LOS ANGELES UNIFIED SCHOOL DISTRICT

NEW SCOREBOARDS FOR SOFTBALL & BASEBALL

at

VERDUGO HILLS HIGH SCHOOL

10625 PLAINVIEW AVE, TUJUNGA, CA 91042

COLIN # 10375279

GENERAL NOTES (CONT.)

32. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
33. CLEARLY INDICATE THE SCOPE OF WORK ON THE COVER SHEET.
34. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
35. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.
36. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE.
37. WHENEVER DSA FINDS ANY CONSTRUCTION WORK IS BEING PERFORMED IN A MANNER CONTRARY TO THE PROVISIONS OF CALIFORNIA BUILDING CODE AND THAT WOULD COMPROMISE THE STRUCTURAL INTEGRITY OF THE BUILDING, THE DEPARTMENT OF GENERAL SERVICES, STATE CALIFORNIA, IS AUTHORIZED TO ISSUE A STOP WORK ORDER PER SECTION 4-334.1 CALIFORNIA ADMINISTRATIVE CODE (PART 1, TITLE 24 CCR).
38. SUBMIT RFC'S TO DESIGN TEAM IN CASE OF INCONSISTENCIES BETWEEN APPROVED DRAWINGS AND APPROVED SPECIFICATIONS IN THE DESCRIPTIONS OF WORK TO BE DONE, EQUIPMENT TO BE PROVIDED OR MATERIAL TO BE USED. IT SHALL BE THAT THE MORE STRINGENT, THE MORE RESTRICTIVE, THE HIGHER QUALITY, AND THE GREATER QUANTITY OF WORK SHALL APPLY. SUBMIT REVISED DRAWINGS OR SPECIFICATIONS AS RESULT OF SUCH RFC'S TO DSA VIA CCD'S IF REQUIRED BY IR A-6.
39. ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING MATERIALS INSTALLATION TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
40.

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH CODES, LAWS, & REGULATIONS OF PUBLIC AUTHORITIES GOVERNING THE WORK & CONFORMING TO 2025 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
2. CONTRACTOR SHALL OBTAIN & PAY FOR ALL PERMITS & ALL INSPECTIONS REQUIRED BY PUBLIC AUTHORITIES GOVERNING THE WORK
3. CONTRACTOR SHALL VERIFY ALL DIM. & CONDITIONS AT THE JOB SITE PRIOR TO START OF WORK. ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES.
4. CONTRACTOR SHALL SUBMIT REQUESTS for SUBSTITUTIONS, REVISIONS, or CHANGES TO ARCHITECT PRIOR TO PURCHASE, FABRICATION or INSTALLATION
5. CONTRACTOR SHALL PROTECT AREA OF WORK AND ADJACENT AREAS ON SITE FROM BEING DAMAGED DURING CONSTRUCTION
6. COORDINATE WORK WITH THE DISTRICT, INCLUDING SCHEDULING TIME & LOCATIONS FOR DELIVERIES, SITE ACCESS & USE OF SERVICES. MIN. DISTURBANCE TO NEIGHBORS
7. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS OFF SITE
8. MAINTAIN ALL EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES, AND ALARMS IN CONFORMANCE WITH CODES AND ORDINANCES
9. PATCH & REPAIR DAMAGED SURFACE (IN CONTRACT AREA & ALL DAMAGE SURFACES & IMPROVEMENTS DAMAGED DUE TO CONSTRUCTION ACTIVITY). AS REQD. TO & MATCH ADJACENT (E) SURFACES, PAINT AS REQUIRED.
10. CONTRACTOR SHALL VERIFY AT SITE THE EXTENT OF WORK WHICH MAY OR MAY NOT BE INDICATED BY CLOUDS OR OTHERWISE ON THE DRAWINGS.
11. MAINTAIN WORK AREAS SECURE AND LOCKABLE DURING CONSTRUCTION
12. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL GOVERN, IN CASE OF CONFLICT CONSULT ARCHITECT.
13. AT THE COMPLETION OF CONSTRUCTION, REPAIR ALL DAMAGE TO THE PAVED AND LANDSCAPED AREAS TO THE SATISFACTION OF ARCHITECT OF RECORD.
14. PATCHING AND PAINTING IS REQUIRED AT AREAS WHERE ITEMS HAVE BEEN REMOVED OR RELOCATED. PAINTING SHALL BE ON THE ENTIRE SURFACE, FLOOR TO CEILING CORNER TO CORNER. CLOSELY MATCH THE EXISTING CONDITION IN MATERIAL, TEXTURE, AND COLOR.
15. PROVIDE BARRICADES AND PROTECTION AS REQUIRED.
16. UNLESS SPECIFICALLY NOTED OTHERWISE IN THESE DRAWINGS, ALL EXISTING CONDITIONS SHALL REMAIN AS-IS
17. ALL CONST. AS INDICATED BY (E) IS EXISTING, UNLESS NOTED AS (N), IS NEW.
18. PARTITIONS ARE DIMENSIONED TO FACE OF STUD, UNLESS OTHERWISE NOTED. MAINTAIN DIMENSIONS MARKED "CLEAR". ALLOW FOR THICKNESS OF FINISHES.
19. COORDINATE AND PROVIDE BACKING FOR MILLWORK AND ITEMS ATTACHED OR MOUNTED TO WALLS or CEILINGS
20. CHANGES TO APPROVED DRAWINGS or SPEC'S SHALL BE MADE BY AN ADDENDA or CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
21. A 'DSA CERTIFIED' PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. DUTIES OF INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR). A DSA CERTIFIED INSPECTOR WITH CLASS 2 CERTIFICATION IS REQUIRED FOR THIS PROJECT.
22. IN CASE OF CONFLICT, THE MOST STRINGENT METHOD OF CONSTRUCTION PER CODE REQUIREMENTS SHALL GOVERN
23. ALL CONTRACTORS MAY FIELD WALK SITE DURING BIDDING PHASE TO FAMILIARIZE WITH (E) CONDITIONS. BIDDING CONTRACTOR SHALL VERIFY ALL (E) CONDITIONS & DIMENSIONS DURING THE BIDDING PHASE, INCLUDING ALL UTILITIES & OTHER WORKS & FACILITIES THAT MAY AFFECTS WORK. ANY DISCREPANCIES, CONFLICTS or OMISSIONS etc. SHALL BE REPORTED TO ARCHITECT BEFORE PROCEEDING WITH WORK. NO ALLOWANCE SHALL BE MADE FOR ANY EXTRA EXPENSE or EXTENSION OF TIME DUE TO CONTRACTOR'S FAILURE or NEGLECT OF COMPLETE EXAMINATION OF JOB SITE.
24. LOCATIONS OF UTILITIES IF INDICATED ON PLANS IS NOT GUARANTEED TO BE ACCURATE or COMPLETE, BUT IS PLOTTED for INFORMATION OF CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE EXACT LOCATIONS OF UTILITIES & THEIR SERVICE CONNECTIONS.
25. CONSTRUCTION DOCUMENTS ARE PROVIDED TO ILLUSTRATE DESIGN & GENERAL TYPE OF CONSTRUCTION DESIRED, & IMPLIES THE FINEST QUALITY OF CONSTRUCTION MATERIALS & WORKMANSHIP. CONTRACTOR IS ASSUMING RESPONSIBILITY FOR THE WORK INDICATED, & SHALL COMPLY WITH THE SPIRIT AS WELL AS THE LETTER IN WHICH THEY WERE DRAWN.
26. THE CONTRACTOR SHALL MAINTAIN LIABILITY INSURANCE TO PROTECT HIMSELF & HOLD THE LAUSD & DISTRICT ARCHITECT HARMLESS FROM ANY & ALL CLAIMS FOR DAMAGES, for PERSONAL or BODILY INJURIES or DEATH or PROPERTY DAMAGE DURING THE COURSE OF CONTRACT. CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THE SUPERVISION OF ALL WORK DONE BY ANY OF HIS SUBCONTRACTORS. CONTRACTOR'S RESPONSIBILITY FOR SUCH SUPERVISION SHALL INCLUDE ALL ASPECTS OF THE WORK, INCLUDING & WITHOUT LIMITATION OF SPEED, QUALITY & SAFETY THEREOF. ALL SUBCONTRACTORS SHALL BE DULY LICENSED, UNLESS OTHERWISE APPROVED BY THE OWNERS (LAUSD) IN WRITING.
27. THE CONTRACTOR GUARANTEES THAT THE WORK PERFORMED WILL BE FREE FROM FAULTY MATERIALS & WORKMANSHIP. UPON RECEIPT OF NOTIFICATION FROM THE LAUSD, CONTRACTOR SHALL REMEDY, REPAIR or REPLACE IMMEDIATELY WITHOUT COST TO LAUSD ALL DEFECTS or IMPERFECTIONS APPEARING IN THE WORK. IT SHALL BE UNDERSTOOD. U.O.N. THAT ALL MATERIALS & WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR BY CONTRACTOR FROM THE ACCEPTANCE OF THE PROJECT BY LAUSD.
28. THE INTENT OF DRAWINGS & SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHERIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING & SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317 (C), CBSAC, PART 1, TITLE 24, CCR)
29. THE INFORMATION CONTAINED IN THESE CONSTRUCTION DOCUMENTS ARE TO BE FIELD VERIFIED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR BIDDING.
30. DISTRICT OAR SHALL NOTIFY ARCHITECT OR ENGINEER OF RECORD (AOR/EOR), PRIOR TO CONSTRUCTION START DATE, FOR CONSTRUCTION OBSERVATION AND SUPPORT SERVICES.
31. (FOR ALL DSA APPROVED PROJECTS): NO SCOPE OF ANY WORK SHALL BE ADDED or DELETED FROM THE DSA APPROVED DOCUMENTS WITHOUT NOTIFYING ARCHITECT or ENGINEER OF RECORD (AOR/EOR) FOR APPROVAL. IF CHANGES ARE TO BE MADE, & CONSTRUCTION CHANGE DOCUMENT (CCD) SHALL BE FILED TO DSA BY THE AOR/EOR.
32. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

ABBREVIATIONS

A/C	AIR CONDITIONING	MAT	MATERIAL
AC	ASPHALTIC CONCRETE	MAX	MAXIMUM
ACC	ACCESSIBLE	MECH	MECHANICAL
ADJ	ADJUSTABLE	MFR	MANUFACTURER
AFF	ABOVE FINISH FLOOR	MIN.	MINIMUM
ALT	ALTERNATE	MISC	MISCELLANEOUS
ALUM	ALUMINUM	MTL	METAL
AUTO	AUTOMATIC		
		(N)	NEW
B/BOT	BOTTOM	N.I.C.	NOT IN CONTRACT
BM	BEAM	NO. #	NUMBER OR POUND
BD	BOARD	NTS	NOT TO SCALE
BLDG.	BUILDING		
BLK'G	BLOCKING		
		OC	ON CENTER
CA.	CALIFORNIA	OD	OUTSIDE DIAMETER
CL	CENTER LINE	O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
CLG	CEILING	O.F.& I.	OWNER FURNISHED & INSTALLED
CLF	CHAIN LINK FENCE	OPP	OPPOSITE
CLR.	CLEAR	OH	OPPOSITE HAND
CMU	CONC. MASONRY UNIT		
COMP	COMPOSITION		
CONC	CONCRETE	PL	PROPERTY LINE
CONT	CONTINUOUS	PA	PLANTING AREA
COORD	COORDINATION /COORDINATE	PL	PLATE
		PLAS	PLASTER
CSK	COUNTERSUNK	PLYWD	PLYWOOD
		P LAM	PLASTIC LAMINATE
DBL	DOUBLE		
DEMO	DEMOLITION	R, RAD	RADIUS
DIM	DIMENSION	REF	REFERENCE
DISP	DISPENSER	REINF	REINFORCEMENT
DET	DETAIL	RET	RETURN
DIA	DIAMETER	RM	ROOM
DN	DOWN	R RM	RESTROOM
DS	DOWNSPOUT	REQ'D	REQUIRED
DWG	DRAWING		
D.F.	DRINKING FOUNTAIN		
		SF	SQUARE FEET
		SIM	SIMILAR
EQ	EQUAL	SPEC	SPECIFICATION
EJ	EXPANSION JOINT	SQ	SQUARE
EXT	EXTERIOR	SS	STAINLESS STEEL
(E)	EXISTING EXIST EXISTING	STL.	STEEL
EXH	EXHAUST	STOR	STORAGE
		STD	STANDARD
FD	FLOOR DRAIN	STRUCT.	STRUCTURAL
FIN	FINISH	SUSP	SUSPENDED
FF	FINISH FLOOR	SW	SWITCH
FH	FIRE HYDRANT		
FIN	FINISH	T	TOP
FLR	FLOOR	T.B.	TACK BOARD
FOM	FACE OF MASONRY	T.C.	TOP OF CURB
FOS	FACE OF STUDS	TOS	TOP OF SLAB
FT (')	FOOT, FEET	TOW	TOP OF WALL
		THRESH.	THRESHOLD
GA	GAUGE	TYP.	TYPICAL
GALV	GALVANIZED		
GL	GLASS	UNO /	UNLESS (OTHERWISE)
GYP	GYPSUM BOARD	UON	NOTED OTHERWISE
GEN'L	GENERAL		
		VAR	VARIES
HC	HOLLOW CORE	V..T.	VINYL COMPOSITION TILE
HR	HOUR	VER.	VERTICAL
HT	HEIGHT	V I F	VERIFY IN FIELD
ID	INSIDE DIAMETER	WD	WOOD
IN, (")	INCH	WO	WHERE OCCURS
INSUL	INSULATION	WP	WATER PROOF
INT	INTERNATIONAL	WR	WATER RESISTANT
		WT	WEIGHT
LAM	LAMINATED	WWF	WELDED WIRE FABRIC
LAV	LAVATORY		
LOC.	LOCATION		
lb./lbs	POUND		

PROJECT DIRECTORY

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APPLICABLE CODES

PART 1 - 2025 CA. ADMINISTRATION CODE, TITLE 24 CCR
PART 2 - 2025 CA. BUILDING CODE, TITLE 24 CCR
PART 3 - 2025 CA. ELECTRICAL CODE, TITLE 24 CCR (2020 NEC OF THE NFPA)
PART 4 - 2025 CA. MECHANICAL CODE, TITLE 24 CCR (2018 UMC OF THE IAPMO)
PART 5 - 2025 CA. PLUMBING CODE, TITLE 24 CCR (2018 UPC OF THE IAPMO)
PART 6 - 2025 CA. ENERGY CODE, TITLE 24 CCR
PART 7 - CURRENTLY VACANT
PART 8 - 2025 CA. HISTORICAL BUILDING CODE, TITLE 24 CCR
PART 9 - 2025 CA. FIRE CODE, TITLE 24 CCR
PART 10 - 2025 CA. EXISTING BUILDING CODE, TITLE 24 CCR
PART 11 - 2025 CA. GREEN BUILDING STANDARDS CODE (CALGREEN CODE), TITLE 24 CCR
PART 12 - 2025 CA. REFERENCED STANDARDS, TITLE 24 CCR
2010 - ADA STANDARD FOR ACCESSIBILITY DESIGN
2025 NFPA 13 - AUTOMATIC SPRINKLER SYSTEMS (CA. AMENDED)
2024 NFPA 14 - STANDPIPE SYSTEMS (CA AMENDED)
2024 NFPA 17 - DRY CHEMICAL EXTINGUISHING SYSTEMS
2024 NFPA 17A - WET CHEMICAL EXTINGUISHING SYSTEMS
2025 NFPA 20 - STATIONARY PUMPS
2023 NFPA 22 - STANDARD WATER TANKS FOR PRIVATE FIRE PROTECTION
2025 NFPA 24 - PRIVATE FIRE SERVICE MAINS (CA AMENDED)
2025 NFPA 72 - NATIONAL FIRE ALARM CODE (CA. AMENDED); (SEE UL STD. 1971 FOR "VISUAL DEVICES")

SCOPE OF WORK

1. REMOVE (1) EXISTING SCOREBOARD, SCOREBOARD CONCRETE FOOTING, AND ELECTRICAL CONDUITS AND WIRING
2. CONSTRUCTION OF (2) NEW SCOREBOARDS WITH NEW FOOTINGS AND ELECTRICAL CONNECTIONS PER THESE DRAWINGS

SHEET INDEX

INDEX NO.	SHEET NO.	DESCRIPTION
1	G-001	TITLE SHEET
CIVIL		
2	TS1.00	TOPOGRAPHIC SURVEY
ARCHITECTURAL		
3	A-101	SCOREBOARD PLANS & ELEVATIONS
STRUCTURAL		
4	S-0.1	STRUCTURAL GENERAL NOTES
5	S-1.1	SCOREBOARD DETAILS
ELECTRICAL		
6	E-1	ELEC. SYMBOL, GENERAL NOTES, AND ABBREVIATIONS
7	E-2	PARTIAL ELECTRICAL SITE PLAN
8	E-3	PARTIAL ELECTRICAL SITE PLAN
9	E-4	ELECTRICAL DETAILS
PC #04-122194 - DAKTRONICS SOCREBOARD		
10	SHEET 1	SCOREBOARD PC COVER SHEET
11	SHEET 2	DSA 103 SPECIAL INSPECTION FORM
12	SHEET 3	DSA 103 SPECIAL INSPECTION FORM (CONT.)
13	SHEET 4	EQUIPMENT MOUNTING DETAILS (WITHOUT VIDEO DISPLAY)
14	SHEET 9	TWO -COLUMN STRUCTURE DETAILS W/ PIER FOUNDATIONS

TOTAL SHEETS: 14

CALGREEN VOC LIMITS

Table 5.504.4.1
ADHESIVE VOC LIMIT[1,2]
Less Water and Less Exempt Compounds in Grams per Liter

Architectural Applications	Current VOC Limit
Indoor carpet	50
Carpet pad adhesives	50
Outdoor carpet	150
Wood flooring	100
Rubber floor	60
Subfloor adhesives	50
Ceramic tile adhesives	65
VCT and asphalt tile	50
Drywall and panel	50
Cove base adhesives	50
Multipurpose	70
Structural glazing	100
Single-ply roof	250
Other adhesive not	50
Specialty	
PVC welding	510
CPVC welding	490
ABS welding	325
Plastic cement	250
Adhesive primer for	550
Contact adhesive	80
Special purpose	250
Structural wood	140
Top and trim adhesive	250
Substrate Specific	
Metal to metal	30
Plastic foams	50
Porous material	50
Wood	30
Fiberglass	80

1. If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.
2. For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District Rule 1168, at https://ww2.arb.ca.gov/resources

Table 5.504.4.2
SEALANT VOC LIMIT
Less Water and Less Exempt Compounds in Grams per Liter

Sealants	Current VOC Limit
Architectural	250
Marine deck	760
Non-membrane roof	300
Roadway	250
Single-ply roof	450
Other	420
Sealant Primers	
Architectural:	250
Modified bituminous	500
Marine deck	760
Other	750

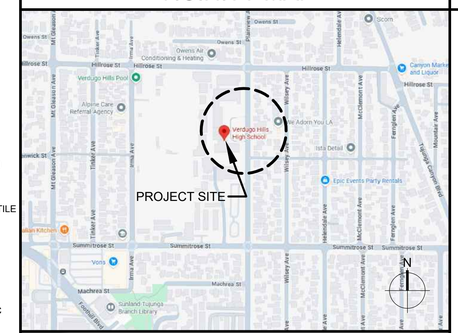
Note: For additional information regarding methods to measure the VOC content specified in these tables, see South Coast Air Quality Management District Rule

Table 5.504.4.3
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS[2,3]
Grams of VOC Per Liter of Coating, Less Water & Less Exempt Compounds

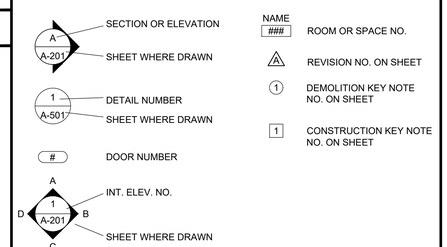
Coating Category	
Flat coatings	50
Nonflat coatings	100
Nonflat high gloss	150
Specialty Coatings	
Aluminum roof	400
Basement specialty	400
Bituminous roof	50
Bituminous roof	350
Bond breakers	350
Concrete curing	350
Concrete/masonry	100
Driveway sealers	50
Dry fog coatings	150
Faux finishing	350
Fire resistive coatings	350
Floor coatings	100
Form-release	250
Graphic arts coatings	500
High-temperature	420
Industrial	250
Low solids coatings[1]	120
Magnesite cement	450
Mastic texture	100
Metallic pigmented	500
Multicolor coatings	250
Pretreatment wash	420
Primers, sealers, and	100
Reactive penetrating	350
Recycled coatings	250
Roof coatings	50
Rust preventative	250
Shellacs:	
Clear	730
Opaque	550
Specialty primers,	100
Stains	250
Stone consolidants	450
Swimming pool	340
Traffic marking	100
Tub and tile	420
Waterproofing	250
Wood coatings	275
Wood preservatives	350
Zinc-rich primers	340

1. Grams of VOC per liter of coating, including water and including exempt compounds.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the table.
3. Values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Suggested Control Measure, Feb 1, 2008. More information is available from the Air Resources Board.

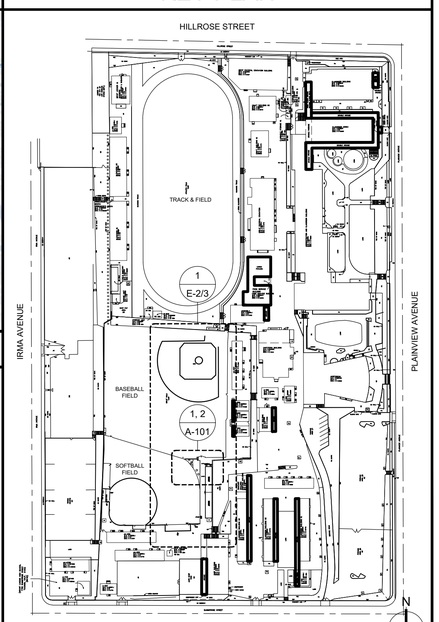
VICINITY MAP



SYMBOLS



KEY PLAN



DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126041 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 06/24/2026

LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213) 241-3952
EMAIL: HERRICK.AU@LAUSD.NET

PROJECT TITLE AND SCHOOL LOCATION

NEW SCOREBOARDS FOR SOFTBALL & BASEBALL

COLIN # 10375279

VERDUGO HILLS HIGH SCHOOL

10625 PLAINVIEW AVE
TUJUNGA, CA 91042

COMMISSIONED ARCHITECT

LICENSED ARCHITECT
HERRICK Y. AU
No. C 25770
Ren. 1-31-27
STATE OF CALIFORNIA

CONSULTANT

STAMPS/SEALS

BID SET

1	BID SET	09/22/2026
	ADDENDUM 02	10/26/2026

SHEET TITLE:

TITLE SHEET, SHEET INDEX, KEY PLAN

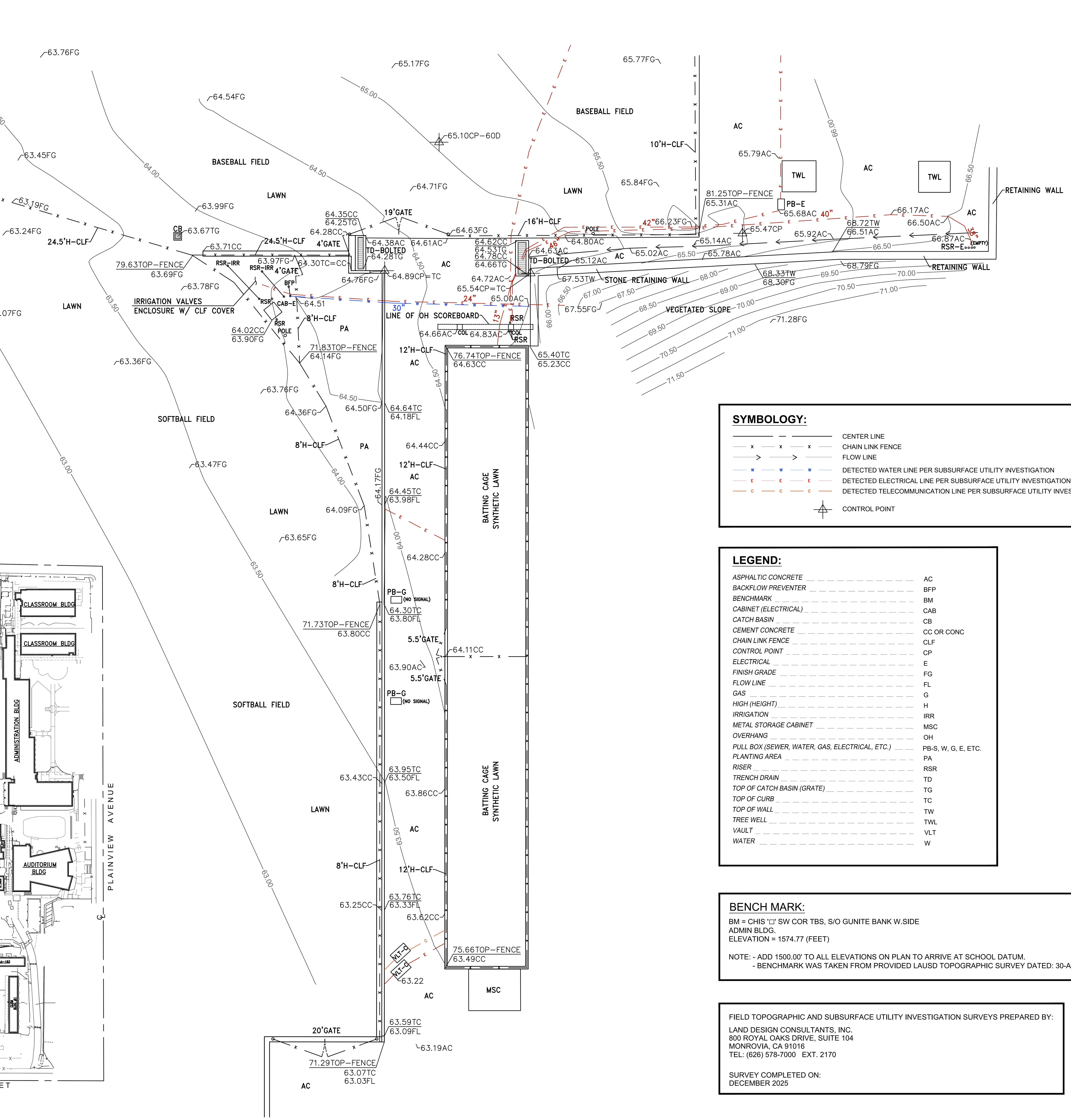
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DRAWN: SK	CHECKED: HA

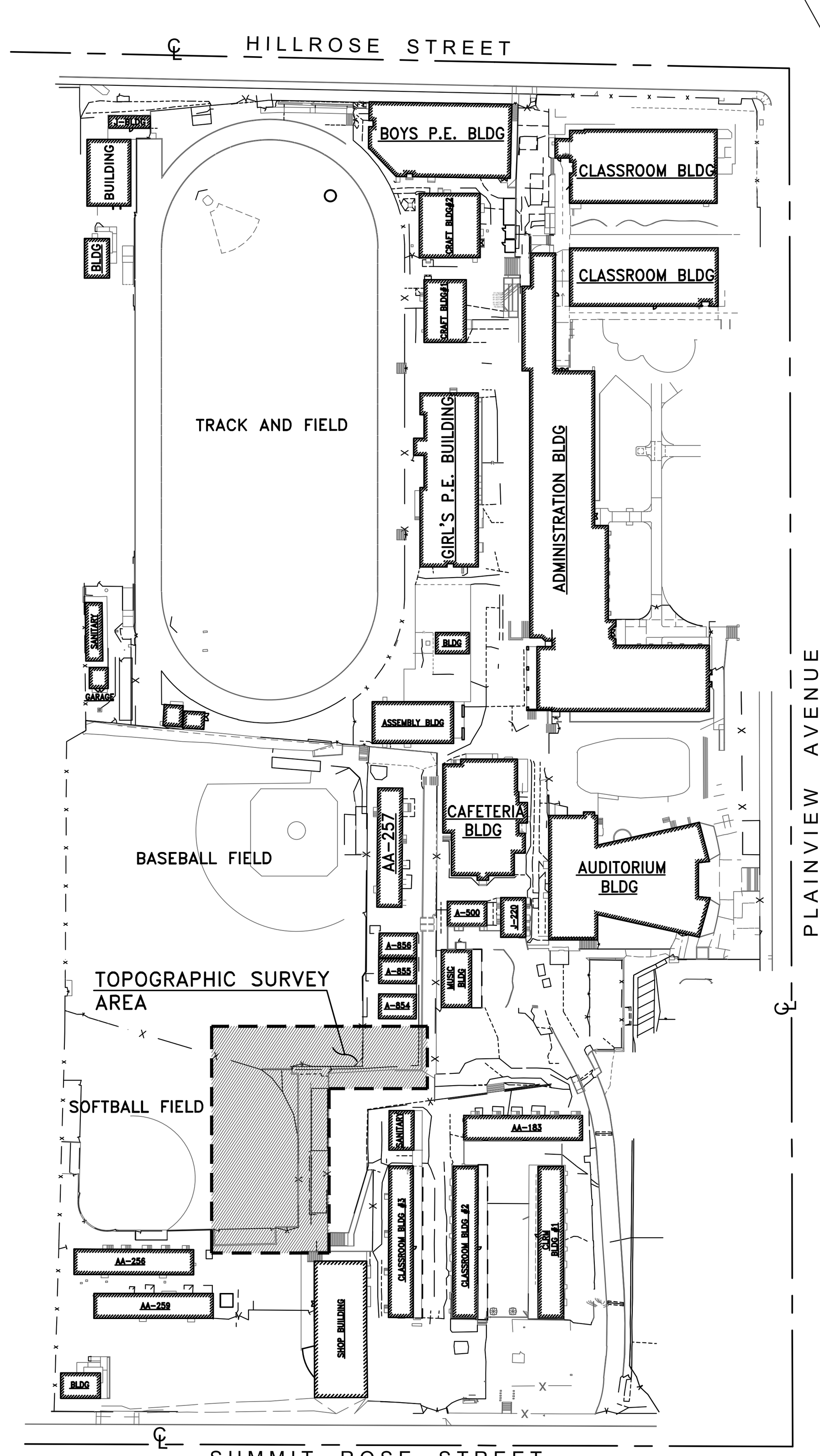
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G-001

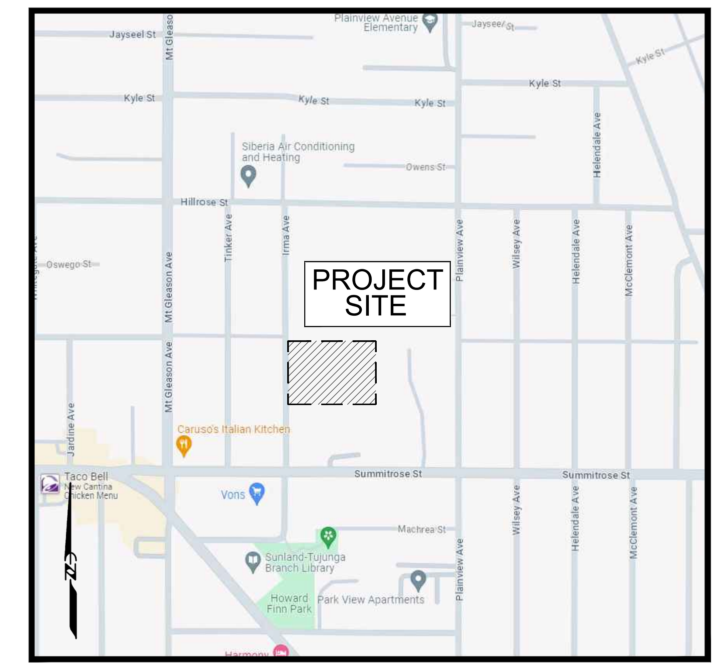
DATE: 05-26-26 SHEET: 1 OF: 14

I:\AE Service - Arch Unit\1.1-Active projects\3-program-2025 scoreboard projects\Verdugo Hills HS DSR1\14408 - 2 scoreboard project\DWGs\CAD\G-001 - TITLE SHEET.dwg • SHINNIE KANG - 6/3/2026 3:12 PM





KEY MAP
SCALE: NOT TO SCALE



VICINITY MAP
NOT TO SCALE

SYMBOLOGY:

CENTER LINE	
CHAIN LINK FENCE	
FLOW LINE	
DETECTED WATER LINE PER SUBSURFACE UTILITY INVESTIGATION	
DETECTED ELECTRICAL LINE PER SUBSURFACE UTILITY INVESTIGATION	
DETECTED TELECOMMUNICATION LINE PER SUBSURFACE UTILITY INVESTIGATION	
CONTROL POINT	

LEGEND:

ASPHALTIC CONCRETE	AC
BACKFLOW PREVENTER	BFP
BENCHMARK	BM
CABINET (ELECTRICAL)	CAB
CATCH BASIN	CB
CEMENT CONCRETE	CC OR CONC
CHAIN LINK FENCE	CLF
CONTROL POINT	CP
ELECTRICAL	E
FINISH GRADE	FG
FLOW LINE	FL
GAS	G
HIGH (HEIGHT)	H
IRRIGATION	IRR
METAL STORAGE CABINET	MSC
OVERHANG	OH
PULL BOX (SEWER, WATER, GAS, ELECTRICAL, ETC.)	PB-S, W, G, E, ETC.
PLANTING AREA	PA
RISER	RSR
TRENCH DRAIN	TD
TOP OF CATCH BASIN (GRATE)	TG
TOP OF CURB	TC
TOP OF WALL	TW
TREE WELL	TWL
VAULT	VLT
WATER	W

BENCH MARK:

BM = CHIS '□' SW COR TBS, S/O GUNITE BANK W.SIDE
ADMIN BLDG.
ELEVATION = 1574.77 (FEET)

NOTE: - ADD 1500.00' TO ALL ELEVATIONS ON PLAN TO ARRIVE AT SCHOOL DATUM.
- BENCHMARK WAS TAKEN FROM PROVIDED LAUSD TOPOGRAPHIC SURVEY DATED: 30-AUG-2017

FIELD TOPOGRAPHIC AND SUBSURFACE UTILITY INVESTIGATION SURVEYS PREPARED BY:

LAND DESIGN CONSULTANTS, INC.
800 ROYAL OAKS DRIVE, SUITE 104
MONROVIA, CA 91016
TEL: (626) 578-7000 EXT. 2170

SURVEY COMPLETED ON:
DECEMBER 2025

N
SCALE= 1"=10'
GRAPHIC SCALE
10 0 5 10 20 30
(IN FEET)

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126041 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 06/24/2026

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

VERDUGO HILLS HIGH SCHOOL

10625 PLAINVIEW AVE.
TUJUNGA CA, 91042

PARTIAL TOPOGRAPHIC SURVEY

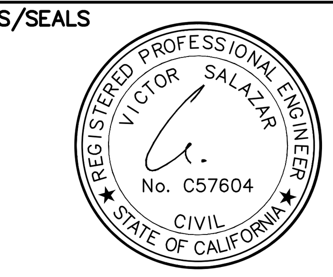
COMMISSIONED ARCHITECT

REFERENCE ONLY

CONSULTANT

LAND DESIGN CONSULTANTS, INC.
800 ROYAL OAKS DRIVE, SUITE 104,
MONROVIA, CALIFORNIA 91016
Tel: (626) 578-7000
Fax: (626) 578-7373

STAMPS/SEALS



1	BID SET	09/22/2026
	ADDENDUM 02	10/26/2026

SHEET TITLE:

PARTIAL TOPOGRAPHIC SURVEY OF SCOREBOARD AREA

PROJECT NO.:	PROJECT ARCH:
DRAWN: F.B.	CHECKED: V.S.

