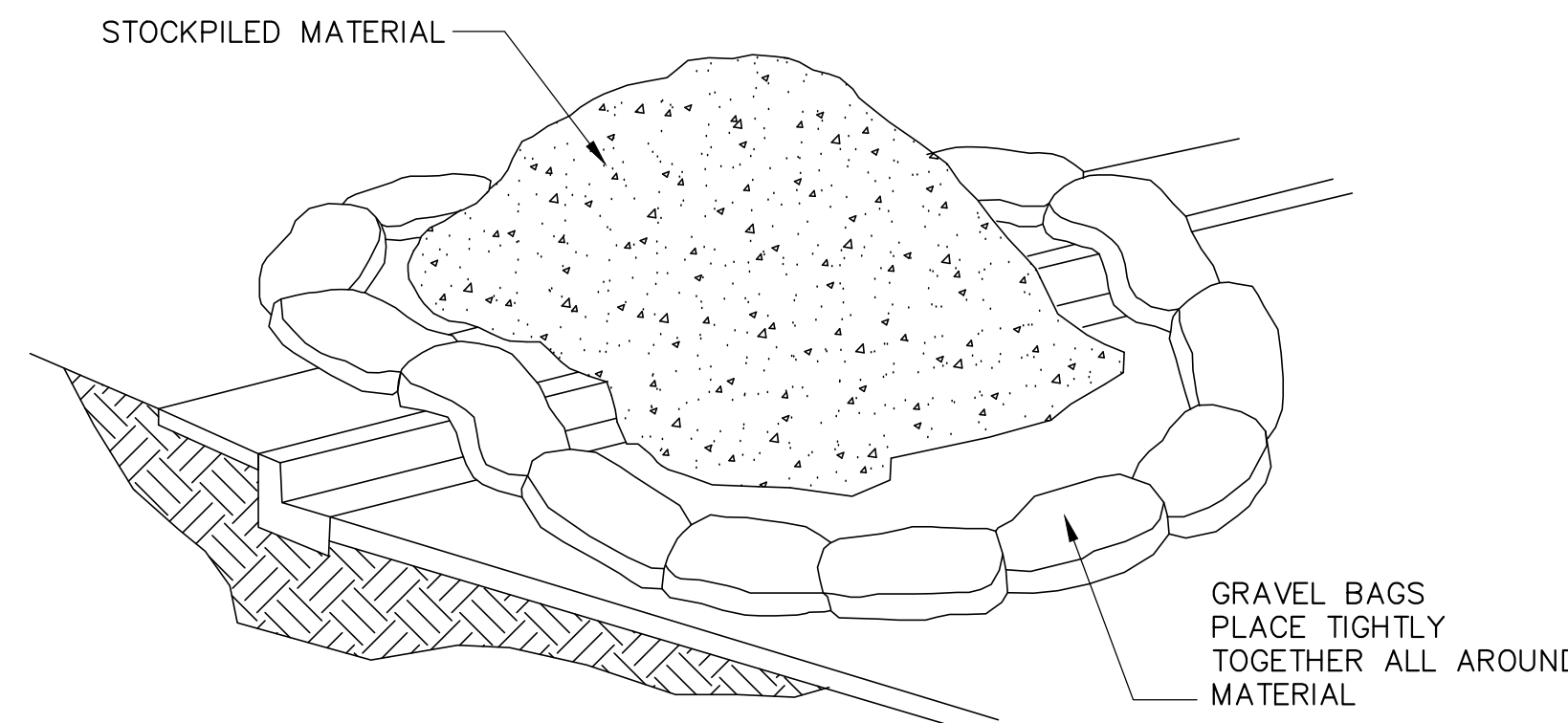
- TC1 - STABILIZED CONSTRUCTION ENTRANCE EXIT
- TC2 - STABILIZED CONSTRUCTION ROADWAY
- TC3 - ENTRANCE/OUTLET TIRE WASH

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

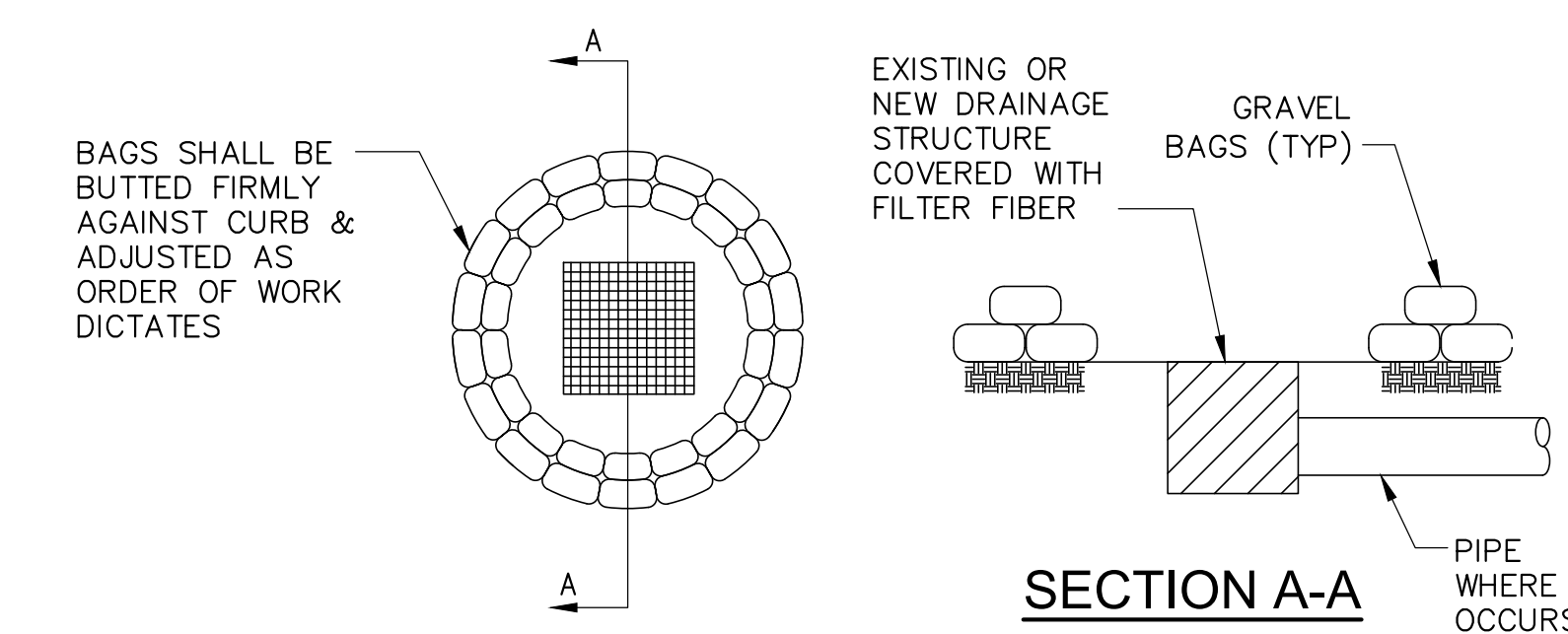
- WE1 - WIND EROSION CONTROL



NOTES:

