VENTURA UNIFIED SCHOOL DISTRICT
VENTURA HIGH SCHOOL
GIRLS SOFTBALL IMPROVEMENTS

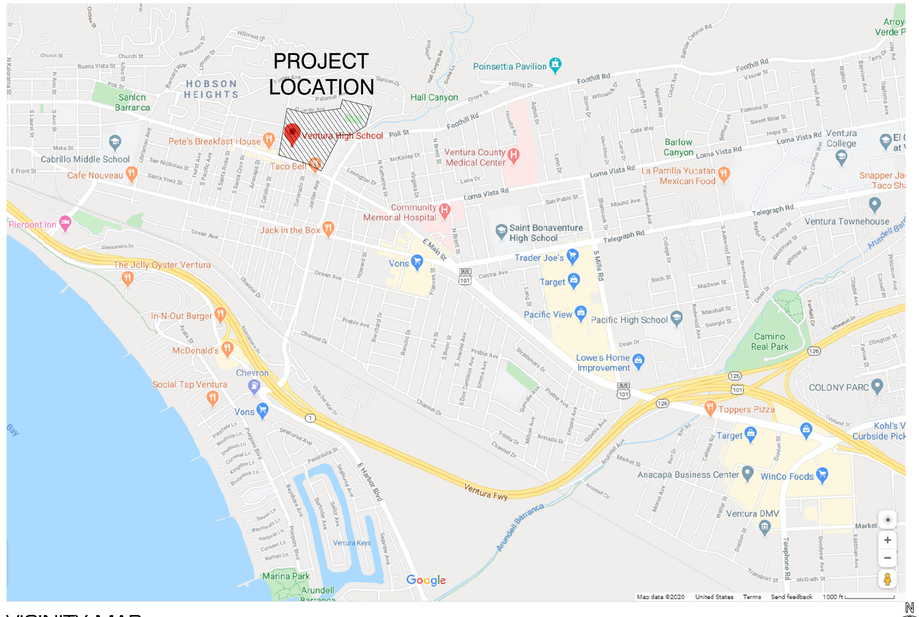
2 N. CATALINA ST, VENTURA, CA 93001

GENERAL REQUIREMENTS:

1. ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
3. A 'DSA CERTIFIED' PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).
4. A 'DSA CERTIFIED' INSPECTOR WITH CLASS 3 CERTIFICATION IS REQUIRED FOR THIS PROJECT.
5. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THIS PROJECT.
6. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHERE-IN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OR REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

GENERAL NOTES

1. ANY DIFFERENCE BETWEEN THE EXISTING CONSTRUCTION AS OBSERVED IN THE FIELD AND AS SHOWN ON THE DRAWINGS SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING WORK THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND COORDINATING ALL DIMENSIONS. REVIEW BUILDING LAYOUT WITH ARCHITECT BEFORE STARTING ANY FOOTING EXCAVATION OR FOUNDATION WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL SITE CONDITIONS REGARDLESS OF INFORMATION SHOWN ON THE DRAWINGS. DISCREPANCIES BETWEEN CONDITIONS SHOWN OR NOT SHOWN ON DRAWINGS AND ACTUAL EXISTING VISIBLE, DISCERNABLE CONDITIONS AT THE JOB SITE, DO NOT RELIEVE THE CONTRACTOR FROM PERFORMING THE WORK OF THIS CONTRACT IN FULL CONFORMANCE WITH THE CONTRACT DOCUMENTS.
4. IT SHALL BE THE RESPONSIBILTY OF THE GENERAL CONTRACTOR TO INSURE THAT ALL APPLICABLE SAFETY LAWS ARE STRICTLY ENFORCED AND TO MAINTAIN A SAFE CONSTRUCTION PROJECT.
5. BIDDERS MUST VISIT THE BUILDING SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS TO PROVIDE A PROJECT COMPLETE IN EVERY DETAIL AND READY FOR OCCUPANCY. DISCREPANCIES OR DELETIONS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE THE BID DATE FOR CORRECTION.
6. ANY DAMAGE DONE TO THE EXISTING SITE OR FACILITIES DURING THE COURSE OF THE WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE WITH NO ADDITIONAL COST TO THE DISTRICT.
7. BIDDERS SHALL ASSUME THAT ALL ITEMS INDICATED ON THE DRAWINGS ARE NEW CONSTRUCTION IF NOT INDICATED WITH AN (N) OR "NEW", UNLESS INDICATED AS "(E)" OR "EXISTING".
8. ALL NEW WORK SHALL MATCH EXISTING IN KEEPING WITH GOOD CONSTRUCTION PRACTICE. IT IS THE INTENT OF THESE DOCUMENTS THAT THE PORTION OF THE SURFACE WHICH HAS BEEN INSTALLED, REPAIRED OR REPLACED, SHALL MATCH THE EXISTING ADJACENT SURFACES, AND THAT THE NEW WORK WILL NOT BE DISCERNABLE FROM THE EXISTING.
9. WHERE MINIMUM DIMENSIONS ARE INDICATED, EXISTING DIMENSIONS IN EXCESS OF THAT SHOWN MAY BE RETAINED UNLESS OTHERWISE NOTED.
10. CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ALL OMISSIONS AND CONFLICTS BETWEEN THE ELEMENTS OF THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THE WORK INVOLVED.
11. CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, LANDSCAPE SITE FEATURES TO REMAIN. ALL DAMAGED WORK SHALL BE REPLACED WITH THE SAME MATERIALS, INCLUDING MATCHING THE EXISTING COLORS AND TEXTURES BY THE CONTRACTOR AT HIS OWN EXPENSE WITH NO ADDITIONAL COST TO THE DISTRICT.
12. FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THIS CODE AND THE APPLICABLE PROVISIONS OF CHAPTER 33 OF CFC
13. THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.
14. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).
15. MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.
16. ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.
17. A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.
18. THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.
19. PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.



VICINITY MAP

SCALE: N.T.S.

ABBREVIATIONS

ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
ADJ	ADJUSTABLE / ADJACENT
A/C	AIR CONDITIONING
ALT	ALTERNATE
ALUM	ALUMINUM
AB	ANCHOR BOLT
&	AND
<	ANGLE
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECT (URAL)
ASPH	ASPHALT
AC	ASPHALT CONCRETE
@	AT
AUTO	AUTOMATIC
BM	BEAM
BLKG	BLOCKING
BD	BOARD
BOT	BOTTOM
BN	BOUNDARY NAILING
BLDG	BUILDING
BUR	BUILT UP ROOFING
CAB	CABINET
CPT	CARPET (ED)
CLG	CEILING
CEM	CEMENT
℄	CENTERLINE
CER	CERAMIC
CIR	CIRCLE
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONN	CONNECTION
CONST	CONSTRUCTION
CJ	CONSTRUCTION JOINT
CONT	CONTINUOUS/CONTINUE
CTSK	COUNTER SINK
DEM	DEMOLISH / DEMOLITION
DET	DETAIL
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DR	DOOR
DBL	DOUBLE
DN	DOWN
DWG	DRAWING
DF	DRINKING FOUNTAIN/ DOUGLAS FIR
EA	EACH
E	EAST
ELEC	ELECTRIC (AL)
ELEV	ELEVATOR / ELEVATION
ENCL	ENCLOSE (URE)
EQ	EQUAL
EQUIP	EQUIPMENT
EXCA	EXCAVATE
EXH	EXHAUST
(E)	EXISTING
EXP	EXPANSION
EJ	EXPANSION JOINT
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FN	FIELD NAILING
FIN	FINISH (ED)
FIN FLR	FINISH FLOOR
FG	FINISH GRADE
FIXT	FIXTURE
FLASH	FLASHING
FHMS	FLATHEAD MACHINE SCREW
FHWS	FLATHEAD WOOD SCREW
FLR	FLOOR (ING)
FLUOR	FLUORESCENT
FT	FOOT OR FEET
FTG	FOOTING
FND	FOUNDATION
FURR	FURRING
GA	GAGE / GAUGE
GALV	GALVANIZED
GND	GROUND
GYP	GYPSUM
HDW	HARDWARE
HDR	HEADER
HTG	HEATING
HVAC	HEATING VENTILATING & AIR CONDITIONING
HT	HEIGHT
HC	HOLLOW CORE
HM	HOLLOW METAL
HOR	HORIZONTAL
ICV	IRRIGATION CONTROL VALVE
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
L	LENGTH/LONG
LAB	LABORATORY
LAM	LAMINATE (D)
LAV	LAVATORY
LB	POUND
LF	LINEAR FEET
LT	LIGHT
LVR	LOUVER
MB	MACHINE BOLT
MH	MANHOLE
MFR	MANUFACTURE (R)
MAT	MATERIAL (S)
MAX	MAXIMUM
MECH	MECHANIC (AL)
MBR	MEMBER
MTL	METAL
MIN	MINIMUM
MTD	MOUNT (ED)
MTG	MOUNTING
NAT	NATURAL
(N)	NEW
N	NORTH
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
#	NUMBER
OC	ON CENTER (S)
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE
O/	OVER
PR	PAIR
PNL	PANEL
PKG	PARKING
PTN	PARTITION
PVMT	PAVEMENT
PERF	PERFORATE (D)
PERIM	PERIMETER
PLAS	PLASTIC
PLAM	PLASTIC LAMINATE
PL	PLATE
PLYWD	PLYWOOD
POC	POINT OF CONNECTION
PVC	POLYVINYL CHLORIDE
PCF	POUNDS PER CUBIC FOOT
PSF	POUNDS PER SQUARE FOOT
PT	PRESSURE TREATED
RAD	RADIUS
REF	REFERENCE
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCED
REQ'D	REQUIRED
RESIL	RESILIENT
RET	RETAINING
R/A	RETURN AIR
REV	REVISION(S) / REVISED
RH	RIGHT HAND
RD	ROOF DRAIN
RFG	ROOFING
RM	ROOM
RO	ROUGH OPENING
RHMS	ROUND HEAD MACHINE SCREW
RHWS	ROUND HEAD WOOD SCREW
SHT	SHEET
SHTG	SHEATHING
SMS	SHEET METAL SCREW
SHWR	SHOWER
SIM	SIMILAR
SC	SOLID CORE
S	SOUTH
SPK	SPEAKER
SPEC	SPECIFICATION (S)
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE / STRUCTURAL
SUSP	SUSPENDED
SYS	SYSTEM
TEL	TELEPHONE
TV	TELEVISION
THK	THICK (NESS)
TP	TOP OF PAVEMENT
TS	TOP OF STEEL
TW	TOP OF WALL
T	TOP OF...
TR	TREAD
TS	TUBULAR STEEL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VG	VERTICAL GRAIN
VCT	VINYL COMPOSITION TILE
WSCT	WAINSCOT
WC	WATER CLOSET
WH	WATER HEATER
WP	WATERPROOF (ING)
W/R	WATER RESISTANT
WT	WEIGHT
W	WEST / WOMEN / WIDE
WDW	WINDOW
W/	WITH
W/O	WITHOUT
WD	WOOD

SYMBOLS LEGEND

DETAIL SYMBOL — ? / A8.1 — DETAIL NO. / SHEET NO.

DETAIL CUT SYMBOL — 7 / A8.1

ELEVATIONS — A, B, C, D around 2 / A5.0 — ELEVATION NO. / DRAWING NO. / SHEET NO.

SECTION/ ELEVATION KEY — 1 / A1.0 — SECTION/ ELEVATION NO. / SHEET NO.

DIMENSION LINES — 6" — 8'-0"

WORK CONTROL/DATUM

BREAK LINE

CENTER LINE

GRID LINE SYMBOL — 1

REVISION MARK — REVISION NO. / AREA OF REVISION

PROJECT REFERENCE NORTH — N

APPLICABLE CODES

CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING:

PART 1	2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), TITLE 24 C.C.R.
PART 2	2022 CALIFORNIA BUILDING CODE (CBC), TITLE 24 C.C.R.
PART 3	2022 CALIFORNIA ELECTRICAL CODE (CEC), TITLE 24 C.C.R.
PART 4	2022 CALIFORNIA MECHANICAL CODE (CMC), TITLE 24 C.C.R.
PART 5	2022 CALIFORNIA PLUMBING CODE (CPC), TITLE 24 C.C.R.
PART 6	2022 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.
PART 8	2022 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R.
PART 9	2022 CALIFORNIA FIRE CODE (CFC), TITLE 24, C.C.R.
PART 10	2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), TITLE 24, C.C.R.
PART 11	2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), TITLE 24, C.C.R.
PART 12	2022 CALIFORNIA REFERENCED STANDARDS CODE, TITLE 24, C.C.R.

STATE BUILDING CODE

(Part 1, Title 24, C.C.R.)

"The intent of these drawings and specification is that the work of the alteration, rehabilitation or reconstruction is to be in accordance with Title 24, California Code of Regulations. Should any existing conditions such as deterioration or noncomplying construction be discovered which is not covered by the contract documents wherein the finished work will not comply with Title 24, California Code of Regulations, a change order, or a separate set of plans and specifications, detailing and specifying the required work shall be submitted to and approved by the Division of the State Architect before proceeding with the work"

Changes to the approved drawings and specifications shall be made by an addenda or a construction change document (CCD) approved by the Division of the State Architect, as required by Section 4-338, Part 1, Title 24, CCR.

SHEET INDEX

GENERAL
1. G-001 TITLE SHEET

CIVIL
2. G-1 CIVIL TITLE SHEET
3. D-1 DEMOLITION PLAN
4. C-1 SITE IMPROVEMENT PLAN
5. CD-1 CONSTRUCTION DETAILS
6. CD-2 CONSTRUCTION DETAILS
7. EC-1 EROSION CONTROL PLAN & DETAILS

LANDSCAPE
8. L-100 IRRIGATION PLAN
9. L-101 IRRIGATION NOTES & LEGEND
10. L-200 TURF RENOVATION PLAN
11. L-300 LANDSCAPE DETAILS
12. L-301 LANDSCAPE DETAILS
13. L-400 SHADE PLAN

ARCHITECTURAL
14. A-100 OVERALL CAMPUS FIRE ACCESS SITE PLAN
15. A-101 SITE DETAILS
16. A-102 ENLARGED DEMO SITE PLAN, NEW SITE PLAN
17. A-201 DUGOUT FLOOR PLAN, ELEVATIONS, DETAILS

STRUCTURAL
18. S-001 STRUCTURAL GENERAL NOTES
19. S-002 STRUCTURAL GENERAL NOTES
20. S-101 STRUCTURAL TYPICAL DETAILS
21. S-102 STRUCTURAL TYPICAL DETAILS
22. S-201 DUGOUT FOUNDATION & ROOF FRAMING PLANS
23. S-301 DUGOUT STRUCTURAL DETAILS

SCOREBOARD MANUFACTURER'S DRAWINGS (NEVCO)
24. SB0.1 SCOREBOARD COVER SHEET
25. SB0.2 STRUCTURAL NOTES
26. SB0.3 EXAMPLE DSA 103 - TESTING AND INSPECTIONS
27. SB3.2 THREE-COLUMN CAISSON - BOLTED
28. SB5.1 ATTACHMENT DETAILS

TOTAL: 28 SHEETS

PROJECT TEAM

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OWNER

VENTURA UNIFIED SCHOOL DISTRICT
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OFFICE: (805) 641-5000

PROJECT SCOPE

THE PROJECT PRIMARILY CONSISTS OF NEW SCOREBOARD, NEW DUGOUT, FENCING, HARDSCAPE AND SOFTSCAPE IMPROVEMENTS.

GENERAL CONFORMANCE

PROJECT NAME: GIRLS SOFTBALL IMPROVEMENTS AT VENTURA HIGH SCHOOL
VENTURA UNIFIED SCHOOL DISTRICT

APPLICATION NUMBER: 03 - 123899
FILE NUMBER: 56-H7

STATEMENT OF GENERAL CONFORMANCE
☑ THE MANUFACTURERS SHEETS LISTED ON THE SHEET INDEX: SB.0.1, SB0.2, SB3.2 & SB5.1

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1. DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
2. COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS 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 responsibilities under sections 17302 and 81138 of the education code and sections 4-336, 4-341 and 4-344' of title 24, part 1. (title 24, part 1, section 4-317b).

26 July 2024
SIGNATURE OF THE ARCHITECT DATE

TODD A. JESPERSEN, AIA
PRINCIPAL, KBZ ARCHITECTS, INC.
NAME, TITLE, AFFILIATION

C25839
LICENSE #

06/30/2025
EXPIRATION DATE

DSA STAMP & SIGNATURE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123899 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/05/2024

VENTURA UNIFIED SCHOOL DISTRICT
VENTURA HIGH SCHOOL
2 NORTH CATALINA STREET, VENTURA, CA 93001
GIRLS SOFTBALL IMPROVEMENTS

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PRINCIPAL/ARCHITECT

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PROJECT MANAGER

All ideas, design arrangements and plans indicated or represented by this drawing are owned by and are the property of Kruger+Bensen+Ziemer, AIA architects, and were created, evolved and developed for use on, and in connection with, the specified projects. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm or corporation for any purpose whatsoever without the written permission of Kruger+Bensen+Ziemer.

ARCHITECT'S STAMP & SIGNATURE

REGISTERED ARCHITECT TODD A. JESPERSEN No. C-25839 Exp. 06/30/2025 STATE OF CALIFORNIA

ENGINEER'S STAMP & SIGNATURE

CONSULTANT INFORMATION

REVISION	DESCRIPTION	DATE	BY
5	-	-/-/-	XX
4	-	-/-/-	XX
3	-	-/-/-	XX
2	-	-/-/-	XX
1			TJ

DRAWN JL
CHECKED TJ
DATE 01/12/2024
JOB. NO. 23046

SHEET TITLE: TITLE SHEET

SHEET G-001

GIRLS SOFTBALL SITE IMPROVEMENTS

VENTURA HIGH SCHOOL

VENTURA UNIFIED SCHOOL DISTRICT

2 NORTH CATALINA STREET, VENTURA, CALIFORNIA

LIST OF SYMBOLS:

AC	ASPHALTIC CONCRETE
ACP	ASBESTOS CEMENT PIPE
AB	AGGREGATE BASE
BC	BEGIN CURVE
BCR	BEGIN CURB RETURN
BD	BASEMENT DRAIN
BFV	BUTTERFLY VALVE
BM	BENCHMARK
BV	BALL VALVE
BVC	BEGIN VERTICAL CURVE
BW	BACK OF WALK
CIP	CAST IRON PIPE
CJ	CRACK CONTROL JOINT
CL	CLASS
℄ OR C/L	CENTERLINE
CMP	CORRUGATED METAL PIPE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
CTV	CABLE TELEVISION
DIP	DUCTILE IRON PIPE
D	DRAIN
E	ELECTRICAL
DI	DROP INLET
EC	END CURVE
ECR	END CURB RETURN
EG	EXISTING GRADE
EJ	EXPANSION JOINT
EL	ELEVATION
EP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
EW	EACH WAY
EX	EXISTING
FD	FLOOR DRAIN
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
℄ OR FL	FLOWLINE
FLG	FLANGE
FS	FINISH SURFACE
G	GAS
GB	GRADE BREAK
GM	GAS METER
GSP	GALVANIZED STEEL PIPE
GSV	GAS VALVE
GV	GATE VALVE
HB	HOSE BIB
HP	HIGH POINT
INV	INVERT
L	CURVE LENGTH
LF	LINEAL FEET
MH	MANHOLE
MJ	MECHANICAL JOINT
NIC	NOT INCLUDED IN CONTRACT
OC	ON CENTER
OCEW	ON CENTER EACH WAY
PCC	POINT OF COMPOUND CURVATURE
PI	POINT OF INTERSECTION (OF CURVE TANGENTS)
℄ OR P/L	PROPERTY LINE
PRC	POINT OF REVERSE CURVATURE
PVC	POLY-VINYL CHLORIDE
PV	PLUG VALVE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RG	RETAINING GLAND
RSJ	ROUGH SURFACE JOINT
R/W	RIGHT-OF-WAY
S	SEWER
SD	STORM DRAIN
SL	STREET LIGHT
ST STL	STAINLESS STEEL
STA	STATION
STD DTL	STANDARD DETAIL
T	TELEPHONE
T BLK	THRUST BLOCK
TB	TOP OF BERM
TC	TOP OF CURB
TCN	TOP OF CONCRETE
TD	TOP OF DIKE
TF	TOP OF FOOTING
TG	TOP OF GRATE
TI	TRAFFIC INDEX
TL	TRAFFIC LIGHT
TP	TOP OF PAVEMENT
TYP	TYPICAL
TW	TOP OF WALL
VCP	VITRIFIED CLAY PIPE
VPI	VERTICAL POINT OF INTERSECTION (OF VERTICAL CURVE TANGENTS)
W	WATER
W/	WITH
WD	WALL DRAIN
WM	WATER METER
WV	WATER VALVE
△	DELTA (CURVE CENTRAL ANGLE)
±	APPROXIMATELY
%	PERCENT
<	LESS THAN
>	GREATER THAN

LEGEND:

DESCRIPTION	EXISTING	PROPOSED
CENTERLINE		
EDGE OF A.C. PAVEMENT		
ELEVATION	100.00 OR (100.00)	100.00
CONCRETE PAVEMENT		
A.C. PAVEMENT		
PROPERTY LINE		
RIGHT-OF-WAY LINE		
EASEMENT LINE		
CONTOURS (MAJOR)	10	10
CONTOURS (MINOR)	12	12
BENCH MARK		
TREE CANOPY		
APPROX. SAW CUT LINE		
LIMIT OF GRADING LINE		
GRADE BREAK LINE		GB
FLOW LINE		
SLOPE LINE		
FENCE		
RETAINING WALL		
WATER	W	W
SEWER	S	S
STORM DRAIN	SD	SD
POWER	E	E
GAS	G	G
TELEPHONE	T	T
CABLE TV	CTV	CTV
MANHOLE	MH	MH
CLEANOUT	CO	CO
WATER METER & LATERAL	W WM	W WM
FIRE HYDRANT		
THRUST BLOCK		
FITTING		
STREET LIGHT		

ESTIMATED EARTHWORK QUANTITIES:

CUT: 170 CUBIC YARDS

FILL: 40 CUBIC YARDS

NET: 130 CUBIC YARDS EXPORT

NOTE: SHRINKAGE, CONSOLIDATION AND SUBSIDENCE FACTORS AND LOSSES DUE TO CLEARING AND DEMOLITION OPERATIONS ARE NOT INCLUDED. ESTIMATED EARTHWORK QUANTITIES ARE BASED ON THE APPROXIMATE DIFFERENCE BETWEEN EXISTING GRADES AND PROPOSED FINISH GRADES OR PAVEMENT SUBGRADES, AS INDICATED ON THE PLANS, AND SHOULD VARY ACCORDING TO THESE FACTORS AND LOSSES.

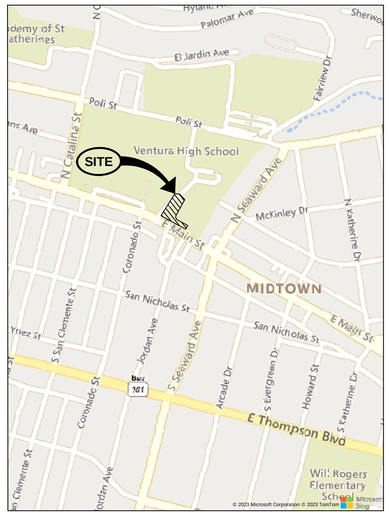
CONTRACTOR SHALL ACCEPT OR CONFIRM EXISTING TOPOGRAPHIC INFORMATION, SHALL REVIEW THE SITE AND THE GEOTECHNICAL REPORT(S) AND MAKE HIS OWN INTERPRETATIONS AND CONCLUSIONS WITH RESPECT THERETO, AND SHALL PERFORM AN INDEPENDENT EARTHWORK ESTIMATE ON WHICH TO BASE HIS BID. ONCE GRADING IS STARTED, THE TOPOGRAPHIC INFORMATION HAS BEEN ACCEPTED BY CONTRACTOR.

IMPORTANT NOTICE

ALL UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR IS TO NOTIFY UNDERGROUND SERVICE ALERT TWO WORKING DAYS PRIOR TO STARTING ANY EXCAVATION OR RESURFACING.

811

Know what's **below.**
Call before you dig.



VICINITY MAP
NOT TO SCALE

BENCHMARK:

NAVD 88

CAUTION! CONFIRM BENCHMARK DATA AND CONDITION WITH PROJECT SURVEYOR (HENRY LAND SURVEYING INC.) PRIOR TO USE.

BASIS OF BEARING:

NAD 83, ZONE 5, US SURVEY FEET.

TOPOGRAPHY:

EXISTING TOPOGRAPHY COMPILED BY FIELD SURVEY(S) BY HENRY LAND SURVEYING INC. DATED 12/12/2022.

SURVEY MONUMENT PROTECTION:

PROTECT AND PRESERVE, IN PLACE, ALL SURVEY MONUMENTS AND BENCHMARKS. DO NOT DISTURB, MOVE, OR RELOCATE MONUMENTS OR BENCHMARKS WITHOUT THE PRIOR REVIEW AND APPROVAL BY THE AGENCY HAVING JURISDICTION OVER THE MONUMENT OR BENCHMARK. THE CONTRACTOR SHALL CONTRACT WITH A LICENSED SURVEYOR FOR MONUMENTS REQUIRING DISTURBANCE OR REMOVAL, AND THE SURVEYOR SHALL RESET THE MONUMENTS OR PROVIDE PERMANENT WITNESS MONUMENTS AND FILE THE REQUIRED DOCUMENTATION WITH THE COUNTY SURVEYOR PURSUANT TO BUSINESS AND PROFESSIONAL CODE SECTION 8771.

OWNERS RESPONSIBILITIES:

A. PRIOR TO COMMENCING CONSTRUCTION CALLED FOR BY THESE PLANS, SPECIFICATIONS AND DETAILS, THE OWNER SHALL ENGAGE A GEOTECHNICAL ENGINEER TO PROVIDE CONSTRUCTION PHASE OBSERVATION AND TESTING SERVICES AN SHALL ALSO ENGAGE THE PROJECT ENGINEER OR ANOTHER QUALIFIED PARTY TO PROVIDE PROJECT CONSTRUCTION OBSERVATION AND ASSURANCES ON CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND AGENCY REQUIREMENTS. THE OWNER SHALL ALSO ASSURE THAT CONTRACTOR(S) ENGAGED TO PROPERLY IMPLEMENT THE CONSTRUCTION CALLED FOR ON THESE PLANS, SPECIFICATIONS AND DETAILS INCLUDING THOSE TASKS CALLED FOR ON THE PROJECT STORM WATER POLLUTION PREVENTION PLAN DOCUMENT OR EROSION CONTROL PLAN SHEETS ATTACHED AS PART OF THESE PLANS.

B. GEOTECHNICAL ENGINEER'S RESPONSIBILITIES:

1. A GEOTECHNICAL ENGINEER SHALL REVIEW THESE PLANS WITH RESPECT TO GENERAL CONFORMANCE WITH THE INTENT OF THE RECOMMENDATIONS PRESENTED IN THE PROJECT SOILS ENGINEERING REPORT. THE PLAN REVIEW SHALL BE PERFORMED SPECIFICALLY WITH RESPECT TO GEOTECHNICAL FACTORS DISCUSSED IN THE REFERENCED REPORT. IN PERFORMING THE REVIEW, A GEOTECHNICAL ENGINEER SHALL ATTEMPT TO VERIFY THAT THE CONCEPTS AND RECOMMENDATIONS PRESENTED IN THE REPORT ARE GENERALLY INCORPORATED INTO THE PLANS. IN ACCORDANCE WITH THIS LEVEL REVIEW, THE PLANS ARE TO BE FOUND IN SUBSTANTIAL CONFORMANCE WITH THE CONCEPTS AND RECOMMENDATIONS PRESENTED IN THE NOTED REPORT.
2. UPON BEING RETAINED BY THE OWNER, PRIOR TO CONSTRUCTION THE GEOTECHNICAL ENGINEER SHALL RECOMMEND TO THE OWNER AND THE CONTRACTOR THE LEVEL OF OBSERVATION AND TESTING THAT WILL BE PROVIDED DURING CONSTRUCTION. PROVIDED THAT THE CONTRACTOR FULFILLS HIS OR HER RESPONSIBILITY FOR TIMELY REQUESTS FOR THOSE SERVICES DURING CONSTRUCTION. THE GEOTECHNICAL ENGINEER SHALL PROVIDE OBSERVATION AND TESTING AT THE PROJECT WORK AREA OF EARTHWORK OPERATIONS, INCLUDING TRENCHING AND PAVEMENT SUBGRADE PREPARATION, AS NECESSARY TO HAVE REASONABLE CERTAINTY THAT THE EARTHWORK IS PERFORMED IN GENERAL COMPLIANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS, AND WITH THE REQUIREMENTS OF THE CITY OF VENTURA.
3. UPON COMPLETION OF EARTHWORK, THE GEOTECHNICAL ENGINEER SHALL, UPON REQUEST, PROVIDE A FINAL REPORT WITH RESULTS OF THEIR OBSERVATION AND TESTING DURING EARTHWORK OPERATIONS. PROVIDED THAT THE WORK IS PERFORMED IN CONFORMANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS, THE REPORT WILL STATE THEIR OPINION THAT THE GRADING WAS COMPLETED IN SUBSTANTIAL COMPLIANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.

C. CONTRACTORS STORM WATER POLLUTION CONTROL RESPONSIBILITIES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT AND MAINTAIN POLLUTION PREVENTION MEASURES, INCLUDING THOSE FOR EROSION AND SEDIMENT CONTROL, AS NECESSARY TO PREVENT ANY POLLUTANT AT ANY LEVEL FROM BEING CONVEYED OFF THE CONSTRUCTION SITE AND THAT THESE MEASURES MUST CONTINUE TO BE MAINTAINED UNTIL THE REQUIRED POST-CONSTRUCTION POLLUTION PREVENTION MEASURES ARE IN PLACE AND COMPLETELY FUNCTIONAL, INCLUDING PERMANENT LANDSCAPING.
2. THE SPECIFIC MEASURES WHICH MAY BE CALLED FOR ON THE PROJECT STORM WATER POLLUTION PREVENTION PLAN CANNOT ADDRESS ALL SITE DEVELOPMENT AND STORM CHARACTERISTICS WHICH WILL EVOLVE OVER THE COURSE OF CONSTRUCTION AND THAT IT IS THE CONTRACTORS RESPONSIBILITY TO NOT ONLY IMPLEMENT THE PLAN, BUT TO MAKE ADJUSTMENTS AND EXPANSIONS IN THE IMPLEMENTATION AS NECESSARY TO ADAPT TO THE CONTRACTOR'S CONSTRUCTION OPERATIONS AND SCHEDULE AND ADDRESS EVOLVING SITE CONDITIONS AND ACTUAL WEATHER CONDITIONS.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE EMPLOYEES AND SUBCONTRACTORS ARE TRAINED REGARDING THESE REQUIREMENTS AND TO MAINTAIN RECORDS OF THE INSTALLATION, MODIFICATION, INSPECTION, AND MAINTENANCE OF STORM WATER POLLUTION PREVENTION MEASURES INCLUDING, BUT NOT LIMITED TO: TRAINING, INSPECTION, MAINTENANCE LOG; RECORD DRAWINGS SHOWING LOCATIONS, LIMITS, AND DATES OF INSTALLATION FOR VARIOUS MEASURES; DATED PHOTOGRAPHERS AND FIELD SKETCHES.
4. THE CONTRACTOR SHALL BE FAMILIAR WITH AND AGREE TO IMPLEMENT THE MEASURES AND INSTALLATIONS DEPICTED ON THE PROJECT STORM WATER POLLUTION PREVENTION PLAN INCLUDING INSTALLATION, ROUTINE INSPECTION AND MAINTENANCE, ADJUSTMENTS AND EXPANSION DUE TO EVOLVING SITE CONDITIONS, EMERGENCY MAINTENANCE AND ADJUSTMENTS DUE TO ACTUAL STORM AND SITE CONDITIONS, AND DOCUMENTATION.

SHEET INDEX

SHEET NO.	GENERAL DESCRIPTION
1	G-1 CIVIL TITLE SHEET
2	D-1 DEMOLITION PLAN
3	C-1 SITE IMPROVEMENT PLAN
4	CD-1 CONSTRUCTION DETAILS
5	CD-2 CONSTRUCTION DETAILS
6	EC-1 EROSION CONTROL PLAN & DETAILS

DSA STAMP & SIGNATURE

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DIV. OF THE STATE ARCHITECT
APP: 03-123899 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/05/2024

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VENTURA HIGH SCHOOL
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SHEET TITLE TITLE SHEET

SHEET G-1



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CALL TOLL FREE 1-800-422-4133

GENERAL CONSTRUCTION NOTES THIS SHEET:

A. REFER TO LEGEND, LIST OF SYMBOLS AND OTHER PLAN BASIS AND PLAN USE INFORMATION ON SHEET G-1.

B. REFER TO SEPARATELY BOUND SPECIFICATIONS FOR ADDITIONAL CONSTRUCTION INFORMATION AND REQUIREMENTS.

C. PROTECT EXISTING UTILITIES WITHIN WORK AREA; NOTIFY UNDERGROUND SERVICE ALERT AT LEAST 2 WORKING DAYS IN ADVANCE OF BEGINNING EXCAVATION AT 1-800-422-4133. REFER TO PLUMBING PLANS FOR DETAILS.

D. PROTECT EXISTING SCHOOL INFRASTRUCTURE WITHIN WORK AREA; INVESTIGATE WITH DISTRICT AND SCHOOL STAFF THE LOCATIONS OF EXISTING BURIED CONDUITS, PIPELINES AND STRUCTURES WITHIN WORK AREA IN ADVANCE OF BEGINNING GRADING OR TRENCHING.

E. EXISTING BURIED CONDUITS / PIPES / STRUCTURES KNOWN TO THE ENGINEER ARE SHOWN ON THE DRAWINGS, BASED ON RECORD INFORMATION OR INPUT FROM OTHERS. THE LOCATIONS OF THOSE SHOWN ARE APPROXIMATE (SCHEMATIC) ONLY AND, MOST LIKELY, OTHERS EXIST WHICH HAVE NOT BEEN SHOWN. INVESTIGATE, LOCATE AND MARK ALL EXISTING BURIED CONDUITS, PIPES AND STRUCTURES PRIOR TO START OF GRADING OR TRENCHING. PROTECT AND MAINTAIN IN SERVICE ALL SUCH FACILITIES UNTIL OTHERWISE APPROVED IN WRITING BY OWNER.

F. HORIZONTAL LOCATIONS OF EXISTING BURIED CONDUITS / PIPES / STRUCTURES AS SHOWN ON THE DRAWINGS OR AS MARKED IN THE FIELD ARE APPROXIMATE ONLY; VERTICAL LOCATIONS ARE NOT KNOWN. BEFORE BEGINNING TRENCHING OR GRADING, LOCATE AND EXPOSE ALL BURIED CONDUITS / PIPES / STRUCTURES WHICH CROSS OR OTHERWISE MAY CONFLICT WITH NEW IMPROVEMENTS OR WHICH ARE TO BE JOINED BY NEW CONSTRUCTION AND HAVE HORIZONTAL AND VERTICAL LOCATIONS DETERMINED BY SURVEY. PROVIDE RESULTS OF THIS INVESTIGATION AND SURVEY TO ENGINEER FOR REVIEW BEFORE WORK IS COMMENCED. ALLOW FIVE (5) WORKING DAYS FOR REVIEW; MORE TIME MAY BE REQUIRED DEPENDING ON COMPLETENESS OF INFORMATION PROVIDED AND ON EXTENT OF CONFLICTS, IF ANY.

G. IF SCHOOL-OWNED ELECTRICAL CONDUITS ARE SUSPECTED OF BEING IN THE WORK AREA BUT CANNOT BE LOCATED, ATTEMPT TO HAVE SCHOOL OPERATIONS / MAINTENANCE STAFF SHUT OFF POWER TO THOSE CONDUITS DURING EXCAVATION. TIMING AND DURATION OF SHUT-OFFS MUST BE APPROVED IN ADVANCE BY SCHOOL ADMINISTRATION SO AS NOT TO ADVERSELY IMPACT SCHOOL AND EXTRA CURRICULAR ACTIVITIES.

H. RETAIN A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL AND VERTICAL CONTROL FOR LAYOUT OF THE WORK, FOR SURVEYING LOCATIONS OF EXISTING BURIED PIPELINES, CONDUITS AND STRUCTURES, AND FOR GRADE CONFIRMATION WHERE REQUIRED DURING CONSTRUCTION.

CONFIRM CONTROL DATA WITH TOPOGRAPHIC MAPPING SURVEYOR (SIMPSON LAND SURVEYING) PRIOR TO STAKING WORK. IN ADDITION, CHECK STAKING AT KEY LOCATIONS BY SCALING DISTANCES AND TAPING FROM EXISTING FEATURES SHOWN ON PLAN.

I. DEMOLISH AND REMOVE EXISTING OBJECTIONABLE MATERIAL FROM THE WORK AREA AND DISPOSE OF AS NECESSARY TO COMPLETE THE WORK, WHETHER OR NOT SPECIFICALLY CALLED FOR ON THE DRAWINGS.

J. WHETHER OR NOT SPECIFICALLY CALLED FOR ON THE DRAWINGS, PROTECT FROM DAMAGE ALL EXISTING FEATURES WITHIN AND IN THE VICINITY OF THE WORK AREA WHICH ARE NOT TO BE ALTERED BY PROPOSED WORK.

1. DOCUMENT THE EXISTING CONDITION AND PROVIDE SUCH DOCUMENTATION TO OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO BEGINNING WORK.

2. PROTECT DURING CONSTRUCTION FROM PHYSICAL AND ESTHETIC DAMAGE INCLUDING CRACKING, SCRAPING, DEFORMING, SOILING, AND SPATTER FROM PAINT, CONCRETE OR ASPHALT EMULSION.

3. RESTORE TO PRE-CONSTRUCTION CONDITION AND APPEARANCE TO SATISFACTION OF DISTRICT AT NO ADDITIONAL COST TO DISTRICT.

☐ DEMOLITION NOTES:

(NUMBERED ITEM BELOW CORRESPONDS TO NUMBER WITHIN SQUARE ON DRAWING)

INVESTIGATIONS / PROTECTIONS:

1 PROTECT EXISTING FENCE AND / OR GATE TO REMAIN. WHERE NECESSARY, TEMPORARILY REMOVE AND REPLACE CHAIN LINK FENCING FABRIC TO CONSTRUCT IMPROVEMENTS.

2 PROTECT EXISTING CATCH BASIN TO REMAIN.

3 PROTECT EXISTING AC PAVEMENT TO REMAIN.

4 PROTECT EXISTING UTILITIES AND / OR PULL BOXES TO REMAIN. LIDS TO BE RAISED TO PROPOSED FINISHED GRADES AS NECESSARY.

5 PROTECT EXISTING TREE(S) TO REMAIN.

6 PROTECT EXISTING SOFTBALL FIELD AREA.

7 PROTECT EXISTING CONCRETE SIDEWALK TO REMAIN.

8-19 NOT USED.

REMOVALS:

20 CONSTRUCT SAWCUT LINE AS SHOWN ON PLAN AND PER DETAIL 1 / CD-1. PROTECT EXISTING EDGE OF PAVEMENT IMPROVEMENTS TO REMAIN UNTIL CONSTRUCTION OF CONFORMING IMPROVEMENTS (TYPICAL).

21 DEMOLISH AND REMOVE EXISTING CONCRETE PAVEMENT SECTION.

22 DEMOLISH AND REMOVE EXISTING AC PAVEMENT SECTION.

23 REMOVE EXISTING BLEACHERS.

24 REMOVE EXISTING CHAIN LINK FENCE AND / OR GATE.

25 NOT USED.

26 DEMOLISH AND REMOVE EXISTING DUGOUT CMU WALLS AND FOOTINGS.

27 DEMOLISH AND REMOVE EXISTING CONCRETE CURB.

N

SCALE: 1"=10'
GRAPHIC SCALE
0 10 20 30

DSA STAMP & SIGNATURE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123899 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/05/2024

VENTURA UNIFIED SCHOOL DISTRICT
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CHECKED RS
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JOB. NO. 23046

SHEET TITLE DEMOLITION PLAN

SHEET D-1



GENERAL CONSTRUCTION NOTES THIS SHEET:

A. REFER TO LEGEND, LIST OF SYMBOLS AND OTHER PLAN USE INFORMATION ON SHEET G-1.

B. REFER TO SEPARATELY BOUND SPECIFICATIONS FOR ADDITIONAL CONSTRUCTION INFORMATION AND REQUIREMENTS.

C. REFER TO DEMOLITION PLAN SHEET D-1 FOR SPECIFIC REMOVALS AND PROTECTIONS.

D. REFERENCE LANDSCAPE ARCHITECT'S PLANS FOR ALL HARDSCAPE COLORS AND FINISHES.

E. PROTECT ALL EXISTING UTILITY VAULTS, ELECTRICAL PANELS, PULL BOXES AND APPURTENANCES UNLESS SPECIFICALLY CALLED OUT ON PLANS. RAISE LIDS TO PROPOSED GRADE AS NECESSARY. SEE PLUMBING PLANS FOR DETAILS. NOTIFY UNDERGROUND SERVICE ALERT AT LEAST 2 WORKING DAYS IN ADVANCE OF BEGINNING EXCAVATION AT 1-800-422-4133.