SHEET NUMBER

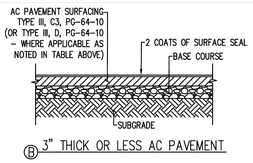
TS1.00

DATE: 01/09/2026 SHEET: 2 OF: 14

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LOCATION	ASPHALT CONCRETE		BASE COURSE			
	THICKNESS	MIX	THICKNESS EXISTING PAVED SITE	THICKNESS NEW UNPAVED SITE	TYPE	GRADE
~~PAVED SLOPE~~	~~2"~~	~~TYPE III, D, PG-64-10~~	~~NONE~~	~~NONE~~	~~NONE~~	~~NONE~~
BETWEEN BUILDINGS	3" (B)	TYPE III, C3, PG-64-10*	3"	4"	CAB	FINE
~~PLAYGROUND~~	~~2"~~	~~TYPE III, C3, PG-64-10*~~	~~3"~~	~~4"~~	~~CAB~~	~~FINE~~
~~PARKING, FIRE LANE~~	~~3"~~	~~TYPE III, C3, PG-64-10*~~	~~4"~~	~~4"~~	~~CAB~~	~~FINE~~
~~DRIVEWAY FOR TRASH & DELIVERY TRUCKS~~	~~4"~~	~~2" TYPE III, C3, PG-64-10~~	~~6"~~	~~6"~~	~~CAB~~	~~FINE~~
		~~2" TYPE III, B3, PG-64-10~~				

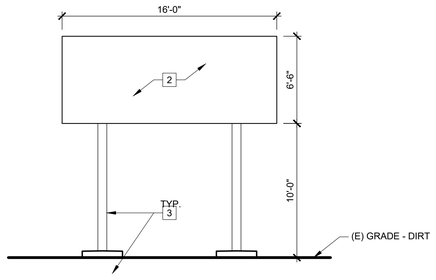
* FOR TIGHT SPACES WHERE VEHICULAR ACCESS IS NOT FEASIBLE AND HAND COMPACTOR IS NECESSARY, USE TYPE III, CLASS D, PG-64-10 MIX.



Ⓑ 3" THICK OR LESS AC PAVEMENT

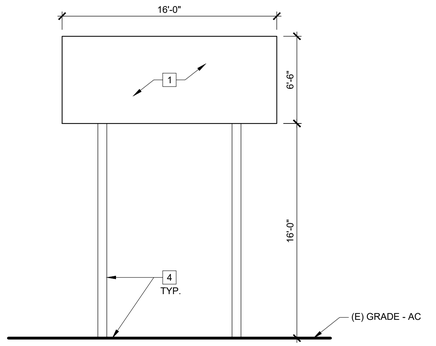
AC PAVEMENT

SCALE: NTS | 5



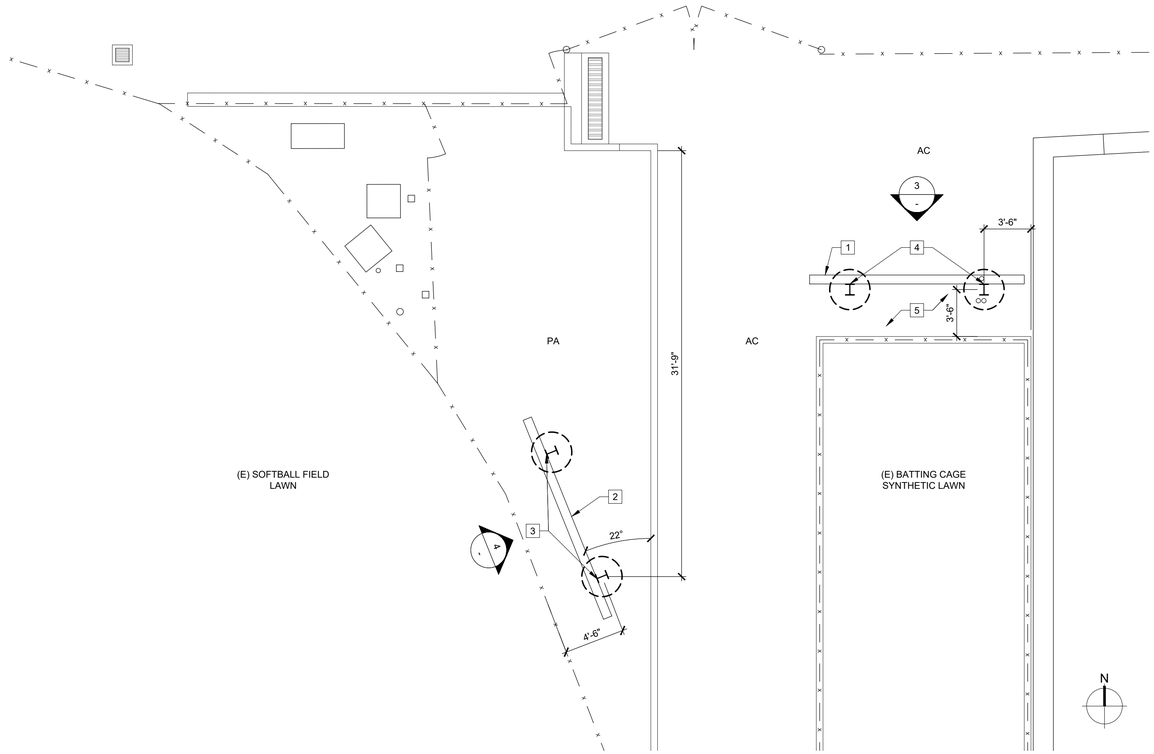
ELEVATION - SCOREBOARD #2 - PC

SCALE: 3/16" = 1'-0" | 4



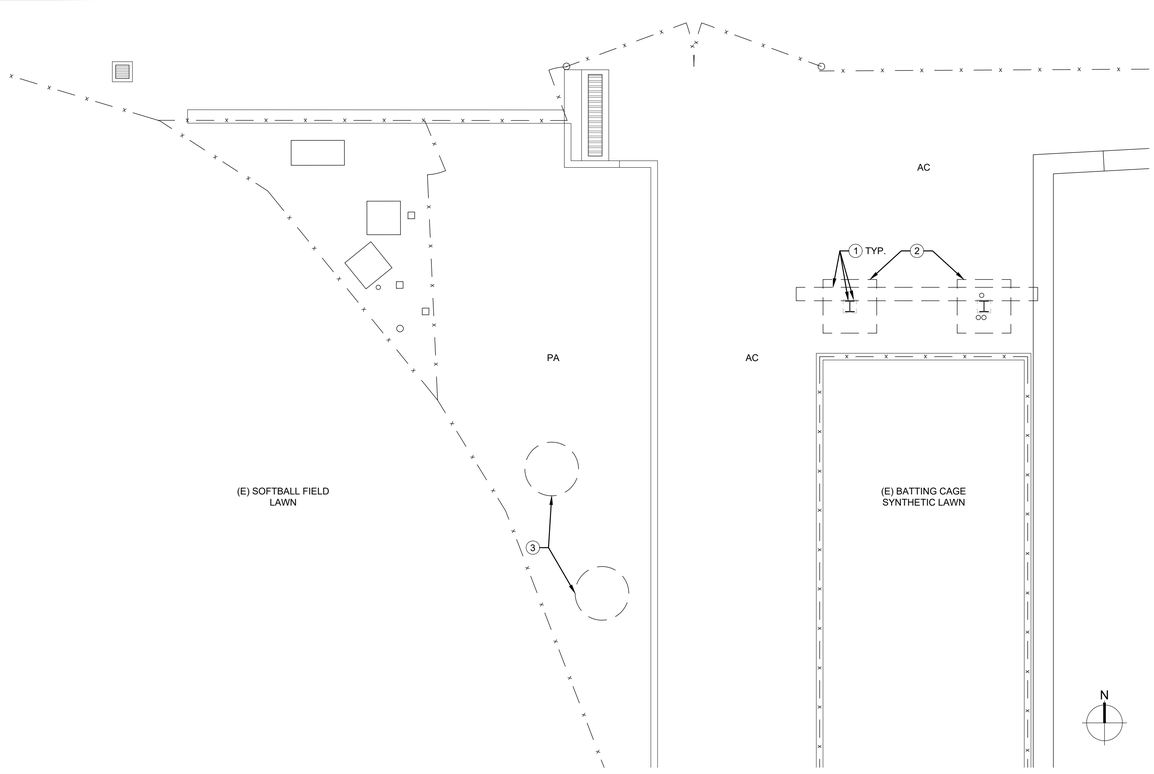
ELEVATION - SCOREBOARD #1

SCALE: 3/16" = 1'-0" | 3



SCOREBOARD PROPOSED PLAN

SCALE: 3/16" = 1'-0" | 2



SCOREBOARD DEMOLITION PLAN

SCALE: 3/16" = 1'-0" | 1

NOTES

1. REFER TO CUT SHEETS AND PC DRAWINGS FOR EXACT DIMENSIONS
2. REFER TO STRUCTURAL AND ELECTRICAL DRAWINGS FOR INSTALLATION DETAILS

CONSTRUCTION KEYNOTES

1. SCOREBOARD #1 - NEW BASEBALL SCOREBOARD W/ PROTECTIVE NETTING @ EXISTING LOCATION, DAKTRONICS BA-2022
2. SCOREBOARD #2 - NEW SOFTBALL SCOREBOARD W/ PROTECTIVE NETTING, DAKTRONICS BA-2022 PER PC #04-122194
3. HOT DIPPED GALV. STEEL COLUMNS W/ CONC. FOOTINGS PER PC DWGS, REFER TO PC #04-122194 - SHEET 9
4. HOT DIPPED GALV. STEEL COLUMNS W/ CONC. FOOTINGS PER STRUCTURAL, REFER TO S-1.1
5. PATCH AND REPAIR AC PAVING - APPROX. 8 CF - (2) 48" x 48" x 3", SEE DETAIL 5/- FOR AC PAVING REQUIREMENTS

DEMOLITION KEYNOTES

1. REMOVE AND DISPOSE OF (E) SCOREBOARD, STRUCTURE AND FOOTING IN THEIR ENTIRETY
2. DEMOLISH AREA AROUND (E) CAISSONS - APPROX. 4' x 4' x 10'H
3. REMOVE DIRT FOR FOOTINGS INSTALLATION - APPROX. 4' DIA. x 10'H

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126041 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 06/24/2026

LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213) 241-3952
EMAIL: HERRICK.AU@LAUSD.NET

PROJECT TITLE AND SCHOOL LOCATION

NEW SCOREBOARDS
FOR SOFTBALL
& BASEBALL

COLIN # 10375279

VERDUGO HILLS
HIGH SCHOOL

10625 PLAINVIEW AVE
TUJUNGA, CA 91042

COMMISSIONED ARCHITECT

LICENSED ARCHITECT
HERRICK T. AU
No. C 25770
Ren. 1-31-27
STATE OF CALIFORNIA

CONSULTANT

STAMPS/SEALS

BID SET

1	BID SET	09/22/2026
	ADDENDUM 02	10/26/2026

SHEET TITLE:

SCOREBOARD PLANS
& ELEVATIONS

PROJECT NO.:	PROJECT ARCH: HA
DRAWN: SK	CHECKED: HA

SHEET NUMBER

A-101

DATE: 04-03-26 | SHEET: 3 OF: 14

GENERAL NOTES:

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

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

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

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

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

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

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

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

REINFORCING STEEL NOTES:

1. REINFORCING GRADES FOR CONCRETE OR MASONRY:
   - ALL BARS TO ASTM A615, GRADE 60
   - TIES AND STIRRUPS ASTM A615, GRADE 60

2. MAINTAIN MINIMUM CONCRETE COVER FROM FACE OF CONCRETE TO EDGE OF ALL REINFORCEMENT AS FOLLOWS (U.N.O.) AND PROVIDE THE LARGEST COVER REQUIRED FOR ALL APPLICABLE CONDITIONS. WHERE #3 STIRRUPS OR TIES ARE USED, ENSURE THAT THE COVER FOR LONGITUDINAL BARS IS ADEQUATE.
   (SEE PLAN/ SECTION FOR CONCRETE W/ FIRE RATING.)

CONDITION	COVER
CONCRETE POURED AGAINST EARTH	3"
CONCRETE POURED IN FORMS AND EXPOSED TO WEATHER OR EARTH	
#6 BARS AND LARGER	2"
#5 BARS AND SMALLER	1 1/2"
INTERIOR COLUMNS AND BEAMS	1 1/2"
INTERIOR WALL FACES AND RAISED SLABS	1"
STRUCTURAL SLABS ON GRADE	
FROM BOTTOM OF SLAB	2"
FROM TOP OF SLAB	1 1/2"
OTHER CONCRETE NOT EXPOSED TO WEATHER OR EARTH FOR #11 BARS AND SMALLER	1"

3. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE". EACH REINFORCING BAR SHALL BE WIRED TO A CROSS BAR AT A MAXIMUM SPACING OF 24" O.C. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING IN POSITIONS SHOWN ON THE PLANS.

4. SPLICES IN CONTINUOUS REINFORCEMENT AS USED IN WALLS, FOOTINGS, SLABS, ETC., SHALL HAVE A CLASS "B" LAP (1' - 6" MIN) AND THE SPLICES IN ADJACENT BARS SHALL BE NOT LESS THAN 5' - 0" APART. VERTICAL WALL BARS SHALL BE SPLICED AT OR NEAR FLOOR LINES. BARS MAY BE WIRED TOGETHER AT SPLICES OR LAPS EXCEPT FOR TOP REINFORCING OF BEAMS AND SLABS OR WHERE SPECIFICALLY DETAILED TO BE SEPARATED. WELDED WIRE FABRIC SHALL BE LAPPED 12" MINIMUM.

5. ALL DOWELS, ANCHOR BOLTS AND OTHER HARDWARE TO BE SET IN CONCRETE SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. NO WET SETTING, STABBING, RODDING OR OTHER MOVEMENT OF EMBEDDED ITEMS SHALL BE PERFORMED DURING PLACEMENT OF CONCRETE.

6. BEND REINFORCING BARS COLD.

7. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.

8. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN PLACE INSPECTION IS MADE.

9. CHAIRS OR SPACERS FOR REINFORCING SHALL BE NON-FERROUS OR PLASTIC COATED WHEN RESTING ON EXPOSED SURFACES.

STRUCTURAL CONCRETE NOTES:

1. CONCRETE SHALL BE MIXED, PLACED AND CURED IN ACCORDANCE WITH ACI 318, 2019 EDITION, AND PROJECT SPECIFICATIONS.

2. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES, HOPPERS AND VERTICAL CHUTES OR TRUNKS SHALL BE USED. CHUTES OR TRUNKS SHALL BE OF VARIABLE LENGTHS SO THAT FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED SIX FEET. A SUFFICIENT NUMBER OF CHUTES OR TRUNKS SHALL BE USED TO ENSURE THE CONCRETE IS KEPT LEVEL AT ALL TIMES.

3. STRUCTURAL CONCRETE SHALL MEET THE FOLLOWING DESIGN CRITERIA:

LOCATION	f'c	CONC TYPE	MAX AGGR. SIZE	MAX W/C RATIO	MAX SLUMP[a]	CEMENT TYPE
FOUNDATIONS	4000 psi	NWC	1 1/2"	0.45	4"	II/V

   a. SLUMP MEASURED PRIOR TO SUPERPLASTICIZER, WHERE OCCURS.

4. CONCRETE MIX DESIGN AND TESTING SHALL MEET THE REQUIREMENTS OF THE BUILDING CODE, AND SPECIFICATIONS. ALL CONCRETE MIXES SHALL BE DESIGNED BY A RECOGNIZED TESTING LAB STAMPED AND SEALED BY A LICENSED CALIFORNIA CIVIL ENGINEER AND SUBMITTED TO THE SEOR FOR REVIEW PRIOR TO CONCRETE PLACEMENT. STRUCTURAL CONCRETE MIXES SHALL CONSIST OF 5 SACK MINIMUM U.N.O.

5. AGGREGATES IN NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C-33 (HARDROCK).

6. COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND THE SEOR.

7. PORTLAND CEMENT SHALL BE AS NOTED ABOVE FOR ALL CONCRETE CONFORMING TO ASTM C150, LOW ALKALI. MILL TESTS WITH CERTIFICATES OF COMPLIANCE SHALL BE SUBMITTED.

8. FLY ASH OR OTHER POZZOLANS CONFORMING TO ASTM C618 CLASS N OR F MAY BE USED AS A PARTIAL SUBSTITUTION FOR PORTLAND CEMENT UP TO A MAXIMUM OF 15% TOTAL CEMENTITIOUS MATERIALS BY WEIGHT IF THE MIX DESIGN IS PROPORTIONED PER ACI 318, SECTION 26.4.3.

9. CONCRETE MIXING OPERATIONS, ETC. SHALL CONFORM TO ASTM C94.

10. DO NOT USE ANY CONCRETE OR GROUT CONTAINING CHLORIDES. WATER USED IN MIX SHALL BE CLEAN AND POTABLE.

11. PRIOR TO ERECTING ANY ELEMENTS THAT LOAD THE FOUNDATION, CONCRETE MUST REACH AN UNCONFINED COMPRESSION STRENGTH OF 2000 PSI MINIMUM AS DETERMINED BY TESTING OR PREVIOUSLY DOCUMENTED DATA FOR THE MIX DESIGN USED UNDER SIMILAR CONDITIONS, AND MUST BE ALLOWED TO CURE FOR A MINIMUM OF 3 DAYS.

12. MAINTAIN CONCRETE ABOVE 50 DEGREES FAHRENHEIT AND IN A MOIST CONDITION FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT UNLESS OTHERWISE ACCEPTED BY SEOR.

STRUCTURAL STEEL NOTES:

1. DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE SPECIFICATIONS AND STANDARD OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), AS CONTAINED IN THE 15TH EDITION OF "AISC MANUAL OF STEEL CONSTRUCTION".

2. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS IS PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.

3. PROVIDE THE FOLLOWING MATERIALS FOR STRUCTURAL STEEL U.N.O.: STRUCTURAL STEEL GRADES:

SECTION:	ASTM/GRADE:
ALL WIDE FLANGE SECTIONS, TEES	ASTM A992
PLATES, ANGLES, CHANNELS & TEES	ASTM A36

4. 1/8" THICK PLATES AND THICKER SHALL BE GAS CUT OR SAW CUT EXCEPT AS OTHERWISE NOTED, ALL BOLTS SHALL BE HIGH STRENGTH BOLTS. EXCEPT OTHERWISE NOTED, ALL BOLT HOLES SHALL BE STANDARD HOLES.

5. ALL CONNECTIONS NOT SHOWN SHALL CONFORM TO THE "AISC MANUAL OF STEEL CONSTRUCTION" AND SHALL BE SUBMITTED ON SHOP DRAWINGS FOR REVIEW BY SEOR PRIOR TO FABRICATION.

6. ALL STEEL FABRICATION SHALL BE PERFORMED BY A AISC OR CITY OF LOS ANGELES CERTIFIED FABRICATOR.

7. ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL PERMANENTLY EXPOSED TO THE ELEMENTS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION UNLESS A WEATHER PROOF COATING IS SPECIFIED BY THE ARCHITECT U.N.O. STAINLESS AND WEATHERING STEELS ARE EXCEPTED WHERE SPECIFIED.

8. DO NOT CUT HOLES IN STRUCTURAL STEEL WITHOUT PRIOR APPROVAL OF SEOR.

9. FOR STRUCTURAL STEEL, IN ADDITION TO THE REQUIREMENTS OF SPECIFICATION SECTION A3.1c, HOT ROLLED SHAPES WITH FLANGES 1 1/2" THICK AND THICKER SHALL HAVE MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT 70°F. PLATES 2" THICK AND THICKER SHALL HAVE A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LB AT 70°F.

WELDING NOTES:

1. WELDING PROCEDURES, ELECTRODES AND WELDER QUALIFICATIONS SHALL CONFORM TO THE "CODE FOR WELDING IN BUILDING CONSTRUCTION", AMERICAN WELDING SOCIETY (AWS), D1.1, D1.8 AND THE AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS".

2. ALL WELDERS SHALL HAVE EVIDENCE OF PASSING THE AWS STANDARD QUALIFICATION TESTS, AND SHALL BE CERTIFIED FOR THE WORK THEY ARE PERFORMING.

3. PROJECT WELDING SHALL BE PERFORMED ONLY IN ACCORDANCE WITH WELDING PROCEDURE SPECIFICATIONS (WPS) SUBMITTED BY THE CONTRACTOR AND REVIEWED BY THE SEOR AND PROJECT WELDING INSPECTOR. THE WPS SHALL BE IN ACCORDANCE WITH AWS D1.1-D1.4 & D1.8 CURRENT EDITION.

4. WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED PER AWS D1.1 & D1.8 USING E70XX ELECTRODES UNLESS OTHERWISED NOTED.

5. ALL EXPOSED WELDS ON ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL COMPLY WITH AISC CODE OF STANDARD PRACTICE, SECTION 10.

6. FIELD WELDS HAVE BEEN INDICATED WHERE THEY ARE EXPECTED TO OCCUR. THE CONTRACTOR SHALL DETERMINE THE ACTUAL FIELD WELDING NECESSARY TO COMPLETE THE PROJECT AND INCLUDE ALL ASSOCIATED COSTS WITHIN THE BASE BID.

7. ALL WELDS (SHOP AND FIELD) REQUIRE SPECIAL INSPECTION.

STRUCTURAL DESIGN CRITERIA:

1. CODES:
   ALL WORK SHALL BE IN CONFORMANCE WITH THE CALIFORNIA BUILDING CODE (CBC) 2025 EDITION, INCLUDING ALL AMENDMENTS. ALL STANDARDS USED SHALL BE THE LATEST VERSION APPROVED BY THE CODE ENFORCEMENT AGENCY ON THE DATE OF THE PERMIT ISSUANCE UNLESS SPECIFICALLY NOTED OTHERWISE.

2. WIND DESIGN INFORMATION
   - RISK CATEGORY = II
   - BASIC WIND SPEED, V = 95 MPH
   - EXPOSURE = C
   - Kz = 0.91, Kd = 0.85, Kzt = 1.0

3. SEISMIC DESIGN INFORMATION (ASCE 7)
   - RISK CATEGORY = II Ie = 1.0
   - SITE CLASS = DEFAULT
   - S_S = 2.29, S_1 = 0.77 S_{DS} = 1.64 S_{D1} = 1.20
   - SEISMIC DESIGN CATEGORY= E
   - ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE
   - HORIZONTAL IRREGULARITIES = N/A
   - VERTICAL IRREGULARITIES = N/A
   - SLRS = GROUND-SUPPORTED CANTILEVER WALLS (CH.15)
     R = 1.25, C_d = 2.5, Ω_o = 2.0, Rho = 1.0

EXISTING CONDITIONS NOTES:

1. FIELD VERIFY ALL CONDITIONS & DIMENSIONS PRIOR TO SHOP DRAWING PRODUCTION AND FABRICATION OF STRUCTURAL ELEMENTS.

2. WHERE ALL OTHER EXISTING CONDITIONS VARY SIGNIFICANTLY FROM THOSE SHOWN ON THESE DRAWINGS, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED PRIOR TO CONTINUED CONSTRUCTION RELATED TO SUBJECT CONDITIONS.

FOUNDATION NOTES AND SOILS INFORMATION:

1. SEE SOIL REPORT BY: **GEOCON WEST, INC.**
   REPORT NO.: **A8326-06-63G** DATED: **JAN 30, 2026**

2. PILE FOUNDATION DESIGN PARAMETERS:
   a. LATERAL CAPACITY AT UNDISTURBED ALLUVIAL SOILS:
      - ALLOWABLE PASSIVE PRESSURE, PASSIVE ONLY = **280 PSF/FT (2,800 PSF MAX)**
      - WHEN INCLUDING SHORT-TERM USE 280 X 1.33 = **370 PSF/FT**
   b. LATERAL CAPACITY AT EXISTING FILL SOILS:
      - ALLOWABLE PASSIVE PRESSURE, PASSIVE ONLY = **150 PSF/FT**
      - WHEN INCLUDING SHORT-TERM USE 150 X 1.33 = **200 PSF/FT**
3. THE CONTRACTOR SHALL CONFORM TO ALL RECOMMENDATIONS AND CONDITIONS INDICATED IN THE SOIL REPORT. THE GEOTECHNICAL ENGINEER SHALL OBSERVE ALL FOOTING EXCAVATIONS PRIOR TO PLACING CONCRETE.

4. SUBSURFACE SOIL PREPARATION:
   A. ALL EXISTING UNDOCUMENTED FILL SHALL BE REMOVED AND RECOMPACTED. ALL TOPSOILS SHALL BE REMOVED AS REQUIRED BY THE GEOTECHNICAL ENGINEER.
   B. GEOTECHNICAL ENGINEER SHALL BE RETAINED DURING THE OVEREXCAVATION PROCESS. THE ACTUAL DEPTH OF REMOVAL WILL BE DETERMINED DURING GRADING OPERATIONS.
   C. OFFSITE FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.

5. FOOTINGS ARE CENTERED AT COLUMNS, UNO.

6. FOOTING ELEVATIONS ARE NOTED ON THE PLANS AND DETAILS . IN ANY CASE, FOOTINGS SHALL BEAR ON FIRM UNDISTURBED SOIL OR ENGINEERED FILL OR BEDROCK , IN ACCORDANCE WITH THE SOIL REPORT AND DETAILS SHOWN.

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

8. ALL TRENCHES SHALL COMPLY WITH APPLICABLE OSHA REQUIREMENTS.

9. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED WITH NON-EXPANSIVE SOIL BUT NOT BEHIND RETAINING WALLS BEFORE CONCRETE OR MASONRY ATTAINS ITS FULL DESIGN STRENGTH.

10. ALL FOUNDATION FOOTINGS SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER UPON SUBMITTAL. A CERTIFIED LETTER BY THE GEOTECHNICAL ENGINEER IS REQUESTED STATING THAT THE RECOMMENDATIONS CONTAINED WITHIN THE SOILS REPORT HAVE BEEN INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS PRIOR TO CONSTRUCTION.

STATEMENT OF SPECIAL INSPECTIONS (DSA):

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

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

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

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

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

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

7. REFER TO DSA 103 SPECIAL INSPECTION FORM FOR ALL TEST AND INSPECTION REQUIRED, AS WELL AS CALIFORNIA BUILDING CODE CHAPTER 17A.

BID SET

SCOPE OF WORK:

SCOREBOARD FOOTINGS
& STEEL COLUMN DESIGN

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126041 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 06/24/2026

LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
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PROJECT TITLE AND SCHOOL LOCATION

NEW SCOREBOARDS FOR SOFTBALL & BASEBALL

COLIN # 10375279

VERDUGO HILLS HIGH SCHOOL

10625 PLAINVIEW AVE
TUJUNGA, CA 91042

COMMISSIONED ARCHITECT

LICENSED ARCHITECT
HERRICK Y. AU
No. C-25770
Ren. 1-31-27
STATE OF CALIFORNIA

CONSULTANT

VCA ENGINEERS INC
CIVIL • STRUCTURAL
2401 E. Katella Ave #430
Anaheim, CA 92806
Tel. 949.679.0870
Fax. 949.679.9370
Project No.: L1173

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER
KEOU NAM
No. S4029
Exp. 9/30/26
STRUCTURAL
STATE OF CALIFORNIA

1	BID SET	09/22/2026
2	ADDENDUM 02	10/26/2026
3		
4		

SHEET TITLE:

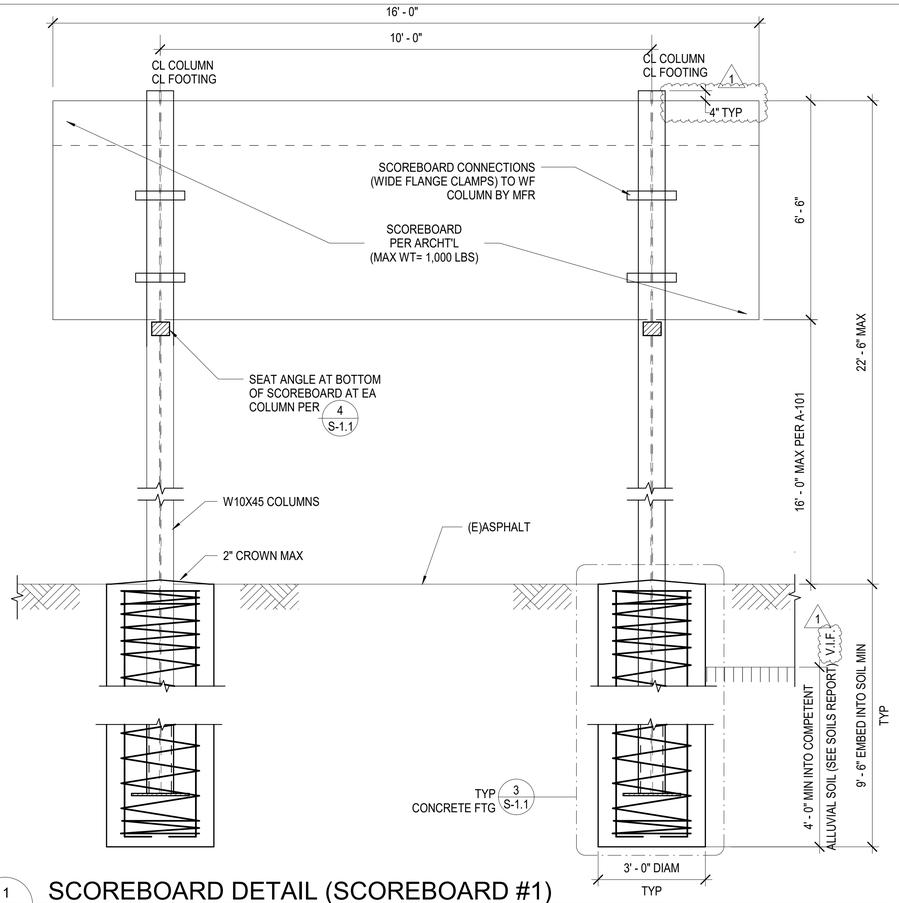
GENERAL NOTES

PROJECT NO.:	PROJECT ARCH:
DRAWN:	CHECKED:

SHEET NUMBER

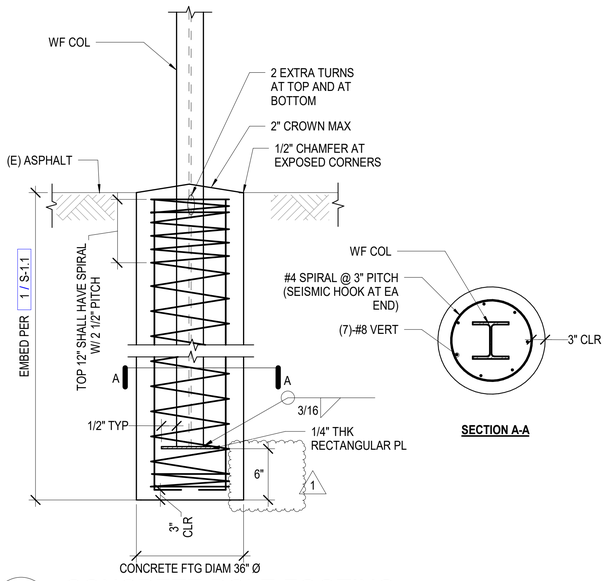
S-0.1

DATE: SHEET: 4 OF: 14



1 S-1.1 **SCOREBOARD DETAIL (SCOREBOARD #1)**

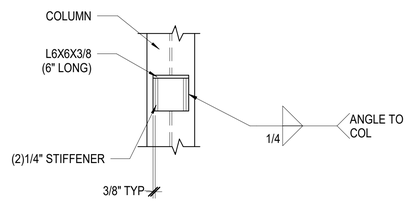
SCALE: N.T.S.



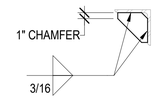
SECTION A-A

3 S-1.1 **CONCRETE POLE FOOTING**

SCALE: N.T.S.



ANGLE TO WF COLUMN



ANGLE STIFFENER PLATE SIDE VIEW

4 S-1.1 **SCOREBOARD SEAT ANGLE**

SCALE: N.T.S.

BID SET

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126041 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 06/24/2026

LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213) 241-3952
EMAIL: HERRICK.AU@LAUSD.NET

PROJECT TITLE AND SCHOOL LOCATION

NEW SCOREBOARDS
FOR SOFTBALL
& BASEBALL

COLIN # 10375279

VERDUGO HILLS
HIGH SCHOOL

10625 PLAINVIEW AVE
TUJUNGA, CA 91042

COMMISSIONED ARCHITECT

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HERRICK T. AU
No. C 25770
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SHEET TITLE:

SCOREBOARD DETAILS

PROJECT NO.:	PROJECT ARCH:
DRAWN:	CHECKED:

SHEET NUMBER

S-1.1

DATE: SHEET: 5 OF: 14

GENERAL NOTES

1. CONSULT WITH THE DISTRICT'S ELECTRICAL INSPECTOR BEFORE STARTING WORK.
2. VERIFY EXISTING SITE CONDITIONS BEFORE SUBMITTING BID.
3. ALL EXPOSED CONDUITS AND BOXES SHALL BE PAINTED TO MATCH THE SURFACES WHERE INSTALLED.
4. WHERE EXISTING STRUCTURAL WALLS ARE CORED FOR NEW CONDUIT RUNS, SEPARATION BETWEEN CORE HOLES SHALL BE THREE INCHES FROM NEW OR EXISTING HOLES.
5. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND EQUIPMENTS AND MATERIALS APPROVED FOR USE UNDER THIS CONTRACT.
6. THE CONTRACTOR SHALL VISIT THE SITE OF THE WORK AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE WORKING CONDITIONS AND THE EXACT NATURE AND EXTEND TO THE WORK TO BE DONE, TAKING INTO ACCOUNT ANY SPECIAL OR UNUSUAL FEATURES PARTICULAR TO THIS JOB.
7. EXACT LOCATION OF ALL EQUIPMENT SHALL BE VERIFIED IN THE FIELD.
8. THE CONTRACTOR SHALL EXAMINE ALL CONTRACT PLANS IN ORDER TO LOGICALLY LOCATE WORK IN COORDINATION WITH CONSTRUCTION SUCH AS CABINETS, BEAMS, FURRING, DOOR SWINGS, DUCTS, PIPES, AND CEILING.
9. CONDUITS SHALL BE CLEAN OF WATER, DEBRIS, AND OTHER FOREIGN MATERIAL PRIOR TO PULLING CABLES.
10. CONDUIT RUNS ARE SHOWN FOR CIRCUITING PURPOSES ONLY, AND MAY BE VARIED.
11. ALL WIRE SHALL BE COPPER.
12. ALL ELECTRICAL EQUIPMENT, DEVICES, ETC. SHALL BE "UL" LISTED.
13. ALL WIRING SHALL BE INSTALLED IN METAL RACEWAY OR CONDUIT.
14. ALL CONDUITS PASSING THROUGH WALLS, FLOORS, CEILINGS OR PARTITIONS SHALL BE PROVIDED WITH SLEEVES HAVING INTERNAL DIAMETERS 1" LARGER THAN THE OUTSIDE DIAMETER OF THE INSTALLED CONDUIT AND SEALED.
15. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-342, PART 1, TITLE 24, CCR.
16. A "DSA CERTIFIED" CLASS 2 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
17. ALL WORK SHALL CONFORM TO 2025 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
18. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
19. 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, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR)
20. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
21. WHENEVER DSA FINDS ANY CONSTRUCTION WORK IS BEING PERFORMED IN A MANNER CONTRARY TO THE PROVISIONS OF CALIFORNIA BUILDING CODE AND THAT WOULD COMPROMISE THE STRUCTURAL INTEGRITY OF THE BUILDING, THE DEPARTMENT OF GENERAL SERVICES, STATE OF CALIFORNIA, IS AUTHORIZED TO ISSUE A STOP WORK ORDER PER SECTION 4-334.1 CALIFORNIA ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).
22. TITLE 24, PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION.
23. SUBMIT RFIS TO DESIGN TEAM IN CASE OF INCONSISTENCIES BETWEEN APPROVED DRAWINGS AND APPROVED SPECIFICATIONS IN THE DESCRIPTIONS OF WORK TO BE DONE, EQUIPMENT TO BE PROVIDED OR MATERIAL TO BE USED. IT SHALL BE THAT THE MORE STRINGENT, THE MORE RESTRICTIVE, THE HIGHER QUALITY, AND THE GREATER QUANTITY OF WORK SHALL APPLY. SUBMIT REVISED DRAWINGS OR SPECIFICATIONS AS RESULT OF SUCH RFIS TO DSA VIA CCD'S IF REQUIRED BY IR A-6.
24. ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING MATERIALS INSTALLATION TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
25. THE PROJECT INSPECTION (PI) SHALL WITNESS AND VERIFY GROUNDING.
26. FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION COMPLY WITH THE APPLICABLE REQUIREMENTS OF THIS CODE AND THE APPLICABLE PROVISIONS OF CHAPTER 33 OF CBC AND CFC.