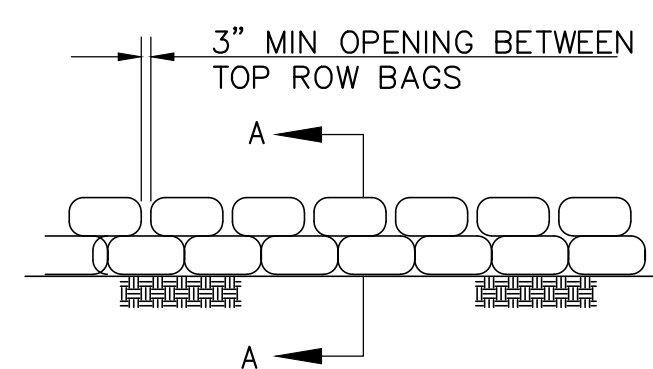
1. DIRT AND OTHER CONSTRUCTION RELATED MATERIALS PLACED IN THE STREET OR ON OTHER IMPERVIOUS SURFACES MUST BE CONTAINED WITH SANDBAGS OR OTHER MEASURES TO PREVENT TRANSPORT TO THE STORMDRAIN SYSTEM.
2. ANY CONSTRUCTION MATERIAL STORED OR STOCKPILED ON-SITE SHALL BE PROTECTED FROM BEING TRANSPORTED BY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

3 MATERIAL STORAGE NOT TO SCALE



4 GRAVEL BAG CHECKDAM NOT TO SCALE

1 GENERAL NOTES



SECTION A-A

2 GRAVEL BAG DETAIL

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



LISTEN COLLABORATE CREATE

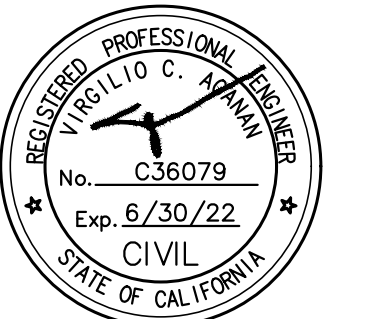
610 E. Franklin Ave
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ARCHITECT STAMP

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



1001 DURFEE AVE.,
SOUTH EL MONTE, CA 91733

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

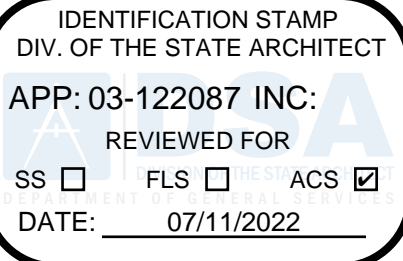
PROJECT NO.: **20175.01**
01/07/22

SHEET TITLE:

EROSION DETAILS

SHEET NO.:

C-410



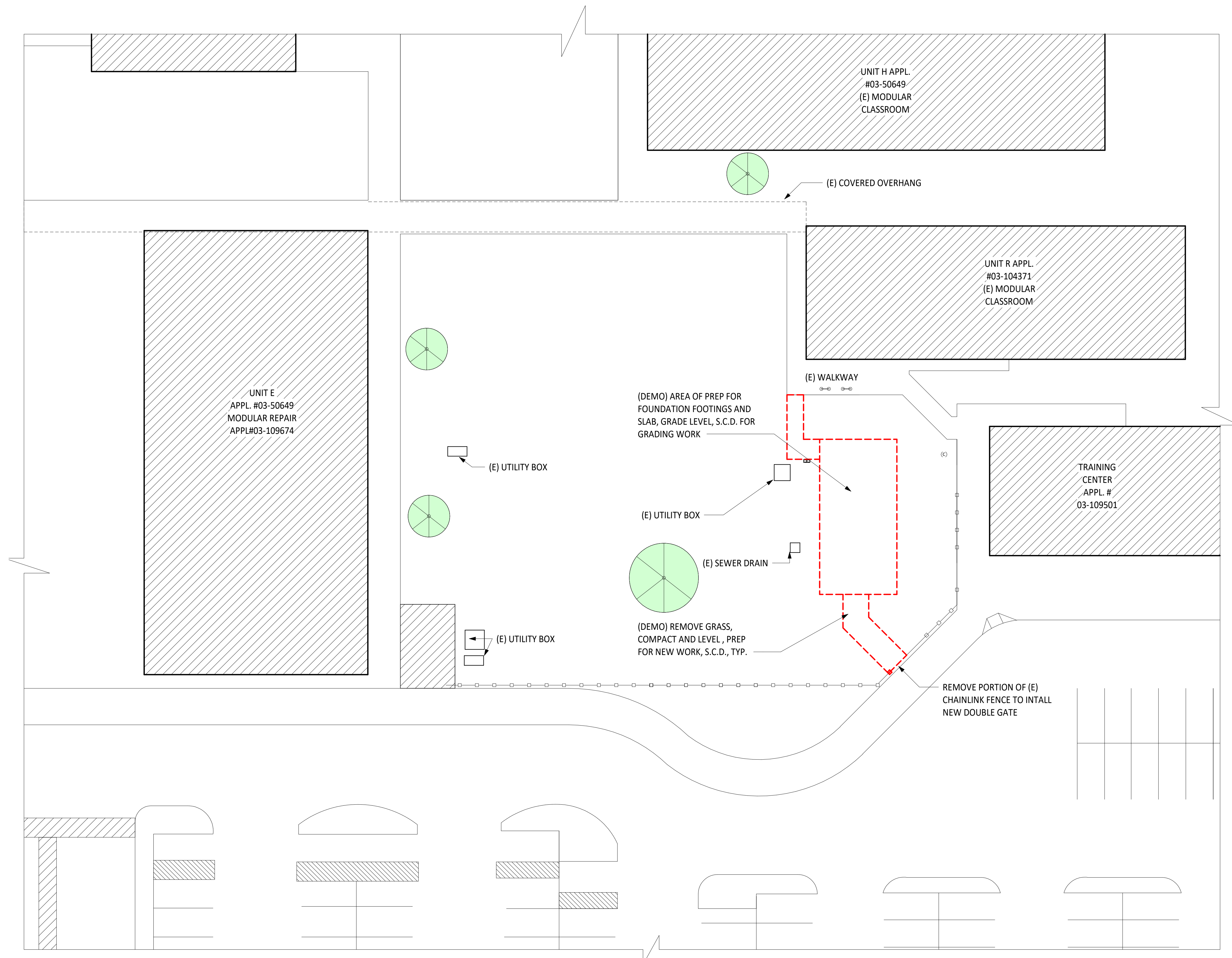
MARK	DATE	DESCRIPTION
	01/07/22	100% CD SET
	03/03/22	DSA SUBMITTAL
V2		DSA V2 SUBMITTAL

