



**Business Services
Contracts Office**

5735 47th Avenue • Sacramento, CA 95824
(916) 643-2464

*Rose Ramos, Chief Business Officer
Robert Aldama, Purchasing Manager II*

ADDENDUM NO. 3

Date: August 21, 2023

Issued by: Sacramento City Unified School District

Project: **Project #: 0510-465**
0510-465 CKM/Fern Bacon/Matsuyama/Parkway/Rosa Parks and Sutterville
Security Improvements: Group 2

This addenda shall supersede the original Information, attachments, and specifications regarding **Project No. 0510-465** where it adds to, deletes from, clarifies or otherwise modifies them. All other conditions and any previous addenda shall remain unchanged.

Part A – Bidder Questions

QUESTION #1: The technology plans scope of work and sheet notes do not identify the hardscape cut and patch that will be required for the new pathways. It doesn't look like this scope was identified in the civil drawings either. Would it be possible to get the cut and patch work incorporated into the civil drawings?

RESPONSE: Demolition/trenching/repair for other utilities like LV and data is covered in the trenching and backfilling specifications.

QUESTION #2: It appears that the power for the gate operators at McClatchy was not included in the drawings.

RESPONSE: See attached **AD3.01 – C.K. McClatchy – Addendum No.1 Drawings** for revisions.

QUESTION #3: The civil demolition drawing is missing for McClatchy. Will a civil demolition drawing be provided for this site?

RESPONSE: Civil Demolition plan is on sheet C1.1, view B. It was only demolition for a single gate so a separate plan was not provided, it was joined with the construction plan.

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QUESTION #4: Construction note #8 states to provide new sod where lawn areas are disturbed. The plans only show 2ft of disturbed area outside of the new fence line, but the disturbed area will be more like 10ft due to the equipment that will be used to install the fence. On the site walk a number of the fields were currently dead. Would it be possible to seed drill/ hydroseed the area disturbed during construction or will new SOD be required?

RESPONSE: Seed drill/hydroseeding will be accepted. As far as the width, anything damaged outside of the limits of work need to be repaired by the contractor, so it should be covered regardless of the working space they end up using.

QUESTION #5: Will a construction trailer be required for this project or will we be able to utilize classrooms at the site(s)?

RESPONSE: A trailer is not required. Classrooms will not be available to utilize.

QUESTION #6: Per the “notice to bidders” The District will only receive bids submitted electronically through eBuilder. Per the “instructions to bidders”: District will receive sealed bids from bidders as stipulated in the Notice to Bidders. Bids may also be submitted electronically in E-Builder.

- a. All bids must be sealed in an envelope, marked with the name and address of the Bidder, name of the Project, the Project Number and/or bid number, and time of bid opening.
- b. Bids must be submitted to the District Office at 5737 47th Avenue, Sacramento, CA by date and time shown in the Notice to Bidders.

Please confirm that bids only need to be submitted through e-Builder.

RESPONSE: Confirmed, bids only need to be submitted to eBuilder.

QUESTION #7: If submitted through e-Builder, does the original bid bond need to be sent directly to the district as well as uploaded to e-builder? If so, please provide contact information

RESPONSE: A copy of the bond needs to be provided and original mailed.

QUESTION #8: What is to be entered on the response form “step 3 additional info” in the qualifications text box?

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RESPONSE: Field can be left blank. Not applicable for this project.

QUESTION #9: Please confirm that OCIP Insurance Forms are not required as part of the bid form as stated in Item 7.

7. *The following documents are attached hereto:*

- *Bid Bond on the District's form or other security*
- *Designated Subcontractors list*
- *Site Visit Verification*
- *Non-Collusion Declaration*
- *Iran Contracting Act Certification*
- *OCIP Insurance Forms*

RESPONSE: OCIP Insurance Forms are not required.

Part B – Drawings & Specifications

CK McClatchy HS

Sheet C0.0

- Sheet index updated for new sheet C1.0.2 added.
- Total sheet count updated.

Sheet C1.0.1

- Site access plan updated with additional references.
- Gate legend added.
- General access notes added.
- Typical gate clearance details added.

Sheet C1.0.2

- New Site fire access plan provided.

Sheet C1.1

- Surface repair general note added.
- Note 17 and 18 added and plan adjusted to show conduit and connections for gate opener power supply.

Fern Bacon ES

Sheet C0.0

- Project description updated.

Sheet C1.0.1

- Site access plan updated with additional references.
- Gate legend added.
- General access notes added.
- Typical gate clearance details added.

Sheet C1.0.2

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- Site fire plan updated with additional references.
- Multi-purpose egress analysis provided.

Sheet C2.1

- Surface repair general note added.

Sheet C4.1

- Details 5 and 6 updated within additional code required information.

Matsuyama ES

Sheet C0.0

- Project description updated.

Sheet C1.0.1

- Site access plan updated with additional references.
- Gate legend added.
- General access notes added.
- Typical gate clearance details added.

Sheet C1.0.2

- Site fire plan updated with additional references.
- Multi-purpose egress analysis provided.

Sheet C2.1

- Surface repair general note added.

Sheet C4.1

- Details 5 and 6 updated within additional code require information.

Sheet C4.3

- Details 2, 3, 4 and 5 removed as they are no longer referenced.

Parkway ES

Sheet C0.0

- Project description updated.

Sheet C1.0.1

- Site access plan updated with additional references.
- Gate legend added.
- General access notes added.
- Typical gate clearance details added.

Sheet C1.0.2

- Site fire plan updated with additional references.
- Multi-purpose egress analysis provided.

Sheet C2.1

- Surface repair general note added.

Sheet C4.1

- Details 5 and 6 updated within additional code require information.

Rosa Parks ES

Sheet C0.0

- Project description updated.

Sheet C1.0.1

- Site access plan updated with additional references.
- Gate legend added.
- General access notes added.

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- Typical gate clearance details added.

Sheet C1.0.2

- Site fire plan updated with additional references.
- Multi-purpose egress analysis provided.

Sheet C2.1

- Surface repair general note added.

Sutterville ES

Sheet C0.0

- Project description updated.

Sheet C1.0.1

- Site access plan updated with additional references.
- Gate legend added.
- General access notes added.
- Typical gate clearance details added.

Sheet C1.0.2

- Site fire plan updated with additional references.
- Multi-purpose egress analysis provided.

Sheet C1.1

- Additional demolition shown at main entrance gate in view 1.

Sheet C2.1

- Additional flatwork paving shown at main entrance gate in view 1.
- Surface repair general note added.

Sheet C2.2

- Code reference added at flush transition near gate.

Sheet C4.1

- Details 5 and 6 updated within additional code required information.

Sheet C4.3

- Details 5 updated to include single swing gate layout.

Sheet T000

- Sheet updated to include additional equipment changes and new sheet added.

Sheet T200

- Sheet updated to include additional equipment changes and pathway routing.

Sheet T201

- New sheet added for gate controls to be provided at an additional gate.

Sheet T900

- Single line diagram updated with new connections per Sheet T200 and T201.

List of Attachments

AD3.01 – C.K. McClatchy – Addendum No.1 Drawings (4 Pages)

AD3.02 – Fern Bacon – Addendum No.1 Drawings (5 Pages)

AD3.03 – Matsuyama – Addendum No.1 Drawings (7 Pages)

AD3.04 – Parkway – Addendum No.1 Drawings (5 Pages)

AD3.05 – Rosa Parks – Addendum No.1 Drawings (5 Pages)

AD3.06 – Sutterville – Addendum No.1 Drawings (12 Pages)

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END OF ADDENDUM NO. 3

Acknowledgement of this Addendum will be required at time of bid.

C.K. McCLATCHY HIGH SCHOOL

2023 FENCING

3066 Freepoint Blvd
Sacramento, CA 95818



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

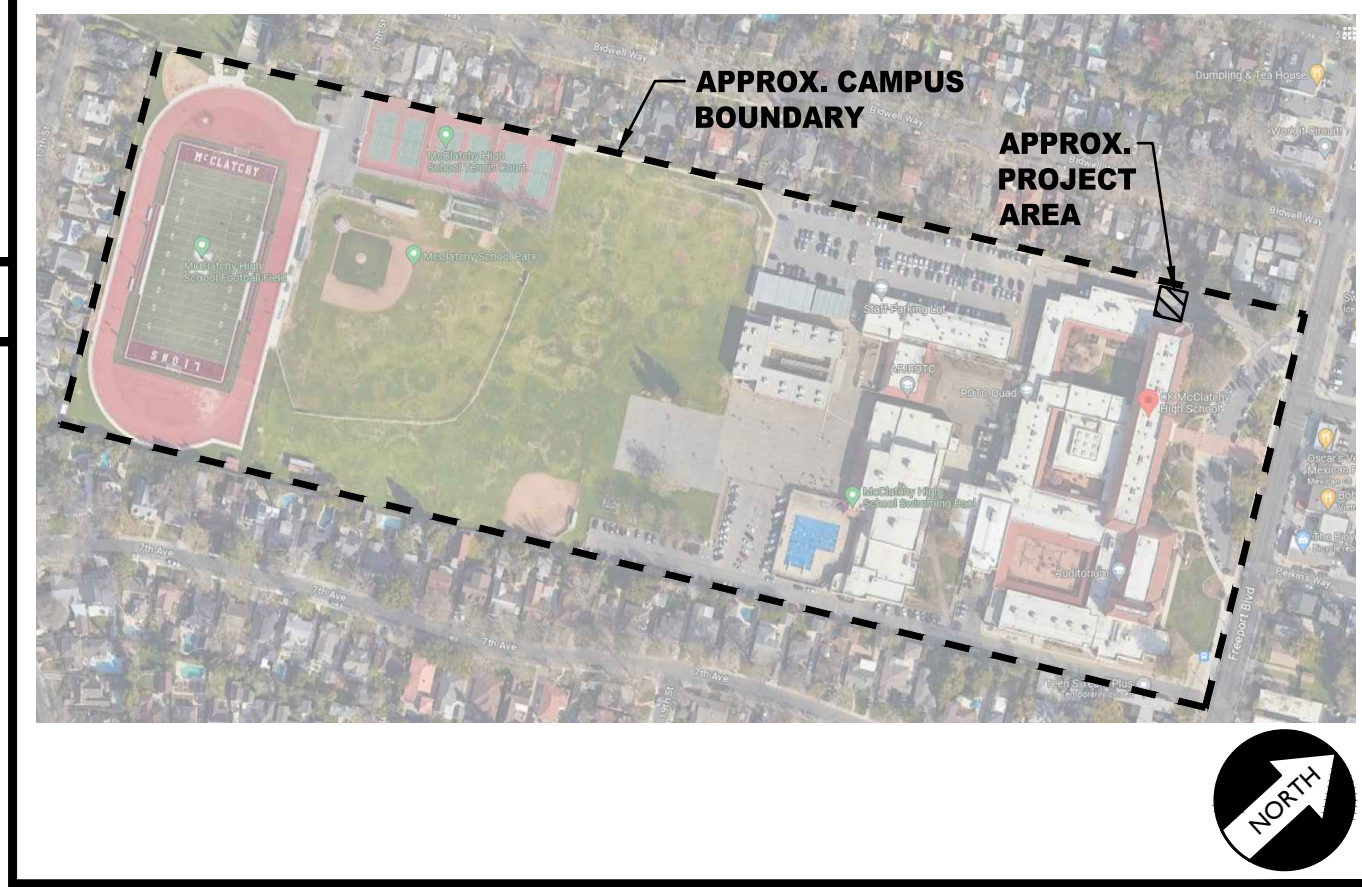
VICINITY MAP

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 (2018 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
- 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2018 INTERNATIONAL FIRE CODE AND 2019 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 (CEC), Part 11, Title 24 CCR.

PROJECT NARRATIVE

CONSTRUCTION OF SITE FENCING AND GATES WITH ELECTRONIC ACCESS CONTROLS, AUTOMATIC GATE OPENER FOR SITE SECURITY, TOGETHER WITH ASSOCIATED FLATWORK AND PAVING REPAIRS FOR ACCESSIBILITY COMPLIANCE.

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

APPLICABLE REGULATIONS

- ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- 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.
- 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)
- 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.
- THIS PROJECT REQUIRES INSPECTOR CLASS 3
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

SPECIAL TESTING:

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

DEFERRED APPROVALS

N/A

STATEMENTS:

N/A

GENERAL NOTES

- 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.
- 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.
- 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.
- 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.
- 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.
- 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 CONTRACTOR'S RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
- WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTOR'S 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 CONSTRUCTION.
- 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.
- 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.
- 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.

GENERAL PAVING SURFACE NOTES:

- 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.
- 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.