STANDARD ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR	J.BOX	JUNCTION BOX
A.F.G.	ABOVE FINISHED GRADE	LADWP	LOS ANGELES DEPARTMENT OF WATER AND POWER
A OR AMP	AMPERES	N.I.C.	NOT IN CONTRACT
BKR.	BREAKER	NRTL	NATIONALLY RECOGNIZED TESTING LAB
BC	BARE COPPER	PH OR Ø	PHASE
C	CONDUIT	R	EXISTING TO BE REMOVED
CB	CIRCUIT BREAKER	SW.	SWITCH
CKT.	CIRCUIT CONDUIT ONLY	TYP.	TYPICAL
C.O.	EXISTING TO REMAIN	UG	UNDERGROUND
E	EXISTING TO BE	U.O.N.	UNLESS OTHERWISE NOTED
ER	REPLACED WITH NEW	WP/W.P.	WEATHERPROOF

ELECTRICAL SYMBOL LIST

- CONDUIT TO BE ABANDONED IN PLACE
- EXPOSED SURFACE CONDUIT
- CONDUIT CONCEALED IN WALL OR CEILING (3/4" U.O.N.)
- CONDUIT BELOW OR GRADE OR IN SLAB (SIZE AS NOTED ON PLAN)
- SURFACE MOUNTED ELECTRICAL PANEL
- J — JUNCTION BOX
- GROUND ROD
- PB — WALL-MOUNTED WEATHERPROOF EXTERIOR PULL BOX (NEMA 3R)
- HEAVY DUTY DISCONNECT SWITCH

SCOPE OF WORK

1. DEMOLISH EXISTING BASEBALL SCOREBOARD, POWER CENTER PANEL, AND THREE RECEPTACLES IN PLAY FIELD.
2. INSTALL NEW BASEBALL SCOREBOARD WITH ALL POWER CONNECTIONS.
3. INSTALL NEW SOFTBALL SCOREBOARD WITH ALL POWER CONNECTIONS.
4. INSTALL NEW WP GFCI RECEPTACLE AT BASEBALL BACKSTOP WITH ALL POWER CONNECTIONS.

CONTRACTOR SHALL PERFORM CIRCUIT TRACING FOR ALL ELECTRICAL BRANCH CIRCUITS PRIOR TO ANY WORK TO DETERMINE PANEL AND CIRCUIT SOURCE.

1

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LOS ANGELES UNIFIED SCHOOL DISTRICT

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LOS ANGELES, CALIFORNIA 90017
TEL: (213) 241-3952
EMAIL: HERRICK.AU@LAUSD.NET

PROJECT TITLE AND SCHOOL LOCATION

NEW SCOREBOARDS FOR SOFTBALL & BASEBALL

COLIN # 10375279

VERDUGO HILLS HIGH SCHOOL

10625 PLAINVIEW AVE
TUJUNGA, CA 91042

COMMISSIONED ARCHITECT

LICENSED ARCHITECT
HERRICK T. AU
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CONSULTANT

BID SET

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER
R. MENJOU
No. 17040
EXP. 09-30-27
ELECTRICAL
STATE OF CALIFORNIA

1	BID SET	09/22/2026
2	ADDENDUM 02	10/26/2026
3		
4		

SHEET TITLE:

ELECTRICAL SYMBOL LIST, GENERAL NOTES, AND ABBREVIATIONS

PROJECT NO.:	PROJECT ARCH: JM
DRAWN: JT/JM	CHECKED: JM

SHEET NUMBER

E-1

DATE: 03/18/2026 SHEET: 6 OF: 14

G:\AE Service - Electrical Unit\01 - Active Projects\Verdugo Hills HS - Baseball Scoreboard\CAD\Electrical-Verdugo Hills HS - Scoreboard.dwg - CP-JASMINE THOMBRE - 5/20/2026 11:23 AM

EXISTING PANELBOARD 'CP22' - 120/208V, 3PH, 4W
PROVIDE NEW 20A,1P DEDICATED BREAKERS FOR BASEBALL AND SOFTBALL SCOREBOARD (A.I.C. RATING TO MATCH EXISTING PANEL). UPDATE PANEL SCHEDULE ACCORDINGLY.

1"CONDUIT - 4#8 & 1#10 GROUND NEW TRENCHING.

1"CONDUIT - 2#8 & 1#10 GROUND NEW TRENCHING TO NEW BASEBALL SCOREBOARD

NEW 12"X24" UNDERGROUND PULL BOX

NEW 12"X24" UNDERGROUND PULL BOX RATED FOR TURF AREA

1"CONDUIT - 4#8 & 1#10 GROUND NEW TRENCHING.

3/4" CONDUIT - 1#16 GROUND TO NEW GROUND ROD FOR GROUNDING OF NEW SCOREBOARD.

NEW SCOREBOARD (#2) WITH HIGH NON-BACKLIT PANEL WITH GRAPHICS AND SOUNDING HORN FOR END OF QUARTER/HALF PERIOD.

PROVIDE NEW 30A 1PHASE NON FUSED-DISCONNECT SWITCH WITH NEMA 3R ENCLOSURE FOR SCOREBOARD.
MOUNT DISCONNECT SWITCH TO SCOREBOARD POLE.

30A,1P

NEW SCOREBOARD (#1) WITH HIGH NON-BACKLIT PANEL WITH GRAPHICS AND SOUNDING HORN FOR END OF QUARTER/HALF PERIOD.

PROVIDE NEW 30A ,1P NON FUSED DISCONNECT SWITCH WITH NEMA 3R ENCLOSURE FOR SCOREBOARD.
MOUNT DISCONNECT SWITCH TO SCOREBOARD POLE.

ABANDON EXISTING UNDERGROUND CONDUIT IN PLACE

DEMOLISH EXISTING RECEPTACLE.
CUT AND CAP CONDUIT BELOW PLAY FIELD. REMOVE WIRES BACK TO POWER CENTER.

DEMOLITION NOTES FOR EXISTING BASEBALL SCOREBOARD

1. REMOVE AND DISPOSE OF (E) BASEBALL SCOREBOARD.
2. DEMOLISH EXISTING POST MOUNTED POWER CENTER PANEL AT SCOREBOARD. CUT, ABANDON EXISTING WIRES AND TAG AS ABANDONED. REMOVE CONDUITS TO ALL SPACE FOR NEW SCOREBOARD.
3. REMOVE (3) RECEPTACLES IN BASEBALL FIELD THAT ARE FED FROM POWER CENTER PANEL. CAP CONDUIT IN WALKWAY. REMOVE CONDUITS RUNNING IN BASEBALL FIELD. PULL EXISTING WIRING.

EXISTING POWER CENTER TO BE DEMOLISHED ALONG WITH EXISTING SCOREBOARD. REMOVE ALL EXISTING WIRES. REMOVE ALL EXISTING UNDERGROUND CONDUIT TO ALLOW SPACE FOR NEW SCOREBOARD. CAP AND ABANDON REMAINING UNDERGROUND CONDUIT.

REFER TO SHEET E-3 FOR CONTINUATION

PA
TOE OF BANK
CC SLOPE
TOP OF BANK
TOE
TOP
ELEC OUTLET
A-557 BLD. # A0557J DLA # 18 DSA # A-1770
AA-256 BLD. # X0256J DLA # 14 DSA # A-1767
AA-259 BLD. # X0259J DLA # 15 DSA # A-1772
AC
WOOD BUMPER
SOFTBALL FIELD TURF
BASEBALL TURF
KILN BUILDING BLD. # 015HOP DLA # 16 DSA # ND OSA NO OSA
AUTO SHOP YARD
CC
COMPRESSOR UNIT
ARCADE
CC BANK
SHOP BUILDING BLD. # 023BAR DLA # 10 DSA # A-26910
BATTING CAGE SYNTHETIC LAWN
DG
AC WALK
SLOPE
TA
CLASSROOM BUILDING #3 BLD. # 011BAL
SANITARY BUILDING
ROTO CLOCK
N
ARCADE BLD. # 854 DSA # ##-##-A
ARCADE BLD. # 855 DSA # ##-##-A
ARCADE BLD. # 856 DSA # ##-##-A

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LOS ANGELES UNIFIED SCHOOL DISTRICT

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PROJECT TITLE AND SCHOOL LOCATION

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COLIN # 10375279

VERDUGO HILLS HIGH SCHOOL

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REGISTERED PROFESSIONAL ENGINEER
R. MENDOZA
No. 17040
EXP. 09-30-27
ELECTRICAL
STATE OF CALIFORNIA

1	BID SET	09/22/2026
1	ADDENDUM 02	10/26/2026

SHEET TITLE:

PARTIAL ELECTRCIAL SITE PLAN

PROJECT NO.:	PROJECT ARCH: JM
DRAWN: JT/JM	CHECKED: JM

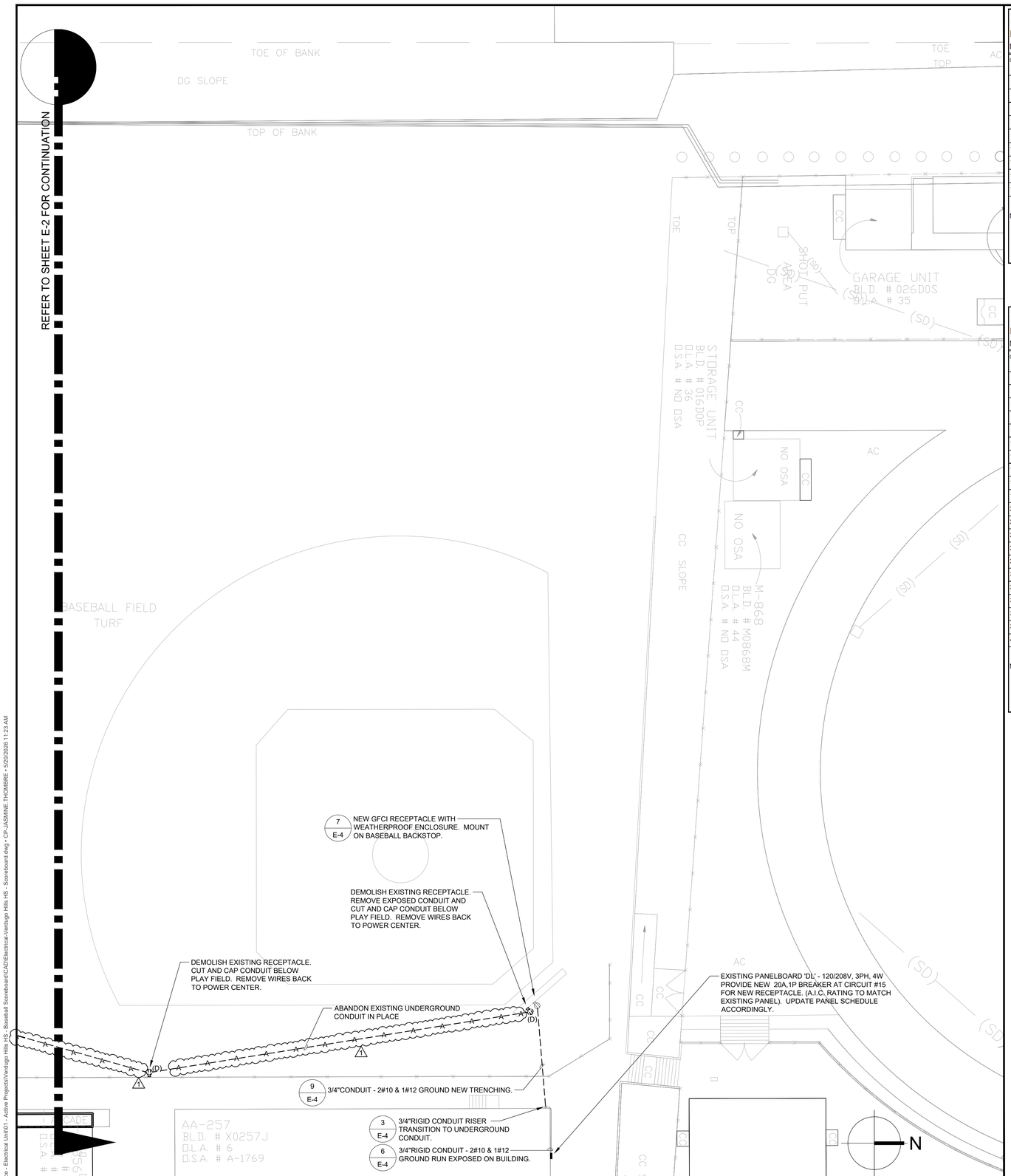
SHEET NUMBER

E-2

DATE: 03/18/2026 SHEET: 7 OF: 14

PARTIAL ELECTRICAL SITE PLAN — SCALE: 1/16" = 1'-0" — 1

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PARTIAL ELECTRICAL SITE PLAN

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

(E)PANEL: CCP2 — 120/208 VOLT, 3 PH, 4W — 100 AMP COPPER BUS

(PANEL TO HAVE BOLT-ON BREAKERS)

LOCATION: AA-256 — MAIN: 50 AMP

MOUNTING: SURFACE MOUNT — LOAD: 13.2 kVA, 41 AMPS

CK #	NT	VA LOAD LINE A	LINE B	LINE C	LOAD DESCRIPTION	OUTLETS O	R	L	CKT BKR P	A	CKT BKR A	P	OUTLETS L	R	O	LOAD DESCRIPTION	VA LOAD LINE A	LINE B	LINE C	NT	CK #
1		1000			(E) CLRM #39 - COMPUTERS				1	20	20	1				(E) CLRM #39 - COMPUTER, PRNT, TV	1000				2
3			1000		(E) CLRM #39 - COMPUTERS				1	20	20	1				(E) CLRM #39 - COMPUTERS		1000			4
5				1000	(E) CLRM #39 - COMPUTERS, PTR, TV				1	20	20	1				(E) CLRM #39 - COMPUTERS			1000		6
7		1000			(E) IDF-9				1	20	20	1				(E) RECPT. HOME DUGOUT	500				8
9			1600		(E) LOAD				1	20	20	1				(E) RECPT. AWAY DUGOUT		500			10
11				1600	(E) LOAD				1	20	20	1				(E) IRRIGATION SYSTEM			500		12
13		**400**			**(N) SCOREBOARD (SOFTBALL)**				**1**	**20**	20	1				(E) BATTING CAGE	360				14
15			**400**		**(N) SCOREBOARD (BASEBALL)**				**1**	**20**	20	1				(E) BATTING CAGE		360			16
17					SPARE				1	20	20	1				SPARE					18
		2400	3000	2600	SUB - TOTALS											SUB - TOTALS	1860	1860	1500		
																LINE TOTALS:	4260	4860	4100		
																LCL ADDER	0	0	0		
																TOTAL VA PER PHASE	4260	4860	4100		
																LINE AMPS	36	41	34		

NOTE: 1.
2.
3.
4.

(E)PANEL: DL — 120/208 VOLT, 3 PH, 4W — 100 AMP COPPER BUS

(PANEL TO HAVE BOLT-ON BREAKERS)

LOCATION: AA-257 — MAIN: 100 AMP

MOUNTING: SURFACE MOUNT — LOAD: 13.4 kVA, 42 AMPS

CK #	NT	VA LOAD LINE A	LINE B	LINE C	LOAD DESCRIPTION	OUTLETS O	R	L	CKT BKR P	A	CKT BKR A	P	OUTLETS L	R	O	LOAD DESCRIPTION	VA LOAD LINE A	LINE B	LINE C	NT	CK #
1		1000			(E) LOAD				1	20	20	1				(E) LOAD	1000				2
3			1000		(E) LOAD				1	20	20	1				(E) LOAD		1000			4
5				1000	(E) LOAD				1	20	20	1				(E) LOAD			1000		6
7		1000			(E) LOAD				1	20	20	1				(E) LOAD	1000				8
9			1000		(E) LOAD				1	20	20	1				(E) LOAD		1000			10
11				1000	(E) LOAD				1	20	20	1				(E) DMP SEC			1000		12
13					SPARE				1	20						SPACE	180				14
15			180		**NEW RECPT BASEBALL**		**1**		**1**	**20**						SPACE					16
17				1000	(E) EXTERIOR LTG N SIDE											SPACE					18
19					SPACE											SPACE					20
21					SPACE											SPACE					22
23					SPACE											SPACE					24
25					SPACE											SPACE					26
27					SPACE											SPACE					28
29					SPACE											SPACE					30
31					SPACE											SPACE					32
33					SPACE											SPACE					34
35					SPACE											SPACE					36
37					SPACE											SPACE					38
39					SPACE											SPACE					40
41					SPACE											SPACE					42
		2000	2180	3000	SUB - TOTALS											SUB - TOTALS	2180	2000	2000		
																LINE TOTALS:	4180	4180	5000		
																LCL ADDER	0	0	0		
																TOTAL VA PER PHASE	4180	4180	5000		
																LINE AMPS	35	35	42		

NOTE: 1.
2.
3.
4.

PANEL SCHEDULES

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CONSULTANT

BID SET

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER — R. MENDOZA — No. E17040 — EXP. 09-30-27 — ELECTRICAL — STATE OF CALIFORNIA

1	BID SET	09/22/2026
	ADDENDUM 02	10/26/2026

SHEET TITLE:

PARTIAL ELECTRCIAL SITE PLAN

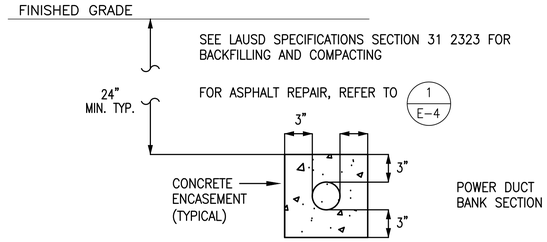
PROJECT NO.:	PROJECT ARCH: JM
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SHEET NUMBER

E-3

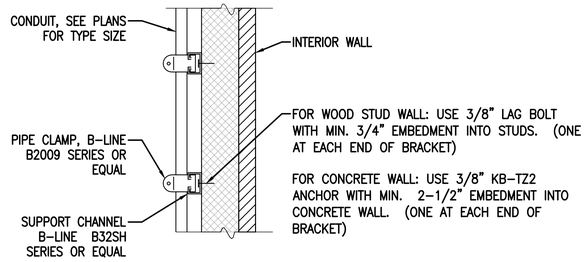
DATE: 03/18/2026 — SHEET: 8 OF: 14

G:\AE Service - Electrical Unit\01 - Active Projects\Verdugo Hills HS - Baseball Scoreboard\CAD\Electrical-Verdugo Hills HS - Scoreboard.dwg - CP-JASMINE THOMBRE - 5/20/2026 11:23 AM



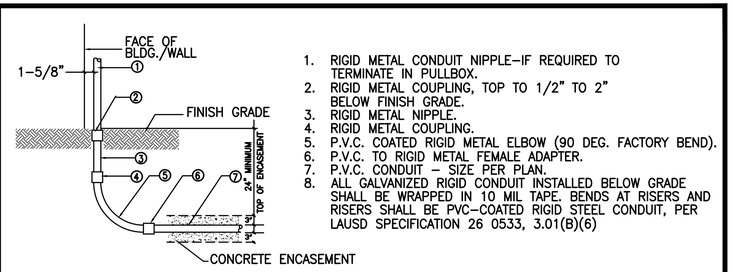
TRENCHING DETAIL 9 E-4

SCALE : NONE



CONDUIT SUPPORT DETAIL 6 E-4

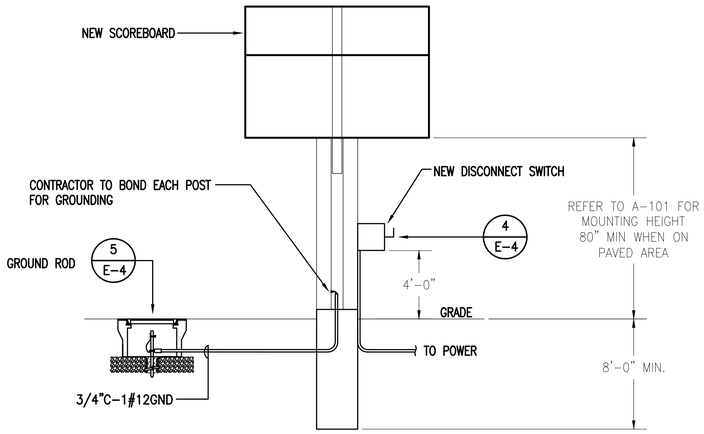
SCALE: NONE



1. RIGID METAL CONDUIT NIPPLE-IF REQUIRED TO TERMINATE IN PULLBOX.
2. RIGID METAL COUPLING, TOP TO 1/2" TO 2" BELOW FINISH GRADE.
3. RIGID METAL NIPPLE.
4. RIGID METAL COUPLING.
5. P.V.C. COATED RIGID METAL ELBOW (90 DEG. FACTORY BEND).
6. P.V.C. TO RIGID METAL FEMALE ADAPTER.
7. P.V.C. CONDUIT – SIZE PER PLAN.
8. ALL GALVANIZED RIGID CONDUIT INSTALLED BELOW GRADE SHALL BE WRAPPED IN 10 MIL TAPE. BENDS AT RISERS AND RISERS SHALL BE PVC-COATED RIGID STEEL CONDUIT, PER LAUSD SPECIFICATION 26 0533, 3.01(B)(6)

UNDERGROUND RISER DETAIL 3 E-4

SCALE: NONE

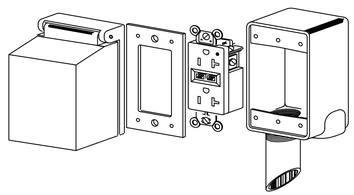


SCOREBOARD DETAIL 8 E-4

SCALE: NONE

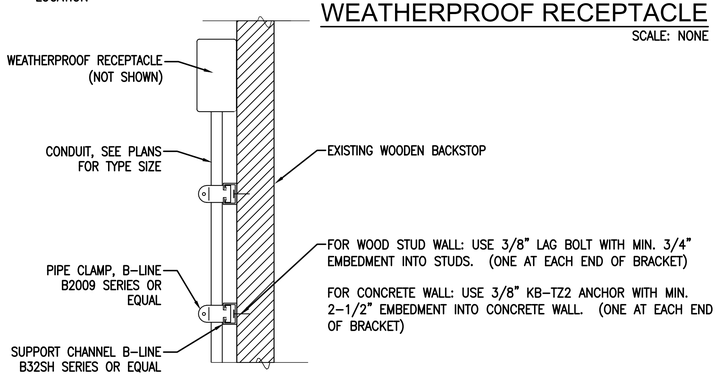
NOTES:

1. CAST OUTLET BOX, FERROUS METAL CONSTRUCTION, GALVANIZED WITH HUBS FOR RIGID CONDUIT, (MINIMUM 2 HUBS, REFER TO PLANS FOR NUMBER AND LOCATIONS).
2. NEMA 5-20R DUPLEX GFI OUTLET.
3. NEOPRENE GASKET PRECUT TO FIT RECEPTACLE AND BOX.
4. CAST ALUMINUM LIFT COVER. UL LISTED FOR WET LOCATION



WEATHERPROOF RECEPTACLE

SCALE: NONE



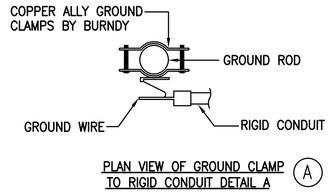
NOTES:

1. SIMILAR TO U.L. FIRE RESISTANCE DIRECTORY SYSTEM W-J-1027.
2. ALL COMPONENTS SHALL BE GALVANIZED.
3. ALL CONDUIT FITTINGS SHALL BE THREADED.
4. INSURE BENDING RADIUS PER TIA/EIA STANDARDS.

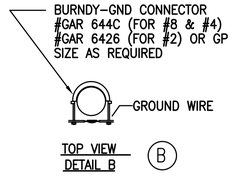
OUTDOOR WP RECEPTACLE MOUNTING 7 E-4

SCALE: NONE

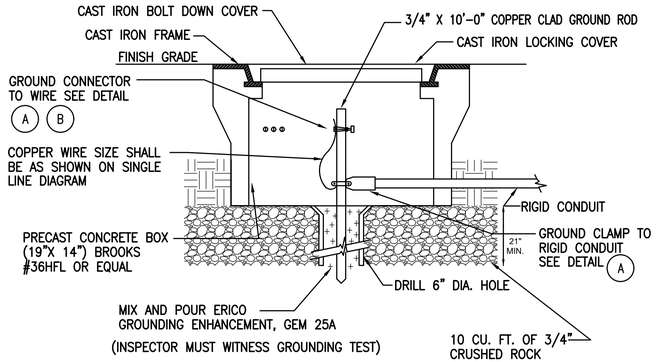
NOTE:
PROVIDE ADDITIONAL GROUND RODS IN CONCRETE BOXES 72" O.C. AS NEEDED TO MEET 25 OHM REQUIREMENT EXTENDING SAME CONDUIT AND WIRE AND USING SAME CLAMPS. 25 OHM RESISTANCE TO GROUND MAXIMUM SHALL BE PROVIDED USING GROUND RODS ONLY., PRIOR TO THE CONNECTION OF CONDUIT AT ROD PANEL OR OTHER GROUND PATH.



PLAN VIEW OF GROUND CLAMP TO RIGID CONDUIT DETAIL A

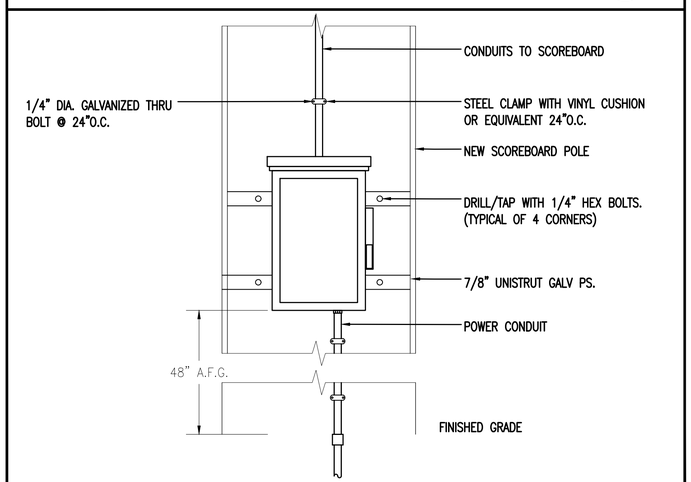


TOP VIEW DETAIL B



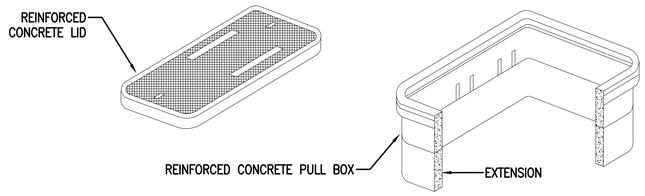
GROUND ROD DETAIL 5 E-4

SCALE: NONE



DISCONNECT SWITCH MOUNTING DETAIL 4 E-4

SCALE: NONE



DETAIL NOTES

1. HIGH DENSITY REINFORCED CONCRETE PULL AND JUNCTION BOX WITH END AND SIDE KNOCKOUTS. NON-SETTLING SHOULDERS MAINTAIN GRADE AND FACILITATE BACK FILLING. SIZE PULL BOX PER CODE.
2. PROVIDE MINIMUM OF 6" CRUSHED ROCK BEDDING AT BOTTOM OF BOX FOR DRAINAGE.
3. CHRISTY TYPE "N" SERIES PULL BOX WITH "N" SERIES LID UON OR EQUAL.

UNDERGROUND PULL BOX 2 E-4

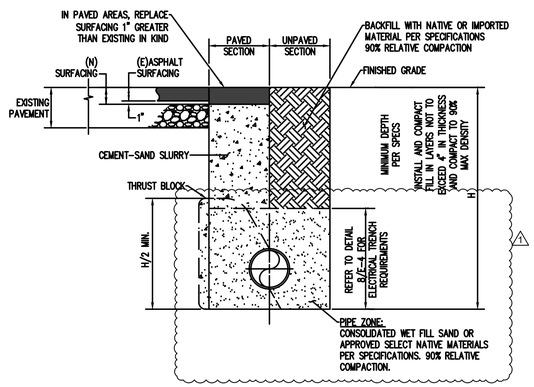
SCALE: NONE

NOTES:

1. PAVEMENT FINISH SURFACE SHALL BE A SMOOTH CONTINUATION OF ADJOINING PAVED SURFACE.
2. DO NOT EXCAVATE TRENCHES PARALLEL TO FOOTINGS CLOSER THAN 18" FROM THE FACE OF THE FOOTING OR BELOW A PLANE HAVING DOWNWARD SLOPE OF TWO HORIZONTAL TO ONE VERTICAL FROM A LINK 9" ABOVE FROM THE BOTTOM OF THE FOOTING.
3. DO NOT INSTALL BACKFILL UNTIL REQUIRED INSPECTIONS AND TESTING IS COMPLETED.
4. ASSUME EXISTING THICKNESS TO BE 3" ASPHALT.

NARROW UNSUPPORTED VERTICAL WALLED TRENCH WIDTH

NOMINAL PIPE DIAMETER (INCHES)	NARROW TRENCH WIDTH MIN. (INCHES)
4	18
6	18
8	24
12	30



UNLESS OTHERWISE INDICATED ON DRAWINGS, DEPTH OF EXCAVATIONS OUTSIDE BUILDINGS SHALL PROVIDE FOR A MINIMUM COVERAGE ABOVE TOP OF PIPING, TANK OR CONDUIT MEASURED FROM THE LOWEST ADJOINING FINISHED GRADE, AS FOLLOWS:

STEEL PIPE	24 INCHES BELOW FINISHED GRADE
COPPER WATER TUBE	18 INCHES BELOW FINISHED GRADE
CAST-IRON, PRESSURE PIPE	36 INCHES BELOW FINISHED GRADE
PLASTIC PIPE (OTHER THEN WASTE)	30 INCHES BELOW FINISHED GRADE
TANKS OR OTHER STRUCTURE	36 INCHES BELOW FINISHED GRADE
SOIL, SEWER AND STORM DRAIN	MINIMUM 18 INCHES BELOW FINISHED GRADE, AND AS REQUIRED FOR PROPER PITCH AND TRAFFIC LOAD. INSTALL POLYPROPYLENE SEWER PIPE WITH AT LEAST 24 INCHES OF COVERAGE.
IRRIGATION PIPE:	NON-PRESSURE PIPE – 12 INCHES PRESSURE PIPE – 24 INCHES

ASPHALT REPAIR DETAIL 1 E-4

SCALE: NONE

G:\AE Service - Electrical Unit\01 - Active Projects\Verdugo Hills HS - Baseball Scoreboard\CAD\Electrical\Verdugo Hills HS - Scoreboard.dwg - CP-JASMINE.THOMBRE - 5/20/2026 11:23 AM

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126041 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 06/24/2026

LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213) 241-3952
EMAIL: HERRICK.AU@LAUSD.NET

PROJECT TITLE AND SCHOOL LOCATION

NEW SCOREBOARDS FOR SOFTBALL & BASEBALL

COLIN # 10375279

VERDUGO HILLS HIGH SCHOOL

10625 PLAINVIEW AVE
TUJUNGA, CA 91042

COMMISSIONED ARCHITECT

LICENSED ARCHITECT
HERRICK Y. AU
No. C-25770
Ren. 1-31-27
STATE OF CALIFORNIA

CONSULTANT

BID SET

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER
R. MENDOZA
No. 17040
EXP. 09-30-27
ELECTRICAL
STATE OF CALIFORNIA

1	BID SET	09/22/2026
1	ADDENDUM 02	10/26/2026
2		
3		

SHEET TITLE:

ELECTRICAL DETAILS

PROJECT NO.:	PROJECT ARCH: JM
DRAWN: JT/JM	CHECKED: JM

SHEET NUMBER

E-4

DATE: 03/18/2026 SHEET: 9 OF: 14

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

Application Number: 04-122194 DSA File Number:	School Name: Pre Check Increment Number:	School District: Daktronics, Inc. Date Created: 2023-04-20 22:42:50

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

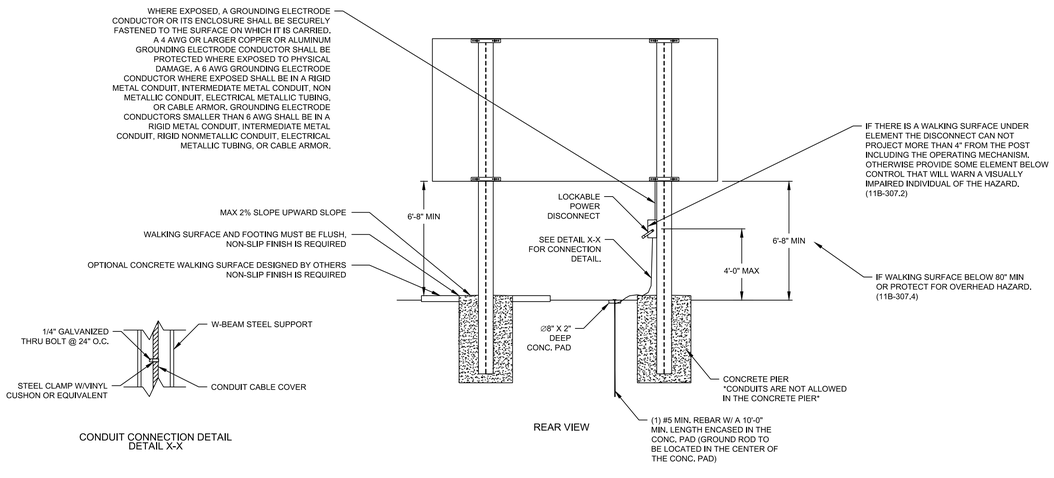
1. TYPE	2. PERFORMED BY
Continuous Indicates that a continuous special inspection is required Periodic Indicates that a periodic special inspection is required Test Indicates that a test is required	GE (Geotechnical Engineer) Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. 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. 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.

THE REST OF THE DSA 103 FORM CONTINUES ON SHEETS 2 & 3.

CHECKLIST OF DESIGN PARAMETERS:

- RISK CATEGORY: II
- WIND SPEED: 100 MPH OR 130 MPH, AS SELECTED FROM TABLES ON SHEETS 8 THRU 10
- ALL CONNECTIONS AND MOUNTING DETAILS DESIGNED FOR 130MPH.
- EXPOSURE: C
- Kzt = 1,0, Kd = 0,85, g = 0,85
- LATERAL FORCE-RESISTING SYSTEM: SIGNS & BILLBOARDS
- ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
- SEISMIC DESIGN CATEGORY: E
- SEISMIC IMPORTANCE FACTOR: Ie = 1,0
- SITE CLASS: D (E & F ARE NOT ALLOWED)
- Ss: 3,00
- S1: 1,50
- SDS: 2,00
- SD1: 1,70
- Fv = 1,7
- Fa = 1,0
- R = 3,0
- Cs: 0,67
- DESIGN BASE SHEAR: V = 0,67*W
- IF PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A SOILS ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN THIS PC ARE STILL APPLICABLE.
- GEOHAZARD REPORTS ARE NOT REQUIRED FOR NON-BUILDING FREESTANDING SIGN AND SCOREBOARD STRUCTURES, REF. IR A-4
- CUT SHEETS FOR MANUFACTURED EQUIPMENT ARE REQUIRED.
- THERE ARE NO APPLICABLE FIRE, LIFE SAFETY, OR ENERGY/CLIMATE DESIGN PARAMETERS.

GROUNDING DETAIL



NOTE:

ALL DISPLAYS MUST BE GROUNDED PER ARTICLE 250 AND 600 OF THE CALIFORNIA ELECTRICAL CODE WITH NO MORE THAN 10 OHMS GROUND RESISTANCE.

