BELLA VISTA HIGH SCHOOL
SITE SECURITY PROJECT

8301 MADISON AVENUE
FAIR OAKS, CA 95628

EDUCATE • INSPIRE • SUCCEED • CONTRIBUTE

San Juan Unified School District

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AB	AGGREGATE BASE	JP	JOINT UTILITY POLE
AC	ASPHALTIC CONCRETE	LF	LINEAL FEET
AD	AREA DRAIN	LIP	LIP OF GUTTER
APN	ASSESSOR'S PARCEL NUMBER	LT	LEFT
ARV	AIR RELEASE VALVE	MS	MOWSTRIP
ASB	AGGREGATE SUB-BASE	NTS	NOT TO SCALE
BO	BLOW-OFF VALVE	OH	OVERHEAD
BV	BUTTERFLY VALVE	PCC	PORTLAND CEMENT CONCRETE
BW	BACK OF WALK	PD	PLANTER DRAIN
C/L	CENTERLINE	PIV	POST INDICATOR VALVE
CB	CATCH BASIN	P/L	PROPERTY LINE
CL	CLASS	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	PUE	PUBLIC UTILITY EASEMENT
CATV	CABLE TELEVISION	PVC	POLYVINYL CHLORIDE
CO	CLEANOUT	RCP	REINFORCED CONCRETE PIPE
COMM	COMMUNICATION	r	RADIUS
CONC.	CONCRETE	RIM	MANHOLE RIM ELEVATION
CONST.	CONSTRUCT	RP	REDUCED PRESSURE
CR	CURB RETURN		BACKFLOW PREVENTER
CS	CONCRETE SURFACE	RW	RIGHT OF WAY
DC	DOUBLE CHECK VALVE	SCH	SCHEDULE
DDC	DOUBLE DETECTOR CHECK VALVE	SD	STORM DRAIN
DG	DECOMPOSED GRANITE	SDMH	STORM DRAIN MANHOLE
DI	DROP INLET	SG	SUBGRADE ELEVATION
DIA	DIAMETER	si	SIDE INLET
DIP	DUCTILE IRON PIPE	SS	SANITARY SEWER
DWG	DRAWING	SSMH	SANITARY SEWER MANHOLE
DS	DOWNSPOUT	STD	STANDARD
E	ELECTRIC	S/W	SIDEWALK
EP	EDGE OF PAVEMENT	T	TELEPHONE
ESMT	EASEMENT	TC	TOP OF CURB
EX	EXISTING	TD	TRENCH DRAIN
FS	FIRE SERVICE LINE	TDCB	TRENCH DRAIN CATCH BASIN
FDC	FIRE DEPARTMENT CONNECTION	TP	TELEPHONE POLE
FL	FLOWLINE	TRW	TOP OF RETAINING WALL
FM	SANITARY SEWER FORCE MAIN	TSW	TOP OF SEAT WALK
FF	FINISHED FLOOR ELEVATION	TW	TOP OF WALK ELEVATION
FH	FIRE HYDRANT	U	UTILITY
G	GAS	UG	UNDERGROUND
GR	GRATE ELEVATION	UON	UNLESS OTHERWISE NOTED
GRD	GRADE ELEVATION	VCP	VITRIFIED CLAY PIPE
GV	GATE VALVE	W	WATER
HB	HOSE BIBB	W/	WITH
HBD	HEADER BOARD	W/O	WITHOUT
HDPE	HIGH DENSITY POLYETHYLENE PIPE	WV	WATER VALVE
HP	HIGH POINT		
INV	PIPE INVERT ELEVATION		

SYMBOLS LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

PROPOSED GRADING & DRAINAGE SYMBOLS:

- 8" SD — STORM DRAIN LINE (SIZE AND FLOW SHOWN)
- STORM DRAIN MANHOLE (SDMH)
- CATCH BASIN (CB)
- DROP INLET (DI)
- AREA DRAIN (AD)
- PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
- CO — STORM DRAIN CLEANOUT
- 99.99 — ELEVATION
- FF=100.00 — FINISHED FLOOR ELEVATION
- PAD=99.33 — BUILDING PAD ELEVATION
- CONCRETE SIDEWALK
- GRADED DIRECTION FOR DRAINAGE FLOW
- SWALE
- SLOPE
- TREE TO BE REMOVED
- SMP — TREE TO REMAIN
- RETAINING WALL
- O.R. — OVERLAND RELEASE PATH

PROPOSED WATER SYMBOLS:

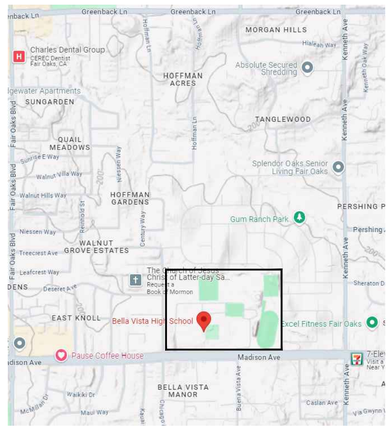
- 8" W — WATER LINE & SIZE
- 8" FS — FIRE LINE & SIZE
- 8" DW — DOMESTIC WATER LINE & SIZE
- 8" RW — RECLAIMED WATER LINE & SIZE
- 8" IRR — IRRIGATION SERVICE LINE & SIZE
- 8" NP — NON POTABLE WATER LINE & SIZE
- 8" SP — FIRE SPRINKLER SVC. LINE & SIZE
- GATE VALVE
- M — WATER METER
- FH — FIRE HYDRANT ASSEMBLY
- FDC — FIRE DEPARTMENT CONNECTION
- DC — DETECTOR CHECK VALVE
- DDC — DOUBLE DETECTOR CHECK VALVE
- RP — REDUCED PRESSURE BACKFLOW PREVENTER
- BUTTERFLY VALVE
- 1" — AIR RELEASE VALVE + SIZE
- 1" — BLOW-OFF VALVE + SIZE
- PIV — POST INDICATOR VALVE

PROPOSED SANITARY SEWER SYMBOLS:

- 6" SS — SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
- SANITARY SEWER MANHOLE (SSMH)
- CO — SEWER CLEANOUT FLUSHER BRANCH

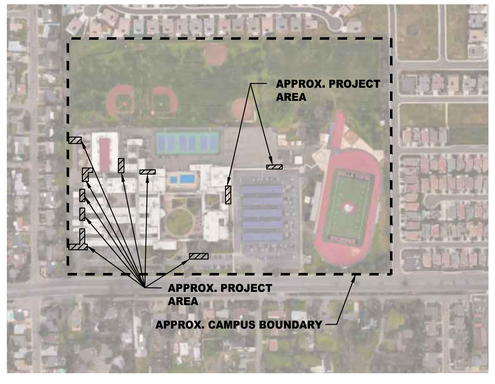
VICINITY MAP

NO SCALE



SITE MAP

NO SCALE



APPLICABLE CODES & STANDARDS

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR*

2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
(2021 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
(2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
(2021 IAPMO UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR

2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
(2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

2022 CALIFORNIA ENERGY CODE (CGC), Part 11, Title 24 CCR.

FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION SHALL COMPY WITH CFC AND CBC CH 33.

PROJECT NARRATIVE

CONSTRUCTION OF SITE FENCING AND GATES ALONG SCHOOL FRONTAGE, ONE ACCESSIBLE EGRESS GATE OF WHICH TO BE PROVIDED WITH ELECTRONIC ACCESS CONTROLS. ADDITIONAL ACCESSIBLE PEDESTRIAN EGRESS AND MAINTENANCE GATES HAVE ALSO BEEN ADDED. ALL PEDESTRIAN GATES IN A KNOWN OR POTENTIAL MEANS OF EGRESS HAVE BEEN PROVIDED WITH PANIC HARDWARE.

THERE ARE NO BUILDINGS OR STRUCTURES TO BE CONSTRUCTED, MODERNIZED OR OTHERWISE ALTERNATED BY THIS SET OF PLANS.

APPLICABLE REGULATIONS

1. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATION SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY DSA AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24 CCR.
3. 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, PART 1, TITLE 24, CCR)
4. A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
5. THIS PROJECT REQUIRES INSPECTOR CLASS 3
6. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

SPECIAL TESTING:

1. CONTRACTOR SHALL PROVIDE AND COORDINATE TESTING OF NEW LIGHTING CONTROLES MECHANICAL SYSTES, ENVELOPES AND PROCESS EQUIPMENT AND SYSTEMS IN ACCORDANCE WITH CALIFORNIA ENERGY CODE, SECTION 10-103.

DEFERRED APPROVALS

N/A

STATEMENTS:

GENERAL NOTES

1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.
2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL, IF STAKED BY OTHERS. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
4. CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK.. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB SLAB CONSTRUCTION.
21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDRO SEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.

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

GENERAL PAVING SURFACE NOTES:

1. PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%, TYPICAL. PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.
2. ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0%, AND NO LESS THAN 0.75% IN ANY DIRECTION, UNLESS SPECIFICALLY LABELED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:
   - NO GREATER THAN 5% SLOPE IN THE DIRECTION OF TRAVEL.
   - NO GREATER THAN 2% SLOPE CROSSING THE DIRECTION OF TRAVEL.
   - NO GREATER THAN 2% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS.

SHEET INDEX

TOTAL SHEETS = 14

NO.	SHEET DESCRIPTION
CIVIL	
C0.0	COVER SHEET
C1.0.1	SITE ACCESS PLAN
C1.0.2	FIRE ACCESS PLAN
C1.1	DEMOLITION PLAN
C1.2	DEMOLITION PLAN
C2.1	GRADING AND FENCING PLAN
C2.2	GRADING AND FENCING PLAN
C2.3	SOFTBALL FIELD FENCE
C3.1	DETAILS AND SECTIONS
C3.2	DETAILS AND SECTIONS
C3.3	DETAILS AND SECTIONS
TECHNOLOGY	
T000	SECURITY COVER SHEET AND SINGLE LINE DIAGRAM
T200	SECURITY FLOOR PLAN
T800	SECURITY DETAILS

OWNER/USER

OWNER: SAN JUAN UNIFIED SCHOOL DISTRICT
5320 HEMLOCK STREET
SACRAMENTO, CA 95841
PHONE: (916) 971-5780

DISTRICT CONTACT:

NICHOLAS ARPS
NICHOLAS.ARPS@SANJUAN.EDU

PROJECT TEAM

CIVIL: WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762
PHONE: (916) 985-1870
FAX: (916) 985-1877

ELEC: KMM SERVICES, INC.
5433 EL CAMINO AVE #5
CARMICHAEL, CA 95608
PHONE: (916) 359-4000

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123111 INC:
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑
DATE: 02/19/2025

A.P.N. 249-0020-002

BENCHMARK NO. 14-77
ELEV. 216.26

FOUND 2" BRASS DISC STAMPED "SACRAMENTO CO. DEPT. OF PUBLIC WORKS CO. B.M. 14-77" LOCATED IN TOP OF SOUTHWEST CORNER OF CONCRETE BASE OF TRAFFIC SIGNAL STANDARD WEST SIDE OF EAST ENTRANCE TO BELLA VISTA HIGH SCHOOL NEAR WEST END OF CURB RETURN AT THE NORTHWEST CORNER OF MADISON AVE. & BUENA VISTA AVE.

HORIZONTAL SCALE: AS NOTED

VERTICAL SCALE: N/A

JOB NO: 24-142

DESIGNED BY: AT

CHECKED BY: AT

DATE: 02-10-2025

AGENCY APPROVAL — DATE / BY

REVISIONS — NO. / DESCRIPTION / DATE

REGISTERED PROFESSIONAL ENGINEER — ANTHONY J. TASSANO — NO. C74696 — STATE OF CALIFORNIA

WCE — WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

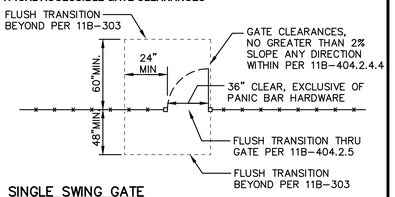
TITLE: COVER SHEET

PROJECT: BELLA VISTA HIGH SCHOOL
SITE SECURITY PROJECT
8301 MADISON AVENUE
FAIR OAKS, CA 95628

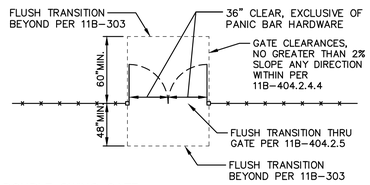
SHEET NO. C0.0

FILENAME:I:\24-142\CIVIL\DWG\24-142-C00.DWG PLOTTED:Monday, February 10, 2025

TYPICAL ACCESSIBLE GATE CLEARANCES



SINGLE SWING GATE



DOUBLE SWING GATE

GRAPHIC SCALE

60' 0 30' 60' 120'

(IN FEET) 1 inch = 60 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

FENCING ONLY PROJECT ACCESSIBLE PATH OF TRAVEL

IN ACCORDANCE WITH DSA IR A-22, ITEM NO. 12, KEYNOTE 4, THE ACCESSIBLE PATH OF TRAVEL REVIEW SHALL BE LIMITED TO WHERE NEW FENCES AND GATES AFFECT/CROSS AN ACCESSIBLE PATH OF TRAVEL.

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

TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECT AND/OR ENGINEER, OR THE DISTRICT, THE PATH OF TRAVEL (P.O.T.) AS INDICATED, IS A BARRIER FREE ACCESS ROUTE CONFORMING TO THE FOLLOWING:

1. THERE ARE NO ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1V:2H MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX.
2. THE MINIMUM WIDTH OF THE P.O.T. IS 48" AT ANY GIVEN POINT. (11B-403.5.1)
3. THE SURFACE OF THE P.O.T. STABLE, FIRM, AND SLIP RESISTANT. (11B-403.2)
4. THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL IS 5.0% (11B-403.3), UNLESS OTHERWISE INDICATED, WITH THE FOLLOWING EXCEPTIONS:
   A. THE SLOPED PORTION OF "RAMP" DOES NOT EXCEED 8.33% (1V:12H) IN THE DIRECTION OF TRAVEL (11B-405.2).
   B. THE SLOPED PORTION OF A "CURB RAMP" DOES NOT EXCEED 8.33% (1V:12H) IN THE DIRECTION OF TRAVEL (11B-406.2.1 AND 11B-406.3.1).
5. THE CROSS SLOPE OF THE ACCESSIBLE PATH OF TRAVEL DOES NOT EXCEED 2% AT ANY GIVEN POINT (11B-403.3).
6. THE ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307).
7. THERE ARE NO PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307).
8. PASSING SPACES AT LEAST 60"X60" ARE LOCATED NOT MORE THAT 200' APART. (11B-403.5.3)
9. PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART. (11B-407.3)
10. THERE IS NO DROP-OFF OVER 4" AT THE EDGE OF WALK OR LANDING. (11B-303.5)
11. ARCHITECT AND CONTRACTOR SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.
12. THERE ARE NO GRATINGS WITHIN THE PATH OF TRAVEL WITH GRATE OPENINGS EXCEEDING 1/2" IN THE DIRECTION OF TRAVEL. (11B-302.3)

DSA PR-1501

"Design Professional in General Responsible Charge Statement:

The POT identified in these construction documents meets the requirements of the current applicable California Building Code (CBC) accessibility provisions **for path of travel requirements for alterations, additions and structural repairs**. As part of the design of this project, the POT was examined and any elements, components or portions of the POT that were determined to be noncompliant with the CBC have been identified and the corrective work necessary to bring them into compliance has been included within the scope of this project's work through details, drawings and specifications incorporated into these construction documents. Any noncompliant elements, components or portions of the POT that will not be corrected by this project based on valuation threshold limitations or a finding of unreasonable hardship are indicated in these construction documents.

