JAMES MARSHALL ELEMENTARY SCHOOL
FENCING PROJECT

9525 GOETHE ROAD
SACRAMENTO, CA 95827

Sacramento City Unified School District

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124105 INC:
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑
DATE: 4/08/2026

A.P.N.	068-0011-102

BENCHMARK NO. 22-097
ELEV. 70.13

2"BRASS DISC STAMPED "SAC. CO. DEPT. PUBLIC WORKS BM 22-97" LOCATED IN THE SE CORNER OF SIGNAL STD.

HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
JOB NO:	25-161
DESIGNED BY:	AT
DRAWN BY:	KP
CHECKED BY:	AT
DATE:	04-08-2026

ABBREVIATIONS

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

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

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
- SAVE — 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



PROJECT LOCATION
9525 GOETHE ROAD
SACRAMENTO, CA 95827

NORTH

SITE MAP

NO SCALE



APPROX. CAMPUS BOUNDARY

NORTH

APPLICABLE CODES & STANDARDS

2025 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR*

2025 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
(2021 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2022 CALIFORNIA AMENDMENTS)

2025 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
(2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)

2025 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
(2021 IAPMO UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)

2025 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR

2025 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
(2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)

2025 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

2025 CALIFORNIA ENERGY CODE (CGC), Part 11, Title 24 CCR.

PROJECT NARRATIVE

REMOVAL AND REPLACEMENT OF EXISTING SITE FENCING, ACCESSIBLE GATES AND MISC. SITE CONCRETE. REPLACEMENT OF ACCESSIBLE PARKING STALLS.

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. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

DEFERRED APPROVALS

N/A

STATEMENTS:

ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, **AND THE WRITTEN SITE FIRE SAFETY PLAN.**

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.

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

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 MATERIALS, 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.

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
C0.1	TOPOGRAPHIC SURVEY
C0.2	UTILITY SURVEY
C1.0.1	SITE ACCESS PLAN
C1.0.2	FIRE ACCESS PLAN
C1.1	DEMOLITION PLAN
C2.1	GRADING, PAVING AND FENCING PLAN
C3.1	STRIPING AND SIGNAGE PLAN
C4.1	DETAILS AND SECTIONS
C4.2	DETAILS AND SECTIONS
C4.3	DETAILS AND SECTIONS
TECHNOLOGY	
T000	COVER SHEET
T200	TECHNOLOGY FLOOR PLAN
T800	TECHNOLOGY DETAILS

OWNER/USER

OWNER: SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
5735 47TH AVE. SACRAMENTO, CA
95824-4528
PHONE: (916) 643-9000

DISTRICT CONTACT:
MORGAN CAPSHAW
PROJECT MANAGER
(916) 796-6538
MORGAN-CAPSHAW@SCUSD.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

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

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

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

AGENCY APPROVAL

REVISIONS NO.	DESCRIPTION	DATE	BY	DATE

TITLE: COVER SHEET

PROJECT: JAMES MARSHALL ELEMENTARY SCHOOL FENCING PROJECT
9525 GOETHE ROAD
SACRAMENTO, CA 95827

SHEET NO.
C0.0

FILENAME:I:\25-161\CIVIL\DWG\25-161-C00.DWG PLOTTED:Friday, March 20, 2026



EXISTING TOPOGRAPHY

- = PROPERTY LINE
- = CENTERLINE
- = EASEMENT
- = PROPERTY CORNER FOUND AS NOTED
- = PROPERTY CORNER NOTHING FOUND OR SET
- = TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- = SWALE OR DRAINAGE FLOW
- = DRAINAGE FLOW
- = FENCE (TYPE NOTED)
- = TREE (SIZE/TYPE INDICATED)
- = SLOPE
- = CONTOUR
- = CONCRETE SURFACE
- = EDGE OF ASPHALT
- = EDGE OF BUILDING
- = SIGN
- = POST OR BOLLARD
- = GROUND ELEVATION
- = HARD SURFACE ELEVATION

TBM LIST

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	CPS_CHISELED_"+"	4643.09	4974.13	60.34
4	CPS_CHISELED_"+"	4474.92	5094.25	61.76
7	CPS_CHISELED_"+"	4380.02	5218.24	62.05
10	CPS_CHISELED_"+"	4768.16	5407.95	63.11
15	CPS_CHISELED_"+"	4567.79	5307.75	62.28

ABBREVIATIONS

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

AC	ASPHALTIC CONCRETE
ACC	ACCESSIBLE
ACU	AIR CONDITIONING UNIT
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
APP	APPARATUS
ARV	AIR RELEASE VALVE
BBALL	BASKETBALL POLE
BCM	BRASS CAP MONUMENT
BFP	BACK FLOW PREVENTER
BL.	BLOCK
BLDG	BUILDING
BOL	BOLLARD
BOV	BLOW-OFF VALVE
BR.	BRICK
BWF	BARBED WIRE FENCE
C	COMMUNICATION
CAB	CABINET
CATV	CABLE TELEVISION
CB	COMMUNICATIONS BOX
CIP	CAPPED IRON PIPE
C/L	CENTERLINE
CLF	CHAIN LINK FENCE
CO	CLEANOUT
COL	COLUMN
CONC.	CONCRETE
COND.	CONDENSATE
CPF	CONTROL POINT FOUND
CPS	CONTROL POINT SET
CS	CONCRETE SURFACE
DF	DRINKING FOUNTAIN
DG	DECOMPOSED GRANITE
DI	DROP INLET
DRWY	DRIVEWAY
DS	DOWNSPOUT
DWG	DRAWING
E	ELECTRIC
EB	ELECTRICAL BOX
ESMT	EASEMENT
FA	FIRE ALARM
FB	FIRE BOX
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FL	FLOWLINE
FO	FIBER OPTIC
FP	FLAGPOLE
FS	FIRE SERVICE
G	GAS
GB	GRADE BREAK
GD	GARAGE DOOR
GR	GRATE
GRB	GROUND ROD BOX
GROD	GROUND ROD
GST	GATE STOP
GV	GAS VALVE
H	HYDRONICS
HB	HOSE BIBB
HBB	HOSE BIBB BOX
HBD	HEADER BOARD
HP	HIGH PRESSURE
HR	HANDRAIL
HVE	HIGH VOLTAGE ELECTRIC
HWF	HOG WIRE FENCE
IC	IN CONCRETE
ICP	IRRIGATION CONTROL PANEL
ICV	IRRIGATION CONTROL VALVE
INV	PIPE INVERT ELEVATION
IRR	IRRIGATION
JP	JOINT UTILITY POLE
JT	JOINT TRENCH
LNDG	LANDING
LVE	LOW VOLTAGE ELECTRIC
M.	METAL
MH	MANHOLE
MR	METAL RAMP
MS	MOW STRIP
MSC	METAL STORAGE CONTAINER
MU	MULTIPLE
OH	OVERHEAD
OHANG	OVERHANG
OIP	OPEN IRON PIPE
P	PINE
PA	PLANTER AREA
PB	PARKING BUMPER
PED	PEDESTAL
PH	POSTHOLE
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
PP	POWER POLE
PRI	PER RECORD INFORMATION
PUE	PUBLIC UTILITY EASEMENT
PV	PAVERS
PVC	POLYVINYL CHLORIDE
R	RUBBER
RG	ROLLING GATE
RIM	MANHOLE RIM ELEVATION
ROW	RIGHT OF WAY
RR	RUBBER RAMP
RW	RETAINING WALL
RWD	REDWOOD TREE
RWL	RAIN WATER LEADER
SB	SIGNAL BOX
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SIG	SIGNAL
SL	STREET LIGHT
SLB	STREET LIGHT BOX
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
ST	STUMP
STL.	STEEL
T	TELEPHONE
TB	TELEPHONE BOX
TBALL	TETHER BALL POLE
TBM	TEMPORARY BENCHMARK
TC	TOP OF CURB
TD	TRENCH DRAIN
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
UG	UNDERGROUND
UNK	UNKNOWN
V	VENT
VBALL	VOLLEYBALL
W	WATER
W/	WITH
WB	WATER BOX
WD	WOOD
WF	WOOD FENCE
WIF	WROUGHT IRON FENCE
WRF	WOOD RAIL FENCE
XF	TRANSFORMER
XWALK	CROSSWALK
YD	YARD DRAIN

GRAPHIC SCALE

30' 0 15' 30' 60'

(IN FEET) 1 inch = 30 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124105 INC:
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑
DATE: 4/08/2026

A.P.N.	068-0011-102

BENCHMARK NO. 22-097
ELEV. 70.13

2"BRASS DISC STAMPED "SAC. CO. DEPT. PUBLIC WORKS BM 22-97" LOCATED IN THE SE CORNER OF SIGNAL STD.

HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
JOB NO:	25-161
DESIGNED BY:	AT
DRAWN BY:	KP
CHECKED BY:	AT
DATE:	04-08-2026

AGENCY APPROVAL

DATE	BY	DATE	DESCRIPTION	NO.

REVISIONS

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

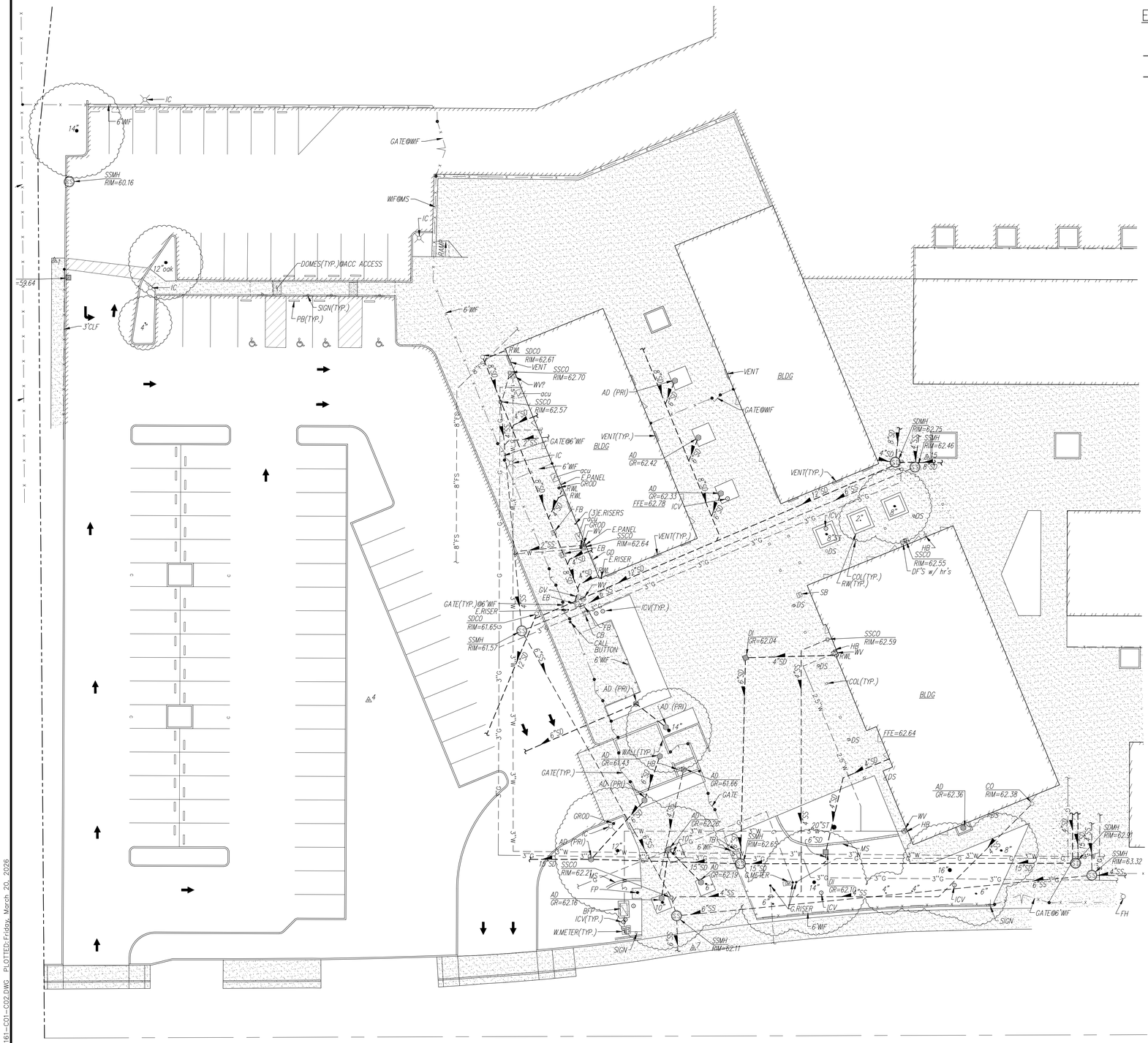
WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: TOPOGRAPHIC SURVEY