SYMBOLS LEGEND

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

PROPOSED GRADING & DRAINAGE SYMBOLS:		PROPOSED WATER SYMBOLS:	
	STORM DRAIN LINE (SIZE AND FLOW SHOWN)		WATER LINE & SIZE
	STORM DRAIN MANHOLE (SDMH)		FIRE LINE & SIZE
	CATCH BASIN (CB)		DOMESTIC WATER LINE & SIZE
	DROP INLET (DI)		RECLAIMED WATER LINE & SIZE
	AREA DRAIN (AD)		IRRIGATION SERVICE LINE & SIZE
	PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)		NON POTABLE WATER LINE & SIZE
	STORM DRAIN CLEANOUT		FIRE SPRINKLER SVC. LINE & SIZE
	ELEVATION		GATE VALVE
	FINISHED FLOOR ELEVATION		WATER METER
	BUILDING PAD ELEVATION		FIRE HYDRANT ASSEMBLY
	CONCRETE SIDEWALK		FIRE DEPARTMENT CONNECTION
	GRADED DIRECTION FOR DRAINAGE FLOW		DETECTOR CHECK VALVE
	SWALE		DOUBLE DETECTOR CHECK VALVE
	SLOPE		REDUCED PRESSURE BACKFLOW PREVENTER
	TREE TO BE REMOVED		BUTTERFLY VALVE
	TREE TO REMAIN		AIR RELEASE VALVE + SIZE
	RETAINING WALL		BLOW-OFF VALVE + SIZE
	OVERLAND RELEASE PATH		POST INDICATOR VALVE
PROPOSED SANITARY SEWER SYMBOLS:			
	SANITARY SEWER LINE (SIZE AND FLOW SHOWN)		
	SANITARY SEWER MANHOLE (SSMH)		
	SEWER CLEANOUT		
	SEWER FLUSHER BRANCH		

SHEET INDEX

NO.	SHEET DESCRIPTION
CIVIL	
C0.0	COVER SHEET
C0.1	TOPOGRAPHIC SURVEY
C1.0.1	SITE ACCESS PLAN
C1.0.2	FIRE ACCESS PLAN
C1.1	FENCING AND CONSTRUCTION PLAN
C2.1	DETAILS AND SECTIONS
C2.2	DETAILS AND SECTIONS
ELECTRICAL	
T000	TECHNOLOGY COVER SHEET
T200	TECHNOLOGY FLOOR PLAN
T800	TECHNOLOGY DETAILS

STAMP:



CK McClatchy
High School
2023 Fencing

3066 Freepoint Boulevard
Sacramento, CA 95818

TOTAL SHEET COUNT

10

REVISIONS

NO.	DESCRIPTION
1	ADDENDUM NO.1

OWNER/USER

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

DISTRICT CONTACT:
[CONTACT]
FACILITIES SUPPORT SERVICES
(916) 264-4075
[EMAIL]

ADDITIONAL CONTACTS:
TROY MIETZ
TROY-MIETZ@SCUSD.EDU

PROJECT TEAM

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

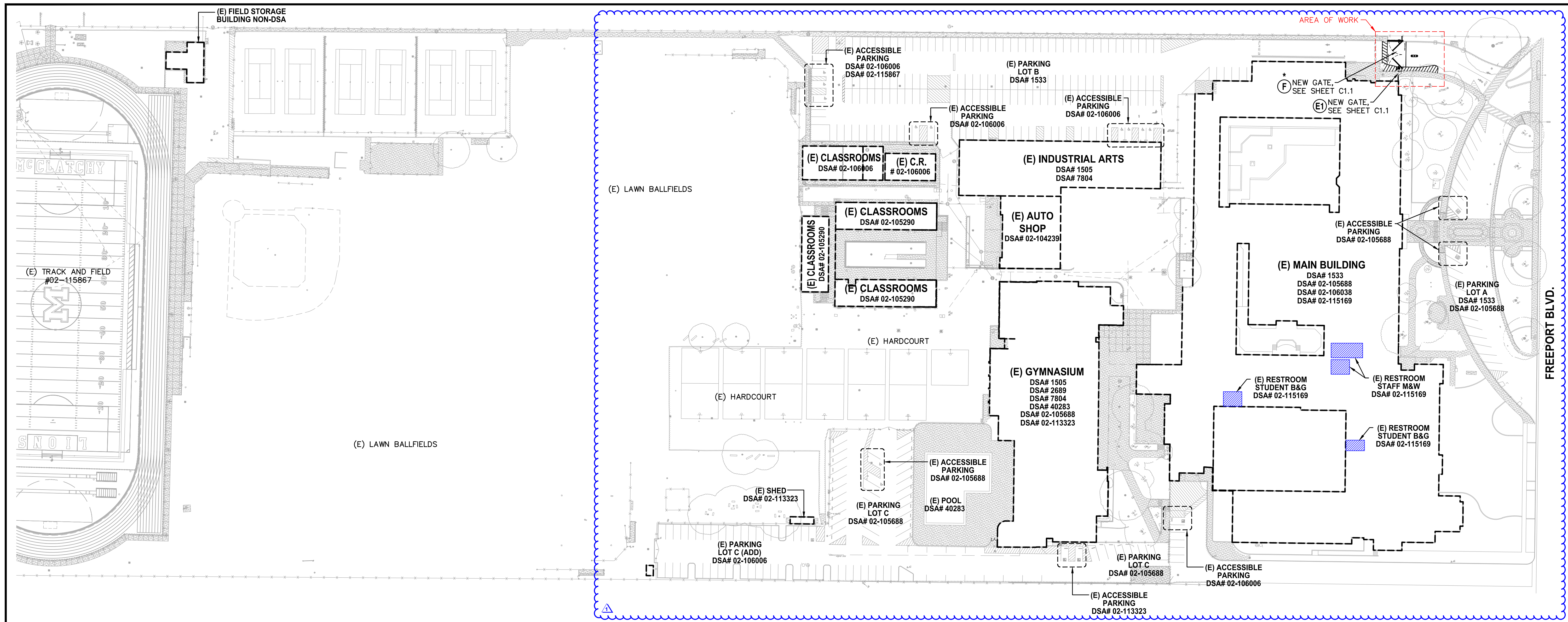
ELEC/LV: KMM SERVICES, INC.
5433 EL CAMINO AVENUE, SUITE 5
CARMICHAEL, CA 95608
PHONE: (916) 359-4000
WWW.KMMSERVICES.COM

SHEET TITLE:

COVER SHEET

SHEET NO.

C0.0



DSA

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

OWNER:
Sacramento City Unified School District
Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

CONSULTANT:

STAMP:
REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
No. C74698
STATE OF CALIFORNIA
8/11/2023

CK McClatchy High School
2023 Fencing

3066 Freeport Boulevard
Sacramento, CA 95818

1 SITE ACCESS PLAN

SCALE 1" = 60'-0"

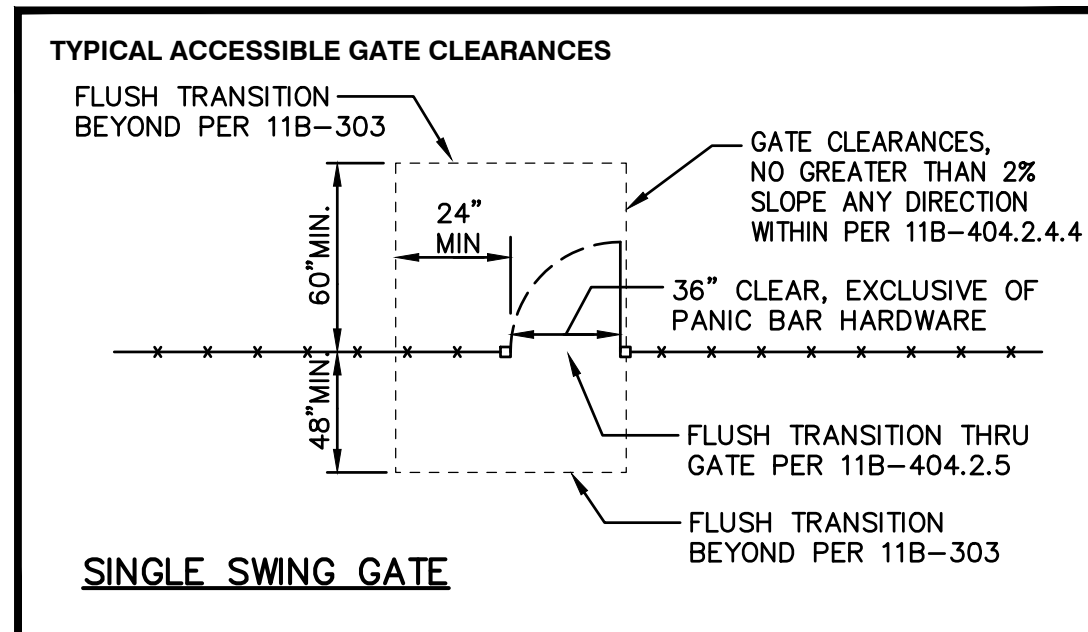
GATE LEGEND

○ ORNAMENTAL METAL GATES DETAIL REF.

ⓔ SINGLE ACCESSIBLE PEDESTRIAN GATE WITH ALL ACCESSIBLE HARDWARE & PANIC FOR EGRESS. (4) C2.2

ⓕ FIRE LANE VEHICULAR ACCESS GATE, MINIMUM 20' CLEAR WITH KNOX BOX OR KNOX LOCK. (2) C2.2 (8) C2.1

(* = WHERE "X" SHOWN ON PLAN, VEHICULAR GATE IS PROVIDED WITH ELECTRONIC ACCESS CONTROLS. NOTE: ELECTRONIC CONTROLS CANNOT LOCK OUT INSIDE GATE EGRESS. GATE OPENER SHALL ALSO MEET UL 325 AND BE INSTALLED PER ASTM F2200.)



- GENERAL SITE PLAN AND ACCESS NOTES:**
- 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.
 - Slopes in direction of P.O.T. greater than 1:20 are considered ramps (11B-405); Please show all.
 - 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 1/2" maximum in the direction of traffic flow per CBC Section 11B-302.3; Provide manufactures cut-sheets for review.
 - 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.

PROJECT PARKING CALCULATION

PARKING LOT A PARKING TOTALS

	EXISTING	PROPOSED
STANDARD PARKING STALLS	159	159
ACCESSIBLE PARKING SPACES	9	9
OVERALL TOTAL PARKING SPACES	168	168

(E) ACCESSIBLE SPACE REQUIREMENTS

	REQUIRED	PROVIDED
REQUIRED ACCESSIBLE SPACES (CAR)	4	5
REQUIRED ACCESSIBLE SPACES (VAN)	1	4
TOTAL REQUIRED ACCESSIBLE SPACES (PER 2022 CBC SECTION 11B-208.2)	5	9

PARKING LOT B PARKING TOTALS

	EXISTING	PROPOSED
STANDARD PARKING STALLS	26	23
ACCESSIBLE PARKING SPACES	2	2
OVERALL TOTAL PARKING SPACES	28	25

(E) ACCESSIBLE SPACE REQUIREMENTS

	REQUIRED	PROVIDED
REQUIRED ACCESSIBLE SPACES (CAR)	1	1
REQUIRED ACCESSIBLE SPACES (VAN)	1	1
TOTAL REQUIRED ACCESSIBLE SPACES (PER 2022 CBC SECTION 11B-208.2)	2	2

PARKING LOT C PARKING TOTALS

	EXISTING	PROPOSED
STANDARD PARKING STALLS	100	100
ACCESSIBLE PARKING SPACES	6	6
OVERALL TOTAL PARKING SPACES	106	106

(E) ACCESSIBLE SPACE REQUIREMENTS

	REQUIRED	PROVIDED
REQUIRED ACCESSIBLE SPACES (CAR)	3	3
REQUIRED ACCESSIBLE SPACES (VAN)	1	3
TOTAL REQUIRED ACCESSIBLE SPACES (PER 2022 CBC SECTION 11B-208.2)	4	6

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."

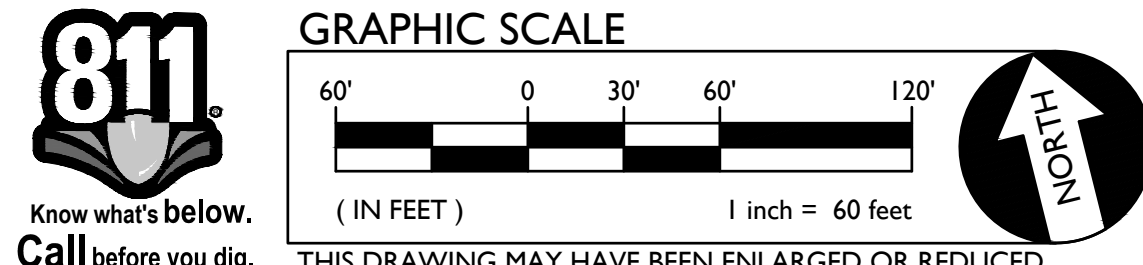
FENCING ONLY PROJECT ACCESSIBLE PATH OF TRAVEL

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:

- 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.
- THE MINIMUM WIDTH OF THE P.O.T. IS 48" AT ANY GIVEN POINT. (11B-403.5.1)
- THE SURFACE OF THE P.O.T. STABLE, FIRM, AND SLIP RESISTANT. (11B-403.2)
- THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL IS 5.0% (11B-403.3), UNLESS OTHERWISE INDICATED, WITH THE FOLLOWING EXCEPTIONS:
 - THE SLOPED PORTION OF "RAMP" DOES NOT EXCEED 8.33% (1V:12H) IN THE DIRECTION OF TRAVEL (11B-403.2).
 - 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).
- THE CROSS SLOPE OF THE ACCESSIBLE PATH OF TRAVEL DOES NOT EXCEED 2% AT ANY GIVEN POINT (11B-403.3).
- THE ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307).
- THERE ARE NO PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307).
- PASSING SPACES AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART. (11B-403.5.3)
- PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART. (11B-407.3)
- THERE IS NO DROP-OFF OVER 4" AT THE EDGE OF WALK OR LANDING. (11B-303.5)
- ARCHITECT AND CONTRACTOR SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.
- THERE ARE NO GRATINGS WITHIN THE PATH OF TRAVEL WITH GRATE OPENINGS EXCEEDING 1/2" IN THE DIRECTION OF TRAVEL. (11B-302.3)



LEGEND

- EXISTING BUILDING NOT MODERNIZED BY THIS APPLICATION.
- STORAGE CONTAINER / SHED
- 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 (SEE SHEET C2.1)
- EXISTING CONCRETE WALKWAY (SEE SHEET C0.1-C0.2 & C2.1)
- SCOPE OF PROJECT
- PROPERTY LINE
- ROAD CENTERLINE
- ST STORAGE, SHED/CONTAINER
- ACCESSIBLE RESTROOM (PROJECT COMPLIANCE)

REVISIONS

NO.	DESCRIPTION
1	ADDENDUM NO.1

DRAWN: SMN	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-052
DESIGNED: SMN/AT	DATE: 4/24/2023

SHEET TITLE:

SITE ACCESS PLAN

SHEET NO.