SHEET 1; SCOREBOARD PC COVER SHEET
SHEET 2; DSA 103 SPECIAL INSPECTION FORM
SHEET 3; DSA 103 SPECIAL INSPECTION FORM (CONT.)
SHEET 4; EQUIPMENT MOUNTING DETAILS (WITHOUT VIDEO DISPLAY)
~~SHEET 5; EQUIPMENT MOUNTING DETAILS (WITH VIDEO DISPLAY)~~
~~SHEET 6; DECORATIVE ACCENT TRUSS LAYOUT~~
~~SHEET 7; SPORTSOUND 500 ATTACHMENT DETAILS~~
~~SHEET 8; SPORTSOUND 1500HD MOUNTING DETAILS~~
SHEET 9; TWO-COLUMN STRUCTURE DETAILS WITH PIER FOUNDATIONS
~~SHEET 10; THREE COLUMN STRUCTURE DETAILS WITH PIER FOUNDATIONS~~
~~SHEET 11; SPORTSOUND 1500HD SINGLE POLE MOUNTING~~

DRAWING INDEX

SCOPE: CONSTRUCTION OF 2- OR 3-COLUMN STRUCTURES FOR USE WITH DAKTRONICS SIGNS.

INSPECTOR OF RECORD, CLASS 2

PRECHECK DRAWING CHANGES:
CHANGES IN THE PLANS AND SPECIFICATION SHALL BE MADE BY REVISION DOCUMENTS APPROVED BY DSA. (2022 CALIFORNIA ADMINISTRATIVE CODE SECTION 4-338)

SITE SPECIFIC ARCHITECTURAL DRAWING CHANGES:
ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) CHANGES TO THE APPROVED DRAWING AND SPECIFICATION SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF STATE ARCHITECTS, AS REQUIRED BY SECTION 4-338 PART 1 TITLE 24 CCR.

A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT, OWNER AND APPROVED BY THE DIVISION OF STATE ARCHITECTS SHALL PROVIDE SPECIAL INSPECTION OF THE WORK, THE DUTIES OF THE INSPECTION ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24 CODE.

TITLE 24 CODES

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC)..... (PART 1, TITLE 24 CCR)
2022 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2..... (PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE..... (PART 3, TITLE 24 CCR)
2022 CALIFORNIA MECHANICAL CODE (CMC)..... (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 (CFC)..... (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)

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS
2022 CBC, CHAPTER 35
2022 CFC, CHAPTER 80

GENERAL REQUIREMENTS
THE ARCHITECT OR STRUCTURAL ENGINEER IN GENERAL RESPONSIBLE CHARGE SHALL SIGN AND SEAL ALL DRAWINGS AND SPECIFICATIONS.

GENERAL / CODE INFORMATION

ALUMINUM: ALL ALUMINUM MEMBER GRADE 6061-T6 (UNLESS NOTED OTHERWISE)
CORROSION RESISTANT MATERIAL SHALL BE PROVIDED BETWEEN FERROUS METAL (STEEL) AND NON-FERROUS METAL (ALUMINUM).

STEEL: DESIGN AND FABRICATION IN ACCORDANCE WITH AISC-ASD, 15th EDITION.
WIDE FLANGE SHAPES ASTM A992 (Fy = 50 ksi)
BOLTS SS304 F593C CW1, Fu=100 KSI OR A325 WITH CORROSION-PREVENTITIVE COATING THAT DEMONSTRATED NO MORE THAN 2% 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 AND GALVANIZED HARDWARE IS NOT COMPATIBLE WITH ALL MANUFACTURED EQUIPMENT.
REINFORCING STEEL ASTM 615, GRADE 60 (Fy = 60 ksi)
HSS SHAPES ASTM A500 GR C (Fy = 50 ksi)
STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED (MINIMUM ASTM A123 OR A153 CLASS D, AS APPLICABLE) OR PAINTED WITH ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT; OR EQUIVALENT PAINT SYSTEM.

WELDING: DESIGN AND FABRICATION ACCORDING TO AWS D1.1, CURRENT EDITION, AWS CERTIFICATION REQUIRED OF ALL STRUCTURAL WELDERS.
E70XX ELECTRODES FOR SMAW PROCESSES
F7X-EXXX ELECTRODES FOR SAW PROCESSES
PROVIDE PERIODIC SPECIAL INSPECTION FOR FIELD WELDING PER 2022 CBC, TABLE 1705A.2,1

CONCRETE: DESIGN AND CONSTRUCTION ACCORDING TO ACI 318-19,
TYPE V CEMENT, MAXIMUM WATER-TO-CEMENT RATIO = 0,45
COMPRESSIVE STRENGTH AT 28 DAYS (f'c) = 4500 PSI, MIN.
CONTINUOUS BATCH PLANT INSPECTION NOT REQUIRED.
PROVIDE SLOPE AWAY FROM BASE OF SUPPORTS.
CONCRETE POURED INTO CONSTRAINED EARTH EXCAVATIONS MUST CURE UNDER PROPER CONDITIONS FOR 4 DAYS PRIOR TO SIGN CABINET INSTALLATION.
EXCEPTION: IF THE OVERALL HEIGHT OF THE SIGN IS LESS THAN 20 FEET ABOVE GRADE AND THE SIGN POLE IS ADEQUATELY BRACED AGAINST WIND LOADS FOR A MINIMUM OF 4 DAYS, THE SIGN CABINET MAY BE INSTALLED THE SAME DAY THE FOOTING IS POURED.

SOILS: SOIL PASSIVE PRESSURE BASED ON 2022 CBC, TABLE 1806A.2, CLASS 5.
LATERAL BEARING PRESSURE = 100 PSF/FT (THIS VALUE IS INCREASED IN THE CALCULATIONS PER CBC SECTION 1806A.3,4 FOR POLE FOOTING DESIGN)
INSPECTOR OF RECORD (IR) SHALL PROVIDE INSPECTION OF SOILS PER TEST AND INSPECTION FORM DSA-103, (IF SOFT OR SANDY SOIL, COLLAPSING OR UNSTABLE SOIL, CORROSIVE SOIL, ORGANIC MATERIALS OR GROUNDWATER ARE ENCOUNTERED, IMMEDIATELY CONTACT THE ARCHITECT OR ENGINEER OF RECORD FOR ADDITIONAL FOUNDATION REQUIREMENTS.)

TESTING & QUALITY CONTROL:

UNLESS NOTED OTHERWISE, CONCRETE MATERIALS SHALL CONFORM TO CHAPTER 19A, SPECIAL INSPECTIONS AND TESTS SHALL BE REQUIRED PER TABLE 1705A.3, FOUNDATION INSPECTION SHALL BE REQUIRED PER 1705A.6, STEEL SPECIAL INSPECTION AND TESTS SHALL BE REQUIRED PER TABLE 1705A.2,1.

NOTES: SIGN CABINETRY SHALL BE FABRICATED TO PROVIDE ISOLATION OF DISSIMILAR MATERIALS.

DAKTRONICS HAS DESIGNED THE DISPLAY COMPONENTS AND THEIR MOUNTING PER CBC 2022 AND THEY ARE IN COMPLIANCE WITH THE CURRENT CODES.

CONSTRUCTION SPECIFICATIONS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126041 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 06/24/2026

PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

VECTOR ENGINEERS
Wells L. Holmes, S.E.
651 W. Galena Park Blvd. Ste. 101
Draper, Utah 84020
(801) 990-1775
(801) 990-1776 FAX

REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 8203
STRUCTURAL
STATE OF CALIFORNIA
08/07/2023

STRUCTURAL ENGINEER OF RECORD

LICENSED ARCHITECT
PATRICK T. KURTEN
No. C 26770
Ren. 1-31-27
STATE OF CALIFORNIA

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122194 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/18/2023

PROJECT-SPECIFIC APPROVALS

Quote: 871973-2-0

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

BID SET

THE CONCEPTS EXPRESSED AND DETAILS SHOWN ON THIS DRAWING ARE CONFIDENTIAL AND PROPRIETARY. DO NOT REPRODUCE BY ANY MEANS WITHOUT THE EXPRESS WRITTEN CONSENT OF DAKTRONICS, INC. ALL RIGHTS RESERVED. TRADE NAMES, COPYRIGHT 2023 DAKTRONICS, INC., SUTTON.

THIRD ANGLE PROJECTION

PROJECT:	2022 CBC DSA PRE-CHECK DRAWINGS				
TITLE:	SHEET 1; SCOREBOARD PC COVER SHEET				
DATE:	8 MAR 23	DIM UNITS: INCHES [MILLIMETERS]		SHEET	REV
SCALE:	1/4" = 1'-0"	DO NOT SCALE DRAWING		1	A
DESIGN:	KKURTEN	JOB NO.	FUNC - TYPE - SEQ	5224617	
DRAWN:	SEASTMA	P2236	F - 10 - D		

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

Application Number: 04-122194 | School Name: Pre Check | School District: Daktronics, Inc.
DSA File Number: | Increment Number: | Date Created: 2023-04-20 22:42:50

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: 04-122194 | School Name: Pre Check | School District: Daktronics, Inc.
DSA File Number: | Increment Number: | Date Created: 2023-04-20 22:42:50

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: 04-122194 | School Name: Pre Check | School District: Daktronics, Inc.
DSA File Number: | Increment Number: | Date Created: 2023-04-20 22:42:50

	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: 04-122194 | School Name: Pre Check | School District: Daktronics, Inc.
DSA File Number: | Increment Number: | Date Created: 2023-04-20 22:42:50

	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: 04-122194 | School Name: Pre Check | School District: Daktronics, Inc.
DSA File Number: | Increment Number: | Date Created: 2023-04-20 22:42:50

	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. Identify, 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: Eliminated	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.

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: 04-122194 | School Name: Pre Check | School District: Daktronics, Inc.
DSA File Number: | Increment Number: | Date Created: 2023-04-20 22:42:50

	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

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: 04-122194 | School Name: Pre Check | School District: Daktronics, Inc.
DSA File Number: | Increment Number: | Date Created: 2023-04-20 22:42:50

	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 (Fc).	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.			

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

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

Application Number: 04-122194 | School Name: Pre Check | School District: Daktronics, Inc.
DSA File Number: | Increment Number: | Date Created: 2023-04-20 22:42:50

	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.

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

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

Application Number: 04-122194 | School Name: Pre Check | School District: Daktronics, Inc.
DSA File Number: | Increment Number: | Date Created: 2023-04-20 22:42:50

	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.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126041 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 06/24/2026

PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

VECTOR ENGINEERS
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651 W. GALENA PARK BLVD. STE. 101
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STRUCTURAL
STATE OF CALIFORNIA

08/07/2023

STRUCTURAL ENGINEER OF RECORD

LICENSED ARCHITECT
KERRICK T. KO
No. C 26770
Ren. 1-31-27
STATE OF CALIFORNIA

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122194 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/18/2023

PROJECT-SPECIFIC APPROVALS

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

BID SET

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THIRD ANGLE PROJECTION

PROJECT	2022 CBC DSA PRE-CHECK DRAWINGS
TITLE	SHEET 2, DSA 103 SPECIAL INSPECTION FORM
DATE	8 MAR 23
DIM UNITS	INCHES [MILLIMETERS]
SHEET	REV
SCALE	1/4" = 1'-0"
	DO NOT SCALE DRAWING
	2 A
DESIGN	KKURTEN
DRAWN	SEASTMA
JOB NO.	P2236
FUNC - TYPE - SIZE	F - 10 - D
	5224618

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

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

Application Number: 04-122194
DSA File Number:
School Name: Pre Check
Increment Number:
School District: Daktronics, Inc.
Date Created: 2023-04-20 22:42:50

	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.

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

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

Application Number: 04-122194
DSA File Number:
School Name: Pre Check
Increment Number:
School District: Daktronics, Inc.
Date Created: 2023-04-20 22:42:50

	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.

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

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

Application Number: 04-122194
DSA File Number:
School Name: Pre Check
Increment Number:
School District: Daktronics, Inc.
Date Created: 2023-04-20 22:42:50

	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

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

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

Application Number: 04-122194
DSA File Number:
School Name: Pre Check
Increment Number:
School District: Daktronics, Inc.
Date Created: 2023-04-20 22:42:50

	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.			

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

Application Number: 04-122194
DSA File Number:
School Name: Pre Check
Increment Number:
School District: Daktronics, Inc.
Date Created: 2023-04-20 22:42:50

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: 04-122194
DSA File Number:
School Name: Pre Check
Increment Number:
School District: Daktronics, Inc.
Date Created: 2023-04-20 22:42:50

	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) d4' 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: 04-122194
DSA File Number:
School Name: Pre Check
Increment Number:
School District: Daktronics, Inc.
Date Created: 2023-04-20 22:42:50

Name of Architect or Engineer in general responsible charge:
Wells L. Holmes

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

Signature of Architect or Structural Engineer: Date: 04/24/2023

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: 04-122194
DSA File Number:
School Name: Pre Check
Increment Number:
School District: Daktronics, Inc.
Date Created: 2023-04-20 22:42:50

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126041 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 06/24/2026

PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

VECTOR ENGINEERS
WELLS L. HOLMES, S.E.
651 W. GALENA PARK BLVD. STE. 101
DRAPER, UTAH 84020
(801) 990-1775
(801) 990-1776 FAX

REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 8203
STRUCTURAL
STATE OF CALIFORNIA

08/07/2023

STRUCTURAL ENGINEER OF RECORD

LICENSED ARCHITECT
No. C 26770
Ren. 1-31-27
STATE OF CALIFORNIA

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122194 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/18/2023

PROJECT-SPECIFIC APPROVALS

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

BID SET

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THIRD ANGLE PROJECTION

PROJECT:	2022 CBC DSA PRE-CHECK DRAWINGS		
TITLE:	SHEET 3, DSA 103 SPECIAL INSPECTION FORM (CONT.)		
DATE:	8 MAR 23	DIM UNITS: INCHES [MILLIMETERS]	SHEET: 3 / REV: A
SCALE:	1/4" = 1'-0"	DO NOT SCALE DRAWING	
DESIGN:	KKURTEN	JOB NO.: P2236	FUNC - TYPE - SEQ: F - 10 - D
DRAWN:	SEASTMA		5224619

COLUMN IS A W-FLANGE,
MAXIMUM FLANGE WIDTH IS 16".

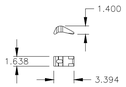
MINIMUM CLAMPS PER SECTION:
2 COLUMN STRUCTURES: 8
3 COLUMN STRUCTURES: 12
INSTALL TORQUE: 40 FT*LBS

MAXIMUM SECTION HEIGHT IS 10'-0"

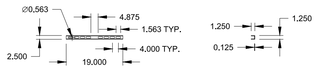
MAXIMUM SECTION WEIGHT
-12 PSF

I-BEAM LIMITATIONS
-MIN. FLANGE THICKNESS = 3/16"
-MAX.FLANGE THICKNESS = 3/4"
-IF THE I-BEAM FLANGE THICKNESS IS GREATER THAN SPECIFIED, LONGER BOLTS WILL BE REQUIRED AT THE CUSTOMER'S EXPENSE., MAX LENGTH OF REPLACEMENT BOLT IS 3.5", MUST BE SS304 BOLTS.

MOUNTING DETAIL 1

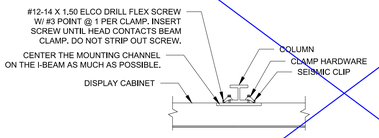


LAYOUT VIEW
AD PANEL CLAMP
(6061-T6 ALUMINUM)

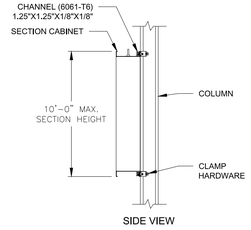


FRONT VIEW
MOUNTING CHANNEL (6061-T6)
FOR USE WITHOUT 3 1/4" UNISTRUT

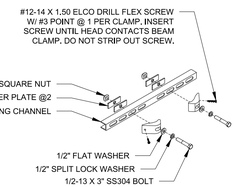
SIDE VIEW
MOUNTING CHANNEL (6061-T6)
FOR USE WITHOUT 3 1/4" UNISTRUT



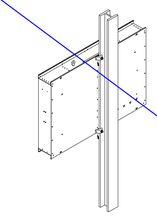
TOP VIEW



SIDE VIEW



EXPLODED VIEW



ISOMETRIC VIEW

COLUMN IS A W-FLANGE,
MAXIMUM FLANGE WIDTH IS 16".

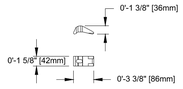
MINIMUM CLAMPS PER SECTION:
2 COLUMN STRUCTURES: 8
3 COLUMN STRUCTURES: 12
INSTALL TORQUE: 40 FT*LBS

MAXIMUM SECTION HEIGHT IS 2'-6"

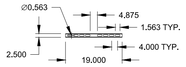
MAXIMUM SECTION WEIGHT
-12 PSF

I-BEAM LIMITATIONS
-MIN. FLANGE THICKNESS = 3/16"
-MAX.FLANGE THICKNESS = 3/4"
-IF THE I-BEAM FLANGE THICKNESS IS GREATER THAN SPECIFIED, LONGER BOLTS WILL BE REQUIRED AT THE CUSTOMER'S EXPENSE., MAX LENGTH OF REPLACEMENT BOLT IS 3.5", MUST BE SS304 BOLTS.

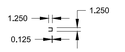
MOUNTING DETAIL 2



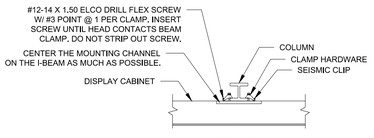
LAYOUT VIEW
AD PANEL CLAMP
(6061-T6 ALUMINUM)



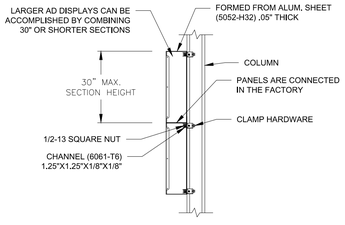
FRONT VIEW
MOUNTING CHANNEL (6061-T6)
FOR USE WITHOUT 3 1/4" UNISTRUT



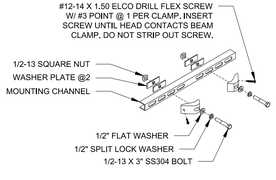
SIDE VIEW
MOUNTING CHANNEL (6061-T6)
FOR USE WITHOUT 3 1/4" UNISTRUT



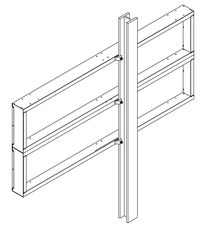
TOP VIEW



SIDE VIEW



EXPLODED VIEW



ISOMETRIC VIEW

COLUMN IS A W-FLANGE,
MAXIMUM FLANGE WIDTH IS 16".

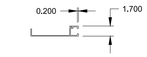
MINIMUM CLAMPS PER SECTION:
2 COLUMN STRUCTURES: 8
3 COLUMN STRUCTURES: 12
INSTALL TORQUE: 40 FT*LBS

MAXIMUM SECTION HEIGHT IS 6'-6"

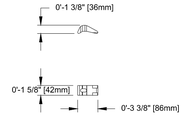
MAXIMUM SECTION WEIGHT
-12 PSF

I-BEAM LIMITATIONS
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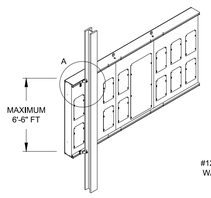
MOUNTING DETAIL 3



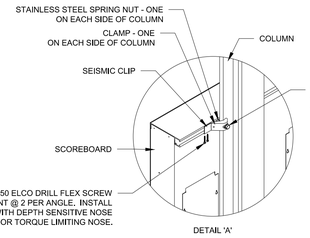
LAYOUT VIEW
SCOREBOARD EXTRUSION
(6061-T6 ALUMINUM)



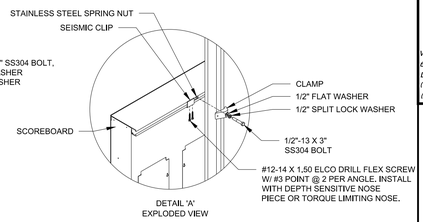
LAYOUT VIEW
SCOREBOARD CLAMP
(6061-T6 ALUMINUM)



ISOMETRIC VIEW



DETAIL 'A'



DETAIL 'A'
EXPLODED VIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126041 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 06/24/2026

PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

VECTOR ENGINEERS
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DRAPER, UTAH 84020
(801) 990-1775
(801) 990-1776 FAX

REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 8203
STRUCTURAL
STATE OF CALIFORNIA

08/07/2023

STRUCTURAL ENGINEER OF RECORD

LICENSED ARCHITECT
JOSEPH J. KURTEN
No. C 26770
Ren. 1-31-27
STATE OF CALIFORNIA

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122194 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/18/2023

PROJECT-SPECIFIC APPROVALS

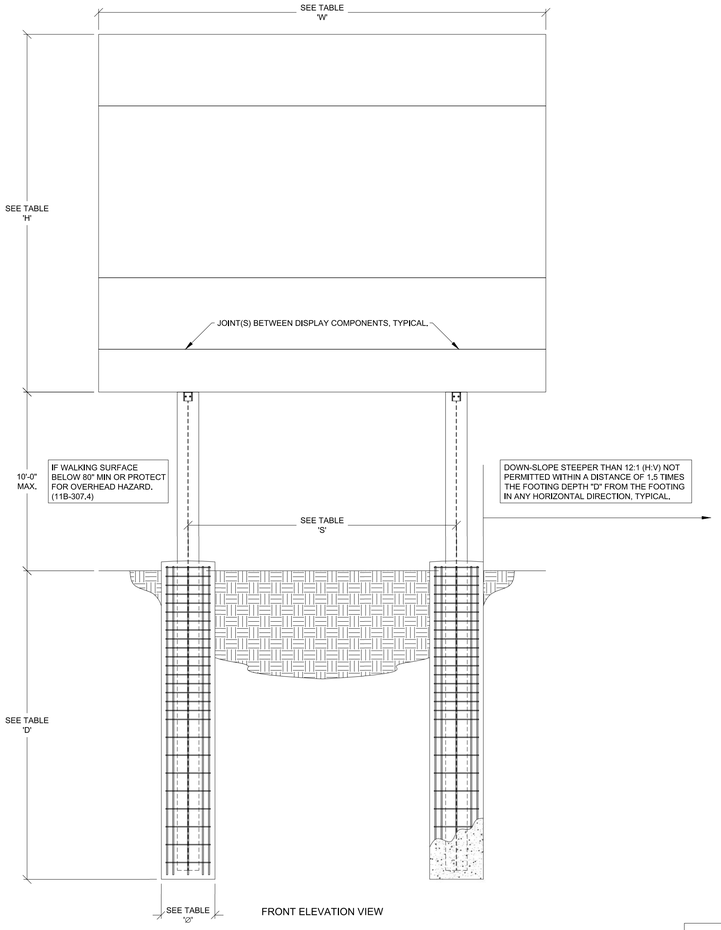
PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

BID SET

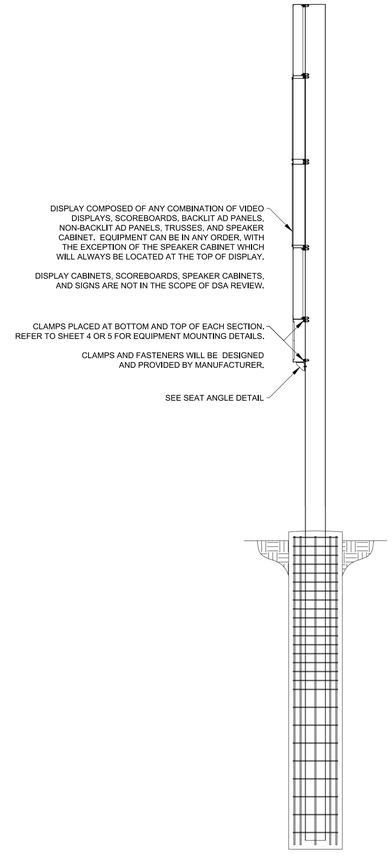
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THIRD ANGLE PROJECTION

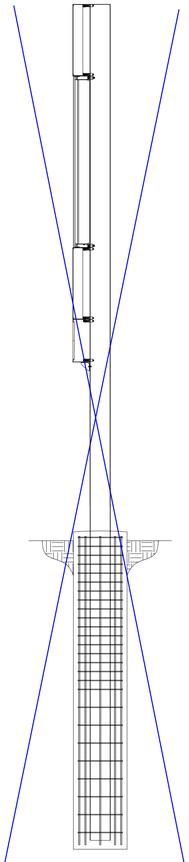
PROJECT:	2022 CBC DSA PRE-CHECK DRAWINGS			
TITLE:	SHEET 4, MOUNTING DETAILS W/O VIDEO DISPLAY			
DATE:	8 MAR 23	DIM UNITS: INCHES [MILLIMETERS]	SHEET	REV
SCALE:	1/4" = 1'-0"	DO NOT SCALE DRAWING	4	A
DESIGN:	KKURTEN	JOB NO. / FUNC - TYPE - SIZE		
DRAWN:	SEASTMA	P2236 / F - 10 - D	5224620	



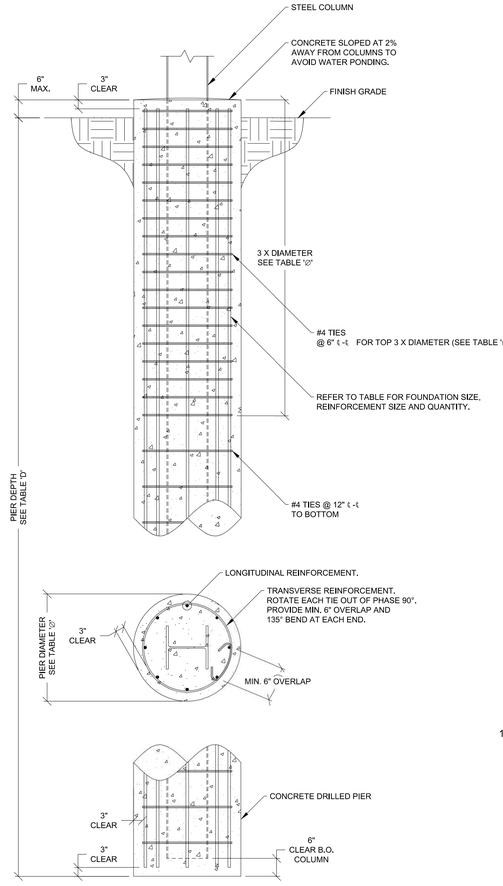
FRONT ELEVATION VIEW



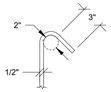
SCOREBOARD SIDE ELEVATION VIEW
SEE SHEET 4 FOR MOUNTING DETAILS



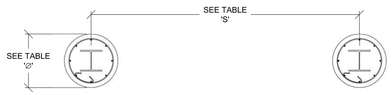
VIDEO DISPLAY SIDE ELEVATION VIEW
SEE SHEET 5 FOR MOUNTING DETAILS



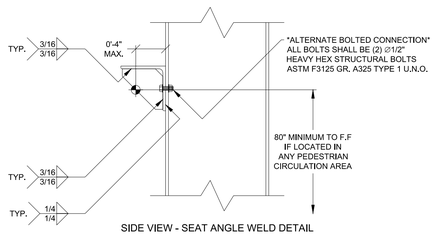
CONCRETE DRILLED PIER - SIDE PLAN VIEW
N.T.S.



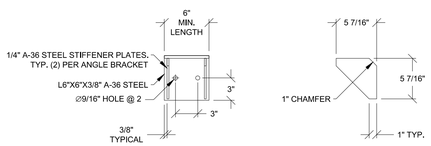
135° BEND DETAIL FOR #4 REBAR TIE



FOUNDATION PLAN VIEW



SIDE VIEW - SEAT ANGLE WELD DETAIL



SEAT ANGLE DETAIL
MAXIMUM CAPACITY = 5,750 LBS. PER SEAT
SEAT ANGLE IS REQUIRED AT BOTTOM OF DISPLAY STACKS TYPICAL AT EACH COLUMN

TABLE A - STANDARD WIND REGIONS (100 MPH)

CHECK OPTION	OVERALL DIMENSIONS			COLUMNS		PIER FOOTINGS			WIND			SEISMIC
	"MAX. HEIGHT 'H' (FT)"	"MAX. WIDTH 'W' (FT)"	MAX. DISPLAY WEIGHT (LBS)	"SPACING 'S' (FT)"	SIZE	"DIAMETER 'Ø' (FT)"	"DEPTH 'D' (FT)"	"LONG. REINF. (QTY - SIZE)"	Kz	Cf	"DESIGN WIND PRESSURE (LBS/SQFT)"	"BASE SHEAR (LBS)"
	~~8.00~~	~~16.00~~	~~2386.00~~	~~10.00~~	~~W8X24~~	~~3~~	~~8.25~~	~~(7) #8~~	~~0.88~~	~~1.73~~	~~28.19~~	~~1680~~
✔	12.00	16.00	3154.00	10.00	W10X33	3	10	(7) #8	0.92	1.71	29.11	2380
	~~16.00~~	~~16.00~~	~~3922.00~~	~~10.00~~	~~W10X45~~	~~3~~	~~11.5~~	~~(7) #8~~	~~0.95~~	~~1.69~~	~~29.83~~	~~3080~~
	~~20.00~~	~~16.00~~	~~4690.00~~	~~10.00~~	~~W12X50~~	~~3~~	~~13.5~~	~~(7) #8~~	~~0.98~~	~~1.68~~	~~30.58~~	~~4060~~
	~~8.00~~	~~20.00~~	~~2770.00~~	~~12.00~~	~~W12X26~~	~~3~~	~~9~~	~~(7) #8~~	~~0.88~~	~~1.73~~	~~28.19~~	~~1960~~
	~~12.00~~	~~20.00~~	~~3730.00~~	~~12.00~~	~~W10X39~~	~~3~~	~~10.75~~	~~(7) #8~~	~~0.92~~	~~1.69~~	~~28.83~~	~~2800~~
	~~16.00~~	~~20.00~~	~~4690.00~~	~~12.00~~	~~W10X49~~	~~3~~	~~12.75~~	~~(7) #8~~	~~0.95~~	~~1.68~~	~~29.61~~	~~3500~~
	~~20.00~~	~~20.00~~	~~5650.00~~	~~12.00~~	~~W12X65~~	~~3~~	~~15.5~~	~~(7) #8~~	~~0.98~~	~~1.67~~	~~30.28~~	~~4620~~
	~~24.00~~	~~20.00~~	~~6610.00~~	~~12.00~~	~~W12X79~~	~~3~~	~~18.25~~	~~(7) #8~~	~~1.01~~	~~1.66~~	~~31.03~~	~~5740~~
	~~12.00~~	~~25.50~~	~~4522.00~~	~~15.00~~	~~W16X45~~	~~3~~	~~11.75~~	~~(7) #8~~	~~0.92~~	~~1.68~~	~~28.55~~	~~3080~~
	~~16.00~~	~~25.50~~	~~5746.00~~	~~15.00~~	~~W12X53~~	~~3~~	~~14.75~~	~~(7) #8~~	~~0.95~~	~~1.66~~	~~29.31~~	~~4200~~
	~~20.00~~	~~25.50~~	~~7670.00~~	~~15.00~~	~~W14X74~~	~~3~~	~~17.75~~	~~(7) #8~~	~~0.98~~	~~1.65~~	~~30.03~~	~~5600~~
	~~24.00~~	~~25.50~~	~~8894.00~~	~~15.00~~	~~W14X90~~	~~3~~	~~21~~	~~(7) #8~~	~~1.01~~	~~1.64~~	~~30.66~~	~~7000~~
	~~28.00~~	~~25.50~~	~~10118.00~~	~~15.00~~	~~W14X109*~~	~~4~~	~~20.25~~	~~(12) #8~~	~~1.03~~	~~1.64~~	~~31.33~~	~~8540~~
	~~32.00~~	~~25.50~~	~~11342.00~~	~~15.00~~	~~W18X143*~~	~~4~~	~~22.75~~	~~(12) #8~~	~~1.05~~	~~1.64~~	~~31.97~~	~~10780~~
	~~36.00~~	~~25.50~~	~~12566.00~~	~~15.00~~	~~W27X161*~~	~~4~~	~~25.5~~	~~(12) #8~~	~~1.07~~	~~1.64~~	~~32.56~~	~~12740~~

TABLE B - SPECIAL WIND REGIONS (130 MPH)

CHECK OPTION	OVERALL DIMENSIONS			COLUMNS		PIER FOOTINGS			WIND			SEISMIC
	"MAX. HEIGHT 'H' (FT)"	"MAX. WIDTH 'W' (FT)"	MAX. DISPLAY WEIGHT (LBS)	"SPACING 'S' (FT)"	SIZE	"DIAMETER 'Ø' (FT)"	"DEPTH 'D' (FT)"	"LONG. REINF. (QTY - SIZE)"	Kz	Cf	"DESIGN WIND PRESSURE (LBS/SQFT)"	"BASE SHEAR (LBS)"
	~~8.00~~	~~16.00~~	~~2386.00~~	~~10.00~~	~~W12X30~~	~~3~~	~~10~~	~~(7) #8~~	~~0.88~~	~~1.73~~	~~47.64~~	~~1820~~
	~~12.00~~	~~16.00~~	~~3154.00~~	~~10.00~~	~~W12X40~~	~~3~~	~~12.25~~	~~(7) #8~~	~~0.92~~	~~1.71~~	~~49.20~~	~~2520~~
	~~16.00~~	~~16.00~~	~~3922.00~~	~~10.00~~	~~W12X53~~	~~3~~	~~15.25~~	~~(7) #8~~	~~0.95~~	~~1.69~~	~~50.41~~	~~3360~~
	~~20.00~~	~~16.00~~	~~4690.00~~	~~10.00~~	~~W12X72~~	~~3~~	~~18.75~~	~~(7) #8~~	~~0.98~~	~~1.68~~	~~51.68~~	~~4480~~
	~~8.00~~	~~20.00~~	~~2770.00~~	~~12.00~~	~~W10X33~~	~~3~~	~~11~~	~~(7) #8~~	~~0.88~~	~~1.73~~	~~47.64~~	~~2100~~
	~~12.00~~	~~20.00~~	~~3730.00~~	~~12.00~~	~~W14X48~~	~~3~~	~~13.75~~	~~(7) #8~~	~~0.92~~	~~1.69~~	~~48.72~~	~~2940~~
	~~16.00~~	~~20.00~~	~~4690.00~~	~~12.00~~	~~W14X61~~	~~3~~	~~17.5~~	~~(7) #8~~	~~0.95~~	~~1.68~~	~~50.04~~	~~3920~~
	~~20.00~~	~~20.00~~	~~5650.00~~	~~12.00~~	~~W14X82*~~	~~3~~	~~21.25~~	~~(7) #8~~	~~0.98~~	~~1.67~~	~~51.17~~	~~5180~~
	~~24.00~~	~~20.00~~	~~6610.00~~	~~12.00~~	~~W14X99~~	~~4~~	~~21~~	~~(12) #8~~	~~1.01~~	~~1.66~~	~~52.44~~	~~6440~~
	~~12.00~~	~~25.50~~	~~4522.00~~	~~15.00~~	~~W14X53~~	~~3~~	~~16~~	~~(7) #8~~	~~0.92~~	~~1.68~~	~~48.25~~	~~3360~~
	~~16.00~~	~~25.50~~	~~5746.00~~	~~15.00~~	~~W16X67~~	~~3~~	~~20.25~~	~~(7) #8~~	~~0.95~~	~~1.66~~	~~49.53~~	~~4480~~
	~~20.00~~	~~25.50~~	~~7670.00~~	~~15.00~~	~~W14X90~~	~~4~~	~~20.5~~	~~(12) #8~~	~~0.98~~	~~1.65~~	~~50.75~~	~~6020~~
	~~24.00~~	~~25.50~~	~~8894.00~~	~~15.00~~	~~W24X117*~~	~~4~~	~~24.25~~	~~(12) #8~~	~~1.01~~	~~1.64~~	~~51.82~~	~~7040~~
	~~28.00~~	~~25.50~~	~~10118.00~~	~~15.00~~	~~W14X145*~~	~~4~~	~~28~~	~~(12) #8~~	~~1.03~~	~~1.64~~	~~52.95~~	~~9800~~
	~~32.00~~	~~25.50~~	~~11342.00~~	~~15.00~~	~~W30X173*~~	~~5~~	~~27.50~~	~~(19) #8~~	~~1.05~~	~~1.64~~	~~54.03~~	~~12040~~
	~~36.00~~	~~25.50~~	~~12566.00~~	~~15.00~~	~~W33X201*~~	~~5~~	~~30.75~~	~~(19) #8~~	~~1.07~~	~~1.64~~	~~55.02~~	~~14560~~