During construction, if POT items within the scope of the project represented as CBC compliant are found to be nonconforming beyond reasonable construction tolerances, the items shall be brought into compliance with the CBC as a part of this project by means of a construction change document."

LEGEND

- EXISTING BUILDING NOT MODERNIZED BY THIS APPLICATION.
- ACCESSIBLE PATH OF TRAVEL (P.O.T.)
- LIMIT/END OF PATH OF TRAVEL THIS PROJECT.
- PATH OF TRAVEL CONTINUATION INTO ACCESSIBLE AREA.
- NEW CONCRETE WALKWAY
- EXISTING CONCRETE WALKWAY
- SCOPE OF PROJECT
- ACCESSIBLE RESTROOM (PROJECT COMPLIANCE)

GENERAL SITE PLAN AND ACCESS NOTES:

1. Slope shall not be steeper than 1:48 in any direction in open areas." At least one accessible route within the boundary of the site shall be provided from public way, accessible parking, and accessible restrooms, to area of work.

2. Slopes in direction of P.O.T. greater than 1:20 are considered ramps(11B-405); Please show all.

3. Walks in path of travel shall be free of gratings wherever possible. Grating which occur within the P.O.T. shall have grid openings at ½" maximum in the direction of traffic flow per CBC Section 11B-302.3; Provide manufactures cut-sheets for review.

4. When provided, all new gates and gates on path of travel must comply with 11B-404 requirements. Provide a 24" min. Strike side clearance on pull side and a smooth surface at the bottom 10 inches of push side of gate. Specify accessible / lever hardware.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123111 INC:
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑
DATE: 02/19/2025

A.P.N. 249-0020-002

BENCHMARK NO. 14-77
ELEV. 216.26

FOUND 2" BRASS DISC STAMPED "SACRAMENTO CO. DEPT. OF PUBLIC WORKS CO. B.M. 14-77" LOCATED IN TOP OF SOUTHWEST CORNER OF CONCRETE BASE OF TRAFFIC SIGNAL STANDARD WEST SIDE OF EAST ENTRANCE TO BELLA VISTA HIGH SCHOOL NEAR WEST END OF CURB RETURN AT THE NORTHWEST CORNER OF MADISON AVE. & BUENA VISTA AVE.

HORIZONTAL SCALE: AS NOTED

VERTICAL SCALE: N/A

JOB NO: 24-142

DESIGNED BY: AT

CHECKED BY: AT

DATE: 02-10-2025

REVISIONS NO.	DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA

WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

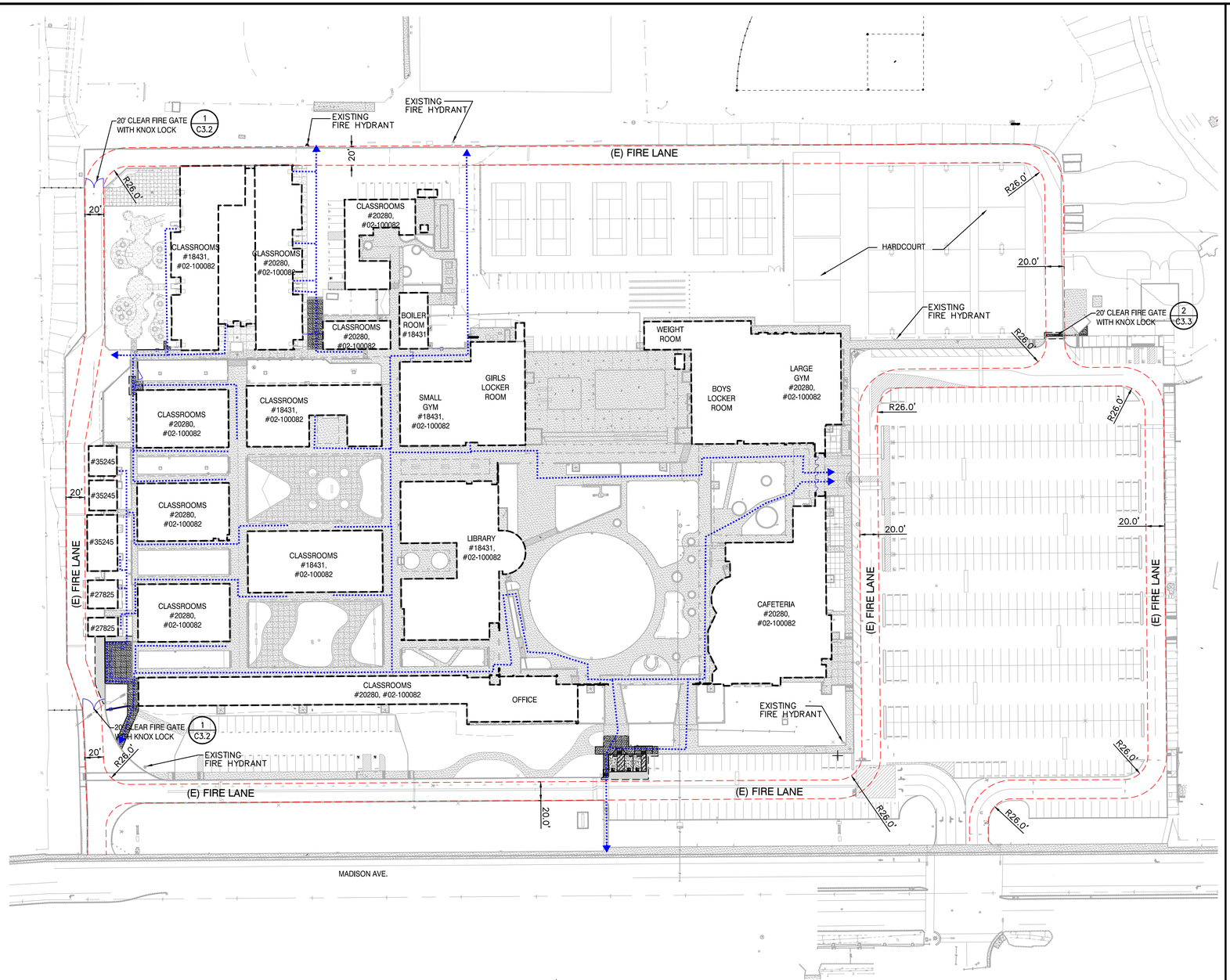
TITLE: SITE ACCESS PLAN

PROJECT: BELLA VISTA HIGH SCHOOL
SITE SECURITY PROJECT
8301 MADISON AVENUE
FAIR OAKS, CA 95628

SHEET NO.
C1.0.1

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

FILENAME:I:\24-142\CIVIL\DWG\24-142-C101.DWG PLOTTED:Monday, February 10, 2025



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

KNOX NOTES

ALL GATES WHICH CROSS THE FIRE LANE AS DESIGNATED BY THIS PLAN SHALL BE OUTFITTED WITH A LOW LEVEL KNOX LOCK.

ALL FIRE CONTROL ROOMS FOR THIS PROJECT SHALL BE OUTFITTED WITH A HIGH LEVEL KNOX BOX AT A LOCATION WHICH IS APPROVED BY THE SACRAMENTO METROPOLITAN FIRE DISTRICT INSPECTOR.

PAVEMENT NOTES

FIRE ACCESS ROADWAYS SHALL BE BUILT TO BEAR A MINIMUM OF 75,000 POUNDS IN ACCORDANCE WITH CFC 2022, APPENDIX D.

GRAPHIC SCALE

60' 0 30' 60' 120'

(IN FEET) 1 inch = 60 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

FILENAME:I:\24-142\CIVIL\DWG\24-142-C102.DWG PLOTTED:Monday, February 10, 2025

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

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

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

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

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

PROJECT INFORMATION
School District/Owner: SAN JUAN UNIFIED SCHOOL DISTRICT
Project Name/School: SITE SECURITY PROJECT/BELLA VISTA HIGH SCHOOL
Project Address: 8301 MADISON AVE., FAIR OAKS, CA 95628

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

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

School District Acceptance of Acceptable Design Alternates

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

Accepted by: N/A - NO VARAINCE PROPOSED Title: _____

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name:	
LFA Review Official:	
Title:	Work Phone:
Work Email:	

LFA Reviewer's Signature: _____ Date: _____

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DATE: 02/19/2025

A.P.N. 249-0020-002

BENCHMARK NO. 14-77
ELEV. 216.26

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HORIZONTAL SCALE: AS NOTED

VERTICAL SCALE: N/A

JOB NO: 24-142

DESIGNED BY: AT

CHECKED BY: AT

DATE: 02-10-2025

AGENCY APPROVAL

NO.	DESCRIPTION	DATE	BY
REVISIONS			

ANTHONY J. TASSANO
REGISTERED PROFESSIONAL ENGINEER
NO. C74696
STATE OF CALIFORNIA

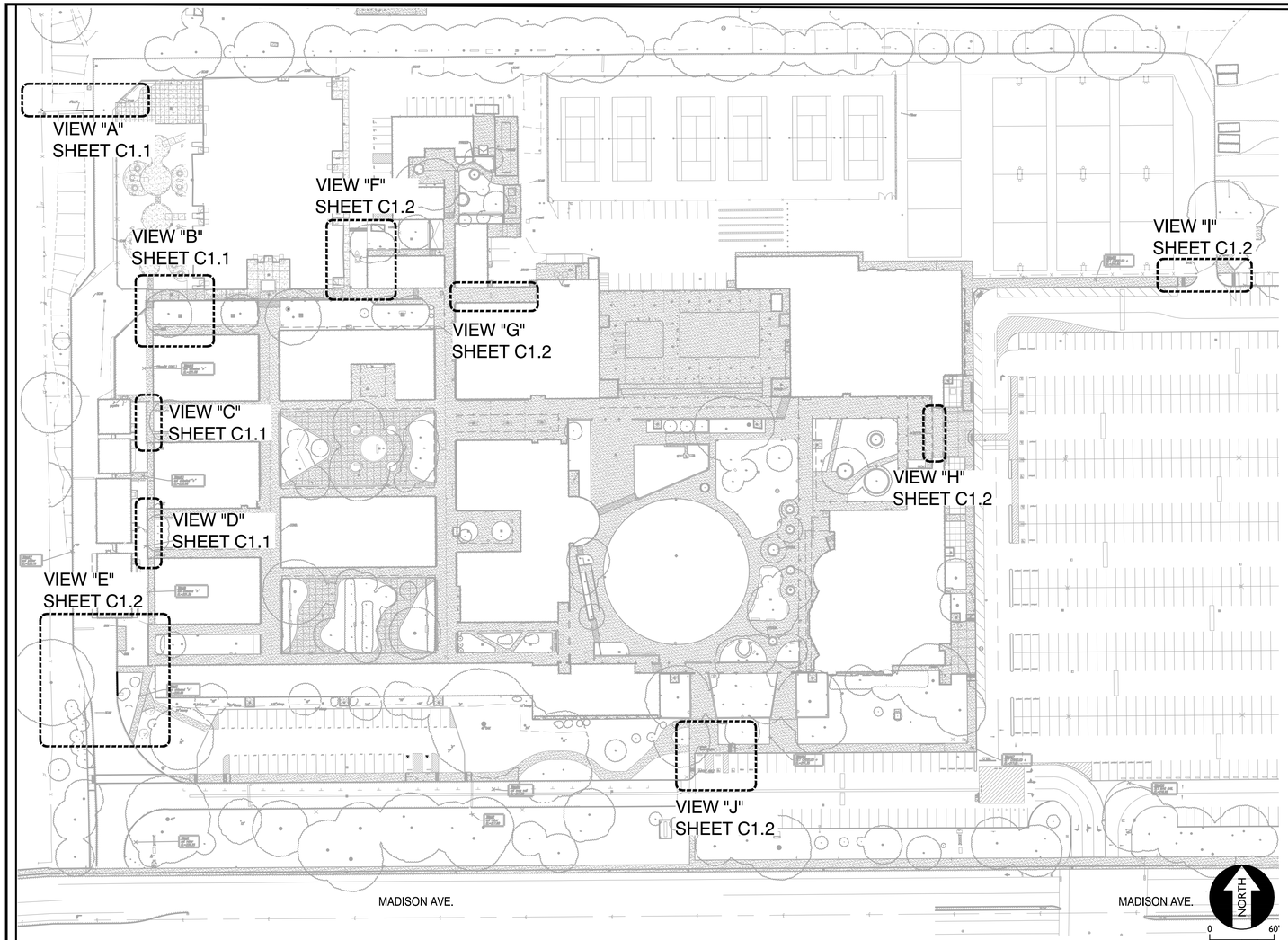
WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: FIRE ACCESS PLAN

PROJECT: BELLA VISTA HIGH SCHOOL
SITE SECURITY PROJECT
8301 MADISON AVENUE
FAIR OAKS, CA 95628

SHEET NO.

C1.0.2



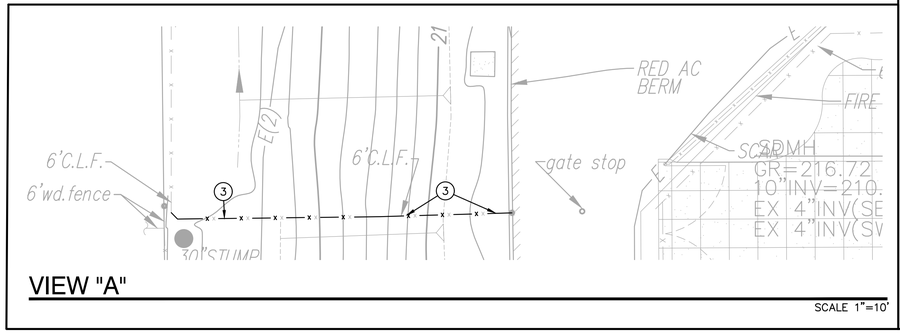
SITE MAP

DEMOLITION NOTES

1. SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
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3. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE, GATES, POSTS AND ASSOCIATED FOOTINGS.
14. EXISTING GATE TO REMAIN AND BE PROTECTED.
15. REMOVE AND DISPOSE OF EXISTING BOLLARD AND ASSOCIATED FOOTING.

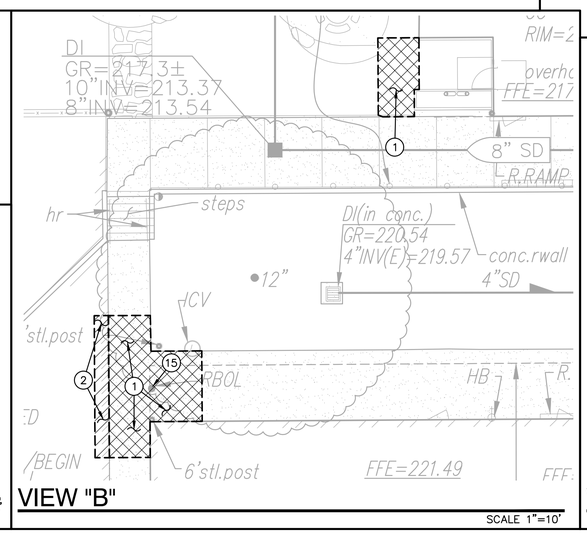
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3. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
4. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
5. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTEND.
6. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
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11. WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.