F. EXISTING BURIED CONDUITS, PIPES AND/OR STRUCTURES KNOWN TO THE ENGINEER ARE SHOWN ON THE DRAWINGS BASED ON RECORD DRAWING INFORMATION OR INPUT FROM OTHERS. THE LOCATIONS OF THOSE SHOWN ARE APPROXIMATE (SCHEMATIC) ONLY AND, MOST LIKELY, OTHERS EXISTING WHICH HAVE NOT BEEN SHOWN. BEFORE ORDERING MATERIALS FOR, OR BEGINNING WORK ON PROPOSED BURIED CONDUITS AND PIPING, EXCAVATE TO LOCATE AND EXPOSE EXISTING FACILITY TO BE JOINED. DETERMINE PRECISE INVERT ELEVATION AT PROPOSED POINT OF CONNECTION AND RECORD MATERIAL TYPE AND DIMENSIONS AND PROVIDE INFORMATION TO ENGINEER FOR REVIEW AND FOR ESTABLISHING GRADE LINE FOR SEWER AND STORM DRAIN BEFORE WORK IS COMMENCED. ALLOW FIVE (5) WORKING DAYS FOR REVIEW.

G. IF SCHOOL-OWNED ELECTRICAL CONDUITS ARE SUSPECTED OF BEING IN THE WORK AREA BUT CANNOT BE LOCATED, ATTEMP TO HAVE SCHOOL OPERATIONS / MAINTENANCE STAFF SHUT OFF POWER TO THOSE CONDUITS DURING EXCAVATION. TIMING AND DURATION OF SHUT-OFFS MUST BE APPROVED IN ADVANCE BY SCHOOL ADMINISTRATION SO AS NOT TO ADVERSELY IMPACT SCHOOL AND EXTRA CURRICULAR ACTIVITIES.

H. RETAIN A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL AND VERTICAL CONTROL FOR LAYOUT OF THE WORK, FOR SURVEYING LOCATIONS OF EXISTING BURIED PIPELINES, CONDUITS AND STRUCTURES AND FOR GRADE CONFIRMATION WHERE REQUIRED DURING CONSTRUCTION. CONFIRM CONTROL DATA WITH TOPOGRAPHIC MAPPING SURVEYOR (SIMPSON LAND SURVEYING COMPANY) PRIOR TO STAKING WORK. IN ADDITION, CHECK STAKING AT KEY LOCATIONS BY SCALING DISTANCES AND TAPING FROM EXISTING FEATURES SHOWN ON PLAN.

I. CONSTRUCT GRAVITY PIPELINES (SEWER, STORM DRAIN) AHEAD OF OTHER UNDERGROUND CONDUITS.

J. FOR CONCRETE PAVEMENTS, WALKWAYS, CURBS, GUTTERS AND WALLS, LAY OUT EXPANSION AND CONTROL JOINTS PER DRAWINGS AND SPECIFICATIONS AND MARK JOINT LOCATIONS ON FORMS FOR REVIEW BY OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO ORDERING CONCRETE.

K. WHETHER OR NOT SPECIFICALLY CALLED FOR ON THE DRAWINGS, PROTECT FROM DAMAGE ALL EXISTING FEATURES WITHIN AND IN THE VICINITY OF THE WORK AREA WHICH ARE NOT TO BE ALTERED BY PROPOSED WORK:

1. DOCUMENT THE EXISTING CONDITION AND PROVIDE SUCH DOCUMENTATION TO OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO BEGINNING WORK.
2. PROTECT DURING CONSTRUCTION FROM PHYSICAL AND ESTHETIC DAMAGE INCLUDING CRACKING, SCRAPING, DEFORMING, SOILING, AND SPATTER FROM PAINT, CONCRETE OR ASPHALT EMULSION.
3. RESTORE TO PRE-CONSTRUCTION CONDITION AND APPEARANCE TO SATISFACTION OF DISTRICT AT NO ADDITIONAL COST TO DISTRICT.

SPECIFIC CONSTRUCTION NOTES THIS SHEET:

(NUMBERED ITEM BELOW CORRESPONDS TO NUMBER WITHIN HEXAGON ON DRAWING)

SITE IMPROVEMENTS:

1 CONSTRUCT SAWCUT LINE WHERE SHOWN ON PLAN PER DETAIL 1 / CD-1. PROTECT EXISTING EDGE OF A.C. OR CONCRETE IMPROVEMENT TO REMAIN UNTIL CONSTRUCTION OF CONFORMING IMPROVEMENTS (TYPICAL).

2 CONSTRUCT CONCRETE WALKWAY PER DETAIL 2 / CD-1.

3 CONSTRUCT JOINTS IN CONCRETE WALKWAY SURFACING PER DETAIL 3 / CD-1, WHERE SHOWN ON PLAN. ALL JOINTS SHOWN ARE CONSTRUCTION OR CONTROL JOINTS UNLESS DESIGNATED EXPANSION JOINT (EJ).

4 CONSTRUCT CONCRETE WALKWAY RETAINING CURB TO ELEVATIONS ON PLAN AND PER DETAIL 4 / CD-1.

5 CONSTRUCT CONCRETE WALKWAY EDGE CURB TO ELEVATIONS ON PLAN AND PER DETAIL 5 / CD-1.

6 CONSTRUCT FENCE AND/OR GATE PER ARCHITECT'S PLANS AND SPECIFICATIONS.

7 CONSTRUCT CONCRETE MOW CURB PER DETAIL 6 / CD-1.

8 PROTECT EXISTING FENCE AND/OR GATE TO REMAIN. EXISTING POSTS TO BE SET IN PROPOSED CONCRETE. WHERE NECESSARY, TEMPORARILY REMOVE AND REPLACE CHAIN LINK FENCING FABRIC TO CONSTRUCT IMPROVEMENTS.

9 GRADE UNPAVED AREAS WITHIN LIMITS OF DISTURBANCE TO FINISH GRADES, FLOWLINES AND CONTOURS PER PLAN AND TO PROVIDE SMOOTH TRANSITION BETWEEN NEW AND EXISTING IMPROVEMENTS. SEE LANDSCAPE PLANS FOR PLANTING PLAN.

10 PROTECT EXISTING TREE(S). VERIFY WITH LANDSCAPE ARCHITECT.

11 CONSTRUCT ACCESSIBLE PARKING PAVEMENT MARKINGS PER DETAILS 7 AND 8 / CD-1.

12 CONSTRUCT 6" CONCRETE CURB TO ELEVATIONS SHOWN ON PLAN AND PER DETAIL 15 / CD-2.

13 CONSTRUCT CURB RAMP PER DETAIL 9 / CD-1 WITH 3'-0" WIDE TRUNCATED DOME PAVERS IN CONCRETE PER DETAILS 10 AND 11 / CD-1.

14 CONSTRUCT AC PAVEMENT STRUCTURAL SECTION PER DETAIL 12 / CD-2.

15 CONSTRUCT CMU WALL DUGOUT STRUCTURE PER ARCHITECT'S PLANS AND SPECIFICATIONS.

16 INSTALL BLEACHERS PER ARCHITECT'S PLANS AND SPECIFICATIONS.

17 INSTALL BENCH PER ARCHITECT'S PLANS AND SPECIFICATIONS.

18 CONSTRUCT CHAIN LINK VISITORS DUGOUT PER ARCHITECT'S PLANS AND SPECIFICATIONS.

19 INSTALL SCOREBOARD PER ARCHITECT'S PLANS AND SPECIFICATIONS. OVEREXCAVATE 4' BELOW FINISHED SUBGRADE ELEVATION AND 3' BEYOND FOOTING AS SHOWN ON PLAN. THE RESULTING SURFACE SHOULD THEN BE SCARIFIED AN ADDITIONAL 6", MOISTURE CONDITIONED, AND RECOMPACTED TO AT LEAST 90% OF MAX. DENSITY.

20 NOT USED.

STORM DRAINS:

21 CONSTRUCT CAST-IN-PLACE CATCH BASIN TO ELEVATIONS SHOWN ON PLAN AND PER DETAIL 13 / CD-2.

22 CONSTRUCT 6" HDPE STORM DRAIN LINE WITH MINIMUM 0.5% SLOPE IN TRENCH PER DETAIL 14 / CD-2.

23 CONSTRUCT CONNECTION TO EXISTING CATCH BASIN WITH FITTINGS AS NECESSARY. VERIFY EXISTING CATCH BASIN INVERT PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.

24 EXISTING CATCH BASIN TO BE FITTED WITH SOLID COVER ADJUSTED TO PROPOSED FINISH SURFACE.

IMPORTANT NOTICE

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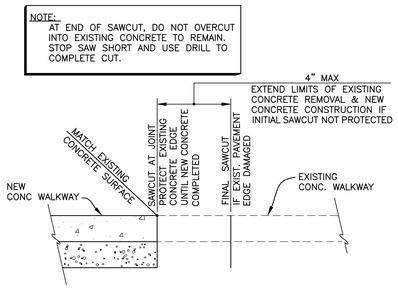
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FLOWERS & ASSOCIATES, INC.

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DATE 06/10/2024
JOB. NO. 23046

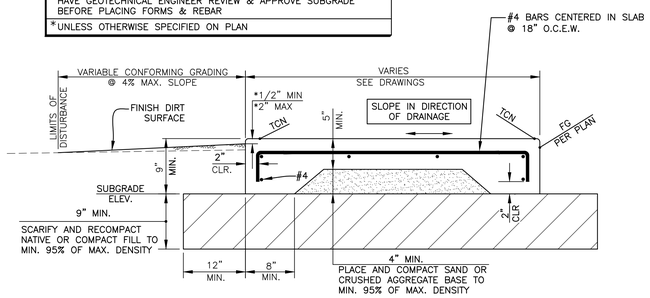
SHEET TITLE SITE IMPROVEMENT PLAN

SHEET C-1



1 **SAWCUT DETAIL**
NOT TO SCALE

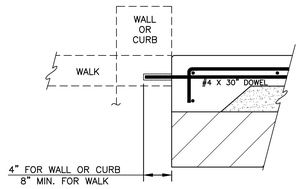
CONSTRUCT CONCRETE PER SPECIFICATIONS
THICKENED EDGE IS ON ALL SIDES UNLESS OTHERWISE NOTED
CONSTRUCT ⅜" RADIUS ROUNDING ON ALL EXPOSED CORNERS
FORM ALL SIDES
CONSTRUCT JOINTS PER SPECIFICATIONS AND AS SHOWN ON PLANS
CONSTRUCT BROOM FINISH TRANSVERSE TO PATH OF TRAVEL: MEDIUM BROOM WHERE WALK SLOPE IS 5% OR LESS, HEAVY BROOM WHERE SLOPE IS GREATER THAN 5%.
HAVE GEOTECHNICAL ENGINEER REVIEW & APPROVE SUBGRADE BEFORE PLACING FORMS & REBAR
*UNLESS OTHERWISE SPECIFIED ON PLAN



2 **WALKWAY WITH THICKENED EDGE DETAIL**
NOT TO SCALE

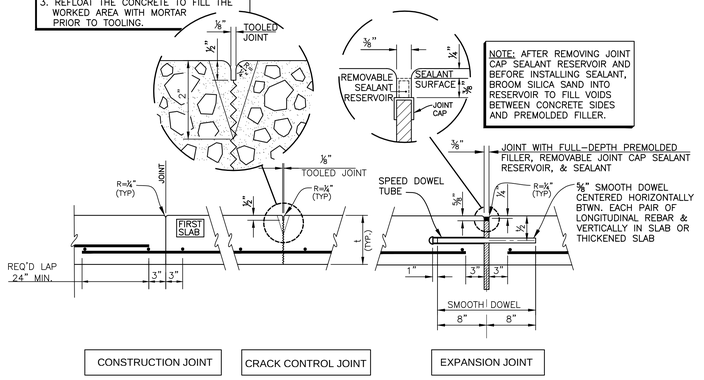
Work Exempt from DSA Requirements for Structural Tests/Special Inspections: Concrete/Masonry: 4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.

IF JOINING EXISTING WALKWAY OR IF ADJACENT TO EXISTING OR PROPOSED STRUCTURE OR CURB, DRILL & EPOXY GROUT (SIMPSON SET-XP ADHESIVE, ICC NO. ESR-2508, OR EQUIVALENT) #4 DOWEL INTO ⅝" DIA HOLE AT 18" O.C. IN WALK, OR 36" O.C. IN STRUCTURE, OR CURB.
WHERE CALLED FOR ON DRAWINGS, CONSTRUCT EXPANSION JOINT BETWEEN WALKWAY AND EXISTING OR PROPOSED STRUCTURE PER 3/CD-1 WITH FIXED END OF DOWEL INTO WALKWAY OR STRUCTURE



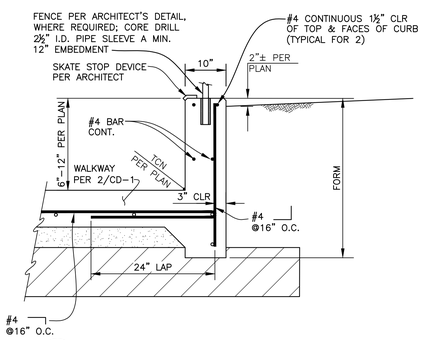
IF ADJACENT TO STRUCTURE / EXIST. WALK
NOT TO SCALE

1. MARK JOINT LOCATIONS ON FORMS.
2. AFTER PRELIMINARY TROWELING, WORK THE CONCRETE USING A STRAIGHT EDGE TO CREATE A DIVISION IN THE COARSE AGGREGATE TO A DEPTH OF 2 INCHES.
3. REFLOAT THE CONCRETE TO FILL THE WORKED AREA WITH MORTAR PRIOR TO TOOLING.

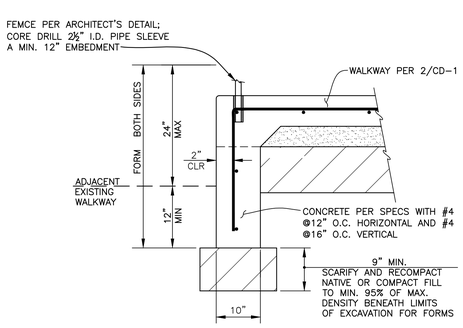


3 **REINFORCED CONCRETE WALKWAY JOINTS DETAIL**
NOT TO SCALE

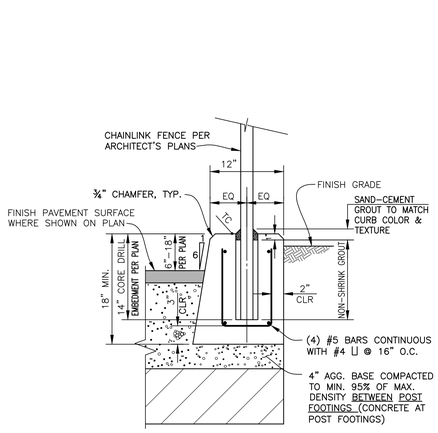
CONSTRUCT WALKWAY PER 2/CD-1, MODIFIED FOR EDGE CURB AND STEMWALL AS SHOWN HEREON
CONSTRUCT ¾" CHAMFER ON ALL EXPOSED CORNERS
CONSTRUCT JOINTS IN TOP & FACES OF CURB TO ALIGN WITH THOSE IN WALK
FOR CURB ONLY, CONSTRUCT SKATE STOP DEVICE 18" FROM END OF OR BEND IN CURB AND AT 36" MAX. SPACING FULL LENGTH OF CURB. FOR CURB WITH HANDRAIL, CONSTRUCT SKATE STOP DEVICES CENTERED BETWEEN EACH PAIR OF POSTS (48" MAX SPACING).
FOR RAILING POST ANCHORAGE, DRILL HOLE WITH I.D. 1" LARGER THAN POST O.D. CENTERED IN CURB. FILL ANNULAR SPACE WITH NON-SHRINK GROUT TO MATCH CURB COLOR & TEXTURE.



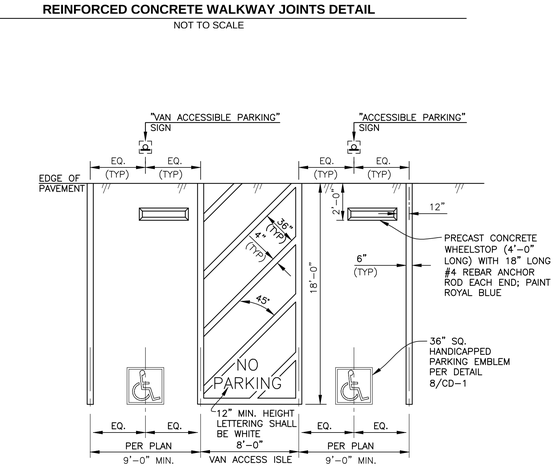
4 **WALKWAY RETAINING CURB DETAIL**
NOT TO SCALE



5 **WALKWAY EDGE CURB WITH STEMWALL DETAIL**
NOT TO SCALE



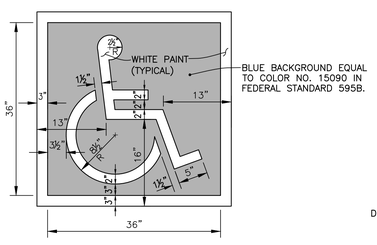
6 **CONCRETE MOW CURB DETAIL**
NOT TO SCALE



ISLE BORDER STRIPES SHALL BE 6"-WIDE; ISLE CROSS STRIPES AND STALL STRIPES SHALL BE 4" WIDE IN CONFORMANCE WITH CBC, LATEST EDITION.
ALL BORDER STRIPING SHALL BE COLOR: BLUE (COLOR NO. 35180 IN FEDERAL STANDARD 595b). "NO PARKING" LETTERING AND HATCHED LINES SHALL BE COLOR: WHITE TO CONTRAST WITH ISLE SURFACE.

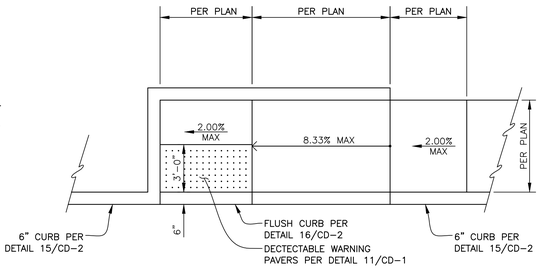
7 **TYPICAL ACCESSIBLE PARKING STALL LAYOUT DETAIL**
NOT TO SCALE

CONSTRUCT 2 COATS OF TRAFFIC PAINT PER SPECIFICATIONS.
LOCATE SYMBOL CENTER AT REAR OF STALL WHERE SHOWN ON PLAN.



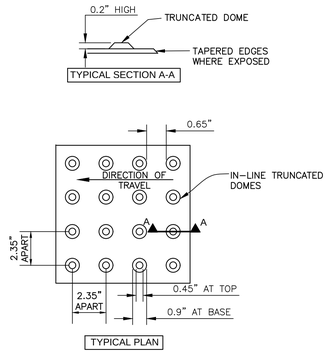
NOTE: ALL ADA FACILITIES TO BE INSTALLED IN CONFORMANCE WITH PROVISIONS PUBLISHED IN CBC, LATEST EDITION.

8 **ACCESSIBLE PARKING STALL EMBLEM DETAIL**
NOT TO SCALE

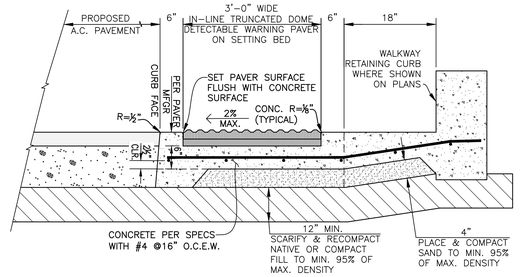


NOTE: ALL ADA FACILITIES TO BE INSTALLED IN CONFORMANCE WITH PROVISIONS PUBLISHED IN CBC (LATEST EDITION).

9 **TYPICAL CURB RAMP DIAGRAM**
NOT TO SCALE



10 **TRUNCATED DOME DETAIL**
NOT TO SCALE



NOTE: ALL ADA FACILITIES TO BE INSTALLED IN CONFORMANCE WITH PROVISIONS PUBLISHED IN CBC (LATEST EDITION).

11 **DETECTABLE WARNING PAVER IN CONCRETE DETAIL**
NOT TO SCALE

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VENTURA UNIFIED SCHOOL DISTRICT
VENTURA HIGH SCHOOL
2 NORTH CATALINA STREET, VENTURA, CA 93001
GIRLS SOFTBALL IMPROVEMENTS

KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA
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PROJECT MANAGER

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ENGINEER'S STAMP & SIGNATURE
HERBERT A. SCHMITZER REGISTERED PROFESSIONAL ENGINEER No. 71335 CIVIL STATE OF CALIFORNIA

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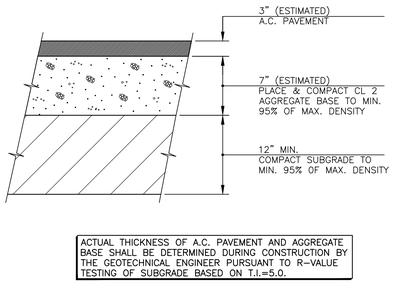
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1	-	-/-/-	XX

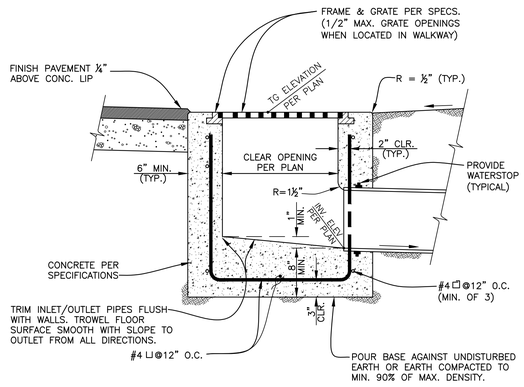
DRAWN CY
CHECKED RS
DATE 06/10/2024
JOB. NO. 23046

SHEET TITLE DETAILS

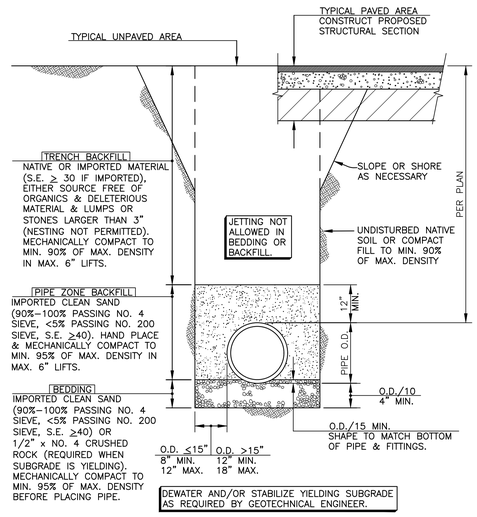
SHEET CD-1



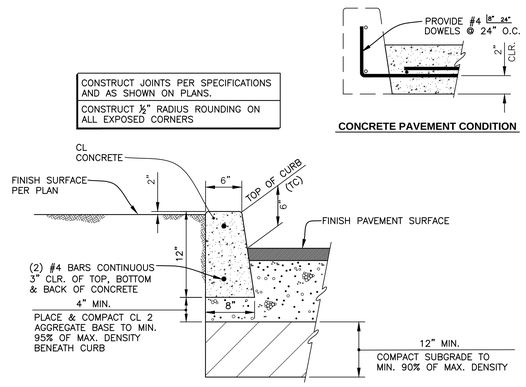
12 TYPICAL A.C. PAVEMENT STRUCTURAL SECTION
NOT TO SCALE



13 CAST-IN-PLACE CATCH BASIN DETAIL
NOT TO SCALE



14 PIPE TRENCH FOR NEW CONSTRUCTION
NOT TO SCALE



15 6" CURB DETAIL
NOT TO SCALE

16 EDGING CURB DETAIL
NOT TO SCALE

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ENGINEER'S STAMP & SIGNATURE
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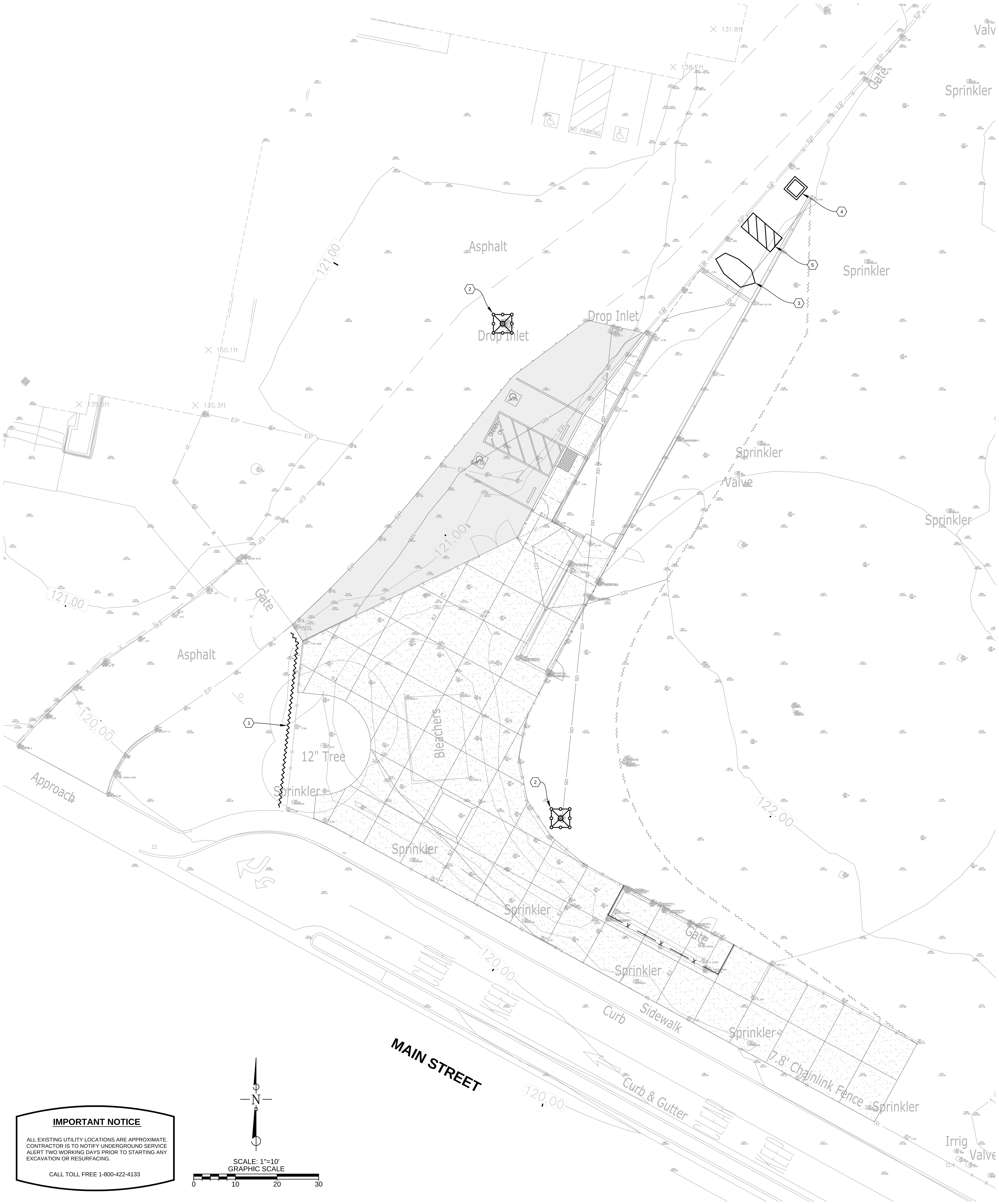
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CHECKED RS
DATE 06/10/2024
JOB. NO. 23046

SHEET TITLE CONSTRUCTION DETAILS

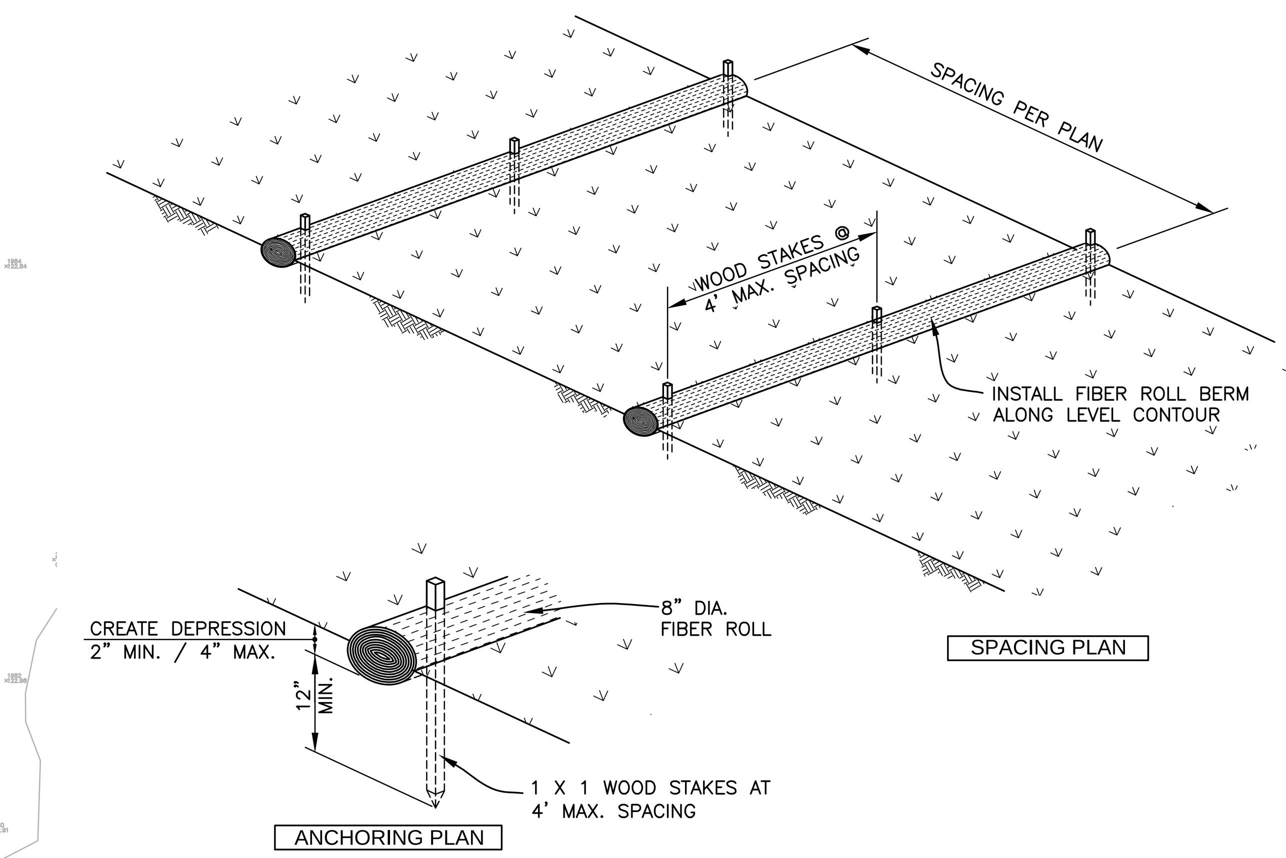
SHEET
CD-2



STORM WATER POLLUTION PREVENTION CONSTRUCTION NOTES THIS SHEET:

(NUMBERED ITEM BELOW CORRESPONDS TO NUMBER WITHIN HEXAGON ON DRAWING)

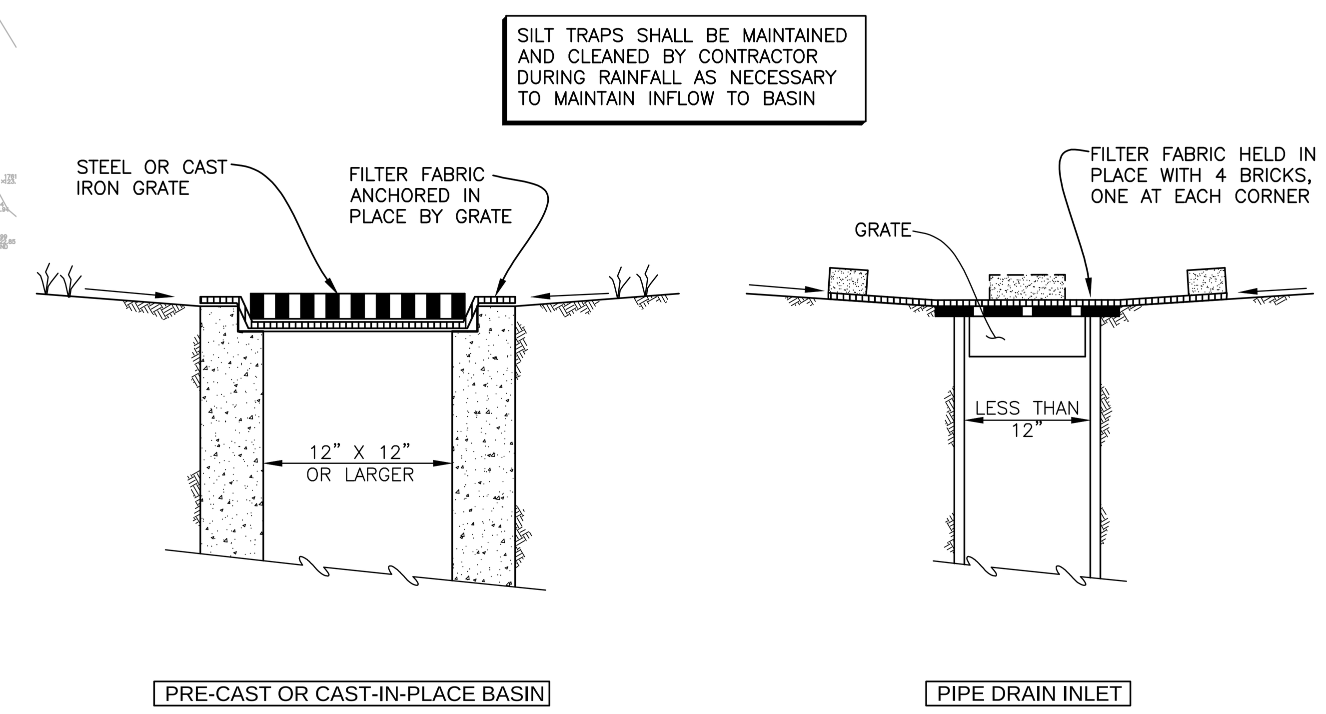
1. INSTALL AND MAINTAIN TEMPORARY FIBER ROLL BERM (STRAW WATTLE) PER DETAIL 1 ON THIS SHEET, OR FILTREXX SILTSOXX PER MANUFACTURER INSTALLATION INSTRUCTIONS.
2. CONSTRUCT TEMPORARY SILT TRAP AT DRAIN INLET PER DETAIL 2 ON THIS SHEET OR FILTREXX SILTSOXX PER MANUFACTURER INSTALLATION INSTRUCTIONS. (TYPICAL, NOT ALL NECESSARY LOCATIONS ARE SHOWN).
3. CONSTRUCT POLLUTION CONTAINMENT AREA PER DETAIL 3 ON THIS SHEET. ACTUAL LOCATION(S) DETERMINED BY CONTRACTOR.
4. PROVIDE 5' DIAMETER X 3' DEEP MINIMUM SIZE WATER TANK WITH TOP REMOVED, OR APPROVED EQUAL, TO SERVE AS WASH-DOWN FACILITY FOR PAINT, PLASTER AND CONCRETE. SEE SWPPP BMP WM-8 FOR ADDITIONAL INFORMATION. ACTUAL LOCATION(S) DETERMINED BY CONTRACTOR.
5. EQUIPMENT AND MATERIALS STAGING AREA. ACTUAL LOCATION(S) DETERMINED BY CONTRACTOR.



1 FIBER ROLL BERM DETAIL

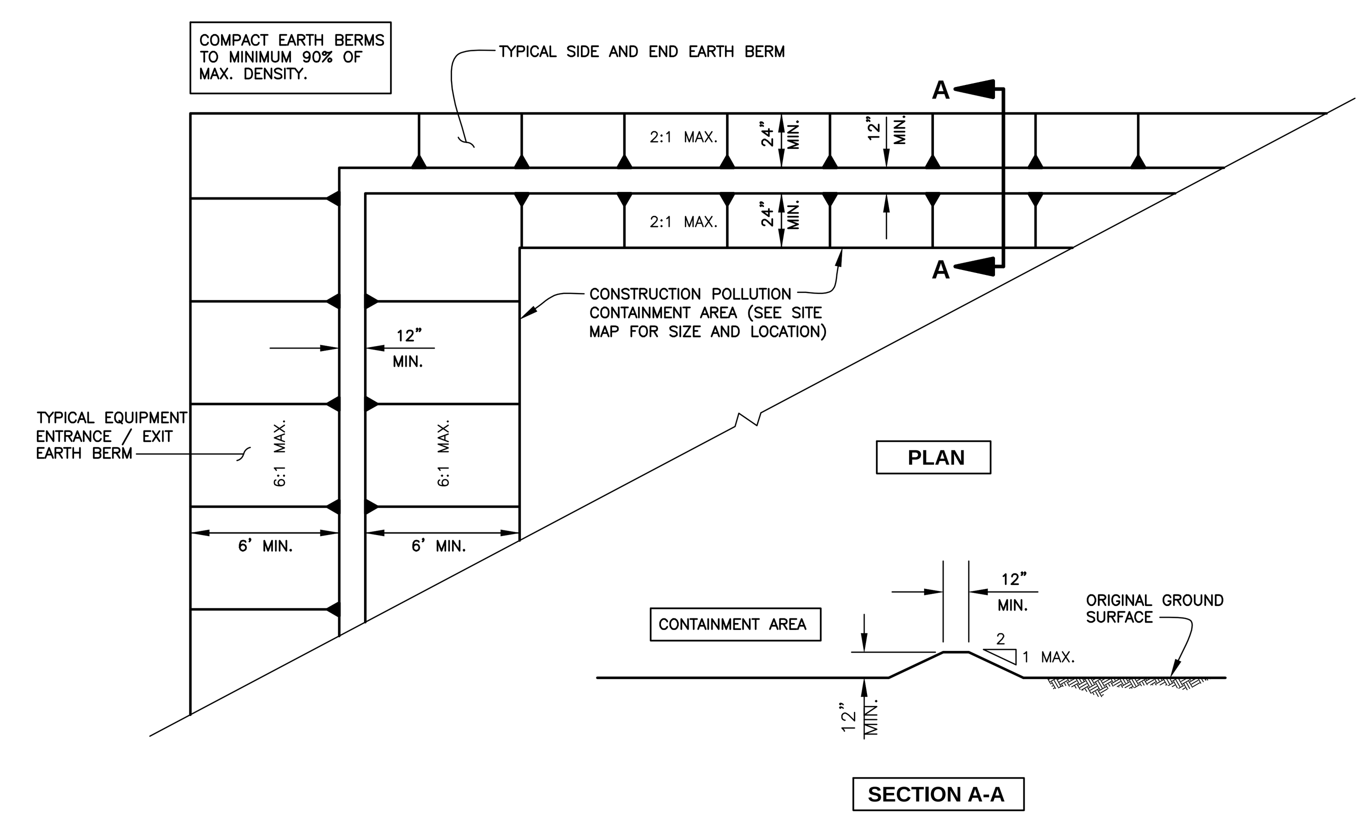
NOT TO SCALE

SILT TRAPS SHALL BE MAINTAINED AND CLEANED BY CONTRACTOR DURING RAINFALL AS NECESSARY TO MAINTAIN INFLOW TO BASIN



2 SILT TRAP AT DRAIN INLET DETAIL

NOT TO SCALE



3 POLLUTION CONTAINMENT AREA EARTH BERM DETAIL

NOT TO SCALE

IMPORTANT NOTICE

ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR IS TO NOTIFY UNDERGROUND SERVICE ALERT TWO WORKING DAYS PRIOR TO STARTING ANY EXCAVATION OR RESURFACING.