(1) PER ASCE7 CASE B LOADING. CASE B LOADING = (CASE A LOADING) X (1.67). THE PRESSURES HAVE BEEN MULTIPLIED BY 0.6 (ASD LOAD FACTOR).
(2) 0.7V PER ASCE7-16 ASD EQUATIONS.
(3) COLUMN MAY BE SPLICED WITH A PREQUALIFIED CJP WELD.
(*) MAY NEED LONGER BOLTS FOR CLAMP ATTACHMENTS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126041 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☐
DATE: 06/24/2026

PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

VECTOR ENGINEERS
WELLS L. HOLMES, S.E.
651 W. GALENA PARK BLVD. STE. 101
DRAPER, UTAH 84020
(801) 990-1775
(801) 990-1776 FAX

REGISTERED PROFESSIONAL ENGINEER WELLS HOLMES S 6203 STRUCTURAL STATE OF CALIFORNIA

08/07/2023

STRUCTURAL ENGINEER OF RECORD

LICENSED ARCHITECT JERRICK T. KU No. C 26770 Ren. 1-31-27 STATE OF CALIFORNIA

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122194 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/18/2023

PROJECT-SPECIFIC APPROVALS

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

BID SET

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THIRD ANGLE PROJECTION

PROJECT:	2022 CBC DSA PRE-CHECK DRAWINGS
TITLE:	SHEET 9; 2-COLUMN STRUCTURE W/ PIER FOUNDATIONS
DATE:	8 MAR 23
DIM UNITS:	INCHES [MILLIMETERS]
SHEET:	REV
SCALE:	1/8" = 1'-0"
	DO NOT SCALE DRAWING
	9 A
DESIGN:	KKURTEN
DRAWN:	SEASTMA
JOB NO.	P2236
FUNC - TYPE - SIZE	F - 10 - D
	5224624

FOR REFERENCE ONLY

PROJECT:

RENOVATE SOFTBALL FIELD
VERDUGO HILLS HIGH SCHOOL (8914)

OWNER:
LOS ANGELES UNIFIED SCHOOL DISTRICT
10625 PLAINVIEW AVENUE
TUJUNGA, CA 91042
CONTACT PERSON: STEVEN OH

CONSULTANT LIST:

CIVIL ENGINEER:
PENCO ENGINEERING INC.
ONE TECHNOLOGY PARK, BUILDING J-725
IRVINE, CA 92618
PHONE: (949) 753-8111
FAX: (949) 753-0775
CONTACT PERSON: BRENT CHAMBERLAIN

ELECTRICAL ENGINEER:
TURPIN & RATTAN, INC.
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020
PHONE: (818) 249-0444
CONTACT PERSON: KEN KRAUT

LANDSCAPE ARCHITECT:
OLEA LANDSCAPE ARCHITECTURE
812 FREMONT AVENUE #301
SOUTH PASADENA, CA 91030
PHONE: (626) 799-2750
FAX: (626) 799-2411
CONTACT PERSON: KAREN ADNOFF

SURVEY:
P.A. ARCA ENGINEERING, INC.
500 EAST CARSON PLAZA DRIVE, SUITE 201
CARSON, CA 90746
PHONE: (310) 768-3828
CONTACT PERSON: DENNIS ARCA

GEOTECHNICAL CONSULTANT:
GEOCON INLAND EMPIRE, INC.
3303 N. FERNANDO BLVD, SUITE 100
BURBANK, CA 91504
PHONE: (818) 841-8388
CONTACT PERSON: JELESA THOMAS
GEOTECHNICAL ENGINEER: NEAL D. BERLINER GE 2576
PROJECT NO. A8326-06-27, DATED APRIL 4, 2008

PARTIAL LIST APPLICABLE CODES AS OF January 1,2008

2007 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2007 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2006 INTERNATIONAL BUILDING CODE VOLUMES 1-3 AND 2007 CALIFORNIA AMENDMENTS).
2007 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2005 NATIONAL ELECTRICAL CODE AND 2007 CALIFORNIA AMENDMENTS).
2007 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
(2006 UNIFORM MECHANICAL CODE AND 2007 CALIFORNIA AMENDMENTS).
2007 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2004 ASME A 17.1 SAFETY CODE FOR ELEVATOR AND ESCALATORS
2007 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2006 INTERNATIONAL FIRE CODE AND 2007 CALIFORNIA AMENDMENTS).
2007 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

GENERAL NOTES

1. CONSTRUCT OFFSITE WORK TO COMPLY WITH THE REQUIREMENTS OF THE LOCAL GOVERNING AGENCY, SECURE AND PAY FOR REQUIRED CONSTRUCTION PERMITS.
2. CONSTRUCT STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN ON PLAN UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATION FROM THE PAVEMENT PLAN MUST HAVE PRIOR APPROVAL FROM THE ENGINEER.
3. REMOVE YARD BOXES WITHIN THE PAVEMENT LIMITS AND INSTALL NEW ONES TO MATCH DESIGN FINISHED SURFACE. VERIFY LOCATION AND NUMBER OF YARD BOXES IN THE FIELD PRIOR TO BIDDING.
4. ADJUST TO DESIGN FINISHED SURFACE TOP OF EXISTING VALVE BOXES WITHIN THE AREAS TO BE REPAVED.
5. TRIM TREE ROOTS AS NECESSARY TO CONSTRUCT PAVEMENT AND INSTALL HEADERS. TRIM ROOTS UNDER THE DIRECTION OF A CERTIFIED ARBORIST. HAVE OAR NOTIFY DISTRICT GARDENING SUPERVISOR PRIOR TO TRIMMING OF TREES.
6. WHERE NEW PAVEMENT OR CURB IS TO BE RECONSTRUCTED UNDER A FENCE, UNTIE AND REMOVE FENCE FABRIC TO PERMIT CONSTRUCTION. AFTER CONSTRUCTION, ADD OR CUT AND KNUCKLE FABRIC TO FIT NEW SURFACE AND RE-INSTALL. ADJUST, MODIFY OR REPLACE GATES, IF ANY. TO CLEAR NEW GRADE, CLEARANCE SHOULD NOT EXCEED 1.5' ABOVE SURFACE AT THE GATE OPENING.
7. PROVIDE AND INSTALL 2"x 6" REDWOOD HEADERS AT NEW A.C. PAVEMENT PER DETAIL 26 ON SHEET 1 AT THE FOLLOWING LOCATIONS UNLESS NOTED OTHERWISE.

   A.) AT TREE AREAS, TREE WELLS SHALL BE 10'x 10' FOR TREES WITH 12" DIAMETER OR GREATER TRUNK SIZE. 8'x 8' FOR TREES LESS THAN 12" DIAMETER AND FOR NEW TREES.

   B.) WHERE IT ABUTS LAWNS, TURFS, PLANTING AREAS, OTHER UNPAVED AREAS AND EXISTING WOOD STRUCTURES.
8. REMOVE AND REPLACE REDWOOD HEADER AND BOTTOM RAILS, AND ADJUST CHAIN LINK FABRIC OF BASEBALL BACKSTOPS WITHIN THE REPAVED AREAS.
9. PLAYGROUND EQUIPMENT ARE TO REMAIN UNLESS PLAYGROUND COURT MARKING PLAN INDICATES OTHERWISE. CONTRACTOR TO REMOVE PLAYGROUND EQUIPMENT, IF NECESSARY TO ALLOW PAVEMENT CONSTRUCTION; OTHERWISE PROTECT IN PLACE.
10. PLAYGROUND COURT MARKING AND EQUIPMENT SHALL CONFORM TO DISTRICT SPECIFICATIONS AND STANDARDS. PLAYGROUND EQUIPMENT ARE TO BE INSTALLED BY THE DISTRICT UNLESS NOTED OTHERWISE.
11. RELOCATE EMPTY STORAGE CONTAINERS AND THOSE 20 FEET OR LESS IN LENGTH TO ALLOW REPAVING UNDER THEM, UNLESS NOTED OTHERWISE.
12. REMOVE NON-CONFORMING EXISTING CATCH BASIN GRATES WITHIN THE WORK AREA AND REPLACE THEM WITH GRATES HAVING 1/2" CLEAR SPACING. USE VANDAL-RESISTANT ALHAMBRA FOUNDARY GRATES OR EQUAL TO MATCH SIZE OF EXISTING FRAMES.
13. MAINTAIN A RECORD OF LOCATION OF UTILITY MARKERS ON THE AS-BUILT PLAN AND REINSTALL THEM AFTER PAVING. REPLACE BENT OR UNUSABLE MARKERS. FOR ALL UTILITY LINES DISCOVERED WITHIN THE WORK AREA, INSTALL BRASS UTILITY MARKERS INDICATING DIRECTIONS OF LINES AT ALL CHANGES IN DIRECTIONS AFTER PAVING. INFORM THE SURVEYOR TO LOCATE AND RECORD ACTUAL LOCATIONS.
14. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM BEFORE AND AFTER CONSTRUCTION AND IMMEDIATELY BEFORE A RAIN FORECAST.
15. NO WORK, SUCH AS REPAVING, CHAIN LINK FENCING, PLUMBING, ETC., WILL BE PERFORMED WITHIN 5 FEET OF ANY BUILDING UNLESS INDICATED ON THE PLANS. NO EXTERIOR WALLS HAVE BEEN TESTED FOR LEAD AND/OR ASBESTOS. ALL MATERIALS ARE ASSUMED TO CONTAIN LEAD AND ASBESTOS. THE DISTURBANCE OF THESE MATERIALS IS NOT ANTICIPATED DURING THIS PROJECT. IF THE CONTRACTOR DISTURBS THESE MATERIALS ACCIDENTALLY OR OTHERWISE, ALL WORK SHALL CEASE IN THE AREA OF THE DISTURBANCE AND THE INSPECTOR SHALL BE NOTIFIED IMMEDIATELY. THE DISTRICT'S ASBESTOS TECHNICAL UNIT WILL PERFORM ANY NECESSARY TESTING AND CLEANUP, AND THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COSTS RESULTING FROM THE DISTURBANCE OF THESE MATERIALS.
16. SUBMIT PHASING PLAN AND MILESTONE SCHEDULE IN ACCORDANCE WITH SECTION 01010, "PHASING OF THE WORK".
17. WHERE A.C. PAVEMENT IS INDICATED ON THE PLANS TO BE REMOVED CLOSER THAN 5' TO A BUILDING OR STORAGE CONTAINER (GREATER THAN 20'), CUT 6" AWAY FROM THE BUILDING OR THE CONTAINER WITH A CONCRETE CUTTING SAW BEFORE THE REMOVAL. SAW CUTTING TO BE PERFORMED DURING OFF-HOURS OR AS DIRECTED BY THE OAR.
18. WHEREVER PAVING IS SHOWN TO START 5'-0" FROM EXISTING BUILDING OR STRUCTURE, SEAL COAT OVER EXISTING PAVING WHEN SEALING NEW A.C.
19. RUBBER MATS SHOULD BE REMOVED AND REPLACED IN EQUAL OR BETTER CONDITION (IF THE EQUIPMENT WITHIN THE MAT AREA WILL BE PROTECTED) AFTER THE EXISTING AC IS REMOVED AND THE NEW AC AND CMB ARE INSTALLED. CONTRACTOR SHOULD SAWCUT AROUND THE EQUIPMENT ADJACENT TO THE FOUNDATION(S).
20. SEE GEOTECHNICAL REPORT A8326-06-27 DATED APRIL 4, 2008 PER GEOCON INLAND EMPIRE INC. FOR ADDITIONAL INFORMATION.

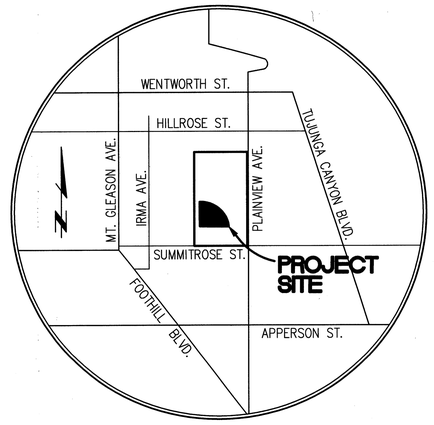
PARTIAL LIST APPLICABLE STANDARDS

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS	2002 EDITION
NFPA 14	STANDPIPE SYSTEMS	2003 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2002 EDITIONS
NFPA 17A	WET CHEMICAL SYSTEMS	2002 EDITION
NFPA 20	STATIONARY PUMPS	2003 EDITION
NFPA 24	PRIVATE FIRE MAINS	2002 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) (NOTE:SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	2002 EDITION
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2006 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2004 EDITION

REFERENCE CODE SECTION FOR NFPA STANDARDS-2007 CBS (SFM) CHAPTER 35

SCOPE OF WORK:

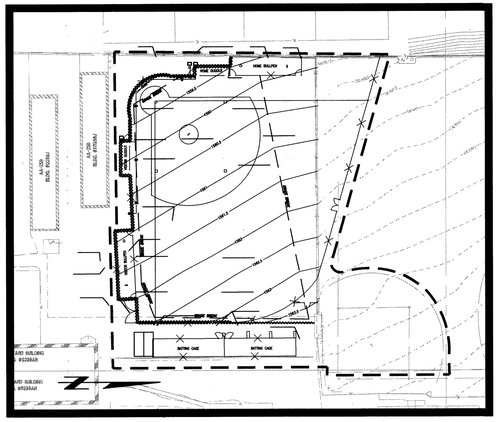
THIS PROJECT IS TO RENOVATE AN EXISTING PLAYGROUND PAVEMENT AREA TO A SOFTBALL FIELD PER CURRENT AND APPLICABLE LAUSD SPECIFICATIONS, CODES, AND EXISTING FACILITIES GUIDELINES. THE DEMOLITION WORK INVOLVES REMOVING APPROXIMATELY 37,318 SQUARE FEET OF EXISTING ASPHALT CONCRETE, RELOCATING 187 FEET OF CHAIN LINK FENCE AND REMOVING THREE CONCRETE HANDBALL COURTS. THE INSTALLATION WORK INVOLVES RE-INSTALLING BOTH 12 FOOT AND 16 FOOT HIGH CHAIN LINK FENCE, 460 FEET OF NEW FENCE, PROVIDING APPROXIMATELY 32,560 SQUARE FEET OF NEW TURF AND IRRIGATION SYSTEM FOR THE NEW SOFTBALL FIELD. THE NEW SOFTBALL FIELD IS TO INCLUDE DUGOUTS, PERPENDICULAR ARCH BACKSTOP, 30 FOOT FOUL POLES, DECOMPOSED GRANITE INFIELD AND TWO ADDITIVE ALTERNATE BID ITEMS. ADDITIVE ALTERNATE BID ITEM #1 IS THE INSTALLATION OF HOME AND VISITOR BULLPENS ON EITHER SIDE OF THE FIELD. ADDITIVE ALTERNATE BID ITEM #2 IS THE INSTALLATION OF TWO BATTING CAGES IN THE AREA OCCUPIED BY THE HANDBALL COURTS. ELECTRICAL SERVICE IS TO BE PROVIDED FOR GFI OUTLETS IN DUGOUTS AND CONDUIT STUB FOR A FUTURE SCOREBOARD. WATER SERVICE IS TO BE PROVIDED FOR THREE DRINKING FOUNTAINS AND THE IRRIGATION SYSTEM. ADA ACCESS TO BE PROVIDED INCLUDES DRINKING FOUNTAIN, SIGNAGE AND CLEAR PATH OF TRAVEL.



VICINITY MAP
N.T.S.

SCHOOL ADDRESS:
10625 PLAINVIEW AVENUE
TUJUNGA, CA 91042

SITE PLAN:



SHEET INDEX:

1 C-1.1 TITLE SHEET

CIVIL:
2 C-2.1 DEMOLITION PLAN
3 C-3.1 SITE LAYOUT AND PRECISE GRADING PLAN
4 C-4.1 DOMESTIC WATER PLAN
5 C-5.1 HORIZONTAL CONTROL, ADA PATH OF TRAVEL, SIGNING AND STRIPING PLAN
6 C-6.1 EROSION CONTROL PLAN
7 C-7.1 DETAIL SHEET
8 C-7.2 DETAIL SHEET

ELECTRICAL:
9 E-1.1 SYMBOL LIST, NOTES
10 E-2.1 SITE PLAN ELECTRICAL
11 E-2.2 PARTIAL SITE PLAN ELECTRICAL
12 E-3.1 ELECTRICAL DETAIL

LANDSCAPE:
13 L-1.1 IRRIGATION PLAN
14 L-2.1 PLANTING PLAN
15 L-3.1 DETAIL SHEET

STANDARD CONCRETE NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 301-89, ACI 318-95 AND THE SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS UNLESS NOTED OTHERWISE.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES CLASS "B" AND ALL HOOKS SHALL BE STANDARD UNLESS NOTED OTHERWISE.
4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

   CONCRETE CAST AGAINST EARTH 3 IN.

   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #6 AND LARGER 2 IN.
   #5 AND SMALLER & WWF 1-1/2 IN.

   CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
   SLAB AND WALL 3/4 IN.
   BEAMS AND COLUMNS 1-1/2 IN.

5. A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE UNLESS NOTED OTHERWISE IN ACCORDANCE WITH ACI SECTION 4.2.4.
6. HOLES TO RECEIVE EXPANSION/WEDGE ANCHORS SHALL BE 1/8" LARGER IN DIAMETER THAN THE ANCHOR BOLT, DOWEL OR ROD AND SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. LOCATE AND AVOID CUTTING EXISTING REBAR WHEN DRILLING HOLES IN ELEVATED CONCRETE SLABS.
7. USE AND INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER ICBO & MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURES.

STANDARD STRUCTURAL STEEL NOTES:

1. ALL METAL WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATION GALVANIZED ASTM A36 UNLESS NOTED OTHERWISE.
2. STRUCTURAL TUBING MEMBERS SHALL CONFORM TO ASTM A500, GRADE B OR A501.
3. ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND AWS D1.1. WHERE FILLET WELD SIZES ARE

"AS-BUILT"

PROJECT TYPE		DRAWING PHASE SCHEDULE							
DSA SUBMITTAL	NON_DSA SUBMITTAL	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	50% CONSTRUCTION DOUMENTS	100% CONSTRUCTION DOUMENTS	DSA APPROVED	BIDDING	CONSTRUCTION
					4/16/08	7/3/08			

LOS ANGELES UNIFIED SCHOOL DISTRICT
DESIGN AND A/E TECHNICAL SUPPORT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213) 241-4254
FAX: (213) 241-4199

PROJECT TITLE AND SCHOOL LOCATION
VERDUGO HILLS HIGH SCHOOL SOFTBALL FIELD RENOVATION
PIC # 23.07171
VERDUGO HILLS HIGH SCHOOL
10625 PLAINVIEW AVENUE
TUJUNGA, CA 91042

COMMISSIONED ENGINEER
PENCO ENGINEERING, INC.
CIVIL ENGINEER
ONE TECHNOLOGY PARK
BLDG. J-725
IRVINE, CA 92618
TEL: 949-753-8111
FAX: 949-753-0775

CONSULTANTS
TURPIN & RATTAN, INC.
ELECTRICAL ENGINEER
OLEA LANDSCAPE ARCH
LANDSCAPE ARCHITECT
P.A. ARCA ENGINEERING, INC.
SURVEYOR

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER
BRENT CHAMBERLAIN
No. 41889
Exp. 3-31-10
CIVIL
STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

2	AS-BUILT	11/27/09

SHEET TITLE:
TITLE SHEET

PROJECT NO.:	23.07171	PROJECT ENG:	BWC
DRAWN:	AA	CHECKED:	ON

SHEET NUMBER
C-1.1

DATE: 7/3/08 SHEET: 1 OF: 15

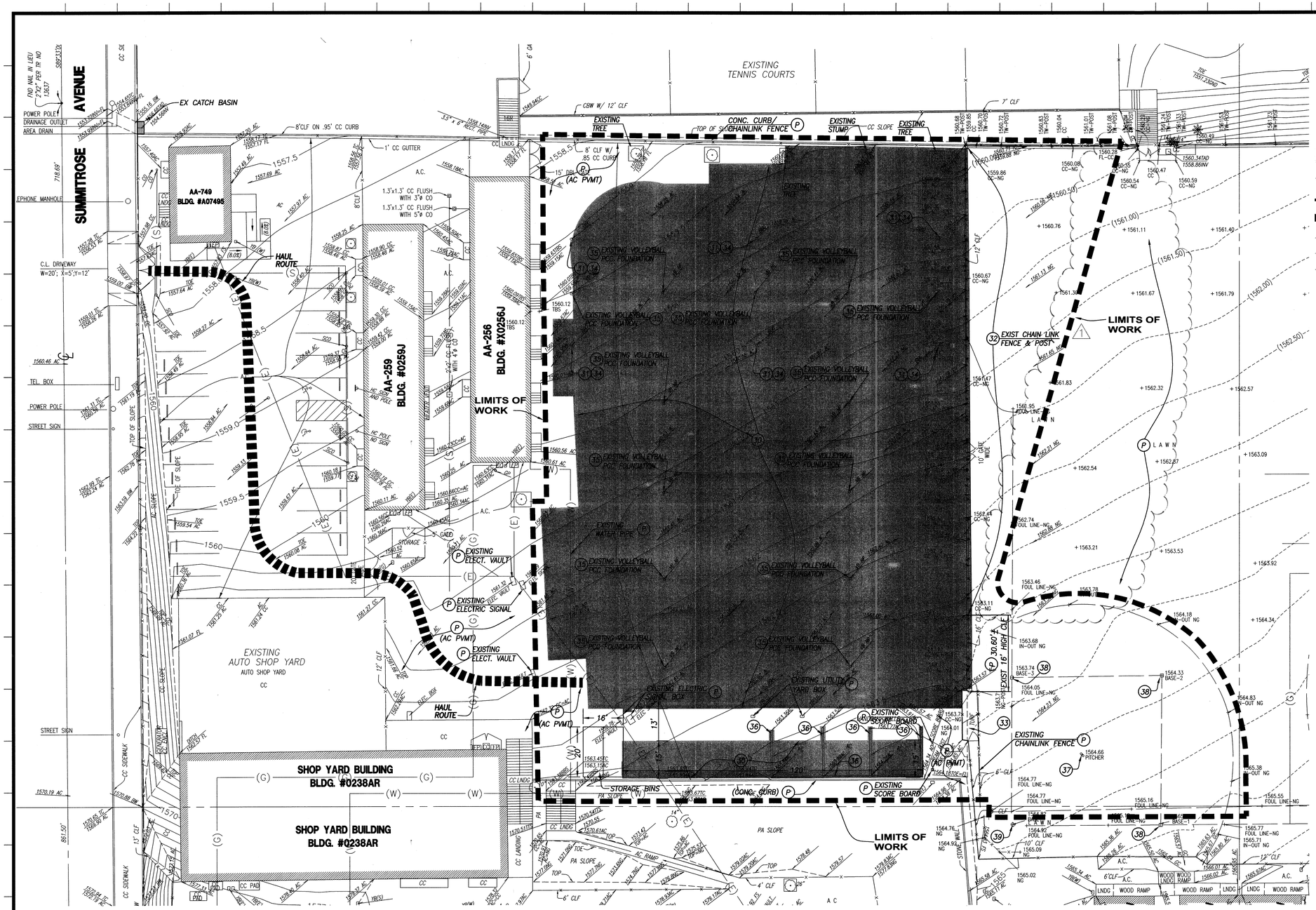
"JANUARY 2007 VERSION"

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FOR REFERENCE ONLY



LEGEND

- EXIST. AC PAVEMENT TO BE REMOVED
- EXIST. AC. PAVEMENT TO REMAIN (PROTECT IN PLAN)
- EXIST. CHAIN LINK FENCE
- LIMITS OF WORK
- HAUL ROUTE
- (W) EXIST. WATER LINE
- (E) EXIST. ELECTRICAL CONDUIT
- (G) EXIST. GAS LINE

ABBREVIATIONS

AC	ASPHALT CONCRETE
CONC	CONCRETE
CLF	CHAIN LINK FENCE
D	DEPTH
DF	DRINKING FOUNTAIN
DW	DOMESTIC WATER
DWG	DRAWING
EXIST	EXISTING
FS	FINISH SURFACE
FG	FINISH GRADE
H	HEIGHT
LAUSD	LOS ANGELES UNIFIED SCHOOL DISTRICT
LS	LANDSCAPE
PCC	PORTLAND CEMENT CONCRETE
PVMT	PAVEMENT
R	RADIUS
STD	STANDARD
SPECS	SPECIFICATIONS
W	WATER
NG	NATURAL GRADE
CC	CEMENT CONCRETE
GP	GUARD POST
BBG	BASKETBALL GOAL
VB NP	VOLLEYBALL NET POST
TC	TOP OF CURB
FL	FLOOR LINE
BW	BACK OF WALK
YB	YARD BOX
TW	TOP OF WALL
EP	EDGE OF PAVEMENT
CO	CLEAN OUT
DBL	DOUBLE
BBS	BOTTOM OF BOTTOM STAIR
TTS	TOP OF TOP STAIR
LNDG	LANDING
PA	PLANTING AREA
SCO	SEWER CLEAN OUT
INV	INVERT
TAD	TOP AT DRAIN

DEMOLITION CONSTRUCTION NOTES

- (P) PROTECT IN PLACE
- (30) SAWCUT, REMOVE AND DISPOSE OF EXISTING AC PAVEMENT, BASE AND SUBBASE (UNCLASSIFIED EXCAVATION)
- (31) REMOVE AND SALVAGE EXISTING BASKETBALL GOALS
- (32) REMOVE AND SALVAGE EXISTING CHAIN LINK FENCE, REMOVE AND DISPOSE OF EXISTING FOOTINGS
- (33) REMOVE AND SALVAGE EXISTING DUGOUT EQUIPMENT
- (34) REMOVE AND DISPOSE OF EXISTING BASKETBALL PCC FOUNDATION
- (35) REMOVE AND DISPOSE OF EXISTING VOLLEYBALL PCC FOUNDATION
- (36) REMOVE AND DISPOSE OF EXISTING CONCRETE HANDBALL COURTS WALLS AND FOOTINGS
- (37) REMOVE AND SALVAGE EXISTING PITCHING RUBBER AND ANCHOR
- (38) REMOVE AND SALVAGE EXISTING BASE AND ANCHOR
- (39) REMOVE AND SALVAGE EXISTING HOME PLATE AND ANCHOR

DIGALERT
DIAL TOLL FREE
1-800-422-4133
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

"AS-BUILT"

PROJECT TYPE	DRAWING PHASE SCHEDULE								
DSA SUBMITTAL	NON_DSA SUBMITTAL	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	50% CONSTRUCTION DOUMENTS	100% CONSTRUCTION DOUMENTS	DSA APPROVED	BIDDING	CONSTRUCTION
					4/16/08	7/3/08			

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LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT
DESIGN AND A/E TECHNICAL SUPPORT FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
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FAX: (213) 241-4199

PROJECT TITLE AND SCHOOL LOCATION

VERDUGO HILLS HIGH SCHOOL SOFTBALL FIELD RENOVATION
PIC # 23.07171
VERDUGO HILLS HIGH SCHOOL
10625 PLAINVIEW AVENUE
TUJUNGA, CA 91042

COMMISSIONED ENGINEER

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BLDG. J-725
IRVINE, CA 92618
TEL: 949-753-8111
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CONSULTANTS

TURPIN & RATTAN, INC.
ELECTRICAL ENGINEER
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LANDSCAPE ARCHITECT
P.A. ARCA ENGINEERING, INC.
SURVEYOR

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER
BRENT CHAMBERLAIN
No. 41889
Exp. 3-31-10
CIVIL
STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

1	RELOCATE OUTFIELD FENCE	2/13/09
2	AS-BUILT	11/27/09

SHEET TITLE:

DEMOLITION PLAN

PROJECT NO.:	23.07171	PROJECT ENG:	BWC
DRAWN:	AA	CHECKED:	ON

SHEET NUMBER

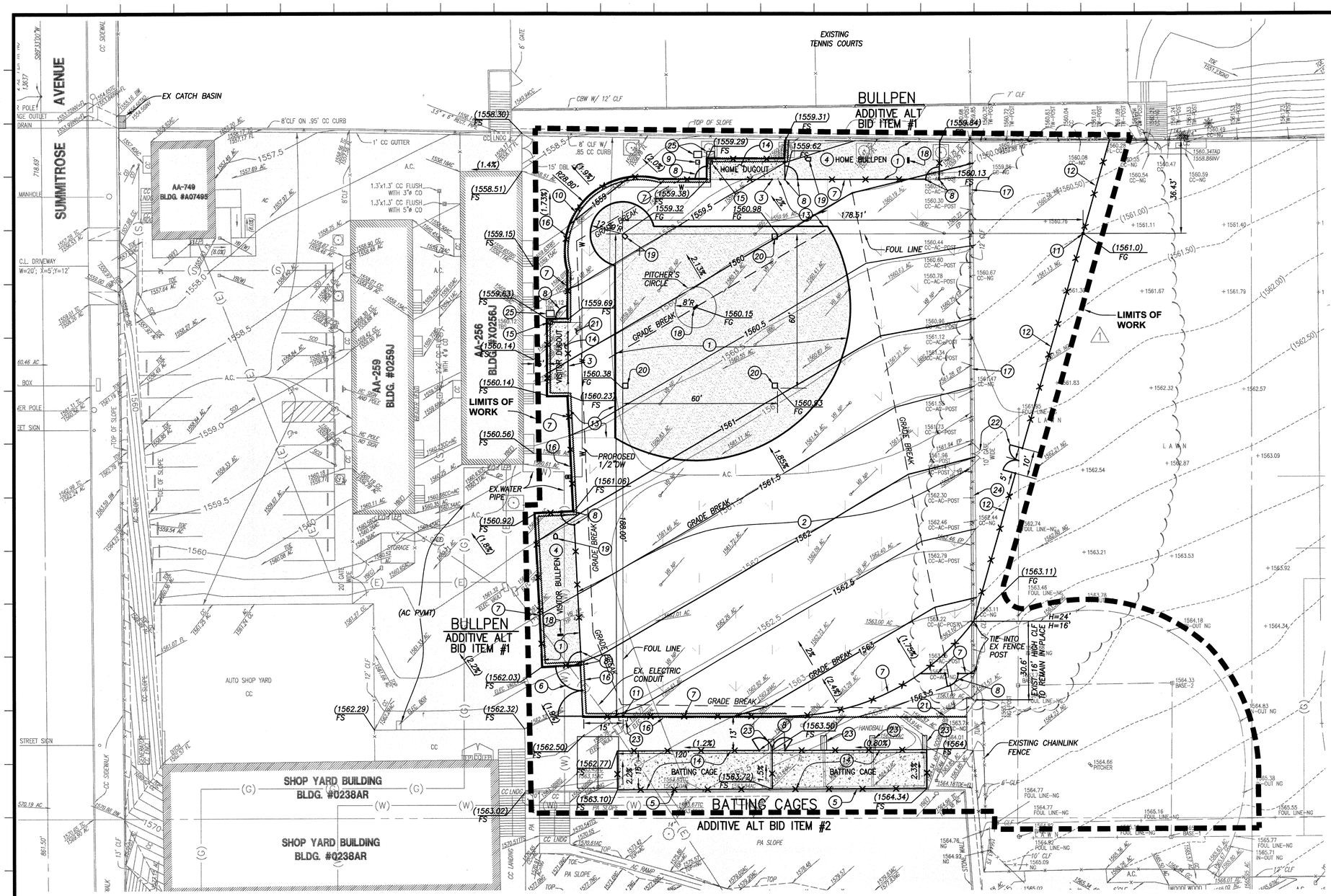
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DATE: 7/3/08 SHEET: 2 OF: 15

JANUARY 2007 VERSION

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LEGEND

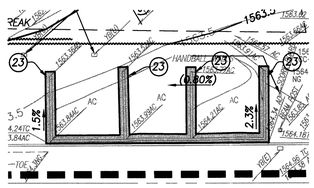
- DECOMPOSED GRANITE
- GRASS TURF
- CONCRETE
- EXIST. AC PAVEMENT (PROTECT IN PLACE)
- LIMITS OF WORK
- NEW OR RELOCATED CHAIN LINK FENCE
- EXIST. CHAIN LINK FENCE
- NEW PCC MOW STRIP
- NEW 16" PCC HEADER AT FENCE
- 1561 — PROPOSED COUNTOUR
- 1562 — EXIST. COUNTOUR
- 1.0% — PROPOSED SLOPE
- (1.0%) — EXIST. SLOPE

ABBREVIATIONS

AC	ASPHALT CONCRETE
CONC	CONCRETE
CLF	CHAIN LINK FENCE
D	DEPTH
DF	DRINKING FOUNTAIN
DW	DOMESTIC WATER
DWG	DRAWING
EXIST	EXISTING
FS	FINISH SURFACE
FG	FINISH GRADE
H	HEIGHT
LAUSD	LOS ANGELES UNIFIED SCHOOL DISTRICT
LS	LANDSCAPE
PCC	PORTLAND CEMENT CONCRETE
PVMT	PAVEMENT
R	RADIUS
STD	STANDARD
SPECS	SPECIFICATIONS
W	WATER
NG	NATURAL GRADE
CC	CEMENT CONCRETE
GP	GUARD POST
BBG	BASKETBALL GOAL
VB NP	VOLLEYBALL NET POST
TC	TOP OF CURB
FL	FLOOR LINE
BW	BACK OF WALK
YB	YARD BOX
TW	TOP OF WALL
EP	EDGE OF PAVEMENT
CO	CLEAN OUT
DBL	DOUBLE
BBS	BOTTOM OF BOTTOM STAIR
TTS	TOP OF TOP STAIR
LNDG	LANDING
PA	PLANTING AREA
SCO	SEWER CLEAN OUT
INV	INVERT
TAD	TOP AT DRAIN

PRECISE GRADING CONSTRUCTION NOTES

1. PREPARE SUBGRADE AND INSTALL DECOMPOSED GRANITE MIX PER LS PLAN
2. PREPARE SUBGRADE AND INSTALL HYBRID BERMUDA GRASS PER LS PLAN
3. CONSTRUCT CHAIN LINK FENCE DUGOUT PER DETAIL 3 ON SHEET NO. C-7.2
4. CONSTRUCT CHAIN LINK FENCE BULLPEN PER DETAIL 4 ON SHEET NO. C-7.1
5. CONSTRUCT CHAIN LINK FENCE BATTING CAGE WITH TRUSSES AND NYLON MESH PER DETAIL 5 ON SHEET NO. C-7.2
6. CONSTRUCT 20' WIDE CHAIN LINK VEHICULAR SWING GATE PER LAUSD GUIDE SPECS & PER DETAIL 6 ON SHEET NO. C-7.1
7. CONSTRUCT 8' HIGH CHAIN LINK FENCE PER LAUSD GUIDE SPECS & PER DETAIL 7 ON SHEET NO. C-7.1
8. CONSTRUCT 5' WIDE CHAIN LINK PEDESTRIAN SWING GATE PER DETAIL 8 ON SHEET NO. C-7.1
9. INSTALL HANDICAPPED ACCESSIBLE DRINKING FOUNTAIN PER "HAWS CORPORATION MODEL NO. 3177" OR APPROVED EQUAL
10. CONSTRUCT CHAIN LINK FENCE PERPENDICULAR ARCH BACKSTOP PER "PERFORMANCE ATHLETICS MFG. MODEL NO. 1715" OR APPROVED EQUAL
11. CONSTRUCT 30' HIGH FOUL BALL POLE PER LAUSD STD DWG L-2 AND PW ATHLETIC MFG. CO. MODEL #1218 OR APPROVED EQUAL PER DETAIL 11 ON SHEET NO. C7.1
12. CONSTRUCT 24' HIGH CHAIN LINK FENCE WITH NYLON NETTING PER LAUSD GUIDE SPECS & PER DETAIL 7 ON SHEET NO. C-7.1
13. PREPARE SUBGRADE AND INSTALL FESCUE-MARATHON II GRASS PER LS PLAN
14. CONSTRUCT 4" THICK PCC PER LAUSD GUIDE SPECS AND DETAIL 14 ON SHEET NO. C-7.2
15. INSTALL DRINKING FOUNTAIN PER "HAWS CORPORATION MODEL NO. 3121" OR APPROVED EQUAL
16. INSTALL PCC HEADER AT FENCE PER DETAIL 16 ON SHEET NO. C-7.1
17. REMOVE AND SALVAGE EXIST 12' HIGH CHAIN LINK FENCE WITH NYLON NETTING PER LAUSD GUIDE SPECIFICATIONS.
18. INSTALL PITCHING RUBBER AND ANCHOR PER DETAIL 18 ON SHEET NO. C-7.1
19. INSTALL HOME PLATE AND ANCHOR PER DETAIL 19 ON SHEET NO. C-7.1
20. INSTALL BASE AND ANCHOR PER DETAIL 20 ON SHEET NO. C-7.1
21. INSTALL PCC MOW STRIP PER DETAIL 21 ON SHEET NO. C-7.1
22. RELOCATE EXISTING 10' WIDE CHAIN LINK FENCE VEHICULAR SWING GATE WITH NYLON NETTING PER LAUSD GUIDE SPECIFICATIONS & PER DETAIL 7 ON SHEET NO. C-7.1
23. CONSTRUCT FULL DEPTH AC PAVEMENT SECTION TO MATCH EXISTING
24. REMOVE AND SALVAGE EXIST 16' HIGH CHAIN LINK FENCE WITH NYLON NETTING PER LAUSD GUIDE SPECIFICATIONS.
25. CONSTRUCT DRY WELL PER DETAIL 25 ON SHEET NO. C-7.1