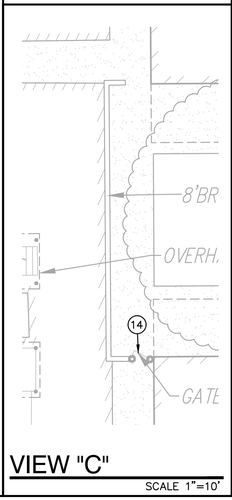
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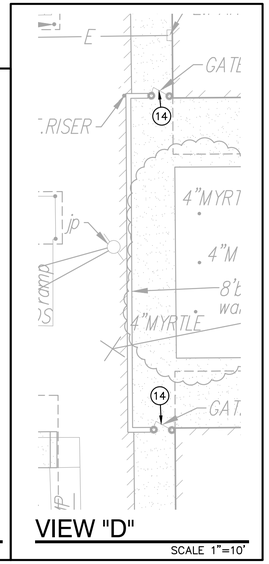
VIEW "B"

SCALE 1"=10'



VIEW "C"

SCALE 1"=10'



VIEW "D"

SCALE 1"=10'

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HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
JOB NO:	24-142
DESIGNED BY:	AT
CHECKED BY:	AT
DATE:	02-10-2025

REVISIONS NO.	DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA

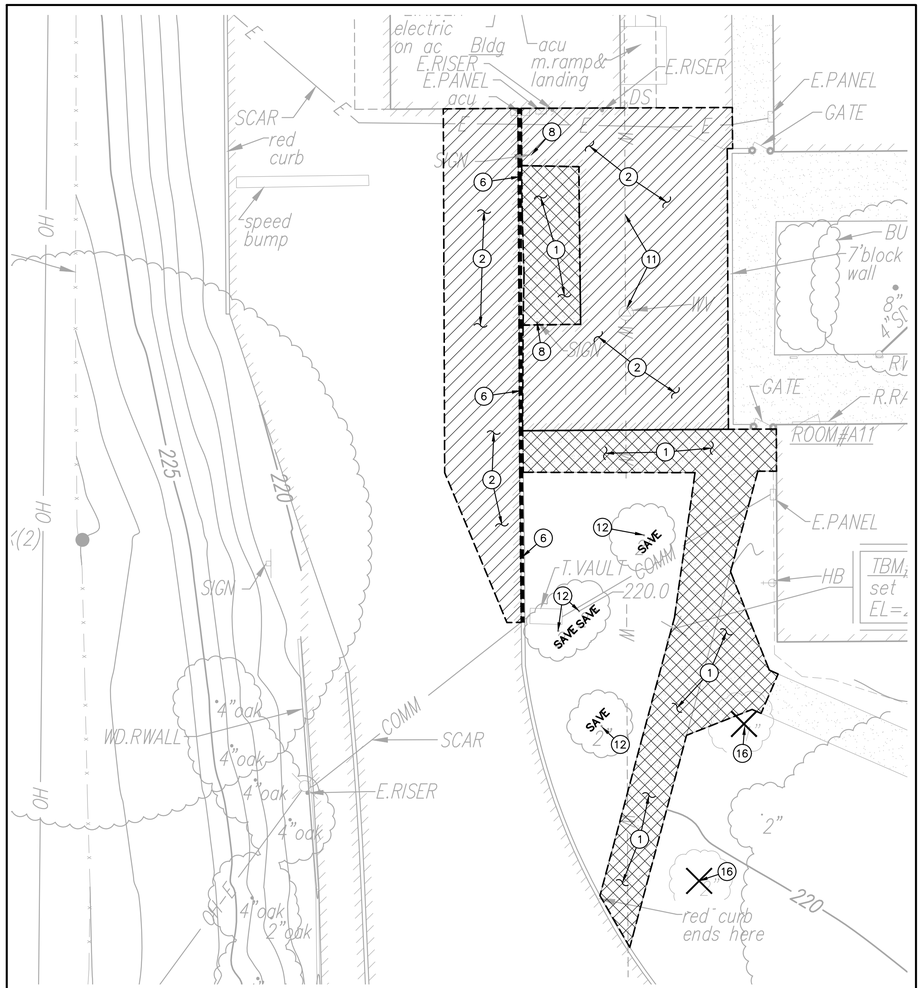
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: DEMOLITION PLAN

PROJECT: BELLA VISTA HIGH SCHOOL
SITE SECURITY PROJECT
8301 MADISON AVENUE
FAIR OAKS, CA 95628

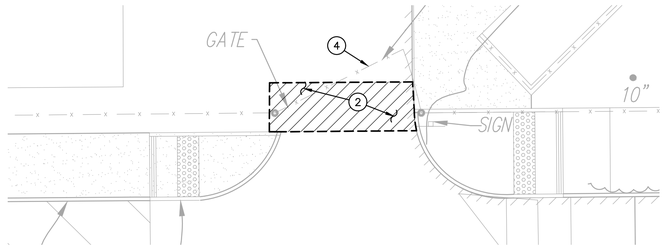
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C1.1

FILENAME:I:\24-142\CIVIL\DWG\24-142-C11-C12.DWG PLOTTED:Monday, February 10, 2025



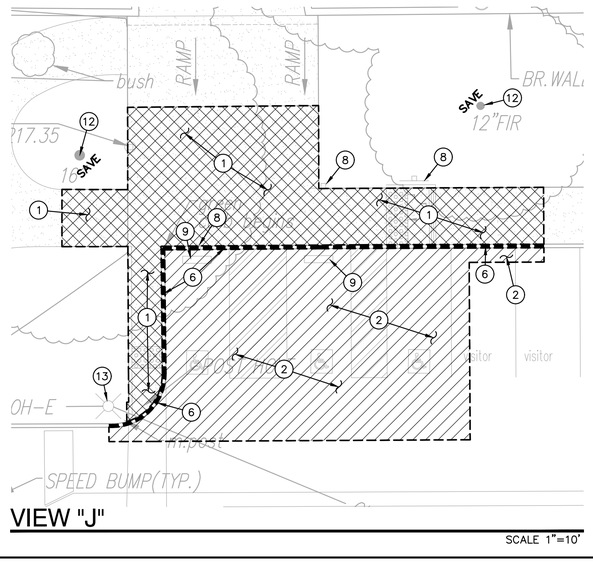
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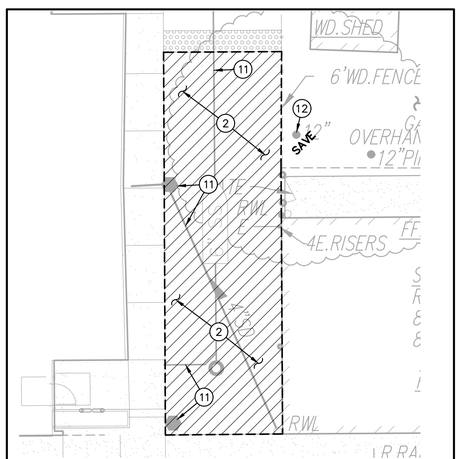
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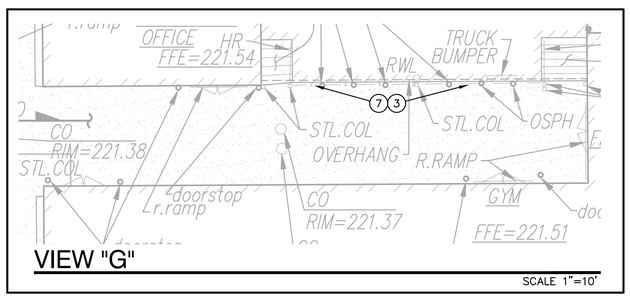
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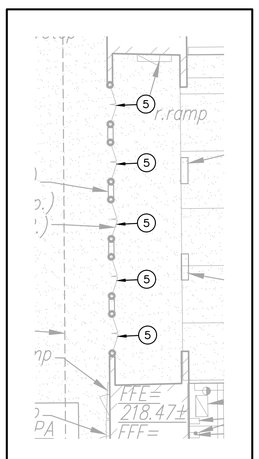
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SCALE 1"=10'



VIEW "G"

SCALE 1"=10'



VIEW "H"

SCALE 1"=10'

DEMOLITION NOTES

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3. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE, GATES, POSTS AND ASSOCIATED FOOTINGS.
4. REMOVE AND DISPOSE OF EXISTING GATE AND ASSOCIATED HARDWARE. CUT AND REMOVE EXISTING GATE HINGES. GRIND FRAME SMOOTH AND PAINT AREAS WHERE HINGES WERE REMOVED.
5. REMOVE AND DISPOSE OF EXISTING GATE, FRAME AND ASSOCIATED FOOTINGS.
6. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB TO EXTENT SHOWN.
7. REMOVE AND DISPOSE OF EXISTING ROLLING GATE.
8. REMOVE AND DISPOSE OF EXISTING SIGN, POST AND ASSOCIATED FOOTING.
9. REMOVE AND DISPOSE OF EXISTING PARKING BLOCK.
10. REMOVE AND DISPOSE OF ORNAMENTAL FENCING, GATES, POSTS AND ASSOCIATED FOOTINGS.
11. EXISTING UTILITIES TO REMAIN AND BE PROTECTED PLACE.
12. EXISTING TREE TO REMAIN AND BE PROTECTED.
13. EXISTING POWER POLE TO REMAIN AND BE PROTECTED.
16. REMOVE AND DISPOSE OF EXISTING TREE, TRUNK AND ROOTS.

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BENCHMARK NO. 14-77
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HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
JOB NO:	24-142
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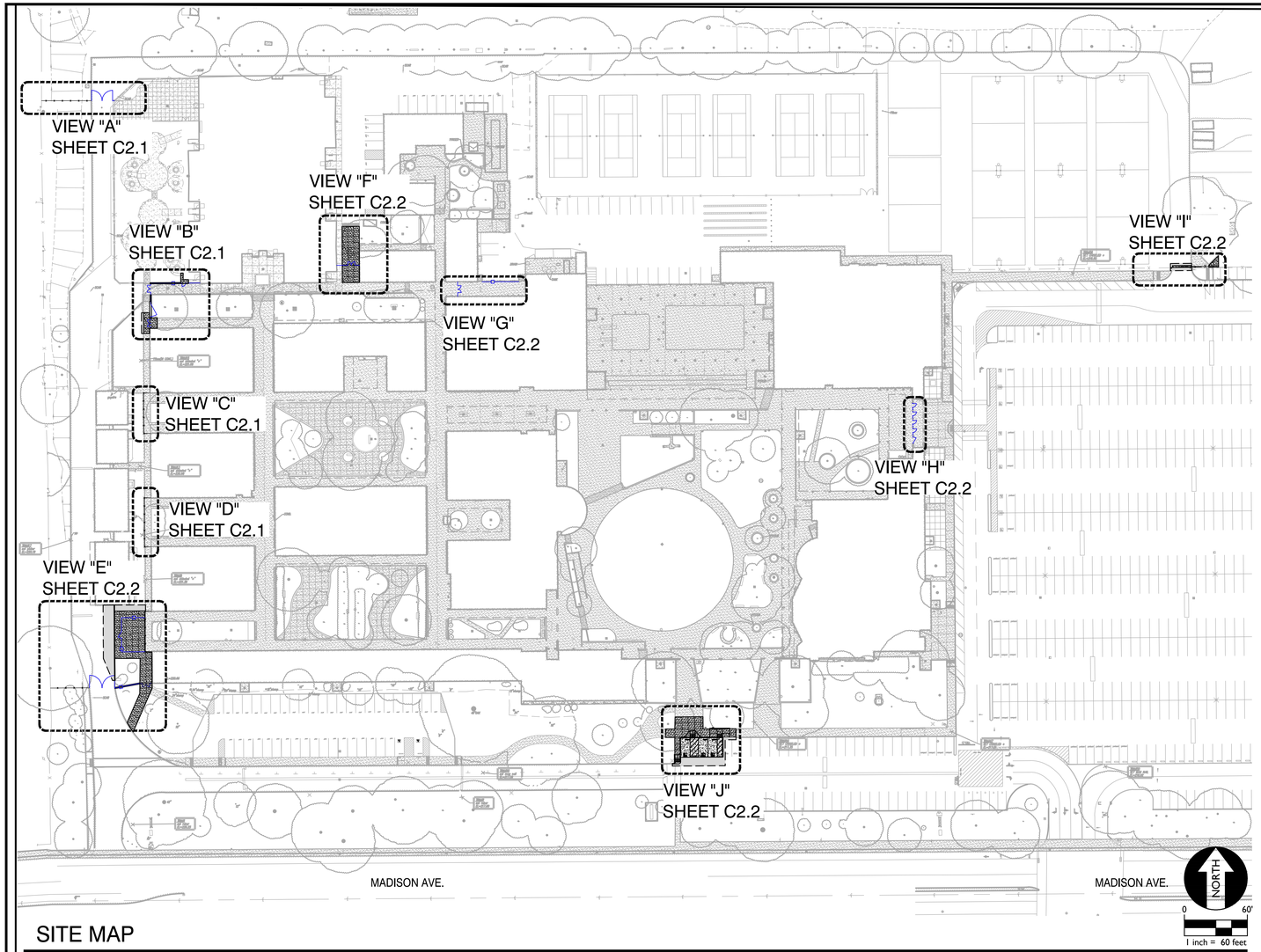
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TITLE: DEMOLITION PLAN

PROJECT: BELLA VISTA HIGH SCHOOL
SITE SECURITY PROJECT
8301 MADISON AVENUE
FAIR OAKS, CA 95628

SHEET NO.
C1.2

FILENAME:I:\24-142\CIVIL\DWG\24-142-C11-C12.DWG PLOTTED:Monday, February 10, 2025



SITE MAP

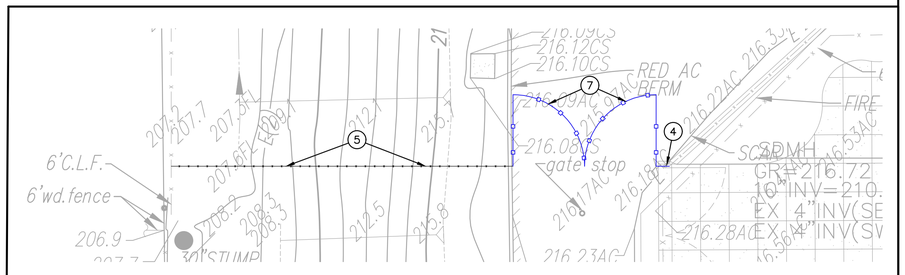
SUBGRADE PREPARATION

1. FOLLOWING SITE DEMOLITION ACTIVITIES:

   FOR AREAS TO RECEIVE CONCRETE AND ASPHALT PAVING, EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 8 INCHES, MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY THE ASTM D1557 TEST METHOD. UPPER 8 INCHES OF SUBGRADE BENEATH ASPHALT PAVEMENT SHALL BE COMPACTED TO 95 PERCENT.