C1.0.1

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:	C.K. McCLATCHY HIGH SCHOOL
Project Address:	3066 FREEPORT BOULEVARD, SACRAMENTO, CA 95818

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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/	Moderate <input type="checkbox"/>	High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)		Very High <input type="checkbox"/>
		WIFA <input type="checkbox"/>

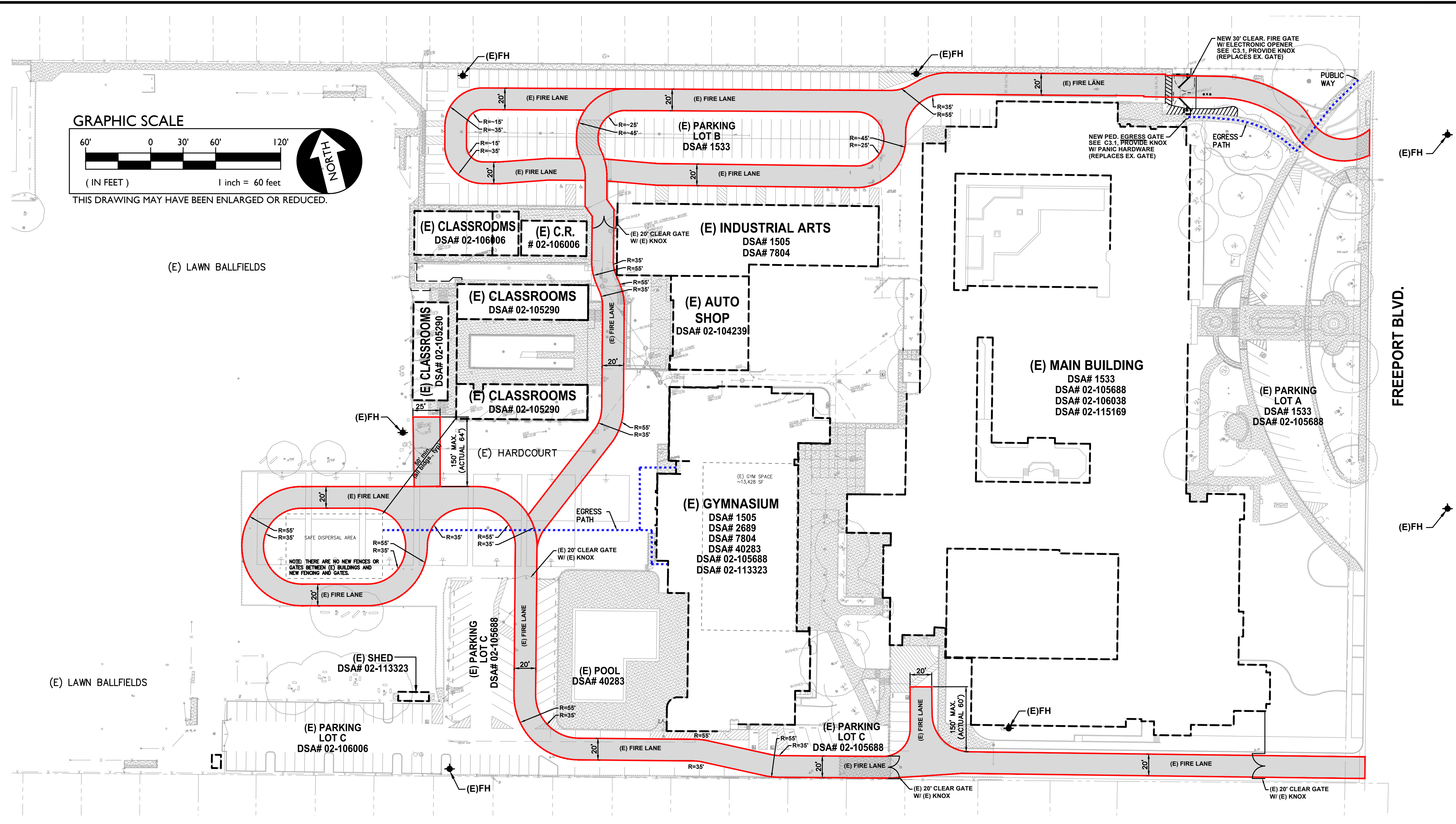
DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED			
	Yes	No	N/A	N/R
4. Emergency vehicle access roadways do not meet CFC requirements.			<input checked="" type="checkbox"/>	
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.	<input type="checkbox"/>	<input type="checkbox"/>		
5. Fire Hydrants: Number and spacing does not meet CFC requirements.			<input checked="" type="checkbox"/>	
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.	<input type="checkbox"/>	<input type="checkbox"/>		
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.			<input checked="" type="checkbox"/>	
6a. Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.	<input type="checkbox"/>	<input type="checkbox"/>		
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			<input checked="" type="checkbox"/>	
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.	<input type="checkbox"/>	<input type="checkbox"/>		

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:	City of Sacramento Fire Department
LFA Review Official:	King Tunson
Title:	Program Specialist
Work Phone:	(916) 808-1358
Work Email:	ktunson@sfd.cityofsacramento.org
LFA Reviewer's Signature:	_____
Date:	_____



1 FIRE ACCESS PLAN

SCALE 1" = 60'-0"

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.

NOTE:
All new and existing fire lanes are asphalt or concrete paved unless otherwise stated.

TYPICAL FIRE LANE
CLEAR WIDTH 20 FEET
CLEAR HEIGHT 13.5 FEET
INSIDE RADIUS 35 FEET MIN.
OUTSIDE RADIUS 55 FEET MIN.

ELECTRIC GATE OPENER REQUIREMENTS
ELECTRIC GATE OPENER, WHEN ALONG THE FIRE APPARATUS ACCESS LANE, PER CFC 503.6.1 SHALL BE PER UL 325. THE GATE INSTALLATION IS DESIGNED AND SHALL BE CONSTRUCTED AND INSTALLED TO COMPLY WITH ASTM F2200.

FIRE LANE DESIGNATION
ALL FIRE LANES ON THIS PLAN SHALL BE DESIGNATED IN ACCORDANCE WITH THE STRIPING PLANS, UTILIZING ONE OF THE FOLLOWING APPROVED MEANS:

- CURBS - PAINT CURB TOP AND FACE RED WITH COMMERCIAL GRADE RED TRAFFIC PAINT. ON FACE OF CURB, PAINT 4" TALL WHITE LETTERING STATING "NO PARKING - FIRE LANE" AT 25' O.C. CENTERED ON FACE.
- PAVING - PAINT 6" WIDE RED STRIPE ON PAVEMENT WITH COMMERCIAL GRADE RED TRAFFIC PAINT. CENTERED IN STRIPE, PAINT 4" TALL WHITE LETTERING STATING "NO PARKING - FIRE LANE" AT 25' O.C.
- SIGNAGE - POSTING OF SIGNS COMPLIANT WITH CFC 2016, APPENDIX D103.6 EVERY 50 FEET.

EXCEPTIONS:
• STREETS 20' WIDE TO 26' WIDE SHALL BE MARKED ON BOTH SIDES AS STATED ABOVE.
• STREETS GREATER THAN 26' WIDE NEED ONLY MARKING ON ONE SIDE AS STATED ABOVE.
• EDGES OF FIRE LANES AT PARKING DO NOT REQUIRE DESIGNATION.

SEE STRIPING PLAN FOR ACTUAL REQUIRED STRIPING.

DSA

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

OWNER:
Sacramento City Unified School District
Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

CONSULTANT:

STAMP:
ANTHONY J. TASSANO
REGISTERED PROFESSIONAL ENGINEER
NOV. 1988
STATE OF CALIF. CIVIL
8/11/2023

CK McClatchy High School 2023 Fencing
3066 Freeport Boulevard
Sacramento, CA 95818

REVISIONS	
NO.	DESCRIPTION
△	ADDENDUM NO.1

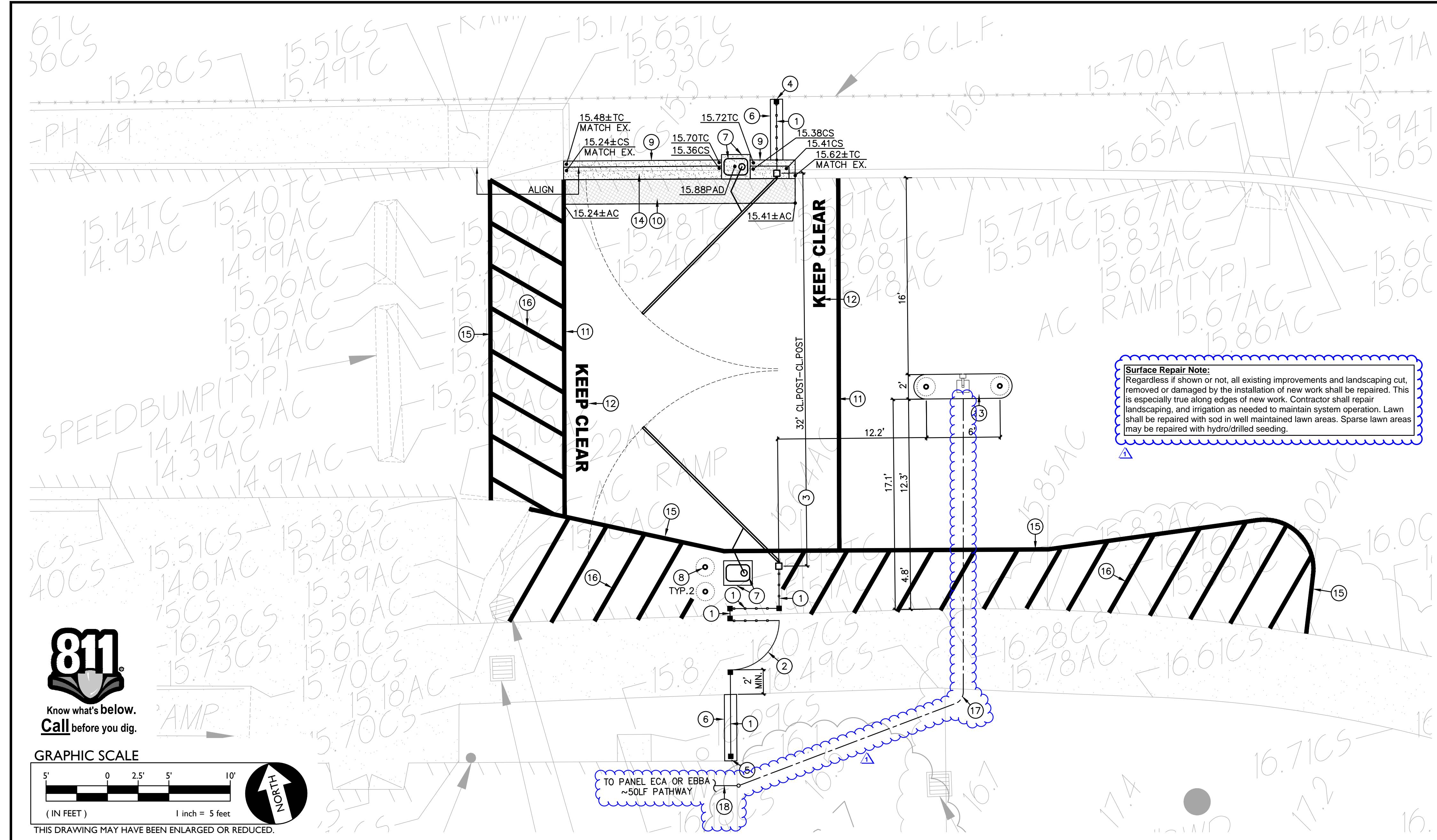
DRAWN: SMN	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-052
DESIGNED: SMN/AT	DATE: 4/24/2023

ISSUANCE:

SHEET TITLE:
SITE FIRE ACCESS PLAN

SHEET NO.
C1.0.2

FILENAME: I:\23-052\Civil\DWG\23-052-C1.0.2.DWG PLOTTED: Friday, August 11, 2023



- ### CONSTRUCTION NOTES
- PLACE 6" TALL 3-RAIL ORNAMENTAL FENCING. REFER TO SPECIFICATIONS SECTION 32 31 19. REFER TO GRADING/CONSTRUCTION PLAN FOR FOUNDATION CONDITION, I.E. SLAB EDGE, CONCRETE APRON, ETC. SEE ALSO TYPICAL FENCING DETAILS PROVIDED. (1 C2.2)
 - CONSTRUCT 6" TALL BLACK 3-RAIL ORNAMENTAL 48" WIDE (NOMINAL) SINGLE SWING PEDESTRIAN GATE WITH PANIC HARDWARE AND CLOSERS AND ELECTRONIC ACCESS. REFER TO SPECIFICATIONS SECTION 32 31 13. AND DETAILS PROVIDED. (4 C2.2)
 - CONSTRUCT 6" TALL BLACK 3-RAIL ORNAMENTAL DOUBLE SWING MAINT. ACCESS GATE, CLEAR WIDTH AS NOTED, REFER TO SPECIFICATIONS SECTION 32 31 19. (2 C2.2)
 - CONNECT TO EXISTING FENCING/POST. IF NO EXISTING POST, SET NEW POST AND CONNECT BOTH NEW AND EXISTING FENCING TO NEW POST. (1 C2.1)
 - SET NEW POST SO THAT THERE IS NO MORE THAN 4" GAP BUT NO LESS THAN 2" GAP BETWEEN EXISTING WALL OR OTHER OBSTRUCTION AND EDGE OF NEW POST. AT CONTRACTORS OPTION, POST MAY BE SET AT 12" FROM OBSTRUCTION AND A WELDED CLOSURE PANEL INSTALLED TO REDUCE GAP TO THE ABOVE STATED. CLOSURE PANEL SHALL MATCH THAT OF ADJOINING FENCING AND MAY BE ATTACHED TO WALL OR OBSTRUCTION. IF PLANNED TO ATTACH, CONTRACTOR TO PROVIDE METHOD OF ATTACHMENT FOR APPROVAL. (5 C2.1)
 - CONSTRUCT 12" WIDE CONCRETE FENCE APRON PER THE DETAIL PROVIDED. (1 C2.1)
 - PROVIDE AN INSTALL GATE CLOSER AND 36"x36" MIN. CONCRETE PAD PER THE DETAIL PROVIDED. EXACT PAD LOCATION SHALL BE ESTABLISHED FROM MANUFACTURER RECOMMENDED INSTALLATION DRAWINGS. CONCRETE PAD SHALL BE ELEVATED 6" ABOVE SURROUNDING GRADE. (6 C2.1)
 - PROVIDE AN INSTALL PROTECTIVE PIPE BOLLARD PER THE DETAIL PROVIDED. (7 C2.1)
 - CONSTRUCT CONCRETE CURB PER THE DETAIL PROVIDED. (8 C2.1)
 - PLACE 3" AC PAVING OVER 12" CLASS II AB ON COMPACTED SUBGRADE. SEE SPECIFICATIONS. (4 C2.1)
 - PAINT 6" WIDE WHITE STRIPE AS SHOWN. (8 C2.1)
 - PAINT 12" TALL WHITE LETTERS STATING "KEEP CLEAR" AS SHOWN. (4 C2.1)
 - CONSTRUCT CONCRETE MEDIAN WITH KEYPAD PEDESTAL AND BOLLARDS PER THE DETAIL PROVIDED. (4 C2.1)
 - CONSTRUCT 6" THICK CONCRETE APRON PER THE DETAIL PROVIDED. APRON MAY BE POURED MONOLITHIC WITH CURB. (4 C2.1)
 - PAINT 4" WIDE WHITE STRIPE AS SHOWN. (4 C2.1)
 - PAINT 4" WIDE WHITE CROSS HATCH STRIPING AT 36" ON CENTER. (4 C2.1)
 - TRENCH AND INSTALL 1" CONDUIT WITH CONDUCTORS AS NEEDED TO SUPPLY ELECTRIC GATE OPENERS. REFER TO OPENER SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR WIRE SIZE, BUT SHALL BE #10 MINIMUM. PATCH PATCH BACK ALL TRENCHES TO MATCH EXISTING PER SPECIFICATIONS. (4 C2.1)
 - CONSTRUCT EXTERIOR RISER AND ENTER BUILDING IN ACCORDANCE WITH SPECIFICATION. PROVIDE ALL PATHWAY AND CONDUIT AND MIN. #10 CONDUCTORS TO CONNECT TO PANEL ECA WITHIN BUILDING A, OR PANEL EBBA AT CONTRACTOR'S OPTION. PROVIDE ALL PATCH BACK OF FINISHES AND PENETRATIONS. PROVIDE NEW 15A BREAKER PER SPECIFICATIONS. (4 C2.1)