CALL TOLL FREE 1-800-422-4133

N

SCALE: 1"=10'
GRAPHIC SCALE
0 10 20 30

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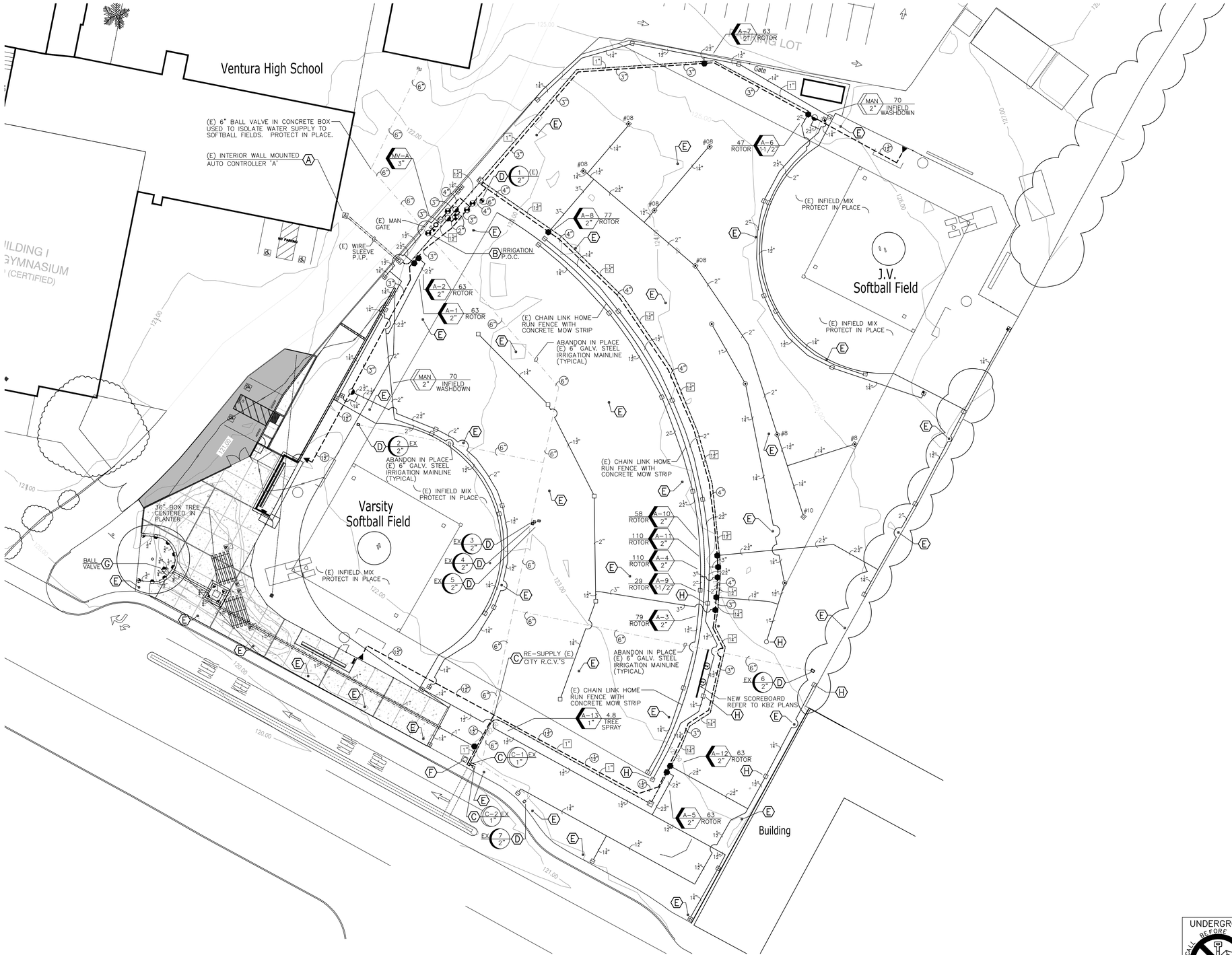
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SHEET TITLE EROSION CONTROL PLAN

SHEET
EC-1



NOTE:
SEE SHEET L101 FOR IRRIGATION LEGENDS AND NOTES.

GRAPHIC SCALE

0 5 10 15 20 40 60

SCALE: 1"=20'

UNDERGROUND SERVICE ALERT

CALL BEFORE YOU DIG

CALL : TOLL FREE 1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

1

Jordan & Bain Landscape Architects, Inc. © 2023
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ENGINEER'S STAMP & SIGNATURE
REGISTERED LANDSCAPE ARCHITECT JONATHAN D. LEE No. 6426 RENEWAL DATE 06-26 DATE 06-18-24 STATE OF CALIFORNIA

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CHECKED JB
DATE 01/12/2024
JOB. NO. 23046

SHEET TITLE IRRIGATION PLAN

SHEET
L-100

IRRIGATION NOTES

1. PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR AND THE V.U.S.D. REPRESENTATIVE SHALL PARTICIPATE IN A THOROUGH IRRIGATION SYSTEM REVIEW OF THE PROJECT SITE. ALL REMOTE CONTROL VALVES SHALL BE TURNED ON AND OBSERVED IN OPERATION BY BOTH THE CONTRACTOR AND V.U.S.D. REPRESENTATIVE. ANY EXISTING DEFECTS WILL BE LISTED IN DETAIL IDENTIFYING THE SPECIFIC VALVE STATION NUMBER AND DESCRIBING THE EXACT BROKEN OR NON FUNCTIONING IRRIGATION COMPONENT NOTED DURING THE SITE REVIEW. AT THE CONCLUSION OF THE IRRIGATION REVIEW, THE CONTRACTOR SHALL GENERATE A SUMMARY OF THE ITEMS IDENTIFIED BY BOTH PARTIES LISTING ALL REMOTE CONTROL VALVES OPERATED, IDENTIFYING IF THE VALVE PERFORMED WITHOUT ANY DEFECTS OR SPECIFICALLY IDENTIFYING ANY OBSERVED DEFECTS OR NON FUNCTIONING COMPONENTS, SUCH AS BROKEN HEADS, CLOGGED NOZZLES, NON OPERATING VALVE SOLENOID, BROKEN PIPING, OR OTHER NOTED DEFECT. THE COMPLETED SUMMARY OF ITEMS NOTED SHALL BE LISTED ON A DOCUMENT CALLED 'EXISTING IRRIGATION SYSTEM OBSERVATIONS'. THIS DOCUMENT SHALL BE SIGNED BY THE CONTRACTOR AND SUBMITTED TO THE V.U.S.D. REPRESENTATIVE FOR A CONFIRMING SIGNATURE. THE MUTUALLY SIGNED 'EXISTING IRRIGATION SYSTEM OBSERVATIONS DOCUMENT' SHALL BE SENT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR INSPECTION PURPOSES PRIOR TO THE CONCLUSION OF THE CONSTRUCTION WORK. IF REQUESTED BY THE V.U.S.D. REPRESENTATIVE, THE CONTRACTOR SHALL PROVIDE A LIST OF THE EXISTING DEFECTIVE IRRIGATION COMPONENTS NOTED WITH A DETAILED WRITTEN PROPOSAL TO REPAIR EACH ITEM IDENTIFIED ON THE LIST. A COPY OF THIS PROPOSAL WILL BE SENT TO THE LANDSCAPE ARCHITECT. THIS ADDITIONAL WORK PROPOSAL MUST BE REVIEWED AND APPROVED IN WRITING BY THE V.U.S.D. AND FORMALLY PRESENTED TO THE GENERAL CONTRACTOR BEFORE THE LANDSCAPE SUB-CONTRACTOR CAN BEGIN ANY ADDITIONAL REPAIR WORK. THE MUTUALLY SIGNED 'EXISTING IRRIGATION SYSTEM OBSERVATION DOCUMENT' SHALL BE USED AS A GUIDE TO IDENTIFY ANY COLLATERAL DAMAGE CAUSED TO THE EXISTING IRRIGATION SYSTEM AS A RESULT OF NEW CONSTRUCTION PERFORMED ON SITE BY THE CONTRACTORS. ANY DAMAGE CAUSED TO THE EXISTING IRRIGATION SYSTEM NOT SPECIFICALLY IDENTIFIED ON THE 'EXISTING IRRIGATION SYSTEM OBSERVATION DOCUMENT' SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THAT THE CONTRACTOR DOES NOT PARTICIPATE OR PERFORM THE EXISTING IRRIGATION SITE REVIEW, ANY EXISTING IRRIGATION EQUIPMENT OR COMPONENTS DAMAGED ON THE PROJECT SITE NOTED BY THE LANDSCAPE ARCHITECT DURING THE FINAL IRRIGATION SYSTEM REVIEW SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE TO THE SATISFACTION OF THE V.U.S.D.

2. CONTACT DIG ALERT AT 1-800-227-2600 TO IDENTIFY AND LOCATE ALL ON-SITE UTILITIES PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL COORDINATE WITH THE VENTURA UNIFIED SCHOOL DISTRICT (V.U.S.D.) REPRESENTATIVE AND REVIEW THE EXISTING SITE PRIOR TO BEGINNING WORK TO AVOID CONFLICTS WITH KNOWN ON-GRADE OR BURIED SITE UTILITIES.

3. PROTECT IN PLACE AND KEEP IN WORKING CONDITION ALL EXISTING IRRIGATION SYSTEMS NOT A PART OF THIS WORK. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING MAINLINE SEGMENT, LATERAL, IRRIGATION CONTROL WIRE, HYDRAULIC TUBING, REMOTE CONTROL VALVE, VALVE BOX, QUICK COUPLER, OR ANY OTHER IRRIGATION SYSTEM COMPONENT DAMAGED DURING THE RENOVATION PROCESS. ADJACENT FUNCTIONING IRRIGATION SYSTEM COMPONENTS MUST BE KEPT IN WORKING CONDITION TO MAINTAIN THE HEALTH AND VIGOR OF THE EXISTING TURF AND LANDSCAPE PLANTINGS. PROLONGED LACK OF WATER TO THESE PLANTERS AS A RESULT OF NEW CONSTRUCTION WORK THAT RESULTS IN THE LOSS OF TURF OR PLANTS SHALL BE REPLACED BY THE CONTRACTOR AT THEIR COST AND TO THE SATISFACTION OF THE S.V.U.S.D.

4. THE IRRIGATION PLAN IS NOT AN ACTUAL 'AS-BUILT' DOCUMENT. THE BURIED IRRIGATION MAINLINE AND LATERAL PIPING HAS BEEN ILLUSTRATED BY THE LANDSCAPE ARCHITECT AS AN APPROXIMATE LAYOUT BASED ON FIELD MEASUREMENTS OF EXISTING VALVE BOX LOCATIONS AND SPRINKLER HEAD LOCATIONS WHICH WERE ACCURATELY SURVEYED INTO PLACE ON THE SITE PLAN. CONTRACTOR IS RESPONSIBLE EXCAVATING AND EXPOSING THE BURIED GALVANIZED IRRIGATION MAINLINE TO DETERMINE IT'S EXACT ORIENTATION PRIOR TO AUGERING HOLES FOR NEW HOME RUN FENCE POSTS. PVC LATERAL PIPES ILLUSTRATED ON THE PLAN ARE ASSUMED LAYOUTS BASED ON SITE OBSERVATIONS OF VALVES IN OPERATION. PIPE SIZING OF EXISTING LATERAL LINES IS UNKNOWN. FIELD VERIFY EXISTING LATERAL PIPING AND SIZING IN THE FIELD IN CONFLICTS OCCUR DURING CONSTRUCTION.

5. THE CONTRACTOR SHALL FIELD VERIFY EXISTING STATIC WATER PRESSURE AND NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING ANY WORK.

6. THE CONTRACTOR SHALL PROTECT IN PLACE AND KEEP IN WORKING CONDITION ALL EXISTING IRRIGATION SYSTEMS NOT A PART OF THIS WORK. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING MAINLINE SEGMENT, LATERAL, IRRIGATION CONTROL WIRE, HYDRAULIC TUBING, REMOTE CONTROL VALVE, VALVE BOX, QUICK COUPLER, OR ANY OTHER IRRIGATION SYSTEM COMPONENT DAMAGED DURING THE RENOVATION PROCESS.

7. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY TRENCH SETTLING OR IRRIGATION HEAD SETTLING. ALL TRENCHES WILL BE BACK FILLED WITH CLEAN SOIL, COMPACTED AND SEEDED WITH SEED MIX AS PER SPECIFICATIONS. ALL HEADS THAT SETTLE WILL BE RAISED TO 1/2" ABOVE FINISH GRADE. PROVIDE ADDITIONAL SOIL AS NECESSARY AND HAND TAMP AROUND HEAD TO PREVENT FUTURE SETTLING. PROVIDE NEW SEED AS NEEDED FOR REPAIR.

8. THE CONTRACTOR SHALL SLEEVE ALL PVC IRRIGATION PIPES AND WIRES INSTALLED UNDER PAVING. REFER TO SLEEVING SCHEDULE PROVIDED ON PLAN.

9. THE IRRIGATION SYSTEM IS SHOWN DIAGRAMMATICALLY. INSTALL ALL IRRIGATION EQUIPMENT WITHIN LANDSCAPE PLANTERS WHENEVER POSSIBLE.

10. ALL SPRINKLER HEADS ON THIS PROJECT ARE SPECIFIED WITH BUILT IN CHECK VALVES. IN THE EVENT OF LOW HEAD DRAINAGE, THE CONTRACTOR SHALL INSTALL INLINE CHECK VALVES IN LATERALS TO ELIMINATE ANY WATER LOSS THROUGH PVC LATERALS.

11. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGE TO THE EXISTING LAWN AREAS DUE TO CONSTRUCTION ACTIVITIES OR LACK OF WATER DUE TO NEW CONSTRUCTION. LOSS OF LAWN AREAS AS A RESULT OF CONTRACTOR'S DELAYED WORK PERFORMANCE OR DAMAGE AS A RESULT OF CONSTRUCTION EQUIPMENT SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

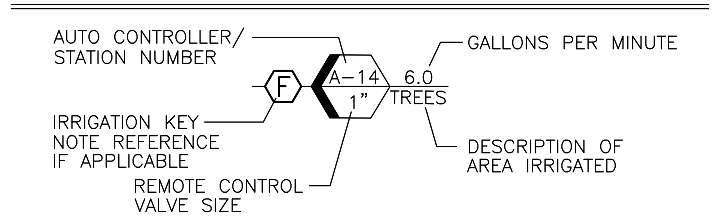
12. THE CONTRACTOR WILL BRAND INTO THE REMOTE CONTROL VALVE BOX LIDS THE NEW VALVE STATION NUMBER FROM NEW AUTO CONTROLLER 'A'. PROVIDE CHRISTY STANDARD SIZE I.D. TAGS CONNECTED TO EACH VALVE SOLENOID WITH NEW STATION NUMBER.

13. ALL 14-GAUGE WIRES INSTALLED FOR CURRENT & FUTURE USE SHALL BE INSTALLED IN CONTINUOUS SCH. 40 PVC ELECTRICAL CONDUITS AND SHALL BE SEPARATE COLORS. COMMON WIRES SHALL BE WHITE, SPARE COMMON SHALL BE ORANGE, AND SPARE CONTROL WIRES SHALL BE RED. ALL REMOTE CONTROL VALVE CONTROL WIRES SHALL BE EITHER A SEPARATE SOLID COLOR OR HAVE INDIVIDUAL COLORED STRIPES ON OUTER JACKET.

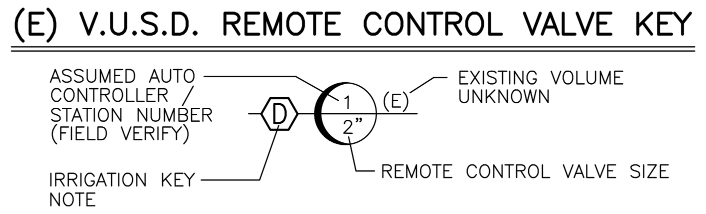
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL PRESSURE REDUCING VALVES TO OBTAIN THE OPERATING PRESSURE AS INDICATED IN THE IRRIGATION LEGEND.

15. THE CONTRACTOR SHALL INSTALL CARSON-BROOKS VALVE BOXES ONLY AS PER VENTURA UNIFIED SCHOOL DISTRICT STANDARDS.

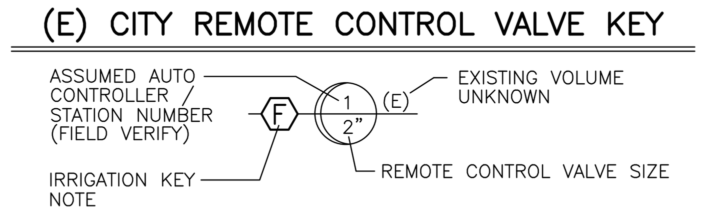
NEW V.U.S.D. REMOTE CONTROL VALVE KEY



(E) V.U.S.D. REMOTE CONTROL VALVE KEY



(E) CITY REMOTE CONTROL VALVE KEY



IRRIGATION SLEEVING SCHEDULE

ALL SLEEVES TO BE INSTALLED 24" BELOW GRADE

MAINLINE OR / LATERAL PIPE SIZE	SLEEVE SIZE REQUIRED
3/4" SCH. 40 PVC	1-1/2" SCH. 40 PVC
1" SCH. 40 PVC	2" SCH. 40 PVC
1-1/4" SCH. 40 PVC	2-1/2" SCH. 40 PVC
1-1/2" SCH. 40 PVC	3" CLASS 200 PVC
2" CLASS 315 / SCH. 40 PVC	4" CLASS 200 PVC
2-1/2" CLASS 315 / SCH. 40 PVC	4" CLASS 200 PVC
3" CLASS 315 / SCH. 40 PVC	6" CLASS 200 PVC
4" CLASS 315 / SCH. 40 PVC	6" CLASS 200 PVC

IRRIGATION WIRE CONDUIT SCHEDULE

ALL CONDUITS TO BE INSTALLED AND SIZED AS PER PLAN.
USE WIRE CONDUIT SCHEDULE ONLY WHEN WIRE CONDUITS
ARE NOT SPECIFICALLY CALLED ON ON IRRIGATION PLAN.

QUANTITY OF 14 GAUGE WIRES	SCH. 40 PVC ELECTRICAL SLEEVE SIZE
1 TO 7 WIRES	1" SCH. 40 PVC GRAY ELECTRICAL
8 TO 15 WIRES	1-1/4" SCH. 40 PVC GRAY ELECTRICAL
16 TO 22 WIRES	1-1/2" SCH. 40 PVC GRAY ELECTRICAL
23 TO 35 WIRES	2" SCH. 40 PVC GRAY ELECTRICAL
36 TO 45 WIRES	2-1/2" SCH. 40 PVC GRAY ELECTRICAL
45 TO 60 WIRES	3" SCH. 40 PVC GRAY ELECTRICAL

IRRIGATION LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	REMARKS	DETAIL / SHEET
	EX. IRRIGATION MAINLINE	JOHNS-MANVILLE	ASBESTOS-CEMENT (TRANSITE)	APPROXIMATELY 18"-24" BELOW FINISH GRADE	N.A.
	SLEEVING	PACIFIC PLASTICS	SCH. 40 PVC / CLASS 200 PVC	24" BELOW FINISH GRADE - PIPE SPECIFICATION AND SIZE AS PER SLEEVING SCHEDULE	1 / L300
	NEW IRRIGATION MAINLINE	PACIFIC PLASTICS	2" SIZE OR GREATER - CLASS 315 PVC	24" BELOW FINISH GRADE - SOLVENT WELD PIPING	1, 2 / L300
	NEW IRRIGATION MAINLINE	PACIFIC PLASTICS	1.5" SIZE OR SMALLER - SCH. 40 PVC	24" BELOW FINISH GRADE - SOLVENT WELD PIPING	1, 2 / L300
	NEW 14 GAUGE WIRES	PAIGE ELECTRIC / EQ.	14 GAUGE WIRE	24" BELOW FINISH GRADE - INDIVIDUAL COLORS TO EACH R.C.V. - IN SCH. 40 PVC CONDUIT	1 / L300
	EXISTING LATERAL	UNKNOWN	SCH. 40 PVC PIPING	12" BELOW FINISH GRADE - VERIFY EXACT DEPTH IN THE FIELD	N.A.
	NEW LATERAL	PACIFIC PLASTICS	SCH. 40 PVC SOLVENT WELD	12" BELOW FINISH GRADE	1 / L300
A	AUTO CONTROLLER	IRRITROL (RAIN MASTER)	EGP8-S-EGP8-OPB-8-EGP-ICENTRAL -RM-ISVC-5Y	16 STATION AUTO CONTROLLER - STAINLESS STEEL FACTORY WALL MOUNT - WITH A TOTAL OF (10) YEARS PRE-PAID INTERNET SERVICE - INTERIOR WALL MOUNT INSIDE EXISTING MAINTENANCE SHACK	11 / L300
	(E) REMOTE CONTROL VALVE	SUPERIOR	950-DW SERIES	REMOVE (E) VALVE ASSEMBLY WITH BOX - SALVAGE AND RETURN VALVES ONLY TO VUSD	N.A.
	GATE VALVE	NIBCO	F-619RW-SON SERIES	DUCTILE IRON EPOXY COATED BODY - FLANGED - LINE SIZE - IN A RECT. VALVE BOX	3 / L300
	QUICK COUPLER	RAIN BIRD	33-DRC	TWO PIECE BRASS CONSTRUCTION, RUBBER COVER, 3/4" SIZE, INSTALLED IN A VALVE BOX	8 / L300
	BALL VALVE	SPEARS	TRU-UNION SERIES	SCH. 80 PVC BODY WITH (2) BUILT IN UNIONS BODY - LINE SIZE - IN RECT. VALVE BOX	9 / L300
	REMOTE CONTROL VALVE	SUPERIOR	950-DW SERIES	SIZES NOTED - INSTALLED IN A RECTANGULAR VALVE BOX AS PER DETAIL	10 / L300
	MASTER VALVE	SUPERIOR	3300200 SERIES	NORMALLY OPEN MASTER VALVE - BRASS BODY - INSTALLED IN JUMBO VALVE BOX	5 / L300
S	FLOW SENSOR	CREATIVE SENSOR TECH.	CST-FSI-T20-001	2" SCH. 40 PVC BODY - SOLVENT WELD - INSTALLED IN A STANDARD RECT. VALVE BOX	6 / L300
P	WIRE PULL / SPLICE BOX	CARSON	1419-12 W/ 6" BOX EXTENSION	1419-12 WITH 6" BOX EXTENSION - GREEN PLASTIC BOLT DOWN LID W/ STAINLESS STEEL BOLT	12 / L300
C	(E) SOLAR CONTROLLER	DIG CORPORATION	LEIT SERIES	STAINLESS STEEL PEDESTAL - PROTECT IN PLACE	N.A.
	PLASTIC FILTER ON MAINLINE	AMIAD	MODEL DFR2000080	2" PLASTIC Y-STRAINER - 80 MESH SCREEN - INSTALLED IN JUMBO VALVE BOX	4 / L300
	LIQUID FERTILIZER DISPENSER	EZ-FLO	MODEL EZ010-HC	10 GALLON CAPACITY PVC LIQUID FERTILIZER TANK WITH CVB-200 (2" SIZE) COUPLING BALL VALVE WITH STAINLESS STEEL BARBED TUBING CONNECTORS TO ATTACH LIQUID SUPPLY TUBES TO MAINLINE. INSTALL COMPLETED ASSEMBLY IN CARSON JUMBO BOX MODEL 24361005 OR APPROVED EQUAL.	7 / L300
	PVC LATERAL BALL VALVE	SPEARS / NIBCO / EQ.	SCH. 40 PVC SOLVENT WELD BODY	3/4" SCH. 40 PVC SOLVENT WELD BODY INSTALLED IN A 10" ROUND GREEN VALVE BOX	5 / L301

Q	T	H	TT	TQ	F	DESCRIPTION	MANUFACTURER	MODEL	REMARKS	PSI	RAD	GPM Q	GPM T	GPM H	GPM TT	GPM TQ	GPM F	DETAIL / SHEET
						POP UP TURF ROTOR	HUNTER	i40-06-SS-10 (LIGHT GREEN NOZZLE)	6" POP UP BODY W/ STAINLESS STEEL RISER	60	50	11.3						2 / L301
						POP UP TURF ROTOR	HUNTER	i40-06-SS-15 (GRAY NOZZLE)	6" POP UP BODY W/ STAINLESS STEEL RISER	60	55	15.7						2 / L301
						POP UP TURF ROTOR	HUNTER	i40-06-SS-15 (GRAY NOZZLE)	6" POP UP BODY W/ STAINLESS STEEL RISER	60	55		15.7					2 / L301
						POP UP TURF ROTOR	HUNTER	i40-06-SS-15 (GRAY NOZZLE)	6" POP UP BODY W/ STAINLESS STEEL RISER	60	55			15.7	15.7	15.7		2 / L301
						POP UP TURF ROTOR	HUNTER	i40-06-SS-15 (GRAY NOZZLE)	6" POP UP BODY W/ STAINLESS STEEL RISER	60	55						15.7	2 / L301
						POP UP TURF ROTOR	HUNTER	i40-06-SS-10 (LIGHT GREEN NOZZLE)	6" POP UP BODY W/ STAINLESS STEEL RISER	60	50						11.3	2 / L301
						POP UP TURF ROTOR	HUNTER	i40-06-SS-8 (LIGHT BROWN NOZZLE)	6" POP UP BODY W/ STAINLESS STEEL RISER	60	46						9.20	2 / L301
						POP UP TURF ROTOR	HUNTER	i20-06-SS-PRB-MPR-35F	PRES. REGULATING 6" POP UP BODY W/ S.S. RISER	45	35						7.58	2 / L301
						POP UP TURF ROTOR	HUNTER	i20-06-SS-PRB-MPR-30-Q, T, H, F	PRES. REGULATING 6" POP UP BODY W/ S.S. RISER	45	30						5.78	2 / L301
						POP UP TURF SPRAY	RAIN BIRD	RD-06-S-P30-F - HE-VAN-8 SERIES	PRES. REG. 6" POP UP BODY W/ FLOW SHIELD	30	8	.29	.44	.59	.74	.88	1.17	1 / L301

PROJECT KEY NOTES

SYMBOL — DESCRIPTION

A (E) AUTO CONTROLLER 'A' WITH (E) 14-GAUGE WIRE SLEEVE UNDER PAVEMENT:
VERIFY THE EXACT LOCATION OF AN (E) 16-STATION RAIN MASTER INTERIOR WALL MOUNTED AUTO CONTROLLER LOCATED IN A MAINTENANCE SHED. DISCONNECT (E) 120 VOLT, 2 AMP POWER SOURCE AND ALL 14-GAUGE SPRINKLER WIRES FROM UNIT. REMOVE AUTO CONTROLLER FROM THE INTERIOR WALL AND RETURN TO THE V.U.S.D REPRESENTATIVE FOR MAINTENANCE USE. INSTALL A NEW 16-STATION WALL MOUNTED AUTO-CONTROLLER ON TO INTERIOR WALL AT THE APPROXIMATE SAME LOCATION. EVALUATE THE CONDITION OF THE (E) 120 VOLT, 2 AMP POWER SUPPLY. MODIFY THE (E) EMT CONDUIT OR REPLACE POWER SUPPLY WIRING AS NEEDED TO PROVIDE ELECTRICAL POWER TO THE NEW AUTO CONTROLLER AS PER CALIFORNIA BUILDING CODE STANDARDS. LOCATE THE EXACT ORIENTATION OF AN (E) PVC WIRE SLEEVE THAT BEGINS WITHIN THE MAINTENANCE SHED AND EXTENDS INTO TO ADJACENT PLAY FIELD GRASS AREA. MODIFY THE (E) PVC SLEEVE AS NEEDED TO RECEIVE NEW IRRIGATION WIRES FROM THE BASE OF THE NEW AUTO CONTROLLER. COMPLETED WORK SHALL COMPLETELY ENCLOSE ALL NEW 14-GAUGE IRRIGATION WIRES WITHIN A CONTINUOUS SCH. 40 PVC SLEEVE. THE EXACT ORIENTATION OF THE (E) SLEEVE AS IT TRAVELS ACROSS THE ASPHALT PAVEMENT TO THE OPEN GRASS FIELD IS NOT KNOWN. TRACE WIRES TO DETERMINE WHERE THE (E) SLEEVE CROSSES INTO THE OPEN GRASS FIELD. EXCAVATE AND EXPOSE THE END OF THE WIRE SLEEVE. CUT WIRES AND PULL THE REMAINING WIRE SEGMENTS OUT OF THE (E) SLEEVE AND DISPOSE OF WIRES OFF SITE. TRENCH AND INSTALL NEW CONTINUOUS SCH. 40 PVC ELECTRICAL WIRE CONDUITS, SIZED AS PER PLAN, WITH SWEEP ELBOWS INTO AND OUT OF ALL REMOTE CONTROL VALVE BOXES AND WIRE PULL BOXES ALONG CONDUIT RUN. INSTALL WIRE PULL BOXES OVER THE END OF THE (E) WIRE SLEEVE AS WELL AS AT ALL LOCATIONS ILLUSTRATED ON PLAN. PULL NEW 14-GAUGE IRRIGATION WIRES ORIGINATING FROM THE NEW AUTO CONTROLLER THROUGH THE (E) WIRE SLEEVE UNDER THE ASPHALT AND THROUGH ALL NEW WIRE CONDUITS TO NEW REMOTE CONTROL VALVE LOCATIONS OR AS INDICATED ON THE PLAN. ALL WIRES SHALL BE 14-GAUGE IN SIZE. COMMON WIRES SHALL BE WHITE IN COLOR. CONTROL WIRES SHALL BE SEPARATE SOLID COLORS OR HAVE UNIQUELY COLORED STRIPES. ALL SPARE WIRES SHALL BE RED IN COLOR. INSTALL A SPARE COMMON WIRE, ORANGE IN COLOR, TO ALL REMOTE CONTROL VALVES ON THIS SYSTEM. USE ONLY 3M MODEL DBR-Y6 WATER PROOF WIRE CONNECTORS FOR ALL WIRE SPLICES WHEN ATTACHING REMOTE CONTROL VALVE SOLENOIDS TO WIRES.

B IRRIGATION POINT OF CONNECTION 'A':
FIELD VERIFY THE EXACT LOCATION OF AN (E) 6" BALL VALVE HOUSED IN A CONCRETE VALVE BOX IN THE ASPHALT PAVEMENT IRRIGATION MAINLINE ISOLATION VALVE LOCATED IN A CONCRETE BOX WITHIN THE PAVED ASPHALT AREA. IT IS UNKNOWN WHERE THE EXACT LOCATION OF THE (E) 6" GALVANIZED STEEL IRRIGATION MAINLINE CONTINUES FROM THE GATE VALVE AND CROSSES INTO THE OPEN GRASS FIELD. POT HOLE TURF AREA UNTIL THE (E) 6" GALVANIZED IRRIGATION MAINLINE IS LOCATED. EXCAVATE AND EXPOSE THE (E) 6" GALVANIZED STEEL MAINLINE SO THAT THE PIPE CAN BE CUT CLEANLY. INSTALL A ROMAC TRANSITION COUPLER TO REDUCE THE IRRIGATION MAINLINE PIPE SIZE FROM 6" GALVANIZED STEEL TO 3" CL. 315 PVC. INSTALL A 4'-0" LONG SEGMENT OF 3" CL. 315 PVC MAINLINE PIPE DOWNSTREAM OF TRANSITION COUPLER. INSTALL A 3" SCH. 80 PVC ELBOW FITTING TO DIRECT POINT OF CONNECTION MANIFOLD NORTH OF THE (E) MAN GATE ENTRANCE. INSTALL A 4'-0" LONG SEGMENT OF 3" CLASS 315 PVC MAINLINE PIPE AND A 3" DUCTILE IRON GATE VALVE TO USE AS AN ISOLATION VALVE. DOWNSTREAM OF THE NEW 3" GATE VALVE, INSTALL A 4'-0" LONG SEGMENT OF 3" CLASS 315 PVC MAINLINE PIPE. REDUCE 3" PVC MAINLINE TO 2" CLASS 315 PVC AND INSTALL A 2" AMIAD HIGH FLOW Y-STRAINER IN A JUMBO PLASTIC VALVE BOX AS PER IRRIGATION DETAIL. INCREASE MAINLINE DOWNSTREAM OF COMPLETED 2" Y-STRAINER BACK TO 3" SIZE MAINLINE PIPE AND INSTALL A 4'-0" LENGTH OF A 3" PVC MAINLINE PIPE. INSTALL A 3" NORMALLY OPEN MASTER VALVE AND A 2" FLOW SENSOR MANIFOLD AS PER IRRIGATION DETAILS. DOWNSTREAM OF COMPLETED 2" FLOW SENSOR ASSEMBLY, INCREASE MAINLINE BACK TO 3" SIZE. INSTALL LIQUID FERTILIZER DISPENSER MANIFOLD AS PER IRRIGATION DETAILS. INCREASE MAINLINE FROM 3" TO 4" CLASS 315 DOWNSTREAM OF COMPLETED LIQUID FERTILIZER DISPENSER ASSEMBLY. TRENCH AND INSTALL REMAINING MAINLINE AND VALVES AS PER IRRIGATION PLAN. PROVIDE CONCRETE THRUST BLOCKS AT ALL MAINLINE FITTINGS AS PER SPECIFICATIONS. CONTRACTOR TO PROVIDE (1) MANUAL OPERATING WRENCH SUITABLE FOR OPENING AND CLOSING THE NEW DUCTILE IRON GATE VALVES IN A STANDING POSITION TO THE V.U.S.D. REPRESENTATIVE.

C TRENCH AND INSTALL NEW 1-1/2" SCH. 40 PVC MAINLINE TO RE-SUPPLY TWO (E) CITY OF VENTURA REMOTE CONTROL VALVES:
FIELD VERIFY THE EXACT LOCATION OF TWO SOLAR POWERED IRRIGATION REMOTE CONTROL VALVES MAINTAINED BY THE CITY OF VENTURA BUT SUPPLIED WITH WATER FROM VENTURA UNIFIED SCHOOL DISTRICT. EXCAVATE AND EXPOSE THE (E) PVC SUPPLY LINE ORIGINATING FROM THE ORIGINAL 6" GALVANIZED MAINLINE PIPE. TRENCH AND INSTALL A NEW 1-1/2" SCH. 40 PVC IRRIGATION SUB-MAINLINE AS PART OF THIS SCOPE OF WORK AND CONNECT TO THE EXISTING PVC SUPPLY LINE DELIVERING WATER TO THESE TWO EXISTING REMOTE CONTROL VALVES. FIELD VERIFY THE EXACT SIZE OF THE EXISTING PVC SUPPLY LINE CONNECTED TO THESE VALVES AND PROVIDE NEW SCH. 80 PVC FITTINGS AND PIPE SEGMENTS AS NEEDED TO COMPLETE THIS CONNECTION. COMPLETED WORK WILL PROTECT THE SOLAR POWERED IRRIGATION REMOTE CONTROL VALVES IN PLACE WITH A NEW 1-1/2" PVC SUB-MAINLINE PROVIDING A CONTINUOUS WATER SUPPLY TO THESE VALVES FROM THE NEW PVC MAINLINE SYSTEM. EXISTING REMOTE CONTROL VALVE 'C-1' OPERATES THE DRIP IRRIGATION SYSTEM IN THE NARROW MEDIAN PLANTER LOCATED ON THE SOUTH SIDE OF THE SCHOOL FENCE BY THE STUDENT DROP OFF DRIVEWAY AREA. EXISTING REMOTE CONTROL VALVE 'C-2' OPERATES THE TREE FLOOD BUBBLERS IN THE SAME NARROW PLANTER.

D REMOVE (E) REMOTE CONTROL VALVES FROM ORIGINAL IRRIGATION SYSTEM:
FIELD VERIFY THE EXACT LOCATIONS OF THE (E) REMOTE CONTROL VALVES IDENTIFIED ON THE IRRIGATION PLAN. THESE (E) REMOTE CONTROL VALVES ARE ALL ATTACHED TO THE (E) GALVANIZED IRRIGATION MAINLINE THAT WILL BE ABANDONED IN PLACE. EXCAVATE AND EXPOSE THE (E) REMOTE CONTROL VALVE ASSEMBLY AND VALVE BOX. CUT AND REMOVE REMOTE CONTROL VALVE FROM GALVANIZED MAINLINE SUPPLY. CUT WIRES AND ABANDON IN PLACE. DISPOSE OF (E) VALVE BOX, REMOTE CONTROL VALVE AND RELATED FITTINGS AND NIPPLES OFF SITE. INFILL REMAINING DEPRESSION WITH CLEAN TOP SOIL AND COMPACT TO BE FLUSH WITH ADJACENT FINISH GRADE. OVER SEED EXPOSED SOIL WITH STOVER 'PRO-SPORTS FIELD' SEED MIX AND COVER WITH AN ORGANIC TOPPER TO EXPEDITE SEED GERMINATION.

E REMOVE AND SALVAGE (E) HUNTER POP UP TURF ROTORS - RETURN TO V.U.S.D. REPRESENTATIVE:
PRIOR TO BEGINNING ANY WORK, OPERATE ALL (E) TURF ROTOR VALVES TO LOCATE THE EXACT LOCATIONS OF ALL (E) POP UP TURF ROTORS. USE MARKING FLAGS TO LOCATE ALL HEADS. EXCAVATE, UNTHREAD ROTOR HEAD BODIES FROM SWING JOINTS, AND SALVAGE ALL (E) POP UP TURF ROTORS. COLLECT ALL SALVAGED ROTORS AND RETURN TO V.U.S.D. REPRESENTATIVE FOR MAINTENANCE PURPOSES.

F PROTECT IN PLACE ONE (E) SOLAR POWERED AUTO CONTROLLER MAINTAINED BY THE CITY OF VENTURA:
FIELD VERIFY THE EXACT LOCATION OF AN (E) LEIT SOLAR POWERED AUTO CONTROLLER INSTALLED ON A GALVANIZED PIPE RISER THAT IS MAINTAINED BY THE CITY OF VENTURA. PROTECT THIS SOLAR POWERED AUTO CONTROLLER IN PLACE.

G INSTALL A 3/4" SCH. 40 PVC BALL VALVE ON LATERAL PIPING TO ISOLATE SPRAY HEADS INSTALLED AROUND EXISTING TREE FOR MAINTENANCE PURPOSES
INSTALL A 3/4" SCH. 40 PVC SOLVENT WELD BALL VALVE ON LATERAL SUPPLY LINE INTO EXISTING TREE PLANTER TO ISOLATE THE NEW POP UP SPRAY HEADS INSTALLED AROUND THE EXISTING CASSIA TREE FROM THE NEW TREE PLANTED IN THE TREE WELL FOR MAINTENANCE PURPOSES. INSTALL BALL VALVE IN A 10" ROUND GREEN COLORED VALVE BOX WITH LOCKING LID.

H INSTALL NEW TURF ROTORS AND ADJUST ROTOR ARC PATTERNS NEAR NEW SOFTBALL FIELD SCOREBOARD TO AVOID DIRECT CONTACT WITH NEW SCOREBOARD ASSEMBLY
ADJUST NEW TURF ROTOR ARC PATTERNS TO PREVENT DIRECT CONTACT WITH NEW SOFTBALL SCOREBOARD ASSEMBLY. ADJUST NEW TURF ROTOR PLACEMENT OR NOZZLE SELECTION AS DIRECTED BY LANDSCAPE ARCHITECT OR VUSD STAFF TO MINIMIZE WATER CONTACT WITH NEW SOFTBALL FIELD SCOREBOARD AND SUPPORT POSTS.

DSA STAMP & SIGNATURE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123899 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/05/2024

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VENTURA HIGH SCHOOL
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REGISTERED LANDSCAPE ARCHITECT JOHN JAMES BAIN III #3193 SIGNATURE 04-26 RENEWAL DATE 06-18-24 DATE STATE OF CALIFORNIA

CONSULTANT INFORMATION

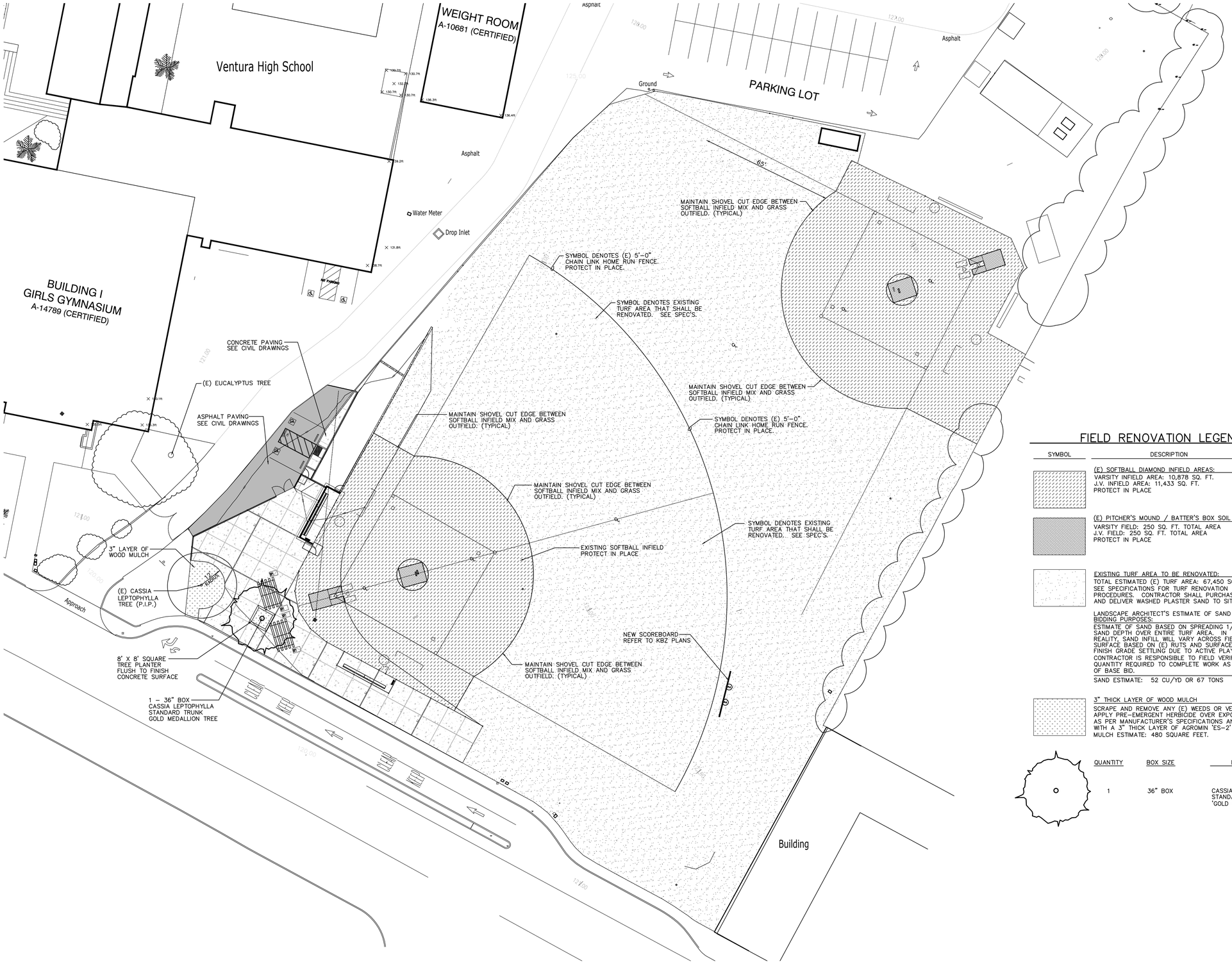
DSA# 03-123899

REVISION DESCRIPTION DATE BY

DRAWN JB
CHECKED JB
DATE 01/12/2024
JOB. NO. 23046

SHEET TITLE LANDSCAPE DETAILS

SHEET
L-101



FIELD RENOVATION LEGEND

SYMBOL	DESCRIPTION
	(E) SOFTBALL DIAMOND INFIELD AREAS: VARSITY INFIELD AREA: 10,878 SQ. FT. J.V. INFIELD AREA: 11,433 SQ. FT. PROTECT IN PLACE
	(E) PITCHER'S MOUND / BATTER'S BOX SOIL MIX VARSITY FIELD: 250 SQ. FT. TOTAL AREA J.V. FIELD: 250 SQ. FT. TOTAL AREA PROTECT IN PLACE
	EXISTING TURF AREA TO BE RENOVATED: TOTAL ESTIMATED (E) TURF AREA: 67,450 SQ. FT. SEE SPECIFICATIONS FOR TURF RENOVATION PROCEDURES. CONTRACTOR SHALL PURCHASE AND DELIVER WASHED PLASTER SAND TO SITE. LANDSCAPE ARCHITECT'S ESTIMATE OF SAND FOR BIDDING PURPOSES: ESTIMATE OF SAND BASED ON SPREADING 1/4" SAND DEPTH OVER ENTIRE TURF AREA. IN REALITY, SAND INFILL WILL VARY ACROSS FIELD SURFACE BASED ON (E) RUTS AND SURFACE FINISH GRADE SETTLING DUE TO ACTIVE PLAY. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY QUANTITY REQUIRED TO COMPLETE WORK AS PART OF BASE BID. SAND ESTIMATE: 52 CU/YD OR 67 TONS
	3" THICK LAYER OF WOOD MULCH SCRAPE AND REMOVE ANY (E) WEEDS OR VEGETATION APPLY PRE-EMERGENT HERBICIDE OVER EXPOSED SOIL AS PER MANUFACTURER'S SPECIFICATIONS AND COVER WITH A 3" THICK LAYER OF AGROMIN 'ES-2' MULCH. MULCH ESTIMATE: 480 SQUARE FEET.