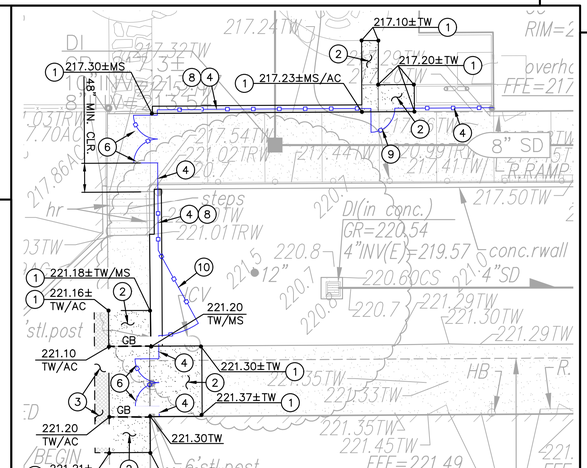
GRADING AND FENCING NOTES

1. MATCH EXISTING GRADE/ELEVATION.
2. CONSTRUCT CONCRETE SIDEWALK PER 1/C3.1
   PLACE 5"PCC WITH #4 REBAR AT 24" O.C.E.W. ON 12" CL2 AGGREGATE BASE ON COMPACTED SUBGRADE.
3. PLACE 3"AC OVER 12" CL2 AGGREGATE BASE ON COMPACTED SUGRADE.
4. PLACE 6 FT ORNAMENTAL IRON FENCE PER 8/C3.1 AND SECTION 323119.
5. PLACE 6 FT BLACK VINYL CHAIN LINK FENCE AND POSTS. POSTS AND RAILS TO BE POWDER COATED BLACK. FABRIC TO BE 9 GA. 2" MESH. SEE SPECIFICATION SECTION 323113. 9/C3.1
6. CONSTRUCT ACCESSIBLE TWO-LEAF (40" WIDE LEAFS) ORNAMENTAL GATE PER 1/C3.3
7. CONSTRUCT 20FT WIDE ORNAMENTAL FIRE LANE GATE PER 1/C3.2
8. CONSTRUCT 12" WIDE CONCRETE MOWSTRIP PER 3/C3.1
9. CONSTRUCT ACCESSIBLE SINGLE-LEAF (40" WIDE LEAF) ORNAMENTAL GATE PER 4/C3.2
10. CONSTRUCT 10 FT ORNAMENTAL MAINTENANCE GATE PER 3/C3.2
11. CONSTRUCT CHAIN LINK LATTICE ON EXISTING CMU WALL PER 5/C3.2



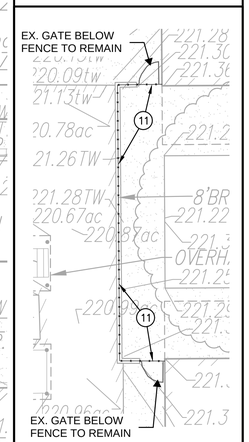
VIEW "A"

SCALE 1"=10'



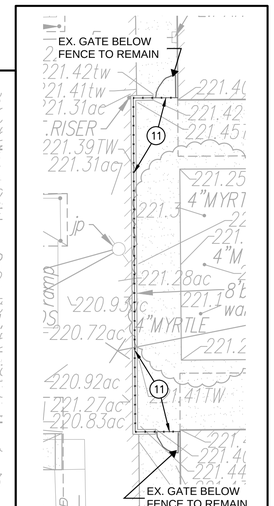
VIEW "B"

SCALE 1"=10'



VIEW "C"

SCALE 1"=10'



VIEW "D"

SCALE 1"=10'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123111 INC:
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑
DATE: 02/19/2025

A.P.N.	249-0020-002

BENCHMARK NO. 14-77
ELEV. 216.26

FOUND 2" BRASS DISC STAMPED "SACRAMENTO CO. DEPT. OF PUBLIC WORKS CO. B.M. 14-77" LOCATED IN TOP OF SOUTHWEST CORNER OF CONCRETE BASE OF TRAFFIC SIGNAL STANDARD WEST SIDE OF EAST ENTRANCE TO BELLA VISTA HIGH SCHOOL NEAR WEST END OF CURB RETURN AT THE NORTHWEST CORNER OF MADISON AVE. & BUENA VISTA AVE.

HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
JOB NO:	24-142
DESIGNED BY:	AT
CHECKED BY:	AT
DATE:	02-10-2025

REVISIONS NO.	DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA

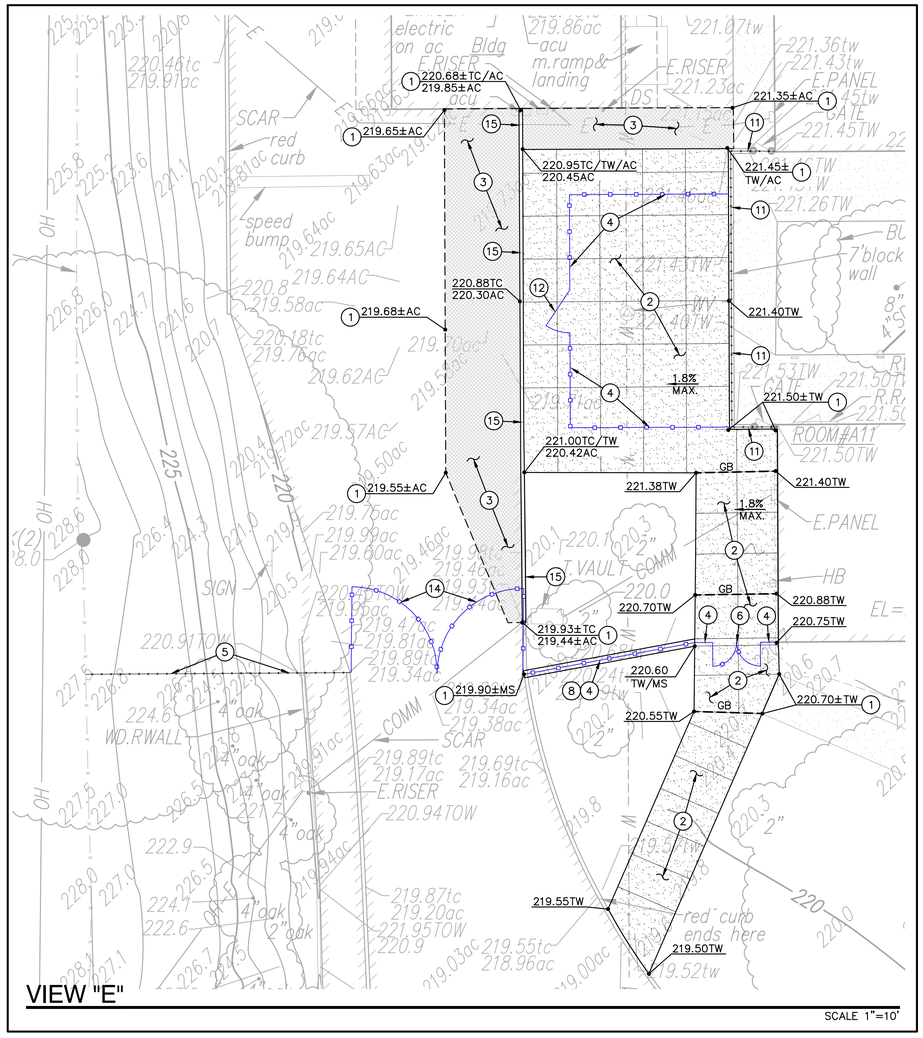
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

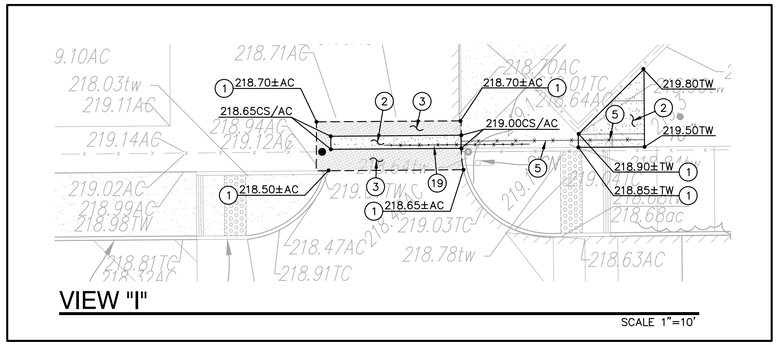
TITLE: GRADING AND FENCING PLAN

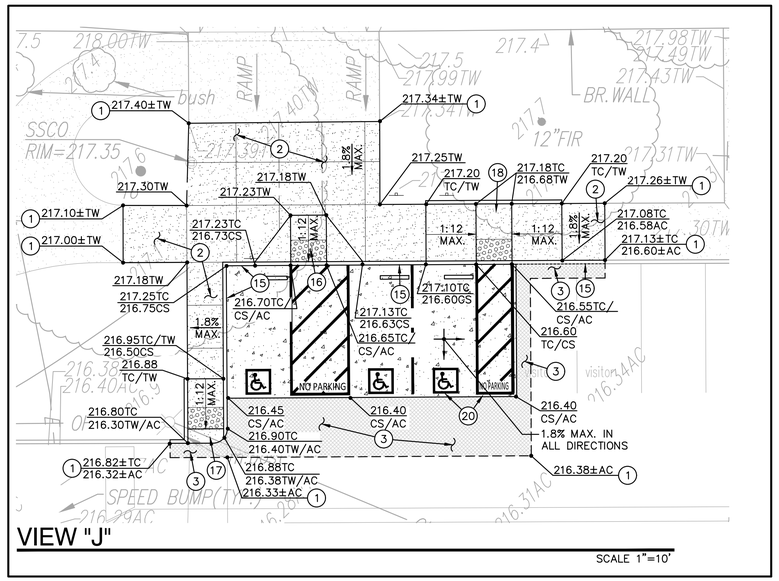
PROJECT: BELLA VISTA HIGH SCHOOL
SITE SECURITY PROJECT
8301 MADISON AVENUE
FAIR OAKS, CA 95628

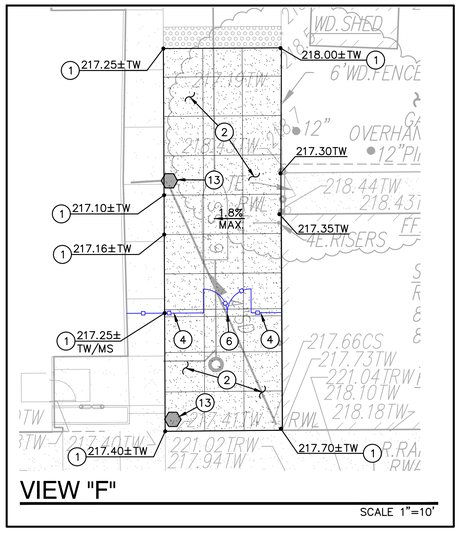
SHEET NO.
C2.1

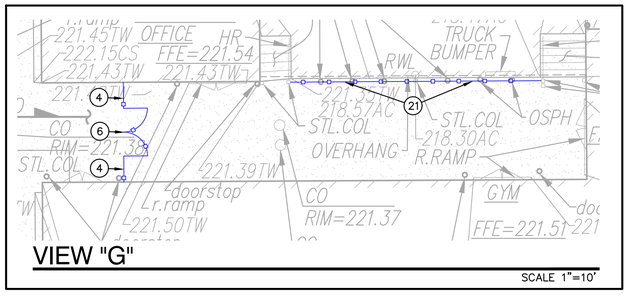
FILENAME:I:\24-142\CIVIL\DWG\24-142-C21-C23.DWG PLOTTED:Monday, February 10, 2025

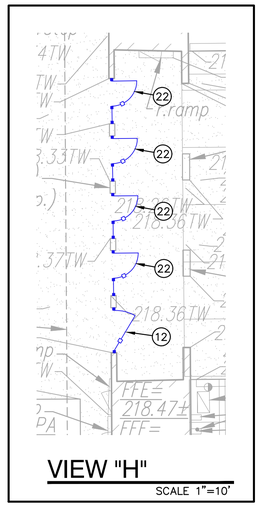


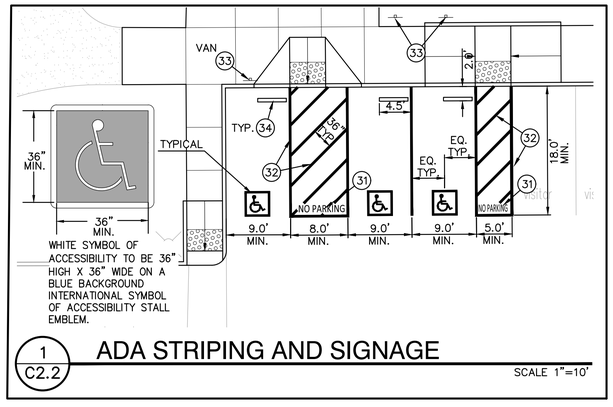












1 C2.2 ADA STRIPING AND SIGNAGE

SCALE 1"=10'

SUBGRADE PREPARATION

1. FOLLOWING SITE DEMOLITION ACTIVITIES:

   FOR AREAS TO RECEIVE CONCRETE AND ASPHALT PAVING, EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 8 INCHES, MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY THE ASTM D1557 TEST METHOD. UPPER 8 INCHES OF SUBGRADE BENEATH ASPHALT PAVEMENT SHALL BE COMPACTED TO 95 PERCENT.

GRADING AND FENCING NOTES

1. MATCH EXISTING GRADE/ELEVATION.
2. CONSTRUCT CONCRETE SIDEWALK PER 1/C3.1. PLACE 5"PCC WITH #4 REBAR AT 24" O.C.E.W. ON 12" CL2 AGGREGATE BASE ON COMPACTED SUBGRADE.
3. PLACE 3"AC OVER 12" CL2 AGGREGATE BASE ON COMPACTED SUGRADE.
4. PLACE 6 FT ORNAMENTAL IRON FENCE PER 8/C3.1 AND SECTION 323119.
5. PLACE 6 FT BLACK VINYL CHAIN LINK FENCE AND POSTS PER 9/C3.1 POSTS AND RAILS TO BE POWDER COATED BLACK. FABRIC TO BE 9 GA. 2" MESH. SEE SPECIFICATION SECTION 323113.
6. CONSTRUCT ACCESSIBLE TWO-LEAF (40" WIDE LEAFS) ORNAMENTAL GATE PER 1/C3.3
8. CONSTRUCT 12" WIDE CONCRETE MOWSTRIP PER 3/C3.1
11. CONSTRUCT CHAIN LINK LATTICE ON EXISTING CMU WALL PER 5/C3.2
12. CONSTRUCT 6 FT WIDE ORNAMENTAL MAINTENANCE GATE PER 3/C3.2
13. RAISE EXISTING DRAIN INLET TO FINISH GRADE.
14. CONSTRUCT 24 FT WIDE ORNAMENTAL MAINTENANCE AND FIRE ACCESS GATE PER 1/C3.2 2/C3.1
15. CONSTRUCT 6" WIDE VERTICAL CONCRETE CURB PER 2/C3.1
16. CONSTRUCT ACCESSIBLE CURB RAMP # 1 PER 6/C3.1
17. CONSTRUCT ACCESSIBLE CURB RAMP # 2 PER 5/C3.1
18. CONSTRUCT ACCESSIBLE CURB RAMP # 3 PER 4/C3.1
19. CONSTRUCT 20' ROLLING CHAIN LINK GATE PER 2/C3.3
20. PLACE ACCESSIBLE STRIPING AND SIGNAGE PER 1/C2.2
21. CONSTRUCT 8 FT ORNAMENTAL IRON FENCE PER 8/C3.1
22. CONSTRUCT 42" WIDE ACCESSIBLE ORNAMENTAL GATE PER 4/C3.2

STRIPING AND SIGNAGE NOTES

31. PAINT 12" HIGH WHITE LETTERING EXPRESSING "NO PARKING".
32. PAINT 4" WIDE BLUE STRIPING AROUND PERIMETER OF ACCESSIBLE LOADING AREA WITH BLUE CROSS HATCH STRIPING. STRIPES SHALL BE 4" WIDE AND 36" O.C. AND 30° FROM PERPENDICULAR WITH PERIMETER STRIPING.
33. INSTALL ACCESSIBLE PARKING SIGN PER 10/C3.1
34. PLACE 48" LONG CONCRETE WHEEL STOP PER 11/C3.1

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BENCHMARK NO. 14-77
ELEV. 216.26

FOUND 2" BRASS DISC STAMPED "SACRAMENTO CO. DEPT. OF PUBLIC WORKS CO. B.M. 14-77" LOCATED IN TOP OF SOUTHWEST CORNER OF CONCRETE BASE OF TRAFFIC SIGNAL STANDARD WEST SIDE OF EAST ENTRANCE TO BELLA VISTA HIGH SCHOOL NEAR WEST END OF CURB RETURN AT THE NORTHWEST CORNER OF MADISON AVE. & BUENA VISTA AVE.