GRAPHIC SCALE
5' 0 2.5' 5' 10'
(IN FEET) 1 inch = 5 feet

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

DSA

OWNER:
 Sacramento City Unified School District

Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

CONSULTANT:
 ANTHONY J. TASSANO
REGISTERED PROFESSIONAL ENGINEER
NO. C74699
STATE OF CALIFORNIA
8/21/2023

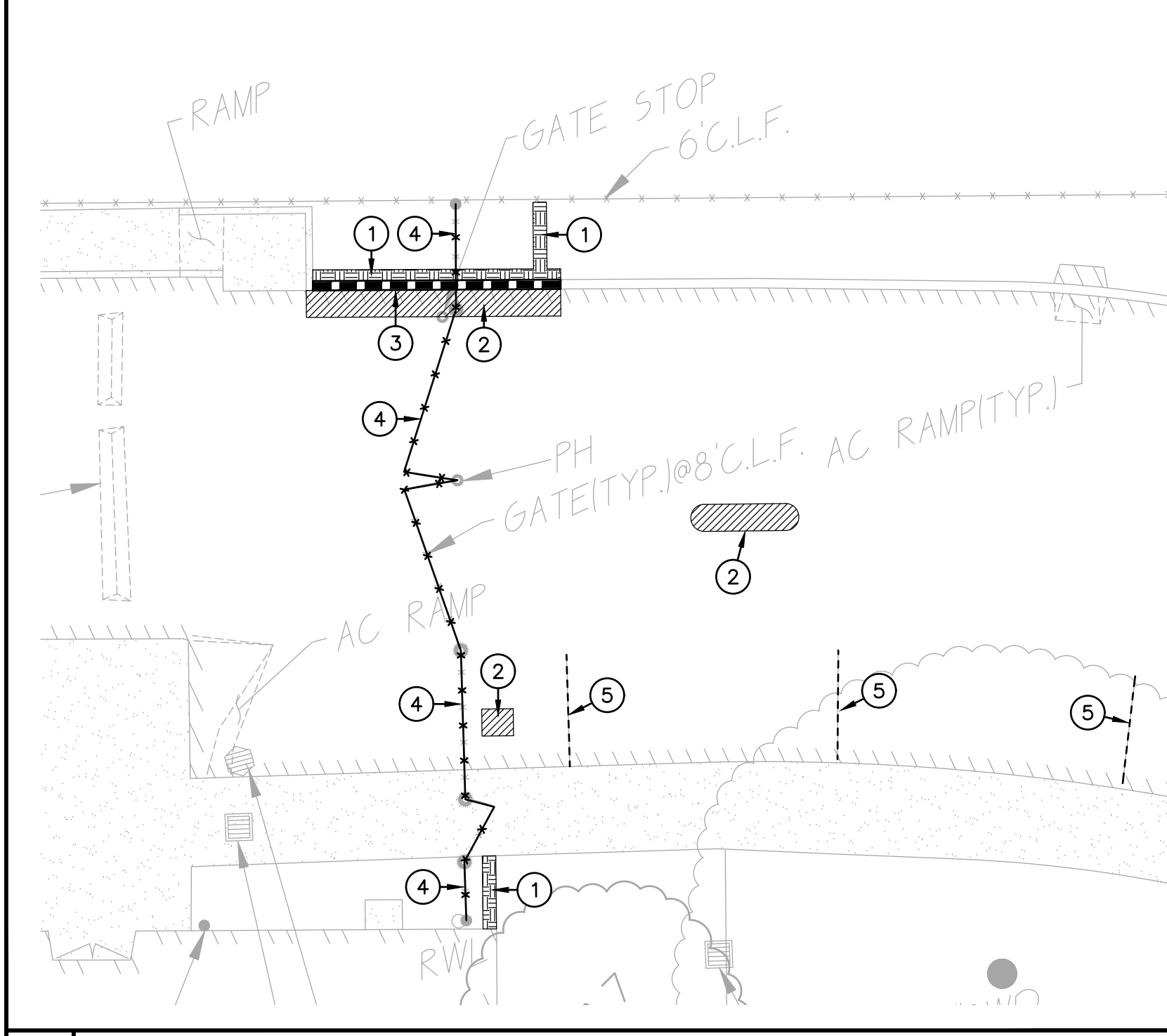
CK McClatchy High School
2023 Fencing

3066 Freeport Boulevard
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A FENCING AND CONSTRUCTION PLAN

- #### DEMOLITION GENERAL NOTES
- 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 ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
 - NO BURNING OR BLASTING SHALL BE PERMITTED.
 - ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
 - ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
 - ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
 - THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN 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 DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.
 - 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.
 - EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REINSTALLED AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
 - ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
 - CONTRACTOR SHALL COMPLY WITH CHAPTER 33 OF THE 2019 CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" AT ALL TIMES DURING CONSTRUCTION.

- CONTRACTOR SHALL HIRE A UTILITY LOCATING COMPANY AND SHALL SCAN THE ENTIRE AREA WITHIN THE LIMITS OF NEW WORK. ALL UTILITIES LOCATED SHALL BE MARKED AND PROTECTED DURING THE LIMING OPERATIONS AS WELL AS ANY EXCAVATING TASKS. ANY LOCATED UTILITY DAMAGED WITHIN THE LIMITS OF WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.
 - ALL DEMOLITION SHALL BE APPROPRIATELY SUPPORTED AND REINFORCED DURING REMOVAL TO PREVENT INJURY FROM FALLING, PROJECTILE, OR OTHERWISE MOVING DEBRIS OR OTHER DELETERIOUS MATERIAL. ONSITE SAFETY WITHIN THE LIMITS OF WORK IS THE CONTRACTORS SOLE RESPONSIBILITY.
- Concrete Sawcut Note:**
SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND NEAREST THE 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.
- Dust Control:**
CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES AT ALL TIMES WHEN A SITE CONSTRUCTION ACTIVITY MAY GENERATE AIRBORNE DUST, INCLUDING BUT NOT LIMITED TO, APPLICATION OF WATER, HAIL TRUCK COVERS, STOCKPILE COVERS, STRAW/MULCH, APPROVED SOIL STABILIZATION CHEMICALS/TACKIFIERS, RETAINED VEGETATION, HYDROSEED, ETC. REFER TO CONTRACTORS SWPPP, PROJECT SPECIFICATION SECTION 31 10 00, 1.06.



- #### DEMOLITION NOTES
- NOTE: NOT ALL NOTES MAY BE USED ON THIS SHEET.
- AND/OR LEGEND (F) DEMOLITION NOTES
- REMOVE ALL PLANTS, SHRUBS, EXISTING VEGETATION, AND IRRIGATION SYSTEMS. REFER TO EARTHWORK SPECIFICATIONS FOR ADDITIONAL SITE CLEARING REQUIREMENTS. SEE GENERAL IRRIGATION NOTE, THIS SHEET.
 - REMOVE EXISTING ASPHALT PAVING AND BASE TO ALLOW FOR NEW WORK. AC MAY BE GRINDED AND BLENDED WITH EXISTING BASE, EXCAVATED AND USED AS FILL, REFER TO EARTHWORK SPECIFICATIONS.
 - REMOVE EXISTING CONCRETE CURB, MOWBAND, APRON OR GUTTER AS SHOWN.
 - REMOVE EXISTING CHAIN LINK FENCING AND GATES AS SHOWN. REMOVE POST TO INCLUDE CONCRETE FOOTINGS. REPAIR FINISHED SURFACES.
 - PAINT EXISTING STRIPING BLACK WITH MIN. 2 COATS COMMERCIAL GRADE BLACK TRAFFIC STRIPING PAINT.

REVISIONS	
NO.	DESCRIPTION
1	ADDENDUM NO.1

DRAWN: SMN	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-052
DESIGNED: SMN/AT	DATE: 4/24/2023

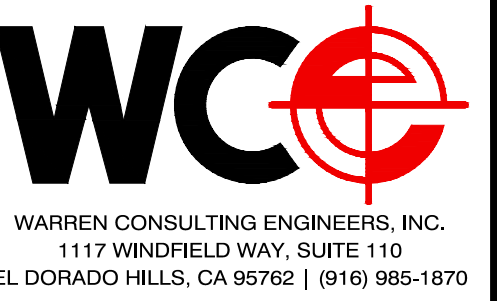
SHEET TITLE:
FENCING AND CONSTRUCTION PLAN

SHEET NO.
C1.1

FILENAME: I:\23-052\CIVIL\DWG\23-052-C1.DWG PLOTTED: Monday, August 21, 2023

FERN BACON MIDDLE SCHOOL 2023 FENCING

4140 Cuny Avenue
Sacramento, CA 95823



OWNER:
Sacramento City
Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528



Fern Bacon
Middle School
2023 Fencing
4140 Cuny Avenue
Sacramento, CA 95823

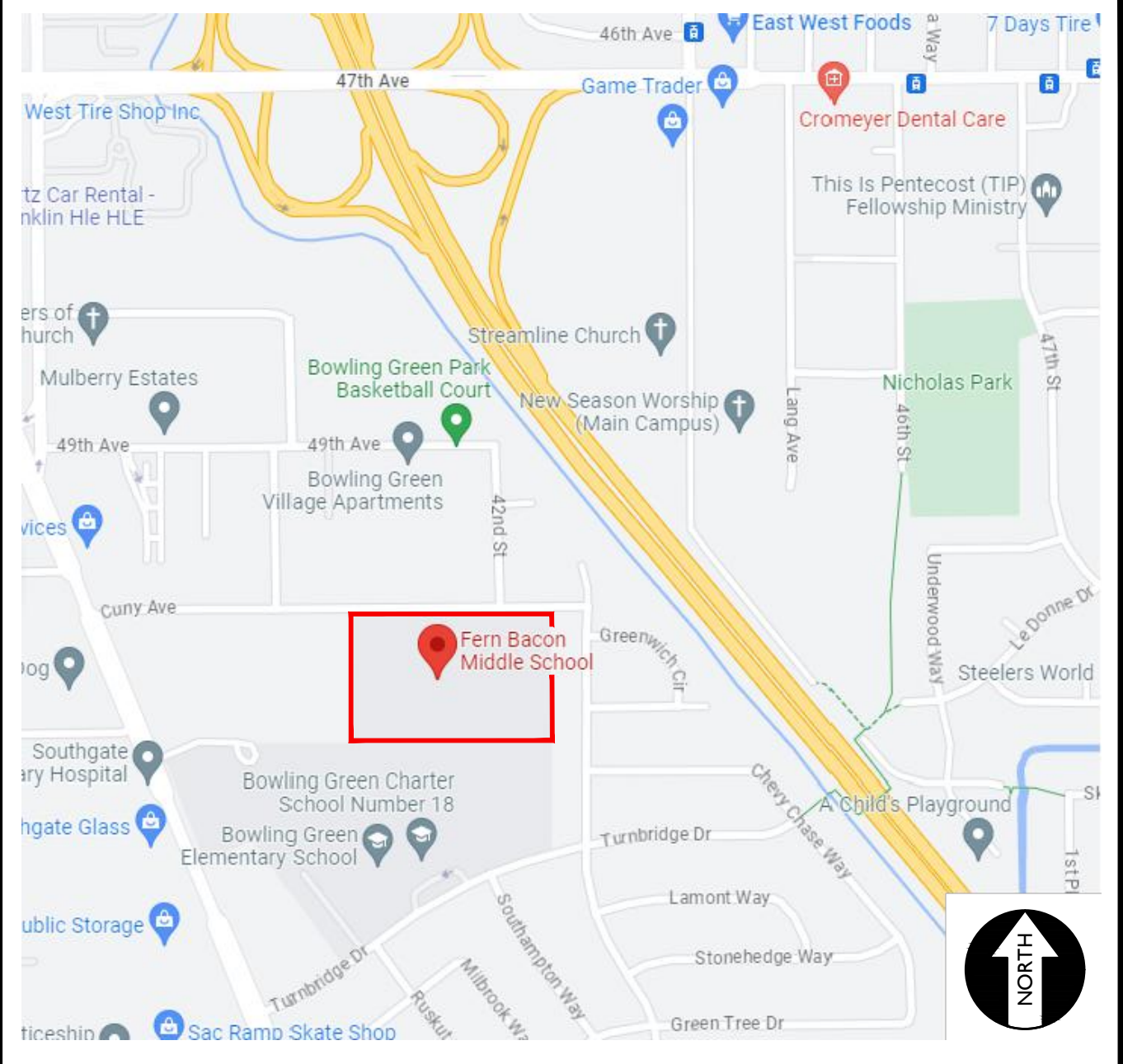
ABBREVIATIONS

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	LP	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	PL	PROPERTY LINE
CL	CLASS	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	PUE	PUBLIC UTILITY EASEMENT
CATV	CABLE TELEVISION	PVC	POLYVINYL CHLORIDE
CO	CLEANOUT	RCF	REINFORCED CONCRETE PIPE
COMM	COMMUNICATION	R	RADIUS
CONC.	CONCRETE	RIM	MANHOLE RIM ELEVATION
CONST.	CONSTRUCT	RP	REDUCED PRESSURE BACKFLOW PREVENTER
CR	CURB RETURN	RW	RIGHT OF WAY
CS	CONCRETE SURFACE	SD	SCHEDULE
DC	DOUBLE CHECK VALVE	SD	STORM DRAIN
DDC	DOUBLE DETECTOR CHECK VALVE	SDMH	STORM DRAIN MANHOLE
DG	DECOMPOSED GRANITE	SG	SUBGRADE ELEVATION
DJ	DROP INLET	SI	SANITARY SEWER
DIA	DIAMETER	SS	SANITARY SEWER MANHOLE
DIP	DUCTILE IRON PIPE	STD	STANDARD
DWG	DRAWING	S/W	SIDEWALK
DS	DOWNSPOUT	T	TELEPHONE
DS	ELECTRIC	TC	TOP OF CURB
EP	EDGE OF PAVEMENT	TD	TRENCH DRAIN
ESMT	EASEMENT	TDCB	TRENCH DRAIN CATCH BASIN
EX	EXISTING	TP	TELEPHONE POLE
FS	FIRE SERVICE LINE	TRW	TOP OF RETAINING WALL
FDC	FIRE DEPARTMENT CONNECTION	TSW	TOP OF SEAT WALK
FL	FLOWLINE	TW	TOP OF WALK ELEVATION
FM	SANITARY SEWER FORCE MAIN	U	UTILITY
FF	FINISHED FLOOR ELEVATION	UG	UNDERGROUND
FFH	FIRE HYDRANT	UN	UNLESS OTHERWISE NOTED
G	GAS	VCP	VITRIFIED CLAY PIPE
GR	GRATE ELEVATION	W	WATER
GRD	GRADE ELEVATION	W/O	WITHOUT
GV	GATE VALVE	WV	WATER VALVE
HB	HOSE BIB		
HBD	HEADER BOARD		
HDPE	HIGH DENSITY POLYETHYLENE PIPE		
HP	HIGH POINT		
INV	PIPE INVERT ELEVATION		