QUANTITY	BOX SIZE	PLANT NAME
1	36" BOX	CASSIA LEPTOPHYLLA STANDARD SINGLE TRUNK 'GOLD MEDALLION TREE'

GRAPHIC SCALE

0 10 20 60
5 15 40

SCALE: 1"=20'

UNDERGROUND SERVICE ALERT

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TWO WORKING DAYS BEFORE YOU DIG

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GIRLS SOFTBALL IMPROVEMENTS

KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA
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JONATHAN D LEE,
PROJECT MANAGER
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No. C-25839
Ren. 06/30/2025
STATE OF CALIFORNIA

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REGISTERED LANDSCAPE ARCHITECT
JOHN JAMES BAIN III
EXPIRATION
06-26
RENEWAL DATE
06-18-24
DATE
STATE OF CALIFORNIA

CONSULTANT INFORMATION

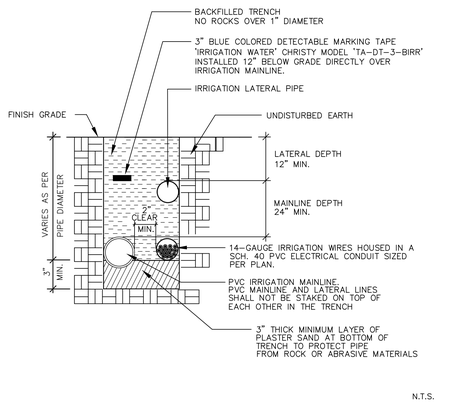
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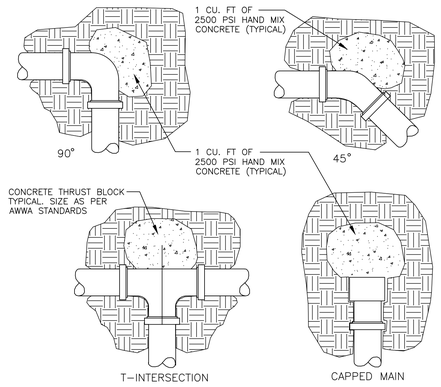
SHEET TITLE TURF RENOVATION PLAN

SHEET
L-200



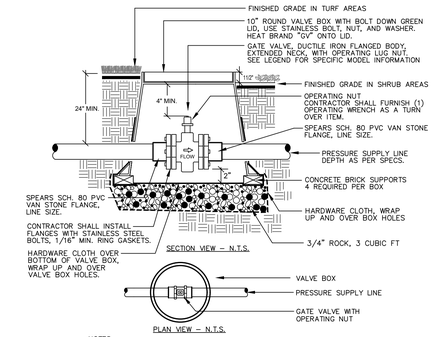
N.T.S.

1 IRRIGATION PIPING AND CONDUIT TRENCH SECTION



N.T.S.

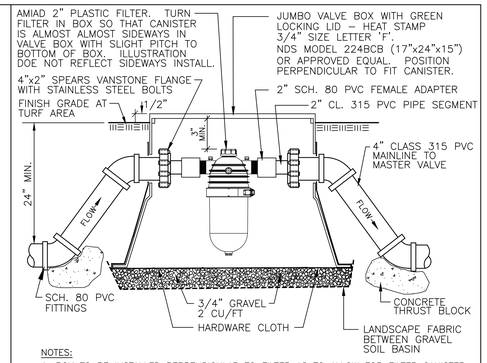
2 CONCRETE THRUST BLOCKS



NOTES:
1. BOX TO BE INSTALLED AS TO ALLOW FOR PROPER OPERATION OF BUTTERFLY VALVE
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED TO ACHIEVE PROPER VALVE INSTALLATION AT MAIN LINE DEPTH.

N.T.S.

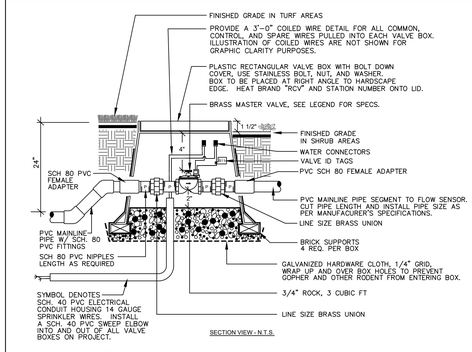
3 DUCTILE IRON GATE VALVE ON 2" MAINLINE SIZE OR LARGER



NOTES:
1. BOX TO BE INSTALLED PERPENDICULAR TO FILTER AS TO ALLOW FOR FILTER CANISTER TO BE INSTALLED SIDEWAYS WITHIN BOX WITH SLIGHT PITCH TO BOTTOM OF BOX.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED TO ACHIEVE PROPER VALVE INSTALLATION AT MAIN LINE DEPTH.
3. HARDWARE CLOTH: GALVANIZED WELDED STEEL, MESH SHAPE SQUARE 1/4" x 1/4" IN SIZE, GAUGE 23 (MINIMUM THICKNESS SIZE).

N.T.S.

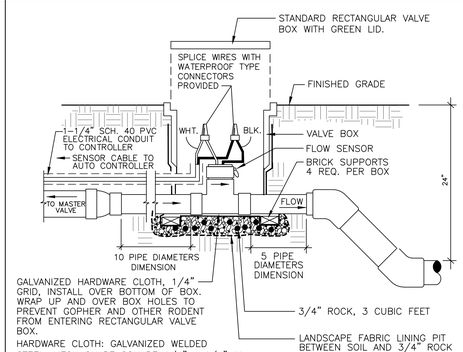
4 2" AMIAD PLASTIC FILTER ON IRRIGATION MAINLINE



NOTES:
1. INSTALL CONTROL VALVES A MINIMUM OF 36" APART WHEN ARRANGED IN MANIFOLDS UNLESS OTHERWISE NOTED.
2. EQUIPMENT SHALL BE INSTALLED SUCH THAT THERE IS NO LEVERAGE OR STRESS ON THE VALVE ASSEMBLY. PIPE SHALL NOT COME INTO CONTACT WITH VALVE BOX.
3. USE A NON-HARDENING TEFLON PIPE SEALANT ON ALL THREADED CONNECTIONS.
4. HARDWARE CLOTH: GALVANIZED WELDED STEEL, MESH SHAPE SQUARE 1/4" x 1/4" IN SIZE, GAUGE 23 (MINIMUM THICKNESS SIZE).

N.T.S.

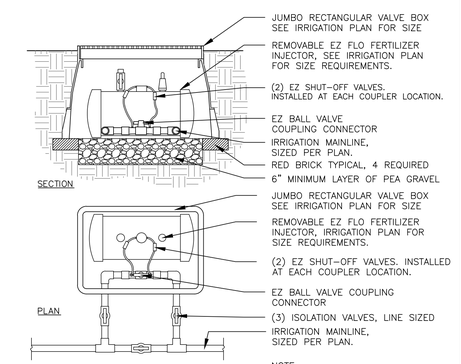
5 NORMALLY OPEN MASTER VALVE



NOTE:
USE RAINBOW TECHNOLOGY 'DUCT SEAL PUTTY' TO PLUG OPEN CONDUIT / WIRES WITHIN VALVE BOX TO PREVENT WATER FROM ENTERING CONDUIT OPENING.

N.T.S.

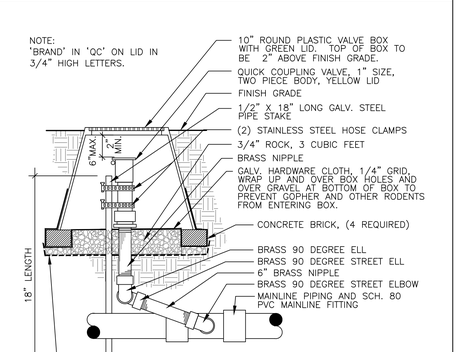
6 FLOW SENSOR



NOTE:
HEAT STAMP OF BRAND ON LID SURFACE THE LETTERS 'FI' WITH ¾" TALL LETTERS.

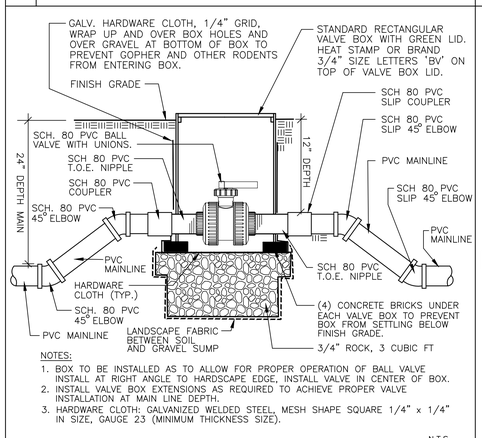
N.T.S.

7 LIQUID FERTILIZER DISPENSER



N.T.S.

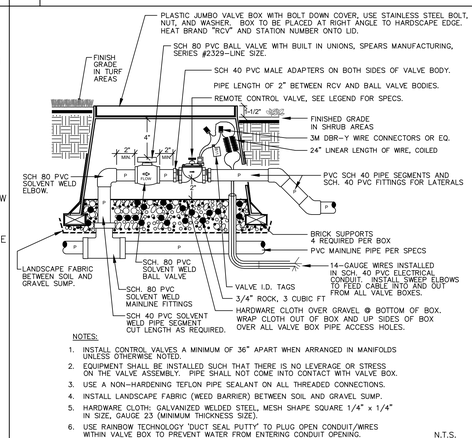
8 QUICK COUPLER



NOTES:
1. BOX TO BE INSTALLED AS TO ALLOW FOR PROPER OPERATION OF BALL VALVE INSTALL AT RIGHT ANGLE TO HARDSCAPE EDGE, INSTALL VALVE IN CENTER OF BOX.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED TO ACHIEVE PROPER VALVE INSTALLATION AT MAIN LINE DEPTH.
3. HARDWARE CLOTH: GALVANIZED WELDED STEEL, MESH SHAPE SQUARE 1/4" x 1/4" IN SIZE, GAUGE 23 (MINIMUM THICKNESS SIZE).

N.T.S.

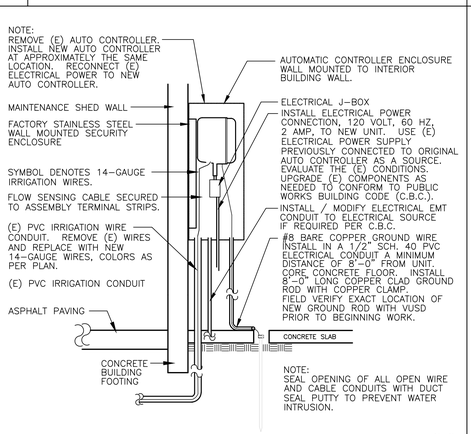
9 SCH. 80 PVC BALL VALVE FOR MANUAL INFIELD WASHDOWN



NOTES:
1. INSTALL CONTROL VALVES A MINIMUM OF 36" APART WHEN ARRANGED IN MANIFOLDS UNLESS OTHERWISE NOTED.
2. EQUIPMENT SHALL BE INSTALLED SUCH THAT THERE IS NO LEVERAGE OR STRESS ON THE VALVE ASSEMBLY. PIPE SHALL NOT COME INTO CONTACT WITH VALVE BOX.
3. USE A NON-HARDENING TEFLON PIPE SEALANT ON ALL THREADED CONNECTIONS.
4. INSTALL LANDSCAPE FABRIC (WEED BARRIER) BETWEEN SOIL AND GRAVEL SUMP.
5. HARDWARE CLOTH: GALVANIZED WELDED STEEL, MESH SHAPE SQUARE 1/4" x 1/4" IN SIZE, GAUGE 23 (MINIMUM THICKNESS SIZE).
6. USE RAINBOW TECHNOLOGY 'DUCT SEAL PUTTY' TO PLUG OPEN CONDUIT/WIRES WITHIN VALVE BOX TO PREVENT WATER FROM ENTERING CONDUIT OPENING.

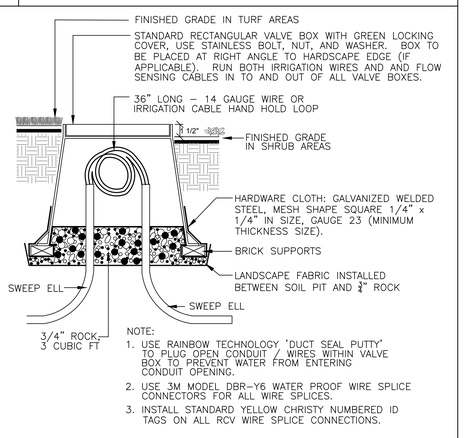
N.T.S.

10 REMOTE CONTROL VALVE ASSEMBLY



N.T.S.

11 INTERIOR WALL MOUNTED AUTO CONTROLLER



NOTE:
1. USE RAINBOW TECHNOLOGY 'DUCT SEAL PUTTY' TO PLUG OPEN CONDUIT / WIRES WITHIN VALVE BOX TO PREVENT WATER FROM ENTERING CONDUIT OPENING.
2. USE 3M MODEL DBR-Y6 WATER PROOF WIRE SPLICE CONNECTORS FOR ALL WIRE SPLICES.
3. INSTALL STANDARD YELLOW CHRISTY NUMBERED ID TAGS ON ALL RCV WIRE SPLICE CONNECTIONS.

12 IRRIGATION WIRE PULL OR SPLICE BOX

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JOHN JAMES BAIN
REGISTERED LANDSCAPE ARCHITECT
04-26
RENEWAL DATE
06-18-24
DATE
STATE OF CALIFORNIA

CONSULTANT INFORMATION

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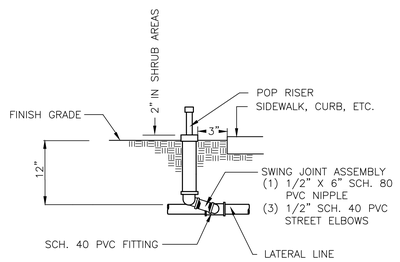
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JOB. NO. 23046

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L-300

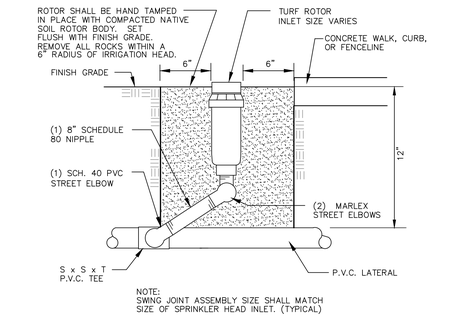
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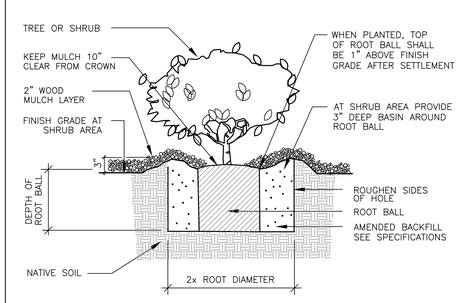
N.T.S.

1	POP UP SPRAY HEAD

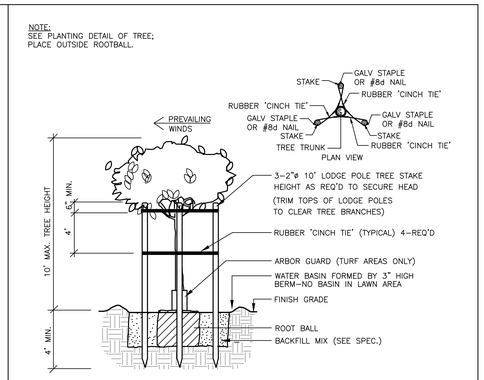


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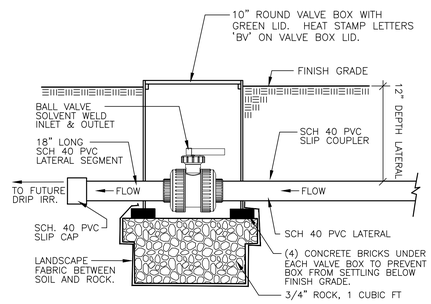
2	POP UP TURF ROTOR



3	TREE PLANTING - 36" BOX



4	TREE STAKING

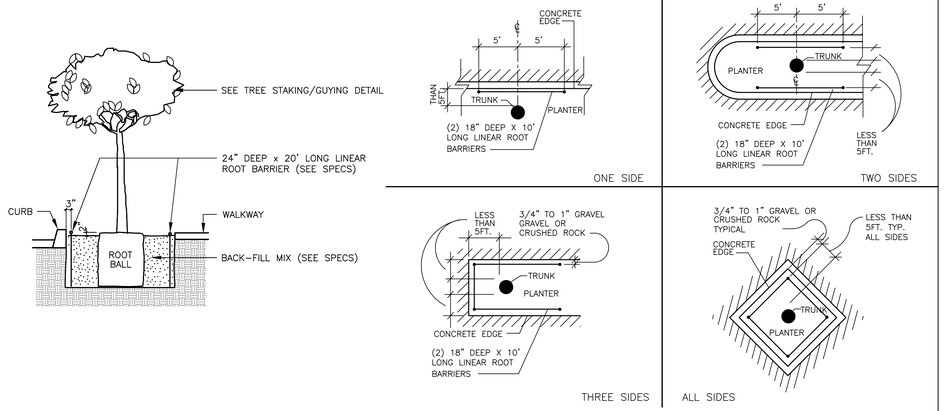


NOTES:

1. BOX TO BE INSTALLED AS TO ALLOW FOR PROPER OPERATION OF BALL VALVE INSTALL AT RIGHT ANGLE TO HARDSCAPE EDGE, INSTALL VALVE IN CENTER OF BOX.

N.T.S.

5	PVC BALL VALVE ON IRRIGATION LATERAL PIPE



6	ROOT BARRIER

7	NOT USED

8	NOT USED

9	NOT USED

10	NOT USED

11	NOT USED

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GIRLS SOFTBALL IMPROVEMENTS

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JONATHAN D LEE, AIA
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REGISTERED LANDSCAPE ARCHITECT JOHN JAMES BAIN III No. 5784 STATE OF CALIFORNIA
SIGNATURE 04-26 RENEWAL DATE 06-18-24 DATE

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L-301

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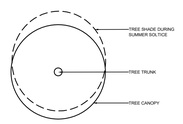
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PHASE 1 PLANTING LEGEND

TREES

SYMBOL	QTY.	SIZE	BOTANICAL NAME/ COMMON NAME	HEIGHT/ SPREAD	DETAIL REF.
	1	36" BOX STANDARD	CASSIA LEPTOPHYLLA STANDARD SINGLE TRUNK 'GOLD MEDALLION TREE'	25' X 30'	16/17-5.1 16/17-5.1



NEW CONCRETE PAVING (6,110 S.F.)

TREE SHADE – AT NEW PLANTING AREA

TREE SHADE – AT NEW CONCRETE PAVING

SHADE COVERAGE CALCULATIONS AS PER CALGREEN CODE 5.106.12
LANDSCAPE AREA

NEW PAVING AREAS	= 6,110 sf
REQUIRED SHADE	= 1,222 sf/20%
SHADE PROVIDED BY TREES	= 1,413
TOTAL SHADE PROVIDED	= 1,413 sf/23.12%

(SHADE MET)

LANDSCAPE AREA = 484 sf
REQUIRED SHADE = 96.8 sf/20%

SHADE PROVIDED BY TREES	= 484 sf/100%
TOTAL SHADE PROVIDED	= 484 sf/100%

(SHADE MET)

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TWO WORKING DAYS BEFORE YOU DIG

GRAPHIC SCALE
0 10 20 60
5 15 40
SCALE: 1"=20'

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SHEET
L-400

DSA

810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate cesign means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy *PL 09-01: Fire Flow for Buildings*.

PROJECT INFORMATION
School District/Owner: Ventura Unified School District
Project Name/School: Girls Softball Improvements at Ventura High School
Project Address: 2 North Catalina St, Ventura, CA 93001

FIRE & LIFE SAFETY INFORMATION				
1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes ☐		No ☑
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☐		No ☑
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? *(If yes, indicate FHSZ classification below.)*	Yes ☑		No ☑
	Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/	Moderate ☑	High ☑	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☑

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	NA	NR
4.	Emergency vehicle access roadways do not meet CFC requirements.			✓	
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.			✓	
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			✓	
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			✓	
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

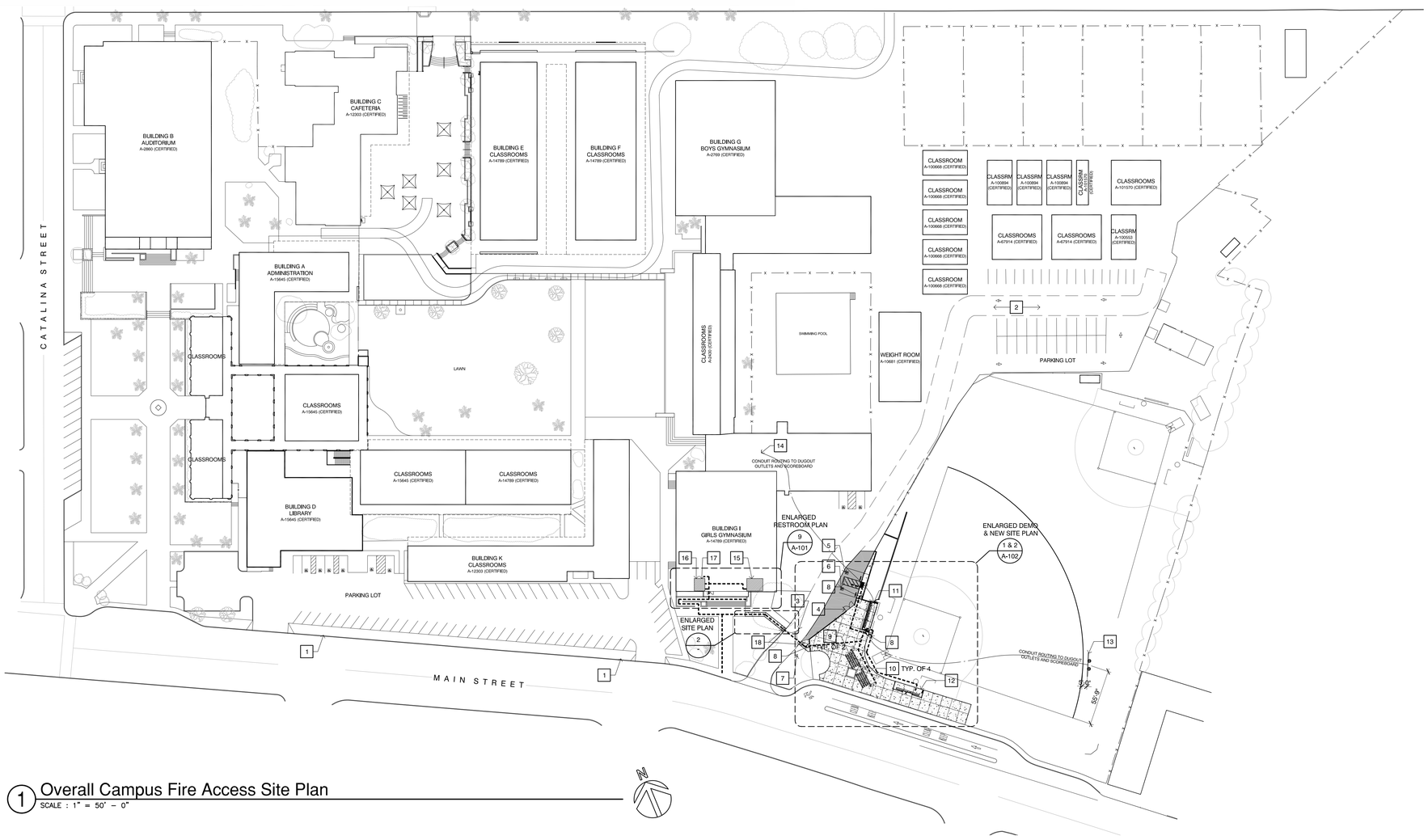
By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: _____ Title: _____

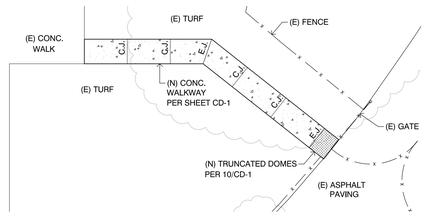
Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name: VENTURA FIRE DEPARTMENT	
LFA Review Official: CHRIS KENNELLY	
Title: FIRE PREVENTION SUPERVISOR	Work Phone: 805-654-7794
Work Email: ckennelly@cityofventura.ca.gov	

LFA Reviewer's Signature: Chris Kennelly Date: 3-29-2024



1 Overall Campus Fire Access Site Plan
SCALE : 1" = 50' - 0"



2 Enlarged Site Plan
SCALE : 1" = 10' - 0"

SITE PLAN KEYNOTES

1. (E) FIRE HYDRANT
2. (E) 20'-0" WIDE FIRE LANE
3. (E) 20'-0" WIDE VEHICULAR GATES
4. (E) 10'-0" WIDE MAINTENANCE GATE
5. VAN ACCESSIBLE PARKING PER 7/CD-1
6. ACCESSIBLE PARKING PER PER 7/CD-1
7. ACCESSIBLE PARKING LOT ENTRANCE SIGN PER DETAIL 1/A-101
8. 3'-6" WIDE PEDESTRIAN GATE PER DETAIL 5&6/A-101
9. BLEACHER, NRS "STANDARD" 5-ROW (MODEL #0515STD_CL), ATTACH BLEACHER TO CONC. FOUNDATION USING (10) 3/8" x 3" STRONG-TIE TITEN HD SCREW ANCHOR MIN. 2" EMBEDMENT
10. ACCESSIBLE SEATING AREA NEXT TO BLEACHERS w/ ADA SYMBOL
11. CMU DUGOUT (NOT A PART OF DSA REVIEW PER IR A-22)
12. CHAIN LINK VISITOR DUGOUT
13. NEVCO SCOREBOARD - OWNER-FURNISHED, CONTRACTOR INSTALLED. GC TO PROVIDE NEW COLUMNS,FOOTINGS, ELECTRICAL DISCONNECT AND POWER FEED. OVEREXCAVATING AND RECOMPACTING PER CIVIL DRAWING
14. (E) ELECTRICAL PANEL 'LP' IN BASEMENT OF POOL EQUIPMENT ROOM - CONNECT CONVENIENCE OUTLETS AND SCOREBOARD POWER
15. (E) GIRLS RESTROOM PER 9/A-101 (A#03-101142 CERTIFIED)
16. (E) BOYS RESTROOM PER 9/A-101 (A#03-101142 CERTIFIED)
17. (E) HI-LO DRINKING FOUNTAIN PER 10/A-101 (A#03-101142 CERTIFIED)
18. TRUNCATED DOMES PER 10/CD-1

GENERAL NOTES

1. PROTECT ALL EXISTING STRUCTURES, UTILITIES & LANDSCAPING DURING CONSTRUCTION.
2. PLANS WERE PREPARED USING AS-BUILT DRAWINGS RECEIVED FROM THE SCHOOL DISTRICT. THE CONTRACTOR SHALL FIELD VERIFY EXISTING ACTUAL CONDITIONS PRIOR TO START OF WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES .

SITE PLAN LEGEND

- (N) ASPHALT PAVING
- (N) CONCRETE PAD
- (E) FIRE TRUCK ACCESS ROUTE
- (E) CHAIN-LINK FENCE
- (N) 8' HIGH CHAIN-LINK FENCE

PATH OF TRAVEL

"ACCESSIBLE" PATH OF TRAVEL (P.O.T.)

PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS IS AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX. SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4"VERTICAL AND IS AT LEAST 48 INCHES WIDE, SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE NOTED. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80", ARCHITECT TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT.

PATH OF TRAVEL (POT) AS VERIFIED BY ARCHITECT IS:

- A COMMON BARRIER FREE ACCESSIBLE ROUTE AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4"VERTICAL.
- THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH.
- PASSING SPACES AT LEAST 60" X 60" ARE LOCATED NOT MORE THAN 200' APART.
- CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART.
- CROSS-SLOPE DOES NOT EXCEED 2%.
- SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED AS A RAMP.
- MAINTAIN POT FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL OR EDGE AND 27" ABOVE FINISH GRADE.

FOR GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAYS AT PATH OF TRAVEL, GRID/OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" MAX. IN THE DIRECTION OF TRAFFIC FLOW. IF SUCH CONDITION OCCURS, PROVIDE MANUFACTURER CUTSHEETS OF GRATE PROVIDED.

GATES SERVING THE MEANS OF EGRESS SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 1008. GATES USED AS A COMPONENT IN A MEANS OF EGRESS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS FOR DOORS. PROVIDE LEVER HARDWARE AND KICKPLATE. FIRE AND LIFE SAFETY MAY REQUIRE PANIC HARDWARE FOR EMERGENCY EXITING EVEN WITH THE SIGN. COORDINATE WITH FIRE AND LIFE SAFETY REQUIREMENTS.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT
THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE 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 NON COMPLIANT
1. HAVE BEEN IDENTIFIED
2. THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.
DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

DSA STAMP & SIGNATURE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123899 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/05/2024

VENTURA UNIFIED SCHOOL DISTRICT
VENTURA HIGH SCHOOL
2 NORTH CATALINA STREET, VENTURA, CA 93001
GIRLS SOFTBALL IMPROVEMENTS

KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA
199 RIGUEROA ST, SUITE 100A VENTURA CA 93001
TELEPHONE (805) 650-1033 WWW.KBZARCH.COM

TODD A JESPERSEN, AIA
PRINCIPAL-in-CHARGE

JONATHAN D LEE, AIA
PROJECT MANAGER

All ideas, design arrangements and plans indicated or represented by this drawing are owned by and are the property of Kruger-Bensen+Ziemer, AIA architects, and were created, evolved and developed for use on, and in connection with, the specified projects. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm or corporation for any purpose whatsoever without the written permission of Kruger-Bensen+Ziemer.

ARCHITECT'S STAMP & SIGNATURE

LICENSED ARCHITECT TODD A. JESPERSEN No. C-25839 Exp. 08/30/2025 STATE OF CALIFORNIA

ENGINEER'S STAMP & SIGNATURE

CONSULTANT INFORMATION

REVISION	DESCRIPTION	DATE	BY
5	-	-/-/-	XX
4	-	-/-/-	XX
3	-	-/-/-	XX
2	-	-/-/-	XX
1	-	-/-/-	XX

DRAWN JL
CHECKED TJ
DATE 01/12/2024
JOB. NO. 23046

SHEET TITLE: OVERALL CAMPUS FIRE ACCESS SITE PLAN

SHEET
A-100

A. RAISED CHARACTERS PER CBC 11B-703.2

1. DEPTH: RAISED CHARACTERS SHALL BE 1/32" MIN ABOVE THEIR BACKGROUND.
2. CASE: CHARACTERS SHALL BE UPPERCASE.
3. STYLE: CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.
4. CHARACTER PROPORTIONS: CHARACTERS SHALL BE SELECTED FROM FONTS WHERE WIDTH OF UPPERCASE LETTER "O" IS 60% MIN & 110% MAX OF HEIGHT OF UPPERCASE LETTER "I".
5. CHARACTER HEIGHT: CHARACTER HEIGHT MEASURED VERTICALLY FROM BASELINE OF CHARACTER SHALL BE 5/8" MIN & 2" MAX BASED ON HEIGHT OF UPPERCASE LETTER "I".
6. STROKE THICKNESS: STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAX OF THE HEIGHT OF THE CHARACTER.
7. CHARACTER SPACING: CHARACTER SPACING SHALL BE MEASURED BETWEEN TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8" MIN & 4 TIMES RAISED CHARACTER STROKE WIDTH MAX. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16" MIN & 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX AT BASE OF CROSS SECTIONS, & 1/8" MIN & 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX AT TOP OF CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS & DECORATIVE ELEMENTS BY 3/8" MIN.
8. LINE SPACING: SPACING BETWEEN BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135% MIN & 170% MAX OF RAISED CHARACTER HEIGHT.
9. FORMAT: TEXT SHALL BE IN HORIZONTAL FORMAT.
10. FINISH & CONTRAST: CHARACTERS & THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST w/ THEIR BACKGROUND (EITHER LIGHT CHARACTERS ON DARK BACKGROUND OR DARK CHARACTERS ON LIGHT BACKGROUND).

B. BRAILLE: CONTRACTED (GRADE 2) PER CBC 11B-703.3 & 11B-703.4

1. DIMENSIONS & CAPITALIZATION: BRAILLE DOTS SHALL HAVE DOMED OR ROUNDED SHAPE & SHALL COMPLY w/ TABLE 11B-703.3.1. INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE FIRST WORD OF SENTENCES, PROPER NOUNS & NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, & ACRONYMS.
2. POSITION: BRAILLE SHALL BE POSITIONED BELOW CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8" MIN & 1/2" MAX FROM ANY OTHER TACTILE CHARACTERS & 3/8" MIN FROM RAISED BORDERS & DECORATIVE ELEMENTS. EXCEPTION: BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED BY 3/16" MIN & SHALL BE LOCATED DIRECTLY BELOW CORRESPONDING RAISED CHARACTERS OR SYMBOLS.

C. VISUAL CHARACTERS PER CBC 11B-703.5

1. FINISH & CONTRAST: CHARACTERS & THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST w/ THEIR BACKGROUND w/ EITHER LIGHT CHARACTERS ON DARK BACKGROUND OR DARK CHARACTERS ON LIGHT BACKGROUND.
2. CASE: CHARACTERS SHALL BE UPPERCASE OR LOWERCASE, OR A COMBINATION.
3. STYLE: CHARACTERS SHALL BE CONVENTIONAL IN FORM. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.
4. CHARACTER PROPORTIONS: CHARACTERS SHALL BE SELECTED FROM FONTS WHERE WIDTH OF UPPERCASE LETTER "O" IS 60% MIN & 110% MAX OF HEIGHT OF UPPERCASE LETTER "I".
5. CHARACTER HEIGHT: MINIMUM CHARACTER HEIGHT SHALL COMPLY w/ CBC TABLE 11B-703.5.5. VIEWING DISTANCE SHALL BE MEASURED AS HORIZONTAL DISTANCE BETWEEN CHARACTER & OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS SIGN. CHARACTER HEIGHT SHALL BE BASED ON HEIGHT OF UPPERCASE LETTER "I".
6. HEIGHT FROM FINISH FLOOR OR GROUND: 40" MIN PER 11B-703.5.6 EXCEPT AS NOTED.
7. STROKE THICKNESS: STROKE THICKNESS OF UPPERCASE LETTER "I" SHALL BE 10% MIN & 20% MAX OF HEIGHT OF CHARACTER.
7. CHARACTER SPACING: SHALL BE MEASURED BETWEEN TWO CLOSEST POINTS OF ADJACENT CHARACTERS, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 10% MIN & 35% MAX OF CHARACTER HEIGHT.
8. LINE SPACING: SPACING BETWEEN BASELINES OF SEPARATE LINES OF CHARACTERS w/IN A MESSAGE SHALL BE 135% MIN & 170% MAX OF CHARACTER HEIGHT.
9. FORMAT: TEXT SHALL BE IN HORIZONTAL FORMAT.

D. GEOMETRIC SYMBOLS AT RESTROOM & TOILET ROOM DOORS

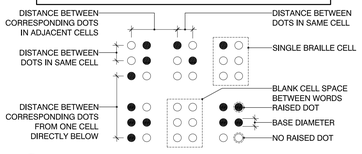
1. ALL GEOMETRIC SYMBOLS: EDGES SHALL BE EASED OR ROUNDED AT 1/16" MIN OR CHAMFERED AT 1/2" MAX. VERTICES SHALL BE RADIUSED BETWEEN 1/8" MIN & 1/2" MAX PER CBC 11B-703.7.2.6.4.
2. BOYS OR GIRLS: SYMBOL SHALL BE 1/4" THICK & COLOR SHALL CONTRAST w/ DOOR COLOR, EITHER LIGHT ON DARK BACKGROUND OR DARK ON LIGHT BACKGROUND, PER CBC 11B-703.7.2.6.1 & 11B-703.7.2.6.2.
3. GENDER NEUTRAL: TRIANGLE SYMBOL SHALL BE 1/4" THICK & SUPERIMPOSED ON A 1/4" THICK, 12" DIAMETER CIRCLE SYMBOL. VERTICES OF TRIANGLE SHALL BE LOCATED 1/4" MAX FROM CIRCLE'S EDGE w/ ONE POINTING UPWARD. COLOR OF CIRCLE SYMBOL SHALL CONTRAST w/ BOTH DOOR & TRIANGLE SYMBOL, EITHER LIGHT ON DARK BACKGROUND OR DARK ON LIGHT BACKGROUND. IF ISA IS LOCATED ON GEOMETRIC SYMBOL, COLOR OF ISA SHALL CONTRAST w/ SYMBOL ON WHICH IT OCCURS.