SHEET NOTES

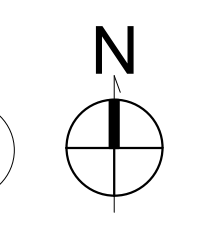
1. FIELD VERIFY ALL DIMENSIONS, PRIOR TO INSTALLATION
2. REMOVE ANY OBSTRUCTIONS AT AREA OF WORK, COORDINATE WITH DISTRICT
3. PROTECT ALL EXISTING SITE AND BUILDING ELEMENTS.
4. FOR SITE UTILITIES & TRENCHING TO GREENHOUSE, SEE M.E.P. DRAWINGS FOR ADDITIONAL INFORMATION
5. FOR FOUNDATION AND SITE GRADING,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

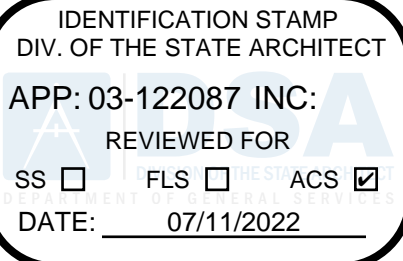
SITE LEGEND

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



DEMOLITION SITE PLAN 1
SCALE: 1/16" = 1'-0"





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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

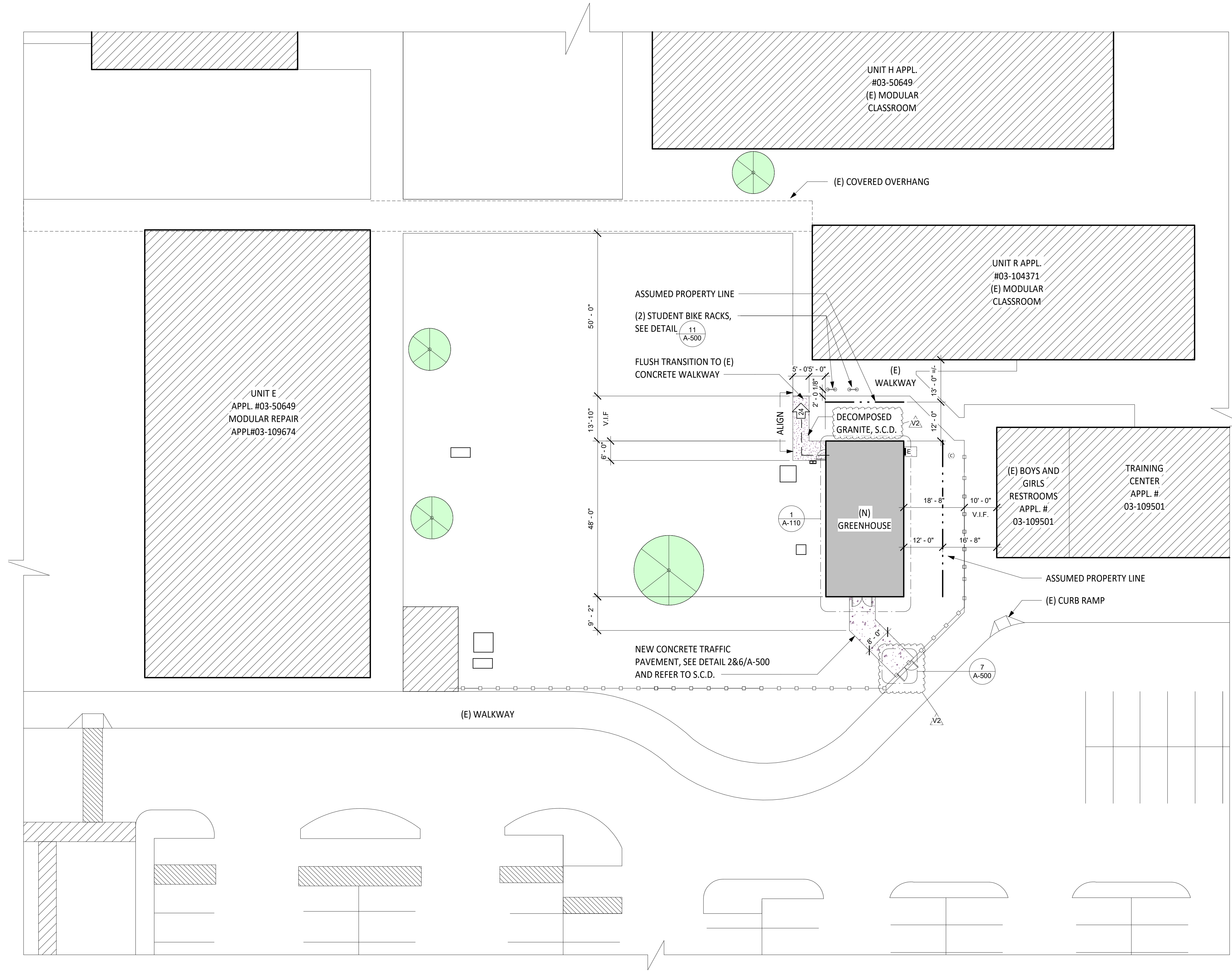
SHEET NOTES

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

REFERENCE IMAGES



ENLARGED SITE PLAN 1
SCALE: 1/16" = 1'-0"

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.