HANDBALL COURTS

CONSTRUCTION IF BATTING CAGES NOT INSTALLED PER ADDITIVE ALT BID ITEM #2

20 10 0 20 40 60

SCALE: 1" : 20'

"AS-BUILT"

PROJECT TYPE		DRAWING PHASE SCHEDULE						
DSA SUBMITTAL	NON_DSA SUBMITTAL	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	50% CONSTRUCTION DOUMENTS	100% CONSTRUCTION DOUMENTS	DSA APPROVED	BIDDING	CONSTRUCTION
					4/16/08	7/3/08			

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LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

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FAX: (213) 241-4199

PROJECT TITLE AND SCHOOL LOCATION

VERDUGO HILLS HIGH SCHOOL SOFTBALL FIELD RENOVATION
PIC # 23.07171
VERDUGO HILLS HIGH SCHOOL
10625 PLAINVIEW AVENUE
TUJUNGA, CA 91042

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TEL: 949-753-8111
FAX: 949-753-0775

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LANDSCAPE ARCHITECT
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SURVEYOR

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Exp. 3-31-10
CIVIL
STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

1	RELOCATE OUTFIELD FENCE	2/13/09
2	AS-BUILT	11/27/09

SHEET TITLE:

SITE LAYOUT AND PRECISE GRADING PLAN

PROJECT NO.:	23.07171	PROJECT ENG:	BWC
DRAWN:	AA	CHECKED:	ON

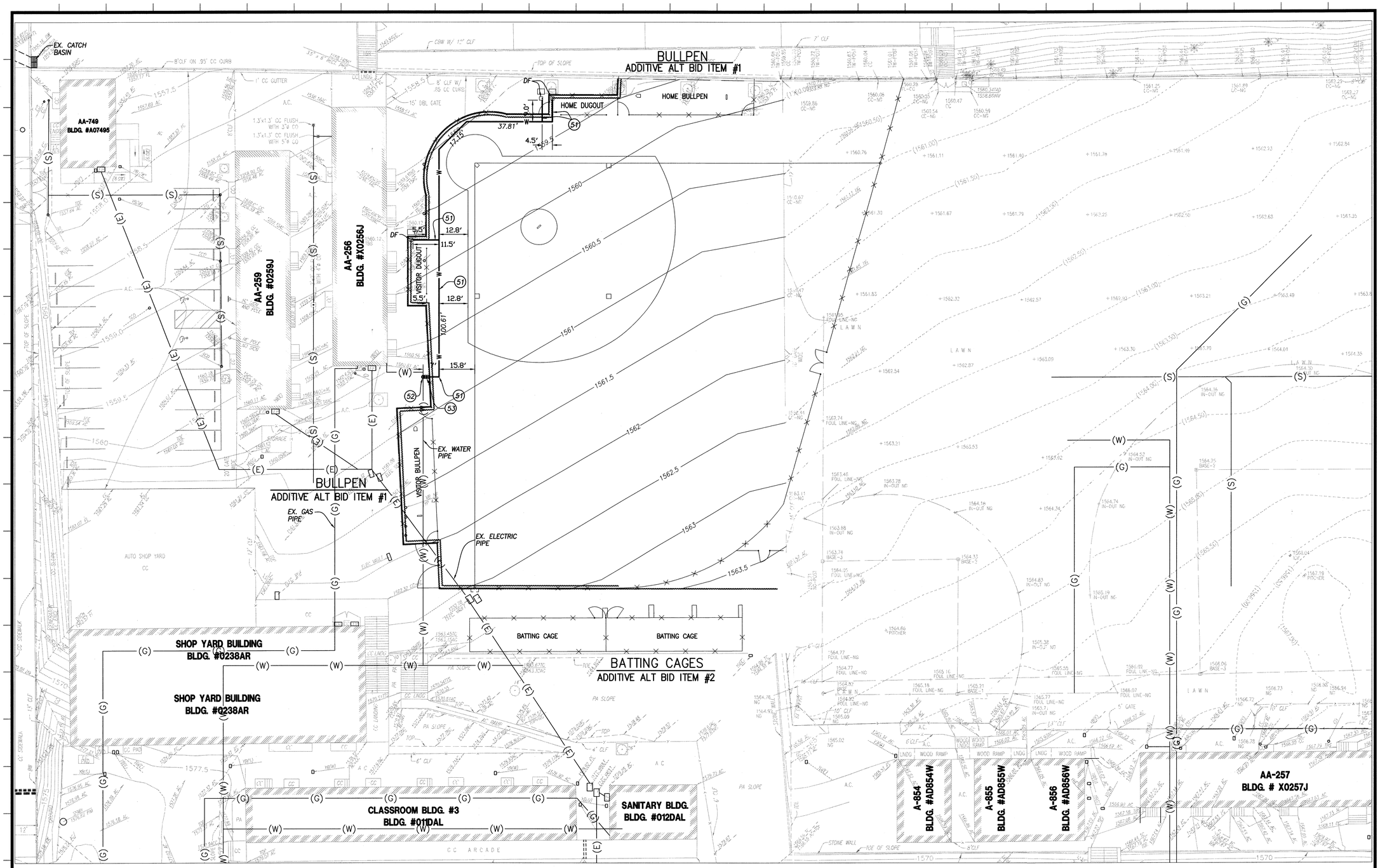
SHEET NUMBER
C-3.1

DATE: 7/3/08 SHEET: 3 OF: 15

"JANUARY 2007 VERSION"

8914.30.000

FOR REFERENCE ONLY



UTILITY CONSTRUCTION NOTES

(51) INSTALL 1/2" PVC SCH 80 DOMESTIC WATER LINE

(52) POINT OF CONNECTION (FIELD VERIFY EXIST DOMESTIC WATER LINE)

(53) INSTALL MANUAL CONTROL VALVE AND CONCRETE YARD BOX PER DETAIL 53 ON SHEET C-7.1

LEGEND

— — — —	LIMITS OF WORK
×—×—×	CHAIN LINK FENCE
——W——	PROPOSED DOMESTIC WATER LINE
——(W)——	EXISTING DOMESTIC WATER LINE
——(S)——	EXISTING SEWER LINE
——(G)——	EXISTING GAS LINE
——(E)——	EXISTING ELECTRIC LINE
DF	DRINKING FOUNTAIN
SCO	SEWER CLEANOUT
CO	CLEANOUT
ELEC	ELECTRIC

20 10 0 20 40 60

SCALE: 1" : 20'

"AS-BUILT"

PROJECT TYPE		DRAWING PHASE SCHEDULE							
DSA SUBMITTAL	NON_DSA SUBMITTAL	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	50% CONSTRUCTION DOUMENTS	100% CONSTRUCTION DOUMENTS	DSA APPROVED	BIDDING	CONSTRUCTION
					4/16/08	7/3/08			

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333 S. BEAUDRY AVENUE, 23RD FLOOR
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FAX: (213) 241-4199

PROJECT TITLE AND SCHOOL LOCATION

VERDUGO HILLS HIGH SCHOOL SOFTBALL FIELD RENOVATION
PIC # 23.07171
VERDUGO HILLS HIGH SCHOOL
10625 PLAINVIEW AVENUE
TUJUNGA, CA 91042

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SURVEYOR

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Exp. 3-31-10
CIVIL
STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

1		
2	AS-BUILT	11/27/09
3		
4		

SHEET TITLE:

DOMESTIC WATER PLAN

PROJECT NO.:	23.07171	PROJECT ENG:	BWC
DRAWN:	AA	CHECKED:	ON

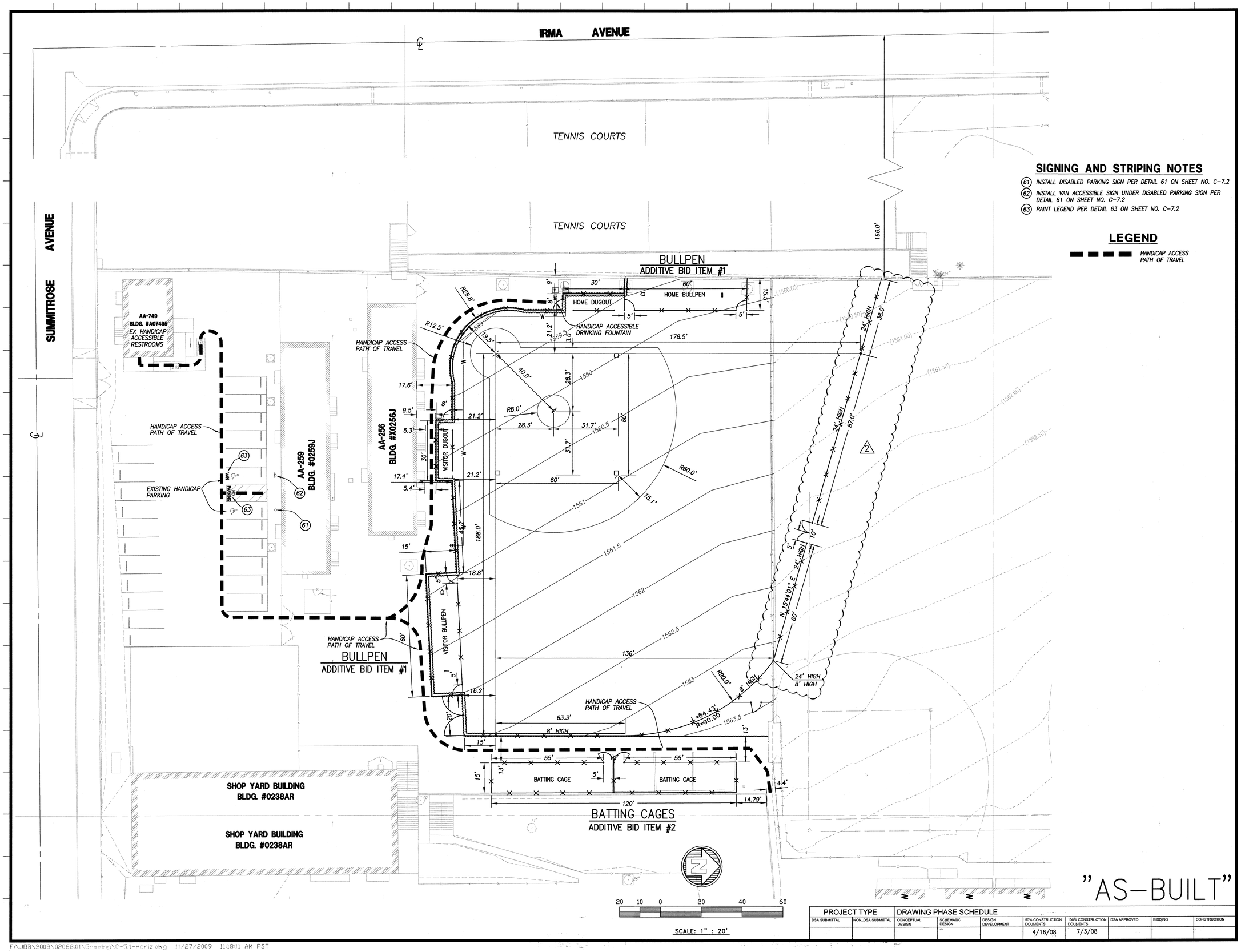
SHEET NUMBER

C-4.1

DATE: 7/3/08 SHEET: 4 OF: 15

"SANITARY SEWER VERSION"
8914.30.000

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SIGNING AND STRIPING NOTES

(61) INSTALL DISABLED PARKING SIGN PER DETAIL 61 ON SHEET NO. C-7.2
(62) INSTALL VAN ACCESSIBLE SIGN UNDER DISABLED PARKING SIGN PER DETAIL 61 ON SHEET NO. C-7.2
(63) PAINT LEGEND PER DETAIL 63 ON SHEET NO. C-7.2

LEGEND

HANDICAP ACCESS PATH OF TRAVEL

"AS-BUILT"

PROJECT TYPE	DRAWING PHASE SCHEDULE							
DSA SUBMITTAL	NON_DSA SUBMITTAL	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	50% CONSTRUCTION DOUMENTS	100% CONSTRUCTION DOUMENTS	DSA APPROVED	BIDDING	CONSTRUCTION
					4/16/08	7/3/08			

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DESIGN AND A/E TECHNICAL SUPPORT
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FAX: (213) 241-4199

PROJECT TITLE AND SCHOOL LOCATION

VERDUGO HILLS HIGH SCHOOL SOFTBALL FIELD RENOVATION
PIC # 23.07171
VERDUGO HILLS HIGH SCHOOL
10625 PLAINVIEW AVENUE
TUJUNGA, CA 91042

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SURVEYOR

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CIVIL
STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

1	AS-BUILT	11/27/09

SHEET TITLE:

HORIZONTAL CONTROL ADA PATH OF TRAVEL SIGNING AND STRIPING PLAN

PROJECT NO.:	23.07171	PROJECT ENG:	BWC
DRAWN:	AA	CHECKED:	ON

SHEET NUMBER: **C-5.1**

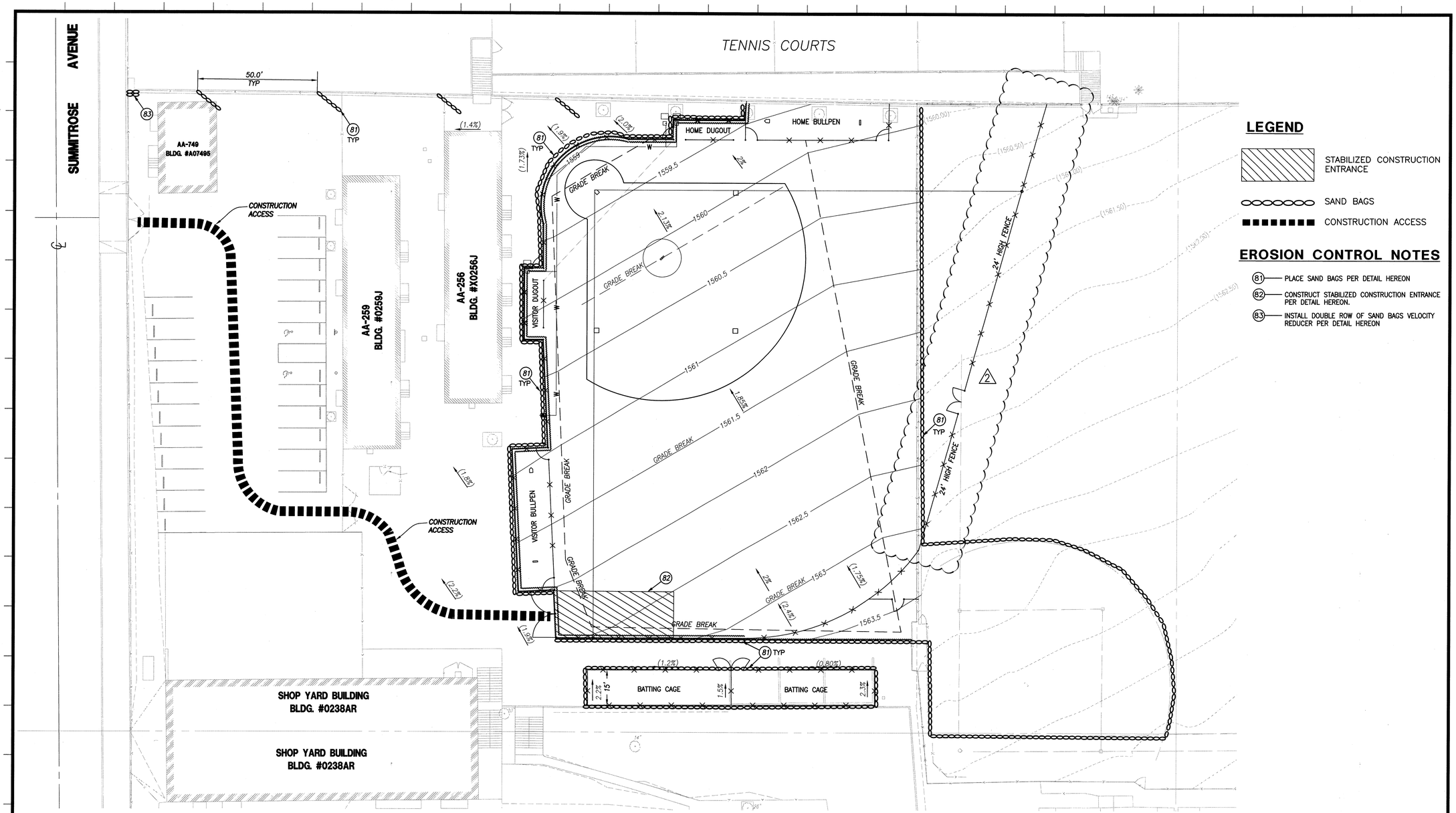
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"JANUARY 2007 VERSION"

8914.30.000

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FOR REFERENCE ONLY



LEGEND

- STABILIZED CONSTRUCTION ENTRANCE
- SAND BAGS
- CONSTRUCTION ACCESS

EROSION CONTROL NOTES

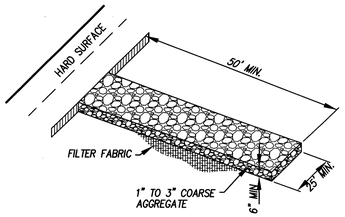
(81) PLACE SAND BAGS PER DETAIL HEREON

(82) CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE PER DETAIL HEREON.

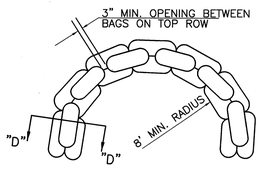
(83) INSTALL DOUBLE ROW OF SAND BAGS VELOCITY REDUCER PER DETAIL HEREON

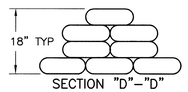


(81) SINGLE ROW SAND BAGS (1 WIDE X 2 HIGH)
N.T.S.



(82) STABILIZED CONSTRUCTION ENTRANCE
N.T.S.





(83) DOUBLE ROW SAND BAGS
N.T.S.

20 10 0 20 40 60
SCALE: 1" : 20'

"AS-BUILT"

PROJECT TYPE		DRAWING PHASE SCHEDULE							
DSA SUBMITTAL	NON_DSA SUBMITTAL	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	50% CONSTRUCTION DOUMENTS	100% CONSTRUCTION DOUMENTS	DSA APPROVED	BIDDING	CONSTRUCTION
					4/16/08	7/3/08			

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LOS ANGELES UNIFIED SCHOOL DISTRICT
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LOS ANGELES, CALIFORNIA 90017
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PROJECT TITLE AND SCHOOL LOCATION

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PIC # 23.07171
VERDUGO HILLS HIGH SCHOOL
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CONSULTANTS

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P.A. ARCA ENGINEERING, INC.
SURVEYOR

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER
BRENT CHAMBERLAIN
No. 41889
Exp. 3-31-10
CIVIL
STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

1	AS-BUILT	11/27/09

SHEET TITLE:

EROSION CONTROL PLAN

PROJECT NO.:	23.07171	PROJECT ENG:	BWC
DRAWN:	AA	CHECKED:	ON

SHEET NUMBER

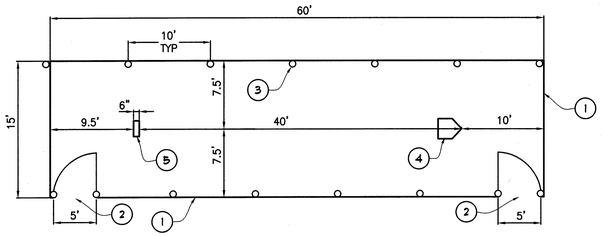
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DATE: 7/3/08 SHEET: 6 OF: 15

"JANUARY 2009 VERSION"

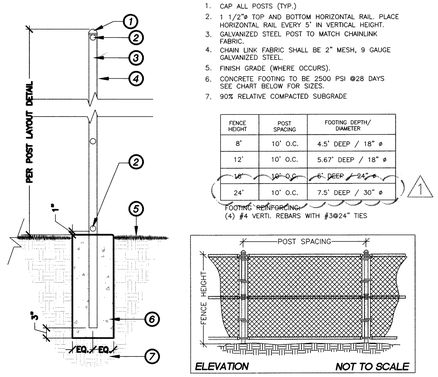
8914.30.000

FOR REFERENCE ONLY



1. 8' HT. CHAIN LINK FENCE PER DETAIL 7 SHEET C–7.1
2. 5' WIDE PER SWING GATE PER DETAIL 8 SHEET C– 7.1
3. POST PER DETAIL 7 SHEET C– 7.1
4. HOME PLATE. PLACE AT THE END NEAREST TO THE BACKSTOP
5. PITCHING RUBBER. PLACE AT END NEAREST TO THE FOUL POLE

4 BULLPEN
NTS
ADDITIVE BID ITEM #1



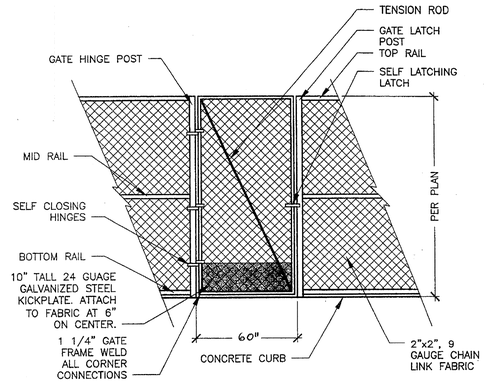
DETAIL NOTES:
1. CAP ALL POSTS (TYP.)
2. 1 1/2"ø TOP AND BOTTOM HORIZONTAL RAIL. PLACE HORIZONTAL RAIL EVERY 5' IN VERTICAL HEIGHT.
3. GALVANIZED STEEL POST TO MATCH CHAINLINK FABRIC.
4. CHAIN LINK FABRIC SHALL BE 2" MESH, 9 GAUGE GALVANIZED STEEL.
5. FINISH GRADE (WHERE OCCURS).
6. CONCRETE FOOTING TO BE 2500 PSI @28 DAYS SEE CHART BELOW FOR SIZES.
7. 90% RELATIVE COMPACTED SUBGRADE

FENCE HEIGHT	POST SPACING	FOOTING DEPTH/ DIAMETER
8'	10' O.C.	4.5' DEEP / 18" ø
12'	10' O.C.	5.67' DEEP / 18" ø
18'	10' O.C.	6' DEEP / 24" ø
24'	10' O.C.	7.5' DEEP / 30" ø

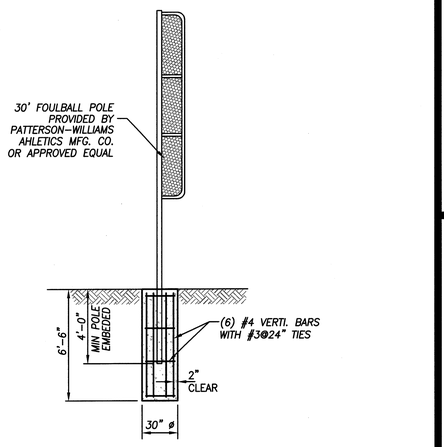
FOOTING REINFORCING
(4) #4 VERTI. REBARS WITH #3@24" TIES

1

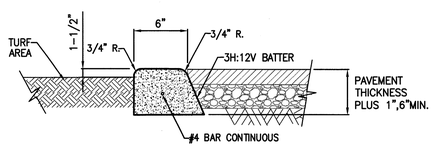
7 *Chain Link Fencing Post Footing*
NTS



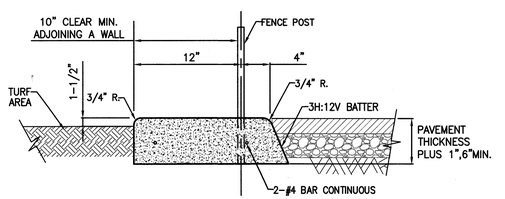
8 CHAIN LINK GATE
NTS



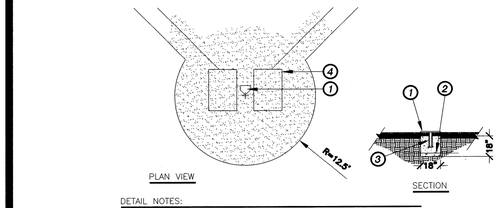
11 FOUL BALL POLE
NTS



21 PCC MOW STRIP
NTS

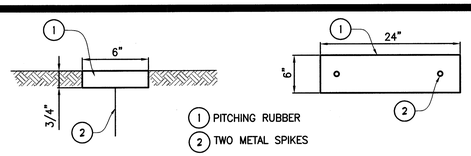


16 PCC HEADER AT FENCE
NTS

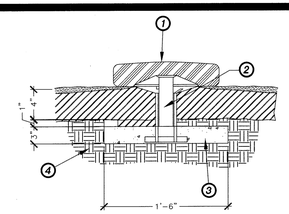


DETAIL NOTES:
1. HOME PLATE.
2. 18" SQ. CONC. FTG. PLACE 4" LONG 1"ø GALV. STL. POST AT 3" CLR. FROM BOTTOM FOR STABILIZATION.
3. GALV. STL. MOUNTING ANCHOR. (PROVIDED BY MANUF.)
4. BATTERS BOX PER LEAGUE STANDARDS.

19 *Home Plate Mounting*
NTS

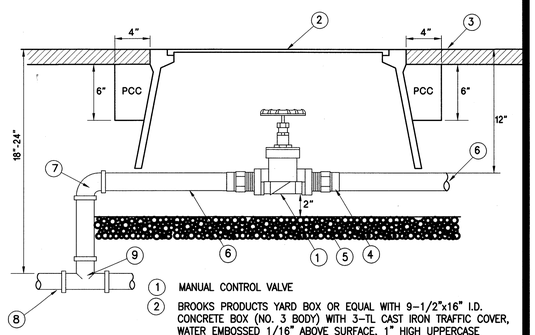


18 PITCHING RUBBER
NTS



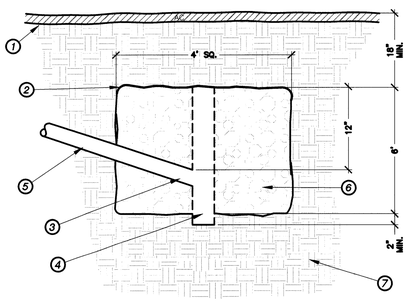
DETAIL NOTES:
1. ORIGINAL HOLLYWOOD BASE/ANCHOR SET. MANUF. BY: TOMARK SPORTS INC. (800) 959–1844. MODEL # BBP 10302. INSTALL PER MANUF. SPECS
2. ANCHOR
3. CONCRETE FOOTING.
4. 90% RELATIVE COMPACTED GRADE.

20 *Base Installation*
NTS



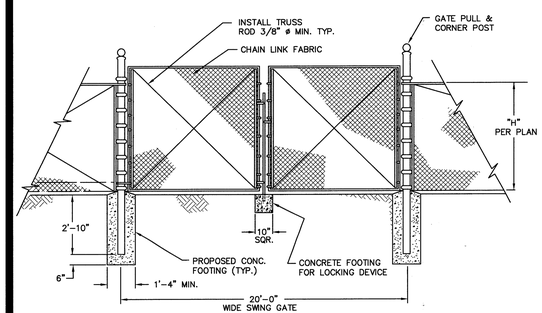
1. MANUAL CONTROL VALVE
2. BROOKS PRODUCTS YARD BOX OR EQUAL WITH 9–1/2"x16" I.D. CONCRETE BOX (NO. 3 BODY) WITH 3–TL CAST IRON TRAFFIC COVER, WATER EMBOSSED 1/16" ABOVE SURFACE, 1" HIGH UPPERCASE (PER LAUSD CVL–022)
3. FINISH SURFACE
4. PVC SCH 80 MALE ADAPTER – SIZE AS REQUIRED
5. 3/4" GRAVE; – 6" DEEP
6. 1/2" PVC LATERAL
7. PVC SCH 80 ELL – SxS
8. EX MAINLINE
9. SCH 80 PVC MAINLINE FITTING

53 MANUAL CONTROL VALVE
NTS



DETAIL NOTES:
1. FINISHED SURFACE
2. INSTALL FIBERGLASS FABRIC ON TOP OF SUMP PER SPECS.
3. INVERT ELEVATION–MAINTAIN 2% SLOPE FROM DRINKING FOUNTAIN.
4. 6" PERFORATED DRAINLINE.
5. INSTALL 2" SCH 40 PVC DRAINLINE FROM DRINKING FOUNTAIN.
6. FILL W/ 3/4" AGGREGATE.
7. NATIVE SOIL– 90% RELATIVE COMPACTION.

25 DRY WELL
N.T.S.



6 20' WIDE CHAIN LINK GATE
N.T.S.

"AS–BUILT"

PROJECT TYPE		DRAWING PHASE SCHEDULE							
DSA SUBMITTAL	NON_DSA SUBMITTAL	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	50% CONSTRUCTION DOUMENTS	100% CONSTRUCTION DOUMENTS	DSA APPROVED	BIDDING	CONSTRUCTION
					4/16/08	7/3/08			

LOS ANGELES UNIFIED SCHOOL DISTRICT
DESIGN AND A/E
TECHNICAL SUPPORT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213) 241-4254
FAX: (213) 241-4199

PROJECT TITLE AND SCHOOL LOCATION

VERDUGO HILLS HIGH SCHOOL SOFTBALL FIELD RENOVATION
PIC # 23.07171
VERDUGO HILLS HIGH SCHOOL
10625 PLAINVIEW AVENUE
TUJUNGA, CA 91042

COMMISSIONED ENGINEER
PENCO ENGINEERING, INC.
CIVIL ENGINEER
ONE TECHNOLOGY PARK
BLDG. J–725
IRVINE, CA 92618
TEL: 949–753–8111
FAX: 949–753–0775

CONSULTANTS
TURPIN & RATTAN, INC.
ELECTRICAL ENGINEER
OLEA LANDSCAPE ARCH
LANDSCAPE ARCHITECT
P.A. ARCA ENGINEERING, INC.
SURVEYOR

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER
BRENT CHAMBERLAIN
No. 41889
Exp. 3–31–10
CIVIL
STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

1	DETAIL 7 – ADD 24' FENCE	2/13/09
2	AS–BUILT	11/27/09

SHEET TITLE:
DETAIL SHEET

PROJECT NO.:	23.07171	PROJECT ENG:	BWC
DRAWN:	AA	CHECKED:	ON

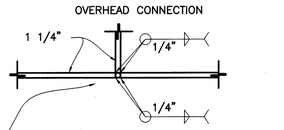
SHEET NUMBER
C-7.1

DATE: 7/3/08 SHEET: 7 OF: 15

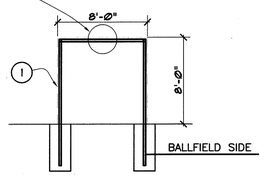
"JANUARY 2007 VERSION"

8914.30.000

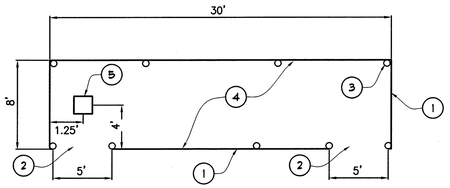
FOR REFERENCE ONLY



NOTE:
1. FULL WELD CONSTRUCTION ON ALL JOINTS.
2. WELDS MUST BE MADE BY A CERTIFIED WELDER.

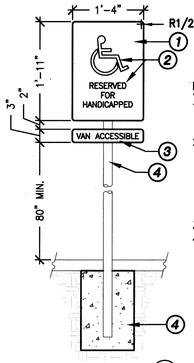


SECTION
NTS



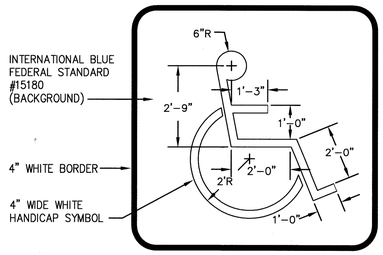
1. CHAIN LINK FENCE FABRIC. 2" .9 GAUGE FOR BOTTOM 10' PANEL TOP OF DUGOUT .11 GAUGE FOR TOP 10' PANEL
2. 5' WIDE OPEN
3. POST PER DETAIL 7 SHEET C-7.1
4. 4" PCC
5. PEDESTIAL DRINKING FOUNTAIN PER "HAWS CORPORATION" MODEL NO. 3121 OR APPROVED EQUAL

(3) DUGOUT
NTS



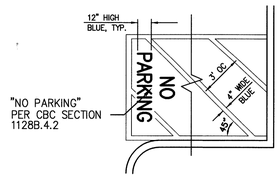
DETAIL NOTES:
1. 16 GAUGE GALVANIZED PORCELAIN STEEL SIGN WITH 3-1/8"ø x 3/4" SHEET METAL SCREWS. PAINT FASTENERS TO MATCH BACKGROUND.
2. INTERNATIONAL SYMBOL OF ACCESSIBILITY AND GRAPHICS SHALL BE WHITE (REFLECTORIZED) ON BLUE (REFLECTORIZED) BACKGROUND. BLUE SHALL BE EQUAL TO COLOR #15090 IN FEDERAL STANDARD 5950. GRAPHICS WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:5 AND 1:1. STROKE WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:5 AND 1:10.
3. DESIGNATE 'VAN ACCESSIBLE' PER PLAN
4. EXISTING STEEL POST AND FOOTING.

(61) PARKING SIGN
NTS



VAN

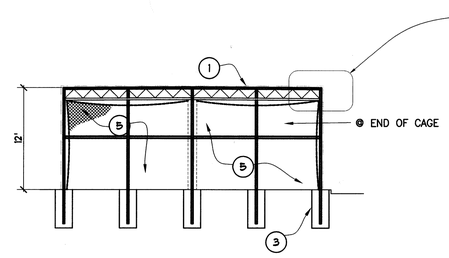
HANDICAP SYMBOL DETAIL
TYP PAVEMENT SYMBOL PER SEC. 3107(A)
NTS



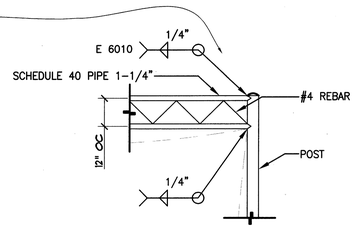
DETAIL NOTE:
1. DISABLED PARKING SIGN ON STEEL POST PER STATE STANDARDS. ONE SIGN AND POST PER SPACE. POST CENTERED IN FRONT OF EACH STALL. ALL DISABLED VAN PARKING STALLS WILL HAVE THE TEXT "VAN" PLACED BENEATH THE ACCESSIBILITY SYMBOL. SEE DETAIL 61 SHEET C-7.2.
2. 36" SQ. BLUE INTERNATIONAL SYMBOL OF ACCESSIBILITY (TYP). ALL VAN PARKING STALLS WILL HAVE THE TEXT "VAN" PLACED BENEATH THE ACCESSIBILITY SYMBOL.
3. 4" THICK BLUE LINES, PAINT ALL ACCESS AISLE STRIPING MINIMUM 12" HIGH "NO PARKING" LETTERS SHALL BE PAINTED IN WHITE ON THE GROUND WITHIN EACH ACCESS AISLE, PER CALDAG STANDARDS.