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: N/A
JOB NO: 24-142
DESIGNED BY: AT
CHECKED BY: AT
DATE: 02-10-2025

REVISIONS NO.	DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA

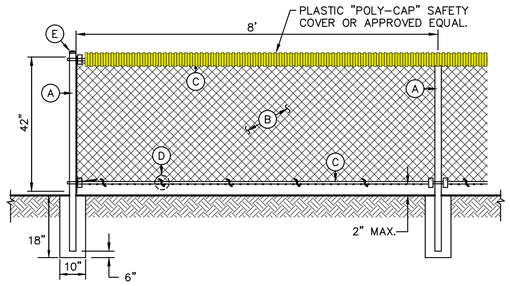
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: GRADING AND FENCING PLAN

PROJECT: BELLA VISTA HIGH SCHOOL
SITE SECURITY PROJECT
8301 MADISON AVENUE
FAIR OAKS, CA 95628

SHEET NO.
C2.2

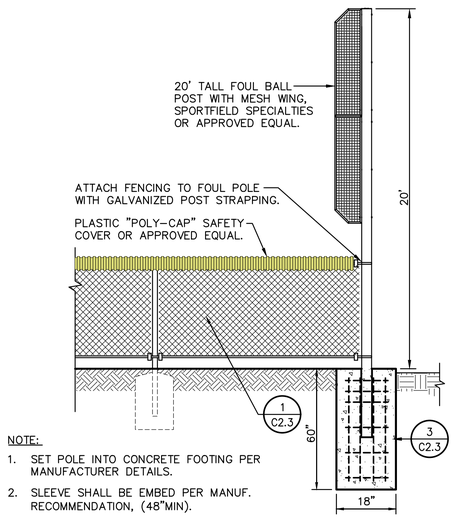
FILENAME:I:\24-142\CIVIL\DWG\24-142-C21-C23.DWG PLOTTED:Monday, February 10, 2025



A – 2" OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK.
B – 9 GA. CHAIN LINK FENCE. BLACK VINYL.
C – 1-5/8" OD SCH. 40 GALV. STEEL RAIL, POWDER COATED BLACK.
D – 12 GA. ALUMINUM TIES AT 15" OC HORIZ. AND VERT.
E – ALL CAPS AND FITTINGS HEAVY INDUSTRIAL GALV. GRADE, POWDER COATED BLACK.

1 / C2.3 OUTFIELD CHAIN LINK FENCE

NO SCALE

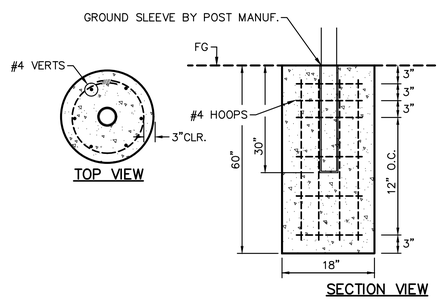


NOTE:

1. SET POLE INTO CONCRETE FOOTING PER MANUFACTURER DETAILS.
2. SLEEVE SHALL BE EMBED PER MANUF. RECOMMENDATION, (48"MIN).

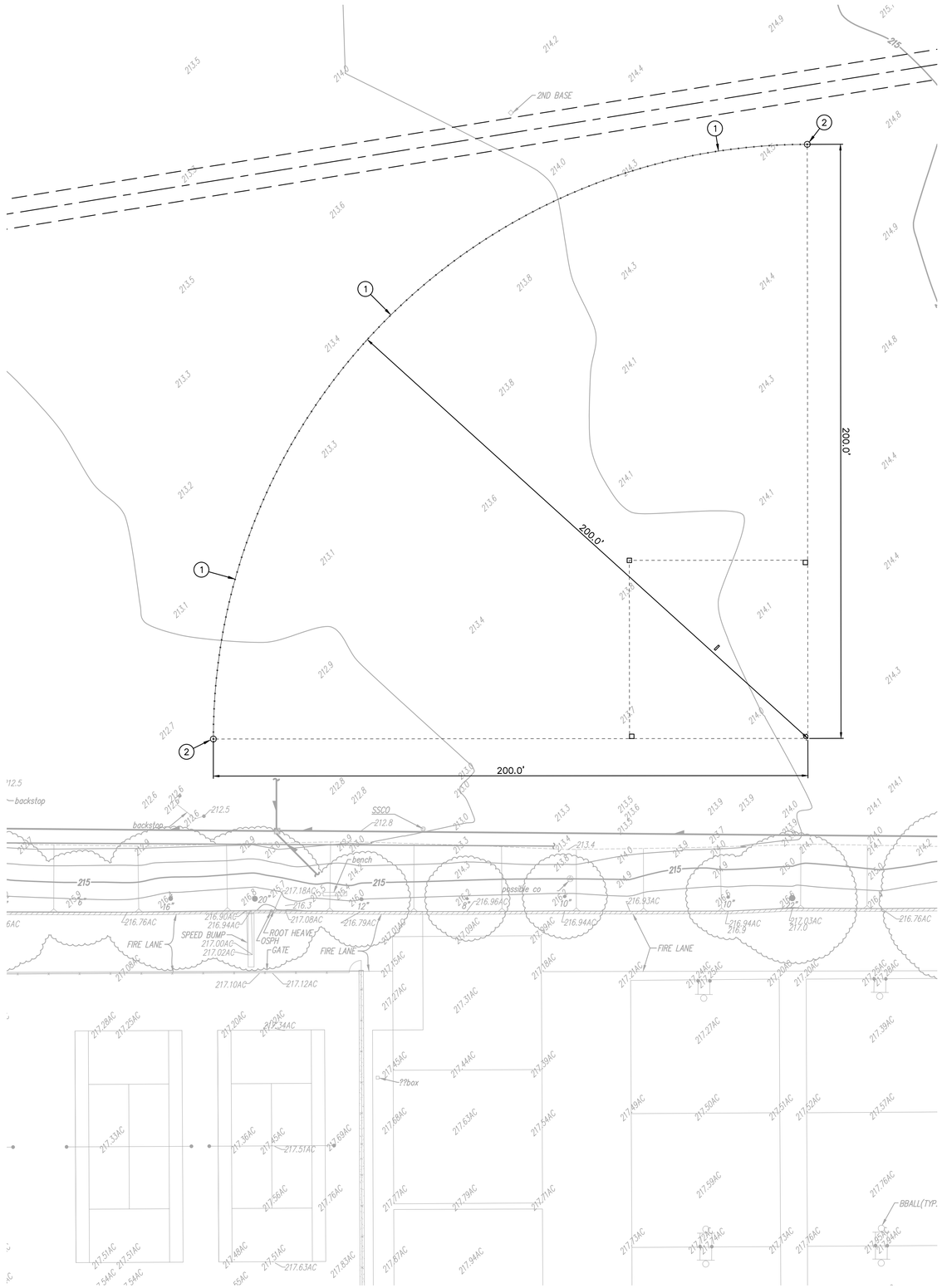
2 / C2.3 FOUL POLE

NO SCALE



3 / C2.3 FOUL POLE FOOTING

NO SCALE



CONSTRUCTION NOTES

1. CONSTRUCT 42" TALL CHAIN LINK FENCING WITH POLY SAFETY COVER TOP PER THE DETAIL PROVIDED. (1 / C2.3)
2. CONSTRUCT 20' FOUL BALL POLE AND FOOTING PER THE DETAIL PROVIDED, SPORTFIELD SPECIALTIES FP630 OR APPROVED EQUAL. (2 / C2.3, 3 / C2.3)

NOTES:

1. COVER LAWN PRIOR TO CORING POST HOLES SO EXCESS SOIL CAN CLEANLY BE REMOVED FROM LAWN.
2. LOCATE SPRINKLER HEADS PRIOR TO CORING. REPAIR ANY BROKEN PIPES DURING CORING PROCESS.

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

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HORIZONTAL SCALE: AS NOTED

VERTICAL SCALE: N/A

JOB NO: 24-142

DESIGNED BY: AT

CHECKED BY: AT

DATE: 02-10-2025

REVISIONS NO.	DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA

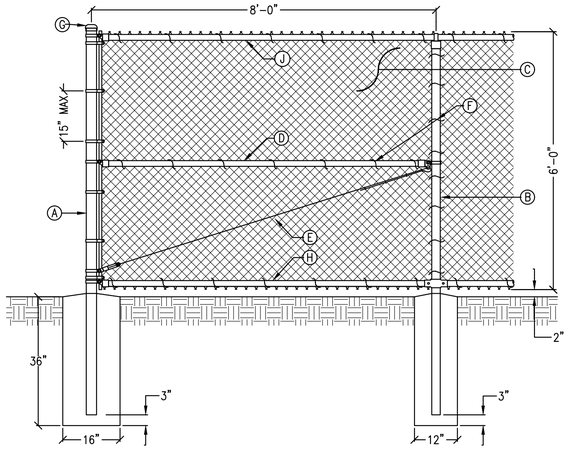
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: SOFTBALL FIELD FENCE

PROJECT: BELLA VISTA HIGH SCHOOL SITE SECURITY PROJECT
8301 MADISON AVENUE
FAIR OAKS, CA 95628

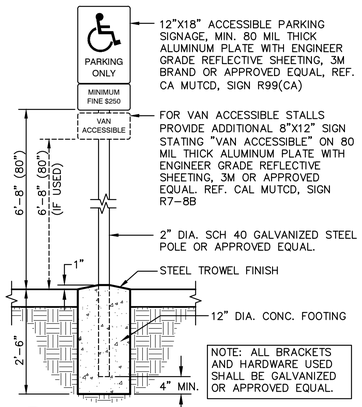
SHEET NO.
C2.3

FILENAME:I:\24-142\CIVIL\DWG\24-142-C21-C23.DWG PLOTTED:Monday, February 10, 2025

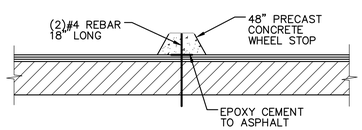


Ⓐ – 2-7/8" OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK.
Ⓑ – 2-3/8" OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK.
Ⓒ – 9 GA. CHAIN LINK FENCE. BLACK VINYL OR GALV.
Ⓓ – 1-5/8" OD SCH. 40 GALV. STEEL RAIL, POWDER COATED BLACK WHERE REQ/D. AT TERMINAL AND CORNER POSTS.
Ⓔ – 3/8" OD ADJUSTABLE INDUSTRIAL GALV. TRUSS ROD WITH TRUSS ROD TIGHTENER. 18" MINIMUM TAIL AND SECURE WITH 9 GA. GALV. STEEL, BLACK VINYL COATED HOG RINGS..
Ⓕ – 9 GA. GALV. STEEL, BLACK VINYL COATED . TIES AT 15" MAX. OC HORIZONAL AND 12" MAX. VERTICAL CLOSED EYE ENDS.
Ⓖ – ALL CAPS AND FITTINGS HEAVY INDUSTRIAL GALV. GRADE. POWDER COATED BLACK
Ⓗ – 1-5/8" OD SCH. 40 GALV. STEEL BOTTOM RAIL. POWDER COATED BLACK
Ⓙ – 1-5/8" OD SCH. 40 GALV. STEEL TOP RAIL, POWDER COATED BLACK

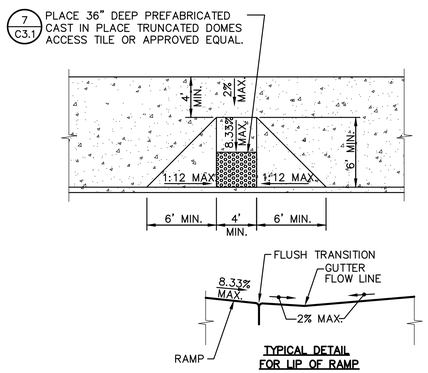
9 C3.1 6' TALL CHAIN LINK FENCING
NO SCALE



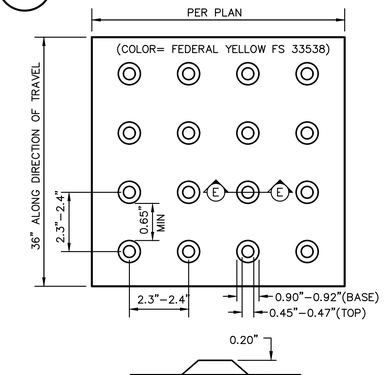
10 C3.1 PARKING SIGNAGE
ACCESSIBLE STALLS (CALIFORNIA ONLY) NO SCALE



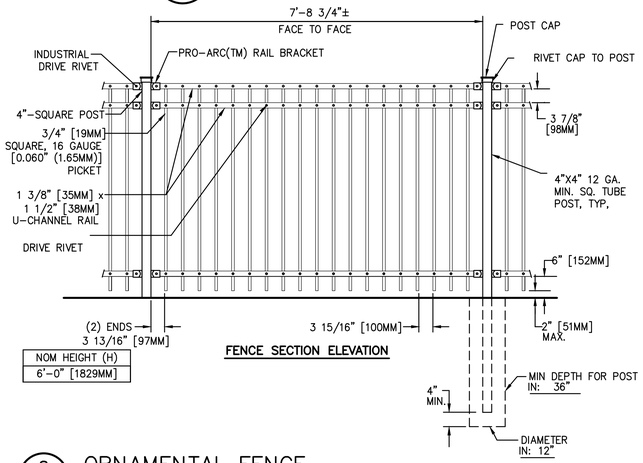
11 C3.1 CONCRETE WHEEL STOP
NO SCALE



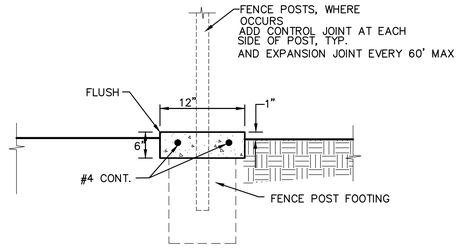
6 C3.1 ACCESSIBLE RAMP
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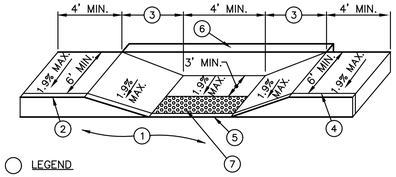
7 C3.1 TRUNCATED DOMES
NO SCALE



8 C3.1 ORNAMENTAL FENCE
NO SCALE

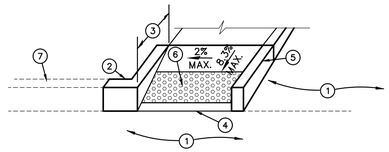


3 C3.1 12" WIDE CONCRETE BAND
NO SCALE



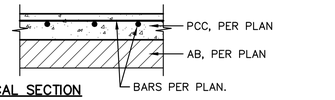
◯ LEGEND
1. PAVEMENT.
2. TOP FACE OF CURB, STANDARD 6" HIGH.
3. 8.3% (1:12) MAXIMUM SLOPE.
4. SCORE MARK, 6" BACK OF CURB.
5. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-503.
6. 6" WIDE RETAINING CURB OR 12" MOW STRIP, PER PLAN. HEIGHT TO BE DETERMINED BY PROJECTED BACK OF WALK GRADE AT EACH END OF CURB RETURN AND BACK OF LANDING SURFACE.
7. PLACE 36" WIDE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE BY ARMOR-TILE OR APPROVED EQUAL. (7 C3.1)

4 C3.1 ACCESSIBLE RAMP
NO SCALE

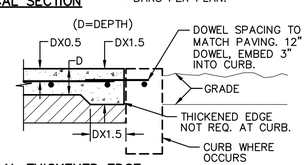


◯ LEGEND
1. PAVEMENT.
2. TOP FACE OF CURB, STANDARD 6" HIGH.
3. 8.3% (1:12) MAXIMUM SLOPE.
4. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-406.5.8.
5. 6" WIDE RETAINING CURB, HEIGHT TO BE DETERMINED BY PROJECTED BACK OF WALK GRADE AT EACH END OF CURB RETURN AND BACK OF LANDING SURFACE.
6. PLACE 36" DEEP PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE BY ARMOR-TILE OR APPROVED EQUAL. (7 C3.1)
7. EXISTING CURB.