E. TYPICAL SIGN COLORS

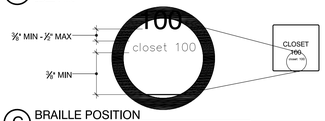
SIGN BACKGROUND (FIELD) COLOR SC1: COLOR TBD (MUST CONTRAST w/ SC2)
SIGN TEXT / SYMBOL COLOR SC2: COLOR TBD (MUST CONTRAST w/ SC1)

A SIGNAGE GENERAL NOTES
SCALE : NTS

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 to 0.063
DISTANCE BETWEEN TWO DOTS IN SAME CELL*	0.100
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS*	0.300
DOT HEIGHT	0.025 to 0.037
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW*	0.395 to 0.400
*MEASURED CENTER TO CENTER	

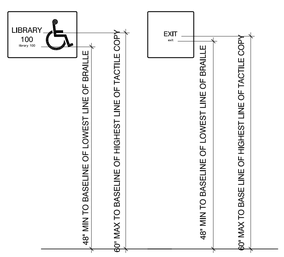


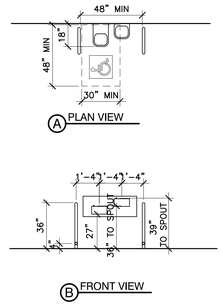
B BRAILLE DIMENSIONS & MEASUREMENT
SCALE : NTS



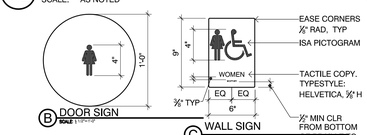
C BRAILLE POSITION
SCALE : NTS

G1 Signage General Notes & Templates
SCALE : NONE



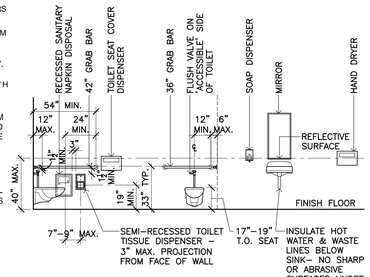


G2 Typ Mounting Height Requirements
SCALE: AS NOTED

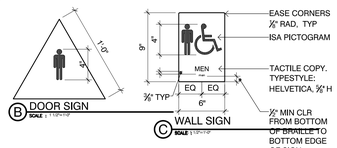


NOTES:
1. SEE DETAIL G1 FOR GENERAL NOTES & TEMPLATES
2. SEE DETAIL G2 FOR MOUNTING HEIGHT REQUIREMENTS

10 (E) Hi-Lo Drinking Fountain
SCALE: 1/4" = 1'-0"



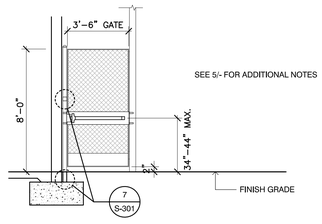
S1 Women/Girls Restroom Signage
SCALE: AS NOTED



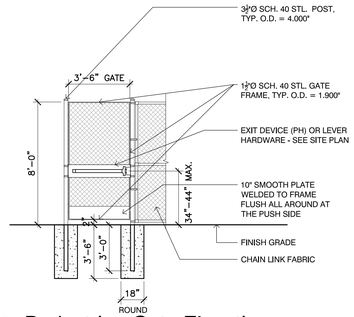
NOTES:
1. SEE DETAIL G1 FOR GENERAL NOTES & TEMPLATES
2. SEE DETAIL G2 FOR MOUNTING HEIGHT REQUIREMENTS

11 Typ. Accessible Mounting Heights
SCALE : 1/4" = 1'-0"

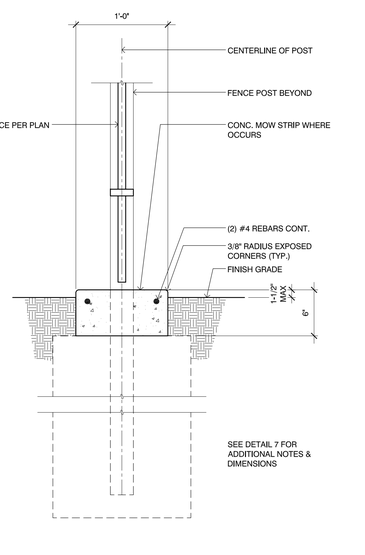
6 Pedestrian Gate Elevation
SCALE : 1/4" = 1'-0"



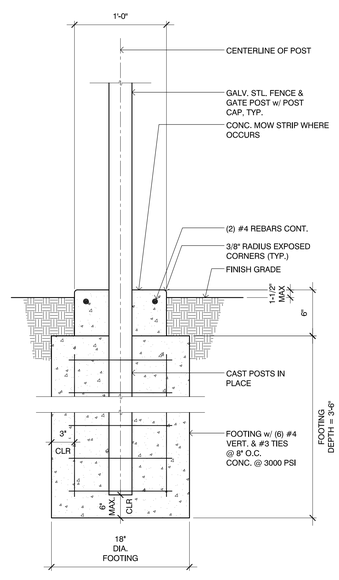
5 Pedestrian Gate Elevation
SCALE : 1/4" = 1'-0"



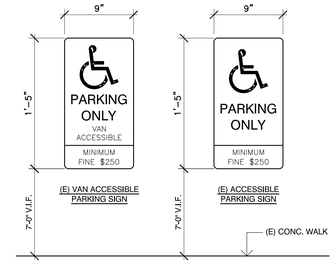
8 Typ. Fence Between Posts
SCALE: 1-1/2" = 1'-0"



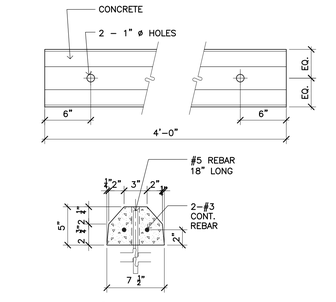
7 Typ. Fence Post Footing
SCALE: 1-1/2" = 1'-0"



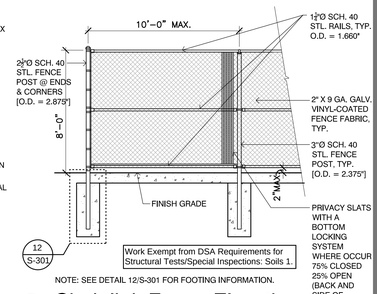
1 Accessible Parking Lot Entrance Sign
SCALE : 3/4" = 1'-0"



2 Accessible Parking Signage
SCALE: 1-1/2" = 1'-0"



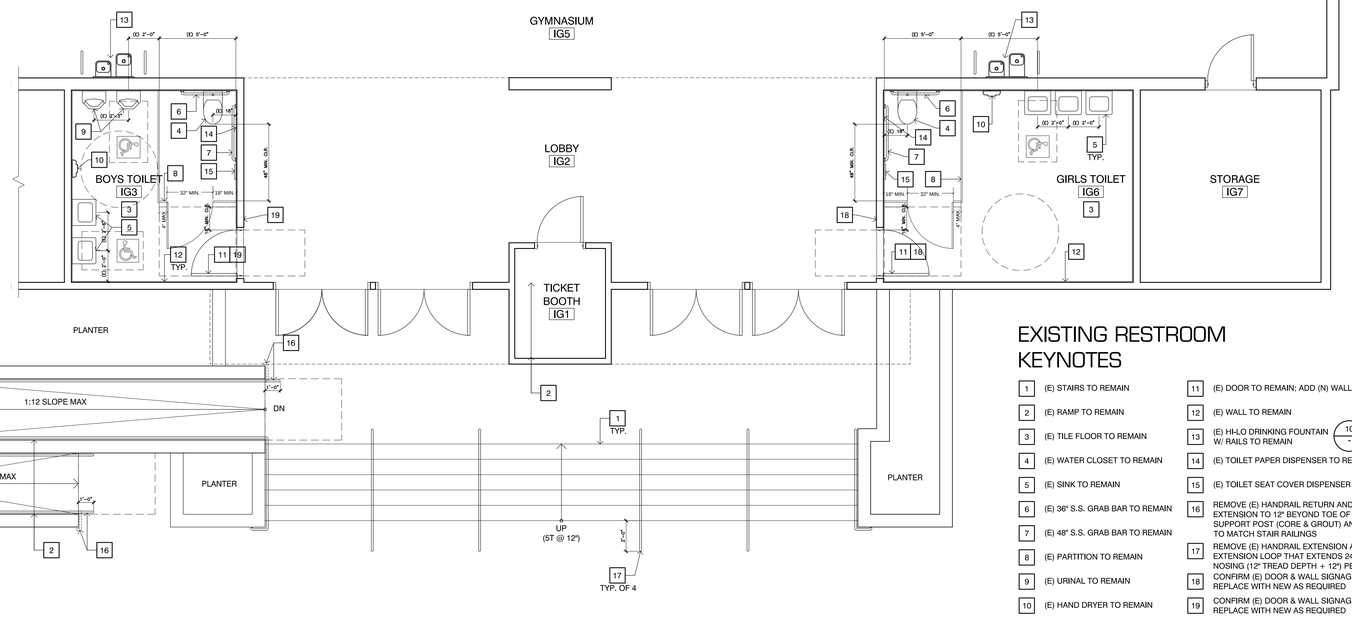
3 Wheel Stop
SCALE: 1-1/2" = 1'-0"



NOTE: SEE DETAIL 12/S-301 FOR FOOTING INFORMATION.

4 Chainlink Fence Elevation
SCALE : 1/4" = 1'-0"

S2 Men/Boys Restroom Signage
SCALE: AS NOTED



9 Existing Restroom Plan
SCALE : 1/4" = 1'-0"

EXISTING RESTROOM KEYNOTES

1. (E) STAIRS TO REMAIN
2. (E) RAMP TO REMAIN
3. (E) TILE FLOOR TO REMAIN
4. (E) WATER CLOSET TO REMAIN
5. (E) SINK TO REMAIN
6. (E) 36" S.S. GRAB BAR TO REMAIN
7. (E) 48" S.S. GRAB BAR TO REMAIN
8. (E) PARTITION TO REMAIN
9. (E) URINAL TO REMAIN
10. (E) HAND DRYER TO REMAIN
11. (E) DOOR TO REMAIN; ADD (N) WALL AND DOOR SIGNAGE PER X/XX
12. (E) WALL TO REMAIN
13. (E) HI-LO DRINKING FOUNTAIN W/ RAILS TO REMAIN (10)
14. (E) TOILET PAPER DISPENSER TO REMAIN
15. (E) TOILET SEAT COVER DISPENSER TO REMAIN
16. REMOVE (E) HANDRAIL RETURN AND WELD ON HANDRAIL EXTENSION TO 12" BEYOND TOE OF RAMP, INCLUDE VERTICAL SUPPORT POST (CORE & GROUT) AND LOOPED HANDRAIL RETURN TO MATCH STAIR RAILINGS
17. REMOVE (E) HANDRAIL EXTENSION AND INSTALL NEW HORIZONTAL EXTENSION LOOP THAT EXTENDS 24" MIN. BEYOND BOTTOM NOSING (12" TREAD DEPTH + 12") PER CBC 11B-505.10.3
18. CONFIRM (E) DOOR & WALL SIGNAGE CONFORMS TO DETAIL S1; REPLACE WITH NEW AS REQUIRED
19. CONFIRM (E) DOOR & WALL SIGNAGE CONFORMS TO DETAIL S2; REPLACE WITH NEW AS REQUIRED

N

DSA STAMP & SIGNATURE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123899 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/05/2024

VENTURA UNIFIED SCHOOL DISTRICT
VENTURA HIGH SCHOOL
2 NORTH CATALINA STREET, VENTURA, CA 93001
GIRLS SOFTBALL IMPROVEMENTS

KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA
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TODD A JESPERSEN, AIA
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JONATHAN D LEE, AIA
PROJECT MANAGER

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3	-	-/-/-	XX
2	-	-/-/-	XX
1	-	-/-/-	XX
REVISION	DESCRIPTION	DATE	BY

DRAWN JL
CHECKED TJ
DATE 01/12/2024
JOB. NO. 23046

SHEET TITLE: SITE DETAILS

SHEET: A-101



1 Enlarged Demo Site Plan

SCALE : 1" = 10' – 0"

DEMO PLAN KEYNOTES

1. (E) CHAIN-LINK FENCE TO REMAIN
2. DEMO (E) CONC. CURB
3. DEMO (E) CHAIN-LINK FENCE & POSTS
4. DEMO (E) DUGOUT CMU WALLS AND FOOTINGS
5. DEMO (E) BLEACHER
6. (E) GATE TO REMAIN
7. REMOVE (E) GATE

GENERAL NOTES

1. PROTECT ALL EXISTING STRUCTURES, UTILITIES & LANDSCAPING DURING CONSTRUCTION.
2. PLANS WERE PREPARED USING AS-BUILT DRAWINGS RECEIVED FROM THE SCHOOL DISTRICT. THE CONTRACTOR SHALL FIELD VERIFY EXISTING ACTUAL CONDITIONS PRIOR TO START OF WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES .



2 Enlarged New Site Plan

SCALE : 1" = 10' – 0"

NEW PLAN KEYNOTES

1. 6" CONC. MOW STRIP UNDER (E) FENCE PER DETAIL 6/CD-1
2. 3'-6" WIDE PEDESTRIAN GATE PER DETAIL 5&6/A-101
3. OWNER-PROVIDED. CONTRACTOR INSTALLED BLEACHER UNIT, NRS "STANDARD" 5-ROW (MODEL #0515STD_CL). ATTACH BLEACHER TO CONC. FOUNDATION USING (10) 3/8" x 3" STRONG-TIE STAINLESS-STEEL TITEN HD SCREW ANCHOR MIN. 2" EMBEDMENT.
   NOTE: NOT PART OF DSA STRUCTURAL REVIEW= DSA IR-A 22 ITEM #8
4. ACCESSIBLE SEATING AREA NEXT TO BLEACHERS w/ PAINTED RECTANGLE AND ACCESSIBILITY SYMBOL
5. CMU HOME DUGOUT. REFER TO SHEET A-201.
6. DUPLEX POWER OUTLET (GFI) IN W.P. SURFACE MOUNT BOX
7. SINGLE TIER ALUMINUM BENCH WITH BACKREST (SPORTSFIELD SPECIALTIES ATBBRSP)
8. STAND ALONE BAT RACK
9. CHAIN LINK VISITOR DUGOUT WITH PRIVACY SLATS PER DETAIL 4/A-101
10. WALL-MOUNTED HELMET CUBBY ABOVE BENCH
11. (E) MAINTENANCE GATES - RELOCATE AS SHOWN, SET (N) POSTS AS REQUIRED
12. 48" CONCRETE WHEELSTOP DETAIL 3/A-101
13. VAN ACCESSIBLE PARKING SIGNAGE PER DETAIL 2/A-101
14. ACCESSIBLE PARKING SIGNAGE PER DETAIL 2/A-101
15. TRUNCATED DOMES PER DETAIL 10/CD-1
16. 8' HIGH CHAIN-LINK FENCE PER DETAIL 4/A-101

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SITE PLAN LEGEND

- (N) CONCRETE PAD
- (N) ASPHALT PAVING
- (E) CHAIN-LINK FENCE
- (N) 8' HIGH CHAIN-LINK FENCE

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VENTURA UNIFIED SCHOOL DISTRICT
VENTURA HIGH SCHOOL
2 NORTH CATALINA STREET, VENTURA, CA 93001
GIRLS SOFTBALL IMPROVEMENTS

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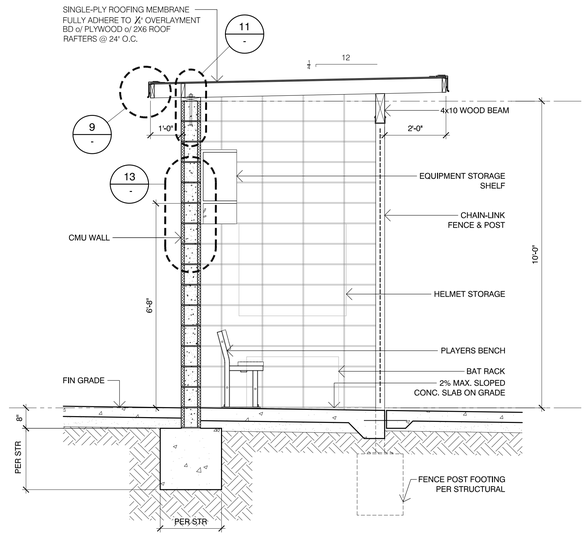
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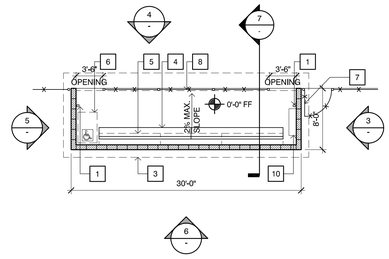
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SHEET TITLE ENLARGED SITE PLANS

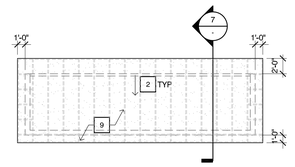
SHEET
A-102



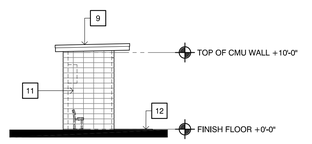
7 Dugout Section
SCALE: 1/2"=1'-0"



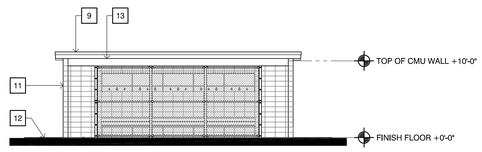
1 Dugout Floor Plan
SCALE: 1/8"=1'-0"



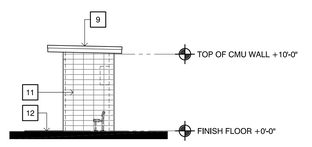
2 Dugout Roof Plan
SCALE: 1/8"=1'-0"



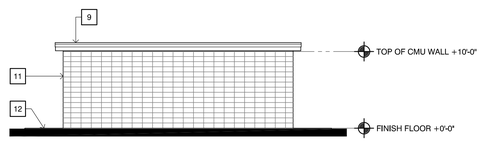
3 East Elevation
SCALE: 1/8"=1'-0"



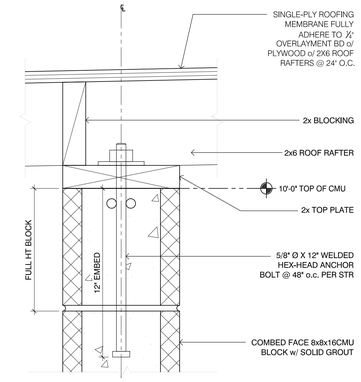
4 North Elevation
SCALE: 1/8"=1'-0"



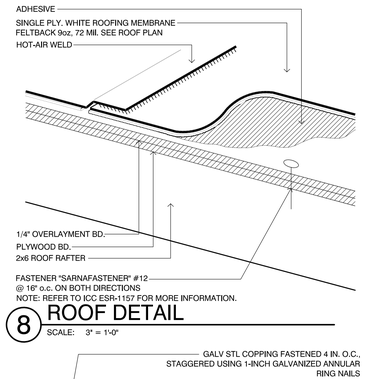
5 West Elevation
SCALE: 1/8"=1'-0"



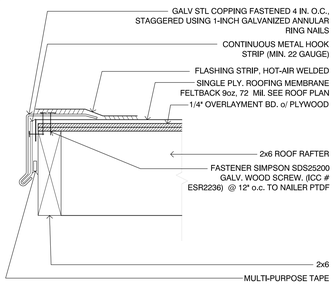
6 South Elevation
SCALE: 1/8"=1'-0"



11 HEAD OF WALL DETAIL
SCALE: 3" = 1'-0"

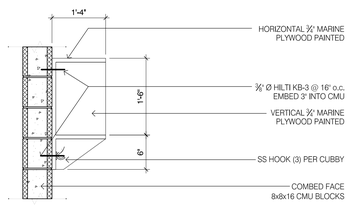


8 ROOF DETAIL
SCALE: 3" = 1'-0"

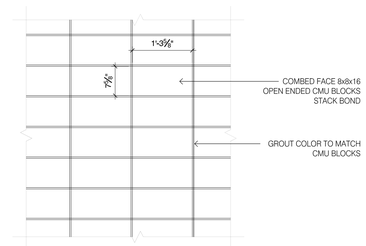


12 NOT USED
SCALE: 3/4" = 1'-0"

9 ROOF EDGE DETAIL
SCALE: 3" = 1'-0"



13 EQUIPMENT STORAGE SHELF
SCALE: 3/4" = 1'-0"



10 CMU BLOCK PATTERN
SCALE: N.T.S.

KEYNOTES

1	W.P. DUPLEX OUTLET w/ LOCKING COVER
2	ROOF SLOPE ¼" / ft PER CBC 1506.1
3	ROOF OVERHANG TYP.
4	SPORTSFIELD SPECIALTIES SINGLE-TIER ALUMINUM TEAM BENCH WITH BACKREST (ATBBRSP)
5	STORAGE SHELF PER 13
6	ACCESSIBLE WHEELCHAIR AREA 33"x48"
7	3'-6" WIDE ACCESS GATE 6 A-101 / 4 A-101
8	CHAIN-LINK FENCE & POSTS
9	SINGLE-PLY ROOFING MEMBRANE FULLY ADHERE TO ½" OVERLAYMENT BD o/ PLYWOOD o/ 2X6 ROOF RAFTERS @ 24" O.C. PER 8
10	HELMET STORAGE & BAT STORAGE
11	CMU WALL
12	CONCRETE WALKWAY PER SITE PLANS
13	4x12 BEAM PER STRUCTURAL

GENERAL NOTES

1. CMU BLOCK SHALL NOT BE CUT VERTICALLY TO FIT. USE FACTORY MADE HALF SIZE BLOCKS WHERE REQUIRED.

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SHEET TITLE DUGOUT FLOOR PLAN, ROOF PLAN, ELEVATIONS, SECTION & DETAILS

SHEET
A-201

Abbreviations

APPLIES TO STRUCTURAL DRAWINGS ONLY

SYMBOLS USED AS ABBREVIATIONS

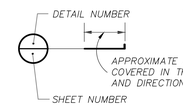
@	AT
∠	ANGLE
℄	CENTERLINE
[	CHANNEL
d	PENNY
⊥	PERPENDICULAR
ℙ	PLATE(S)
ø	DIAMETER
▫	SQUARE
w/	WITH
wo/	WITHOUT
#	NUMBER
&	AND
o/	OVER

ABBREVIATIONS

A.C.	ASPHALT CONCRETE
ALT.	ALTERNATE
A.B.	ANCHOR BOLT(S)
APPROX.	APPROXIMATE(LY)
ARCH.	ARCHITECT(URAL)
BSMT.	BASEMENT
BRG.	BEARING
BM.	BEAM
BLK.	BLOCK
BLKG.	BLOCKING
B.O.	BOTTOM OF
B.O.F.	BOTTOM OF FOOTING
BLDG.	BUILDING
B.N.	BOUNDRY NAILING
C.	CAMBER
C.I.P.	CAST-IN-PLACE
CEM.	CEMENT
CNTR.	CENTER(ED)
CHAM.	CHAMFER(ED)
CLG.	CEILING
CLR.	CLEAR(ANCE)
CLS.	CLOSURE
C.J.	COLD JOINT or CONTROL JOINT
COL.	COLUMN(S)
CONC.	CONCRETE
C.M.U.	CONCRETE MASONRY UNIT
CONT.	CONTINUE(OUS)
CONTR.	CONTRACT(OR)
CORR.	CORRUGATED
CSK.	COUNTERSINK(SUNK)
C.F.	CUBIC FOOT
C.Y.	CUBIC YARD
DBL.	DOUBLE
D.L.	DEAD LOAD
DEP.	DEPRESS(ED)
DTL.	DETAIL(S)
DIAG.	DIAGONAL
DIA.	DIAMETER
DIM.	DIMENSION(S)
DF.	DOUGLAS FIR
DF-L	DOUGLAS FIR-LARCH
DN.	DOWN
E.	EAST
E.N.	EDGE NAILING
EA.	EACH
E.F.	EACH FACE
(E)	EXISTING
ELEV.	ELEVATION
EQ.	EQUAL
E.B.	EXPANSION BOLT
EXP.	EXPOSE(D)
EXT.	EXTERIOR
F.N.	FIELD NAILING
FAB.	FABRICATE(D)(ION)
F.B.	FLOOR BEAM
F.O.	FACE OF
FOC.	FACE OF CONCRETE
FOM.	FACE OF MASONRY
FOS.	FACE OF STUD
F.S.	FAR SIDE
FIN.	FINISH
FFE.	FINISH FLOOR ELEVATION
FF.	FINISH FLOOR
FLR.	FLOOR
FT.	FOOT, FEET
FTG.	FOOTING(S)
FDN.	FOUNDATION
FUT.	FUTURE
GA.	GAGE, GAUGE
GALV.	GALVANIZE(D)
GL.	GLASS, GLAZING
G.B.	GRADE BEAM
GLB.	GLUED LAMINATED BEAM
GYP.	GYPSUM
GYPBD.	GYPBOARD
HDR.	HEADER
H.V.A.C.	HEATING/VENTILATING /AIR CONDITIONING
HT.	HEIGHT
HK.	HOOK(S)
HORIZ.	HORIZONTAL
INCL.	INCLUDE(D)(ING)
I.D.	INSIDE DIAMETER
IN.	INCHES
INS.	INSULATE(D)(ING)
INSP.	INSPECT(ING)(ION)
INT.	INTERIOR
INTM.	INTERMEDIATE
JT.	JOINT
JST.	JOIST
KO.	KNOCKOUT
K.J.	KEYED JOINT
L.	LENGTH
LB.	POUND
LAM.	LAMINATE(D)
LDGR.	LEDGER
LH.	LEFT HAND
L.L.	LIVE LOAD
M.B.	MACHINE BOLT
M.I.	MALLEABLE IRON
MFR.	MANUFACTURER
MAS.	MASONRY
M.L.	MASONRY LINTEL
MATL.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MED.	MEDIUM
MMB.	MEMBRANE
M.F.D.	METAL FLOOR DECKING
M.R.D.	METAL ROOF DECKING
MDSP.	MIDSPAN
MIN.	MINIMUM
MISC.	MISCELLANEOUS
N.	NORTH
(N)	NEW
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
N.S.	NEAR SIDE
O.C.	ON CENTER
OPNG.	OPENING
O.W.J.	OPEN-WEB JOIST
OPP.	OPPOSITE
O.D.	OUTSIDE DIAMETER
PNL.	PANEL
PRLN.	PURLIN(S)
PAR.	PARALLEL
PARTN.	PARTITION
PVMT.	PAVEMENT
PERF.	PERFORATE
PLY.	PLYWOOD
P.W.J.	PLYWOOD WEB JOIST
PT.	POINT
PVC.	POLYVINYLCHLORIDE
PCF.	POUNDS PER CUBIC FOOT
PLF.	POUNDS PER LINEAL FOOT
PSF.	POUNDS PER SQUARE FOOT
PSI.	POUNDS PER SQUARE INCH
PREFAB.	PREFABRICATE(D)
PREFIN.	PREFINISH(ED)
P.T.D.F.	PRESSURE TREATED DOUGLAS FIR
PL.	PLATE(S)
PLN.	PROPERTY LINE
RAD.	RADIUS
RFTR.	RAFTER(S)
RLNG.	RAILING
REF.	REFER(ENCE)
REINF.	REINFORCE(D)(ING)
REQ.	REQUIRE(D)
REV.	REVERSE(D)
REV.	REVISE(ION)
RH.	RIGHT HAND
R.D.	ROOF DRAIN
RFG.	ROOFING
R.J.	ROOF JOIST(S)
RM.	ROOM
R.O.	ROUGH OPENING
S.J.	SAWED JOINT
SCHED.	SCHEDULE
SEC.	SECTION
SHT.	SHEET or SHEATHING
SIMP.	"SIMPSON STRONG-TIE" (a manufacturer)
SIM.	SIMILAR
S.	SOUTH
SPC.	SPACE(R)(D)(ING)
SPEC.	SPECIFICATION
SQ.	SQUARE
STAG.	STAGGER(ED)
STL.	STEEL
STD.	STANDARD
STRL.	STRUCTURAL
SYM.	SYMMETRICAL
THRD.	THREAD(ED)
THK.	THICK
T&G	TONGUE & GROOVE
T.O.	TOP OF
TOC.	TOP OF CONCRETE
TOCB.	TOP OF CURB
TOF.	TOP OF FOOTING
TOG.	TOP OF GRADE
TOM.	TOP OF MASONRY
TOP.	TOP OF PAVING
TOPL.	TOP OF PLATE
TOS.	TOP OF SLAB
TOSHTG.	TOP OF SHEATHING
TOSTL.	TOP OF STEEL
TOW.	TOP OF WALL
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
V.B.	VAPOR BARRIER
VNR.	VENEER
VERT.	VERTICAL
WF.	WIDE FLANGE
WWF.	WELDED WIRE FABRIC
WP.	WATERPROOFING
W.	WEST
W.	WIDTH or WIDE
WD.	WOOD
W.I.	WROUGHT IRON
WM.	WIRE MESH

Symbols

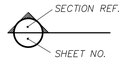
APPLIES TO STRUCTURAL DRAWINGS ONLY



DETAIL

A DETAIL CUT WHERE THE DIRECTION OF THE VIEW IS IDENTICAL IN EITHER DIRECTION OR IS A MIRROR IMAGE OF EACH OTHER

DETAIL CUT WHERE MORE THAN ONE DETAIL IS REQUIRED FOR THE ENTIRE PICTURE



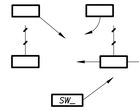
SECTION

KEYED NOTE NUMBER

BOLTED HOLDOWNS

STRAP TYPE HOLDOWNS

CHANGE IN ELEVATION



INDICATES SCHEDULED ITEM. REFER TO LIST BELOW FOR ITEMS SCHEDULED.

INDICATES SHEAR WALL PER SHEAR WALL SCHEDULE

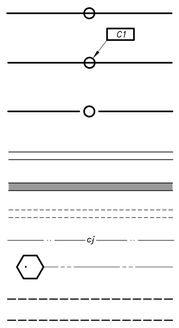
COLUMN TYPES :

PIPE

TUBE STEEL

WIDE FLANGE

WOOD POST



COLUMN TERMINATES WITH FRAMING MEMBERS OVER COLUMN

COLUMN ORIGINATING ON TOP OF BEAM. THIS MAY OCCUR WHEN THERE IS NO COLUMN BELOW.

COLUMN CONTINUOUS WITH FRAMING MEMBERS CONNECTED TO SIDES OF COLUMN.

INDICATES STUD WALLS

INDICATES SHEAR WALLS

INDICATES WALLS BELOW DEPICTED LEVEL

CRACK CONTROL JOINT

GRID LINE

STRUCTURAL CONCRETE FOOTING

Structural General Notes

APPLIES TO STRUCTURAL DRAWINGS ONLY

EXCAVATING, GRADING, AND FILLING

1. *Notify the Soils Engineer when clearing and demolition commence.*
2. *Notify the governmental agencies having jurisdiction over the project prior to grading commencing. Make all necessary arrangements for their inspection.*
3. *Refer to soils report for excavating, grading and filling.*
4. *A soils investigation report has been prepared by* ***Earth System of 5917 Olivas Park Drive, Suite F, Ventura, CA****. Earth and foundation Work is to be done in compliance with the recommendations of this report. A copy of the soils investigation is available at the Architect's office. Reference project file No. 305811-002, dated November 21, 2023.*

FOUNDATIONS

1. *Extend all footings a minimum of 18" into engineering fill.*
2. *Prior to pouring concrete foundations, all loose earth, water, and debris is to be removed from foundation bed.*
3. *See Soils Report for special grading procedure under building and paved areas.*
4. *Design soil bearing pressure is* ***1,800*** *psf DL + LL.*
5. *The bottom elevation of all footings is subject to the approval of the Soils Engineer.*
6. *Provide for de-watering of all excavations from either surface water or seepage.*
7. *Protect all foundation excavations on the site from caving.*
8. *After foundation excavations have been completed and prior to placing reinforcing and formwork, the foundation bed is to be inspected by the Soils Engineer. All loose material is to be removed.*
9. *Secure in position prior to inspection and pouring concrete or grouting block, all anchor bolts, holdown anchors, reinforcing steel, dowels, inserts, etc. For anchor bolts and holdowns, use Simpson Anchormate anchor bolt holders. Stabbing bolts after pouring will not be allowed.*

CONCRETE

1. *All concrete for the footings, flat work, and miscellaneous items is to have a minimum ultimate compressive strength of 3,000 psi at 28 days, unless noted otherwise on the Drawings.*
2. *Reinforcing bars are to be of intermediate grade conforming to ASTM A 615, grade 40 for #2 and #3 bars and grade 60 for #4 bars and larger.*
3. *Cement is to be type II, low alkali (no higher than 0.60%), conforming to ASTM C-150. Up to a maximum of 18% of cement may be substituted with Fly Ash (type "F").*
4. *All aggregate used in concrete are to conform to ASTM C-33. Aggregate shall be uniformly graded, with the maximum aggregate size required to be 1" to 3/4".*
5. *Coarse and fine aggregate (sand) are to come from a source proven to have non-reactive characteristics. Coarse aggregate which is heavy media processed (Saticoy, Sisquoc), Santa Margarita rock, or San Gabriel rock will be considered as meeting the criteria of non-reactivity. Moorpark sand (Quality, Best, Blue Star) will be considered as meeting the requirements of non-reactivity. Other aggregates meeting or exceeding the aggregate reactivity characteristics of the aggregates listed above are acceptable upon submittal of adequate documentation (ASTM C289 and ASTM C277 test results that are not more than 2 years old). Use an approximate 60% to 40% ratio of coarse aggregate to fine aggregate (by weight) respectively.*
6. *Splices of reinforcing steel are to be lapped as specified in these drawings and securely wired together. Splices of adjacent reinforcing bars shall be staggered wherever possible. See Drawings for particular requirements for splice breaks.*
7. *Minimum concrete cover for reinforcing is as follows:*

Cast against and permanently exposed to earth	*3"*
Cast in forms and exposed to earth or weather	*2"*
Interior slabs, walls, and joist	*1"*
Interior beams, girders, and columns	*1-1/2"*

8. *Location of sleeves for pipes, and for pipes intended to be cast in concrete, for which no specific details are shown shall be subject to the review of the Structural Engineer.*
9. *Secure in position prior to inspection and pouring concrete, all anchor bolts, holdown anchors, reinforcing steel, dowels, inserts, etc. For anchor bolts and holdowns, use Simpson Anchormate anchor bolt holders. Stabbing bolts after pouring slab will not be allowed.*
10. *Concrete shall contain a minimum of 6.00 sacks of cement per cubic yard, a maximum water/cement ratio of .45, and shall have a slump no greater than 4". Do not exceed 34 gallons of water per cubic yard of concrete. Use water reducing admixture to achieve workable slump.*
11. *Continuous inspection by a Deputy Inspector approved by the Building Department is required for all concrete with an ultimate compressive strength greater than 2500 psi.*
12. *Make and test concrete cylinders in accordance with Section 1704.4 of the CBC.*
13. *Spray slabs with a curing compound immediately after finishing.*
14. *Do not place backfill behind retaining walls sooner than 14 days after concrete or grout is placed.*
15. *Vibrate all concrete as it is being placed with electronically-operated vibrating equipment.*
16. *Welded reinforcing bars to conform to ASTM A706.*

STEEL

1. *Wide flange "W" shapes shall conform to ASTM A992 Grade 50, unless specifically specified elsewhere on the plans. "S", "M", "HP", and channels are to conform to ASTM A572, grade 50. Plates, angles, and misc. steel sections shall conform to ASTM A36.*
2. *Anchor bolts and threaded studs (hooked, headed, and threaded anchor rods): conform to ASTM F1554 unless noted otherwise on the Plans.*
3. *High strength bolts used in steel to steel connection: conform to ASTM A325N. Unless pre-tensioned or friction type connections are specified, tighten bolts requiring the full effort of an ironworker with an ordinary spud wrench.*
4. *Pipe columns: conform to ASTM A-53, grade B.*
5. *Tube and circular steel sections (HSS): conform to ASTM A-500, grade B Fy = 46 ksi.*
6. *Welding: conform to AWS standards, latest addition.*
7. *All welding shall be done by the shielded arc method. All welders shall be properly qualified and AWS certified for the kind of weld they perform. Surplus metal shall be dressed off to smooth, even surfaces where welds are not exposed to view. All field-welding shall be inspected by a testing laboratory approved by the Structural Engineer.*
8. *Use low hydrogen electrodes for welding reinforcing steel. All welded reinforcing steel to conform to ASTM A706.*
9. *All steel on the exterior of the building shall be hot dipped galvanized after fabrication. Field welds shall be painted with "Galvalloy".*
10. *All steel not encased in concrete or concrete block shall have one shop coat of zinc chormate, or other approved paint 2 mils thick. After erection, all nuts, bolt heads, and abrasions to the shop coat shall receive a touch up coat. Paint shall be omitted at places to receive sprayed on fire proofing, and areas with friction type bolts.*
11. *Submit shop drawings of all steel work to the Structural Engineer for review. Submit sufficient copies of shop drawings so that the Architect and Structural Engineer may each retain one copy for their record. Any fabrication prior to the review of shop drawings shall be done at the sole risk of the Contractor. The Structural Engineer will require that the shop drawings be in his office at least 3 weeks for review [More time will be required on projects where there are more than 50 steel shop drawings]. Submit shop drawings soon enough so that the required Structural Engineer's review period will not impact the construction schedule. Contact the Structural Engineer when shop drawings are begun to confirm schedule.*

CONCRETE BLOCK MASONRY CONSTRUCTION

1. *The design compressive strength of CMU construction shall be 2,000 psi per CBC 2105A.2.*
2. *Concrete block is to be manufactured from normal weight aggregate and is to conform to ASTM C90-16a, f'm=2,000 psi net area strength.*
3. *Mortar is to be type "S" and have a minimum strength of 1,800 psi at 28 days per ASTM C270. Mortar proportions: 1part cement, 1/4 to 1/2 hydrated lime, 3 parts aggregate by volume.*
4. *Grout is to be transit mixed and contain 7 sacks of cement per cubic yard of grout. Maximum slump is to be between 8" and 11" per ASTM C476. Minimum ultimate compressive strength shall be 2,000 psi at 28 days. Grout shall be proportioned as 1 part cement, X_0 part hydrated lime, and aggregate $2\frac{1}{4}$-3 times the sum of the volumes of the cementitious materials by volume per ASTM C476.*
5. *Use open end block throughout.*
6. *Pour grout in lifts not to exceed 4 feet for low lift grouted construction per CBC 2104A.1.3.1.2.2.*
7. *Splices in reinforcing bars are to be per detail* ***5/S-102****, unless noted otherwise on plans.*
8. *Solid grout all walls.*
9. ***Stack bond construction*** *shall be used.*
10. *Horizontal bars shall be placed in bond-beam units.*
11. *Space between masonry wall and rebar shall be at least one bar diameter.*
12. *All head joints shall be filled with mortar for a distance = shell thickness.*
13. *Wall and cross webs of CMU shall be fully bedded in mortar.*
14. *Continuous vertical cells shall be provided with a 2"x3" clear space.*

DRYPACK

1. *Drypack may be used under base plates whose largest dimension does not exceed 12". Mix in the proportions of 1 part Portland cement to 2-1/2 parts sand. Add only enough water so that a palm sized ball of drypack will retain its shape.*
2. *Where the largest dimension of a bearing or base plate exceeds 12", or for smaller plates, use a pourable non-shrink, non-metallic, high strength grout. Minimum 7 day ultimate compressive strength is 5,000 psi. Install in conformance to the manufacturer's recommendations.*

GENERAL

1. *All materials and workmanship are subject to the review of the Architect and Structural Engineer.*
2. *Report any and all discrepancies, ambiguities, unclear items or items that are subject to more than one interpretation, on the Drawings and/or Specifications to the Structural Engineer for clarification before proceeding with Work.*
3. *All Work done under this contract is to comply with the* ***2022*** *edition of the California Building Code.*
4. *Design and install all temporary bracing and shoring to ensure the safety of the Work until it is in its completed form. When required by law, employ a Civil Engineer to design shoring, bracing, and installation plans for structural items.*
5. *Verify all dimensions prior to starting Work. The Architect and Structural Engineer are to be notified of any discrepancies or inconsistences. Check and coordinate all dimensions. See architectural Drawings for dimensions and non-structural items not shown on these Plans. Do not scale the Drawings to obtain dimensions.*
6. *All scaffoldings and shoring is to comply with the rules and regulations of the Industrial Safety Commission of the State of California.*
7. *The Structural Engineer will provide only periodic observation of the Work.*
8. *Fees or costs associated with the redesign or modification of these Plans by the Architect or Structural Engineer as a result of deviation by the Contractor from the Plans and Specifications, or due to errors, faulty materials or faulty workmanship, is to be paid to the Structural Engineer by the Contractor.*
9. *The Contractor is required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property. This requirement applies continuously and is not limited to normal working hours. The Contractor further agrees to defend, indemnify and hold harmless the Structural Engineer from any and all liability, real or alleged, in connection with the performance of Work of this project, excepting liability arising from the sole negligence of the Structural Engineer.*
10. *Neither the professional activities nor the presence of the Structural Engineer at the construction site relieves the Contractor of his obligation, duties and responsibilities for construction means, methods, sequences, techniques and procedures necessary for the Contractor to complete the Work in accordance with the Plans and Specifications in a manner to ensure the health and safety of persons who enter the construction site.*
11. *Any differences between the existing construction as observed in the field and as shown on the Drawings is to be reported to the Structural Engineer before proceeding with Work.*
12. *Bidders must visit the building site and familiarize themselves with the existing conditions. Discrepancies or deletions must be brought to the attention of the Architect and Structural Engineer before bid date for correction.*
13. *All work has been done in a manner as required for new structures.*
14. *Protect adjoining property and buildings as defined in Section 1804A.1 of the California Building Code.*

DESIGN PARAMETERS

1. *Seismic - (N) Structure*
   Risk Category - II
   Seismic Design Category - D
   Site Class - E
   Importance Factor, Ie = 1
   Response Modification Factor, R = 5 [Special Reinforced CMU]
   Rho = ***1.3***

   Spectral Response Coefficients, $S_S = 1.982g$, $S_1 = 0.746g$
   $F_a = 1$, $F_v = 4$
   $S_{DS} = 1.199g$, $S_{D1} = 1.925g$

   Base Shear, V = 0.32W (Rho =1.3)

   1. *Seismic Force Resisting System - The New Dugout of Ventura High School has been designed utilizing Special Reinforced Concrete Masonry Unit (CMU) Shear Walls. An elastic static analysis was performed using the Equivalent Lateral Force Procedure of ASCE 7-16 Section 12.8.*

2. *Wind*
   Basic Wind Speed, V = 95 mph
   Importance Facor, I = 1
   Wind Exposure - C

NOTIFICATION

Notify the Structural Engineer 48 hours before the following times:
1. *Prior to the time that the site grading work begins.*
2. *After foundation excavations have been made and prior to placing reinforcing steel and formwork.*
3. *Prior to all concrete pours.*
4. *Prior to placing the first course of concrete masonry units.*
5. *Prior to all grout lifts.*
6. *When rough framing is completed and prior to start of finish work.*
7. *Prior to covering any metal deck screws.*

STRUCTURAL OBSERVATION

Observation of the construction shall be provided by the Architect or Structural Engineer in General Responsible Charge as set forth in Title 24, Part 1. At the conclusion of the work included in this permit, the structural observer shall submit to the DSA inspector a written statement that the site visits have been made and identify any reported deficiencies that, to the best of the structural observer's knowledge, have not been resolved. Structural observation shall be provided for the following stages of construction.