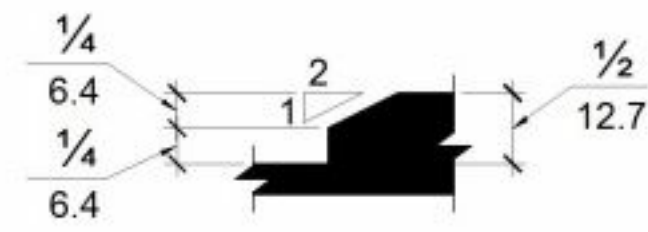
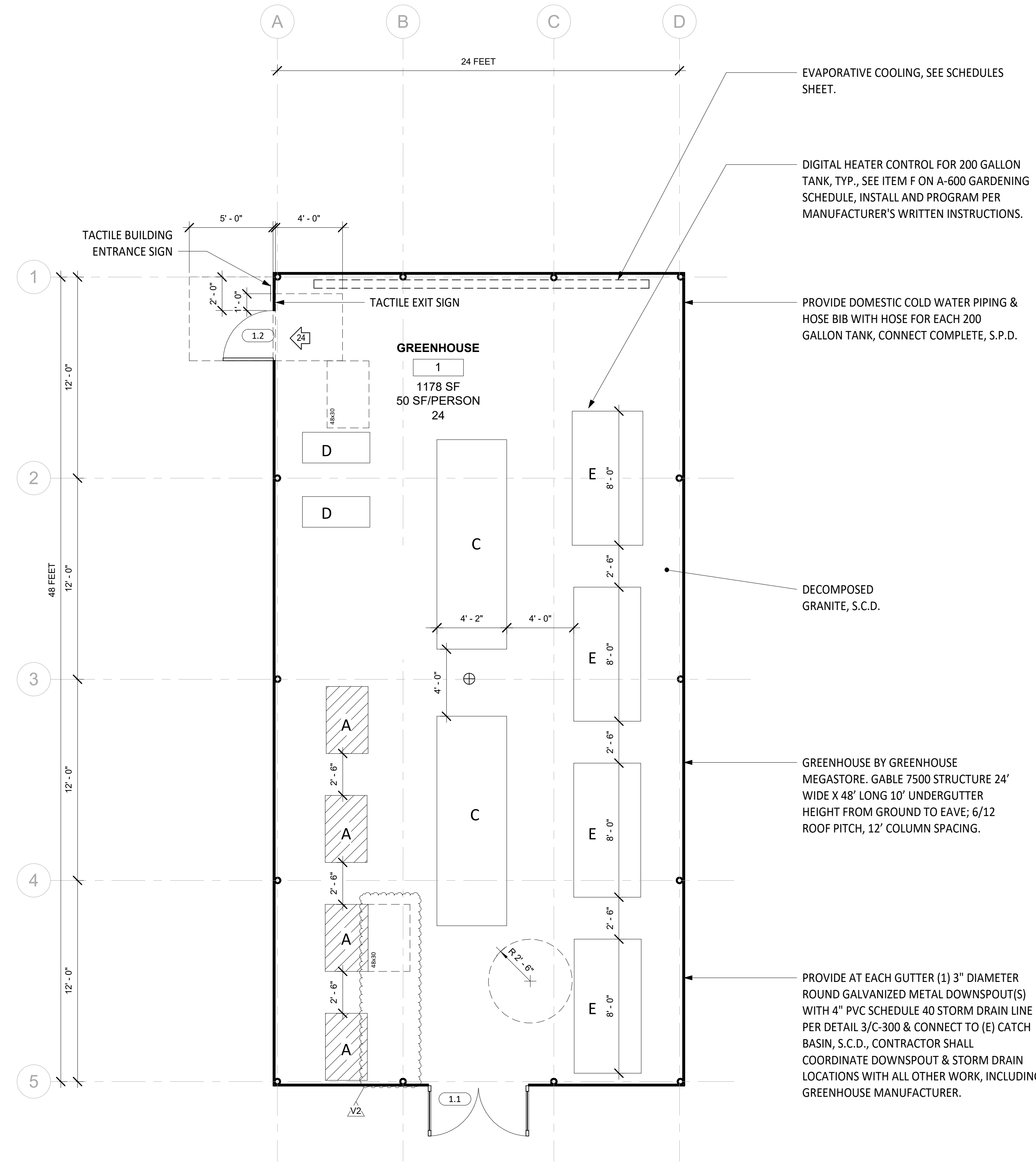


FIGURE 11B-303.3 BEVELED CHANGE IN LEVEL

TYPICAL THRESHOLD 2
SCALE: 12" = 1'-0"



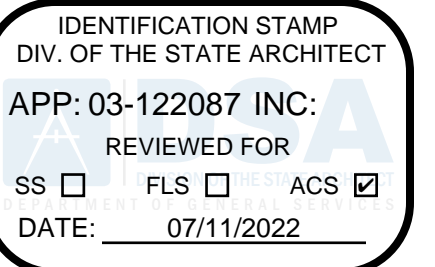
FLOOR PLAN 1
SCALE: 1/4" = 1'-0"

SHEET NOTES

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 ACCOMMODATE 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

- DOOR TAG, SEE SCHEDULES SHEET
- CATCH BASIN, SEE CIVIL DRAWINGS
- DOOR, SEE SCHEDULES SHEET
- POLYCARBONATE GREENHOUSE, SEE SCHEDULES SHEET
- ADA CLEARANCE
- OCCUPANT LOAD



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3537 JOHNSON AVENUE,
EL MONTE, CA 91731

PROJECT NAME:
**SOUTH EL MONTE HIGH SCHOOL -
NEW GREENHOUSE**



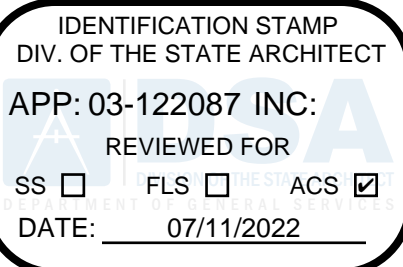
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SOUTH EL MONTE, CA 91733

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



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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:
**GREENHOUSE POWER
PLAN**