HANDICAP STRIPING DETAIL
BLUE HANDICAP STRIPING
NTS

(63) ADA PARKING
NTS

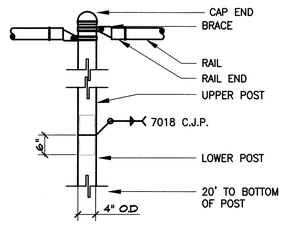


SECTION
NTS

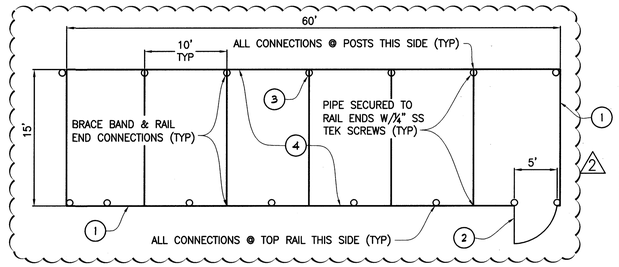


NOTE:
1. FULL WELD CONSTRUCTION ON ALL JOINTS.
2. ARCHITECT TO DETERMINE TRUSS DEPTH.
3. WELDS MUST BE MADE BY A CERTIFIED WELDER.

FENCING TRUSS
NTS



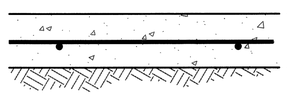
REQUIRED POST SPLICE
NTS



1. CHAIN LINK FENCE FABRIC. 2" .9 GAUGE FOR BOTTOM 10' PANEL TOP OF DUGOUT .11 GAUGE FOR TOP 10' PANEL
2. 5' WIDE PER GATE PER DETAIL 8 SHEET C- 7.1
3. CONCRETE FOOTINGS PER FENCE SCHEDULE SPECS
4. 4" PCC
5. #36, 1 3/4" MESH WEATHER TREATED NYLON CONSTRUCTION, WITH HEAVY DUTY POLY WEB ROPE LACED THROUGHOUT THE PERIMETER OF THE NET.

(5) BATTING CAGE
NTS

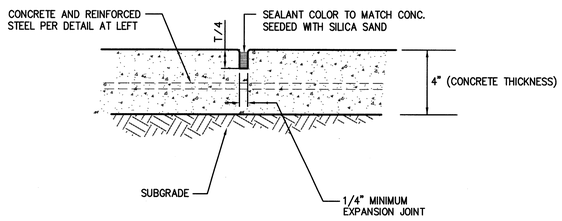
ADDITIVE BID ITEM #2



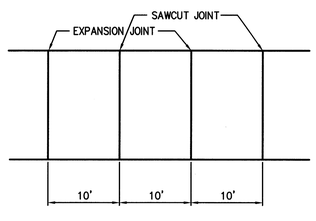
4" THICK, 2500 PSI, TYPE V PORTLAND CEMENT CONCRETE WITH #3 GRADE 60 REINF. STEEL @ 18" O.C.E.W. AT MID-DEPTH

COMPACT SUBGRADE TO A MINIMUM 90% RELATIVE COMPACTION BASED ON ASTM TEST METHOD D1557, TYP.

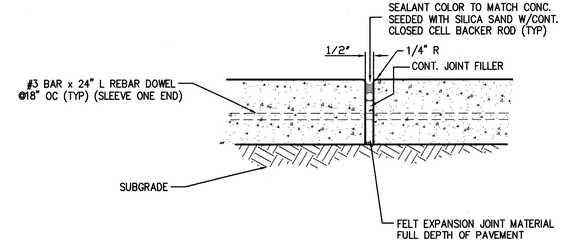
PCC PAVEMENT
NTS



SAWCUT JOINT
NTS



JOINT SPACING
NTS



EXPANSION JOINT
NTS

NOTES:
1. SAWCUT JOINTS SHALL BE MADE IMMEDIATELY AFTER FINISHING OPERATION AND PRIOR TO DRYING SHRINKAGE USING "EARLY ENTRY" SAW EQUIPMENT.
2. FINISHING OF SLAB CONCRETE SHALL BE DONE AFTER SURFACE BLEED WATER HAS EVAPORATED.
3. ANY CONCRETE STAINING THAT OCCURS DURING CURING SHALL BE APPROPRIATELY TREATED TO OBTAIN A COSMETICALLY ACCEPTABLE APPEARANCE.
4. ALL CONSTRUCTION AND CONTROL JOINTS AT AREAS SUBJECT TO THE PRESENCE OF WATER SHALL BE FULLY SEALED WITH A SUITABLE ELASTOMERIC SEALANT.
5. ANY CRACKS THAT FORM, AT AREAS SUBJECT TO THE PRESENCE OF WATER, SHALL BE FULLY AND APPROPRIATELY SEALED WITH AN ELASTOMERIC SEALANT. THIS SEALING SHALL BE DONE 90 DAYS AFTER SLAB IS PLACED.
6. THE CONCRETE SHALL BE PROTECTED FROM ANY DAMAGE BY CONSTRUCTION TRAFFIC OR ANY OTHER TYPE OF LOADING OR STAINING UNTIL THE FACILITY IS READY FOR OCCUPANCY.

(14) 4" THICK PCC
NTS

"AS-BUILT"

PROJECT TYPE		DRAWING PHASE SCHEDULE							
DSA SUBMITTAL	NON_DSA SUBMITTAL	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	50% CONSTRUCTION DOUMENTS	100% CONSTRUCTION DOUMENTS	DSA APPROVED	BIDDING	CONSTRUCTION
					4/16/08	7/3/08			

LOS ANGELES UNIFIED SCHOOL DISTRICT
DESIGN AND A/E
TECHNICAL SUPPORT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213) 241-4254
FAX: (213) 241-4199

PROJECT TITLE AND SCHOOL LOCATION

VERDUGO HILLS HIGH SCHOOL SOFTBALL FIELD RENOVATION
PIC # 23.07171
VERDUGO HILLS HIGH SCHOOL
10625 PLAINVIEW AVENUE
TUJUNGA, CA 91042

COMMISSIONED ENGINEER

PENCO ENGINEERING, INC.
CIVIL ENGINEER
ONE TECHNOLOGY PARK
BLDG. J-725
IRVINE, CA 92618
TEL: 949-753-8111
FAX: 949-753-0775

CONSULTANTS

TURPIN & RATTAN, INC.
ELECTRICAL ENGINEER
OLEA LANDSCAPE ARCH
LANDSCAPE ARCHITECT
P.A. ARCA ENGINEERING, INC.
SURVEYOR

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER — BRENT CHAMBERLAIN — No. 41889 — Exp. 3-31-10 — CIVIL — STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

2	AS-BUILT	11/27/09

SHEET TITLE:

DETAIL SHEET

PROJECT NO.:	23.07171	PROJECT ENG:	BWC
DRAWN:	AA	CHECKED:	ON

SHEET NUMBER

C-7.2

DATE: 7/3/08 SHEET: 8 OF: 15

"AS-BUILT" DIVISION

8914.30.000

FOR REFERENCE ONLY

GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO STATE ELECTRICAL CODES. CODES ENFORCED BY THE CITY OF LOS ANGELES AND DSA REQUIREMENTS. ALL ELECTRICAL MATERIAL AND EQUIPMENT SHALL BE UL LISTED.
2. MINIMUM WIRE SIZE FOR LINE VOLTAGE WIRING SHALL BE #12 AWG, 600 VOLT "THHW" OR "THHN" INSULATION, COPPER CONDUCTORS. WIRING FOR SIGNAL AND FIRE ALARM SYSTEMS SHALL BE AS NOTED ON THE DRAWINGS.
3. ALL CONDUIT SIZES SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE FOR CONDUIT FILL.
4. THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO CCR, TITLE 24, 2001 CBC SECTION 1632A AND TABLE 16A-O.
5. ALL CONDUIT, WIRE, DEVICES, AND BOXES ARE NEW UNLESS NOTED OTHERWISE.
6. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AT THE JOB SITE PRIOR TO SUBMITTING BID.
7. CONTRACTOR SHALL FURNISH AND INSTALL COMPLETE SYSTEMS AT THE SITE. THE SYSTEMS SHALL INCLUDE; ALL EQUIPMENT, CONDUIT CABLE, WIRE AND ALL NECESSARY ITEMS FOR THE SYSTEM TO BE OPERABLE.
8. PATCH ALL EXISTING WALLS AS NECESSARY. MATERIAL, WORKMANSHIP AND FINISH SHALL MATCH EXISTING.
9. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS WHICH ARE REQUIRED FOR THE ELECTRICAL WORK BY LEGALLY CONSTITUTED AUTHORITIES, AND SHALL DELIVER ALL CERTIFICATES TO THE DISTRICTS FACILITIES BRANCH BEFORE THE WORK IS STARTED.
10. ALL RUNS OF CONDUIT ONLY SHALL HAVE AN IDEAL CAT. #31-343 "POWER-FISH" PULL LINE INSTALLED.
11. THE DRAWINGS INDICATE THE ELECTRICAL WORK WHICH IS TO BE IN PLACE WHEN THE WORK IS COMPLETE.
12. NO CABLE SHALL BE INSTALLED PRIOR TO THE INSPECTION AND ACCEPTANCE OF A COMPLETED CONDUIT SYSTEM.
13. EXISTING CIRCUITS, CONDUIT RUNS AND OUTLET LOCATION HAVE BEEN DEVELOPED FROM THE BEST INFORMATION AVAILABLE TO THE DISTRICT AT THE TIME THE DRAWINGS WERE PREPARED. THE DISTRICT PROVIDES THIS ONLY AS A GENERAL GUIDELINE FOR THE CONVENIENCE OF BUILDERS/CONTRACTORS AND DOES NOT GUARANTEE OR WARRANT IN ANY WAY EXPRESSLY OR IMPLIED THE ACCURACY OF THESE REPRESENTATIONS. NOTHING IN THE DISCLAIMER AFFECTS THE CONTRACTORS RESPONSIBILITY TO PROVIDE ACCURATE "AS-BUILT" DRAWINGS AFTER THE COMPLETION OF THE CONTRACT.
14. THE TERM "PULL" USED ON THE DRAWINGS SHALL BE CONSIDERED TO MEAN "FURNISH, INSTALL AND CONNECT".
15. ALL EQUIPMENT SHALL BE LISTED BY AN APPROVED TESTING AGENCY PER SPECIFICATIONS.
16. ALL NEW CONDUITS INSTALLED UNDER THIS SECTION OF WORK SHALL BE 3/4 INCH MINIMUM SIZE.
17. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PATCH AND REPAIR ALL DAMAGE TO EXISTING FINISHES. THE AREAS OF WORK SHALL BE REPAIRED TO THE FINISH EXISTING PRIOR TO THE COMMENCEMENT OF WORK.
19. THE CONTRACTOR SHALL REPLACE ALL EXISTING DEVICES AND DEVICE COVER PLATES WITH NEW DEVICES AND PLATES. DEVICES AND PLATES SHALL COMPLY WITH THE SPECIFICATIONS.
20. CONTRACTOR SHALL INSTALL NEW BLANK PLATES ON ALL EXISTING FLUSH OUTLETS THAT ARE ABANDONED IN PLACE. CONTRACTOR SHALL VERIFY LOCATION OF ALL ABANDONED OUTLETS AND SHALL INSTALL NEW PLATES ON ALL – EVEN THOSE NOT INDICATED OR NOTED SPECIFICALLY ON THE DRAWINGS.
21. ALL NEW OUTLETS (FOR RECEPTACLES, SWITCHES, J-BOXES, ETC.) INSTALLED IN EXISTING WALLS SHALL BE "CUT-IN" TYPE BOXES WITH FLEXIBLE CONDUIT "FISHED" INTO WALL CAVITY FROM CEILING SPACE ABOVE. ON EXISTING MASONRY WALLS (OR OTHER INACCESSIBLE TYPE WALLS) NEW OUTLETS SHALL BE SURFACE RACEWAY TYPE WITH EXPOSED SURFACE RACEWAY (WIREMOLD) OF APPROPRIATE SIZE. OBTAIN ARCHITECTS APPROVAL FOR ALL SURFACE RACEWAY LOCATIONS.
22. PLUG ALL KNOCK-OUTS WHERE CONDUITS ARE REMOVED FROM EXISTING BOXES, PANELS, SWITCHBOARDS, ENCLOSURES, ETC.
23. PROVIDE CONCRETE MOUNTING PADS FOR ALL NEW FLOOR MOUNTED ELECTRICAL EQUIPMENT. REFER TO SPECIFICATIONS – SECTION 16400.
24. THE CONTRACTOR IS RESPONSIBLE FOR SEALING ALL FIRE RATED PENETRATIONS WHETHER INDICATED OR NOT.
25. IF THE CONTRACTOR BELIEVES THAT THERE ARE CONFLICTS WITHIN THESE ELECTRICAL DRAWINGS OR BETWEEN THE ELECTRICAL DRAWINGS AND THE SPECIFICATIONS, OR BETWEEN THE ELECTRICAL DRAWINGS AND ANY MECHANICAL, ARCHITECTURAL, PLUMBING OR STRUCTURAL DRAWING, BID THE MORE EXPENSIVE OR ELABORATE PROCESS OR PROCEDURE SHOWN AND CALL THE DISCREPANCY TO THE ARCHITECT'S ATTENTION. SHOULD THE DISTRICT, IN ITS DISCRETION, CHOOSE TO IMPLEMENT THE CHEAPER OR SIMPLER PROCEDURE AFTER BID OPENING, A CREDIT CHANGE ORDER WILL BE ISSUED TO THE CONTRACTOR.
26. INSTALL ALL CONDUIT BUSHINGS PRIOR TO INSTALLATION OF ANY CONDUCTORS, SEE NOTE #12.
27. THE CONTRACTOR SHALL CAREFULLY REVIEW THE SPECIFICATIONS AS THEY PERTAIN TO RIGID CONDUIT. THE SPECIFICATION REQUIREMENTS ARE VERY STRINGENT AND SUBSTANTIALLY EXCEED MINIMUM CODE REQUIREMENTS. NO DEVIATIONS WILL BE ALLOWED WHERE RIGID CONDUIT IS CALLED FOR.
28. UPON COMPLETION OF THE ELECTRICAL INSTALLATION, PATCH AND PAINT AS REQUIRED TO RESTORE WALLS AND SURFACES TO NEW CONDITION.
29. ALL EXPOSED CONDUIT, PULLBOXES, OUTLET BOXES, ETC. SHALL BE PAINTED TO MATCH SURROUNDING SURFACE. COORDINATE WITH ARCHITECT. REFER TO SPECIFICATION SECTION 09900.
30. THE CONTRACTOR SHALL COORDINATE THE LOCATION REQUIREMENTS OF ALL DATA, IC/PA, AND PHONE OUTLETS WITH THE ARCHITECT AND THE PROJECT MANAGEMENT STAFF.
31. ALL DEMOLITION SHALL COMPLY WITH CH. 34 CBC AND ARTICLE 87 CFC.

WORKMANSHIP NOTES

1. AESTHETICS ARE A VERY IMPORTANT COMPONENT OF THIS PROJECT. INSTALLATION OF ALL ELECTRICAL WORK SHALL BE OF THE HIGHEST QUALITY AND CRAFTSMANSHIP POSSIBLE.
2. THE ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT MANY OFFSETS, BENDS, SPECIAL FITTINGS AND EXACT LOCATIONS ARE NOT INDICATED. THE CONTRACTOR SHALL CAREFULLY STUDY THE DRAWINGS AND PREMISES IN ORDER TO DETERMINE THE BEST METHODS, EXACT LOCATIONS, ROUTES, OBSTRUCTIONS, ETC. WHICH AFFECT HIS INSTALLATION. REFER TO SPECIFICATION SECTION 16000 FOR ADDITIONAL REQUIREMENTS.
3. ALL NEW CONDUIT SHALL BE INSTALLED CONCEALED IN WALLS, CEILINGS OR UNDERGROUND; EXCEPT IN LOCATIONS PRE-APPROVED BY THE ARCHITECT.
4. DISTRICT'S APPROVAL SHALL BE OBTAINED FOR ANY AND ALL SURFACE MOUNTED/ EXPOSED RACEWAYS AND OUTLETS – EVEN THOSE INDICATED AS SURFACE MOUNTED/ EXPOSED ON THE DRAWINGS.
5. ANY EXPOSED CONDUITS/RACEWAYS THAT ARE ALLOWED SHALL BE INSTALLED IN LOCATIONS THAT ARE AS INCONSPICUOUS AS POSSIBLE, AND SHALL FOLLOW THE LINES OF THE STRUCTURE AS CLOSELY AS POSSIBLE. ALL EXPOSED CONDUITS, BOXES, ETC. SHALL BE PAINTED. REFER TO SPECIFICATION SECTION 09900.

EQUIPMENT ANCHORAGE NOTES

1. ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE BRACED OF ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA PER 2001 CBC, 1632A.2:

$$Fp = \frac{apCaIp}{1.4Rp}(1+3\frac{hx}{hr})Wp$$

WHERE:
- Fp = HORIZONTAL SEISMIC FORCE AT SERVICE LOAD LEVEL ($\frac{F}{1.4}$)
- ap = { 1.0 FOR RIGID EQUIPMENT; 2.5 FOR FLEXIBLE EQUIPMENT, INCLUDING EQUIP. ON VIBRATION ISOLATORS; 1.3 FOR EMERGENCY POWER EQUIPMENT }
- Ca = 0.57
- Ip = 1.15
- Rp = { 3.0 EXCEPT AS NOTED BELOW; 1.5 FOR SHALLOW ANCHORS AND EQUIP. ON VIBRATION ISOLATORS; 1.0 FOR ADHESIVE ANCHORS }
- hx = HEIGHT OF EQUIPMENT ATTACHMENT ABOVE GRADE
- hr = HEIGHT OF ROOF ABOVE GRADE
- Wp = WEIGHT OF EQUIPMENT

2. Fp SHALL NOT BE LESS THAN $\frac{0.7CaIpWp}{1.4}$ =1.15Ip, AND
   Fp NEED NOT EXCEED $\frac{4.0CaIpWp}{1.4}$ =1.15Ip
3. THE DESIGN FORCES FOR SHALLOW OR EXPANSION ANCHORS FOR EQUIPMENT ON VIBRATION ISOLATORS SHALL BE MULTIPLIED BY AN ADDITIONAL FACTOR OF 2.0.
4. FOR LOAD COMBINATIONS, SEE 2001 CBC, 1612A.3. WELDED, BOLTED, OR OTHER INTERMITTENT CONNECTIONS SUCH AS INSERTS SHALL NOT BE ALLOWED THE 1/3 STRESS INCREASE PERMITTED IN 2001 CBC, 1612.A.3.2.
5. ALL EQUIPMENT SHALL BE DESIGNED FOR A SIMULTANEOUS VERTICAL SEISMIC FORCE EQUAL TO Ev = 0.5 Colwp PER 1632A.2
6. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.

SYMBOL LIST

- ○ @ $ — FINE-LINED SYMBOL INDICATES EXISTING FIXTURE, OUTLET, DEVICE OR EQUIPMENT TO REMAIN.
- —EX— EXISTING CONDUIT TO BE REUSED.
- DUPLEX RECEPTACLE, GFI PROTECTION, MOUNTED AT +15" U.O.N.
- SURFACE MOUNTED PANELBOARD.
- PULL BOX WITH SCREW COVER, SIZE AS REQUIRED.
- CONDUIT CONCEALED UNDERFLOOR SLAB OR UNDERGROUND. – SEE (A / E-3.1) (B / E-3.1)
- CONDUIT INSTALLED EXPOSED.
- CONDUIT STUB-OUT TERMINATION.
- A-1,3 — HOMERUN TO INDICATED PANELBOARD ("A"). NUMBERS (1,3) INDICATE BRANCH CIRCUIT NUMBERS.
- 3/4"-3#8+1#10 EG — INDICATES 3/4" CONDUIT WITH 3 NUMBER 8 CONDUCTORS + 1 NUMBER 10 EQUIPMENT GROUND.
- 3/4" CONDUIT WITH 2#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
- 3/4" CONDUIT WITH 3#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
- 3/4" CONDUIT WITH 4#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
- 3/4" CONDUIT WITH 5#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
- 3/4" CONDUIT WITH 6#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
- #10 — A NUMBER ADJACENT TO THE HASH MARK IN ANY CONDUIT RUN INDICATES THE CONDUCTOR SIZE TO BE USED IN LIEU OF #12 AWG. CONDUIT AND EQUIPMENT GROUNDING CONDUCTOR SHALL BE SIZED PER NEC, U.O.N.
- (4) — ELECTRICAL NOTE REFERENCE
- (1 / E-6) — INDICATES DETAIL "1" ON SHEET E-6

ABBREVIATIONS

A, AMP	AMPERE
AC	ALTERNATING CURRENT
AF	AMPS FRAME, OR AMPS FUSE RATING
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AT	AMPS TRIP RATING
C	CONDUIT
CEC	CALIFORNIA ELECTRICAL CODE (TITLE 24).
C.O.	CONDUIT ONLY
CU	COPPER
EG	EQUIPMENT GROUND, OR EQUIPMENT GROUNDING CONDUCTOR.
ELEC	ELECTRICAL
EX	EXISTING
GFCI	GROUND-FAULT CIRCUIT INTERRUPTER
GFI	GROUND-FAULT INTERRUPTER
IR	INTERRUPTING RATING
Isc	AVAILABLE SHORT CIRCUIT CURRENT (SYMMETRICAL AMPS)
KA	1000 AMPS (kA)
KW	KILOWATT (kW)
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURE ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
S/N	SOLID NEUTRAL
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF
+48"	MOUNTING HEIGHT ABOVE FINISHED FLOOR

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2008

2007 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2007 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2006 INTERNATIONAL BUILDING CODE VOLUMES 1-3 AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2005 NATIONAL ELECTRIC CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
(2006 UNIFORM MECHANICAL CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2006 UNIFORM PLUMBING CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2004 ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS
2007 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2006 INTERNATIONAL FIRE CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS	2002 EDITION
NFPA 14	STANDPIPE SYSTEMS	2003 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2002 EDITION
NFPA 17a	WET CHEMICAL SYSTEMS	2002 EDITION
NFPA 20	STATIONARY PUMPS	2003 EDITION
NFPA 24	PRIVATE FIRE MAINS	2002 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) (SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	2002 EDITION
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2006 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2004 EDITION

REFERECE CODE SECTION FOR NFPA STANDARDS – 2007 CBC (SFM) CHAPTER 35

"AS-BUILT"

PROJECT TYPE		DRAWING PHASE SCHEDULE							
DSA SUBMITTAL	NON_DSA SUBMITTAL	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	50% CONSTRUCTION DOUMENTS	100% CONSTRUCTION DOUMENTS	DSA APPROVED	BIDDING	CONSTRUCTION
					4/16/08	7/3/08			

8914.30.000

LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT
DESIGN AND A/E TECHNICAL SUPPORT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213) 241-4254
FAX: (213) 241-4199

PROJECT TITLE AND SCHOOL LOCATION

VERDUGO HILLS HIGH SCHOOL SOFTBALL FIELD RENOVATION
PIC # 23.07171
VERDUGO HILLS HIGH SCHOOL
10625 PLAINVIEW AVENUE
TUJUNGA, CA 91042

COMMISSIONED ARCHITECT
PENCO ENGINEERING, INC.
CIVIL ENGINEER
ONE TECHNOLOGY PARK
BLDG. J-725
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TEL: 818-249-0444
FAX: 818-249-1467

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER — ARA YARTAZAR — No. E013086 EXP 6-30-10 — ELECTRICAL — STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

1	"AS-BUILT"	10/19/09
2		
3		
4		

SHEET TITLE:

SYMBOL LIST, NOTES

PROJECT NO.:	08029.00	PROJECT ARCH:	
DRAWN:	RK	CHECKED:	KK

SHEET NUMBER

E-1.1

DATE:	SHEET:	OF:
7/3/08	9	15

"JANUARY 2007 VERSION"

FOR REFERENCE ONLY

IRMA AVENUE

IRMA AVENUE

SUMMITROSE AVENUE

SUMMITROSE AVENUE

PLAINVIEW AVENUE

HILLROSE ST.

TENNIS COURT

HOME DUGOUT

HOME BULLPEN

VISITOR DUGOUT

VISITOR BULLPEN

BATTING CAGE

BATTING CAGE

AA-748
BLDG. #A07484

AA-259
BLDG. #0259AJ

AA-258
BLDG. #X0258AJ

SHOP TRADE BUILDING
BLDG. #0238AR

CLASSROOM BLDG. #3
BLDG. #019DAL

SANITARY BLDG.
BLDG. #022DAL

CLASSROOM BLDG. #2
BLDG. #010DAK

CLASSROOM BLDG. #1
BLDG. #009DAK

A-430
BLDG. #A043OJ

AA-93
BLDG. # X093AJ

A-654
BLDG. #A054W

A-655
BLDG. #A055W

A-656
BLDG. #A056W

AA-257
BLDG. # X0257J

MUSIC BLDG.
BLDG. #027DAN

A-660
BLDG. #A060OL

J-220
BLDG. #J022OM

CAFETERIA BLDG.
BLDG. # 004DAK

BUILDING

LUNCH PAVILION

BUILDING

GIRL'S PHYSICAL EDUCATION
BLDG. #008DAJ

CRAFT BLDG. #1
BLDG. #007DAJ

CRAFT B
BLDG. #

ADMINISTRATION & CLASSROOM BLDG.
BLDG. # 001BDL

BLDG. #022CBN

AUDITORIUM

SEE PARTIAL SITE PLAN ON SHEET E-2.2 FOR ADDITIONAL WORK IN THIS AREA.

SITE PLAN - ELECTRICAL

SCALE: 1"=40'-0"

NORTH

"AS-BUILT"

PROJECT TYPE		DRAWING PHASE SCHEDULE							
DSA SUBMITTAL	NON_DSA SUBMITTAL	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	50% CONSTRUCTION DOUMENTS	100% CONSTRUCTION DOUMENTS	DSA APPROVED	BIDDING	CONSTRUCTION
					4/16/08	7/3/08			

8914.30.000

JANUARY 2007 VERSION

LOS ANGELES UNIFIED SCHOOL DISTRICT
DESIGN AND A/E TECHNICAL SUPPORT
FACILITIES SERVICES DIVISION
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LOS ANGELES, CALIFORNIA 90017
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FAX: 818-249-1467

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER
ARA YARTAYAN
No. ED13986
EXP 6-30-10
ELECTRICAL
STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

1	"AS-BUILT"	10/19/09
2		
3		
4		

SHEET TITLE:

SITE PLAN - ELECTRICAL

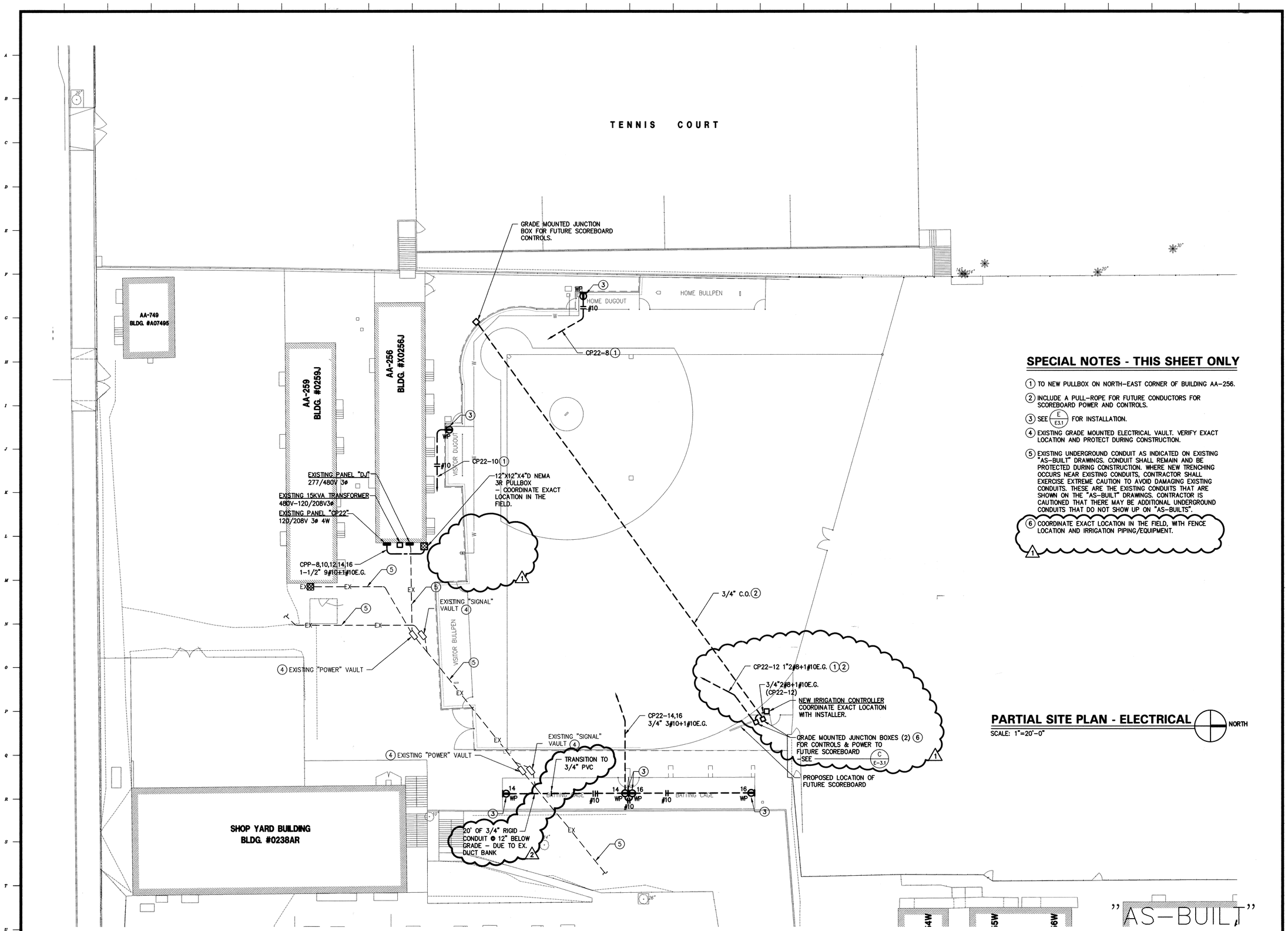
PROJECT NO.:	08029.00	PROJECT ARCH:	
DRAWN:	RK	CHECKED:	KK

SHEET NUMBER

E-2.1

DATE: 7/3/08 SHEET: 10 OF: 15

FOR REFERENCE ONLY



SPECIAL NOTES - THIS SHEET ONLY

1. TO NEW PULLBOX ON NORTH-EAST CORNER OF BUILDING AA-256.
2. INCLUDE A PULL-ROPE FOR FUTURE CONDUCTORS FOR SCOREBOARD POWER AND CONTROLS.
3. SEE (E / E3.1) FOR INSTALLATION.
4. EXISTING GRADE MOUNTED ELECTRICAL VAULT. VERIFY EXACT LOCATION AND PROTECT DURING CONSTRUCTION.
5. EXISTING UNDERGROUND CONDUIT AS INDICATED ON EXISTING "AS-BUILT" DRAWINGS. CONDUIT SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION. WHERE NEW TRENCHING OCCURS NEAR EXISTING CONDUITS, CONTRACTOR SHALL EXERCISE EXTREME CAUTION TO AVOID DAMAGING EXISTING CONDUITS. THESE ARE THE EXISTING CONDUITS THAT ARE SHOWN ON THE "AS-BUILT" DRAWINGS. CONTRACTOR IS CAUTIONED THAT THERE MAY BE ADDITIONAL UNDERGROUND CONDUITS THAT DO NOT SHOW UP ON "AS-BUILTS".
6. COORDINATE EXACT LOCATION IN THE FIELD, WITH FENCE LOCATION AND IRRIGATION PIPING/EQUIPMENT.

PARTIAL SITE PLAN - ELECTRICAL

SCALE: 1"=20'-0"

NORTH

PROJECT TYPE		DRAWING PHASE SCHEDULE							
DSA SUBMITTAL	NON_DSA SUBMITTAL	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	50% CONSTRUCTION DOUMENTS	100% CONSTRUCTION DOUMENTS	DSA APPROVED	BIDDING	CONSTRUCTION
					4/16/08	7/3/08			

8914.30.000

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PROJECT TITLE AND SCHOOL LOCATION

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PIC # 23.07171
VERDUGO HILLS HIGH SCHOOL
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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER – ARA TARTANIAN – No. E013086 EXP 6-30-10 – ELECTRICAL – STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

1	RELOCATE OUTFIELD FENCE	2/13/09
2	"AS-BUILT"	10/19/09

SHEET TITLE:

PARTIAL SITE PLAN - ELECTRICAL

PROJECT NO.:	08029.00	PROJECT ARCH:	
DRAWN:	RK	CHECKED:	KK

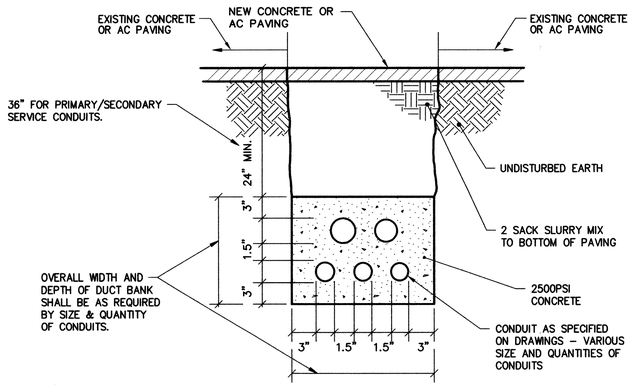
SHEET NUMBER

E-2.2

DATE: 7/3/08 SHEET: 11 OF: 15

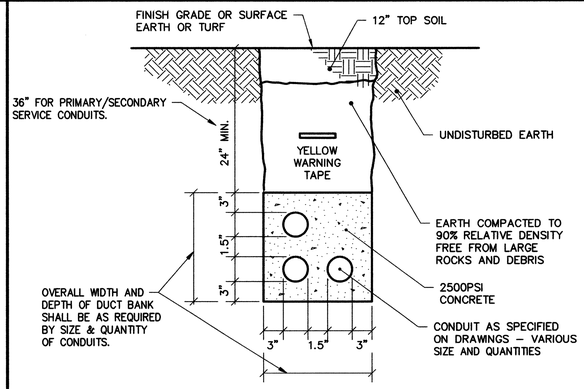
'JANUARY 2007 VERSION'

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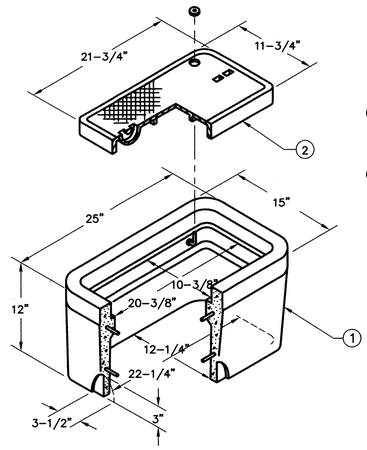
UNDERGROUND CONDUIT DETAIL AT PAVED AREAS (A, E-3.1)

NO SCALE



UNDERGROUND CONDUIT DETAIL AT UNPAVED AREAS (B, E-3.1)

NO SCALE



1. REINFORCED PRECAST GRADE MOUNTED JUNCTION BOX. PROVIDE WITH OPEN BOTTOM.
2. CAST IRON TRAFFIC COVER SHALL INSTALL FLUSH IN TOP OF GRADE JUNCTION BOX. FURNISH TOP OF COVER WITH CHECKERED SURFACE, LIFTING SLOTS AND RECESSED HOLD DOWN TAMPER PROOF NUTS. BOTTOM OF COVER SHALL BE FURNISHED WITH INTEGRAL CAST REINFORCING RIBS.

TYPICAL GRADE MOUNTED JUNCTION BOX (C, E-3.1)

NO SCALE

INSTALLATION AND LOCATIONS:

LOCATION POINTS FOR UTILITY IDENTIFICATION MARKERS WILL BE SET AS FOLLOWS:

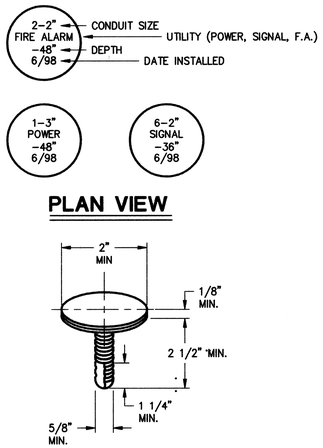
1. WHERE AN UNDERGROUND CONDUIT IS STUBBED OUT FOR FUTURE EXTENSION.
2. MARKER SHALL BE SET DIRECTLY OVER END OF CONDUIT STUB OUT.
3. SET TOP FLUSH WITH GROUND OR ASPHALT/CONCRETE PAVED SURFACE, IN VERTICAL POSITION, IN CONCRETE BASE NOT LESS THAN SIX INCHES IN DIAMETER BY TWELVE INCHES DEEP; ON CONCRETE SLABS CORE AND SET FLUSH IN GROUT.