1. *Prior to concrete pours to observe excavation dimensions, reinforcement, and required embedded items.*
2. *Prior to grout pour to observe CMU wall reinforcement, and required embedded items.*
3. *Prior to the covering of any structural framing, ply. sheathing nailing.*

SPECIAL INSPECTIONS

Ref. to S-002

DSA STAMP & SIGNATURE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123899 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/05/2024

VENTURA UNIFIED SCHOOL DISTRICT
VENTURA HIGH SCHOOL
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GIRLS SOFTBALL IMPROVEMENTS

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ARCHITECT'S STAMP & SIGNATURE



ENGINEER'S STAMP & SIGNATURE



CONSULTANT INFORMATION

5	-	-/-/-	XX
4	-	-/-/-	XX
3	-	-/-/-	XX
2	-	-/-/-	XX
1	-	-/-/-	XX
REVISION	DESCRIPTION	DATE	BY

DRAWN VB
CHECKED GHS
DATE 01/02/2024
JOB. NO. SWA 23086

SHEET TITLE STRUCTURAL GENERAL NOTES

SHEET S-001

Special Inspection Tables

APPLIES TO STRUCTURAL DRAWINGS ONLY

SPECIAL INSPECTIONS (CBC Sections 1704A & 1705A)

The owner or the architect of record, acting as the owner's agent, shall employ one or more special inspectors who are approved by DSA who shall provide inspections during construction on the following, but not limited to, types of work:

1. *Reinforced concrete per Table 1705A.3.*
   - *A. Required for all concrete designed for f'c exceeding 2,500 psi.*
   - *B. Exceptions – Special inspections shall not be required for:*
     1. *Concrete patios, driveways and sidewalks, on grade.*
2. *Steel Construction per Section 1705A.2 and Table 1705A.2.1*
   - *A. Welding not performed in an approved fabricator's shop per Sections 1705A.2.1, 1705A.2.5, & Table 1705A.2.1 Cost of Special Inspection for field welds not shown on Plans to be borne by Owner. Cost of Special Inspection on welds that are not specifically called out on the Plans as field welds to be borne by Owner.*
   - *B. Steel construction details per Section 1705A.2.*
3. *Reinforced Masonry construction shall be inspected and verified in accordance with TMS 402/ACI 530/ASCE 5 and TMS 602/ACI 503.1/ASCE 6 Level 2 Quality Assurance program requirements Table 3, and per Table 4.*

TABLE 1705A.3

REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD [a]	IBC REFERENCE
1. Inspect reinforcement, including pretressing tendons, and verify placement.	——	X	ACI 318 Ch. 20, 25.2, 25.3, 26.5.1–26.5.3	1908.4
2. Reinforcing bar welding: a. Verify weldability of reinforcing bars other than ASTM A706; b. Inspect single–pass fillet welds, maximum 5/16", and c. Inspect all other welds.	—— —— X	X X	AWS D1.4 ACI 318: 26.5.4	——
3. Inspect anchors cast in concrete	——	X	ACI 318: 17.8.2	——
4. Inspection of anchors post–installed in hardened concrete members. [b,c] a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. b. Mechanical anchors and adhesive anchors not defined in 4.a.	X ——	 X	 ACI 318: 17.8.2.4 ACI 318: 17.8.2	——
5. Verify use of required design mix.	——	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X	——	ASTM C172 ASTM C31 ACI 318: 26.4.5, 26.12	1908.10
7. Inspect concrete and shotcrete placement for proper application techniques.	X	——	ACI 318: 26.4.5	1908.6, 1908.7, 1908.8
8. Verify maintenance of specified curing temperature and techniques.	——	X	ACI 318: 26.4.7–26.4.9	1908.9
9. Inspect prestressed concrete for: a. Application of prestressing forces; and b. Grouting of bonded prestressing tendons	X X	—— ——	ACI 318: 26.9.2.1 ACI 318: 26.9.2.3	——
10. Inspect erection of precast concrete members.	——	X	ACI 318: Ch. 26.8	——
11. Verify in–situ concrete strength, prior to stressing of tendons in post–tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	——	X	ACI 318: 26.10.2	——
12. Inspect formwork for shape, location and dimensions of the concrete member being formed.	——	X	ACI 318: 26.10.1(b)	——

For SI: 1 inch=25.4 mm.

a. Where applicable, see also Section 1705.12, Special inspection for seismic resistance.

b. Specific requirements for special inspection shall be included in the research report for the anchor issued by an approved source in accordance with 17.8.2 in ACI 318, or other qualification procedures. Where specific requirements are not provided, special inspection requirements shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of the work.

c. Installation of all adhesive anchors in horizontal and upwardly inclined positions shall be performed by an ACI/CRSI certified adhesive anchor installer, except where the factored design tension on the anchor is less than 100 lbs and those anchors are clearly noted on the approved construction documents or where the anchors are shear dowels across cold joints in slabs on grade where the slab is not part of the lateral force–resisting system.

TABLE 1705A.2.1

REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD [a]	CBC REFERENCE
1. Material verification of high–strength bolts, nuts and washers:				
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	——	X	Applicable ASTM material specifications; AISC 360, Section A3.3	——
b. Manufacturer's certificate of compliance required.	——	X	——	——
2. Inspection of high–strength bolting:				
a. Snug–tight joints.	——	X	AISC 360, Section M2.5	
b. Pretensioned and slip–critical joints using turn–of–nut with matchmarking, twist–off bolt or direct tension indicator methods of installation.	——	X		
c. Pretensioned and slip–critical joints using turn–of–nut without matchmarking or calibrated wrench methods of installation.	X	——		
3. Material verification of structural steel and cold–formed steel deck:				
a. For structural steel, identification markings to conform to AISC 360.	——	X	AISC 360, Section M5.5	2203A.1
b. For other steel, identificataion markings to conform to ASTM standards specified in the approved construction documents.	——	X	Applicable ASTM material standards	
c. Manufacturers' certified mill test reports.	——	X	ASTM A 6 or ASTM A 568	
4. Material verification of weld filler materials:				
a. Identification markings to conform to AWS specification in the approved construction documents.	——	X	AISC 360, Section A3.5 and applicable AWS A5 documents	——
b. Manufacturer's certificate of compliance required.	——	X	——	——
5. Inspection of welding:				
a. Structural steel:				
1) Complete and partial penetration groove welds.	X	——	AWS D1.1	1705A.2.2
2) Multipass fillet welds.	X	——		
3) Single–pass fillet welds > 5/16"	X	——		
4) Plug and slot welds.	X	——		
5) Single–pass fillet welds ≤ 5/16"	——	X		
6) Floor and roof deck welds.	——	X	AWS D1.3	——
b. Reinforcing steel:				
1) Verification of weldability of reinforcing steel other than ASTM A 706.	——	X	AWS D1.4 ACI 318: Section 3.5.2	——
2) Reinforcing steel–resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement.	X	——		
3) Shear reinforcement.	X	——		
4) Other reinforcing steel.	——	X		
6. Inspection of steel frame joint details for compliance:				
a. Details such as bracing and stiffening.	——	X	——	1705A.2.2
b. Member locations.	——	X		
c. Application of joint details at each connection.	——	X		

For SI: 1 inch=25.4 mm.

a. Where applicable, see also Section 1705A.11, Special inspection for seismic resistance.

TABLE 1705A.6

REQUIRED SPECIAL INSPECTIONS AND TESTS OF OF SOILS

VERIFICATION AND INSPECTION TASKS	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	——	X
2. Verify excavations are extended to proper depth and have reached proper material.	——	X
3. Perform classification and testing of compacted fill materials.	——	X
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	——
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	——	X

TABLE 3

MINIMUM VERIFICATION REQUIREMENTS

MINIMUM VERIFICATION	REQUIRED FOR QUALITY ASSURANCE [(a)]	REFERENCE FOR CRITERIA
	LEVEL 2	TMS 602
Prior to construction, verification of compliance of submittals.	R	Art. 1.5
Prior to construction, Verification of f'_m and f'_{AAC}, except where specifically exempted by this Code.	R	Art. 1.4 B
During construction, verification of Slump flow and Visual Stability Index (VSI) when self–consolidating grout is delivered to the project site.	R	Art. 1.5 & 1.6.3
During construction, Verification of f'_m and f'_{AAC} for every 5,000 sq. ft. (465 sq. m).	NR	Art. 1.4 B
During construction, verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout, and grout other self–consolidating grout.	NR	Art. 1.4 B

(a) R=Required, NR=Not Required

TABLE 4

MINIMUM SPECIAL INSPECTION REQUIREMENTS

MINIMUM SPECIAL INSPECTION			
INSPECTION TASK	FREQUENCY [(a)]	REFERENCE FOR CRITERIA	
	LEVEL 2	TMS 402	TMS 602
1. As masonry construction begins, verify that the following are in compliance:			
a. Proportions of site–prepared mortar	P		Art. 2.1, 2.6 A, & 2.6 C
b. Grade and size of prestressing tendons and anchorages	P		Art. 2.4 B, 2.4 H
c. Grade, type and size of reinforcement, connectors, anchor bolts, and prestressing tendons and anchorages	P		Art. 3.4, & 3.6 A
d. Prestressing technique	P		Art. 3.6 B
e. Properties of thin–bed mortar for AAC masonry	C[(b)]/P[(c)]		Art. 2.1 C.1
f. Sample panel construction	P		Art. 1.6 D
2. Prior to grouting, verify that the following are in compliance:			
a. Grout space	P		Art. 3.2 D, & 3.2 F
b. Placement of prestressing tendons and anchorages	P	Sec. 10.8 & 10.9	Art. 2.4, 3.6
c. Placement of reinforcement, connectors, and anchor bolts	P	Sec. 6.1, 6.3.1, 6.3.6, & 6.3.7	Art. 3.2 E, & 3.4
d. Proportions of site–prepared grout and prestressing grout for bonded tendons	P		Art. 2.6 B, & 2.4 G.1.b
3. Verify compliance of the following during construction:			
a. Materials and procedures with the approved submittals	P		Art. 1.5
b. Placement of masonry units and mortar joint construction	P		Art. 3.3 B
c. Size and location of structural members	P		Art. 3.3 F
d. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction	P	Sec. 1.2.1(e), 6.2.1, & 6.3.1	
e. Welding of reinforcement	C	Sec. 6.1.6.1.2	
f. Preparation, construction, and protection of masonry during cold weather (temperature below 40°F (4.4°C)) or hot weather (temperature above 90°F (32.2°c))	P		Art. 1.8 C, & 1.8 D
g. Application and measurement of prestressing force	C		Art. 3.6 B
h. Placement of grout and prestressing grout for bonded tendons is in compliance	C		Art. 3.5, & 3.6 C
i. Placement of AAC masonry units and construction of thin–bed mortar joints	C[(b)]/P[(c)]		Art. 3.3 B.9 & 3.3 F.1.b
4. Observe preparation of grout specimens, mortar specimens, and/or prisms	P		Art. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, 1.4 B.4

(a) Frequency refers to the frequency of inspection, which may be continuous during the task listed or periodically during the listed task, as defined in the table.
NR=Not Required, P=Periodic, C=Continuous
(b) Required for the first 5000 square feet (465 square meters) of AAC masonry.
(c) Required after the first 5000 square feet (465 square meters) of AAC masonry.

DSA STAMP & SIGNATURE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123899 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/05/2024

VENTURA UNIFIED SCHOOL DISTRICT
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ARCHITECT'S STAMP & SIGNATURE

REGISTERED ARCHITECT TODD A. JESPERSEN No. C-25839 Ren. 08/30/2025 STATE OF CALIFORNIA

ENGINEER'S STAMP & SIGNATURE

REGISTERED PROFESSIONAL ENGINEER JONATHAN D. LEE No. 4981 CIVIL STATE OF CALIFORNIA

CONSULTANT INFORMATION

REVISION	DESCRIPTION	DATE	BY
5	-	-/-/-	XX
4	-	-/-/-	XX
3	-	-/-/-	XX
2	-	-/-/-	XX
1	-	-/-/-	XX

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CHECKED GHS
DATE 01/02/2024
JOB. NO. SWA 23086

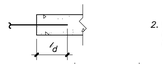
SHEET TITLE STRUCTURAL GENERAL NOTES

SHEET S-002

CONCRETE REINFORCING DEVELOPMENT & SPLICE LENGTHS (IN INCHES) - PER ACI 318-14																								
BAR LOCATION	CONCRETE		BAR SIZE																					
	TYPE	STRENGTH	#3			#4			#5			#6			#7			#8						
			l_d	l_s	l_{dh}	l_d	l_s	l_{dh}	l_d	l_s	l_{dh}	l_d	l_s	l_{dh}	l_d	l_s	l_{dh}	l_d	l_s	l_{dh}	l_d	l_s	l_{dh}	l_d	l_s	l_{dh}
FOUNDATION REINF., SLAB-ON-GRADE REINF., STEM WALL VERT. REINF.	NORMAL	f'c = 3ksi	17	22	9	22	29	11	28	36	14	33	43	17	45	62	20	55	72	22				
FTG. TOP REINF., STEM WALL HORIZ. REINF.	NORMAL	f'c = 3ksi	22	28	9	29	38	11	36	47	14	43	56	17	63	81	20	72	93	22				

NOTES:

1. l_d = DEVELOPMENT LENGTH



l_s = CLASS B LAP SPLICE LENGTH

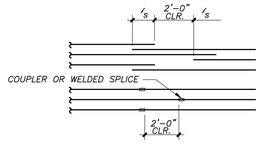


l_{dh} = HOOK DEVELOPMENT LENGTH



2. WHEN SPLICING BARS OF DIFFERENT SIZE, USE LAP SPLICE LENGTH OF LARGER BAR, U.N.O.

3. STAGGER EA. SPLICES AS



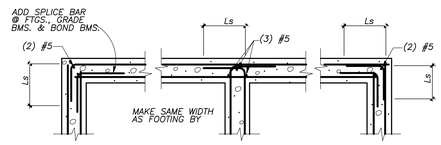
REINFORCING DEVELOPMENT & SPLICE LENGTHS

NO SCALE

13 5

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1



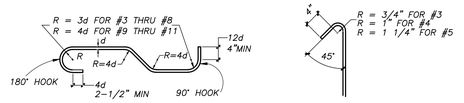
NOTE:
ALL HORIZONTAL BARS IN FOOTINGS, GRADE BMS. & BOND BMS: SHALL BE CONT. AROUND CORNERS & INTERSECTIONS.

TYPICAL MINIMUM REINFORCING AT CORNERS & INTERSECTIONS

NO SCALE

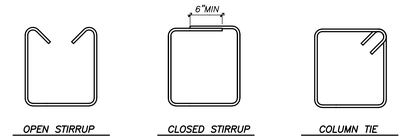
REFER TO DETAIL 5/– FOR 'Ls' DIMENSION

14 10



STANDARD HOOKS & BENDS

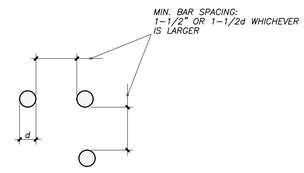
TYPICAL STIRRUP & TIE BEND



REINFORCING DETAILS

NO SCALE

6



A BAR SPACING FOR NON-SPLICED BARS

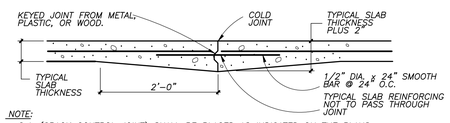


B BAR SPACING FOR BARS SPLICED WITH A NON-CONTACT LAP

BAR SPACING IN CONCRETE

NO SCALE

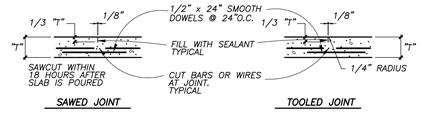
2



NOTE:
C.J. (CRACK CONTROL JOINT) SHALL BE PLACED AS INDICATED ON THE PLANS. PROVIDE EITHER A "COLD JOINT" OR "OTHER JOINT" AT THESE LOCATIONS. ALL JOINTS NOT SHOWN ON THE PLAN, OR ANY ADDITIONAL JOINTS MUST BE APPROVED IN WRITING BY BOTH THE ARCHITECT AND STRUCTURAL ENGINEER.
FOR SAND, GRAVEL & MOISTURE BARRIER, REFER TO PLAN NOTES FOR THICKNESS AND CONSTRUCTION.

COLD JOINT

NO SCALE

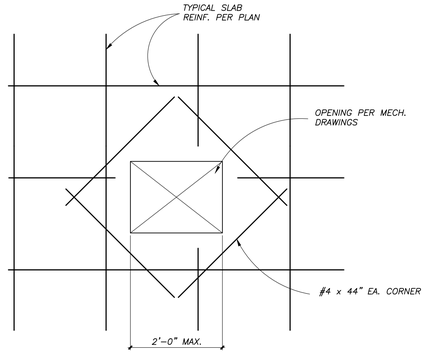


OTHER JOINTS

NO SCALE

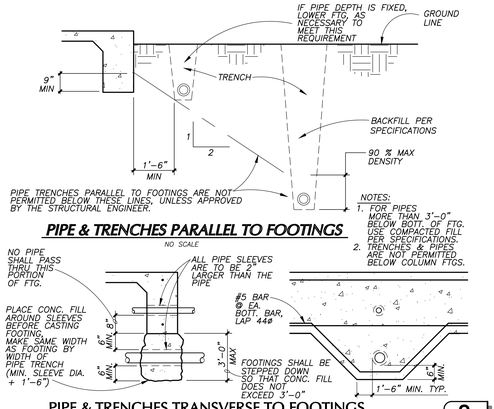
CRACK CONTROL JOINTS

15 11



TYP. OPENING IN CONC. SLAB-ON-GRADE

7



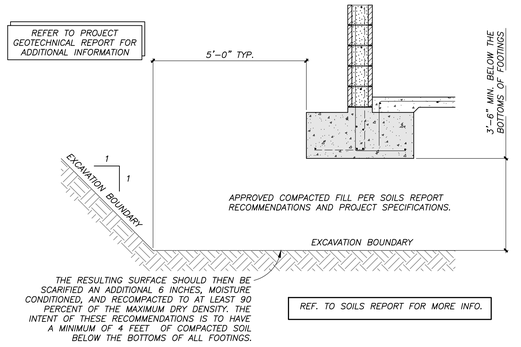
PIPE & TRENCHES PARALLEL TO FOOTINGS

NO SCALE

PIPE & TRENCHES TRANSVERSE TO FOOTINGS

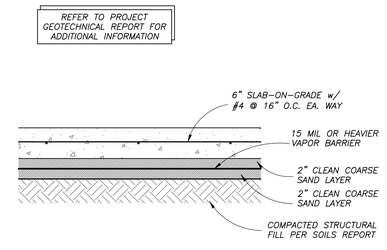
NO SCALE

3



TYPICAL BUILDING PAD PREPERATION

16 12 8



TYPICAL SLAB-ON-GRADE @ DUGOUT

NO SCALE

4

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APP: 03-123899 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 09/05/2024

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ENGINEER'S STAMP & SIGNATURE
REGISTERED PROFESSIONAL ENGINEER TIMOTHY K. STOPPE No. 49811 Exp. 12/31/25 CIVIL STATE OF CALIFORNIA

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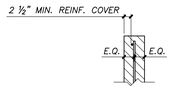
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JOB. NO. SWA 23086

SHEET TITLE TYPICAL DETAILS

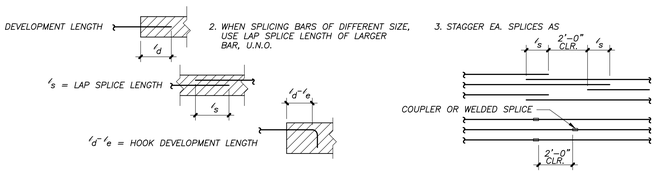
SHEET S-101

MASONRY REINFORCING DEVELOPMENT & SPLICE LENGTHS
(IN INCHES w/ f'm = 2,000 psi) - PER TMS 402 / 602-16



BAR SIZE																				
#3			#4			#5			#6			#7			#8			#9		
l_d	l_s	l_e	l_d	l_s	l_e	l_d	l_s	l_e	l_d	l_s	l_e	l_d	l_s	l_e	l_d	l_s	l_e	l_d	l_s	l_e
12	12	4	21	21	6	32	32	8	59	59	9	81	81	11	121	121	13	153	153	14

NOTES:
1. l_d = DEVELOPMENT LENGTH
2. WHEN SPLICING BARS OF DIFFERENT SIZE, USE LAP SPLICE LENGTH OF LARGER BAR, U.N.O.
3. STAGGER EA. SPLICES AS



REINFORCING DEVELOPMENT & SPLICE LENGTHS
NO SCALE

13 5

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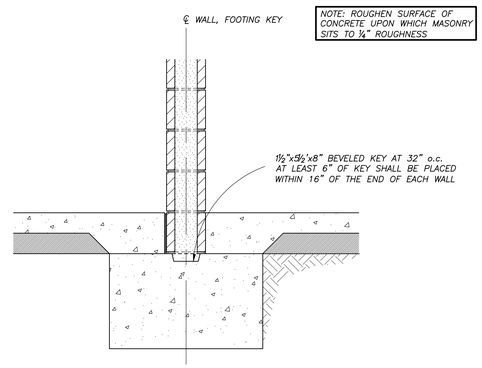
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GIRLS SOFTBALL IMPROVEMENTS

Bolt Embedment Schedule for Concrete or Masonry	
BOLT DIAMETER	EMBEDMENT
1/2"	5"
5/8"	5"
3/4"	5"
7/8"	6"
1"	7"

NOTES:
1. EMBEDMENTS ABOVE ARE MINIMUM UNLESS OTHERWISE SHOWN ON DRAWINGS.
2. MINIMUM EMBEDMENT FOR SILL BOLTS SHALL BE 8" BELOW FINISH FLOOR LINE.
3. EMBEDMENT IS EXCLUSIVE OF DRYPACK.
4. THESE EMBEDMENTS DO NOT APPLY FOR ANCHOR BOLTS FOR HOLDOWNS.

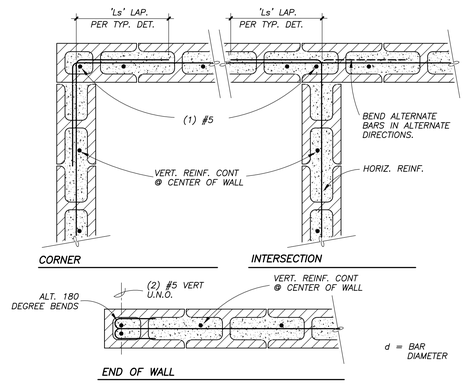
BOLT EMBEDMENT

14 10



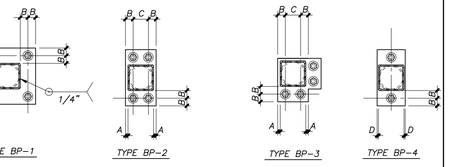
TYPICAL FOOTING/WALL KEY
NO SCALE

6

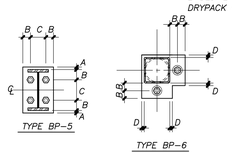


TYPICAL CONCRETE BLOCK REINFORCING
Scale: N.T.S.

2



UNLESS NOTED OTHERWISE :
PLATE THICKNESS = 3/4"
HEX HEADED ANCHOR BOLTS w/ DBL. NUT = 3/4"ø w/ 9" MIN. EMBEDMENT
DRYPACK = 1 ½"



A = 1/2" MIN.
B = 1 1/2" MIN.
C = 3" MIN.
D = 1/4" MIN.

N O T E :
TUBE STEEL COL. SHOWN. DETAILS ARE SIMILAR FOR PIPE COL.

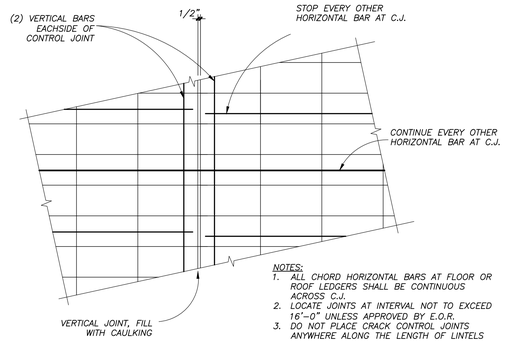
TYPICAL STEEL BASE PLATES ~ PLAN VIEW

15 11

NAILING SCHEDULE (1)	
CONNECTION	NAILING (2)
JOIST TO SILL OR GIRDER, TOE NAIL	(3) – 8d
BLOCKING TO JOIST, EACH END	(2) – 16d
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d AT 16" O.C.
TOP PLATE TO STUD, END NAIL	(2) – 16d
STUD TO SOLE PLATE, TOE NAIL	(4) – 8d
DOUBLE STUDS, FACE NAIL	16d AT 24" O.C.
DOUBLE TOP PLATES, FACE NAIL	16d AT 16" O.C.
TOP PLATES, LAPS & INTERSECTIONS, FACE NAIL	(4) – 16d (OR AS SPECIFIED)
CONTINUOUS HEADER, TWO PIECES	16d @ 16" (ALONG EA. EDGE)
CEILING JOISTS TO PLATE, TOE NAIL	(3) – 8d
CONT. HEADER TO STUD, TOE NAIL	(4) – 8d
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	(3) –16d
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	(3) – 16d
RAFTER TO PLATE, TOE NAIL	(3) – 8d
1" BRACE TO EA. STUD & PLATE, FACE NAIL	(2) – 8d (OR AS SPECIFIED)
BUILT-UP CORNER STUDS	16d AT 24" O.C.
BUILT-UP GIRDERS & BEAMS	20d @ 32" O.C. (TOP & BOTT. AND STAGGERED) (2) – 20d @ ENDS
PLYWOOD FLOOR & ROOF SHEATHING	10d (SEE NOTES 3 & 4)

NOTES:
1) MINIMUM NAILING ONLY. SEE DETAILS FOR LOCATIONS WHERE OTHER NAILING IS SPECIFIED.
2) COMMON NAILS TO BE USED THROUGHOUT U.N.O.
3) COMMON OR PLYWOOD NAILS.
4) NAILS SPACED AT 6"O.C. AT EDGES, 12"O.C. AT INTERMEDIATE SUPPORTS (10"O.C. AT INTERMEDIATE SUPPORTS FOR FLOORS).

7



NOTES:
1. ALL CHORD HORIZONTAL BARS AT FLOOR OR ROOF LEDGERS SHALL BE CONTINUOUS ACROSS C.J.
2. LOCATE JOINTS AT INTERVAL NOT TO EXCEED 16'-0" UNLESS APPROVED BY E.O.R.
3. DO NOT PLACE CRACK CONTROL JOINTS ANYWHERE ALONG THE LENGTH OF LINTELS

MASONRY CRACK CONTROL JOINT
Scale: N.T.S.

3

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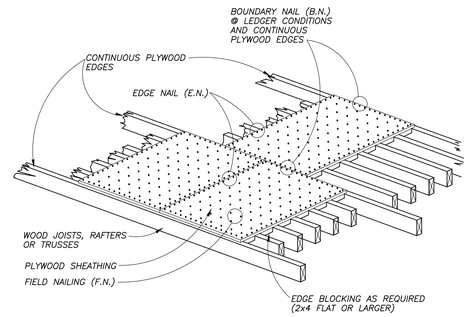
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SHEET TITLE TYPICAL DETAILS

SHEET
S-102

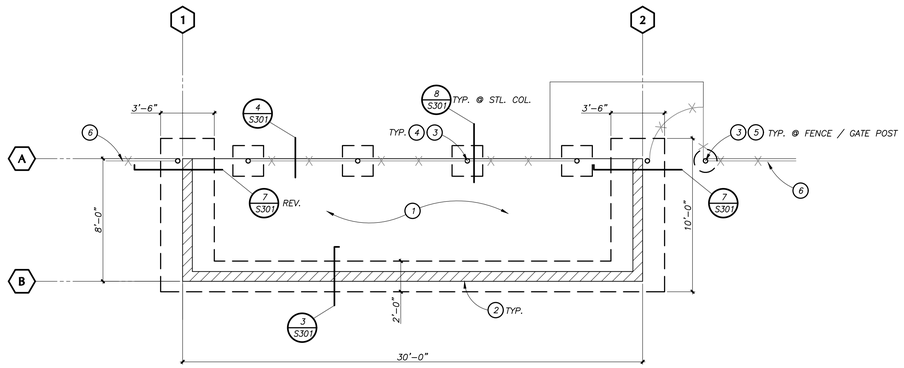
16 12



NOTE:
PROVIDE ONE PLYCLIP BETWEEN EACH JOIST, RAFTER OR TRUSS @ ALL UNBLOCKED EDGES, UNLESS USING T&G PLYWOOD SHEATHING

TYPICAL PLYWOOD NAILING
NO SCALE

8 4



DUGOUT FOUNDATION PLAN

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

FOUNDATION PLAN NOTES:

A. REFER TO GENERAL NOTES SHEET **S-001**.
B. ALL FOOTINGS ARE CENTERED UNDER COLUMNS AND BEARING WALLS UNLESS NOTED OTHERWISE ON PLANS AND DETAILS.
C. SEE ARCHITECTURAL PLANS FOR LOCATIONS OF ALL WALL OPENINGS, SLOPED AND DEPRESSED SLABS, CONCRETE CURBS, ADDITIONAL EMBEDDED ITEMS NOT SHOWN ON THESE DRAWINGS. VERIFY ALL BUILDING DIMENSIONS, SLOPES AND DEPRESSED SLAB DIMENSIONS WITH ARCHITECTURAL PLANS BEFORE BEGINNING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR RESOLUTION.
D. SEE GENERAL NOTES AND FOR SPECIAL GRADING REQUIREMENTS UNDER FOOTINGS.
E. REINFORCEMENT OF ALL 8" MASONRY WALLS SHALL BE #5 VERTICAL BARS @ 16" O.C. AND #4 HORIZONTAL BARS @ 16" O.C. REFER TO PLANS AND DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
F. UNLESS SPECIFICALLY NOTED ON THE PLANS, FLOOR SLABS OR MASONRY WALLS SHALL NOT BE CORE-DRILLED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
G. FLOORS ARE 6" THICK CONCRETE SLABS-ON-GRADE w/ #4 @ 16" o.c. EA. WAY. SLABS BOTTOMED ON SOILS SHALL BE UNDERLAIN WITH 4" SAND AND VAPOR BARRIER PER DETAIL **4/S-101**. ALL REINFORCING SHALL BE CENTERED IN SLAB, AND SUPPORTED ON MASONRY BLOCKS AT 4'-0" o.c. MAX.

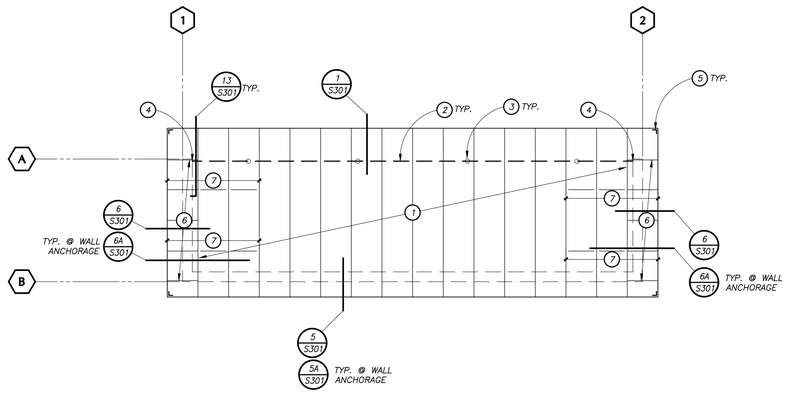
FOUNDATION PLAN KEYED NOTES:

1. REINF. CONC. SLAB-ON-GRADE PER PLAN NOTE **G**.
2. 8" CMU WALL w/ REINF. PER PLAN NOTE **E**. REF. TO DET. **2/S-102** FOR C.J. MIN. REQUIREMENT
3. STL. FENCE POST AS OCCURS PER LANDSCAPING DRAWINGS. **PIPE 3 STD.** MIN.
4. 2'-0" SQ. CONC. PAD CENTERED STL. COL. TYP. REF. TO DET. **8/S-301** FOR MORE INFO.
5. 18" ø CONC. CAISSON CENTERED STL. COL. TYP. REF. TO DET. **12/S-301** FOR MORE INFO.
6. FENCE PER LANDSCAPING DRAWINGS

LEGEND

8" CMU WALL

CONC. FOOTING



DUGOUT ROOF FRAMING PLAN

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

ROOF FRAMING PLAN NOTES:

A. REFER TO GENERAL NOTES SHEET S0.0.
B. ROOF SHEATHING SHALL BE 5/8" PLYWOOD WITH A PANEL IDENTIFICATION INDEX OF 32/16. PLACE FACE GRAIN PERPENDICULAR TO SUPPORTS. BLOCK ALL PLYWOOD PANEL EDGES w/ 2x4 FLAT BLOCK w/ E.N. UNLESS NOTED OTHERWISE ON THE DRAWINGS:
   E.N. (EDGE NAILING) = 10d @ 6" O.C.
   F.N. (FIELD NAILING) = 10d @ 12" O.C.
C. UNLESS SPECIFICALLY NOTED ON THE PLANS, FRAMING SHALL NOT BE CUT OR RELOCATED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
D. "M.L." INDICATES MASONRY LINTEL BELOW.
E. UNLESS SPECIFICALLY NOTED ON THE PLANS, ROOF SLABS OR MASONRY WALLS SHALL NOT BE CORE-DRILLED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
F. LOADS:
   DEAD LOAD = 8 psf
   LIVE LOAD = 20 psf
G. DO NOT OVER CUT AT NOTCHES IN FRAMING.
H. REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF PLYWOOD ELEVATIONS, LOCATIONS OF RECESSED DRAIN PANS, HATCHES AND OTHER MISCELLANEOUS ITEMS. COORDINATE WITH FRAMING.
I. ANY ADDED MECHANICAL UNITS ON (E) ROOF FRAMING SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

ROOF PLAN KEYED NOTES:

1. 2x6 ROOF RAFTERS @ 24" o.c.
2. 4x10 P.T.D.F. WOOD BEAM TYP. ALONG GRIDLINE A
3. SIMP. CCO FROM WOOD BEAM TO STL. COL. TYP. REF. TO DETAILS. **1&2/S-301** FOR MORE INFO.
4. CONNECT BEAM TO CMU WALL 3x NAILER w/ SIMP. WP TOP FLANGE OFFSET HANGER
5. SIMP. A35 2x FASCIA TO 2x FASCIA, TYP. @ 4 CORNERS
6. 2x6 BLK'G. @ 24" o.c. w/ SIMP. U HANGER TO 2x ROOF JOIST BEYOND
7. 2x6 BLK'G. (3 BAYS) w/ (2) SIMP. ST12 OR SIMP. CS16 x 6'-0" PER **6A/S-301**

LEGEND

8" CMU WALL BELOW

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ENGINEER'S STAMP & SIGNATURE



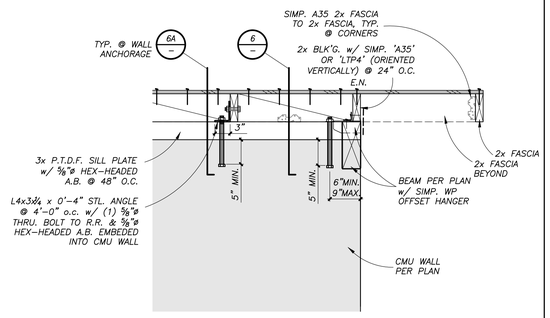
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1	-	-/-/-	XX

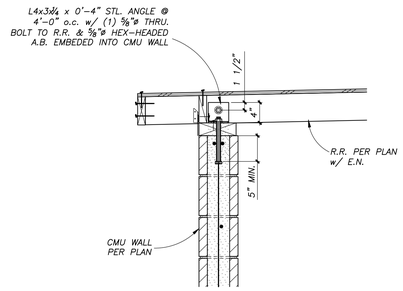
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CHECKED GHS
DATE 01/02/2024
JOB. NO. SWA 23086

SHEET TITLE FOUNDATION & ROOF FRAMING PLANS

SHEET
S-201



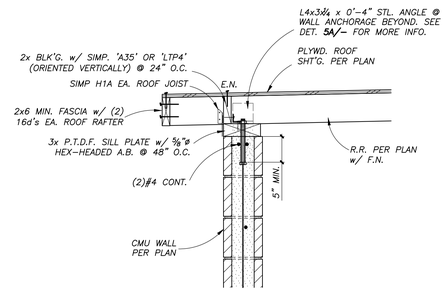
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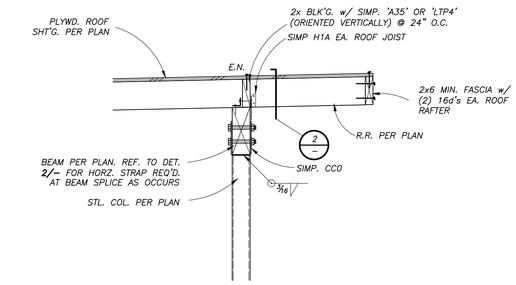
5A

@ WALL ANCHORAGE

NOTE: REF. TO DET. 5/— FOR INFO. NOT SHOWN

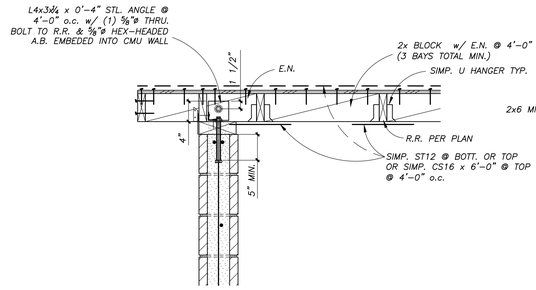


5A 5



1

14

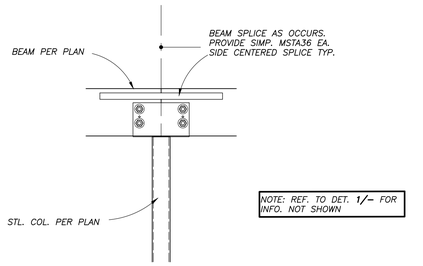


6A

@ WALL ANCHORAGE

NOTE: REF. TO DET. 6/— FOR INFO. NOT SHOWN

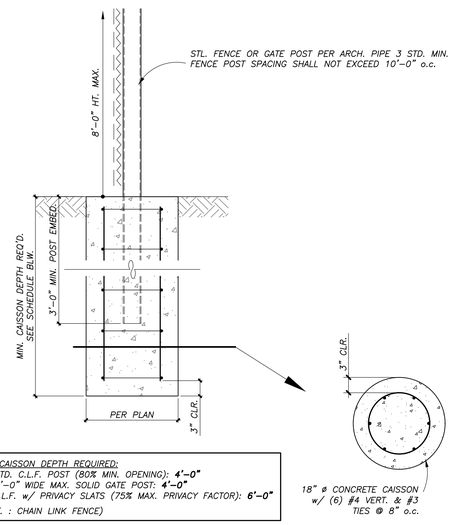
6A 6



NOTE: REF. TO DET. 1/— FOR INFO. NOT SHOWN

2

15



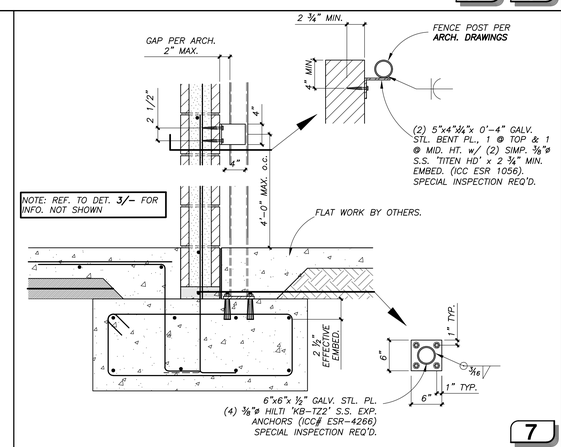
MIN. CAISSON DEPTH REQUIRED:
- STD. C.L.F. POST (80% MIN. OPENING): **4'-0"**
- 4'-0" WIDE MAX. SOLID GATE POST: **4'-0"**
- C.L.F. w/ PRIVACY SLATS (75% MAX. PRIVACY FACTOR): **6'-0"**

(C.L.F. : CHAIN LINK FENCE)

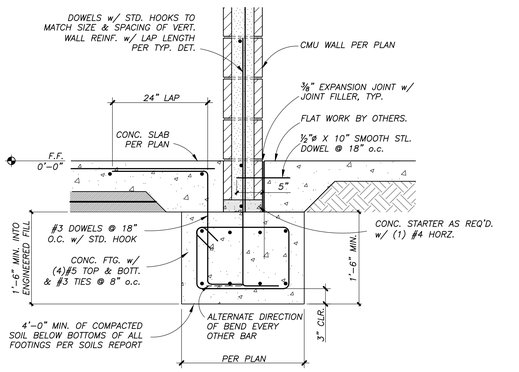
TYP. FENCE POST FOOTING

NO SCALE

NOTE:
REF. TO ARCH. DRAWINGS FOR MORE INFO.