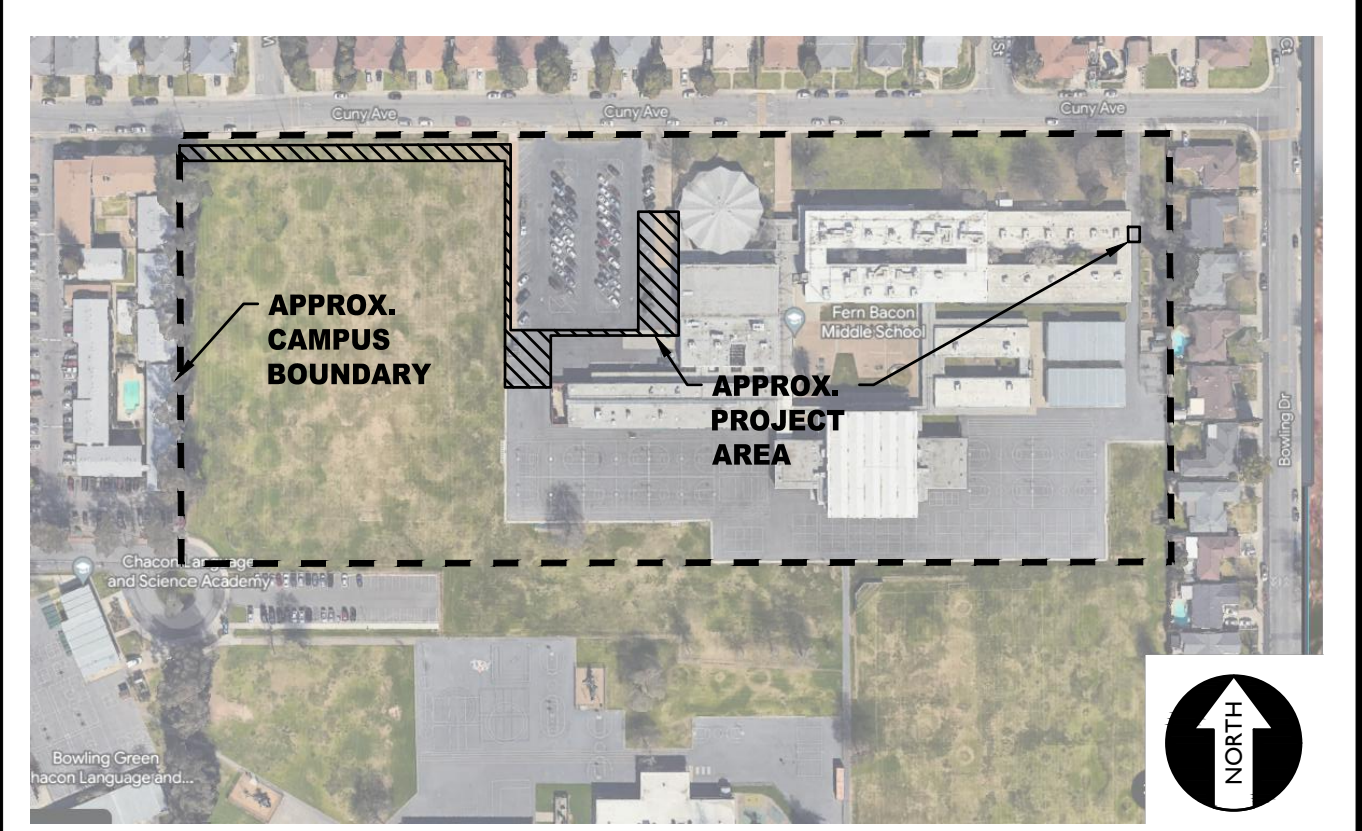
VICINITY MAP

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 (2018 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
- 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2018 INTERNATIONAL FIRE CODE AND 2019 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 (CEC), Part 11, Title 24 CCR.

PROJECT NARRATIVE

CONSTRUCTION OF SITE FENCING AND GATES WITH ELECTRONIC ACCESS CONTROLS FOR SITE SECURITY, TOGETHER WITH ASSOCIATED FLATWORK AND PAVING REPAIRS FOR ACCESSIBILITY COMPLIANCE OF THOSE FENCES AND GATES, AS WELL AS THE REPLACEMENT OF FLATWORK AND PAVING FOR ACCESSIBILITY COMPLIANCE OF THE ACCESSIBLE PARKING.

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

APPLICABLE REGULATIONS

- ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- 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.
- 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)
- 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.
- THIS PROJECT REQUIRES INSPECTOR CLASS 3
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

SPECIAL TESTING:

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

DEFERRED APPROVALS

N/A

STATEMENTS:

N/A

GENERAL NOTES

- THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM RECORDS 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.
- 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.
- 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.
- 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.
- 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.
- 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 CONTRACTOR'S RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
- WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTOR'S 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 JOINTS 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.
- 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.
- 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.
- 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 CONTRACTOR'S EXPENSE.
- 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 CONTRACTOR'S EXPENSE.
- 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.
- 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 CONSTRUCTION.
- 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.
- ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDRO SEEDING UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
- 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.

GENERAL PAVING SURFACE NOTES:

- 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.
- 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.

SYMBOLS LEGEND

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

PROPOSED GRADING & DRAINAGE SYMBOLS:		PROPOSED WATER SYMBOLS:	
	STORM DRAIN LINE (SIZE AND FLOW SHOWN)		WATER LINE & SIZE
	STORM DRAIN MANHOLE (SDMH)		FIRE LINE & SIZE
	CATCH BASIN (CB)		DOMESTIC WATER LINE & SIZE
	DROP INLET (DI)		RECLAIMED WATER LINE & SIZE
	AREA DRAIN (AD)		IRRIGATION SERVICE LINE & SIZE
	PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)		NON POTABLE WATER LINE & SIZE
	STORM DRAIN CLEANOUT		FIRE SPRINKLER SVC. LINE & SIZE
	ELEVATION		GATE VALVE
	FINISHED FLOOR ELEVATION		WATER METER
	BUILDING PAD ELEVATION		FIRE HYDRANT ASSEMBLY
	CONCRETE SIDEWALK		FIRE DEPARTMENT CONNECTION
	GRADED DIRECTION FOR DRAINAGE FLOW		DETECTOR CHECK VALVE
	SWALE		DOUBLE DETECTOR CHECK VALVE
	SLOPE		REDUCED PRESSURE BACKFLOW PREVENTER
	TREE TO BE REMOVED		BUTTERFLY VALVE
	TREE TO REMAIN		AIR RELEASE VALVE + SIZE
	RETAINING WALL		BLOW-OFF VALVE + SIZE
	OVERLAND RELEASE PATH		POST INDICATOR VALVE
PROPOSED SANITARY SEWER SYMBOLS:			
	SANITARY SEWER LINE (SIZE AND FLOW SHOWN)		
	SANITARY SEWER MANHOLE (SSMH)		
	SEWER CLEANOUT FLUSHER BRANCH		

SHEET INDEX

NO.	SHEET DESCRIPTION
00.0	COVER SHEET
00.1	TOPOGRAPHIC SURVEY
C1.0.1	SITE ACCESS PLAN
C1.0.2	FIRE ACCESS PLAN
C1.1	DEMOLITION PLAN
C2.1	CONSTRUCTION PLAN
C2.2	STRIPING PLAN
C3.1	FENCING PLAN
C4.1	DETAILS AND SECTIONS
C4.2	DETAILS AND SECTIONS
C4.3	DETAILS AND SECTIONS

ELECTRICAL	
T000	TECHNOLOGY COVER SHEET
T200	TECHNOLOGY FLOOR PLAN
T900	TECHNOLOGY SINGLE LINE AND DETAILS

TOTAL SHEET COUNT = 14

OWNER/USER

OWNER: SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVE. SACRAMENTO, CA 95824-4528
PHONE: (916) 643-9000
DISTRICT CONTACT: [CONTACT] FACILITIES SUPPORT SERVICES (916) 284-4075 [EMAIL]

ADDITIONAL CONTACTS:
TROY MIETZ
TROY-MIETZ@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

ELEC/LV: KMM SERVICES, INC.
5433 EL CAMINO AVENUE, SUITE 5
CARMICHAEL, CA 95608
PHONE: (916) 359-4000
WWW.KMMSERVICES.COM

REVISIONS

NO.	DESCRIPTION
1	ADDENDUM NO.1

DRAWN:	AT	SCALE:	AS NOTED
CHECKED:	AT	PROJECT NO.	23-049
DESIGNED:	AT	DATE:	4/24/2023

SHEET TITLE:

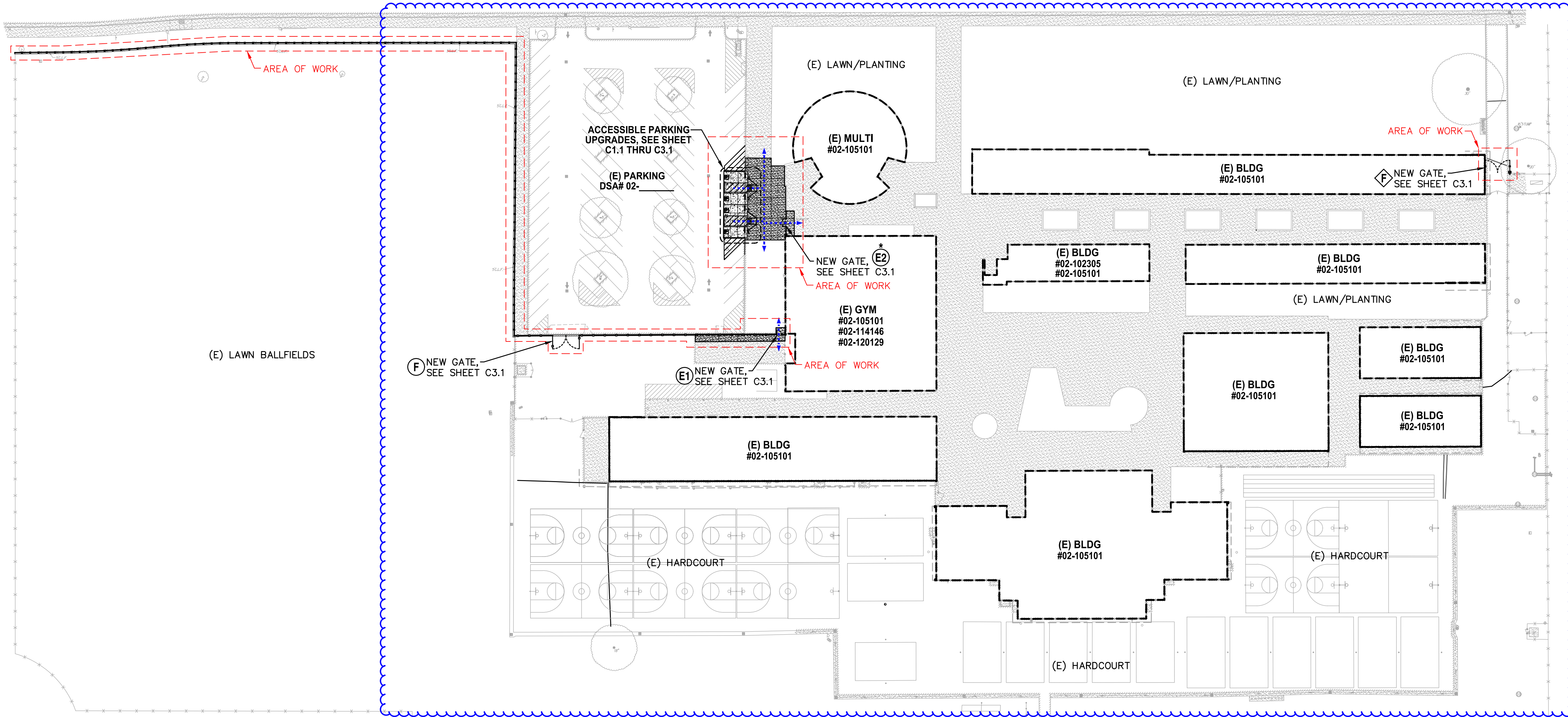
COVER SHEET

SHEET NO.

C0.0

CUNY AVE.

CUNY AVE.