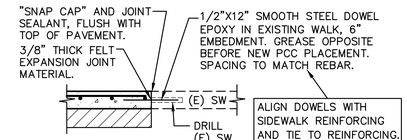
5 C3.1 ACCESSIBLE RAMP
NO SCALE



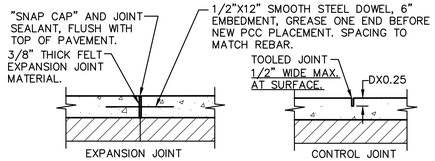
TYPICAL SECTION



TYPICAL THICKENED EDGE



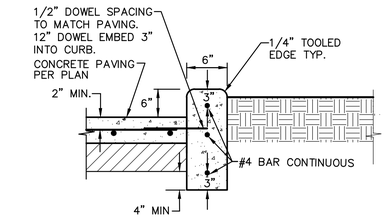
CONNECTION TO (E) CONCRETE



TYPICAL JOINTS

NOTES:
1. PROVIDE FELT EXPANSION JOINTS AT 18 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
2. PROVIDE CONTROL JOINTS AT 6 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

1 C3.1 CONCRETE SIDEWALK
NO SCALE



NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. MAXIMUM PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAXIMUM, EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

2 C3.1 CONCRETE CURB
NO SCALE

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BENCHMARK NO. 14-77
ELEV. 216.26

FOUND 2" BRASS DISC STAMPED "SACRAMENTO CO. DEPT. OF PUBLIC WORKS CO. B.M. 14-77" LOCATED IN TOP OF SOUTHWEST CORNER OF CONCRETE BASE OF TRAFFIC SIGNAL STANDARD WEST SIDE OF EAST ENTRANCE TO BELLA VISTA HIGH SCHOOL NEAR WEST END OF CURB RETURN AT THE NORTHWEST CORNER OF MADISON AVE. & BUENA VISTA AVE.

HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
JOB NO:	24-142
DESIGNED BY:	AT
CHECKED BY:	AT
DATE:	02-10-2025

REVISIONS NO.	DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA

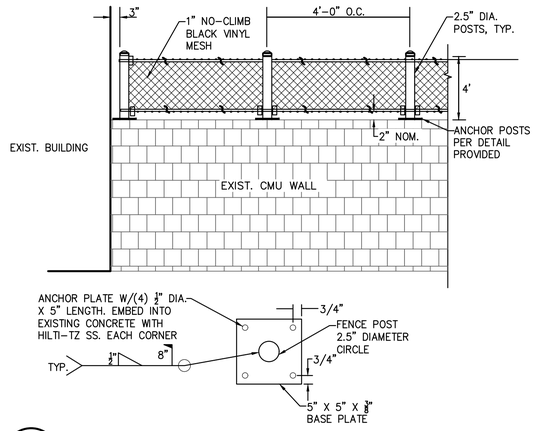
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: DETAILS AND SECTIONS

PROJECT: BELLA VISTA HIGH SCHOOL SITE SECURITY PROJECT
8301 MADISON AVENUE
FAIR OAKS, CA 95628

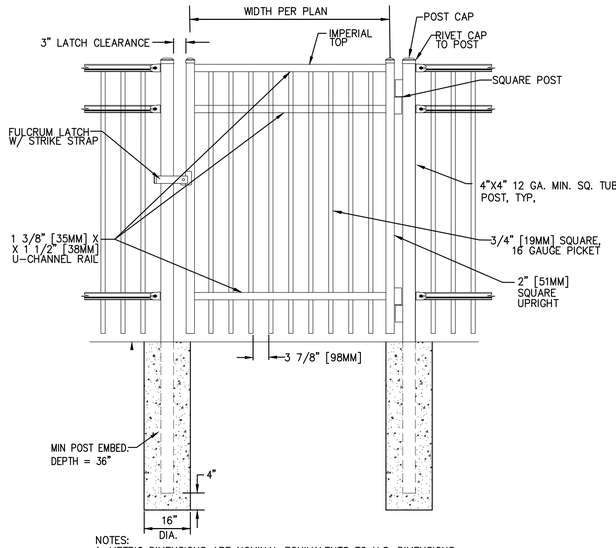
SHEET NO.
C3.1

FILENAME:I:\24-142\CIVIL\DWG\24-142-C31-C33.DWG PLOTTED:Monday, February 10, 2025



5 / C3.2 CHAIN LINK FENCE ON EXISTING WALL

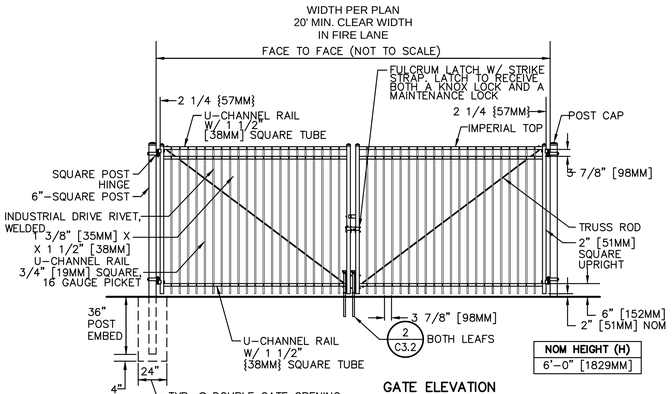
NO SCALE



NOTES:
1. METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
2. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.
3. FOOTING WIDTH TO BE (4)X POST WIDTH. MINIMUM DEPTH 36" [914MM]
4. SEE PANEL & POST SELECTION SHEET FOR AVAILABLE POST SIZES.

3 / C3.2 NON-ACCESSIBLE MANGATE

NO SCALE

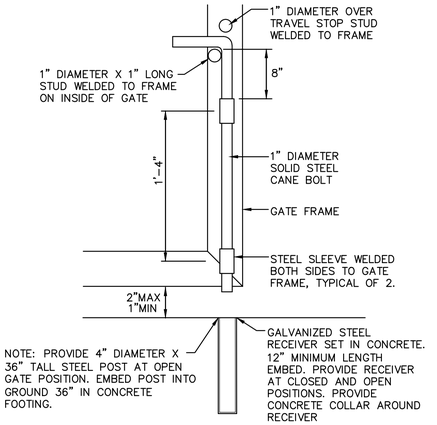


GATE ELEVATION

NOTES:
1. METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
2. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.
3. FOOTING WIDTH TO BE (4)X POST WIDTH. MINIMUM DEPTH 36" [914MM]

1 / C3.2 TYPICAL ORNAMENTAL VEHICULAR ACCESS GATE

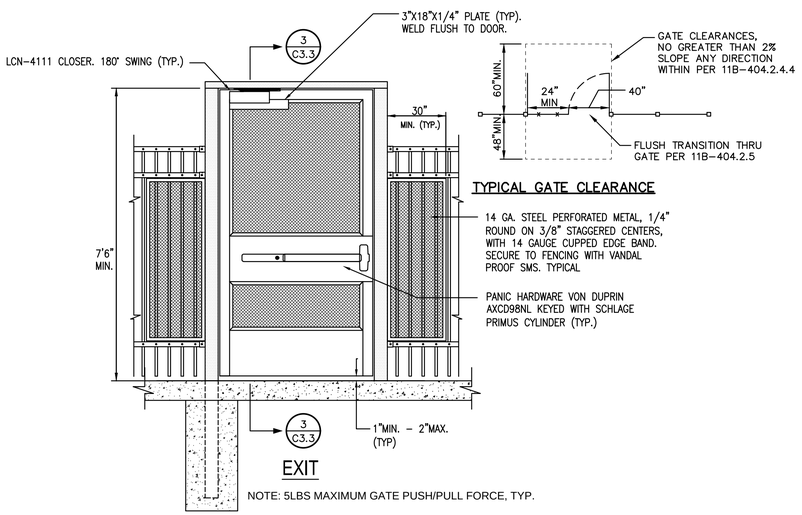
MAINTENANCE AND FIRE ACCESS ONLY, NON-ACCESSIBLE — NO SCALE



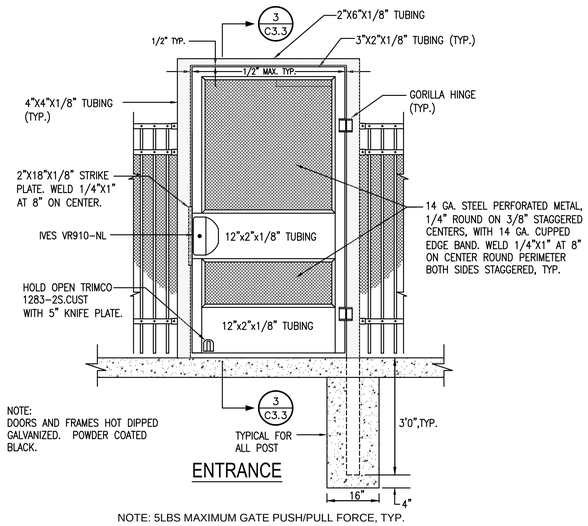
NOTE: PROVIDE 4" DIAMETER X 36" TALL STEEL POST AT OPEN GATE POSITION. EMBED POST INTO GROUND 36" IN CONCRETE FOOTING.

2 / C3.2 CANE BOLT DETAIL

NO SCALE



NOTE: 5LBS MAXIMUM GATE PUSH/PULL FORCE, TYP.



NOTE: 5LBS MAXIMUM GATE PUSH/PULL FORCE, TYP.

4 / C3.2 TYPICAL ORNAMENTAL ACCESSIBLE GATE - SINGLE

NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123111 INC:
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑
DATE: 02/19/2025

A.P.N.	249-0020-002

BENCHMARK NO. 14-77
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HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
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DATE:	02-10-2025

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NO. C74696
CIVIL
STATE OF CALIFORNIA

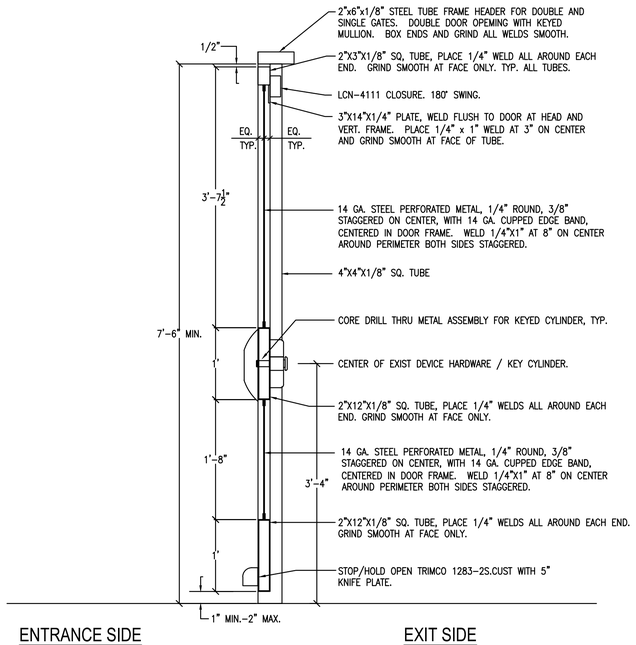
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: DETAILS AND SECTIONS

PROJECT: BELLA VISTA HIGH SCHOOL SITE SECURITY PROJECT
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FAIR OAKS, CA 95628

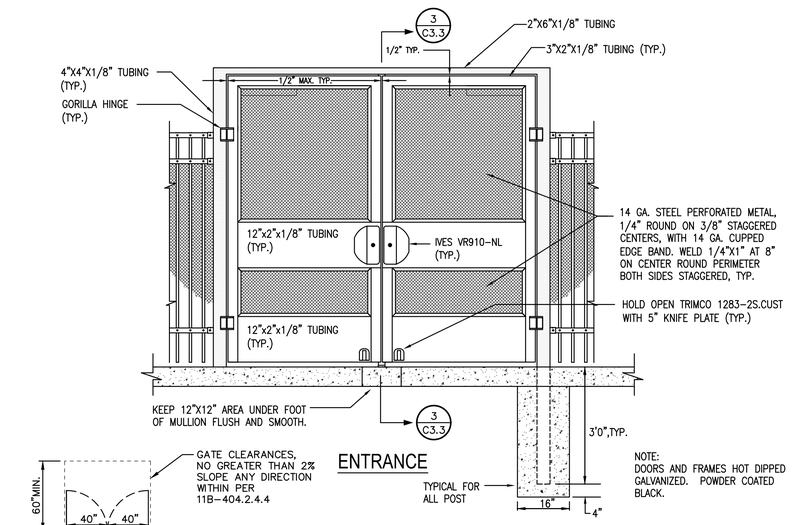
SHEET NO.
C3.2

FILENAME:I:\24-142\CIVIL\DWG\24-142-C31-C33.DWG PLOTTED:Monday, February 10, 2025

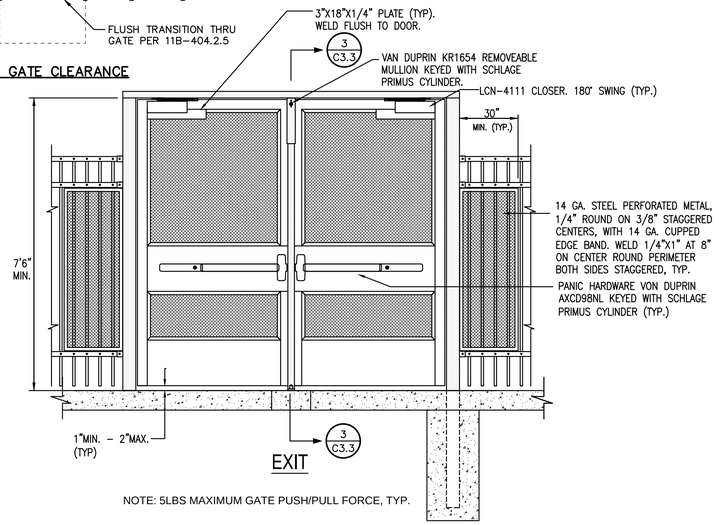


3/C3.3 SECTION; FABRICATED METAL DOOR

NO SCALE

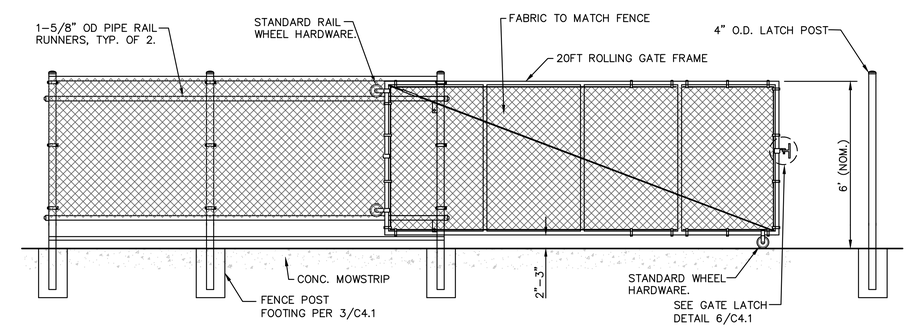


TYPICAL GATE CLEARANCE



1/C3.3 TYPICAL ORNAMENTAL ACCESSIBLE GATE – DOUBLE

NO SCALE



2/C3.3 SLIDING GATE

NO SCALE

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VERTICAL SCALE:	N/A
JOB NO:	24-142
DESIGNED BY:	AT
CHECKED BY:	AT
DATE:	02-10-2025