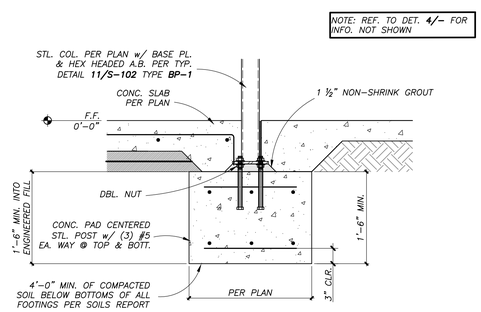


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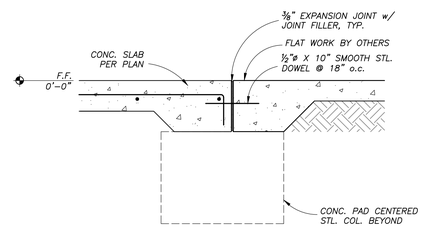


3

16



8



4

12

DSA STAMP & SIGNATURE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123899 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/05/2024

VENTURA UNIFIED SCHOOL DISTRICT
VENTURA HIGH SCHOOL
2 NORTH CATALINA STREET, VENTURA, CA 93001
GIRLS SOFTBALL IMPROVEMENTS

KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA
199 FIGUEROA ST. SUITE 100A VENTURA CA 93001
TELEPHONE (805) 650-1033 WWW.KBZARCH.COM

TODD A. JESPERSEN, AIA
PRINCIPAL-IN-CHARGE

JONATHAN D. LEE
PROJECT MANAGER

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ARCHITECT'S STAMP & SIGNATURE

REGISTERED ARCHITECT TODD A. JESPERSEN No. C-25839 Ren. 08/31/2025 STATE OF CALIFORNIA

ENGINEER'S STAMP & SIGNATURE

PROFESSIONAL ENGINEER JONATHAN D. LEE No. 4981 STATE OF CALIFORNIA

CONSULTANT INFORMATION

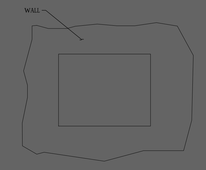
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5	-	-/-/-	XX
4	-	-/-/-	XX
3	-	-/-/-	XX
2	-	-/-/-	XX
1	-	-/-/-	XX

DRAWN VB
CHECKED GHS
DATE 01/02/2024
JOB. NO. SWA 23086

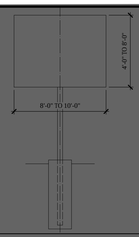
SHEET TITLE STRUCTURAL DETAILS

SHEET S-301

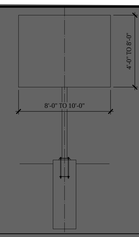
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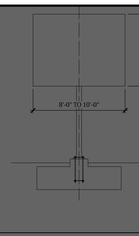
INDOOR WALL MOUNTED ASSEMBLY
SHEETS: SB0.1, SB0.2, SB6.1



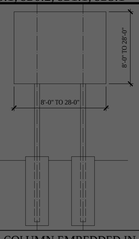
MARQUEE: COLUMN EMBEDDED IN CAISSON
SHEETS: SB0.1, SB0.2, SB1.1, SB5.1



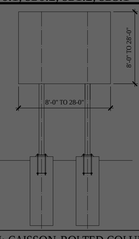
MARQUEE: CAISSON-BOLTED COLUMN
SHEETS: SB0.1, SB0.2, SB1.2, SB5.1



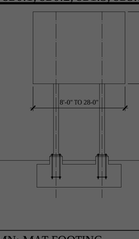
MARQUEE: MAT FOOTING
SHEETS: SB0.1, SB0.2, SB1.3, SB5.1



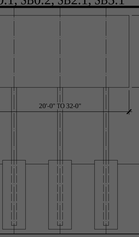
2 COLUMN: COLUMN EMBEDDED IN CAISSON
SHEETS: SB0.1, SB0.2, SB2.1, SB5.1



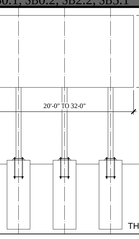
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SHEETS: SB0.1, SB0.2, SB2.2, SB5.1



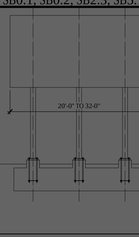
2 COLUMN: MAT FOOTING
SHEETS: SB0.1, SB0.2, SB2.3, SB5.1



3 COLUMN: COLUMN EMBEDDED IN CAISSON
SHEETS: SB0.1, SB0.2, SB3.1, SB5.1



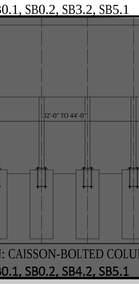
3 COLUMN: CAISSON-BOLTED COLUMN
SHEETS: SB0.1, SB0.2, SB3.2, SB5.1



3 COLUMN: MAT FOOTING
SHEETS: SB0.1, SB0.2, SB3.3, SB5.1



4 COLUMN: COLUMN EMBEDDED IN CAISSON
SHEETS: SB0.1, SB0.2, SB4.1, SB5.1



4 COLUMN: CAISSON-BOLTED COLUMN
SHEETS: SB0.1, SB0.2, SB4.2, SB5.1



4 COLUMN: MAT FOOTING
SHEETS: SB0.1, SB0.2, SB4.3, SB5.1

TABLE C - SITE SPECIFIC SEISMIC AND WIND VALUES

EARTHQUAKE DESIGN DATA	MAXIMUM		SITE SPECIFIC
Mapped Spectral Response Accelerations (Maximum)	S_S= 3.73 g S_1= 1.0 g	≥ ≥	S_S= 1.982 g S_1= 0.746 g
Site Class	D		D
Spectral Response Coefficients (Maximum) *see supporting docs	S_{MS}= 2.49 g S_{M1}= 1.0 g	≥ ✓*	S_{MS}=1.199 g S_{M1}=1.925* g
Wind Design Data	Value		Value
Design Wind Speed (3-sec gust), V_{ULT}	100 mph	≥	93 mph
Exposure Category	C		C

TABLE D - SITE FLOOD ZONE

THIS SECTION NOT REQUIRED IF SITE IS IN FLOOD ZONE X

Geotechnical Engineer: N/R

Letter Dated:

TABLE B - STRUCTURAL DESIGN VALUES

All values reported are unfactored and strength level, unless noted otherwise

Gravity Design Data	Value
Dead Loads:	
Sign Dead Load	PER SCHEDULE
Snow Loads:	
Ground Snow Load, P_g (Maximum)	30 psf
Deflection Criteria:	
Sign, Wind Load	H/240
Wind Design Data	**Value**
Design Wind Speed (3-sec gust), V_{ULT}	100 mph
Design Wind Speed (3-sec gust), V_{ASD}	77 mph
Risk Category	II
Exposure Category	C
Applicable Internal Pressure Coefficient	± 0.18
Design Wind Pressure(s) for Components & Cladding (Not specifically designed by the Registered Design Professional, and to be modified by applicable factors per ASCE 7)	q_h=21.8xK_z psf K_zVARIES
Earthquake Design Data	**Value**
Risk Category	II
Importance Factor, I$_e$	1.0
Mapped Spectral Response Accelerations (Maximum)	S_S= 3.73 g S_1= 1.0 g
Site Class	A through E
Spectral Response Coefficients (Maximum)	S_{MS}= 2.49 g S_{M1}= 1.0 g
Seismic Design Category	E
Analysis Procedure Used	Equivalent Lateral Force Procedure (ASCE 7, 12.8)
Basic Seismic-Force Resisting System	Non-Building Structure, ASCE 7-16 Chapter 15
Response Modification Factor, Signs and Billboards Table 15.4-2	R= 3.0
Seismic Response Coefficient	C_s= 0.83
Design Base Shear	$V = C_S w_D$

Flood Design

When the scoreboard is located in a flood zone other than Zone X, a letter stamped and signed from a Geotechnical Engineer is needed to validate allowable soil values specified in the PC are still applicable.

Geotechnical Design Data	Value
Geotechnical Design Based on: 2022 California Building Code, Chapter 18A, Table 1806.A.2 (Class 5 Material)	
Allowable Soil Bearing Pressure (DL + LL)	1,500 psf
Design Passive Pressure, P_p (Tabular value has been increased per CBC Section 1806A.3.4 for pier design)	100 pcf
Design Skin Friction, f_4	100 psf

SCOREBOARD ASSEMBLY WORKSHEET (TABLE A, C & D) INSTRUCTIONS

STEP 1: DETERMINE DESIRED SCOREBOARD ASSEMBLY. FILL OUT SCOREBOARD ASSEMBLY TABLE (TABLE A BELOW). PROVIDE NEVCO PART NUMBERS, PART HEIGHT, PART WIDTH, AND PART WEIGHTS.

STEP 2: DETERMINE TOTAL ASSEMBLY HEIGHT, WIDTH, AND WEIGHT, TABLE A

STEP 3: BASED ON TOTAL ASSEMBLY WIDTH, DETERMINE THE NUMBER OF REQUIRED COLUMNS.
SEE SHEETS SB1.X FOR 1 COLUMN ASSEMBLY OPTIONS
SB2.X FOR 2 COLUMN ASSEMBLY OPTIONS
SB3.X FOR 3 COLUMN ASSEMBLY OPTIONS
SB4.X FOR 4 COLUMN ASSEMBLY OPTIONS
SB6.1 FOR WALL MOUNTED ASSEMBLY OPTIONS (SKIP STEPS 4, 5, & 7)

STEP 4: PICK FOUNDATION TYPE (CAISSON WITH EMBEDDED COLUMN, CAISSON WITH BOLTED COLUMN, OR MAT FOOTING) . MARK APPLICABLE SHEET ON SHEET INDEX, SB0.1

STEP 5: MARK APPLICABLE CHECK BOX FOR SCOREBAORD SIZE ON DETAIL 'A' OF SELECTED COLUMN/FOUNDATION OPTION (SHEETS SB1.X, SB2.X, SB3.X OR SB4.X)

STEP 6: FILL IN SITE SPECIFIC SEISMIC AND WIND VALUES TABLE C ON SB0.1.

STEP 7: FILL IN SITE SPECIFIC FLOOD ZONE AS REQUIRED, TABLE D ON SB0.1

STEP 8: VERIFY ALL APPLICABLE SHEETS ARE MARKED ON SHEET INDEX, SB0.1. INCLUDE ONLY MARKED SHEETS AS PART OF DSA SUBMITTAL

SITE SPECIFIC SUBMITTAL REQUIREMENTS

SEE DSA POLICY PL 07-02 FOR ADDITIONAL INSTRUCTIONS REGARDING USE AND APPLICATION OF THIS PRE-CHECK DOCUMENT. ALL SITE SPECIFIC SUBMITTALS SHALL INCLUDE:

1. COMPLETED DSA 1 APPLICATION, DSA3, DSA 103, AND FILING FEE AND COPY OF THE PRE-CHECK DOCUMENT WITH APPLICABLE DESIGN OPTION MARKED ON THE MARQUEE, TWO COLUMN, THREE COLUMN, FOUR COLUMN, OR WALL ASSEMBLY SCHEDULES.
2. SITE PLAN OF FACILITY IDENTIFYING ALL STRUCTURES BY DSA APPLICATION NUMBER. LOCATION OF SCOREBOARD SHALL BE IDENTIFIED. ELECTRICAL PANEL SERVING THE SCOREBOARD SHALL BE LOCATED AND IDENTIFIED.
3. WHERE WIRELESS CONTROLLERS ARE NOT SPECIFIED, AN ACCESSIBLE PATH OF TRAVEL AND ACCESSIBLE SEATING FOR THE SCOREBOARD OPERATOR SHALL BE IDENTIFIED AND PROVIDED.
4. PROVIDE AN ELEVATION OF PROPOSED SCOREBOARD IDENTIFYING ALL INSTALLED DISPLAY COMPONENTS, SIGNAGE, TRUSSES, AND ADDITIONAL COMPONENTS IN THE PRE-CHECK DOCUMENT. ALL ELEMENT WEIGHTS SHALL BE SPECIFIED.
5. THE APPLICABLE SHEETS SHALL BE IDENTIFIED BY MARKING APPROPRIATE CHECK BOX ON THIS SHEET.
6. THE APPLICABLE CONFIGURATION SHALL BE IDENTIFIED BY MARKING APPROPRIATE CHECK BOX ON THE 'A' DETAILS ON THE APPLICABLE SHEET.
7. PROVIDE CUT SHEETS OF THE BOARDS, BOXES, AND EQUIPMENT TO BE MOUNTED ON THE STRUCTURE. CUT SHEETS SHALL INCLUDE WEIGHTS AND DIMENSIONS
8. SITE SPECIFIC SEISMIC DESIGN CRITERIA SHALL BE PROVIDED IN THE DRAWINGS.
9. SITE SPECIFIC BASIC DESIGN WINDSPEED AND SITE EXPOSURE SHALL BE PROVIDED ON THE DRAWINGS, SEE TABLE C.
10. STEEL COATING SPECIFICATIONS FOR WEATHER PROTECTION IF DIFFERENT THAN NOTED ON SB0.3
11. A GEOHAZARD REPORT IS NOT REQUIRED PER IR A-4.13. IF A SCOREBOARD IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED BY A GEOTECHNICAL ENGINEER IS REQUIRED VALIDATING THE ALLOWABLE SOIL VALUES, PROVIDE INFORMATION IN TABLE D.
12. PROVIDE A SITE SPECIFIC DESIGN FOR STRUCTURES THAT DO NOT MEET THE MINIMUM SETBACK REQUIREMENTS.
13. PROVIDE A SITE SPECIFIC DESIGN FOR STRUCTURES LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F.
14. FOR WALL MOUNTED ASSEMBLIES (SB6.1), STRUCTURAL ANALYSIS AND JUSTIFICATION THAT THE WALL FRAMING IS CAPABLE OF SUPPORTING THE ASSEMBLY FOR VERTICAL AND LATERAL LOADS.

TABLE A - SCOREBOARD ASSEMBLY WORKSHEET (1)

Nevco Part No.or Description	Part Height [ft.]	Part Width [ft]	Part Weight [lb]
3685-IC SCOREBOARD	8	24	740
ADO 24-2 NON-LIT SIGN	2	24	106
Total			

TOTAL ASSEMBLY DIMENSIONS & WEIGHT (2)

Total Assembly Height =	10 ft. 0 in.		
Total Assembly Width =	24 ft. 0 in.		
Total Assembly Weight =	846 lbs.		
Distance from Finish Grade to Bottom of Sign =	10 ft. 0 in.	Total Height = Total Assembly Height + Distance from Finish Grade to Bottom of Sign =	20 ft. 0 in.

SCOREBOARD ASSEMBLY FOOTNOTES

1. Verify part number, dimensions, and weight with Nevco
2. See Step 3 of Scoreboard Assembly Worksheet Instructions

CHECK ALL THAT APPLY	SHEET INDEX	
■ (REQ'D)	SB0.1	COVER SHEET
■ (REQ'D)	SB0.2	STRUCTURAL NOTES
■	SB0.3	EXAMPLE DSA 103 - TESTING AND INSPECTIONS
☐	SB1.1	MARQUEE CAISSON - EMBEDDED
☐	SB1.2	MARQUEE CAISSON - BOLTED
☐	SB1.3	MARQUEE MAT FOOTING
☐	SB2.1	TWO COLUMN CAISSON - EMBEDDED
☐	SB2.2	TWO COLUMN CAISSON - BOLTED
☐	SB2.3	TWO COLUMN MAT FOOTING
☐	SB3.1	THREE COLUMN CAISSON - EMBEDDED
●	SB3.2	THREE COLUMN CAISSON - BOLTED
☐	SB3.3	THREE COLUMN MAT FOOTING
☐	SB4.1	FOUR COLUMN CAISSON - EMBEDDED
☐	SB4.2	FOUR COLUMN CAISSON - BOLTED
☐	SB4.3	FOUR COLUMN MAT FOOTING
●	SB5.1	ATTACHMENT DETAILS
☐	SB5.2	OPTIONAL SCOREBOARD FEATURE ATTACHMENT DETAILS
☐	SB5.3	DECORATIVE ALUMINUM TRUSS ATTACHMENT DETAILS
☐	SB5.4	DECORATIVE ALUMINUM TRUSS ATTACHMENT DETAILS & 10mm VIDEO BOARD
☐	SB6.1	INDOOR WALL MOUNTED SCOREBOARD

CODE INFORMATION

2022 CALIFORNIA BUILDING STANDARDS CODE (TITLE 24, CCR):

2022 ADMINISTRATIVE CODE, PART 1, TITLE 24 CODE OF REGULATIONS (CCR)
2022 CALIFORNIA BUILDING CODE VOLUMES 1 &2, PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 CCR
2022 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 CCR
2022 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 CCR
2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR

REFERENCED CODE SECTIONS FOR APPLICABLE STANDARDS:
2022 CALIFORNIA BUILDING CODE, CHAPTER 35
2022 CALIFORNIA FIRE CODE, CHAPTER 80

GENERAL NOTES AND MATERIAL SPECIFICATIONS

GENERAL REQUIREMENTS

1. THE ARCHITECT OR PROFESSIONAL ENGINEER IN GENERAL RESPONSIBLE CHARGE SHALL SIGN AND SEAL ALL DRAWINGS AND SPECIFICATIONS PER TITLE 24, PART 1, SECTIONS 4-316(E) AND 4-317 (H).
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA, OR CONSTRUCTION CHANGE DOCUMENTS APPROVED BY THE DIVISION OF THE STATE ARCHITECT (DSA), AS REQUIRED BY TITLE 24, PART 1, SECTION 4-338.
3. THE DISTRICT SHALL EMPLOY A CLASS 2 PROJECT INSPECTOR WHEN OVERALL STRUCTURE HEIGHT IS 35 FEET OR GREATER, OTHERWISE A CLASS 3 PROJECT INSPECTOR MAY BE USED. THE PROJECT INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK , AND SHALL SUBMIT VERIFIED REPORTS ON A DSA-6 FORM. THE DUTIES OF THE PROJECT INSPECTION ARE DEFINED IN TITLE 24, PART 1, SECTION 4-342.
4. ALL SCOREBOARD CONTROLS SHALL BE FULLY ACCESSIBLE VIA WIRELESS CONTROL OR COMPLETE DESIGN SHALL BE DEMONSTRATED IN THE SITE-SPECIFIC APPLICATION.
5. ALL ASSEMBLIES SHALL HAVE ELECTRICAL DISCONNECT PER CEC 600.6 AND BE ELECTRICALLY GROUNDED PER CEC 600.7, SEE DETAIL B/SB5.1
6. IN FLOOD ZONES, LOCATION OF ELECTRICAL ELEMENTS SHALL CONFORM TO ASCE 24, SECTION 7.2 PER DSA PR-14-01 SECTION 1.2.1.
7. SEE PAGE, SB0.2, FOR ALL MATERIAL SPECIFICATIONS AND NOTES.
8. PROJECT DESIGN PROFESSIONAL OF RECORD IS RESPONSIBLE FOR PREPARATION OF THE PROJECT SPECIFIC DSA 103 AND IS RESPONSIBLE FOR ALL SHOP DRAWING AND SUBMITTAL REVIEWS. SEE SB0.3 FOR EXAMPLE DSA 103

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123899 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/05/2024

SSG structural engineers

REGISTERED PROFESSIONAL ENGINEER
MARC L. FORGEN
No. 5405
STRUCTURAL
STATE OF CALIFORNIA
DATE SIGNED: 08.09.2023
PC SEOR SEAL

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THANK YOU FOR YOUR INTEREST IN NEVCO SCOREBOARD PRODUCTS

NEVCO
301 East Harris Avenue, Greenville, Illinois 62246
Phone: (618) 664-0360
www.nevco.com

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122317 - PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/20/2023
DSA STAMP

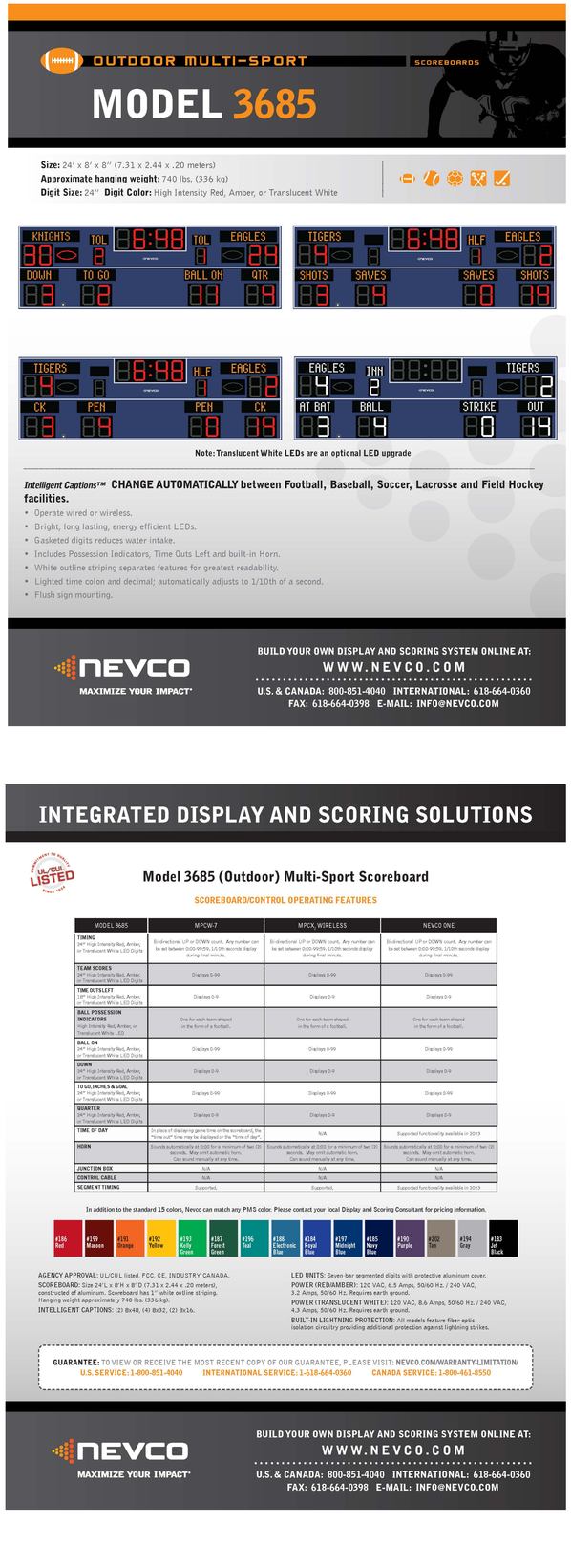
PRE-CHECK (PC) DOCUMENT
CODE: 2022

A separate project application
for construction is required.

COVER SHEET

SHEET INFORMATION

DATE	08.09.2023
DRAWN	JMK
CHECKED	MEP
SSG JOB #	S23109
SHEET	SB0.1



STRUCTURAL NOTES

GENERAL NOTES

1. The following notes, typical details and schedules shall apply to all phases of this project unless otherwise shown or noted.
2. Specific notes and details shall take precedence over general notes and typical details.
3. All materials and workmanship shall conform to the minimum standards of the 2022 edition Title 24 of the California Building Code (CBC) and such other regulating agencies exercising authority over any portion of the work. The contractor shall have a current copy of the CBC on the job site.
4. The "Contract or Construction Documents" shall consist of these notes, details, schedules, plans, and drawings.
5. All specifications, including but not limited to materials and products, shall be those put forth in the "Contract or Construction Documents". No substitutions shall be permitted to be used or assumed to be used in the bidding or construction process without written approval by the Structural Engineer of Record.
6. The contractor shall examine the "Contract or Construction Documents" and shall notify the Architect or Structural Engineer of Record of any discrepancies he may find before proceeding with the work.
7. All information on existing conditions shown on drawings are based on best present knowledge available, but without guarantee of accuracy. The Contractor shall verify and be responsible for all dimensions and conditions at the site and shall notify the Architect or Structural Engineer of Record of any discrepancies between actual site conditions and information shown on or in the "Contract or Construction Documents" before proceeding with work.
8. The Contractor shall immediately notify the Architect or Structural Engineer of Record of any condition which in his opinion might endanger the stability of the structure or cause distress of the structure.
9. All work shall conform to the best practice prevailing in the various trades comprising work. The Contractor shall be responsible for coordinating the work of all trades.
10. These "Contract or Construction Documents" represent the finished structure, and do not indicate the method of construction. The Contractor shall supervise and direct the work and shall be solely responsible for construction means, methods, techniques, sequences and procedures.
11. Inspection and approval for fabricator's shops used for fabrication of structural load bearing members, components, materials or assemblies shall conform to CBC Section 1704A.2.5.
    A. Labeling (as required or specified) shall be provided in accordance with CBC Section 1703A.5.
    B. Evaluation and follow-up inspection services (as required or specified), shall conform to CBC Section 1703A.6.
12. The Contractor shall provide temporary bracing and shoring for all structural members as required for structural stability of the structure during all phases of construction.
13. The Contractor shall take all steps necessary to ensure proper alignment of the structure after the installation of all structural and finish materials. This shall include any necessary preloading of the structure to determine final position of the completed work.
14. Observation visits to the project site by field representatives of Architect and/or Structural Engineer of Record (support services) shall not include inspections of safety or protective measures, nor construction procedures, techniques or methods. Any support services performed by Architect or Structural Engineer of Record during any phase of construction, shall be distinguished from continuous and detailed inspection services (as required by any regulating governmental agency, e.g. the Authority Having Jurisdiction) provided by others, these support services, whether of material or work, are performed solely for the purpose of assisting in quality control and in achieving conformance with contract documents, but do not guarantee Contractor's performance and shall not be construed as supervision of construction.
15. These notes, details, drawings and specifications (Contract or Construction Documents) do not carry necessary provisions for construction safety. These documents and all phases of construction hereby contemplated are to be governed, at all times, by applicable provisions of the current California Occupational Safety and Health Act.
16. Where any conflict occurs between the requirements of federal, state and local laws, codes, ordinances, rules and regulations, the most stringent shall govern.
17. Written dimensions shall have precedence over scaled dimensions.
18. Drawings (notes, schedules, details and plans) shall have precedence over Structural Calculations.
19. In the event that certain features of the construction are not fully shown on the drawings or called for in the General Notes or Specifications, then their construction shall be of the same character as for similar conditions that are shown or called for.
20. ASTM designation and all standards refer to the latest amendments.
21. These structural "Contract or Construction Documents" shall not be modified without prior written approval of the Structural Engineer of Record.
22. Only structural working drawings approved by the Division of the State Architecture permitted to be used for construction on this project. All other drawings or documents are obsolete and are not permitted on the job site, nor shall they be used for any construction purposes. Contractors using unapproved drawings or documents are solely responsible for all work not performed in accordance with the "approved" drawings.
23. A Division of the State Architect certified project inspector employed by the District (Owner) and approved by the Division of the State Architect shall provide continuous inspection of the work. The duties of the inspector are defined in Section 4-342, Part 1, Title 24 California Code of Regulations.

FOUNDATION NOTES

1. Basis: See Structural Design Values Chart, Sheet SB0.1 Table B
2. Unexpected soil conditions: Allowable values and foundation design are based upon the minimum values provided in Table 1806A.2 of the 2022 California Building Code. See SB0.1 for values
3. Excavate to required depths and dimensions (as indicated in drawings), cut square and smooth with firm level bottoms. Care shall be taken not to over-excavate foundation at lower elevation and prevent disturbing of soils around higher elevation.
4. Footings shall be poured in neat excavations, without side forms whenever possible.
5. Carry all foundations to required depths into compacted fill or natural soil (as per Structural Plans and Details).
6. All foundation excavations shall be inspected and approved by the Inspector of Record or Geotechnical Engineer prior to forming and placement of reinforcing or concrete.
7. Foundations shall not be poured until all required reinforcing steel, sleeves, inserts, conduits, pipes, etc. and formwork is properly placed and inspected by the Authority having Jurisdiction.
8. The sides and bottoms of excavations which are to have concrete contact must be moistened several times just prior to pouring upon them.
9. De-water footings, as required, to maintain dry working conditions.

REINFORCING STEEL

1. All reinforcing steel shall be deformed intermediate grade bars conforming to ASTM A615, Grade 60 (f_y = 60 ksi) unless noted otherwise.
2. Reinforcing steel shall not be welded, unless specifically noted otherwise.
3. To hold reinforcing bars in their true position and prevent displacement, standard tie and anchorage devices must be provided. Placing of reinforcement shall conform to ACI 318-19 Section 26.6.2.
4. Shop drawings for fabrication of any reinforcing steel shall be approved by Contractor and submitted to Project Specific Architect or Project Specific Structural Engineer of Record, for their review, prior to fabrication.
5. Refer to typical details for minimum splice length and minimum radius of bend of reinforcing steel.
6. All reinforcing steel splices shall be staggered 24", unless specifically noted or detailed otherwise.
7. All reinforcing bar bends shall be made cold.
8. Fabrication, erection and placement of reinforcing steel shall conform to Concrete Reinforcing Steel Institute of Standard Practice.
9. Reinforcing steel shall be clean of rust, grease or other material likely to impair bond.

CONCRETE

1. All concrete shall have a minimum ultimate compressive strength (f'_c) as outlined below at 28 days. All concrete shall be regular weight (unless specifically noted otherwise).
    A. Concrete for footings: 4,500 psi w/c = 0.45 max.
2. Maximum Fly Ash content shall be 15%, by weight, of total cementitious materials and shall conform to ASTM C618.
3. All concrete work shall comply with CBC Chapter 19A and ACI 318-19 and latest edition of ACI Manual of Concrete Practice.
4. Special Inspection (as required or specified) shall conform to CBC Chapter 17A.
5. Cement shall be portland cement Type V and shall conform to ASTM C150.
6. Aggregates shall conform to ASTM C33, provide aggregates from a single source.
7. Water shall conform to ASTM C94 and be potable.
8. Where not specifically detailed, the minimum concrete cover on reinforcing steel shall be:
    A. Concrete cast against and permanently exposed to earth or weather: 3"
10. All reinforcing steel, anchor bolts, dowels, inserts and any other hardware to be set in concrete shall be well secured in position prior to pouring of concrete.
11. Vibrate all concrete as it is placed, with a mechanical vibrator operated by experienced personnel. The vibrator shall be used to consolidate the concrete, not transport it. Reinforcing and forms shall not be vibrated.
12. Formwork design and removal shall conform to ACI 318-19 Section 26.11. Remove forms in accordance with the following minimum schedule:
    A. Side forms of footings: Minimum 48 hours
    B. Column and pier forms: 72 hours & 70% of design strength
15. Concrete shall not free fall more than six feet. Use tremie, pump or other approved methods.
16. Concrete shall be maintained in a moist condition for a minimum of 5 days after placement.
17. The Contractor may use concrete admixtures as a construction means and methods to execute "Contract or Construction Documents". Use of admixture is solely the responsibility of the Contractor.
18. Mix designs shall be prepared by an approved testing laboratory, signed by a licensed engineer and shall be submitted to the Project Specific Design Professional of Record for approval. SSG is not responsible for review or approval of site specific concrete mix design.
19. Only one grade of concrete shall be allowed on project site at any one time
20. Concrete strength shall be verified by standard cylinder tests (in accordance with CBC Section 1905A.1.16) made by an approved testing laboratory.
21. Concrete placed when the air temperature has fallen to, or is expected to fall below 40° shall conform to ACI 318-19 Section 26.5.4, and ACI 306R-16.
22. Concrete placed during hot weather shall conform to ACI 318-19 Section 26.5.5, and ACI 305R-14.
23. Conduits and sleeves placed within structural concrete shall not be tied directly to structural reinforcement.
    A. 1" concrete cover shall be maintained around all reinforcement.
24. No stakes shall be permitted within the footing section.
25. Concrete shall reach minimum 75% design strength or cure for 3 days minimum prior to installation of steel columns and scoreboard components.

DRILLED CAISSON/PIER AND GRADE BEAM NOTES

1. Excavations for drilled caissons/pier shall be performed in compliance with local grading codes and ordinances as well as CBC Chapters 18A and 33A.
2. Provide Special Inspection in accordance with CBC Section 1705A.8 and Table 1705A.8.
3. Excavations for all drilled caissons/piers shall be approved by the Project Geotechnical Engineer or Project Special Inspector prior to placing of concrete.
4. Reinforcement for drilled caissons/pier shall be approved by the Structural Engineer of Record prior to placing in caisson/pier excavation.
5. De-water caisson/pier footings and building excavation as required to maintain dry working conditions.
6. Caisson/piers are to be poured within 24 hours after completion of drilling operation. Shoring requirements shall be determined by contractor. Contractor shall be provide fall protection and safety barriers at and near the drilled hole as required by OSHA and the Authority Having Jurisdiction.
7. The Contractor shall be responsible for all shoring, bracing, etc. necessary to support cut and/or fill banks, and existing structures during excavation, and the forming and placement of concrete.
8. Bottom of caissons/piers shall be thoroughly cleaned prior to placement of concrete.

STRUCTURAL STEEL AND WELDING

1. All structural steel construction shall conform to AISC 360-16 and AISC 341-16.
    A. Fabrication of all structural steel shall be done in the shop of an approved fabricator. Inspection and approval for fabricator's shops used for fabrication of structural load bearing members, components, materials or assemblies shall conform to CBC Section 1704A.2.5.
2. All structural steel shall conform to the following specifications:
    A. Angles, channels, plates, bars, rounds, and other miscellaneous shapes: Shall conform to ASTM A36 and shall have a minimum yield stress (F_y) of 36 ksi.
    B. Wide-flange shapes: Shall conform to ASTM A992 and shall have a minimum yield stress (F_y) of 50 ksi.
    C. Structural tubes: Shall be ASTM A500, Grade C, and shall have a min. yield stress (F_y) of 50ksi.
3. All structural steel fasteners shall conform to the following specifications:
    A. Bolts shall conform to ASTM A307
    B. Anchor Bolts shall conform to ASTM F1554, Grade as noted in drawings
    C. Carbon steel nuts shall conform to ASTM A563
    D. Stainless steel nuts shall conform to ASTM F594
    E. Washers shall conform to ASTM F436
4. Special inspection shall be provided for all structural steel and welding, in accordance with CBC Chapter 17A.
5. All structural steel shall be fabricated, erected and welded in accordance with AISC Specifications for Structural Steel Buildings (AISC 360-16) and Code of Standard Practice for Steel Buildings and Bridges (AISC 303-16).
6. All welding shall be done by qualified and certified welders.
7. Shop drawings for the fabrication of any structural steel shall be approved by the Contractor and submitted to Project Specific Architect or Project Specific Structural Engineer of Record for their review, prior to fabrication.
8. No holes other than those specifically detailed shall be allowed through structural steel members. Burning of holes is not permitted.
9. All welding shall conform to 'AWS D1.1' specifications for welding. (E-70XX Electrodes).
10. Where fillet weld size is not indicated, use 'AWS' minimum size based on the thickness of the thinner part being welded, as specified in AISC Specifications for Structural Steel Buildings (AISC 360-10), Section J2.2.
11. All butt welds to be complete joint penetration, unless specifically noted otherwise.
12. Welder qualification requirements, welding procedure and welding electrodes for all structural steel (except structural sheet steel, see steel decking) shall conform to CBC Sections 1705A.2.1 and 2204A.1.
13. Provide 3" minimum concrete cover around all structural steel below grade.
14. Structural steel embedded into concrete shall be uncoated.
15. Structural steel shall be hot-dip galvanized (minimum ASTM A123 or A153 Class D) or painted with zinc-rich primer, undercoat, and finish coat; or equivalent paint system.
16. All exposed steel fasteners, including cast-in-place anchor bolts/rods, shall be stainless steel (Type 304 minimum), hot-dip galvanized (ASTM A153, Class D minimum or ASTM F2329), or protected with corrosion-preventive coating that demonstrated no more than 2% of red rust in minimum 1,000 hours of exposure in salt spray test per ASTM B117. Zinc plated fasteners do not comply with this requirement.

ABBREVIATIONS

A.B.	Anchor Bolt
ABV.	Above
ACI	American Concrete Institute
ADJ.	Adjacent
AHJ	Division of the State Architect
AISC	American Institute of Steel Construction
AOR	Architect of Record
APPROX.	Approximate(ly)
ASCE	American Society of Civil Engineers
ARCH.	Architect, Architecture
ASTM	American Society of Testing and Materials
ATR	All Thread Rod
AWS	American Welding Society
B.O.	Bottom of _____
BOT.	Bottom
b/t	Between
CAC	California Administrative Code
CBC	California Building Code
CIP	Cast-in-place
CJP	Complete Joint Penetration
℄	Centerline
CLR.	Clear
COL.	Column
CONC.	Concrete
CONN.	Connection
CONST.	Construction
CONT.	Continue, Continuous
Ø	Diameter
DBL.	Double
DET.	Detail
DL	Dead Load
DSA	Division of State Architect
DWGS.	Drawings
EA.	Each
E.F.	Each Face
ELEC.	Electric, Electrical
ELEV.	Elevation
EMBED.	Embedded, Embedment
EOR	Engineer of Record
EQ.	Equal
EQUIP.	Equipment
E.S.	Each Side
E.W.	Each Way
EXT.	Exterior
FAB.	Fabricated
FDN.	Foundation
F.G.	Finish Grade
F.O.	Face of _____
FRMG.	Framing
FT.	Foot,Feet
FTG.	Footing
GA.	Gauge
GALV.	Galvanized
GEOR	Geotechnical Engineer of Record
HORIZ.	Horizontal
HSS	Hollow Steel Section
HT.	Height
ICC	International Building Code
ICC	International Code Council
ID	Inside Diameter
IN.	Inch, Inches
INT.	Interior
ksi	Kips per Square Inch
LL	Live Load
MAX.	Maximum
MB	Machine Bolt
MFR.	Manufactured, Manufacturer
MIN.	Minimum
MPH	Miles per Hour
N/R	Not Required
N.T.S.	Not to Scale
o.c.	On Center
o/	Over
OD	Outside Diameter
PEN.	Penetration
PL.	Plate
PJP	Partial Joint Penetration
psi	Pounds per Square Inch
PSF	Pounds per Square Foot
REBAR	Reinforcing Bar
REINF.	Reinforcement
REQ'D	Required
S.F.	Square Feet
SHT.	Sheet
SIM.	Similar
SMS	Sheet Metal Screw
SQ.	Square
STAGG'D	Staggered
STD.	Standard
STL.	Steel
SEOR	Structural Engineer of Record
T&B	Top and bottom
THR'D	Threaded
T.O.	Top of _____
TYP.	Typical
U.N.O.	Unless Noted Otherwise
VERT.	Vertical
VIF	Verify in Field
w/	With
w/c	Water/Cement Ratio
WSS	Welded Steel Stud
WT.	Weight

POST INSTALLED ANCHOR & TESTING

1. All post-installed anchors are to be tension tested with the exception that torque testing is allowed if the anchors are specifically designed as torque controlled
2. Test quantity of post-installed anchors as noted below:

Application	Quantity
Non-structural (Equipment Anchorage, etc.)	50%
Structural	100%

3. Apply proof test loads to anchors without removing the nut if possible, if not, remove nut and install a threaded coupler to the same tightness of the original nut using a torque wrench and apply load.
4. All tests shall be performed in the presence of the inspector.
5. Reaction loads from test fixtures may be applied close to the anchor being tested, provided the anchor is not restrained from withdrawing or restricted from a concrete shear cone type failure mechanism.
6. Test equipment is to be calibrated by an approved testing laboratory in accordance with standard recognized procedures.
7. The following criteria apply for the acceptance of installed anchors:
    A. Hydraulic ram method: anchors tested with a hydraulic jack or spring loaded devices shall maintain the test load for a minimum of 15 seconds and shall exhibit no discernable movement during the tension test, e.g. as evidenced by loosening of the washer under the nut.
    B. Torque wrench method: anchors tested with a calibrated torque wrench must attain the manufacturer recommended torque within ½ turn of the nut.
    Exceptions:
    - Wedge or sleeve type: one-quarter turn of the nut from 3/8" sleeve anchor only.
    - Threaded type: one-quarter turn of the screw after initial seating of the screw head.
8. If any anchor fails testing, test all anchors of the same type not previously tested until twenty consecutive anchors pass, then resume the initial test frequency. if the anchors are used for the support and bracing of non-structural components (pipe, duct or conduit), the twenty shall be only those anchors installed by the same trade.
9. Test loads per ICC ESR, IAPMO, OR UES report
10. When installing drilled-in anchors and/or powder driven pins in existing non-prestressed reinforced concrete, use care and caution to avoid cutting or damaging the existing reinforcing bars. When installing them into existing prestressed concrete (pre- or post-tensioned) locate the prestressed tendons by using a non-destructive method prior to installation. Exercise extreme care and caution to avoid cutting or damaging the tendons during installation. Maintain a minimum clearance of one inch between the reinforcement and the drilled-in anchor and/or pin.

ANCHOR TORQUE TEST VALUES

Anchor Diameter	CONCRETE		MASONRY	
	HILTI KB TZ 2	SIMPSON STRONG BOLT 2	HILTI KB TZ 2	SIMPSON STRONG BOLT 2
	ESR-4266	ESR-3037	ESR-4561	ER-240
⅜"	30 ft-lb	30 ft-lb	15 ft-lb	20 ft-lb
½"	50 ft-lb	60 ft-lb	25 ft-lb	35 ft-lb
⅝"	40 ft-lb	90 ft-lb	30 ft-lb	55 ft-lb
¾"	110 ft-lb	150 ft-lb	50 ft-lb	100 ft-lb

If the manufacturer's recommended installation torque is less than the test torque noted in the table, the manufacturer's recommended installation torque should be used in lieu of the tabulated values.