PROJECT: JAMES MARSHALL ELEMENTARY SCHOOL FENCING PROJECT
9525 GOETHE ROAD
SACRAMENTO, CA 95827

SHEET NO.
C0.1

FILENAME:I:\25-161\CIVIL\DWG\25-161-C01-C02.DWG PLOTTED:Friday, March 20, 2026



EXISTING UTILITIES

12"SD	= STORM DRAIN LINE (SIZE & DIRECTION OF FLOW)	♀	= HOSE BIBB
12"SD	= STORM DRAIN LINE (RECORD INFORMATION)	— OH–E —	= OVERHEAD ELECTRIC LINE
12"SD	= STORM DRAIN LINE (UNDERGROUND LOCATING)	—— E ——	= UNDERGROUND ELECTRIC LINE
SD	= STORM DRAIN MANHOLE	——E———	= UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
○	= STORM DRAIN CLEANOUT	— — E — —	= UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
▩	= DROP INLET	E	= ELECTRIC MANHOLE
◍	= AREA DRAIN	-○-	= UTILITY POLE (WITH GUY WIRE)
SD	= STORM DRAIN BOX	EM	= ELECTRIC METER
○ RWL	= RAIN WATER LEADER	E	= ELECTRIC BOX
○ DS	= DOWNSPOUT	F	= FIRE BOX
12"SS	= SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)	S	= SIGNAL BOX
12"SS	= SANITARY SEWER LINE (RECORD INFORMATION)	SL	= STREET LIGHTING BOX
12"SS	= SANITARY SEWER LINE (UNDERGROUND LOCATING)	TS	= TRAFFIC SIGNAL BOX
SS	= SANITARY SEWER MANHOLE	OR	= LIGHT STANDARD
◎	= SANITARY SEWER CLEANOUT		= SIGNAL LIGHT
SS	= SANITARY SEWER BOX		= FLOOD LIGHT
—w—	= WATER LINE (SIZE INDICATED)		= ELECTRICAL OUTLET
——w——	= WATER LINE (RECORD INFORMATION)	—— G ——	= GAS LINE (SIZE INDICATED)
— —w— —	= WATER LINE (UNDERGROUND LOCATING)	——G———	= GAS LINE (RECORD INFORMATION)
W	= WATER MANHOLE	— —G— —	= GAS LINE (UNDERGROUND LOCATING)
⧋	= WATER VALVE	G	= GAS MANHOLE
WM	= WATER METER	◎	= GAS VALVE
W	= WATER BOX	G	= GAS BOX
⊙	= IRRIGATION CONTROL VALVE	GM	= GAS METER
	= FIRE HYDRANT	—t—	= TELEPHONE LINE
	= BACKFLOW PREVENTER	——t———	= TELEPHONE LINE (RECORD INFORMATION)
	= SPRINKLER	— —t— —	= TELEPHONE LINE (UNDERGROUND LOCATING)
		T	= TELEPHONE MANHOLE)
		C	= COMMUNICATIONS BOX
		CA	= CABLE TELEVISION BOX
		T	= TELEPHONE BOX

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124105 INC:
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑
DATE: 4/08/2026

A.P.N.	068-0011-102

BENCHMARK NO. 22-097
ELEV. 70.13

2"BRASS DISC STAMPED "SAC. CO. DEPT. PUBLIC WORKS BM 22-97" LOCATED IN THE SE CORNER OF SIGNAL STD.

HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
JOB NO:	25-161
DESIGNED BY:	AT
DRAWN BY:	KP
CHECKED BY:	AT
DATE:	04-08-2026

REVISIONS NO.	DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

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

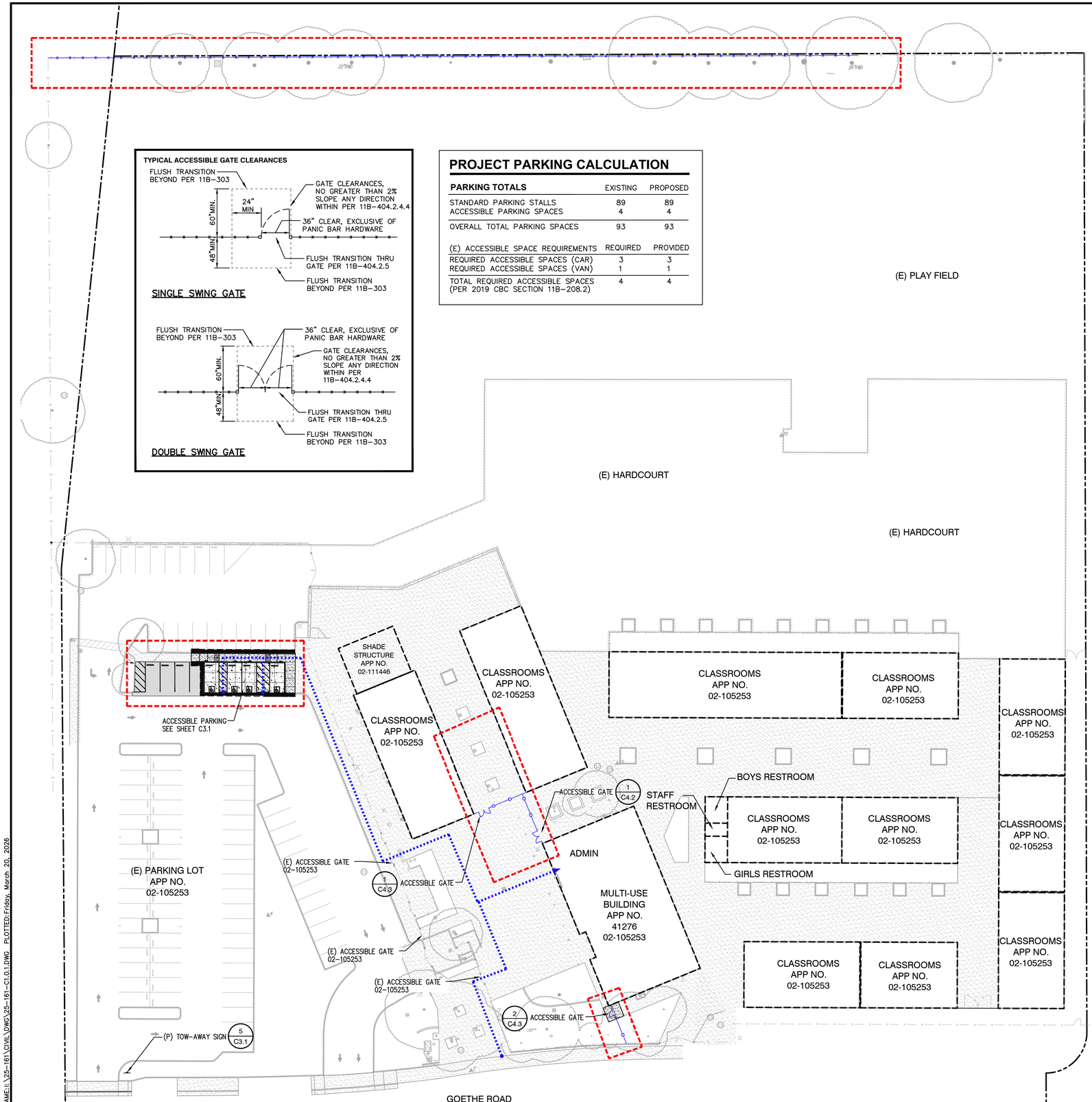
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: UTILITY SURVEY

PROJECT: JAMES MARSHALL ELEMENTARY SCHOOL FENCING PROJECT
9525 GOETHE ROAD
SACRAMENTO, CA 95827

SHEET NO.
C0.2

FILENAME:I:\25-161\CIVIL\DWG\25-161-C01-C02.DWG PLOTTED:Friday, March 20, 2026



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

GRAPHIC SCALE

30' 0 15' 30' 60'

(IN FEET) 1 inch = 30 feet

NORTH

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124105 INC:
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑
DATE: 4/08/2026

A.P.N.	068-0011-102
BENCHMARK NO.	22-097
ELEV.	70.13

2"BRASS DISC STAMPED "SAC. CO. DEPT. PUBLIC WORKS BM 22-97" LOCATED IN THE SE CORNER OF SIGNAL STD.

HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
JOB NO:	25-161
DESIGNED BY:	AT
DRAWN BY:	KP
CHECKED BY:	AT
DATE:	04-08-2026

AGENCY APPROVAL			REVISIONS		
BY	DATE		NO.	DESCRIPTION	DATE

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

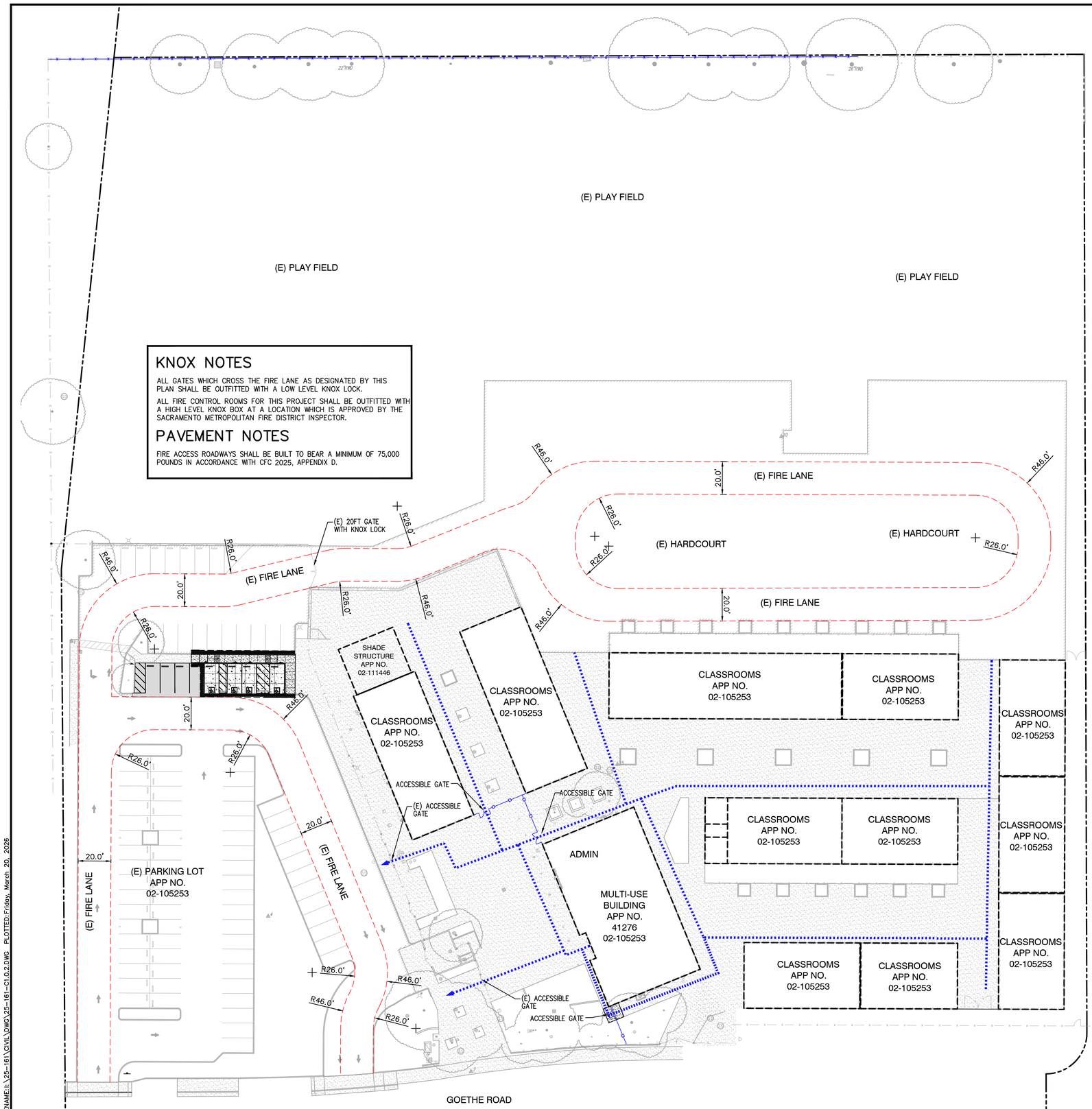
WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: SITE ACCESS PLAN

PROJECT: JAMES MARSHALL ELEMENTARY SCHOOL FENCING PROJECT
9525 GOETHE ROAD
SACRAMENTO, CA 95827

SHEET NO.
C1.0.1

FILENAME:I:\25-161\CIVIL\DWG\25-161-C1.0.1.DWG PLOTTED:Friday, March 20, 2026



FILENAME: I:\25-161\CIVIL\DWG\25-161-C1.0.2.DWG PLOTTED: Friday, March 20, 2026

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:	SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
Project Name/School:	JAMES MARSHALL ELEMENTARY SCHOOL SITE FENCING
Project Address:	9525 GOETHE RD., SACRAMENTO CA 95827

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 ☐

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 VARIANCE 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: _____

GRAPHIC SCALE
30' 0 15' 30' 60'
(IN FEET) 1 inch = 30 feet
THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124105 INC:
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DATE: 4/08/2026

A.P.N.	068-0011-102
BENCHMARK NO.	22-097
ELEV.	70.13

2"BRASS DISC STAMPED "SAC. CO. DEPT. PUBLIC WORKS BM 22-97" LOCATED IN THE SE CORNER OF SIGNAL STD.

HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
JOB NO:	25-161
DESIGNED BY:	AT
DRAWN BY:	KP
CHECKED BY:	AT
DATE:	04-08-2026

REVISIONS NO.	DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

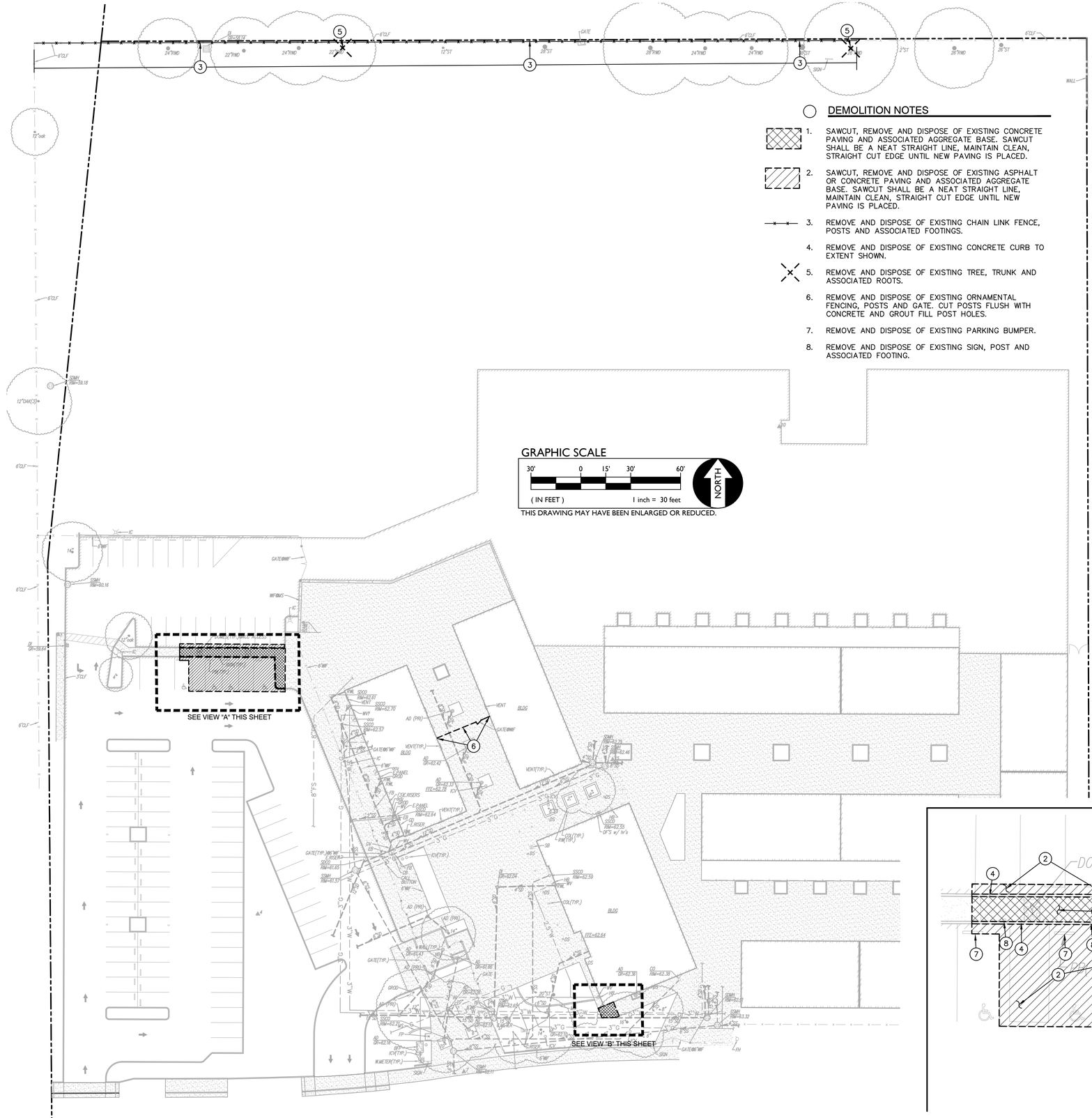
REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA

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

TITLE: FIRE ACCESS PLAN

PROJECT: JAMES MARSHALL ELEMENTARY SCHOOL FENCING PROJECT
9525 GOETHE ROAD
SACRAMENTO, CA 95827

SHEET NO.
C1.0.2

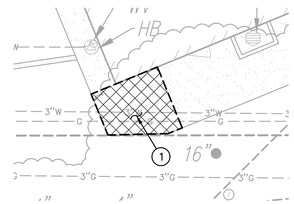


DEMOLITION NOTES

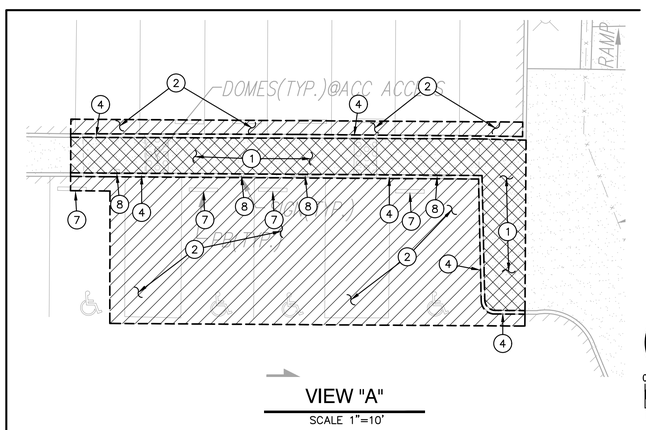
1. SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
2. SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT OR CONCRETE PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
3. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE, POSTS AND ASSOCIATED FOOTINGS.
4. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB TO EXTENT SHOWN.
5. REMOVE AND DISPOSE OF EXISTING TREE, TRUNK AND ASSOCIATED ROOTS.
6. REMOVE AND DISPOSE OF EXISTING ORNAMENTAL FENCING, POSTS AND GATE. CUT POSTS FLUSH WITH CONCRETE AND GROUT FILL POST HOLES.
7. REMOVE AND DISPOSE OF EXISTING PARKING BUMPER.
8. REMOVE AND DISPOSE OF EXISTING SIGN, POST AND ASSOCIATED FOOTING.

DEMOLITION GENERAL NOTES

1. REFER TO ARCHITECTURAL, LANDSCAPE, ELECTRICAL AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION ITEMS.
2. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
3. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
6. 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 EXTENT.
7. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
8. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
9. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.
10. SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.
11. PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.
12. 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.
13. COORDINATE REMOVAL OF LANDSCAPE ITEMS WITH LANDSCAPE PLANS.



VIEW "B"
SCALE 1"=10'



VIEW "A"
SCALE 1"=10'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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BENCHMARK NO. 22-097
ELEV. 70.13

2"BRASS DISC STAMPED "SAC. CO. DEPT. PUBLIC WORKS BM 22-97" LOCATED IN THE SE CORNER OF SIGNAL STD.

HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
JOB NO:	25-161
DESIGNED BY:	AT
DRAWN BY:	KP
CHECKED BY:	AT
DATE:	04-08-2026

REVISIONS NO.	DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

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

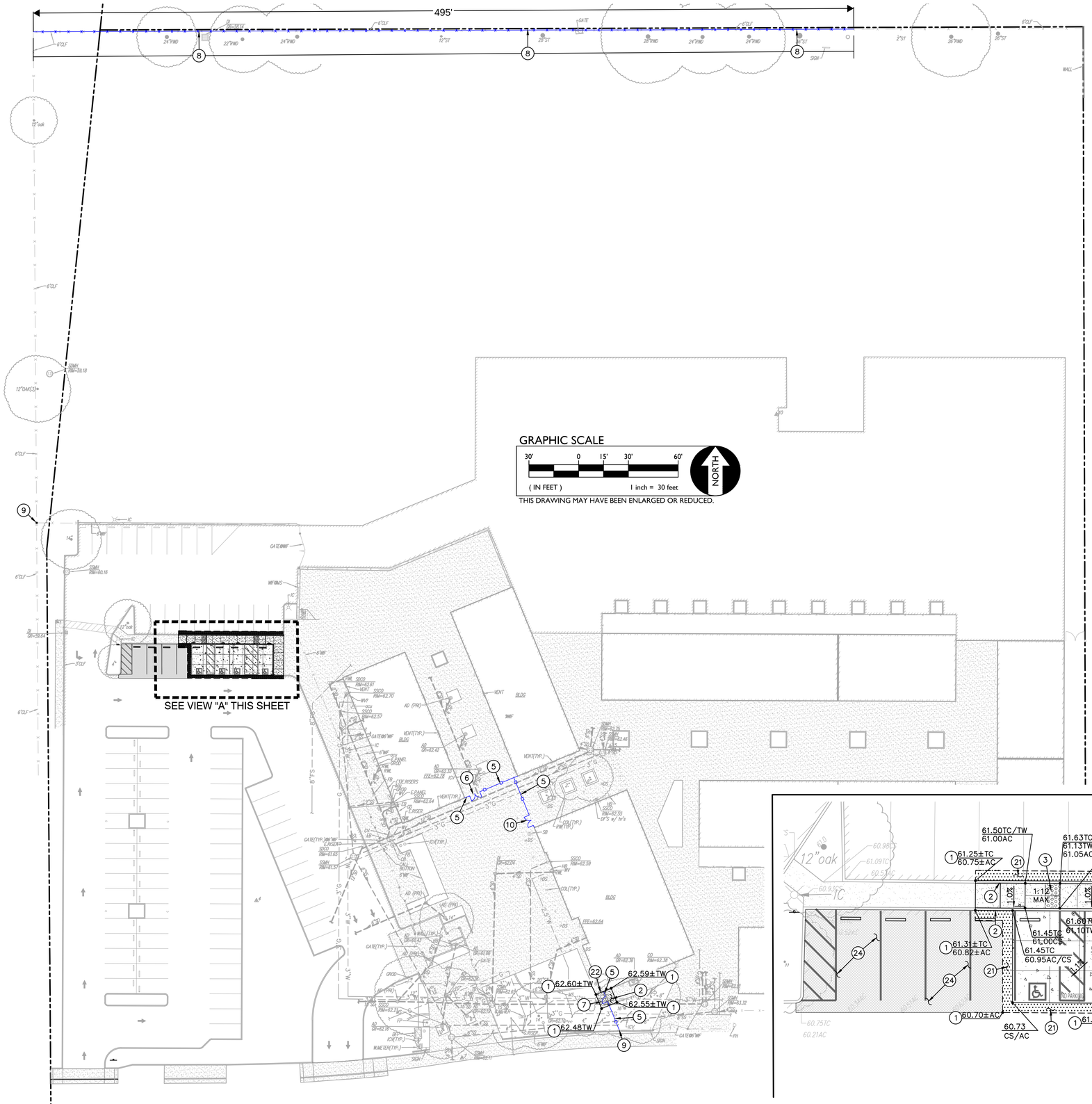
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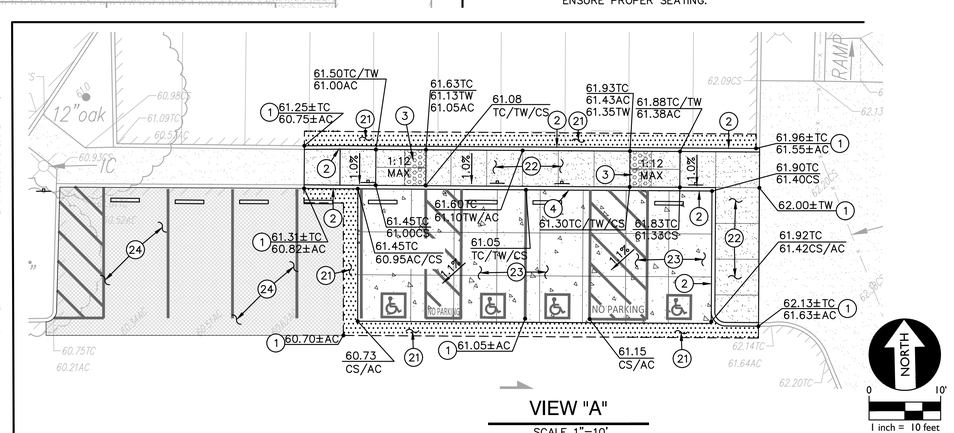
TITLE: DEMOLITION PLAN

PROJECT: JAMES MARSHALL ELEMENTARY SCHOOL FENCING PROJECT
9525 GOETHE ROAD
SACRAMENTO, CA 95827

SHEET NO.
C1.1

FILENAME:I:\25-161\CIVIL\DWG\25-161-C11.DWG PLOTTED:Friday, March 20, 2026





VIEW "A"
SCALE 1"=10'

GRADING AND FENCING NOTES

1. MATCH EXISTING GRADE/ELEVATION.
2. CONSTRUCT CONCRETE CURB PER (2 / C4.1)
3. CONSTRUCT ACCESSIBLE CURB RAMP PER (3 / C4.1)
4. CONSTRUCT FLUSH CONCRETE CURB PER (5 / C4.1)
5. PLACE 6' TALL 3-RAIL ORNAMENTAL FENCING. REFER TO SPECIFICATIONS SECTION 32 31 19. REFER TO GRADING/CONSTUCTION PLAN FOR FOUNDATION CONDITION, I.E. SLAB EDGE, CONCRETE APRON, ETC. SEE ALSO TYPICAL FENCING DETAILS PROVIDED. (3 / C4.2)
6. CONSTRUCT 80" WIDE (NOMINAL) DOUBLE SWING PEDESTRIAN GATE WITH PANIC HARDWARE AND CLOSERS. REFER TO SPECIFICATIONS SECTION 32 31 19. AND DETAILS PROVIDED. (1 / C4.3)
7. CONSTRUCT 40" WIDE (NOMINAL) SINGLE SWING PEDESTRIAN GATE WITH PANIC HARDWARE AND CLOSERS. REFER TO SPECIFICATIONS SECTION 32 31 19. AND DETAILS PROVIDED. (2 / C4.3)
8. PLACE 7' TALL BLACK VINYL COATED NO-CLIMB CHAIN LINK FENCING. REFER TO SPECIFICATIONS SECTION 32 31 13 AND DETAIL PROVIDED. (4 / C4.3)
9. PLACE 4" DIAMETER POST AT EXISTING CHAIN LINK FENCE ADJACENT TO EXISTING ORNAMENTAL FENCE POST TO SECURE GAP IN FENCE.
10. CONSTRUCT ACCESS CONTROLLED DOUBLE SWING PEDESTRIAN GATE PER REFER TO SPECIFICATIONS SECTION 32 31 19, TECHNOLOGY PLANS AND DETAILS PROVIDED. (1 / C4.2)

PAVING LEGEND

(21) TYPE 21 PAVING
PLACE 3" AC OVER 12" CLASS II AB ON A TENSAR BX1100 GEOGRID ON COMPACTED SUBGRADE. PROVIDE 2 APPLICATIONS OF SEAL COAT ON NEW PAVING.

(22) TYPE 22 PAVING
PLACE 5" PCC OVER 12" AB WITH #4 BAR AT 24" O.C.E.W. ON A TENSAR BX100 GEOGRID ON COMPACTED SUBGRADE. (1 / C4.1)

(23) TYPE 23 PAVING
PLACE 6" PCC OVER 12" AB WITH #4 BAR AT 18" O.C.E.W. ON A TENSAR BX100 GEOGRID ON COMPACTED SUBGRADE. (1 / C4.1)

(24) TYPE 24 PAVING
BLACK OUT EXISTING STRIPING, CRACK FILL AND PROVIDE TWO (2) APPLICATIONS OF SEAL COAT.

PAVING GENERAL NOTES:

1. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH SEALCOAT PER SPECIFICATIONS.
2. PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
3. SLOPE IN ACCESSIBLE STALLS AND UNLOAD ZONES SHALL NOT EXCEED 1.9% IN ANY DIRECTION.
4. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

   CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 1.9%
   DIRECTION OF TRAVEL – 4.9%
   RAMP IN DIRECTION OF TRAVEL – 8.0%
   PLAZA 1.9% – IN ANY DIRECTION
5. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124105 INC:
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑
DATE: 4/08/2026

A.P.N.	068-0011-102

BENCHMARK NO. 22-097
ELEV. 70.13

2"BRASS DISC STAMPED "SAC. CO. DEPT. PUBLIC WORKS BM 22-97" LOCATED IN THE SE CORNER OF SIGNAL STD.

HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
JOB NO:	25-161
DESIGNED BY:	AT
DRAWN BY:	KP
CHECKED BY:	AT
DATE:	04-08-2026