**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 THAN 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."

PROJECT PARKING CALCULATION

PARKING LOT A PARKING TOTALS	EXISTING	PROPOSED
STANDARD PARKING STALLS	83	83
ACCESSIBLE PARKING SPACES	4	4
OVERALL TOTAL PARKING SPACES	87	87

(E) ACCESSIBLE SPACE REQUIREMENTS	REQUIRED	PROVIDED
REQUIRED ACCESSIBLE SPACES (CAR)	3	3
REQUIRED ACCESSIBLE SPACES (VAN)	1	1
TOTAL REQUIRED ACCESSIBLE SPACES (PER 2019 CBC SECTION 11B-208.2)	4	4

LEGEND

- EXISTING BUILDING NOT MODERNIZED BY THIS APPLICATION.
- STORAGE CONTAINER / SHED
- 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 (SEE SHEET C2.1)
- EXISTING CONCRETE WALKWAY (SEE SHEET C0.1-C0.2 & C2.1)
- SCOPE OF PROJECT
- PROPERTY LINE
- ROAD CENTERLINE
- STORAGE, SHED/CONTAINER
- ACCESSIBLE RESTROOM (PROJECT COMPLIANCE)

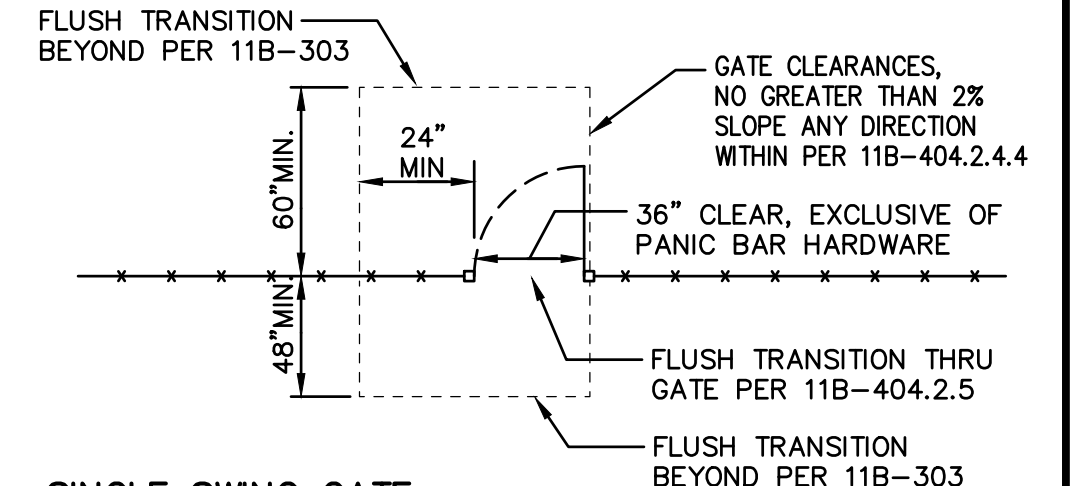
GATE LEGEND

- ORNAMENTAL METAL GATES DETAIL REF.
- SINGLE ACCESSIBLE PEDESTRIAN GATE WITH ALL ACCESSIBLE HARDWARE & PANIC FOR EGRESS. 5
C4.2
- DOUBLE ACCESSIBLE PEDESTRIAN GATE WITH ALL ACCESSIBLE HARDWARE & PANIC FOR EGRESS. 4
C4.2
- FIRE LANE VEHICULAR ACCESS GATE, MINIMUM 20' CLEAR WITH KNOX BOX OR KNOX LOCK. 2
C4.2
- CHAIN LINK GATES
- FIRE LANE VEHICULAR ACCESS GATE, MINIMUM 20' CLEAR WITH KNOX BOX OR KNOX LOCK. 4
C4.3

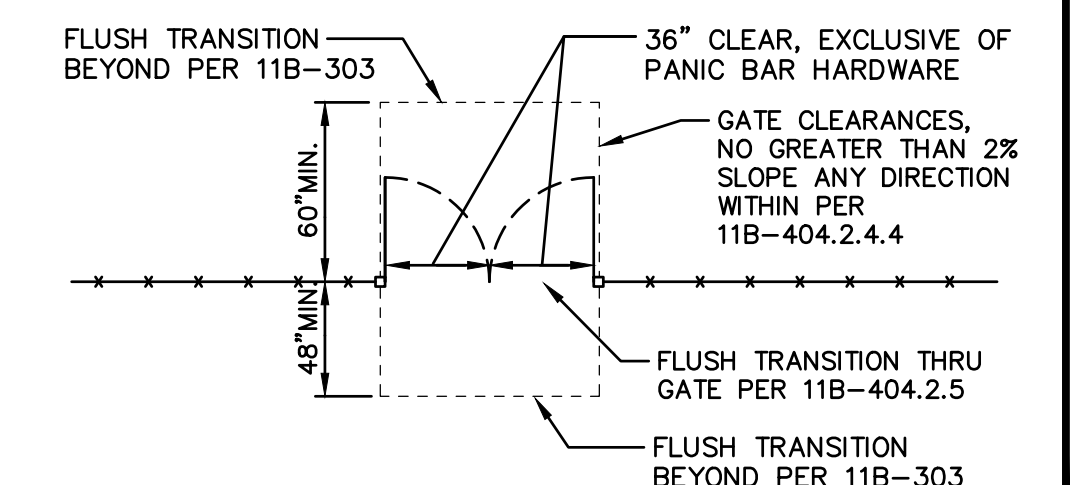
GENERAL SITE PLAN AND ACCESS NOTES:

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 1/2" maximum in the direction of traffic flow per CBC Section 11B-302.3; Provide manufacturers 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.

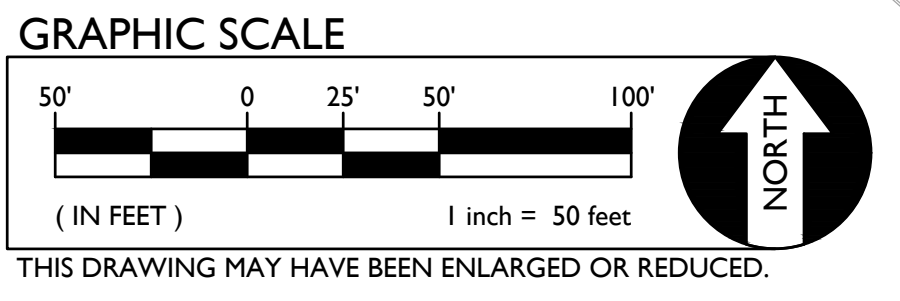
TYPICAL ACCESSIBLE GATE CLEARANCES



SINGLE SWING GATE



DOUBLE SWING GATE



THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

FILENAME: 23-049-CUNY-DMW-23-049-C1.01.DWG - PLOTTED: Friday, August 11, 2023

1 SITE ACCESS PLAN

SCALE 1" = 50'-0"

DSA

OWNER:

Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

Fern Bacon Middle School
2023 Fencing

4140 Cuny Avenue
Sacramento, CA 95823

REVISIONS

NO.	DESCRIPTION
1	ADDENDUM NO.1

DRAWN: AT	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-049
DESIGNED: AT	DATE: 4/24/2023

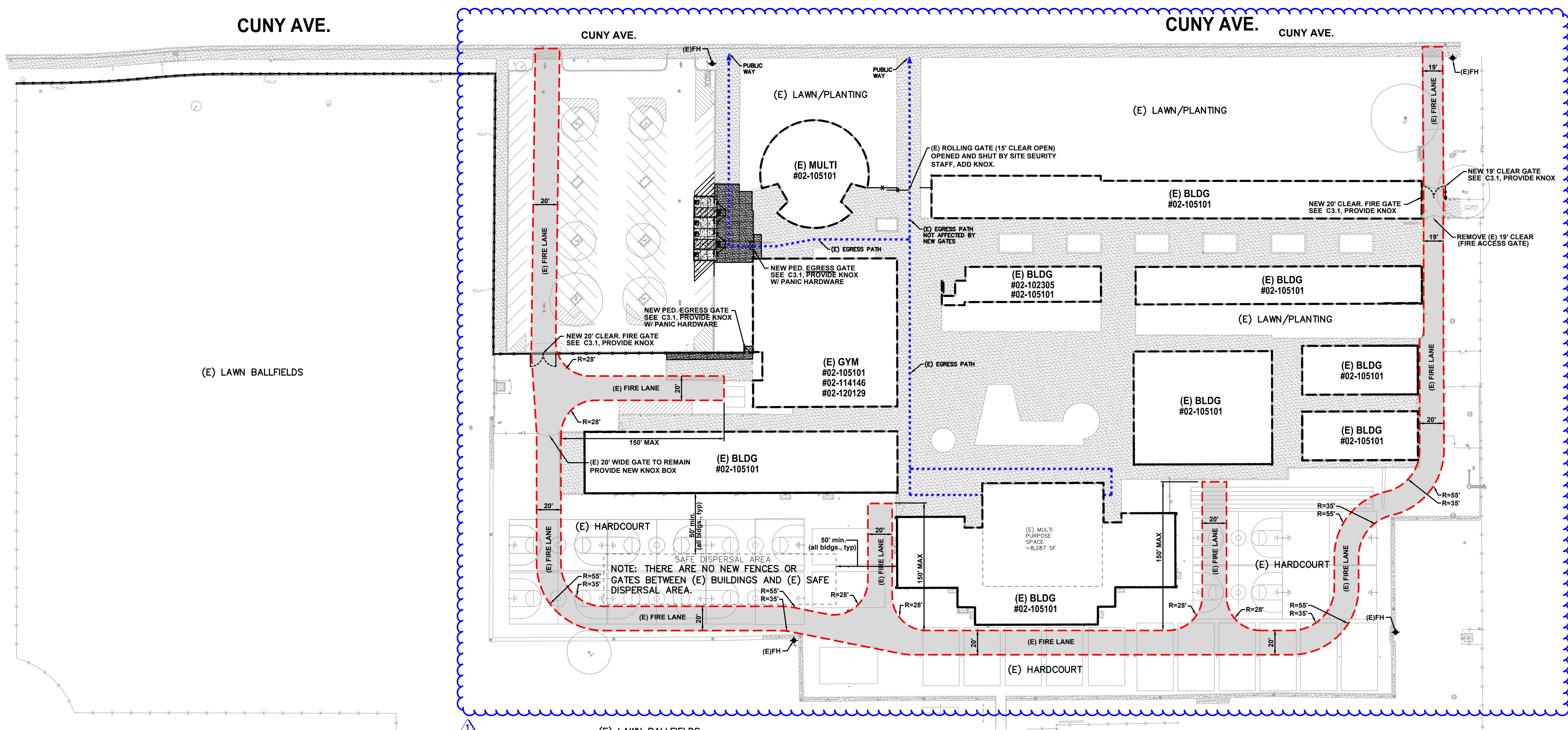
SHEET TITLE:

SITE ACCESS PLAN

SHEET NO.

C1.0.1

FILENAME: \\23-049-Civil\DWG\23-049-C1.0.2.DWG PLOTTED: Friday, August 11, 2023



FIRE LANE DESIGNATION

ALL FIRE LANES ON THIS PLAN SHALL BE DESIGNATED IN ACCORDANCE WITH THE STRIPING PLANS, UTILIZING ONE OF THE FOLLOWING APPROVED MEANS:

- CURBS - PAINT CURB TOP AND FACE RED WITH COMMERCIAL GRADE RED TRAFFIC PAINT. ON FACE OF CURB, PAINT 4" TALL WHITE LETTERING STATING "NO PARKING - FIRE LANE" AT 25' O.C. CENTERED ON FACE.
- PAVING - PAINT 6" WIDE RED STRIPE ON PAVEMENT WITH COMMERCIAL GRADE RED TRAFFIC PAINT. CENTERED IN STRIPE, PAINT 4" TALL WHITE LETTERING STATING "NO PARKING - FIRE LANE" AT 25' O.C.
- SIGNAGE - POSTING OF SIGNS COMPLIANT WITH CFC 2016, APPENDIX D103.6 EVERY 50 FEET.

EXCEPTIONS:

- STREETS 20' WIDE TO 26' WIDE SHALL BE MARKED ON BOTH SIDES AS STATED ABOVE.
- STREETS GREATER THAN 26' WIDE NEED ONLY MARKING ON ONE SIDE AS STATED ABOVE.
- EDGES OF FIRE LANES AT PARKING DO NOT REQUIRE DESIGNATION.

SEE STRIPING PLAN FOR ACTUAL REQUIRED STRIPING.

TYPICAL FIRE LANE

CLEAR WIDTH 20 FEET
 CLEAR HEIGHT 13.5 FEET
 INSIDE RADIUS 35 FEET MIN.
 OUTSIDE RADIUS 55 FEET MIN.

NOTE:
 All new and existing fire lanes are asphalt or concrete paved unless otherwise stated.

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.

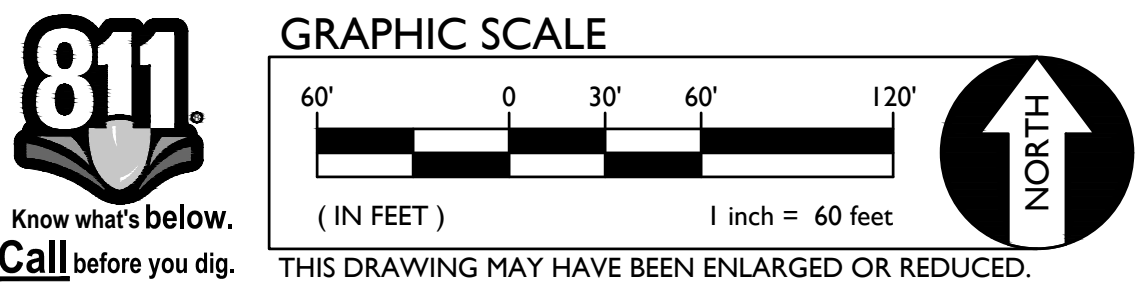
MULTI PURPOSE EGRESS ANALYSIS

APPROXIMATE FLOOR AREA 8,287 SF.
 LOAD FACTOR:
 ASSEMBLY (CONCENTRATED): 7 NET
 RESULTING OCCUPANT LOAD: 1184

EGRESS SIZING, LOAD x 0.2 = (IN INCH)
 (1005.3.2) 1184 x 0.2 = 237 INCHES

EGRESS WIDTH PROVIDED: (1) DOUBLE GATE 72"
 (1) (E) ROLL GATE 180"
 =252 INCHES

(REF CBC 1004 AND 1005)



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: FERN BACON MIDDLE SCHOOL

Project Address: 4140 CUNY AVENUE, SACRAMENTO, CA 95823

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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Refer to the following website for FHSZ locations: http://eqis.fire.ca.gov/FHSZ/	Moderate <input type="checkbox"/>	High <input type="checkbox"/> Very High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)		WIFA <input type="checkbox"/>