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NO. C74696
STATE OF CALIFORNIA

WARREN CONSULTING ENGINEERS, INC.
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TITLE: DETAILS AND SECTIONS

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SITE SECURITY PROJECT
8301 MADISON AVENUE
FAIR OAKS, CA 95628

SHEET NO.
C3.3

FILENAME:I:\24-142\CIVIL\DWG\24-142-C31-C33.DWG PLOTTED:Monday, February 10, 2025

ABBREVIATIONS:

A	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANN	ANNUNCIATOR
AP	ACCESS POINT
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BICSI	BUILDING INDUSTRY CONSTRUCTION SERVICE INTERNATIONAL
BLDG	BUILDING
C	CONDUIT
CAB	CABINET
CAT	CATEGORY
CATV	CABLE TELEVISION
CD	CANDELA
CFCI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CL	CENTER LINE
CO	CARBON MONOXIDE
DN	DOWN
(E)	EXISTING
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FTC	FIRE TERMINAL CABINET
GRC	GALVANIZED RIGID CONDUIT
G OR GB	GROUND BOX
IACP	INTRUSION ALARM CONTROL PANEL
IDF	INTERMEDIATE DISTRIBUTION FRAME
IMC	INTERMEDIATE METAL CONDUIT
J OR JB	JUNCTION BOX
MEP	MECHANICAL / ELECTRICAL / PLUMBING
MDF	MAIN DISTRIBUTION FRAME
MPOE	MINIMUM PONT OF ENTRY
(N)	NEW
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NTS	NOT TO SCALE
N/A	NOT APPLICABLE
OFE	OWNER FURNISHED EQUIPMENT
OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED/OWNER INSTALLED
OSP	OUTSIDE PLANT
PVC	POLYVINYL CHLORIDE
RCDD	REGISTERED COMMUNICATION DISTRIBUTION DESIGNER
RCWY	RACEWAY
RM	ROOM
SR	SURFACE RACEWAY
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRIGHTERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
W	WATT
WP	WEATHERPROOF

TECHNOLOGY SYMBOL LEGEND:

ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

SYMBOL	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
H	DATA RACK / CABINET	EXISTING	EXISTING	N/A
J	SURFACE MOUNTED JUNCTION BOX	AS PER PLAN		GREY = EXISTING
J / J	SURFACE MOUNTED 4-SQUARE JUNCTION BOX, WALL / CEILING	4" SQ.	N/A	GREY = EXISTING
	BACKBONE CONDUIT	EMT / GRC	3/4" & 1"	GREY = EXISTING
5400	SURFACE RACEWAY	WIREMOLD	WM5400	GREY = EXISTING
	BACKBONE CONDUIT STUB	EMT / GRC	3/4" & 1"	GREY = EXISTING
CON	IP DOOR CONTROLLER	ALGO	8063	N/A
ES	ENTRY STATION - VIDEO INTERCOM	ALGO	8039	N/A
PSU	ACCESS CONTROL POWER SUPPLY UNIT W/ BATTERY BACKUP	ALTRONIX	AL300ULPD4CB	INSTALL AT IDF LOCATION
LRM	LATCH RETRACTION MOTOR	VON DUPRIN	QEL	N/A
TEL	ADMINISTRATIVE DESK PHONE SET	MITEL	5330E	N/A
LED	OPEN INDICATOR LIGHT	DIALIGHT	622-1204-304F	N/A
SSH	STAINLESS STEEL HOUSING	PEDESTAL PRO	PORTRA-SS-8X14-E	BACK BOX FOR ALGO 8039
ADL	OPEN INDICATOR LIGHT	N/A	N/A	N/A

PROJECT CODES AND STANDARDS:

PARTIAL LIST OF APPLICABLE CODES AND STANDARDS EFFECTIVE : JANUARY 1, 2023:

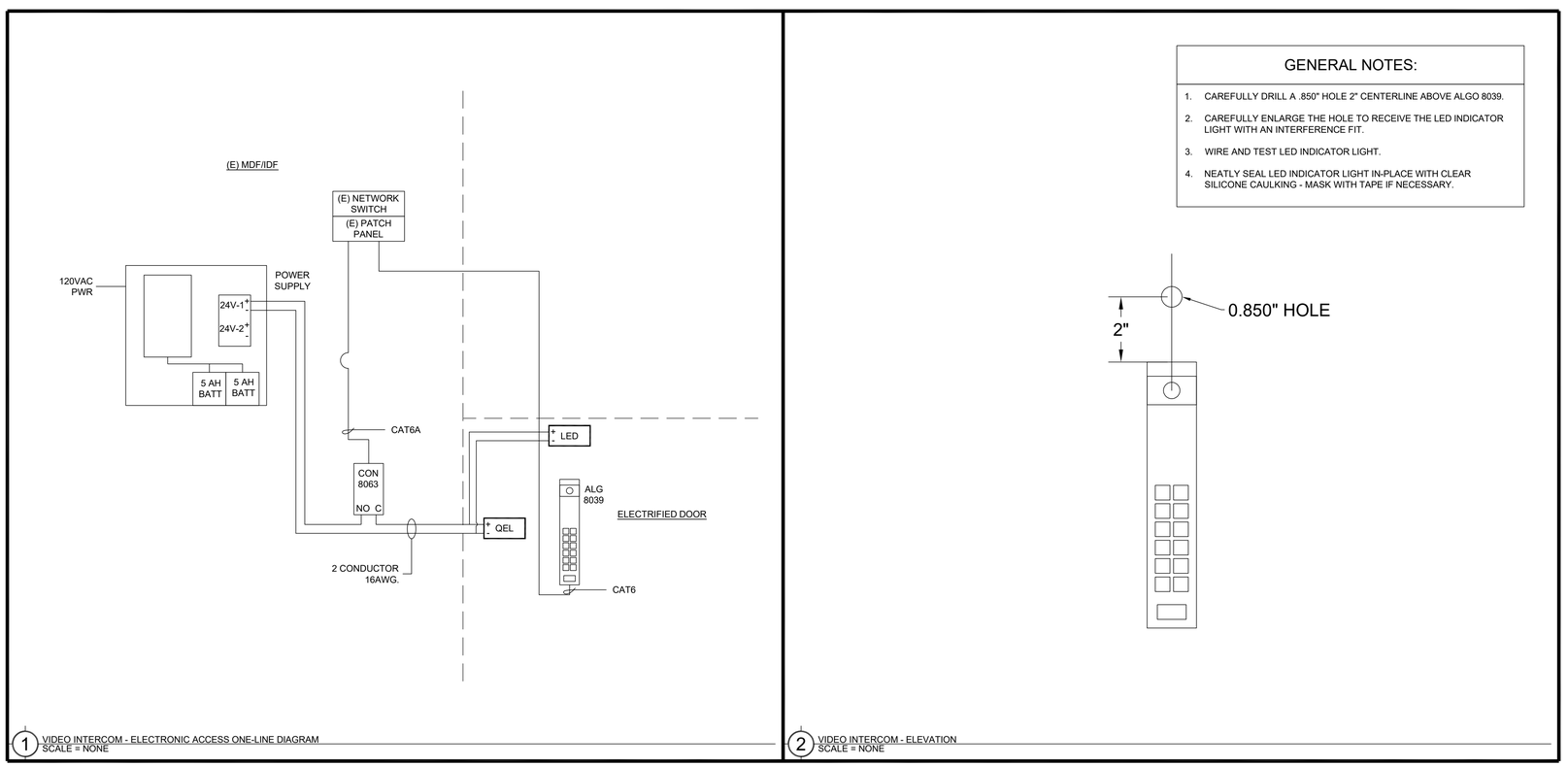
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), CCR, TITLE 24, PART 1
2022 CALIFORNIA BUILDING CODE (CBC), CCR, TITLE 24, PART 2 (2018 INTERNATIONAL BUILDING CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), CCR, TITLE 24, PART 3 (2017 NATIONAL ELECTRICAL CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA MECHANICAL CODE (CMC), CCR, TITLE 24, PART 4 (2018 UNIFORM MECHANICAL CODE, WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6
2022 CALIFORNIA FIRE CODE (CFC), CCR, TITLE 24, PART 9 (2018 INTERNATIONAL FIRE CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CCR, TITLE 24, PART 11
2022 CALIFORNIA REFERENCED STANDARDS CODE, CCR, TITLE 24, PART 12
2022 NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE, NATIONAL FIRE PROTECTION ASSOCIATION

SCOPE OF WORK:

1. PROVIDE VIDEO INTERCOM STATIONS AT THE DOOR WHERE INDICATED.
2. PROVIDE ELECTRONIC ACCESS COMPONENTS INCLUDING ELECTRONIC LATCH OR LATCH RETRACTION MOTOR, POWER SUPPLY UNITS, AND IP DOOR CONTROLLERS.
3. PROVIDE ALL WIRING, CONDUIT, PENETRATIONS, SURFACE RACEWAY, J-BOXES, AND GROUND BOXES.
4. PROVIDE OR EXTEND 120V POWER AS REQUIRED TO SERVE (N) POWER SUPPLY UNITS.
5. PROVIDE ALL NECESSARY COMPONENTS, INCLUDING COMPONENTS NOT SPECIFICALLY LISTED IN THE PLANS AND SPECIFICATIONS, FOR A COMPLETE AND FUNCTIONAL VIDEO INTERCOM AND ELECTRONIC ACCESS SYSTEM.
6. COORDINATE WITH DISTRICT FOR PROGRAMMING OF VIDEO INTERCOM(S), DOOR ACCESS CONTROLLER(S), AND (N) OFFICE PHONE FOR RING DOWN.

SHEET INDEX:

SHEET NO.	DESCRIPTION
T000	SECURITY COVER SHEET AND SINGLE LINE DIAGRAM
T200	SECURITY FLOOR PLAN
T800	SECURITY DETAILS



1 VIDEO INTERCOM - ELECTRONIC ACCESS ONE-LINE DIAGRAM
SCALE = NONE

GENERAL NOTES:

1. CAREFULLY DRILL A .850" HOLE 2" CENTERLINE ABOVE ALGO 8039.
2. CAREFULLY ENLARGE THE HOLE TO RECEIVE THE LED INDICATOR LIGHT WITH AN INTERFERENCE FIT.
3. WIRE AND TEST LED INDICATOR LIGHT.
4. NEATLY SEAL LED INDICATOR LIGHT IN-PLACE WITH CLEAR SILICONE CAULKING - MASK WITH TAPE IF NECESSARY.

2 VIDEO INTERCOM - ELEVATION
SCALE = NONE

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA
03/20/2024

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123111 INC:
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SS ☐ FLS ☑ ACS ☑
DATE: 02/19/2025

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HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: N/A
JOB NO: 24-142
DESIGNED BY: AT
CHECKED BY: AT
DATE: 01-06-25

AGENCY APPROVAL

REVISIONS NO.	DESCRIPTION	DATE	BY	DATE

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
KMM Services, Inc.
KMM SERVICES, INC
TECHNOLOGY AND FIRE LIFE SAFETY DESIGN
5433 El Camino Ave, Suite 5
Carmichael, CA 95608
Office: (916) 359-4500
www.kmmservices.com
KENNY KADSTROM
EXPIRES 12/31/2027
Regis. No.163629

WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: SECURITY COVER SHEET AND SINGLE LINE DIAGRAM

PROJECT:
BELLA VISTA HIGH SCHOOL
SITE SECURITY PROJECT
8301 MADISON AVENUE
FAIR OAKS, CA 95628

SHEET NO.
T000

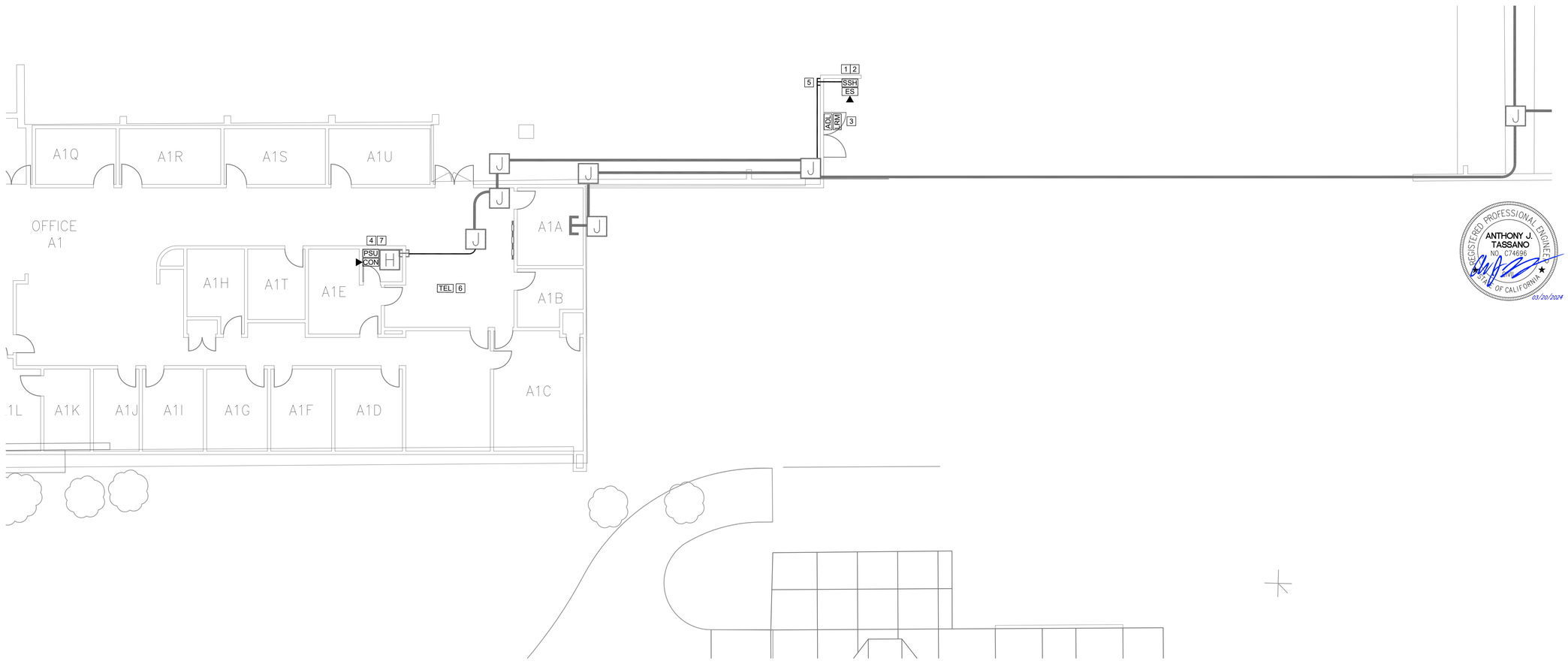
FILENAME: L:\24-902_SAN_JUANUSD_GATES2025_WCE\06A-DESIGN_ACAD\BELLA VISTA\T000 - COVER SHEET.DWG PLOTTED: Monday, February 10, 2025

PROJECT GENERAL NOTES:

1. ALL EXPOSED (N) CONDUIT AND (N) JUNCTION BOXES TO BE PRIMED AND PAINTED TO MATCH EXISTING SURROUNDINGS.

SHEET NOTES:

1. PROVIDE AND INSTALL (N) VIDEO INTERCOM FOR SITE ACCESS ON WALL OUTSIDE SWING OF DOOR WITH (N) CAT6 DATA DROP TO IDF.
2. PROVIDE AND INSTALL (N) STAINLESS STEEL ENCLOSURE AS BACK BOX FOR VIDEO INTERCOM.
3. PROVIDE AND INSTALL (N) LATCH RETRACTION MOTOR AT (E) PANIC HARDWARE. CABLE TO (N) DOOR ACCESS CONTROLLER IN IDF VIA (N) ARMORED DOOR LOOP.
4. PROVIDE AND INSTALL (N) ACCESS CONTROL POWER SUPPLY UNIT.
5. PROVIDE AND INSTALL (N) 1 EA. 1" CONDUIT WITH (N) PENETRATION THROUGH WALL TO (E) JUNCTION BOX. WATERPROOF ALL PENETRATIONS.
6. COORDINATE WITH DISTRICT FOR PROGRAMMING OF VIDEO INTERCOM(S), DOOR ACCESS CONTROLLER(S), AND (N) OFFICE PHONE FOR RING DOWN.
7. PROVIDE AND INSTALL (N) IP DOOR CONTROLLER IN IDF WITH (N) CAT6 DATA DROP.



REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA
03/20/2024

SECURITY FLOOR PLAN

SCALE: 1/8"=1'

0 4 8 12 16

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REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
KMM Electrical Inc.
KMM SERVICES, INC
TECHNOLOGY AND FIRE LIFE SAFETY DESIGN
5433 El Camino Ave, Suite 5
Carmichael, CA 95608
Office: (916) 359-4000
www.kmmservices.com
ANTHONY KASATROM
Signature
Expires 12/31/2027
Regis. No.163629

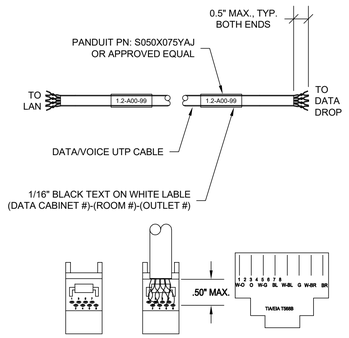
WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: SECURITY FLOOR PLAN

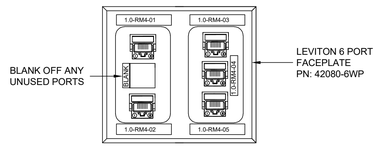
PROJECT: BELLA VISTA HIGH SCHOOL
SITE SECURITY PROJECT
8301 MADISON AVENUE
FAIR OAKS, CA 95628

SHEET NO.
T200

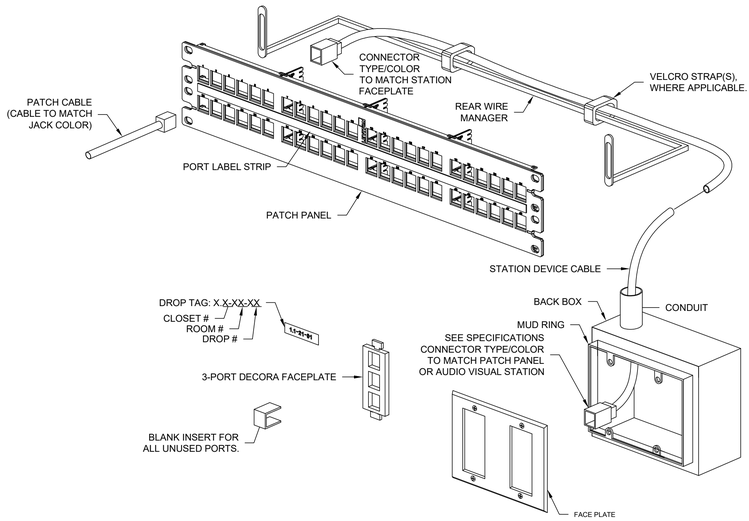
FILENAME:L:\24-902_SAN_JUANUSD_GATES2025_WCE\06A-DESIGN_ACAD\BELLA VISTA\T200 - FLOOR PLAN.DWG PLOTTED:Monday, February 10, 2025



DATA/VOICE CABLE LABELING DETAIL - AT JACK AND PATCH PANEL

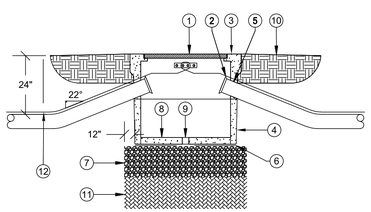


DATA/ VOICE BACKBOX AND FACE PLATE DETAIL



8 PATCH PANEL CONNECTION DETAIL - 2RU
SCALE: NONE

1. LID PER, TYPE PER GROUND BOX DETAIL
2. BELL ENDS TYP.
3. PRE CAST REINFORCED CONCRETE BOX, SIZE PER PLANS
4. PRE CAST REINFORCED CONCRETE EXTENSIONS AS REQUIRED
5. SEAL AROUND CONDUIT, BOX & JUNCTION OF EXTENSION(S) WITH MORTAR
6. VAPOR RETARDER
7. 12" CRUSHED ROCK
8. REINFORCED CONCRETE BOTTOM
9. 1" DRAIN HOLE
10. FINISHED GRADE, SLOPE 1/8" OVER 12" EXTEND 4'-0"
11. COMPACTED SOIL
12. 10 AWG WIRE OR METAL TRACING TAPE PLACED ON TOP OF CONDUITS AND CONTINUOUS THROUGH OUT ENTIRE TRENCH LENGTH AND TERMINATING ON RISER UNISTRUT OR GROUNDING BAR IN GROUNDBOX



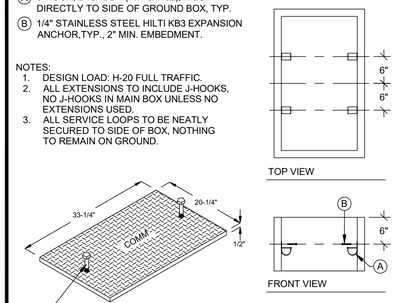
NOTE:
1. ALL SERVICE LOOPS AND PULL STRINGS TO BE SECURELY AND NEATLY ATTACHED TO WALLS OF GROUND BOX AS PER DETAIL 7/1.T-501.

7 GROUND PULL BOX DETAIL
SCALE: NONE

A J-HOOK, 2" CADDY (P/N CAT32), MOUNT DIRECTLY TO SIDE OF GROUND BOX, TYP.

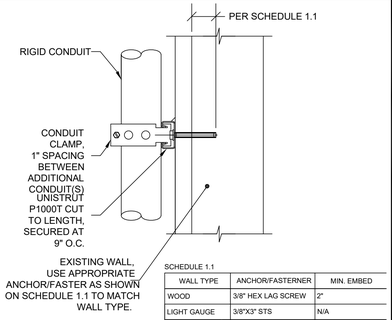
B 1/4" STAINLESS STEEL HILTI KB3 EXPANSION ANCHOR,TYP., 2" MIN. EMBEDMENT.

NOTES:
1. DESIGN LOAD: H-20 FULL TRAFFIC.
2. ALL EXTENSIONS TO INCLUDE J-HOOKS, NO J-HOOKS IN MAIN BOX UNLESS NO EXTENSIONS USED.
3. ALL SERVICE LOOPS TO BE NEATLY SECURED TO SIDE OF BOX, NOTHING TO REMAIN ON GROUND.



CATALOG NUMBER	PRODUCT	DESCRIPTION
CHRISTY B1730 1000295	IN GROUND ENCLOSURE	REINFORCED CONCRETE W/ STEEL FRAME
CHRISTY B1730 1000300	EXTENSION	REINFORCED CONCRETE
CHRISTY B1730 2001830	COVER	STEEL CHECKER PLATE (H20 HEAVY DUTY)

6 GROUND BOX DETAIL - (17"X30" INTERNAL)
SCALE: NONE

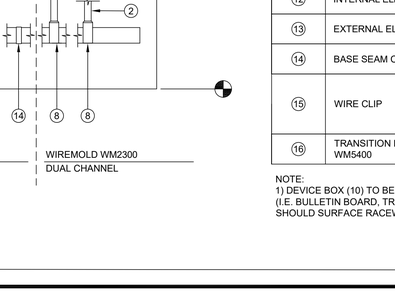


SCHEDULE 1.1

WALL TYPE	ANCHOR/FASTERNER	MIN. EMBED
WOOD	3/8" HEX LAG SCREW	2"
LIGHT GAUGE	3/8"X3" STS	N/A
CMU/MASONRY*	1/4"	11/2"

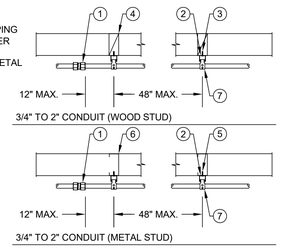
* HILTI KB TZ EXPANSION ANCHOR, LENGTH AS REQUIRED FOR MINIMUM EMBEDMENT

5 CONDUIT SUPPORT DETAIL - VERTICAL
SCALE = NONE



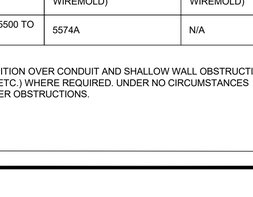
4 VIDEO / INTERCOM / ELEC. ACCESS CONTROL IN CENTER MULLION DETAIL
SCALE = NONE

1. WEATHERPROOF COUPLING DEVICE BOX OR JUNCTION, TYP.
2. UNISTRUT P1000T, TYP.
3. 1/4"X1-1/2" WOOD SCREW W/ HEX HEAD AND WASHER
4. 2X FULL DEPTH WOOD BLK'G
5. #14X2" SELF TAPPING SCREW W/ WASHER
6. 2X FULL DEPTH METAL STUD BLK'G
7. UNISTRUT UNIVERSAL PIPE CLAMP FOR 1/2" TO 2" CONDUIT:
   - 1/2" - P1211 (16 GA)
   - 3/4" - P1212 (16 GA)
   - 1" - P1213 (16 GA)
   - 1 1/4" - P1214 (14 GA)
   - 1 1/2" - P1215 (14 GA)
   - 2" - P1217 (14 GA)

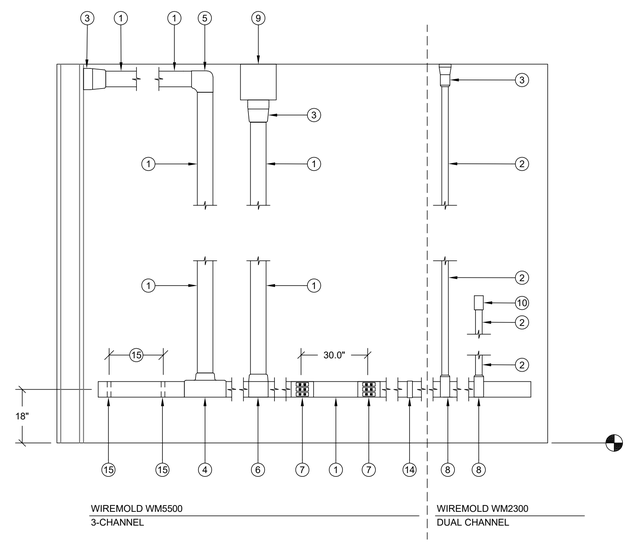


3 CONDUIT STRAP SPACING DETAIL
SCALE = NONE

1. PLASTIC WARNING TAPE
2. LAST 12" AB MATERIAL AT 95% COMPACTION FOR ASPHALT AND CONCRETE, 90% FOR PLANTED AREAS
3. 10 AWG WIRE OR METAL TRACING TAPE PLACED ON TOP OF CONDUITS AND CONTINUOUS THROUGHOUT ENTIRE TRENCH LENGTH AND TERMINATING ON RISER UNISTRUT OR GROUNDING BAR IN GROUND BOX.
4. BOTTOM AND MIDDLE PLASTIC SPACERS EVERY 5'-0" SHALL BE USED WHERE CONDUITS HAVE TO BE STACKED ON TOP OF ONE ANOTHER DUE TO SPACE LIMITATIONS.
5. SAND AT 90% COMPACTION
6. SIGNAL SYSTEMS CONDUITS



2 TRENCH DETAIL
SCALE: NONE



WIREMOLD WM5500
3-CHANNEL

WIREMOLD WM2300
DUAL CHANNEL

1 TYPICAL SURFACE MOUNTED RACEWAY W/ ASSEMBLY COMPONENTS DETAIL
SCALE: NONE

WIREMOLD SURFACE RACEWAY			
SYMBOL	DESCRIPTION	WM5500 PART NUMBER	WM2300 PART NUMBER
1	WIREMOLD WM5500	5500	N/A
2	WIREMOLD WM2300	N/A	2300
3	ENTRANCE END FITTING	5510D	2310A
4	FULL CAPACITY TEE (FIBER READY)	N/A	N/A
5	FULL CAPACITY FLAT ELBOW 90°	5511F0	2311DFO
6	TEE	5515	2315
7	DEVICE BRACKET W/ DUAL RJ FACEPLATE, DUPLEX FACEPLATE OR BLACK FACEPLATE AS NEEDED	5550 / 5507FRJ / 5507D / 5507B	5474 / 5574
8	TRANSITION FITTING FOR WM2300	5574	2348
9	WALL MOUNTED PULL BOX SIZE AS NOTED PER PLAN	N/A	2300
10	DEVICE BOX	N/A	2348
11	END CAP	5510	2310B
12	INTERNAL ELBOW	5517FO	2317DFO
13	EXTERNAL ELBOW	5518FO	2318DFO
14	BASE SEAM COVER	5506	2306
15	WIRE CLIP	5500WC (INSTALL CLIPS AT 48" O.C. ENTIRE LENGTH OF WIREMOLD)	2300WC (INSTALL CLIPS AT 48" O.C. ENTIRE LENGTH OF WIREMOLD)
16	TRANSITION FITTING FOR WM5500 TO WM5400	5574A	N/A

NOTE:
1) DEVICE BOX (10) TO BE USED TO TRANSITION OVER CONDUIT AND SHALLOW WALL OBSTRUCTIONS (I.E. BULLETIN BOARD, TRIM, CASEWORK, ETC.) WHERE REQUIRED. UNDER NO CIRCUMSTANCES SHOULD SURFACE RACEWAY BE BENT OVER OBSTRUCTIONS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123111 INC:
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑
DATE: 02/19/2025

A.P.N. 249-0020-002

BENCHMARK NO. 14-77
ELEV. 216.26

FOUND 2" BRASS DISC STAMPED "SACRAMENTO CO. DEPT. OF PUBLIC WORKS CO. B.M. 14-77" LOCATED IN TOP OF SOUTHWEST CORNER OF CONCRETE BASE OF TRAFFIC SIGNAL STANDARD WEST SIDE OF EAST ENTRANCE TO BELLA VISTA HIGH SCHOOL NEAR WEST END OF CURB RETURN AT THE NORTHWEST CORNER OF MADISON AVE. & BUENA VISTA AVE.

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: N/A
JOB NO: 24-142
DESIGNED BY: AT
CHECKED BY: AT
DATE: 01-06-25

AGENCY APPROVAL

REVISIONS NO.	DESCRIPTION	DATE	BY	DATE

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA
03/20/2024

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
ANTHONY J. TASSANO
EXPIRES 12/31/2027
Regis. No.163629

KMM Electronics
KMM SERVICES, INC
TECHNOLOGY AND FIRE LIFE SAFETY DESIGN
3433 El Camino Ave, Suite 5
Carmichael, CA 95608
Office: (916) 339-4900
www.kmmservices.com
KENNY KADSTROM

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: SECURITY DETAILS

PROJECT: BELLA VISTA HIGH SCHOOL SITE SECURITY PROJECT
8301 MADISON AVENUE
FAIR OAKS, CA 95628

SHEET NO.
T800

FILENAME: L:\24-902_SAN_JUAN\USD_GATES2025_WCE\06A-DESIGN_ACAD\BELLA VISTA\T800 - DETAILS.DWG PLOTTED:Monday, February 10, 2025