See manufacturer's ESR report for Maximum Impact Wrench Torque Rating.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123899 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/05/2024

SSG
structural engineers

REGISTERED PROFESSIONAL ENGINEER
JAMES S. PORTER
No. 5405
STRUCTURAL
STATE OF CALIFORNIA
DATE SIGNED: 08.09.2023

PC SEOR SEAL

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APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122317 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/20/2023

DSA STAMP

PRE-CHECK (PC) DOCUMENT
CODE: 2022

A separate project application for construction is required.

STRUCTURAL NOTES & SPECIAL INSPECTIONS

SHEET INFORMATION

DATE	08.09.2023
DRAWN	JMK
CHECKED	MEP
SSG JOB #	S23109
SHEET	SB0.2

EXAMPLE DSA 103 - TESTING AND INSPECTIONS

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number: 04-122317 | School Name: Nevco Scoreboards PC | School District: Nevco Scoreboards PC
DSA File Number: | Increment Number: | Date Created: 2023-05-23 08:35:36

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required	GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
Periodic – Indicates that a periodic special inspection is required	LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335.
Test – Indicates that a test is required	PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.
	SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8
Application Number: 04-122317 | School Name: Nevco Scoreboards PC | School District: Nevco Scoreboards PC
DSA File Number: | Increment Number: | Date Created: 2023-05-23 08:35:36

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

	S1. GENERAL:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify that: • Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footings are adequate to achieve the design bearing capacity.	See Notes	PI	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations is not permitted without a geotechnical report.

	S2. SOIL COMPACTION AND FILL:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	Continuous	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	b. Compaction testing.	Test	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.

	S3. DRIVEN DEEP FOUNDATIONS (PILES):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify pile materials, sizes and lengths comply with the requirements.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐	b. Determine capacities of test piles and conduct additional load tests as required.	Test	LOR*	* Under the supervision of the geotechnical engineer.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8
Application Number: 04-122317 | School Name: Nevco Scoreboards PC | School District: Nevco Scoreboards PC
DSA File Number: | Increment Number: | Date Created: 2023-05-23 08:35:36

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	c. Inspect driving operations and maintain complete and accurate records for each pile.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐	d. Verify locations of piles and their plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and record any pile damage.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐	e. Steel piles.	Provide tests and inspections per STEEL section below.		
☐	f. Concrete piles and concrete filled piles.	Provide tests and inspections per CONCRETE section below.		
☐	g. For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.	*	*	* As defined on drawings or specifications.

	S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):			
	Test or Special Inspection	Type	Performed By	Code References and Note
☑	a. Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	b. Verify pier locations, diameters, plumbness and lengths.Record concrete or grout volumes.	Continuous	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	c. Concrete piers.	Provide tests and inspections per CONCRETE section below.		

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8
Application Number: 04-122317 | School Name: Nevco Scoreboards PC | School District: Nevco Scoreboards PC
DSA File Number: | Increment Number: | Date Created: 2023-05-23 08:35:36

	Test or Special Inspection	Type	Performed By	Code References and Notes
	S5. RETAINING WALLS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Placement, compaction and inspection of backfill.	Continuous	GE*	1705A.6.1. * By geotechnical engineer or his or her qualified representative. (See section S2 above).
☐	b. Placement of soil reinforcement and/or drainage devices.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐	c. Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.
☐	d. Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.		
☐	e. Masonry retaining walls.	Provide tests and inspections per MASONRY section below.		

	S6. OTHER SOILS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Soil Improvements	Test	GE*	Submit a comprehensive report documenting final soil improvements constructed, construction observation and the results of the confirmation testing and analysis to CGS (California Geological Survey) for final acceptance. * By geotechnical engineer or his or her qualified representative.
☐	b. Inspection of Soil Improvements	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐	c.			

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13
Application Number: 04-122317 | School Name: Nevco Scoreboards PC | School District: Nevco Scoreboards PC
DSA File Number: | Increment Number: | Date Created: 2023-05-23 08:35:36

	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
☑	b. Identifiy, sample, and test reinforcing steel.	Test	LOR	1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
☑	d. Test concrete (f'c).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.
☑	e. Batch plant inspection:	See Notes	SI	Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)
☐	f. Welding of reinforcing steel.	Provide special inspection per STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		

	C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Sample and test prestressing tendons and anchorages.	Test	LOR	1705A.3.4, 1910A.3
☐	b. Inspect placement of prestressing tendons.	Periodic	SI	1705A.3.4, Table 1705A.3 Items 1 & 9.

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Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13
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	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	c. Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	Periodic	SI	Table 1705A.3 Item 13. Special inspector to verify specified concrete strength test prior to stressing.
☐	d. Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	Continuous	SI	1705A.3.4, Table 1705A.3 Item 9; ACI 318-14 Section 26.13

	C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect fabrication of precast concrete members.	Continuous	SI	ACI 318-19 Section 26.13.
☐	b. Inspect erection of precast concrete members.	Periodic	SI*	Table 1705A.3 Item 10. * May be performed by PI when specifically approved by DSA.
☐	c. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	Continuous	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5
☐	d. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	Periodic	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5

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Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13
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	C4. SHOTCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect shotcrete placement for proper application techniques.	Continuous	SI	1705A.3.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3. See ACI 506.2-13 Section 3.4, ACI 506R-16.
☐	b. Sample and test shotcrete (f'c).	Test	LOR	1908A.2, 1705A.3.9

	C5. POST-INSTALLED ANCHORS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Inspect installation of post-installed anchors	See Notes	SI*	1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8 (See Appendix (end of this form) for exemptions). ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA.
☑	b. Test post-installed anchors.	Test	LOR	1910A.5. (See Appendix (end of this form) for exemptions.)

	C6. OTHER CONCRETE:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a.			

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1705A.4; TMS 602-16, Tables 3 and 4.
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	M1. STRUCTURAL MASONRY: (f'm =			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Mill certificate indicates compliance with requirements for reinforcement, anchors, ties, fasteners and metal accessories. See item C1(b) for identification, sampling and testing of reinforcing steel.	Periodic	SI*	2103A.4; TMS 602-16 Article 1.5B.2 & 2.4. * To be performed by qualified LOR representative. Applicable testing by LOR. See IR 17-10 for unidentified reinforcing steel.
☐	b. Producer's certificate of compliance for masonry units, mortar and grout materials.	Test	LOR	1705A.4, 2103A.2, 2103A.3, 2103A.5; TMS 602-16 Articles 1.5B.2 2.1, 2.2, 2.6A and 2.6B, and Table 6 footnote 3.
☐	c. Test masonry (f'm).	Test	LOR	1705A.4. For Unit Strength: 2105A.3; TMS 602-16 Articles 1.4B.2 ,1.5B.1 & 1.5B.2. For Prism (required when f'm > 2000 psi):2105A.2; TMS 602-16 Articles 1.4B.3, 1.4B.4, 1.5B.1 & 1.5B.2.
☐	d. Verify proportions or properties of site-prepared, premixed or preblended mortar.	Periodic	SI	TMS 602-16, Table 3 (row 5), Table 4 Item 1a. DSA PR 20-01.
☐	e. Verify proportions or properties of site-prepared, premixed or preblended grout.	Periodic	SI	TMS 602-16, Table 3 (row 5), Table 4 Item 2d.
☐	f. Batch plant inspection:	See Notes	SI	Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)
☐	g. Test core-drilled samples.	Test	LOR	2105A.4. (See Appendix (end of this form) for exemptions.)
☐	h. Inspect preparation of prisms.	Continuous	SI	TMS 602-16 Articles 1.4.B.3 & 1.4.B.4 & Table 4 Item 4.
☐	i. Verify size, location and condition of all dowels, construction supporting masonry, etc.	Periodic	SI	

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1705A.4; TMS 602-16, Tables 3 and 4.
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	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	j. Verify size, grade and type of reinforcement, connectors, and anchor bolts. Verify size and location of structural members.	Periodic	SI	TMS 602-16 Table 4, Items 1c & 3c.
☐	k. Inspect placement of reinforcement, anchor bolts, and connectors.	Continuous	SI	TMS 602-16 Table 4 Item 2c.
☐	l. Placement, consolidation, and reconsolidation of grout.	Continuous	SI	TMS 602-16 Table 4 Item 3h.
☐	m. Inspect placement of masonry units and construction of mortar joints.	Periodic	SI	TMS 602-16 Table 4 Item 3b.
☐	n. Verify preparation, construction and protection of masonry during cold weather (temperature below 40° F) or hot weather (temperature above 90° F).	Periodic	SI*	TMS 602-16 Table 4 Item 3f. * May be performed by the project inspector when specifically approved by DSA.
☐	o. Inspect type, size and location of anchors and all other items to be embedded in masonry including other details of anchorage of masonry to structural members, frames and other construction.	Continuous	SI	TMS 602-16 Table 4 Item 3d.
☐	p. Inspect grout space, including mortar protrusions, prior to placement of grout.	Continuous	SI	TMS 602-16 Table 4 Item 2a.
☐	q. Welding of reinforcing steel.	TMS 602-16 Table 4 Item 3e. Provide special inspection per STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		

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	M2. VENEER OR GLASS BLOCK PARTITIONS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify proportions of siteprepared mortar and grout and/or verify certification of premixed mortar.	Periodic	SI	TMS 602-16 Table 3 (row 5) and Table 4 Items 1a & 2d.
☐	b. Inspect placement of units and construction of mortar joints.	Periodic	SI	TMS 602-16 Table 4 Item 3b.
☐	c. Inspect placement of wire, connectors and anchors	Periodic	SI	TMS 602-16 Table 4 Item 2c.
☐	d. Inspect type, size and location of anchors and all other items to be embedded in masonry veneer including details of anchorage of masonry to veneer backing, frames and other construction.	Periodic	SI	TMS 602-16 Table 4 Item 3d.
☐	e. Verify preparation, construction and protection of masonry during cold weather (temperature below 40° F) or hot weather (above 90° F).	Periodic	SI*	TMS 602-16 Table 4 Item 3f. * May be performed by the project inspector when specifically approved by DSA.
☐	f. Test adhered veneer bond strength.	Test	LOR	1410.2.1; TMS 402 Article 12.3.2.4. (Field constructed mock-up laboratory tested in accordance with ASTM C482).

	M3. POST-INSTALLED ANCHORS IN MASONRY:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Inspect installation of post-installed anchors	See Notes	SI*	1617A.1.19, 1705A.4, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic); ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA. (See Appendix (end of this form) for exemptions.)

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	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	b. Test post-installed anchors.	Test	LOR	1705A.4, 1910A.5. (See Appendix (end of this form) for exemptions.)

	M4. OTHER MASONRY:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a.			

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1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8
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	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Periodic	*	Table 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	b. Test unidentified materials	Test	LOR	2202A.1.
☐	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
☑	d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
☐	e. Buckling restrained braces.	Test	LOR	Testing and special inspections in accordance with IR 22-4.

	S/A2. HIGH-STRENGTH BOLTS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	Periodic	SI	Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
☐	b. Test high-strength bolts, nuts and washers.	Test	LOR	Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-8.
☐	c. Bearing-type ("snug tight") connections.	Periodic	SI	Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.
☐	d. Pretensioned and slip-critical connections.	*	SI	Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. *"Continuous" or "Periodic" depends on the tightening method used.

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1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8
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	S/A3. WELDING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
☑	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.

	S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☐	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
☐	d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	e. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

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1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8
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	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☑	b. Inspect single-pass fillet welds ≤ 5/16".	Periodic	SI	Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	c. Inspect end-welded studs (ASTM A-108) installation (including bend test).	Periodic	SI	2213A.2; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
☐	d. Inspect floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.6; AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.
☐	e. Inspect welding of structural cold-formed steel.	Periodic	SI*	1705A.2.5; AWS D1.3; DSA IR 17-3. The quality control provisions of AISI S240-20 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
☐	f. Inspect welding of stairs and railing systems.	Periodic	SI*	1705A.2.1; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
☐	g. Verification of reinforcing steel weldability.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	h. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

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1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8
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	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A6. NONDESTRUCTIVE TESTING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Ultrasonic	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☑	b. Magnetic Particle	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	c.	Test	LOR	

	S/A7. STEEL JOISTS AND TRUSSES:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	Continuous	SI	1705A.2.3, Table 1705A.2.3; AWS D1.1; DSA IR 22-3 for steel joists only. 1705A.2.4; AWS D1.3 for cold-formed steel trusses.

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1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8
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	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A8. SPRAYED FIRE-RESISTANT MATERIALS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	Periodic	SI	1705A.15, 1705A.1, 1705A.2, 1705A.3, 1705A.4.
☐	b. Test density.	Test	LOR	1705A.15.1, 1705A.15.5, ASTM E736
☐	c. Bond strength adhesion/cohesion.	Test	LOR	1705A.15.1, 1705A.15.4, ASTM E605

	S/A9. ANCHOR BOLTS AND ANCHOR RODS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Anchor Bolts and Anchor Rods	Test	LOR	Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.
☐	b. Threaded rod not used for foundation anchorage.	Test	LOR	Sample and test threaded rods not readily identifiable per procedures noted in DSA IR 17-11.

	S/A10. STORAGE RACK SYSTEMS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	Periodic	SI	Table 1705A.13.7
☐	b. Fabricated storage rack elements.	Periodic	SI	1704A.2.5; Table 1705A.13.7

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1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8
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	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	c. Storage rack anchorage installation.	Periodic	SI	ANSI/MH16.1 Section 7.3.2; Table 1705A.13.7
☐	d. Completed storage rack system to indicate compliance with the approved construction documents.	Periodic	SI*	Table 1705A.13.7; * May be preformed by the project inspector when specifically approved by DSA.

	S/A11. Other Steel			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a.			

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	X1. OTHER:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Load test for identified product(s):	Test	LOR	1709A.2, 1709A.3. Testing is not required for: 1) a product with a valid evaluation service report per DSA IR A-5, or 2) a product that can be justified by structural calculation.
☐	b. Installation torque for non-HS bolts	Continuous	SI*	Applicable to communication towers identified as Essential Service Facility Projects (ESFP). Calibrated wrench use required, verified by SI during installation. DSA Policy PL 18-01: Communication Towers, Poles and Buildings Utilized by State Agencies for Essential Services Communications.*EXCEPTION: Non-ESFP may use PI without need for notification to DSA.
☐	c.			

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

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Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. Items marked as exempt shall be identified on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.

	SOILS:
☐	1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.
☐	2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.

	CONCRETE/MASONRY:
☐	1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding" in the Appendix below) given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding" in the Appendix below
☐	2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.
☐	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.
☐	4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number: 04-122317 | School Name: Nevco Scoreboards PC | School District: Nevco Scoreboards PC
DSA File Number: | Increment Number: | Date Created: 2023-05-23 08:35:36

	CONCRETE/MASONRY:
☐	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.

	WELDING:
☐	1. Solid-clad and open-mesh fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates/fences are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.
☐	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the 'Exception' language in Section 1705A.2.1); fillet welds shall not be ground flush.
☐	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☐	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for sections S/A3, S/A4 and/or S/A5 located in the Steel/Aluminum category of listing above).
☐	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS(SIGNATURE), 2022 CBC

Application Number: 04-122317 | School Name: Nevco Scoreboards PC | School District: Nevco Scoreboards PC
DSA File Number: | Increment Number: | Date Created: 2023-05-23 08:35:36

Name of Architect or Engineer in general responsible charge:

Name of Structural Engineer (When structural design has been delegated):

Signature of Architect or Structural Engineer: Date:

Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

DSA STAMP

DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022

Application Number: 04-122317 | School Name: Nevco Scoreboards PC | School District: Nevco Scoreboards PC
DSA File Number: | Increment Number: | Date Created: 2023-05-23 08:35:36

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Post-installed Anchors: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
3. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
4. Field Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

NOTE: THE DSA 103 SHOWN INCLUDES MINIMUM SPECIAL INSPECTION REQUIREMENTS AND IS PROVIDED AS EXAMPLE. ADDITIONAL TESTING AND INSPECTIONS MAY BE REQUIRED BEYOND THE SCOPE OF THE SCOREBOARD. A FINAL DSA 103 FORM SHALL BE SUBMITTED BY THE DESIGN PROFESSIONAL OF RECORD AS PART OF THE SITE SPECIFIC SUBMITTAL REQUIREMENTS. THE DESIGN PROFESSIONAL OF RECORD IS RESPONSIBLE FOR REVIEWING PROJECT SPECIFIC SPECIAL INSPECTION REPORTS. SSG STRUCTURAL ENGINEERS OR NEVCO ARE NOT RESPONSIBLE FOR PROVIDING THE PROJECT DSA 103 OR REVIEWING SPECIAL INSPECTION REPORTS.
DSA 103 CAN BE FOUND AT:https://forms.dgs.ca.gov/content/forms/af/dgs/dsa/form-103/public/dsa-form-103-22.html

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123899 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/05/2024

SSG structural engineers

REGISTERED PROFESSIONAL ENGINEER
MICHAEL E. PAROLINI
No. 5405
STRUCTURAL
STATE OF CALIFORNIA
DATE SIGNED: 08.09.2023
PC SEOR SEAL

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Phone: (618) 664-0360
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DIV. OF THE STATE ARCHITECT
APP: 04-122317 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/20/2023
DSA STAMP

PRE-CHECK (PC) DOCUMENT
CODE: 2022

A separate project application for construction is required.

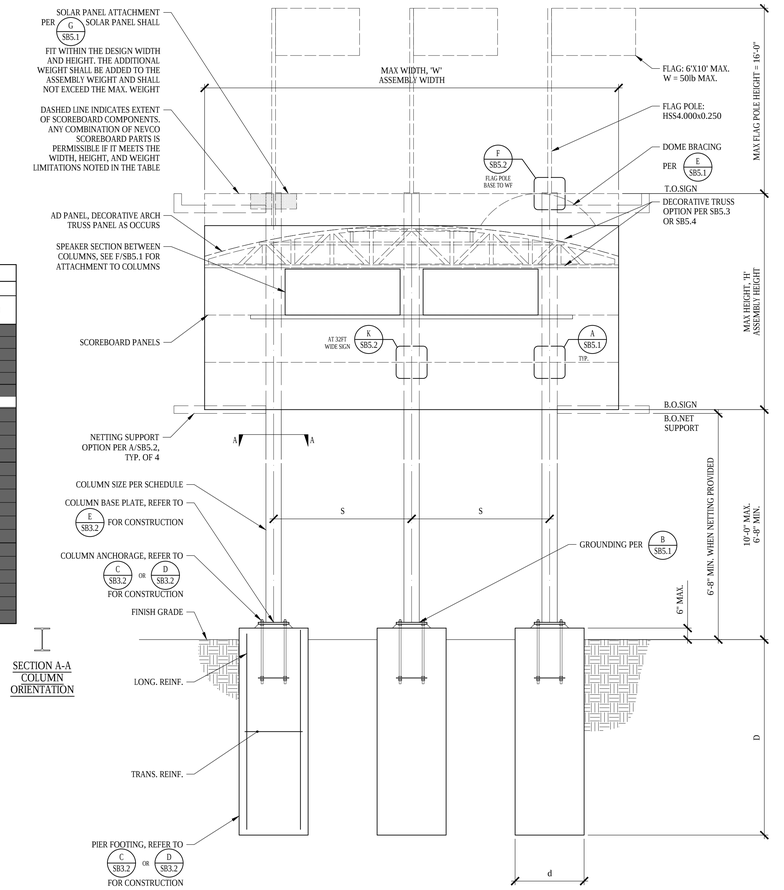
EXAMPLE DSA 103 - TESTING AND INSPECTIONS
SHEET INFORMATION

DATE	08.09.2023
DRAWN	JMK
CHECKED	MEP
SSG JOB #	S23109
SHEET	SB0.3

THREE COLUMN ASSEMBLY

ASSEMBLY CRITERIA							PIER FOOTING CRITERIA (2)				BASE PLATE				ANCHOR RODS				
ASSEMBLY WIDTH, W	CHECK OPTION THIS APPLICATION	MAX. WEIGHT	ASSEMBLY HEIGHT, H	COLUMN SPACING, S	COLUMN SIZE	COLUMN SIZE, W/O FLAG	PIER DIAMETER, d	DEPTH, D	LONG. REINF.	TRANS. REINF.(1)	THICKNESS, t	WIDTH, B	LENGTH, L	WELD	QUANTITY & DIAMETER	GRADE	EDGE DISTANCE, X	GROUT HEIGHT	EMBED
20'-0"		1,920 lbs.	≤ 8'-0"	8'-0"	W10x33	W10x30	36"Ø	8'-6"	8 - #6	#4 @ 4½" o.c.	1½"	20"	20"	5/16	(4) - 1⅛"Ø	F1554 - GR.36	2½"	2"	48"
		2,880 lbs.	≤ 12'-0"	8'-0"	W12x40	W12x40	36"Ø	10'-0"	8 - #6	#4 @ 4½" o.c.	1½"	20"	20"	3/8	(6) - 1⅛"Ø	F1554 - GR.55	2½"	2"	48"
		3,840 lbs.	≤ 16'-0"	8'-0"	W14x61	W14x53	42"Ø	10'-6"	8 - #8	#4 @ 6" o.c.	1⅜"	24"	24"	3/8	(6) - 1¼"Ø	F1554 - GR.55	2½"	2"	64"
		4,800 lbs.	≤ 20'-0"	8'-0"	W16x67	W16x67	48"Ø	11'-0"	14 - #8	#4 @ 6" o.c.	1¾"	24"	30"	½	(4) - 1½"Ø	F1554 - GR.55	3"	2"	64"
		5,760 lbs.	≤ 24'-0"	8'-0"	W18x86	W18x76	48"Ø	12'-0"	14 - #8	#4 @ 6" o.c.	1¾"	24"	30"	CJP	(6) - 1½"Ø	F1554 - GR.55	3"	2"	64"
24'-0"		2,310 lbs.	≤ 8'-0"	8'-0"	W10x33	W10x33	36"Ø	9'-0"	8 - #6	#4 @ 4½" o.c.	1¼"	20"	20"	5/16	(4) - 1⅛"Ø	F1554 - GR.55	2½"	2"	48"
	THIS PROJECT	3,460 lbs.	≤ 12'-0"	8'-0"	W14x48	W14x43	36"Ø	10'-6"	8 - #8	#4 @ 6" o.c.	1¼"	20"	20"	5/16	(6) - 1⅛"Ø	F1554 - GR.55	2½"	2"	64"
		4,610 lbs.	≤ 16'-0"	8'-0"	W14x61	W14x61	48"Ø	10'-9"	12 - #8	#4 @ 6" o.c.	1½"	24"	24"	5/16	(6) - 1¼"Ø	F1554 - GR.55	2½"	2"	64"
		5,760 lbs.	≤ 20'-0"	8'-0"	W16x77	W16x67	48"Ø	12'-0"	14 - #8	#4 @ 6" o.c.	1½"	24"	30"	5/16	(6) - 1¼"Ø	F1554 - GR.105	2½"	2"	64"
		6,920 lbs.	≤ 24'-0"	8'-0"	W18x97	W18x86	48"Ø	13'-3"	14 - #8	#4 @ 6" o.c.	1¾"	24"	30"	CJP	(6) - 1½"Ø	F1554 -GR.55	3"	2"	64"
		8,060 lbs.	≤ 28'-0"	8'-0"	W18x119	W18x106	48"Ø	14'-3"	14 - #8	#4 @ 6" o.c.	2"	24"	30"	CJP	(6) - 1½"Ø	F1554 - GR.55	3"	2"	64"
28'-0"		2,690 lbs.	≤ 8'-0"	10'-0"	W10x33	W10x33	36"Ø	9'-6"	8 - #6	#4 @ 4½" o.c.	1¼"	20"	20"	5/16	(4) - 1⅛"Ø	F1554 - GR.55	2½"	2"	48"
		4,040 lbs.	≤ 12'-0"	10'-0"	W14x48	W14x43	48"Ø	9'-9"	8 - #8	#4 @ 6" o.c.	1¼"	24"	24"	5/16	(6) - 1¼"Ø	F1554 - GR.55	2½"	2"	64"
		5,380 lbs.	≤ 16'-0"	10'-0"	W16x67	W16x67	48"Ø	11'-6"	14 - #8	#4 @ 6" o.c.	1¾"	24"	30"	½	(4) - 1½"Ø	F1554 - GR.55	3"	2"	64"
		6,720 lbs.	≤ 20'-0"	10'-0"	W16x89	W16x77	48"Ø	12'-6"	14 - #8	#4 @ 6" o.c.	2"	24"	30"	CJP	(6) - 1½"Ø	F1554 - GR.55	3"	2"	64"
		8,070 lbs.	≤ 24'-0"	10'-0"	W18x106	W18x97	48"Ø	13'-9"	14 - #9	#4 @ 6" o.c.	2"	24"	30"	CJP	(6) - 1½"Ø	F1554 - GR.55	3"	2"	64"
		9,400 lbs.	≤ 28'-0"	10'-0"	W18x130	W18x119	48"Ø	15'-0"	14 - #9	#4 @ 6" o.c.	2"	24"	30"	CJP	(6) - 1½"Ø	F1554 - GR.105	3"	2"	64"
32'-0"		3,080 lbs.	≤ 8'-0"	12'-0"	W10x33	W10x33	36"Ø	10'-0"	8 - #6	#4 @ 4½" o.c.	1¼"	20"	20"	⅜	(6) - 1⅛"Ø	F1554 - GR.55	2½"	2"	48"
		4,610 lbs.	≤ 12'-0"	12'-0"	W14x61	W14x48	48"Ø	10'-3"	8 - #8	#4 @ 6" o.c.	1½"	24"	24"	⅜	(6) - 1¼"Ø	F1554 - GR.55	2½"	2"	64"
		6,150 lbs.	≤ 16'-0"	12'-0"	W16x67	W16x67	48"Ø	11'-9"	14 - #8	#4 @ 6" o.c.	1¾"	24"	30"	½	(4) - 1½"Ø	F1554 - GR.55	3"	2"	64"
		7,680 lbs.	≤ 20'-0"	12'-0"	W18x86	W18x76	48"Ø	13'-0"	14 - #8	#4 @ 6" o.c.	1¾"	24"	30"	CJP	(6) - 1½"Ø	F1554 - GR.55	3"	2"	64"
		9,220 lbs.	≤ 24'-0"	12'-0"	W18x119	W18x106	48"Ø	14'-6"	14 - #9	#4 @ 6" o.c.	2"	24"	30"	CJP	(6) - 1½"Ø	F1554 - GR.55	3"	2"	64"
		10,750 lbs.	≤ 28'-0"	12'-0"	W18x143	W18x130	54"Ø	15'-6"	14 - #9	#4 @ 6"o.c.	2¼"	30"	36"	CJP	(6) - 2"Ø	F1554 - GR.55	4"	2½"	64"

NOTES:
1. CONTRACTOR OPTION TO PROVIDE TIES OR SPIRAL REINFORCING. SEE C/SB3.2 FOR TIE OPTION, SEE D/SB3.2 FOR SPIRAL OPTION.
2. CONTRACTOR IS RESPONSIBLE FOR CASING PIERS AND DRILLING SEQUENCING TO PROTECT PIER EXCAVATION

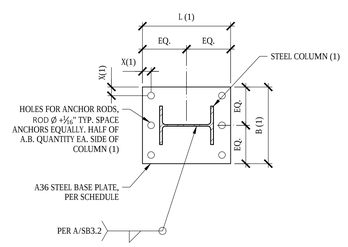


SECTION A-A
COLUMN ORIENTATION

ELEVATION

THREE COLUMN SCOREBOARD INSTALLATION
N.T.S.

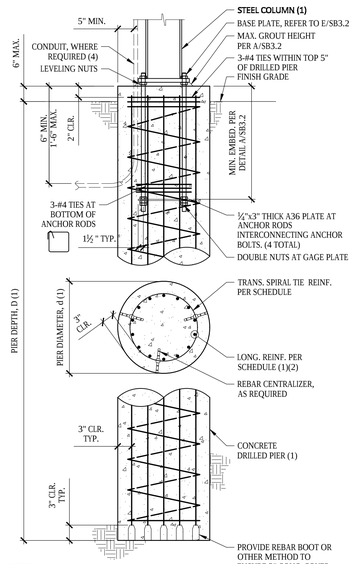
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NOTES: (#)
1. SEE SCOREBOARD ELEVATION, A/SB3.2

BASE PLATE
N.T.S.

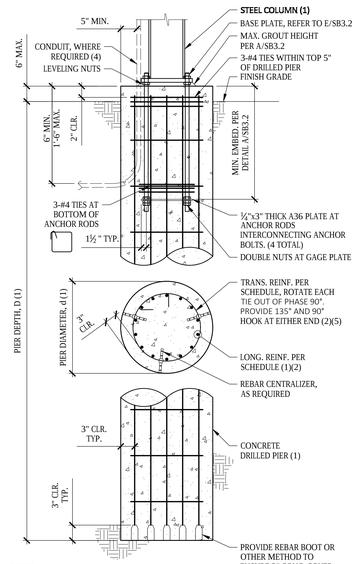
E



NOTES: (#)
1. SEE ELECTRONIC SIGN ELEVATION, A/SB3.2
2. SEE DETAILS B/SB3.2 FOR REINFORCEMENT TIE REQUIREMENTS
3. DO NOT SPLICE REINFORCEMENT.
4. LOCATION OF CONDUIT APPROACH SHOWN GRAPHICALLY ONLY FOR REFERENCE, VERIFY ACTUAL CONDITIONS IN FIELD. (2)-2" NOMINAL CONDUIT MAX. SPACE CONDUIT 6"o.c. MIN.
5. TIE SHALL OVERLAP ITSELF A MINIMUM OF 6" AND HOOK AT VERTICAL BARS. MAXIMUM OF THREE VERTICAL BAR SPACINGS BETWEEN HOOKS

CONCRETE DRILLED PIER
N.T.S.

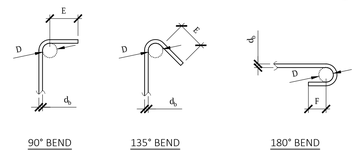
D



NOTES: (#)
1. SEE ELECTRONIC SIGN ELEVATION, A/SB3.2
2. SEE DETAILS B/SB3.2 FOR REINFORCEMENT TIE REQUIREMENTS
3. DO NOT SPLICE REINFORCEMENT.
4. LOCATION OF CONDUIT APPROACH SHOWN GRAPHICALLY ONLY FOR REFERENCE, VERIFY ACTUAL CONDITIONS IN FIELD. (2)-2" NOMINAL CONDUIT MAX. SPACE CONDUIT 6"o.c. MIN.
5. TIE SHALL OVERLAP ITSELF A MINIMUM OF 6" AND HOOK AT VERTICAL BARS. MAXIMUM OF THREE VERTICAL BAR SPACINGS BETWEEN HOOKS

CONCRETE DRILLED PIER
N.T.S.

C



Bar Size	Dimension of Standard Bends		
	D	E	F (6d_b) [3" min.]
#4	2"Ø	3"	3"

TIE AND STIRRUP BENDS
N.T.S.

B

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DIV. OF THE STATE ARCHITECT
APP: 03-123899 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/05/2024

SSG structural engineers

REGISTERED PROFESSIONAL ENGINEER — JAMES E. SORGEN — No. 5405 — STRUCTURAL — STATE OF CALIFORNIA
PC SEOR SEAL
DATE SIGNED: 08.09.2023

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DATE: 09/20/2023

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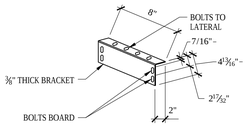
PRE-CHECK (PC) DOCUMENT
CODE: 2022

A separate project application for construction is required.

THREE COLUMN CAISSON - BOLTED

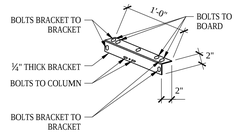
SHEET INFORMATION

DATE	08.09.2023
DRAWN	JMK
CHECKED	MEP
SSG JOB #	S23109
SHEET	SB3.2



L BRACKET - B

F_y = 50 ksi



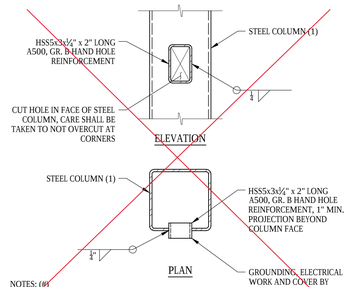
L BRACKET - A

F_y = 50 ksi

L BRACKETS

N.T.S.

K

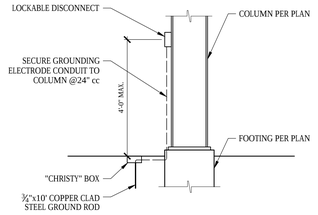


NOTES: (#)
1. SEE ELECTRONIC SIGN ELEVATION

CONDUIT HAND HOLE

N.T.S.

H



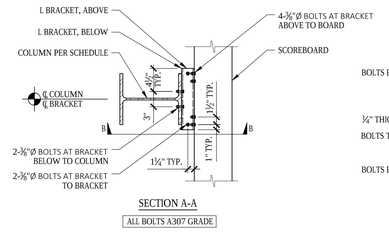
ALL DISPLAYS MUST BE GROUNDED WITH NO MORE THAN 10 OHMS GROUND RESISTANCE

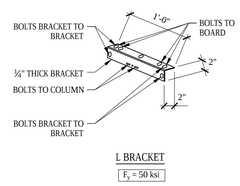
NOTES:
1. ALTERNATE: IT IS PERMISSIBLE TO UTILIZE THE UFER GROUNDING METHOD. DETAILS FOR UFER GROUNDING SHALL BE INCLUDED AS PART OF THE SITE SPECIFIC SUBMITTAL.

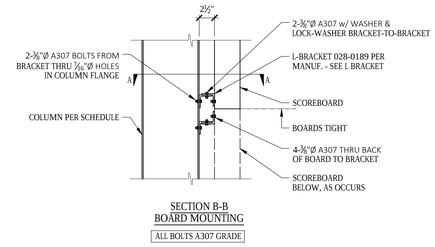
GROUNDING DETAIL

N.T.S.

B



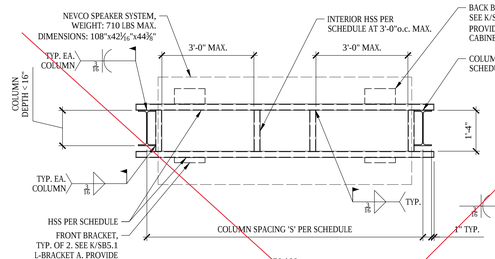


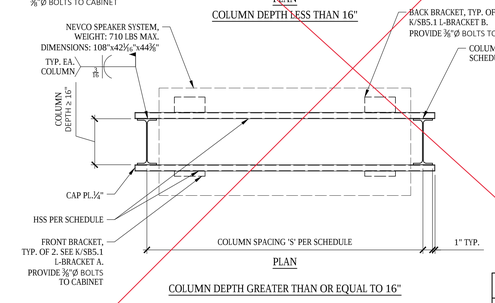


SCOREBOARD PART ATTACHMENTS

N.T.S.

A



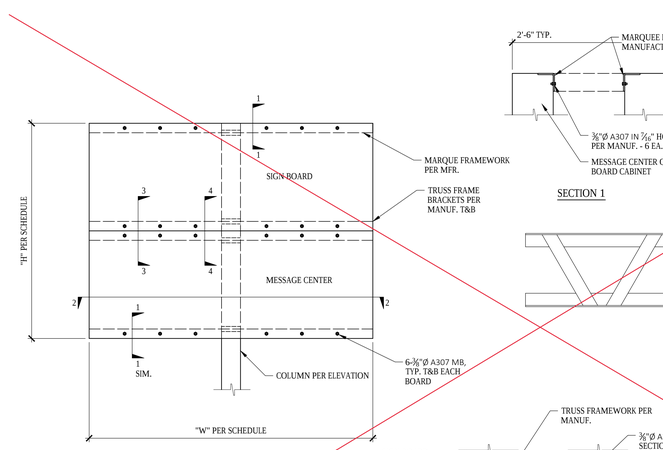


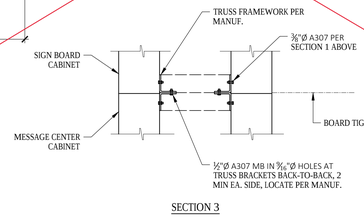
HSS SCHEDULE	
COLUMN SPACING, S	HSS SIZE
10'-0"	HSS4x3x5/16 LLV
12'-0"	HSS4x3x5/16 LLV
14'-0"	HSS4x3x5/16 LLV

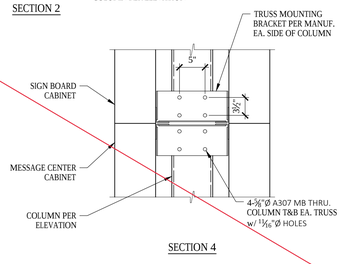
SPEAKER ATTACHMENT

N.T.S.

F



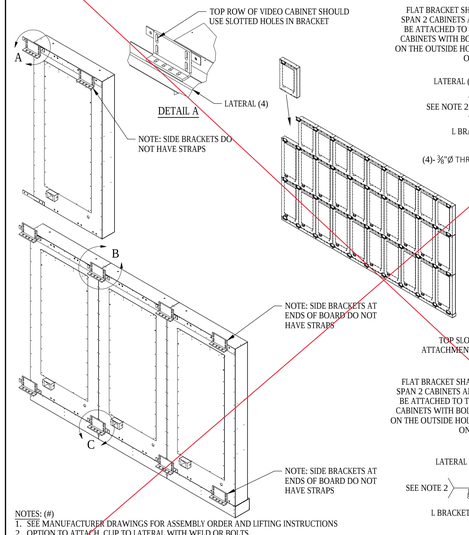




MARQUEE CENTER INSTALLATION

N.T.S.

D

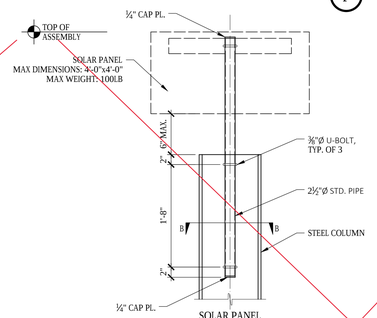


NOTES: (#)
1. SEE MANUFACTURER DRAWINGS FOR ASSEMBLY ORDER AND LIFTING INSTRUCTIONS
2. OPTION TO ATTACH CLIP TO LATERAL WITH WELD OR BOLTS
3. PROVIDE FILLET WELD WHERE LATERAL WIDTH EXCEEDS BRACKET WIDTH
4. TYPICAL VIDEO BOARD LATERAL IS HSS3X3X¼, SEE K/SB5.2 FOR ATTACHMENT TO COLUMN. SEE B/SB6.1 FOR INDOOR WALL ATTACHMENT.
5. MAX TRIBUTARY AREA TO L-BRACKET SHALL NOT EXCEED 20 S.F.

VIDEO BOARD BRACKET ATTACHMENT

N.T.S.

J

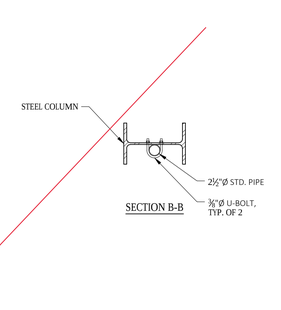


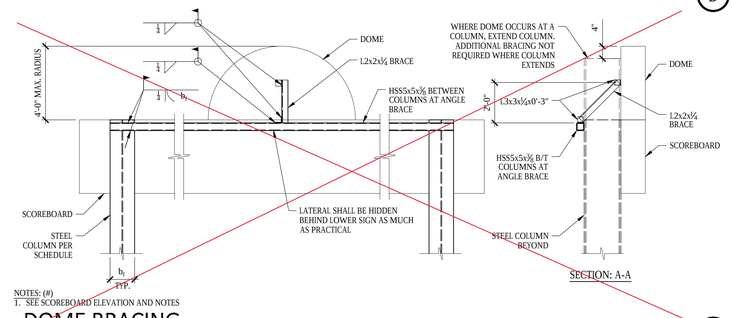
NOTES:
1. THE SOLAR PANEL, BATTERIES AND ENCLOSURE, AND INVERTER/RECEIVER DIMENSIONS SHALL FIT WITHIN THE PERMITTED EXTENT OF SCOREBOARD AS INDICATED IN THE SCOREBOARD ELEVATION AND SCHEDULE.
2. THE SOLAR PANEL, BATTERIES AND ENCLOSURE, AND INVERTER/RECEIVER WEIGHT ALONG WITH ALL OTHER SCOREBOARD COMPONENTS SHALL NOT EXCEED THE WEIGHT INDICATED IN THE SCOREBOARD SCHEDULE.

SOLAR PANEL/BATTERY/ INVERTER/RECEIVER ATTACHMENT

N.T.S.

G





NOTES: (#)
1. SEE SCOREBOARD ELEVATION AND NOTES

DOME BRACING

N.T.S.

E

nevco
301 East Harris Avenue, Greenville, Illinois 62246
Phone: (618) 664-0360
www.nevco.com

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123899 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/05/2024

SSG
structural engineers

REGISTERED PROFESSIONAL ENGINEER
PAUL E. CHRISTY
No. 5405
STRUCTURAL
STATE OF CALIFORNIA
DATE SIGNED: 08.09.2023

PC SEOR SEAL

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THANK YOU FOR YOUR INTEREST IN NEVCO SCOREBOARD PRODUCTS.

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04122317 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/20/2023

DSA STAMP

PRE-CHECK (PC) DOCUMENT
CODE: 2022

A separate project application for construction is required.

ATTACHMENT DETAILS

SHEET INFORMATION

DATE	08.09.2023
DRAWN	JMK
CHECKED	MEP
SSG JOB #	S23109
SHEET	SB5.1