MARKING: PRIOR TO INSTALLATION, UTILITY MARKERS WILL BE STEEL–STAMPED WITH 1/4 INCH LETTERS SIMILAR TO PLAN VIEW.

MARKER DESCRIPTION:

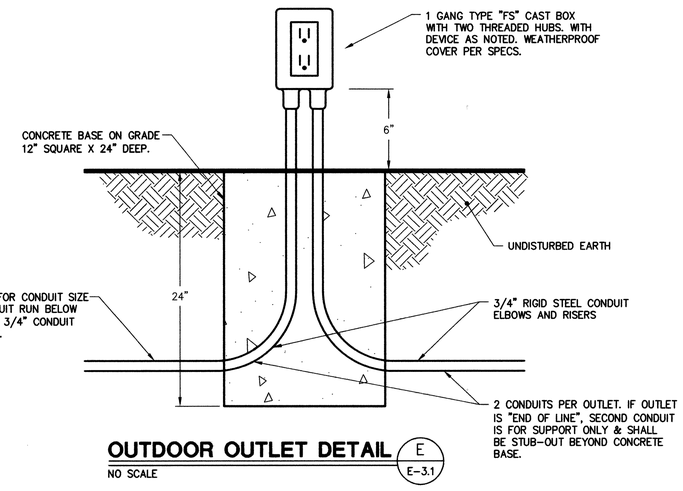
THE MARKER SHALL BE OF CAST BRONZE IN ONE PIECE AND FREE OF IMPERFECTIONS, SUBSTANTIALLY AS ILLUSTRATED.

THE SHANK WILL BE CORRUGATED AND FLATTENED TO PREVENT THE MONUMENT'S ROTATION OR REMOVAL ONCE IT HAS BEEN SET IN CONCRETE.



BRONZE UTILITY MARKER (D, E-3.1)

NO SCALE



OUTDOOR OUTLET DETAIL (E, E-3.1)

NO SCALE

MOUNTING: SURFACE
ENTER CABINET AT: EXISTING
VOLTAGE: 120/208V 3ø

EXISTING PANEL "CP22"

MAIN: 50A 3P
TYPE: BREAKER
BUSSING: 100A

LOCATION	VOLT–AMPERES øA	VOLT–AMPERES øB	VOLT–AMPERES øC	LTG	REC	MIS	BKR. AMP	BKR. POLE	ABC	BKR. AMP	BKR. POLE	MIS	REC	LTG	VOLT–AMPERES øA	VOLT–AMPERES øB	VOLT–AMPERES øC	LOCATION
CLASSROOM #39	1000			–	–	–	20	1	1 2	20	1	–	–	–	1000			CLASSROOM #38
CLASSROOM #39		1000		–	–	–	20	1	3 4	20	1	–	–	–		1000		CLASSROOM #38
CLASSROOM #39			1000	–	–	–	20	1	5 6	20	1	–	–	–			1000	CLASSROOM #38
IDF–9 (EXIST)	1000			–	–	–	20	1	7 8	20	1	–	–	–	500			HOME TEAM DUGOUT
SPARE (EXIST)		–		–	–	–	20	1	9 10	20	1	–	1	–		500		VISITOR TEAM DUGOUT
SPARE (EXIST)			–	–	–	–	20	1	11 12	20	1	–	1	–			500	IRRIGATION CONTROLLER
SPACE	–			–	–	–	–	–	13 14	20	1	–	2	–	360			HOME TEAM BATTING CAGE
		–		–	–	–	–	–	15 16	20	1	–	2	–		360		VISITOR TEAM BATTING CAGE
			–	–	–	–	–	–	17 18	–	–	–	–	–			–	SPACE
–	–			–	–	–	–	–	19 20	–	–	–	–	–	–			–
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–		–		–	–	–	–	–	39 40	–	–	–	–	–		–		–
–			–	–	–	–	–	–	41 42	–	–	–	–	–			–	–
SUBTOTAL	2000	1000	1000												1860	1860	1500	SUBTOTAL
TOTAL VOLT–AMPERES/PHASE			øA= 3,860 VA													øB= 2,860 VA		øC= 2,500 VA
TOTAL PANEL VOLT–AMPERES:		9,220 VA		+ LCL		0		VA=			9,220 VA					AMPS=		25.6A @ 120/208V 3ø

• INSTALL A 20–A, 1–POLE CIRCUIT BREAKER IN EXISTING SPACE AND CONNECT TO NEW LOAD. CIRCUIT BREAKER SHALL MATCH EXISTING BREAKERS.

"AS–BUILT"

PROJECT TYPE		DRAWING PHASE SCHEDULE							
DSA SUBMITTAL	NON_DSA SUBMITTAL	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	50% CONSTRUCTION DOUMENTS	100% CONSTRUCTION DOUMENTS	DSA APPROVED	BIDDING	CONSTRUCTION
					4/16/08	7/3/08			

LOS ANGELES UNIFIED SCHOOL DISTRICT
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PROJECT TITLE AND SCHOOL LOCATION

VERDUGO HILLS HIGH SCHOOL SOFTBALL FIELD RENOVATION
PIC # 23.07171
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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER — ARA VARTANIANS — No. E013086 EXP. 6–30–10 — ELECTRICAL — STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

1	"AS–BUILT"	10/19/09
2		
3		
4		

SHEET TITLE:

ELECTRICAL DETAILS

PROJECT NO.:	08029.00	PROJECT ARCH:	
DRAWN:	RK	CHECKED:	KK

SHEET NUMBER

E-3.1

DATE: 7/3/08 SHEET: 12 OF: 15

'JANUARY 2007 VERSION'

8914.30.000

FOR REFERENCE ONLY

IRRIGATION NOTES

1. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE.
2. SET ALL VALVES AND QUICK COUPLERS NEXT TO WALKS OR PAVED SURFACES.
3. ALL SPRINKLER HEADS ARE TO HAVE TRIPLE SWING JOINTS (EXCEPT WHERE NOTED ON PLANS).
4. PIPE SIZES SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. NO SUBSTITUTIONS OF SMALLER PIPE SIZES SHALL BE PERMITTED, BUT SUBSTITUTIONS OF LARGER SIZES MAY BE APPROVED. ALL DAMAGED AND REJECTED PIPE SHALL BE REMOVED FROM THE SITE AT THE TIME OF THE SAID REJECTION.
5. FINAL LOCATION OF THE AUTOMATIC CONTROLLER SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT AND OWNER.
6. 120VAC ELECTRICAL POWER SOURCE AT CONTROLLER LOCATION SHALL BE PROVIDED BY OTHERS.
7. BEFORE COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT I.D. NUMBER BY CALLING 1-800-422-4133. TWO (2) WORKING DAYS SHALL BE ALLOWED AFTER THE I.D.NUMBER IS OBTAINED AND BEFORE THE EXCAVATION WORK IS STARTED SO THAT UTILITY OWNERS CAN BE NOTIFIED.
8. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE UNLESS OTHERWISE SPECIFIED.
9. THE CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS AND VALVES FOR OPTIMUM COVERAGE WITH MINIMAL OVER SPRAY ONTO WALKS, STREETS, ETC.
10. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH THE GRADE DIFFERENCES, LOCATION OF WALLS, AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY HIS WORK. HE SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES AND LATERALS UNDER ROADWAYS AND PAVING, ETC.
11. THE IRRIGATION SYSTEM DESIGN IS BASED ON A MIN. OPERATING PRESSURE OF 75 PSI AT THE WATER METER AND A MAX. FLOW DEMAND OF 67 G.P.M. THE CONTRACTOR SHALL VERIFY WATER PRESSURES PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE ARCHITECT.
12. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT THERE ARE UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES IN THE AREA. DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IF THIS NOTIFICATION IS NOT GIVEN, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
13. ALL SPRINKLER EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
14. THE INTENT OF THE CONTRACTOR IS TO PROVIDE 100% COVERAGE TO ALL PLANTING AREAS. AS PART OF THE SCOPE OF WORK, PROVIDE ANY ADDITIONAL HEADS, SPECIAL NOZZLES, OR PATTERNS TO ACHIEVE PROPER COVERAGE WITH A MINIMUM OF OVER SPRAY AT NO ADDITIONAL COST TO THE OWNER.
15. INSTALLATION FOR THE CONTROL WIRES SHALL FOLLOW MAINLINE ROUTING.
16. IF SLEEVES ARE NECESSARY, USE 2X DIAMETER OF PIPE BEING SLEEVED. ALL SLEEVES TO BE SCH.40 P.V.C.
17. LOCATE VALVE CHART IN CONTROLLER – REDUCE AND ENCASE IN PLASTIC (AS BUILT).
18. GUARANTEE: THE INSTALLED SPRINKLER SYSTEM SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE OF THE WORK. SHOULD ANY TROUBLE DEVELOP WITHIN THE TIME SPECIFIED DUE TO INFERIOR OR FAULTY MATERIAL OR WORKMANSHIP, THE TROUBLE SHALL BE CORRECTED BY THE CONTRACTOR WITHOUT EXPENSE TO THE OWNER.
19. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING THIS SECTION OF WORK.

IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION
⊕	2" SUPERIOR 3300 NORMALLY OPEN BRASS MASTER CONTROL VALVE. (PART OF 'JDL:GT' CONTROLLER SPECIFICATION)
■	2" DATA INDUSTRIAL BRASS FLOW SENSOR. (PART OF 'JDL:GT' CONTROLLER SPECIFICATION)
⋈	WATTS 406-NRS-RW GATE VALVE. LINE SIZE 2.5" AND LARGER.
◒	RAINBIRD 44LRC QUICK COUPLER VALVE WITH LOCKING RUBBER COVER.
◒	SUPERIOR 950 REMOTE CONTROL VALVE. SIZE PER PLAN.
▭	RAIN MASTER DX (NON-CENTRAL)-12 STATION CONTROLLER IN A 16" TOP ENTRY ENCLOSURE ASSEMBLED BY JOHN DEERE LANDSCAPE: GREEN TECH DIVISION. MODEL: CA6-RM2-12/LPP/PMR/T/RSE-DX/EMP16/FSAV-200B QUOTE: 2008070107-634-A * Primary Line Protection (Recommended option) * RainMaster Remote Assembly (PMR) * DX Transient Protection * Rain Sensor (Enclosure Mount) * Flow Board & Flow Sensor * RM 2" Brass Flow Sensor * Superior N/O Master Valve * 2" Master Valve * Enclosure Mounting Pad
△ X	CONTROLLER LETTER.
X / Y Z	VALVE CALL-OUT. X: VALVE STATION Y:VALVE SIZE Z:FLOW(GPM).
———	WHITE SCHEDULE 40 PVC LATERAL LINE. BURY 12"
—— — ——	WHITE SCHEDULE 40 PVC PRESSURE MAINLINE. BURY 18"

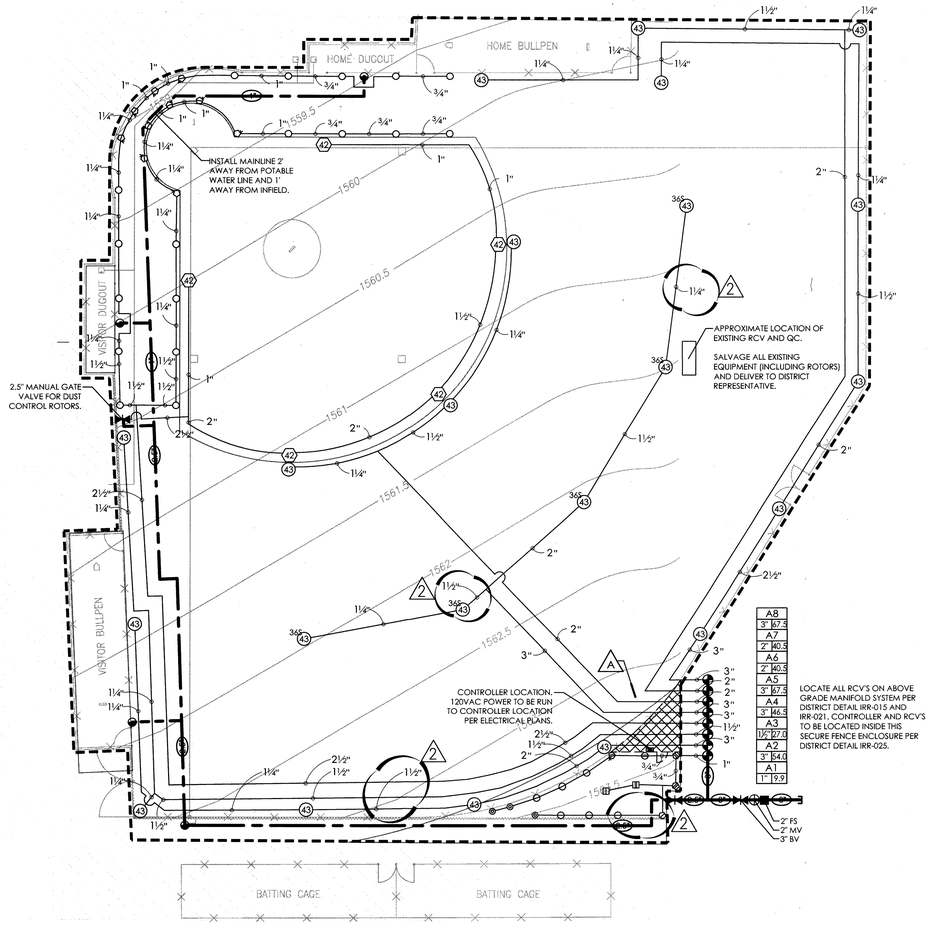
NOTE: TRENCHES SHALL BE FLAT AT BOTTOM WITH NO ROCK OR DEBRIS. ALL LINES TO BE SHADED WITH 4" (101.6mm) OF CLEAN SAND.

IRRIGATION - RAINBIRD 1800 SPRAY HEAD LEGEND

SYMBOL	MODEL	RADIUS	PATTERN	FLOW (GPM)	PRESSURE (PSI)	PRECIP. (IN/HR)
◎	RAINBIRD 1806 - SAM-PRS	5'	HALF	0.20	30	1.58
⊖	RAINBIRD 1806 - SAM-PRS	8'	QTR.	0.25	30	1.58
⊖	RAINBIRD 1806 - SAM-PRS	8'	HALF	0.52	30	1.58
⊟	RAINBIRD 1806 - SAM-PRS	8'	FULL	1.04	30	1.58
⊖	RAINBIRD 1806 - SAM-PRS	8'	VAR.	0.52	30	1.58
⊜	RAINBIRD 1806 - SAM-PRS	10'	QTR.	0.40	30	1.58
⊜	RAINBIRD 1806 - SAM-PRS	10'	HALF	0.80	30	1.58
⊟	RAINBIRD 1806 - SAM-PRS	10'	FULL	1.60	30	1.58
⊖	RAINBIRD 1806 - SAM-PRS	10'	VAR.	0.80	30	1.58
○	RAINBIRD 1806 - SAM-PRS	15'	HALF	1.85	30	1.58
⊖	RAINBIRD 1806 - SAM-PRS	15'	VAR.	1.85	30	1.58

IRRIGATION - HUNTER I-40 ROTOR HEAD LEGEND

SYMBOL	MANUFACTURER/MODEL	NOZZLE	ARC	PSI	GPM	RADIUS
365 (43)	HUNTER/I-40-6P - 365 - 43	43	360	50	13.5	56'
(43)	HUNTER/I-40-6P - ADS - 43	43	ADJ	50	13.5	56'
(42)	HUNTER/I-42-6P - ADS - 42	42	ADJ	50	11.0	51'



CONTROLLER TIMING CHART
Verdugo Hill HS Softball Field - Controller 'A'

Turf Root Depth	4"
Shrub Root Depth	6"
Depletion Factor	30%

Soil Type	Clay Loam
Field Capacity	27%
Will Point	13%

Irrigation Cycles Per Week

Turf			
Winter	Spring	Summer	Fall
2	5	7	5
Shrub			
Winter	Spring	Summer	Fall
2	4	5	4

Station #	Planting	Irrigation Type	Kc	PR	IE	MC	MC Adj	Winter	Spring	Summer	Fall
1	Turf	Spray	Var.	1.45	0.60	Sun	100%	12	12	12	12
2	Turf	Rotor	Var.	0.80	0.70	Sun	100%	18	18	18	18
3	Turf	Rotor	Var.	1.55	0.70	Sun	100%	9	9	9	9
4	Turf	Spray	Var.	1.55	0.60	Sun	100%	11	11	11	11
5	Turf	Rotor	Var.	0.42	0.70	Sun	100%	34	34	34	34
6	Turf	Rotor	Var.	0.84	0.70	Sun	100%	17	17	17	17
7	Turf	Rotor	Var.	1.57	0.70	Sun	100%	9	9	9	9
8	Turf	Rotor	Var.	0.83	0.70	Sun	100%	17	17	17	17
9											
10											
11											
12											

THIS SCHEDULE IS BASED ON MONTHLY AVERAGE ET RATES FOR THIS AREA AND DOES NOT ACCOMMODATE ALL MICRO-CLIMATES AND/OR SOIL CONDITIONS.

Pressure Calulation

Meter No:	Existing
HGL:	1770 FT
Elevation of Meter:	1595 FT
Static Pressure:	75.78 psi
Controller Letter:	A
Valve No:	A8
Valve Demand:	68 GPM
Elevation of Highest Head:	1563 FT
Losses	
Water Meter	2.00 psi
Backflow	12.00 psi
Basket Strainer	0.50 psi
Master Valve	3.00 psi
Mainline	8.00 psi
R.C.V.	3.00 psi
Lateral Line	2.00 psi
Elevation Change	-13.86 psi
Total Loss:	16.64 psi
Head Operating Pressure:	50.00 psi
Pressure Required:	66.64 psi
Pressure Available:	75.78 psi
Residual Pressure Available:	9.13 psi

IRRIGATION DESIGN CRITERIA
WATER INFORMATION

DISTRICT/PROVIDER:	LADWP
METER LOCATION:	Plainview Avenue
PRESSURE GIVEN BY:	Salmnan Sufi
PRESSURE GIVEN DATE:	07-01-08
PHONE NUMBER:	(213) 367-2130
PRESSURE ELEV. (HGL):	1770'
METER ELEVATION:	1595'
PRESSURE (MIN):	56PSI
PRESSURE (MAX):	86PSI

Assembly Bill 325 (AB-325)

		Hydrozone 1 Turf Rotors	Hydrozone 2 Turf Spray
Eto	(Potential Evapotranspiration)	51.81	
Kc	(Crop Coefficient)	0.80	0.80
HA	(Hydrozone Area - Sq Ft)	28,598	3,543
IE	(Irrigation Efficiency)	0.75	0.65
EWU	(Estimated Water Use - Gal / Year)	979,873	140,073
EWU	(Estimated Water Use - Ac Ft / Year))	3.01	0.43
TWU	(Total Water Use - Gal / Year)	1,119,945	
TWU	(Total Water Use - Ac Ft / Year)	3.44	
MAWA	(Maximum Applied Water Allowance - Gal / Year)	825,952	
MAWA	(Maximum Applied Water Allowance - Ac Ft / Year)	2.53	

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0 10 20 40
1" = 20'

"AS-BUILT"

PROJECT TYPE	DRAWING PHASE SCHEDULE								
DSA SUBMITTAL	NON_DSA SUBMITTAL	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	50% CONSTRUCTION DOUMENTS	100% CONSTRUCTION DOUMENTS	DSA APPROVED	BIDDING	CONSTRUCTION
					4/16/08	7/3/08			

LOS ANGELES UNIFIED SCHOOL DISTRICT
DESIGN AND A/E TECHNICAL SUPPORT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213) 241-4254
FAX: (213) 241-4199

PROJECT TITLE AND SCHOOL LOCATION
VERDUGO HILLS HIGH SCHOOL SOFTBALL FIELD RENOVATION
PIC # 23.07171
VERDUGO HILLS HIGH SCHOOL
10625 PLAINVIEW AVENUE
TUJUNGA, CA 91042

COMMISSIONED ARCHITECT
PENCO ENGINEERING, INC.
CIVIL ENGINEER
ONE TECHNOLOGY PARK
BLDG. J-725
IRVINE, CA 92618
TEL: 949-753-8111
FAX: 949-753-0775

CONSULTANT
OLEA
LANDSCAPE ARCHITECTURE
812 FREMONT AVE, SUITE 301
SOUTH PASADENA, CA 91030
TEL: 626-799-2750
FAX: 626-799-2411

STAMPS/SEALS

LICENSED LANDSCAPE ARCHITECT — ANDREW F. ADKOFF NO.3692 — Signature — 3/31/09 Renewal Date — Date — STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

2	AS-BUILT	11/27/09

SHEET TITLE:
IRRIGATION PLAN

PROJECT NO.:	23.07171	PROJECT ARCH:	KFA
DRAWN:		CHECKED:	RMG

SHEET NUMBER
L-1.1

DATE: 7/3/08 SHEET: 13 OF: 15

'JANUARY 2007 VERSION'

8914.30.000

FOR REFERENCE ONLY

DEMO TREES AND ALL WEEDS AND PLANT MATERIAL IN 4 EXISTING TREEWELLS
STUMP GRIND TO MIN. 12" BELOW FINISH GRADE
REMOVE FROM SITE ALL DEBRIS AND
DISPOSE OF AT A LEGAL DUMP

VERIFY EXACT LOCATION OF TREES IN FIELD
NOTIFY DISTRICT REPRESENTATIVE PRIOR TO
DEMOLITION AND REMOVAL

REFER TO CIVILS DRAWINGS FOR ADDITIONAL DEMOLITION NOTES

CONTRACTOR TO REPAIR AND REPLACE ANY DAMAGED
TURF FROM EXISTING FIELDS DUE TO CONSTRUCTION
WITH NEW SOD - SEE SPECIFICATIONS FOR PROPER INSTALLATION
VERIFY TYPE OF TURF TO BE REPLACED AND REPLACE WITH SAME
FIELD SOD TO BE HYBRID BERMUDA, INFIELD SOD TO BE FESCUE - MARATHON II OR EQUAL

PLANTING NOTES

1. DRAWING IS DIAGRAMMATIC: CONTRACTOR TO VERIFY ALL LOCATIONS AND CONDITIONS ON SITE. VERIFY EXACT SQUARE FOOTAGES OF SODS AND DECOMPOSED GRANITE BEFORE BIDDING.
2. CONTRACTOR TO INSPECT ALL EXISTING CONDITIONS ON SITE AND LOCATE ALL EXISTING UTILITIES BEFORE CONSTRUCTION BEGINS.
3. CONTRACTOR TO REPAIR AT HIS OWN EXPENSE ALL PROPERTY DAMAGE WHICH OCCURS DURING PROJECT INSTALLATION. – SEE SPECIFIC NOTES FOR DAMAGE TO EXISTING FIELDS – THIS SHEET.
4. ALL EXISTING PLANT MATERIAL TO BE REMOVED EXCEPT WHERE NOTED ON PLAN.
5. SEE SODDING SPECIFICATIONS FOR SOIL AMENDMENTS AND INSTALLATION.
6. CONTRACTOR TO INSTALL AND MAINTAIN LANDSCAPE PLANTING IN ACCORDANCE WITH THE DISTRICT'S GUIDELINES AND SPECIFICATIONS UNLESS NOTED OTHERWISE IN THESE NOTES OR ON THE PLANS.

KEY	BOTANICAL NAME/COMMON NAME	SIZE	REMARKS
LAWN 1	HYBRID BERMUDA GRASS GN-1 PER LAUSD GUIDELINES FOR OUTFIELD	SODDED	REFER TO PLANTING SPECIFICATION 02900 FOR INSTALLATION
LAWN 2	FESCUE –MARATHON II OR EQUAL PER LAUSD GUIDELINES FOR BACKSTOP AREAS	SODDED	REFER TO PLANTING SPECIFICATION 02900 FOR INSTALLATION
DG	STABILIZED DECOMPOSED GRANITE INFIELD PER DISTRICT STANDARDS		REFER TO SPECIFICATION 02260 FOR INSTALLATION

"AS-BUILT"

PROJECT TYPE	DRAWING PHASE SCHEDULE								
DSA SUBMITTAL	NON_DSA SUBMITTAL	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	50% CONSTRUCTION DOUMENTS	100% CONSTRUCTION DOUMENTS	DSA APPROVED	BIDDING	CONSTRUCTION
					4/16/08	7/3/08			

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PROJECT TITLE AND SCHOOL LOCATION

VERDUGO HILLS HIGH SCHOOL SOFTBALL FIELD RENOVATION
PIC # 23.07171
VERDUGO HILLS HIGH SCHOOL
10625 PLAINVIEW AVENUE
TUJUNGA, CA 91042

COMMISSIONED ARCHITECT
PENCO ENGINEERING, INC.
CIVIL ENGINEER
ONE TECHNOLOGY PARK
BLDG. J-725
IRVINE, CA 92618
TEL: 949-753-8111
FAX: 949-753-0775

CONSULTANT
(CONSULTANT-LINE 1)
(CONSULTANT-LINE 2)
(ADDRESS – LINE 1)
(ADDRESS – LINE 2)
(ADDRESS – LINE 3)
(TEL: # LINE – 4)
(FAX: # LINE – 5)

STAMPS/SEALS

LICENSED LANDSCAPE ARCHITECT
AMIR F. ADNOFF NO. 3983
Signature
3/31/09
Renewal Date
Date
STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

1	RELOCATE OUTFIELD FENCE	2/13/09
2	AS-BUILT	11/27/09

SHEET TITLE:

PLANTING PLAN

PROJECT NO.:	23.07171	PROJECT ARCH:	KFA
DRAWN:	KFA	CHECKED:	BC

SHEET NUMBER

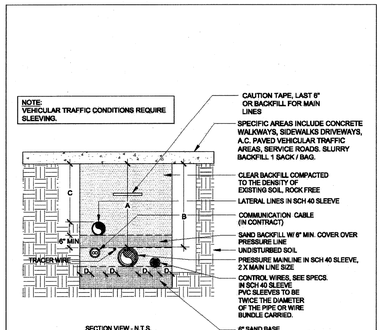
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DATE: 7/03/08 SHEET: 14 OF: 15

"JANUARY 2007 VERSION"

8914.30.000

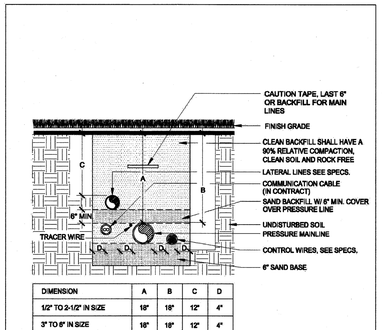
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SECTION VIEW - N.T.S.

DIMENSION	A	B	C	D
1/2" TO 4" IN SIZE	18"	18"	12"	4"

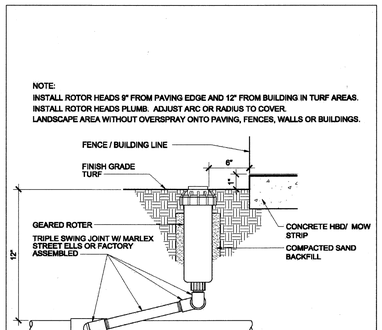
LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
IRRIGATION DETAILS
TRENCH DETAIL (PAVED & SPECIFIC AREAS)
DRAWING No. IRR-010
DATE: OCTOBER 10, 2008



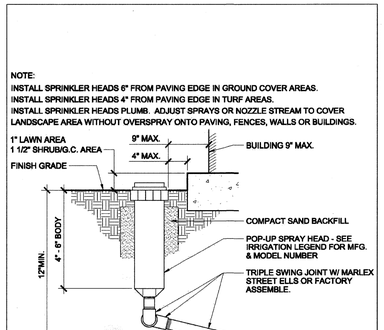
DIMENSION	A	B	C	D
1/2" TO 2-1/2" IN SIZE	18"	18"	12"	4"
3" TO 8" IN SIZE	18"	18"	12"	4"

SECTION VIEW - N.T.S.

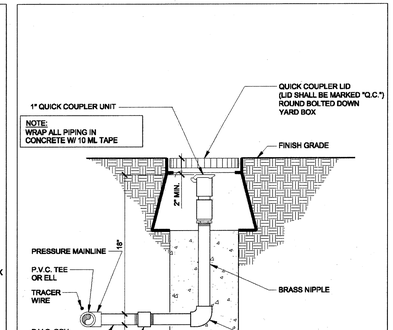
LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
IRRIGATION DETAILS
TRENCH DETAIL (PLANTED AREAS)
DRAWING No. IRR-009
DATE: OCTOBER 10, 2008



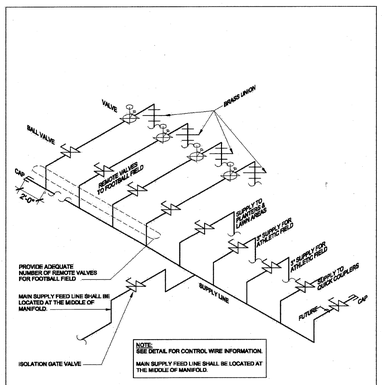
LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
IRRIGATION DETAILS
ROTOR DETAIL
DRAWING No. IRR-007
DATE: OCTOBER 10, 2008



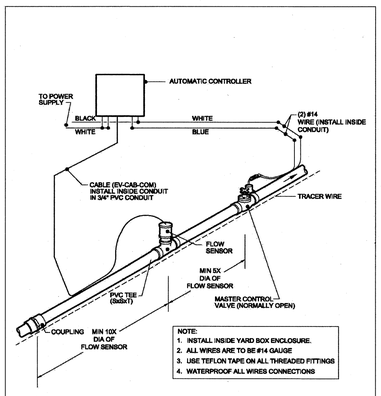
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FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
IRRIGATION DETAILS
POP-UP SPRAY DETAIL
DRAWING No. IRR-005
DATE: OCTOBER 10, 2008



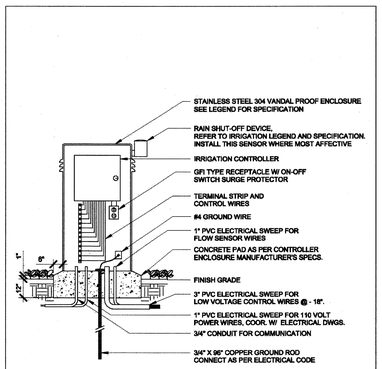
LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
IRRIGATION DETAILS
QUICK COUPLER IN 8" ROUND BOLTED YARD BOX (TYP. FOR P/TCHERS MOUND)
DRAWING No. IRR-002
DATE: OCTOBER 10, 2008



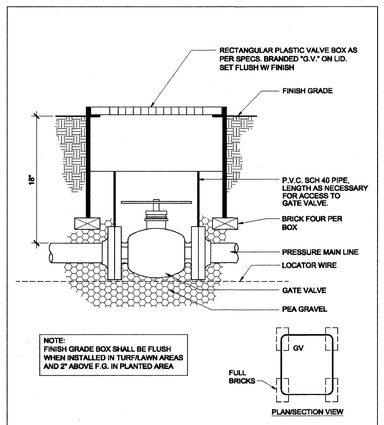
LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
IRRIGATION DETAILS
TYPICAL REMOTE CONTROL MANIFOLD (ABOVE GROUND)
DRAWING No. IRR-020
DATE: OCTOBER 10, 2008



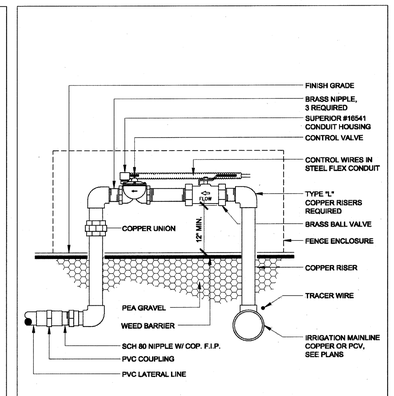
LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
IRRIGATION DETAILS
TYP. MASTER CONTROL VALVE & FLOW SENSOR
DRAWING No. IRR-019
DATE: OCTOBER 10, 2008



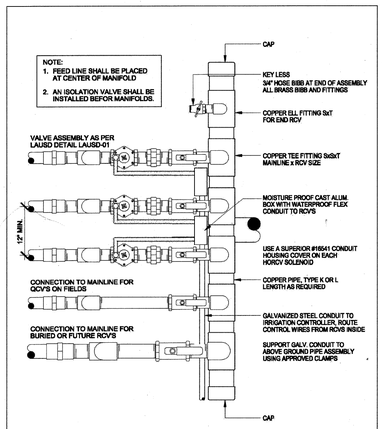
LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
IRRIGATION DETAILS
CONTROLLER ENCLOSURE
DRAWING No. IRR-018
DATE: OCTOBER 10, 2008



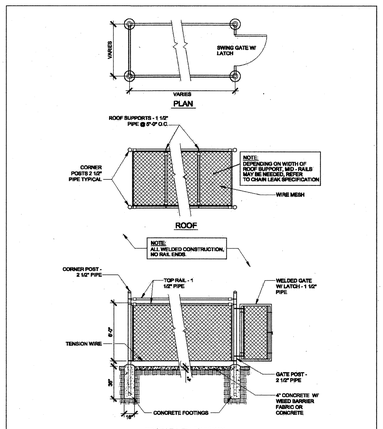
LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
IRRIGATION DETAILS
FLANGED GATE VALVE
DRAWING No. IRR-016
DATE: OCTOBER 10, 2008



LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
IRRIGATION DETAILS
TYPICAL ABOVE GROUND REMOTE VALVE MANIFOLD
DRAWING No. IRR-015
DATE: OCTOBER 10, 2008



LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
IRRIGATION DETAILS
TYPICAL REMOTE CONTROL MANIFOLD (ABOVE GROUND)
DRAWING No. IRR-021
DATE: OCTOBER 10, 2008



LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
IRRIGATION DETAILS
CHAIN LINK FENCE ENCLOSURE
DRAWING No. IRR-025
DATE: OCTOBER 10, 2008

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"AS-BUILT"

PROJECT TYPE		DRAWING PHASE SCHEDULE						
DSA SUBMITTAL	NON_DSA SUBMITTAL	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	50% CONSTRUCTION DOUMENTS	100% CONSTRUCTION DOUMENTS	DSA APPROVED	BIDDING	CONSTRUCTION
					4/16/08	7/3/08			

LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT
DESIGN AND A/E TECHNICAL SUPPORT
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213) 241-4254
FAX: (213) 241-4199

PROJECT TITLE AND SCHOOL LOCATION

VERDUGO HILLS HIGH SCHOOL SOFTBALL FIELD RENOVATION
PIC # 23.07171
VERDUGO HILLS HIGH SCHOOL
10625 PLAINVIEW AVENUE
TUJUNGA, CA 91042

COMMISSIONED ARCHITECT
PENCO ENGINEERING, INC.
CIVIL ENGINEER
ONE TECHNOLOGY PARK
BLDG. J-725
IRVINE, CA 92618
TEL: 949-753-8111
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CONSULTANT
OLEA LANDSCAPE ARCHITECTURE
812 FREMONT AVE, SUITE 301
SOUTH PASADENA, CA 91030
TEL: 626-799-2750
FAX: 626-799-2411

STAMPS/SEALS

LICENSED LANDSCAPE ARCHITECT
KAREN F. ASHOFF REGIS
Signature
3/31/09
Renewal Date
Date
STATE OF CALIFORNIA

DIVISION OF THE STATE ARCHITECT

8914.30.000

2	AS-BUILT 11/27/09

SHEET TITLE:

DETAIL SHEET

PROJECT NO.:	23.07171	PROJECT ARCH:	KFA
DRAWN:	KFA	CHECKED:	RMG

SHEET NUMBER
L-3.1

DATE: 7/3/08 SHEET: 15 OF: 15

"JANUARY 2007 VERSION"

8914.30.000