REVISIONS NO.	DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

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

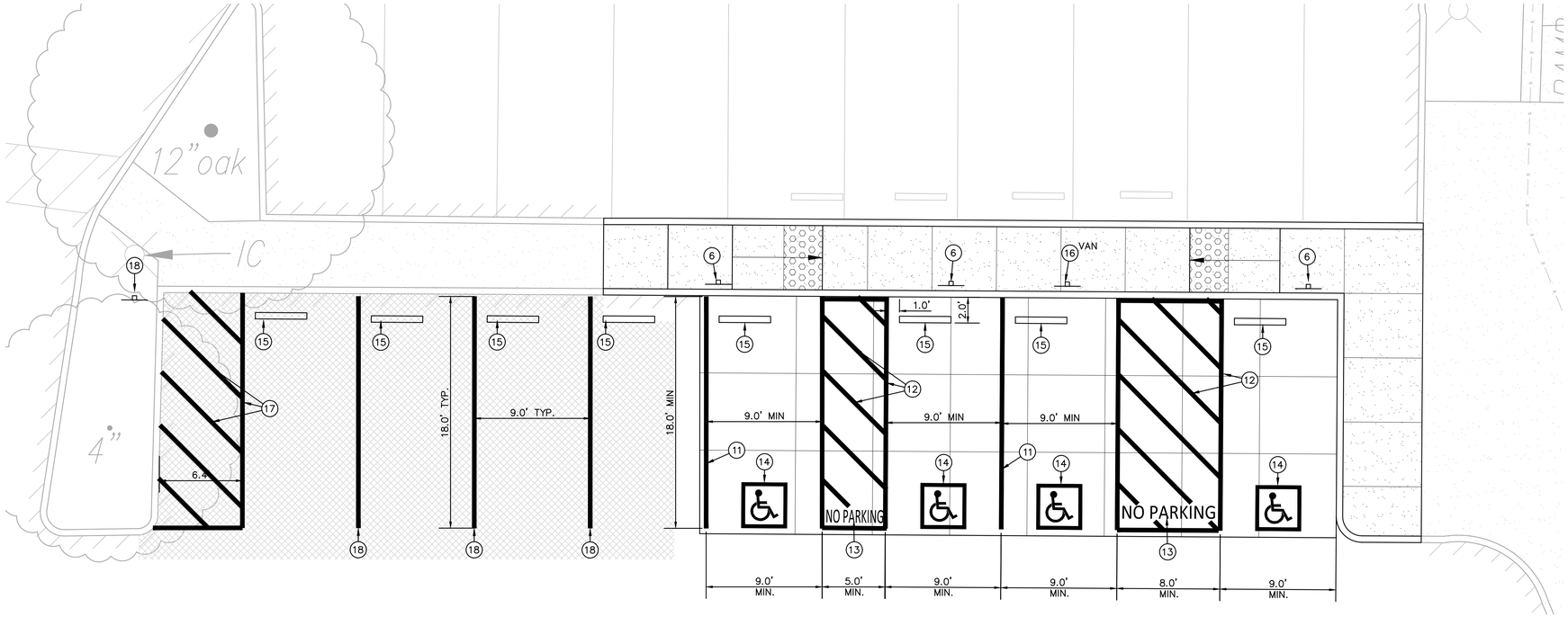
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

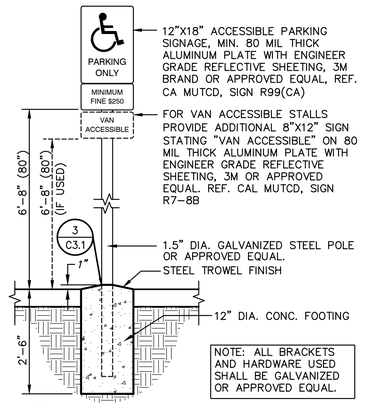
TITLE: GRADING, PAVING AND FENCING PLAN

PROJECT: JAMES MARSHALL ELEMENTARY SCHOOL FENCING PROJECT
9525 GOETHE ROAD
SACRAMENTO, CA 95827

SHEET NO.
C2.1

FILENAME:I:\25-161\CIVIL\DWG\25-161-C21.DWG PLOTTED: Friday, March 20, 2026





12"X18" ACCESSIBLE PARKING SIGNAGE, MIN. 80 MIL THICK ALUMINUM PLATE WITH ENGINEER GRADE REFLECTIVE SHEETING, 3M BRAND OR APPROVED EQUAL, REF. CA MUTCD, SIGN R99(CA)

FOR VAN ACCESSIBLE STALLS PROVIDE ADDITIONAL 8"X12" SIGN STATING "VAN ACCESSIBLE" ON 80 MIL THICK ALUMINUM PLATE WITH ENGINEER GRADE REFLECTIVE SHEETING, 3M OR APPROVED EQUAL. REF. CAL MUTCD, SIGN R7-8B

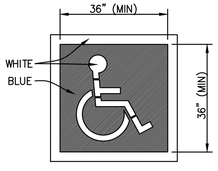
1.5" DIA. GALVANIZED STEEL POLE OR APPROVED EQUAL.

STEEL TROWEL FINISH

12" DIA. CONC. FOOTING

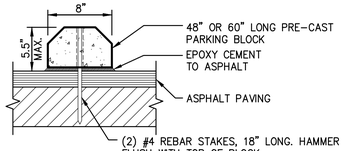
NOTE: ALL BRACKETS AND HARDWARE USED SHALL BE GALVANIZED OR APPROVED EQUAL.

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

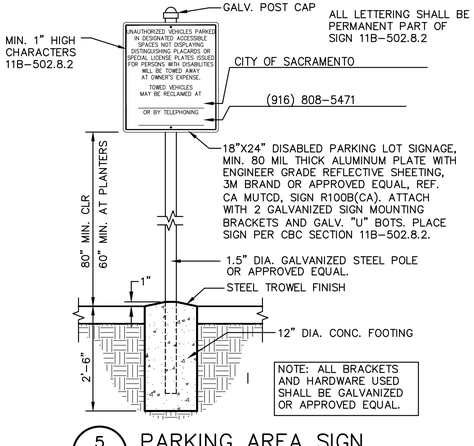


NOTES:
1. THIS PARKING SYMBOL IS ALSO KNOWN AS THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA).

1 C3.1 ACCESSIBLE STRIPING
NO SCALE



2 C3.1 CONCRETE WHEEL STOP
NO SCALE



18"X24" DISABLED PARKING LOT SIGNAGE, MIN. 80 MIL THICK ALUMINUM PLATE WITH ENGINEER GRADE REFLECTIVE SHEETING, 3M BRAND OR APPROVED EQUAL, REF. CA MUTCD, SIGN R100B(CA). ATTACH WITH 2 GALVANIZED SIGN MOUNTING BRACKETS AND GALV. "U" BOTS. PLACE SIGN PER CBC SECTION 11B-502.8.2.

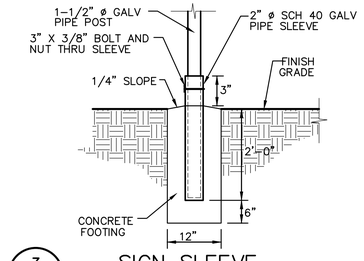
1.5" DIA. GALVANIZED STEEL POLE OR APPROVED EQUAL.

STEEL TROWEL FINISH

12" DIA. CONC. FOOTING

NOTE: ALL BRACKETS AND HARDWARE USED SHALL BE GALVANIZED OR APPROVED EQUAL.

5 C3.1 PARKING AREA SIGN
(CALIFORNIA ONLY) NO SCALE



3 C3.1 SIGN SLEEVE
NO SCALE

STRIPING/SIGNAGE NOTES

11. PAINT 4" WIDE BLUE STRIPE IN LAYOUT AND PER THE DIMENSIONS SHOWN.
12. 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.
13. PAINT 12" HIGH WHITE LETTERING EXPRESSING "NO PARKING".
14. PAINT INTERNATIONAL SYMBOL FOR ACCESSIBILITY PARKING STALL SYMBOL IN ACCORDANCE WITH THE DIMENSIONS AND COLORING SHOWN IN THE PROVIDED DETAIL. (1 C3.1)
15. PLACE 48" LONG CONCRETE WHEEL STOP PER THE DETAIL PROVIDED. (2 C3.1)
16. INSTALL ACCESSIBLE PARKING SIGN PER THE DETAIL PROVIDED. WHERE SHOWN ON PLAN AS "VAN" ACCESSIBLE STALL, PROVIDE EXTRA "VAN ACCESSIBLE" SIGN AS SHOWN IN DETAIL. (4 C3.1)
17. PAINT 4" WIDE WHITE STRIPE WITH 4" WIDE WHITE CROSS HATCH STRIPING AT 45° AT 36" O.C.
18. PAINT 4" WIDE WHITE STRIPE SHOWN IN LAYOUT AND PER DIMENSIONS SHOWN.

GRAPHIC SCALE

5' 0 2.5' 5' 10'

(IN FEET) 1 inch = 5 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

FILENAME:I:\25-161\CIVIL\DWG\25-161-C31.DWG PLOTTED:Friday, March 20, 2026

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124105 INC:
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑
DATE: 4/08/2026

A.P.N.	068-0011-102

BENCHMARK NO. 22-097
ELEV. 70.13

2"BRASS DISC STAMPED "SAC. CO. DEPT. PUBLIC WORKS BM 22-97" LOCATED IN THE SE CORNER OF SIGNAL STD.

HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
JOB NO:	25-161
DESIGNED BY:	AT
DRAWN BY:	KP
CHECKED BY:	AT
DATE:	04-08-2026

AGENCY APPROVAL

DATE	BY

REVISIONS

NO.	DESCRIPTION	DATE

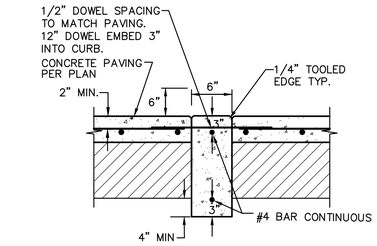
REGISTERED PROFESSIONAL ENGINEER
ANTHONY J TASSANO
NO. C74696
STATE OF CALIFORNIA

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

TITLE: STRIPING AND SIGNAGE PLAN

PROJECT: JAMES MARSHALL ELEMENTARY SCHOOL FENCING PROJECT
9525 GOETHE ROAD
SACRAMENTO, CA 95827

SHEET NO.
C3.1

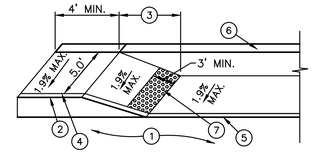


NOTES:

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.

5 / C4.1 FLUSH CONCRETE CURB

NO SCALE

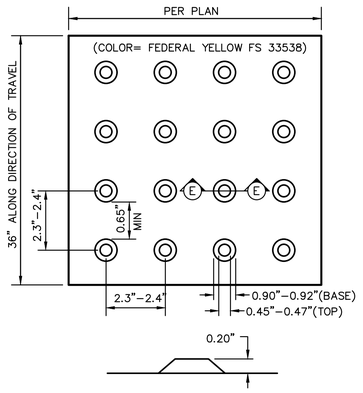


LEGEND

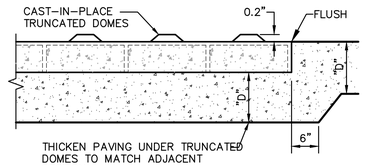
1. PAVEMENT.
2. TOP FACE OF CURB, STANDARD 6" HIGH.
3. 8.3% (1:12) MAXIMUM SLOPE.
4. SCORE MARK, 6" BACK OF CURB.
5. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-503.
6. 6" WIDE RETAINING CURB, HEIGHT TO BE DETERMINED BY PROJECTED BACK OF WALK 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. DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND THE SIDEWALK LESS 2 INCHES MAXIMUM ON EACH SIDE PER 11B-705.1.2.2. 4 / C4.1

3 / C4.1 ACCESSIBLE CURB RAMP

NO SCALE

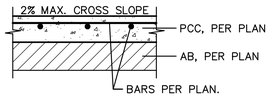


SECTION E-E

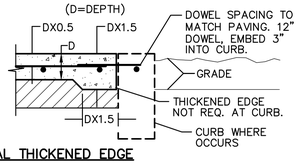


4 / C4.1 TRUNCATED DOMES

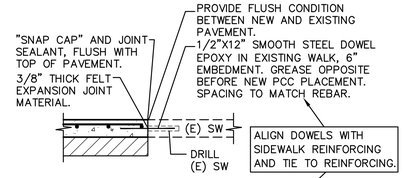
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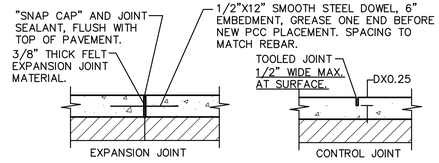
TYPICAL SECTION



TYPICAL THICKENED EDGE



CONNECTION TO (E) CONCRETE



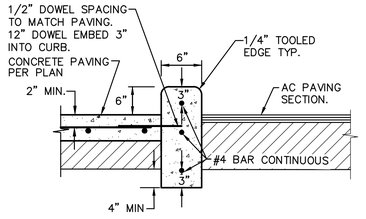
TYPICAL JOINTS

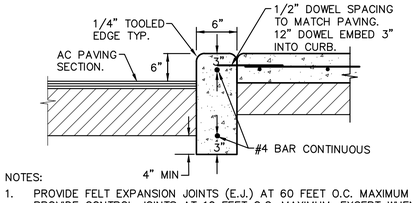
NOTES:

1. PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
2. PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

1 / C4.1 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 / C4.1 CONCRETE CURB

NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124105 INC:
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SS ☐ FLS ☑ ACS ☑
DATE: 4/08/2026

A.P.N.	068-0011-102

BENCHMARK NO. 22-097
ELEV. 70.13

2"BRASS DISC STAMPED "SAC. CO. DEPT. PUBLIC WORKS BM 22-97" LOCATED IN THE SE CORNER OF SIGNAL STD.

HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
JOB NO:	25-161
DESIGNED BY:	AT
DRAWN BY:	KP
CHECKED BY:	AT
DATE:	04-08-2026

REVISIONS NO.	DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

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

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

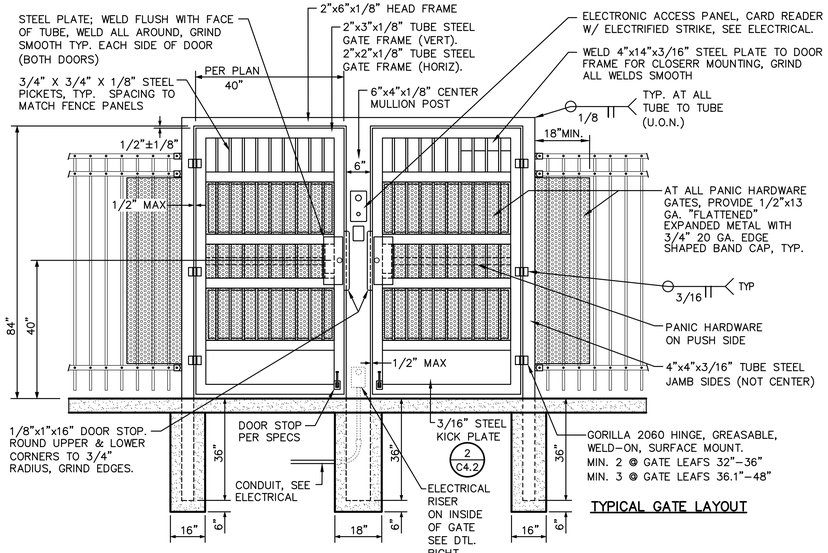
TITLE: DETAILS AND SECTIONS

PROJECT: JAMES MARSHALL ELEMENTARY SCHOOL FENCING PROJECT
9525 GOETHE ROAD
SACRAMENTO, CA 95827

SHEET NO.

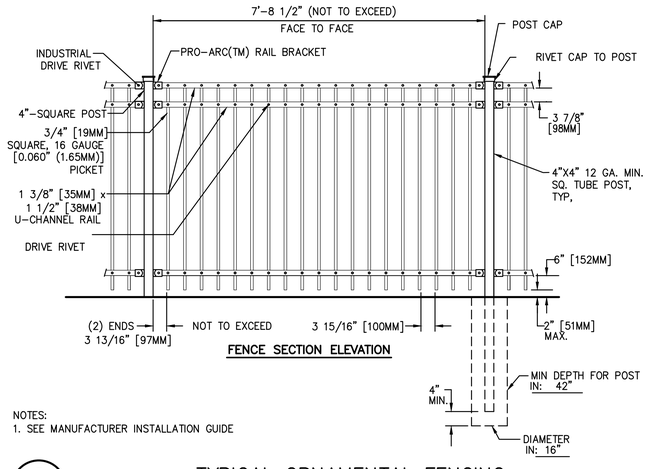
C4.1

FILENAME:I:\25-161\CIVIL\DWG\25-161-C41-C43.DWG PLOTTED:Friday, March 20, 2026



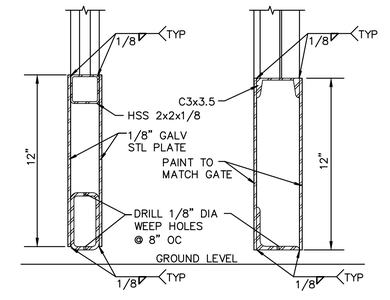
1 / C4.2 TYPICAL ORNAMENTAL ACCESSIBLE GATE ACCESS CONTROLLED - DOUBLE

NO SCALE



3 / C4.2 TYPICAL ORNAMENTAL FENCING

NO SCALE



2 / C4.2 METAL GATE KICK PLATE

NO SCALE

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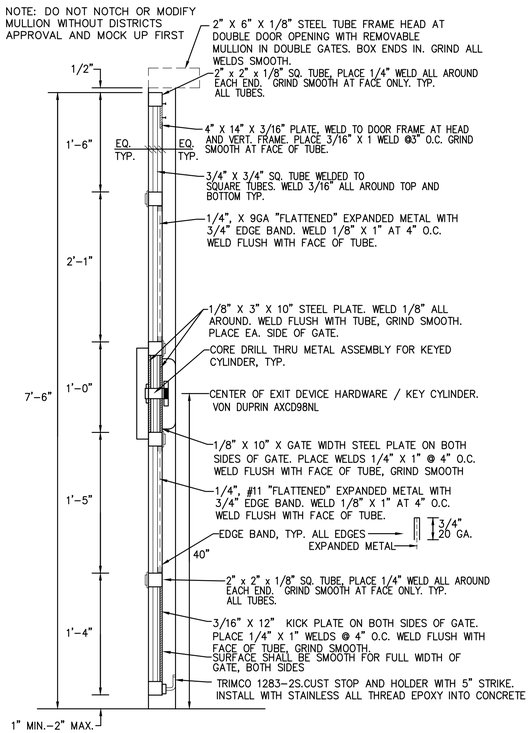
TITLE: DETAILS AND SECTIONS

PROJECT: JAMES MARSHALL ELEMENTARY SCHOOL FENCING PROJECT
9525 GOETHE ROAD
SACRAMENTO, CA 95827

SHEET NO.
C4.2

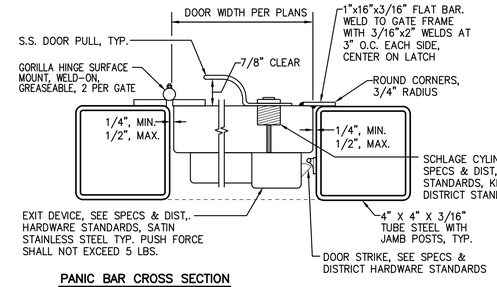
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NOTE: DO NOT NOTCH OR MODIFY MULLION WITHOUT DISTRICTS APPROVAL AND MOCK UP FIRST

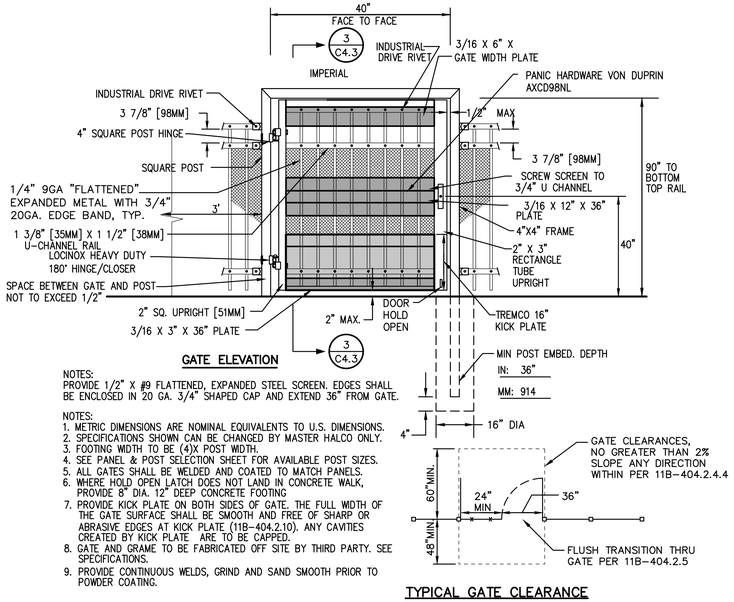


3 / C4.3 SECTION; FABRICATED METAL DOOR

NO SCALE



PANIC BAR CROSS SECTION



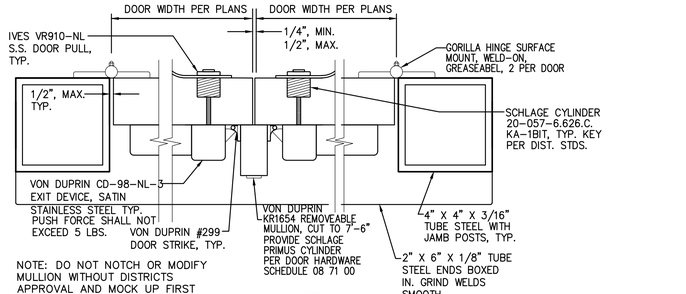
NOTES:
PROVIDE 1/2" X #9 FLATTENED, EXPANDED STEEL SCREEN. EDGES SHALL BE ENCLOSED IN 20 GA. 3/4" SHAPED CAP AND EXTEND 36" FROM GATE.

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.
4. SEE PANEL & POST SELECTION SHEET FOR AVAILABLE POST SIZES.
5. ALL GATES SHALL BE WELDED AND COATED TO MATCH PANELS.
6. WHERE HOLD OPEN LATCH DOES NOT LAND IN CONCRETE WALK, PROVIDE 8" DIA. 12" DEEP CONCRETE FOOTING
7. PROVIDE KICK PLATE ON BOTH SIDES OF GATE. THE FULL WIDTH OF THE GATE SURFACE SHALL BE SMOOTH AND FREE OF SHARP OR ABRASIVE EDGES AT KICK PLATE (11B-404.2.10). ANY CAVITIES CREATED BY KICK PLATE ARE TO BE CAPPED.
8. GATE AND GRAME TO BE FABRICATED OFF SITE BY THIRD PARTY. SEE SPECIFICATIONS.
9. PROVIDE CONTINUOUS WELDS, GRIND AND SAND SMOOTH PRIOR TO POWDER COATING.