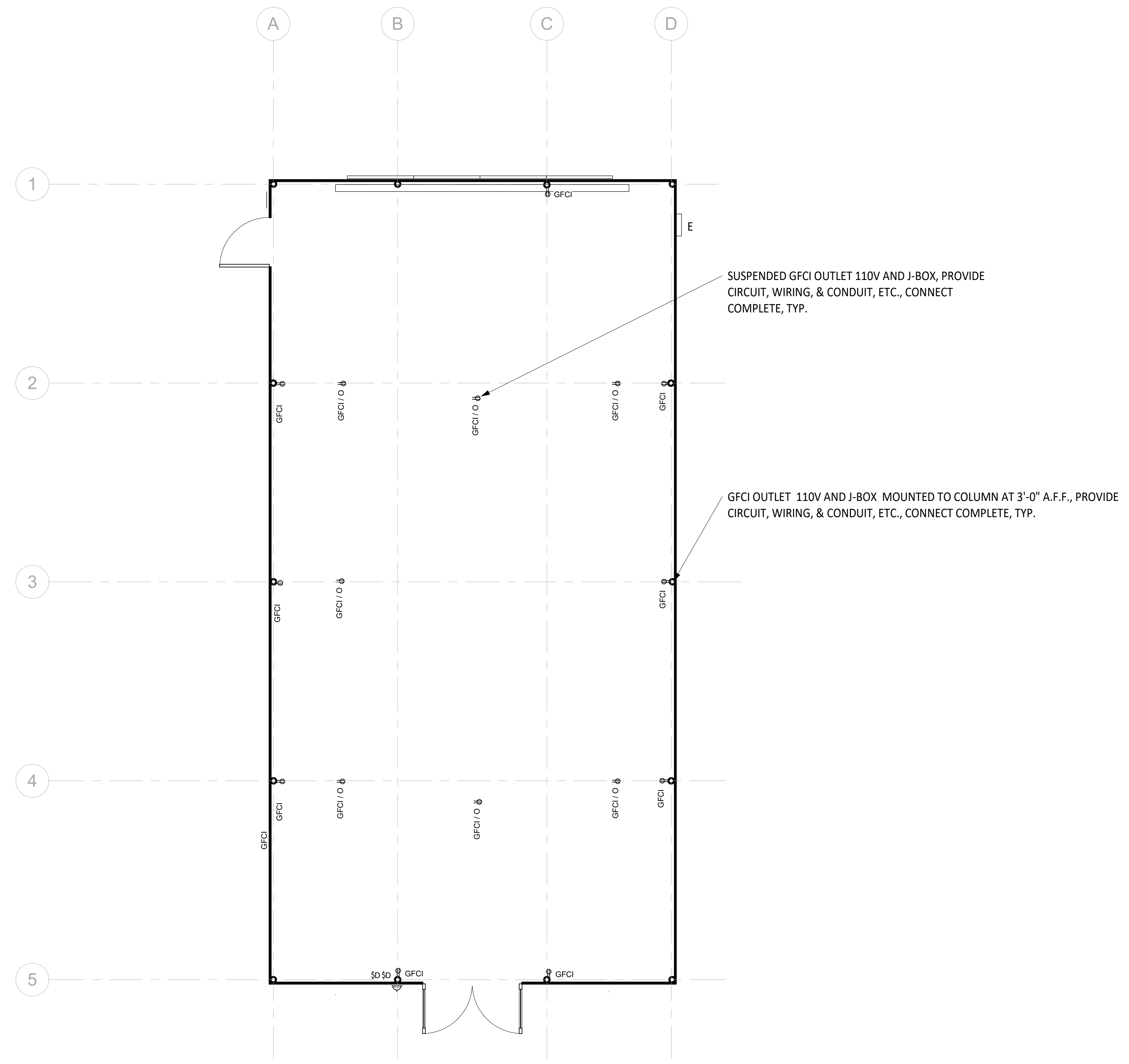
SHEET NO.:
A-111

SHEET NOTES

- LAYOUT IS SCHEMATIC ONLY CONTRACTOR SHALL SIZE ALL NECESSARY EQUIPMENT.
- 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.
- PROVIDE SMOKE & CARBON MONOXIDE DETECTORS WITH BATTERY BACK-UP, INCLUDING WIRING, CONDUIT, & CONNECT COMPLETE.
- ALL STANDARD ELECTRICAL OUTLETS TO BE 12" FROM THE FLOOR U.N.O.
- 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.
- LIGHTING CONTROLS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. U.O.N.
- 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).
- LIGHTING CONTROLS SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF CALIFORNIA ENERGY CODE SECTION 110.9.
- SEE SHEET A-800 FOR ADDITIONAL INFORMATION.
- 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.
- 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.
- SWITCHING AND DIMMING CONTROLS SHALL BE 44" MAX. FROM FINISH GROUND, TYP.

LEGEND

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



GREENHOUSE LIGHTING AND POWER PLAN 1
SCALE: 1/4" = 1'-0"

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 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 Vm = 101 MPH (3 SEC GUST)	EXPOSURE = C	
INTERNAL PRESSURE COEFF. = +/- 0.18		
3. SEISMIC DESIGN INFORMATION