TYPICAL GATE CLEARANCE

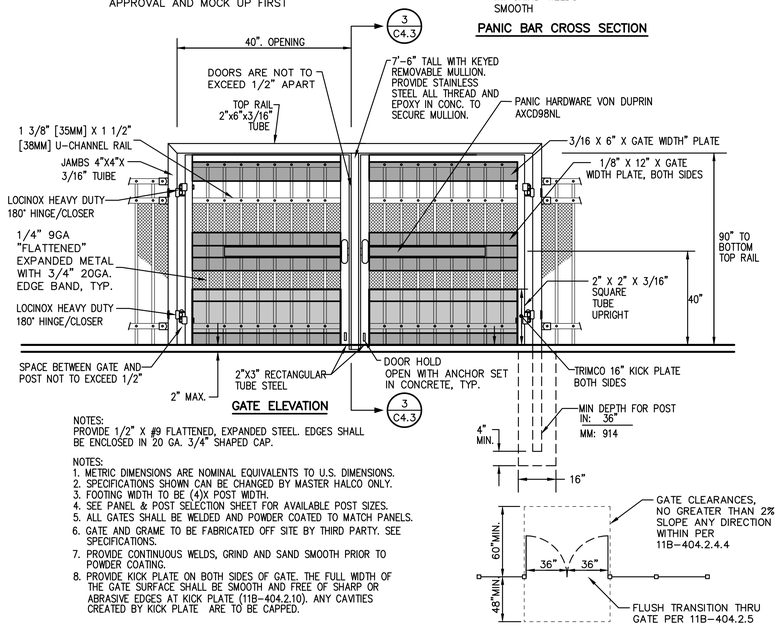
2 / C4.3 TYPICAL ORNAMENTAL ACCESSIBLE GATE – SINGLE

NO SCALE



NOTE: DO NOT NOTCH OR MODIFY MULLION WITHOUT DISTRICTS APPROVAL AND MOCK UP FIRST

PANIC BAR CROSS SECTION



NOTES:
PROVIDE 1/2" X #9 FLATTENED, EXPANDED STEEL. EDGES SHALL BE ENCLOSED IN 20 GA. 3/4" SHAPED CAP.

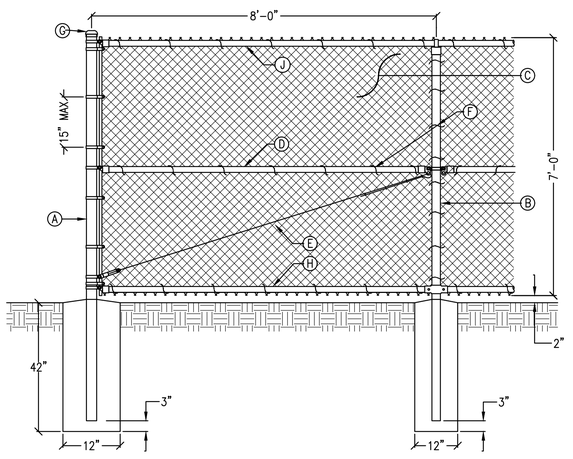
NOTES:
1. METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
2. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.
3. FOOTING WIDTH TO BE (4)X POST WIDTH.
4. SEE PANEL & POST SELECTION SHEET FOR AVAILABLE POST SIZES.
5. ALL GATES SHALL BE WELDED AND POWDER COATED TO MATCH PANELS.
6. GATE AND GRAME TO BE FABRICATED OFF SITE BY THIRD PARTY. SEE SPECIFICATIONS.
7. PROVIDE CONTINUOUS WELDS, GRIND AND SAND SMOOTH PRIOR TO POWDER COATING.
8. PROVIDE KICK PLATE ON BOTH SIDES OF GATE. THE FULL WIDTH OF THE GATE SURFACE SHALL BE SMOOTH AND FREE OF SHARP OR ABRASIVE EDGES AT KICK PLATE (11B-404.2.10). ANY CAVITIES CREATED BY KICK PLATE ARE TO BE CAPPED.

NOTE: DO NOT NOTCH OR MODIFY MULLION WITHOUT DISTRICTS APPROVAL AND MOCK UP FIRST

TYPICAL GATE CLEARANCE

1 / C4.3 TYPICAL ORNAMENTAL ACCESSIBLE GATE – DOUBLE

NO SCALE



(A) – 2-7/8" OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK.
(B) – 2-3/8" OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK.
(C) – 9 GA. CHAIN LINK FENCE, 1" MESH NO-CLIMB. BLACK VINYL.
(D) – 1-5/8" OD SCH. 40 GALV. STEEL RAIL, POWDER COATED BLACK.
(E) – 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..
(F) – 9 GA. GALV. STEEL, BLACK VINYL COATED, TO MATCH FENCING. TIES AT 15" MAX. OC HORIZONAL AND 12" MAX. VERTICAL CLOSED EYE ENDS.
(G) – ALL CAPS AND FITTINGS HEAVY INDUSTRIAL GALV. GRADE. POWDER COATED BLACK
(H) – 1-5/8" OD SCH. 40 GALV. STEEL BOTTOM RAIL. POWDER COATED BLACK.
(J) – 1-5/8" OD SCH. 40 GALV. STEEL TOP RAIL, POWDER COATED BLACK.

4 / C4.3 7' TALL CHAIN LINK FENCING

NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-124105 INC:
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑
DATE: 4/08/2026

A.P.N.	068-0011-102
BENCHMARK NO.	22-097
ELEV.	70.13

2"BRASS DISC STAMPED "SAC. CO. DEPT. PUBLIC WORKS BM 22-97" LOCATED IN THE SE CORNER OF SIGNAL STD.

HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
JOB NO:	25-161
DESIGNED BY:	AT
DRAWN BY:	KP
CHECKED BY:	AT
DATE:	04-08-2026

REVISIONS NO.	DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

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

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

TITLE: DETAILS AND SECTIONS

PROJECT: JAMES MARSHALL ELEMENTARY SCHOOL FENCING PROJECT
9525 GOETHE ROAD
SACRAMENTO, CA 95827

SHEET NO.
C4.3

FILENAME:I:\25-161\CIVIL\DWG\25-161-C41-C43.DWG PLOTTED:Friday, March 20, 2026

ABBREVIATIONS:

REVISED: 09/20/2023

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

PROJECT NARRATIVE:

CONSTRUCTION OF ONE ACCESSIBLE EGRESS GATE WHICH WILL BE PROVIDED WITH ELECTRONIC ACCESS CONTROLS.

TECHNOLOGY SYMBOL LEGEND:

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

SYMBOL	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
MDF / IDF	(E) DATA RACK / CABINET	EXISTING	EXISTING	N/A
J	(N) SURFACE MOUNTED JUNCTION BOX	COMMERCIAL	COMMERCIAL	GREY = EXISTING
J / J	(E) SURFACE MOUNTED 4-SQUARE JUNCTION BOX, WALL / CEILING	EXISTING	EXISTING	N/A
J J J	(N) J-HOOK PATHWAY	N/A	N/A	N/A
	(N) UNDERGROUND BACKBONE CONDUIT	PVC	QTY. AND SIZE AS PER PLAN	N/A
	(N) BACKBONE CONDUIT	EMT / GRC	QTY. AND SIZE AS PER PLAN	N/A
	(N) BACKBONE CONDUIT STUB	N/A	N/A	N/A
	(N) CONDUIT RISER	N/A	N/A	N/A
PSU	ACCESS CONTROL POWER SUPPLY UNIT W/ BATTERY BACKUP	AVIGILON	AC-LSP-2DR-MER-LCK	INSTALL AT MDF LOCATION
CON	ACCESS CONTROL MANAGEMENT EMBEDDED CONTROLLER	AVIGILON	AC-MER-CONT-MP1501	INSTALL AT MDF LOCATION
DRB	DOOR RELEASE BUTTON AND BACK BOX	STI	NT-CA100-EN, KIT-BB1CA	INSTALL AT LOCATION SHOWN ON PLANS
CR	CARD READER	SCHLAGE	MT15	INSTALL AT LOCATION SHOWN ON PLANS
ES	ELECTRONIC STRIKE	HES	9600	INSTALL AT LOCATION SHOWN ON PLANS



PICTURE DETAIL

PROJECT CODES AND STANDARDS:

PARTIAL LIST OF APPLICABLE CODES AND STANDARDS EFFECTIVE : JANUARY 1, 2026:

2025 CALIFORNIA ADMINISTRATIVE CODE (CAC), CCR, TITLE 24, PART 1
2025 CALIFORNIA BUILDING CODE (CBC), CCR, TITLE 24, PART 2
2025 CALIFORNIA ELECTRICAL CODE (CEC), CCR, TITLE 24, PART 3
2025 CALIFORNIA MECHANICAL CODE (CMC), CCR, TITLE 24, PART 4
2025 CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6
2025 CALIFORNIA FIRE CODE (CFC), CCR, TITLE 24, PART 9
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CCR, TITLE 24, PART 11
2025 CALIFORNIA REFERENCED STANDARDS CODE, CCR, TITLE 24, PART 12
2025 NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE, NATIONAL FIRE PROTECTION ASSOCIATION

TECHNOLOGY SCOPE OF WORK:

PROVIDE A COMPLETE AND OPERABLE ELECTRONIC ACCESS CONTROL SYSTEM AT THE NOTED GATE OPENING. PROVIDE ALL CABLING, PATHWAY, TERMINATIONS, AND TESTING. INSTALL OWNER-FURNISHED EQUIPMENT AS NOTED. ALL WORK MUST CONFORM TO SCUSD DIVISION 27-28 SPECIFICATIONS.

SHEET INDEX:

SHEET NO.	DESCRIPTION
TECHNOLOGY	
T000	COVER SHEET
T200	TECHNOLOGY FLOOR PLAN
T800	TECHNOLOGY DETAILS

SHEET NOTES:

1. EQUIPMENT (CON) LOCATION.
2. RELOCATE CABLES.
3. J-BOX AND 1" WALL PENETRATION.

IDENTIFICATION STAMP
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APP: 02-124105 INC:
REVIEWED FOR
SS ☐ FLS ☑ ACS ☑
DATE: 4/08/2026

A.P.N. 068-0011-102

BENCHMARK NO. 22-097
ELEV. 70.13

2"BRASS DISC STAMPED "SAC. CO. DEPT. PUBLIC WORKS BM 22-97" LOCATED IN THE SE CORNER OF SIGNAL STD.

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: N/A
JOB NO: 25-161
DESIGNED BY: KMM
DRAWN BY: SD
CHECKED BY: CCC
DATE: 04-08-2026

AGENCY APPROVAL

DATE	BY

REVISIONS

NO.	DESCRIPTION	DATE

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74686
STATE OF CALIFORNIA

KMM Services, Inc.
TECHNOLOGY&FIRE LIFE SAFETY
5433 El Camino Ave. Suite 5
Carmichael, CA 95608
Office: (916) 359-4000
www.kmmservices.com

TITLE: COVER SHEET

PROJECT: JAMES MARSHALL ELEMENTARY SCHOOL
FENCING PROJECT
9525 GOETHE ROAD
SACRAMENTO, CA 95827

SHEET NO.