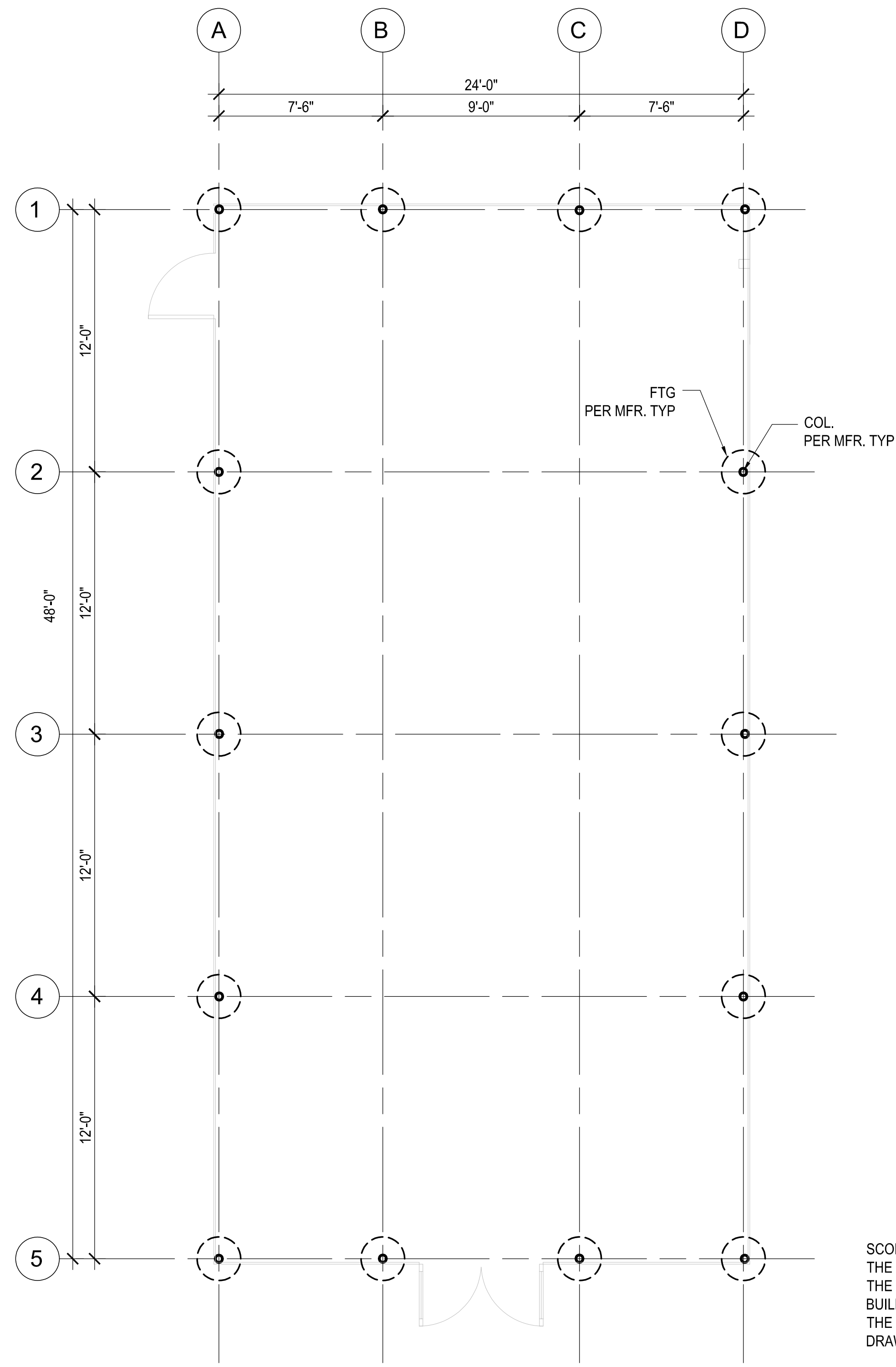
I = 1.25	RISK CATEGORY = 1.25	SITE CLASS = D (DEFAULT)
Ss = 1.878	S1 = 0.673	SDS = 1.503
SD1 = 0.673		
SEISMIC DESIGN CATEGORY = D		

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 1809A.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.

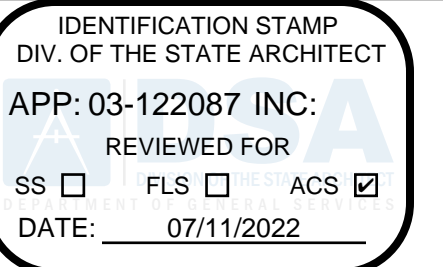
STATEMENT OF SPECIAL INSPECTIONS (DSA):

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.



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

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.



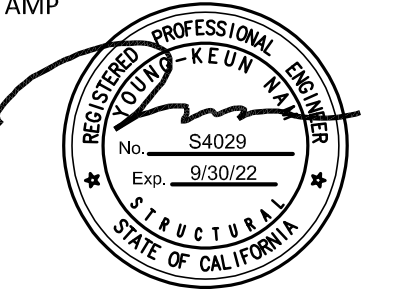
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ARCHITECT STAMP

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



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:
GREENHOUSE FOUNDATION PLAN AND NOTES

SHEET NO.:
S-001

ARCHITECT STAMP

CONSULTANT:

TX ENGINEERING

ADD: 2866 BIRCH LANE,
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 EMAIL: ADMIN@TXECORP.COM

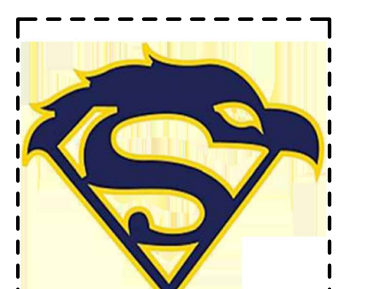
CONSULTANT STAMP

PROJECT OWNER:



3537 JOHNSON AVENUE
 EL MONTE, CA, 91731

PROJECT NAME:



1001 DORFEE AVE.,
 SOUTH EL MONTE, CA 91733

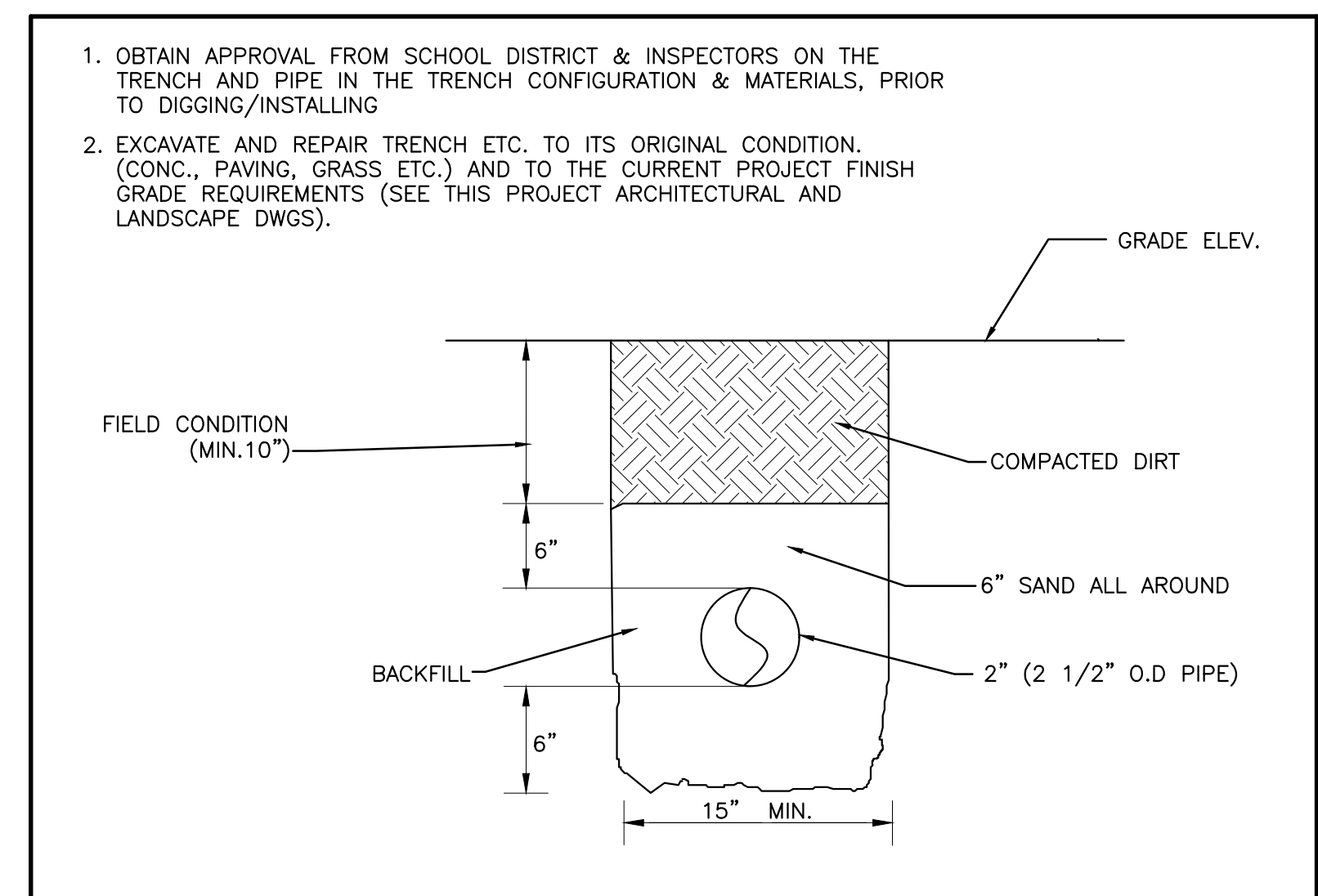
MARK DATE	DESCRIPTION
01-07-2022	100% CD SET
03-03-2022	DSA SUBMITAL

PROJECT NO.:	01/07/22
SHEET TITLE:	PLUMBING LEGEND, NOTES, SCHEDULES
SHEET NO.:	P-100

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)
---	C.D.	CONDENSATE DRAIN
---	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		TEPID WATER (75-78 DEGREE F)
ICW		INDUSTRIAL COLD WATER
W.C.		WATER CLOSET
L.		LAVATORY
		AREA IN SCOPE (TYP.)
T		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		BALLANCIING VALVE (NO-LEAD) REDWHITE 0-4GPM
PG		0-100 PSI PRESSURE GA
TH		THERMOMETER

PLUMBING SPECIFICATIONS

- ### PLUMBING GENERAL NOTES
- 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 OMISSION 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.
 - PROVIDE AND MAINTAIN ACCESS AND WORKING SPACE NEAR MECHANICAL, ELECTRICAL AND CONTROL EQUIPMENT TO PERMIT READY AND SAFE OPERATION, EXAMINATION AND MAINTENANCE.
 - COORDINATE PIPING AND EQUIPMENT LOCATIONS WITH OTHER TRADES.
 - NEW WORK AND INSTALLATION SHALL NOT INTERFERE WITH THE PROPER FUNCTIONS OF EXISTING FACILITY AND COMPLETED PROJECT SHALL PROPERLY FUNCTION ENTIRELY THROUGHOUT. FURNISH ALL LABOR AND MATERIALS REQUIRED TO RELOCATE, REMOVE, REINSTALL, RECONNECT, REPLACE, ETC. ANY EXISTING PLUMBING WORK TO ACCOMMODATE THE NEW LAYOUT.
 - ALL NEW PIPING AND SECTIONS OF PIPING SHALL BE CLEANED, TESTED AND CHLORINATED ACCORDING TO CPC 2019 REQUIREMENTS AND AUTHORITIES HAVING JURISDICTION REQUIREMENTS.
 - 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.
 - 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.
 - MAKE ALL CONNECTIONS TO ALL SERVICES WITH NEW FITTINGS.
 - INTERFERENCE: ALL PLUMBING WORK SHALL BE INSTALLED IN COORDINATION WITH ALL OTHER TRADES AND SITE UTILITIES.
 - 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.
 - 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.
 - ANY SHORING AND FENCING TO PROTECT NEW TRENCHES SHALL BE INCLUDED IN CONTRACTOR'S BID.
 - ALL WORK SHALL BE DONE DURING NORMAL WORKING HOURS UNLESS APPROVED BY AUTHORITIES HAVING JURISDICTION OTHERWISE.



- ### SCOPE OF WORK: SEE P-101 SITE PLAN FOR SCOPE
- 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. PRESS TYPE JOINTS ACCEPTABLE AS AN EQUAL.
 - 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 BRAZED AND VISQUIN SLEEVES INSTALLED FOR PROTECTION.
 - 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)
 - 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.
 - 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.
 - GREENHOUSE CONTRACTOR TO MAKE POC TO UNDERGROUND PIPING AND INSTALL ANY REQUIRED APPROVED BACKFLOW DEVICE ABOVE GRADE.
 - GREENHOUSE CONTRACTOR TO PROVIDE AND INSTALL ANY REQUIRED PIPING AND HOSE BIBBS WITHIN GREENHOUSE.
 - THIS CONTRACTOR TO PROVIDE THE SAME TOPPING MATERIALS AS WERE THERE BEFORE OPENING TRENCHES, COORDINATE WITH ARCHITECTURAL AND LANDSCAPE AND CIVIL DWGS.
 - THIS CONTRACTOR TO PERFORM ALL CLEANING, CHLORINATION, DISINFECTION, TESTING ETC. ACCORDING TO UPC 2019 AND A.H.J. REQUIREMENTS.
 - THIS CONTRACTOR TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS FOR WORK REQUIRED UNDER THIS CONTRACT.
 - CONTRACTOR TO MAKE ARRANGEMENTS TO ISOLATE EXISTING PIPING IN ORDER NOT TO INTERRUPT DAILY SCHOOL OPERATIONS. 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 - NSF61	SDR11	1/2" UP TO 2"	ABS/PVC*	BLACK STEEL	SCH40, SCREWED	COPPER TYPE "M"	PVC ANNA 900
WATER WITHIN 5 FT FROM THE BLDG	INSIDE												ABOVE SLAB
	OUTSIDE	●											BELOW GRADE
WATER UNDERGR.	OUTSIDE		●										
	INSIDE			●									
SAN. VENT	INSIDE												
	OUTSIDE												
GAS	INSIDE												
	OUTSIDE												
STORM DRAINAGE	INSIDE												
	OUTSIDE												
CONDENSATE	INSIDE												