T000

FILENAME: L:\26-949_SCUSD_WCE_J_MARSHALL_GATE\06A-DESIGN_ACAD\T000_COVER SHEET.DWG PLOTTED:Friday, February 13, 2026



PROJECT GENERAL NOTES:

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

SHEET NOTES:

1. (N) 1" CONDUIT.
2. (N) 1-GANG BELL BOX AT TOP OF FIXED MULLION.
3. (N) 2-GANG BELL BOX WITH 1" PENETRATION THROUGH WALL.
4. PROVIDE AND INSTALL CARD READER ON FIXED MULLION AT 48" AFG
5. PROVIDE AND INSTALL ELECTRONIC STRIKE ON FIXED MULLION.
6. PROVIDE AND INSTALL ELECTRONIC ACCESS CONTROLLER AND POWER SUPPLY ON (E) BACKBOARD BELOW INTERCOM HEADEND. EXTEND 120V POWER FROM ADJACENT J-BOX. PROVIDE (2) EA. 12V 7AH BATTERIES.
7. PROVIDE AND INSTALL 2-GANG BELL BOXES AND 1" WALL PENETRATION.
8. PROVIDE, INSTALL AND WIRE DOOR RELEASE BUTTON. EXTEND WIREMOLD RACEWAY AS REQUIRED.

TECHNOLOGY FLOOR PLAN

SCALE: 1/8" = 1'

0 4 8 12 16

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A.P.N.	068-0011-102

BENCHMARK NO. 22-097
ELEV. 70.13

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HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	N/A
JOB NO:	25-161
DESIGNED BY:	KMM
DRAWN BY:	SD
CHECKED BY:	CCC
DATE:	04-08-2026

REVISIONS NO.	DESCRIPTION	DATE

AGENCY APPROVAL BY	DATE

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

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TECHNOLOGY&FIRE LIFE SAFETY
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Carmichael, CA 95608
Office: (916) 359-4000
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TITLE: TECHNOLOGY FLOOR PLAN

PROJECT:
JAMES MARSHALL ELEMENTARY SCHOOL
FENCING PROJECT
9525 GOETHE ROAD
SACRAMENTO, CA 95827

SHEET NO.
T200

FILENAME: I:\26-949_SCUSD_WCE_J_MARSHALL_GATE\06A-DESIGN_ACAD\T200_FLOOR PLAN.DWG PLOTTED: Friday, February 13, 2026

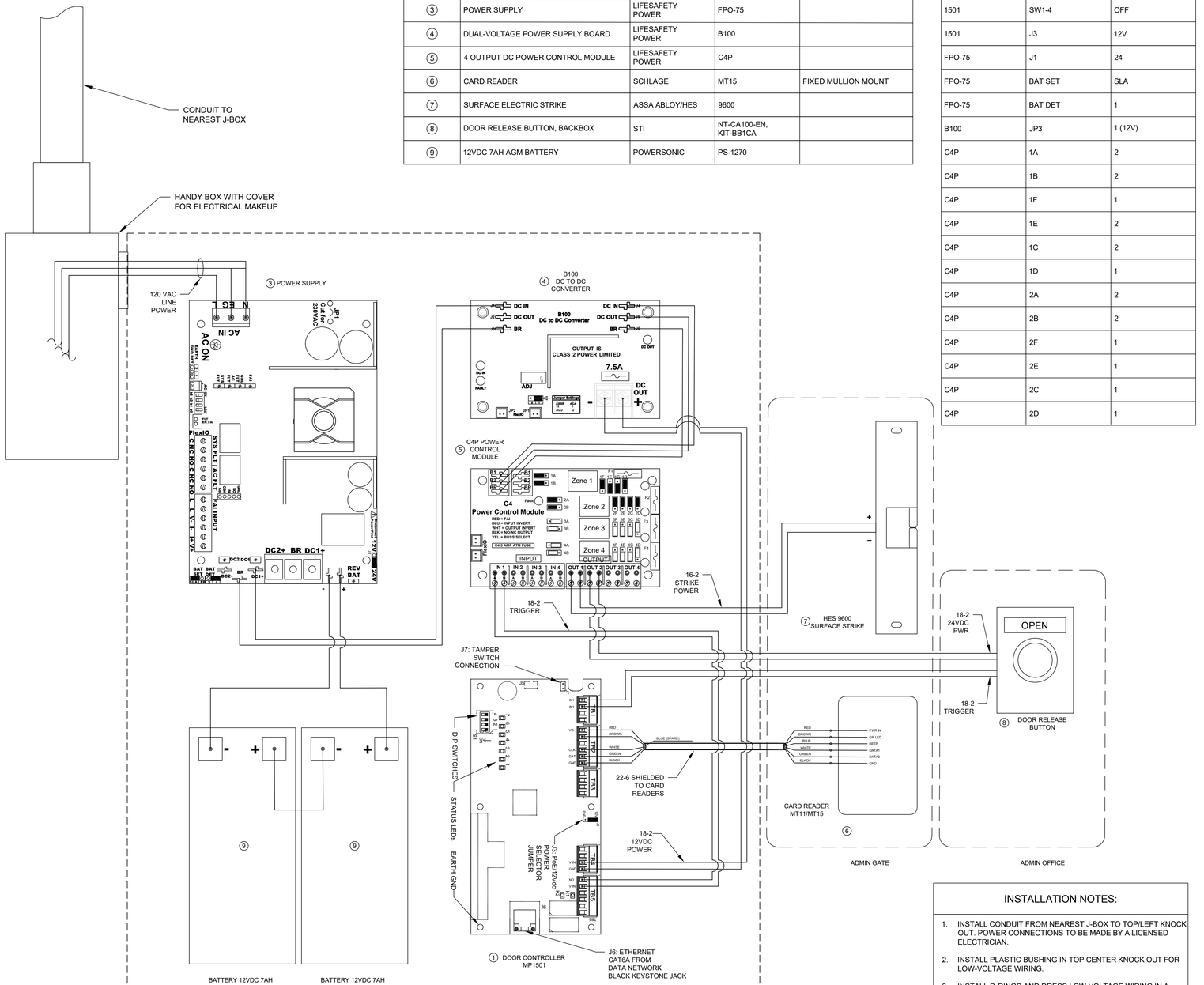
EQUIPMENT SCHEDULE:

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

SYMBOL	DESCRIPTION	MFG/MODEL	PART NUMBER	NOTES
①	MASTER DOOR CONTROLLER	AVIGILON	AC-MER-CONT-MP1501	CAT6A DATA DROP
②	CABINET	LIFESAFETY POWER	E2M	
③	POWER SUPPLY	LIFESAFETY POWER	FPO-75	
④	DUAL-VOLTAGE POWER SUPPLY BOARD	LIFESAFETY POWER	B100	
⑤	4 OUTPUT DC POWER CONTROL MODULE	LIFESAFETY POWER	C4P	
⑥	CARD READER	SCHLAGE	MT15	FIXED MULLION MOUNT
⑦	SURFACE ELECTRIC STRIKE	ASSA ABLOY/HES	9600	
⑧	DOOR RELEASE BUTTON, BACKBOX	STI	NT-CA100-EN, KIT-BB1CA	
⑨	12VDC 7AH AGM BATTERY	POWERSONIC	PS-1270	

SWITCH/JUMPER SETTINGS:

1501	SW1-1	OFF
1501	SW1-2	OFF
1501	SW1-3	OFF
1501	SW1-4	OFF
1501	J3	12V
FPO-75	J1	24
FPO-75	BAT SET	SLA
FPO-75	BAT DET	1
B100	JP3	1 (12V)
C4P	1A	2
C4P	1B	2
C4P	1F	1
C4P	1E	2
C4P	1C	2
C4P	1D	1
C4P	2A	2
C4P	2B	2
C4P	2F	1
C4P	2E	1
C4P	2C	1
C4P	2D	1



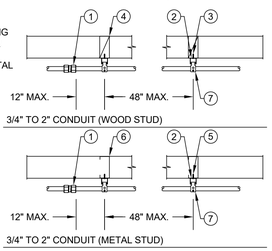
② LIFESAFETY POWER ENCLOSURE

5 ELECTRONIC ACCESS ONE-LINE SCHEMATIC - TYPICAL FRONT DOOR WITH 98/99 PANIC HARDWARE OR TYPICAL GATE (REV 2025-01-13)
SCALE: NONE

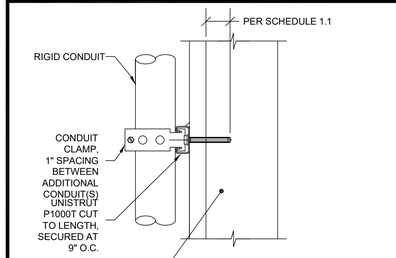
INSTALLATION NOTES:

1. INSTALL CONDUIT FROM NEAREST J-BOX TO TOP/LEFT KNOCK OUT. POWER CONNECTIONS TO BE MADE BY A LICENSED ELECTRICIAN.
2. INSTALL PLASTIC BUSHING IN TOP CENTER KNOCK OUT FOR LOW-VOLTAGE WIRING.
3. INSTALL D-RINGS AND DRESS LOW-VOLTAGE WIRING IN A PROFESSIONAL AND WORKMAN LIKE MANNER.
4. LED STATUS: GREEN=12VDC, BLUE=24VDC, SOLID=INACTIVE, BLINKING=ACTIVE
5. DETAIL IS DIAGRAMMATIC, CONTRACTOR TO VALIDATE CONNECTIONS AND SETTINGS.

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)



4 CONDUIT STRAP SPACING DETAIL
SCALE = NONE



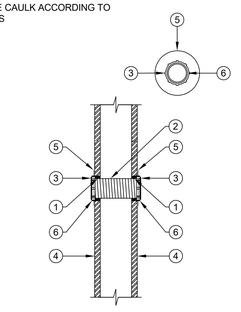
SCHEDULE 1.1

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"	1 1/2"

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

3 CONDUIT SUPPORT DETAIL - VERTICAL
SCALE = NONE

1 DRAFT STOP OR FIRE CAULK ACCORDING TO NFPA REQUIREMENTS
2 THREADED, RIGID, CONDUIT
3 SCREW ON BUSHING
4 WALL
5 REDUCING WASHER OR PLATE
6 SCREW ON LOCKING RINGS FRONT & BACK (TYP.)



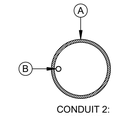
2 CONDUIT SLEEVE PENETRATION DETAIL
SCALE = NONE

A (1) EA. 3/4" CONDUIT
B 1/2" NYLON MULE STRING, PN: NEPTCO WP900P

CONDUIT FILL CHART
40% FILL RATIO MAXIMUM

CONDUIT DIA.	FILL RATIO (0.250" DIA.)
3/4"	4-CABLES
1"	6-CABLES
1-1/4"	10-CABLES
2"	26-CABLES
4"	102-CABLES

NOTE: CONTRACTOR SHALL BE REQUIRED TO UPSIZE CONDUIT AND/OR QTY AS NOTED PER FILL RATIO CABLE CAPACITY.



CONDUIT 2: ORANGE (CCTV / SECURITY)

1 CONDUIT LAYOUT DETAIL - HORIZONTAL BACKBONE / SLEEVES
SCALE = NONE

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FILENAME:L:\26-949_SCUSD_WCE_J_MARSHALL_GATE\06A-DESIGN_ACAD\T900_DETAILS.DWG PLOTTED:Friday, February 13, 2026