DOMESTIC WATER PIPE SIZING SCHEDULE

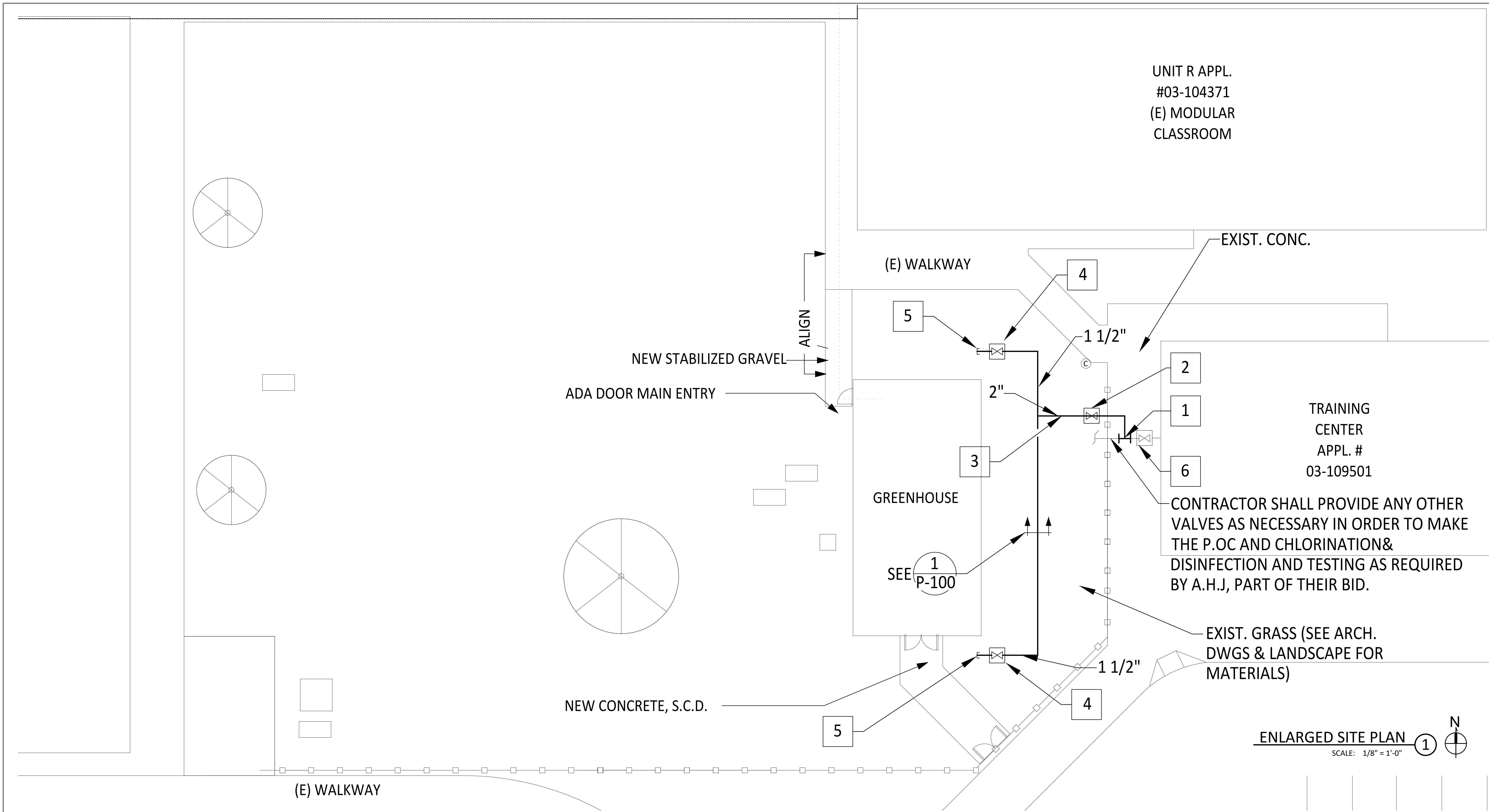
80 PVC PIPE AND FITTINGS

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



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

1. CONTRACTOR TO OBTAIN AND PAY FOR ALL REQUIRED PERMITS.
2. CHLORINATE AND TEST ALL NEW PIPING ACCORDING TO CPC 2019 AND A.H.J REQUIREMENTS.
3. COORDINATE ALL DOWNTIMES WITH OWNERS' ENGINEERS.
4. IMPORT NEW PIPE COVER DIRT IF SOIL CONDITIONS ARE NOT SUTABLE TO USE FOR BACKFILL MATERIALS. (VERIFY IN FIELD)
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.
6. USE ARCHITECTURAL DWGS TO MEASURE DISTANCES/LENGTH, DO NOT USE THE PLUMBING DRAWINGS TO MEASURE LENGTH.

- 1 MAKE (N)2" POC TO (E) 2 1/2" CW BELOW GRADE. VERIFY LOCATION IN THE FIELD.
- 2 NEW YARD BOX WITH 2" SOV AND LABEL COVER: COLD WATER
- 3 NEW 2" PVC SCH80 PIPE BELOW GRADE; OBTAIN APPROVAL FROM SCHOOL DISTRICT/ INSPECTORS ON ALL MATERIALS TO BE INSTALLED (TYPICAL).
- 4 NEW YARD BOX WITH NEW 1 1/2" SOV AND LABEL COVER: COLD WATER
- 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 EXIST. BLDG. SHUT-OFF VALVE IN YARD BOX.

GENERAL NOTES

KEY NOTES:

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

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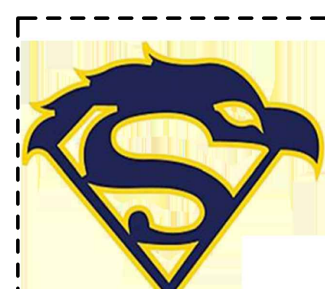
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PROJECT OWNER:

3537 JOHNSON AVENUE
EL MONTE, CA, 91731

PROJECT NAME:

1001 BÜRFFEE AVE.,
SOUTH EL MONTE, CA 91733

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