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.			<input checked="" type="checkbox"/>	
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.	<input type="checkbox"/>	<input type="checkbox"/>		
5. Fire Hydrants: Number and spacing does not meet CFC requirements.			<input checked="" type="checkbox"/>	
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.	<input type="checkbox"/>	<input type="checkbox"/>		
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.			<input checked="" type="checkbox"/>	
6a. Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.	<input type="checkbox"/>	<input type="checkbox"/>		
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			<input checked="" type="checkbox"/>	
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.	<input type="checkbox"/>	<input type="checkbox"/>		

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: City of Sacramento Fire Department

LFA Review Official: King Tunson

Title: Program Specialist Work Phone: (916) 808-1358

Work Email: ktunson@sfd.cityofsacramento.org

LFA Reviewer's Signature: _____ Date: _____

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

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

OWNER:

 Sacramento City Unified School District
 5735 47th Avenue
 Sacramento, CA 95824-4528

REGISTERED PROFESSIONAL ENGINEER
 ANTHONY J. TASSANO
 NO. C74696
 STATE OF CALIFORNIA
 8/11/2023

Fern Bacon Middle School
 2023 Fencing

4140 Cuny Avenue
 Sacramento, CA 95823

REVISIONS

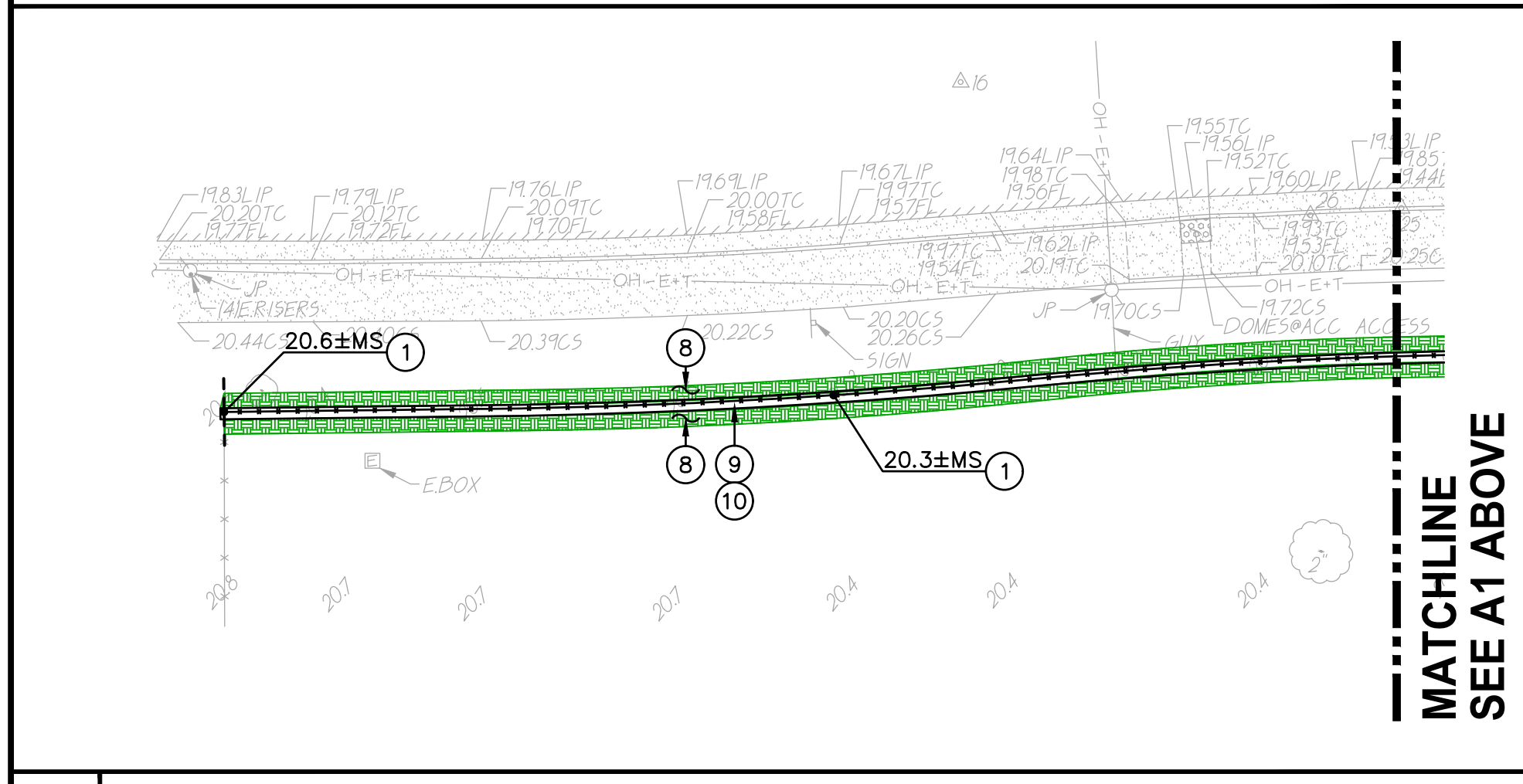
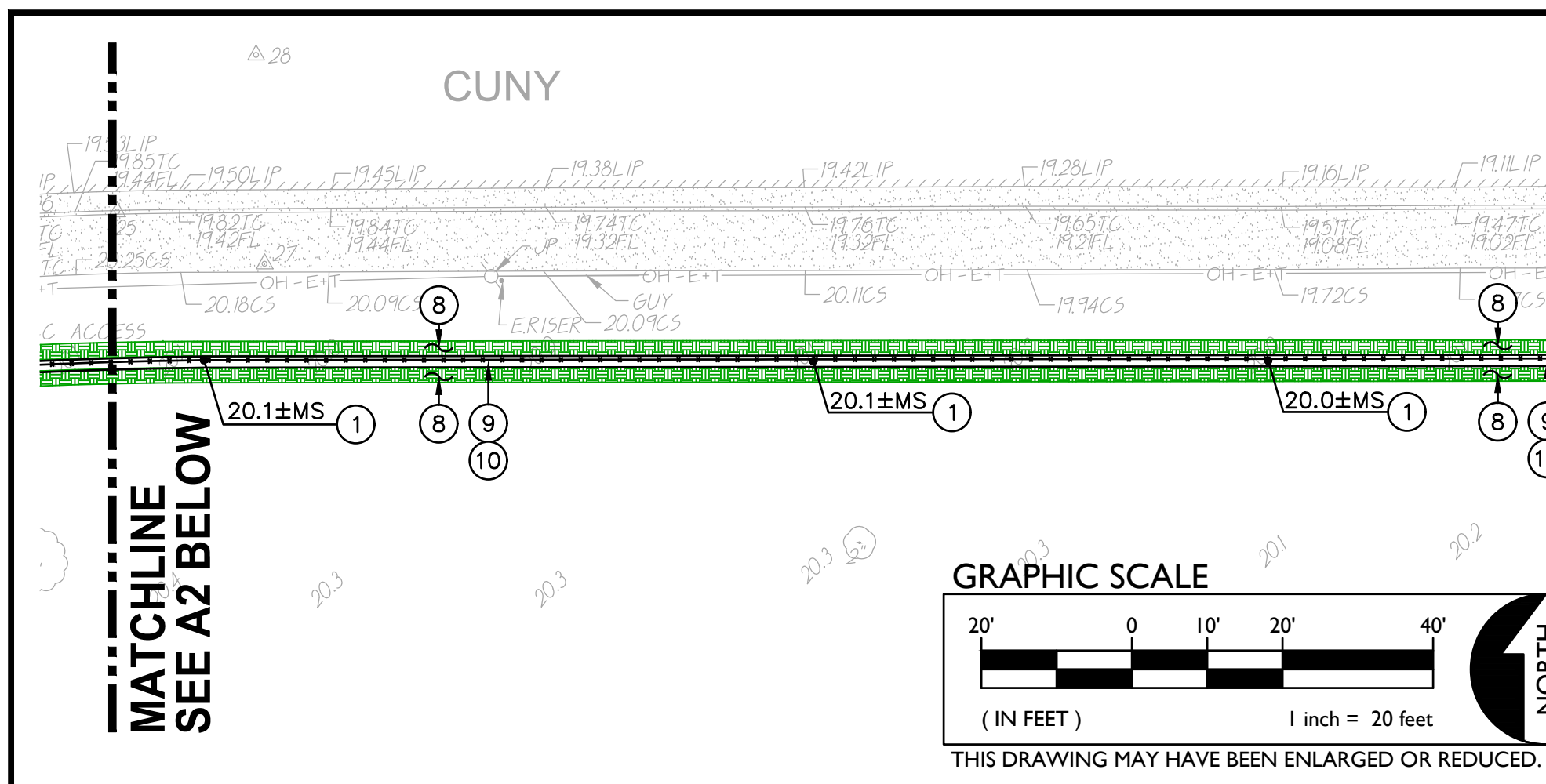
NO.	DESCRIPTION
1	ADDENDUM NO.1

DRAWN: AT	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-049
DESIGNED: AT	DATE: 4/24/2023

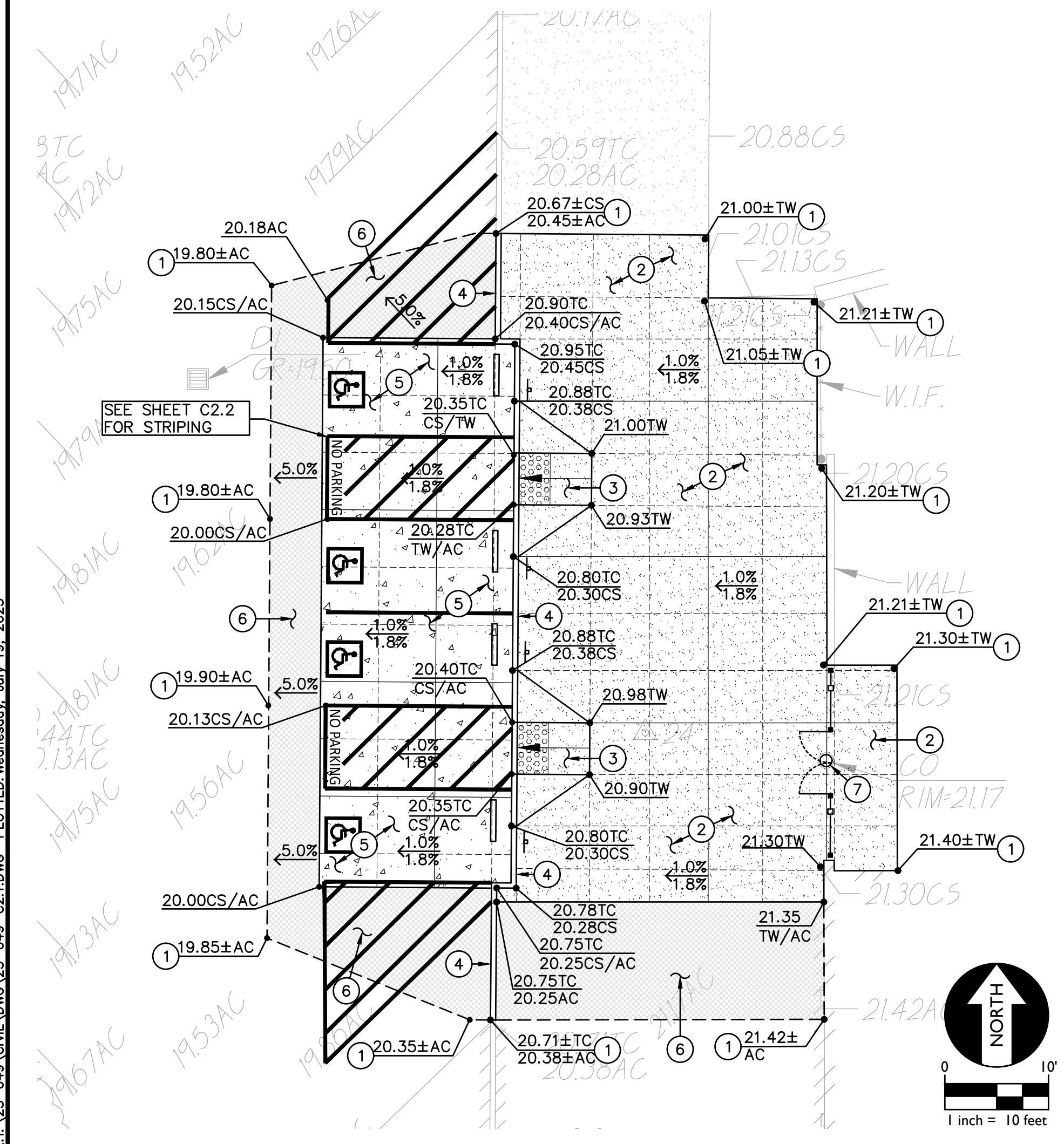
ISSUANCE:

SHEET TITLE:
FIRE ACCESS PLAN

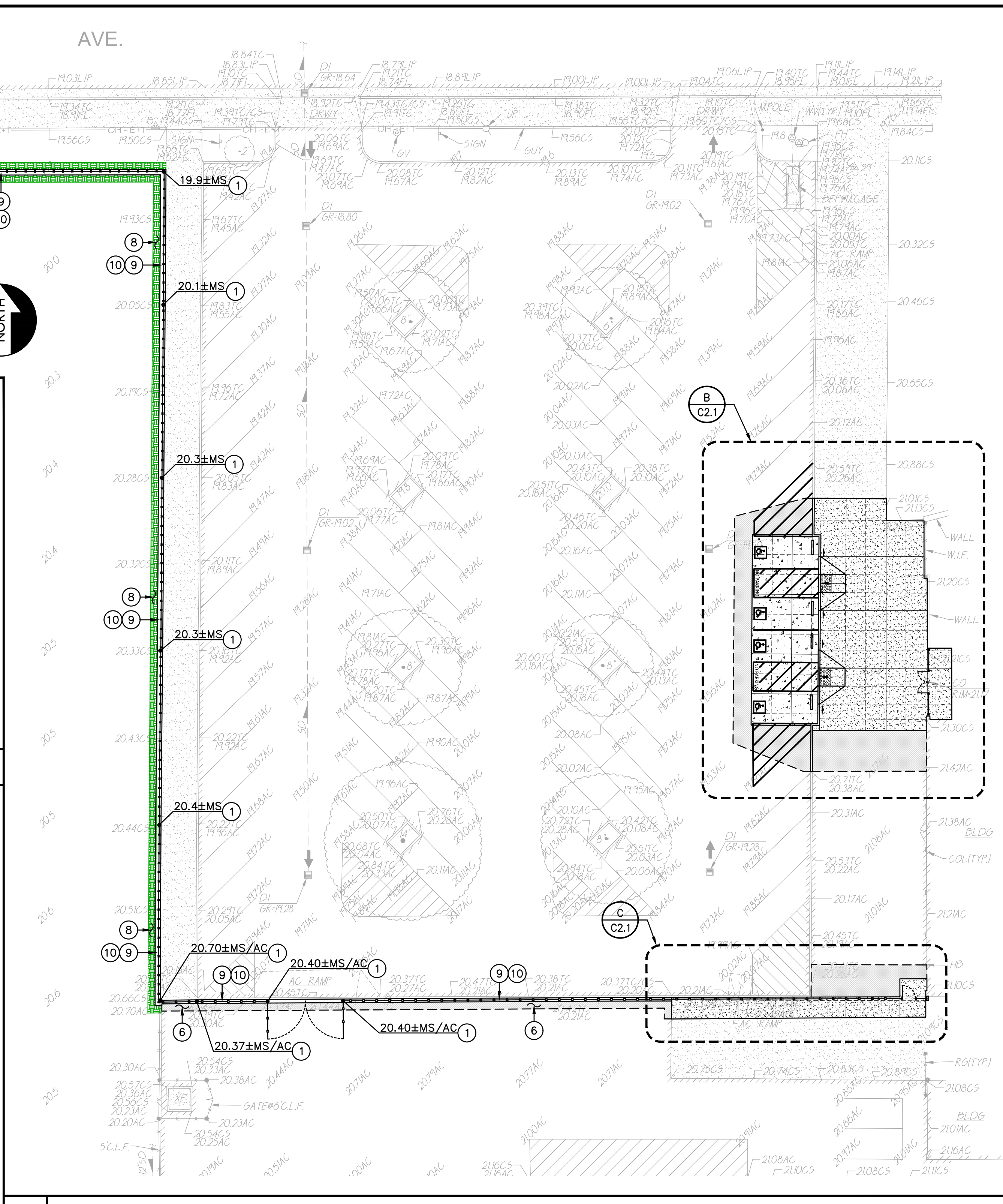
SHEET NO.
C1.0.2



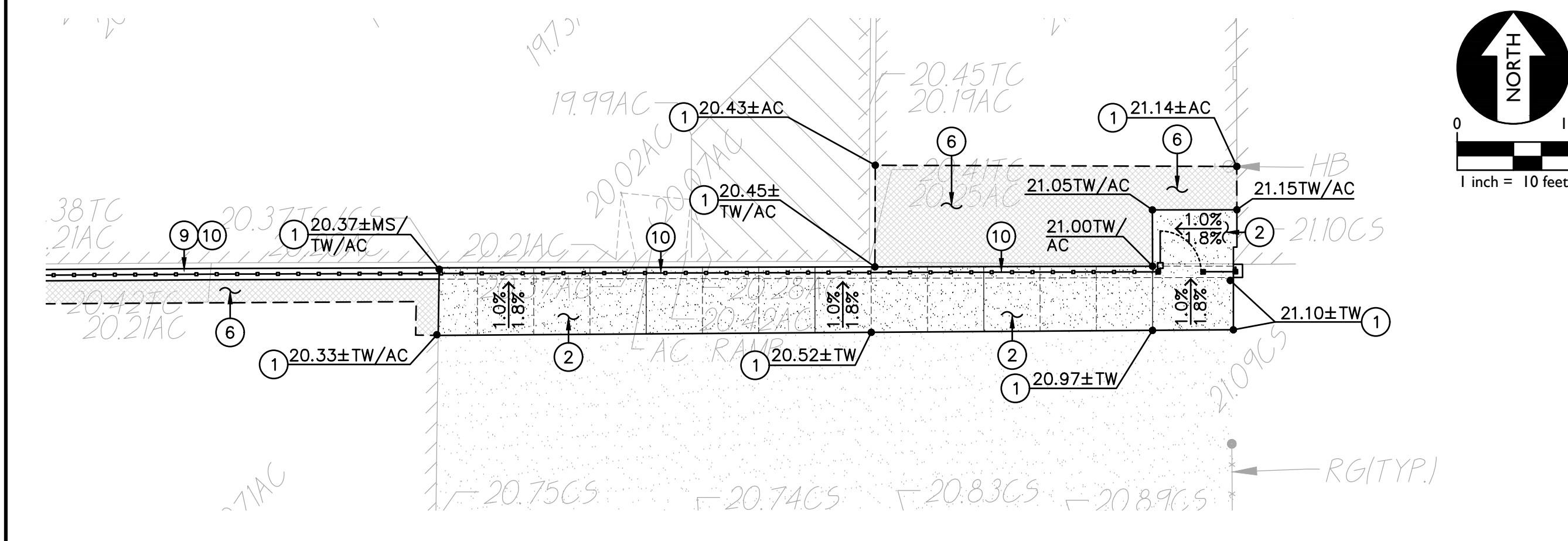
A2 CONSTRUCTION PLAN SCALE 1"=20'



B DETAIL CONSTRUCTION PLAN SCALE 1"=10'



A1 CONSTRUCTION PLAN SCALE 1"=20'



C DETAIL CONSTRUCTION PLAN SCALE 1"=10'

- LEGEND**
- 1. MATCH EXISTING GRADE/ELEVATION. WHEN MATCHING NEW SLABS TO EXISTING, DOWEL SLABS PER THE DETAIL PROVIDED AT 24" O.C. (1 C4.1)
 - 2. PLACE 5" CONCRETE PAVING WITH #4 REBAR AT 24" O.C.E.W. OVER 6" CLASS II AB ON COMPACTED SUBGRADE PER THE TYPICAL DETAILS PROVIDED. REFER TO PAVING PLAN FOR SECTIONS. REFER TO SPECIFICATIONS SECTION 31 00 00 FOR SUBGRADE PREPARATION, SECTION 32 16 00 FOR CONCRETE PAVING. (1 C4.1, 2 C4.1, 5 C4.1)
 - 3. CONSTRUCT CONCRETE CURB RAMP PER THE DETAIL PROVIDED. (10 C4.1)
 - 4. CONSTRUCT CONCRETE CURB PER THE DETAIL PROVIDED. (12 C4.1)
 - 5. PLACE 6" CONCRETE PAVING WITH #4 REBAR AT 18" O.C.E.W. OVER 8" CLASS II AB ON COMPACTED SUBGRADE PER THE TYPICAL DETAILS PROVIDED. REFER TO PAVING PLAN FOR SECTIONS. REFER TO SPECIFICATIONS SECTION 31 00 00 FOR SUBGRADE PREPARATION, SECTION 32 16 00 FOR CONCRETE PAVING. (1 C4.1, 2 C4.1, 5 C4.1, 13 C4.1)
 - 6. PLACE 3" AC PAVING OVER 12" CLASS II AB, OR MATCH EXISTING SECTION, WHICHEVER IS GREATER. REFER TO SPECIFICATIONS SECTION 32 12 16 FOR MATERIALS AND CONSTRUCTION. REFER TO SECTION 31 00 00 FOR SUBGRADE PREPARATION. (2 C4.1)
 - 7. INSTALL NEW TRAFFIC RATED UTILITY BOX OF SAME SIZE AND APPROPRIATE FOR UTILITY. SET NEW BOX FLUSH WITH PROPOSED FINISHED GRADE. WHEN IN NEW CONCRETE AREAS, ALIGN WITH NEW JOINT PATTERNS WHEN POSSIBLE. SEE DEMO PLAN FOR EXISTING BOX REMOVAL. (8 C4.1)
 - 8. PATCH AND REPAIR EXISTING LANDSCAPING AND IRRIGATION ALONG EDGE OF NEW WORK. RELOCATE AND ADJUST EXISTING HEADS AS NEEDED TO MAINTAIN COVERAGE. REPLACE ALL BROKEN HEADS RELOCATED. TAPER ALL GRADING AWAY FROM NEW CURBS AND APRONS AND SET GRADES BELOW APRONS, CURBS AND WALKS TO ALLOW FOR LAWN AND OTHER PLANTING PATCH BACK PER THE DETAILS PROVIDED. PROVIDE NEW SOD IN DISTURBED LAWN AREAS. (2 C4.1)
 - 9. CONSTRUCT CONCRETE APRON AT FENCING PER THE DETAIL PROVIDED. (8 C4.1)
 - 10. SEE FENCING PLAN FOR NEW FENCING.

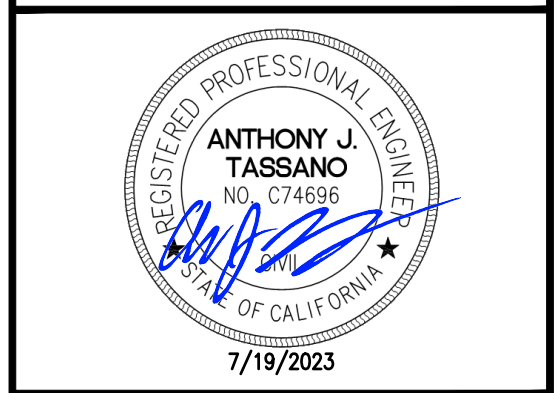
CONSTRUCTION NOTES
NOT ALL NOTES MAY BE USED ON THIS SHEET

Surface Repair Note:
Regardless if shown or not, all existing improvements and landscaping cut, removed or damaged by the installation of new work shall be repaired. This is especially true along edges of new work. Contractor shall repair landscaping, and irrigation as needed to maintain system operation. Lawn shall be repaired with sod in well maintained lawn areas. Sparse lawn areas may be repaired with hydro/drilled seeding.

DSR



OWNER:
Sacramento City Unified School District
Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528



Fern Bacon Middle School 2023 Fencing
4140 Cuny Avenue
Sacramento, CA 95823

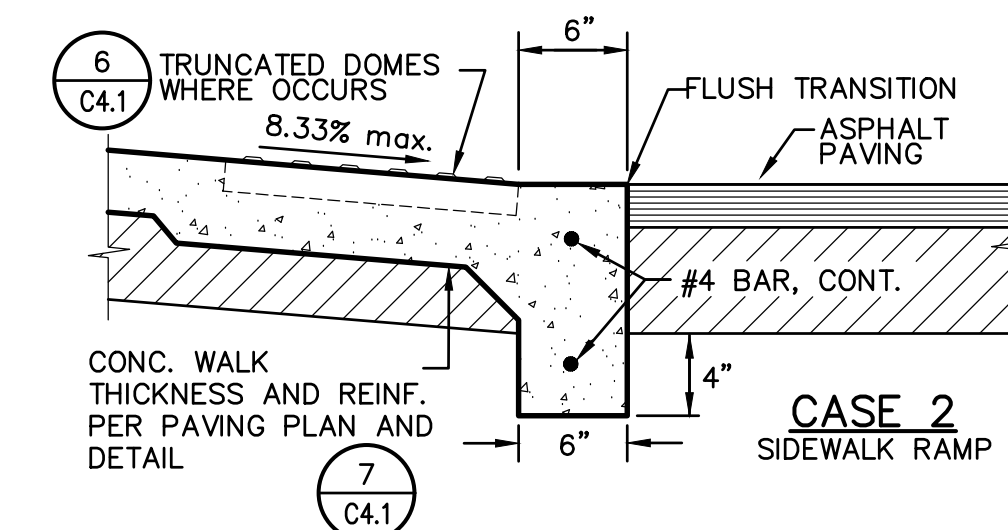
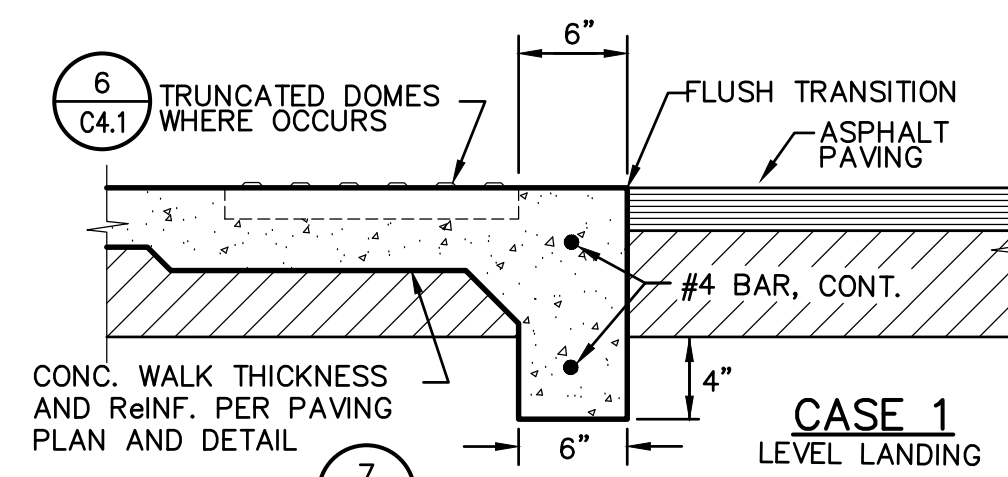
REVISIONS	
NO.	DESCRIPTION
1	ADDENDUM NO.1

DRAWN: AT	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-049
DESIGNED: AT	DATE: 4/24/2023
ISSUANCE: AT	

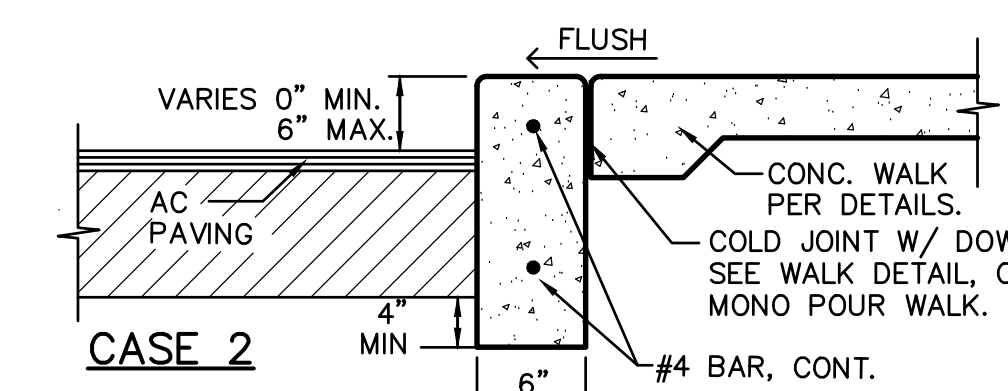
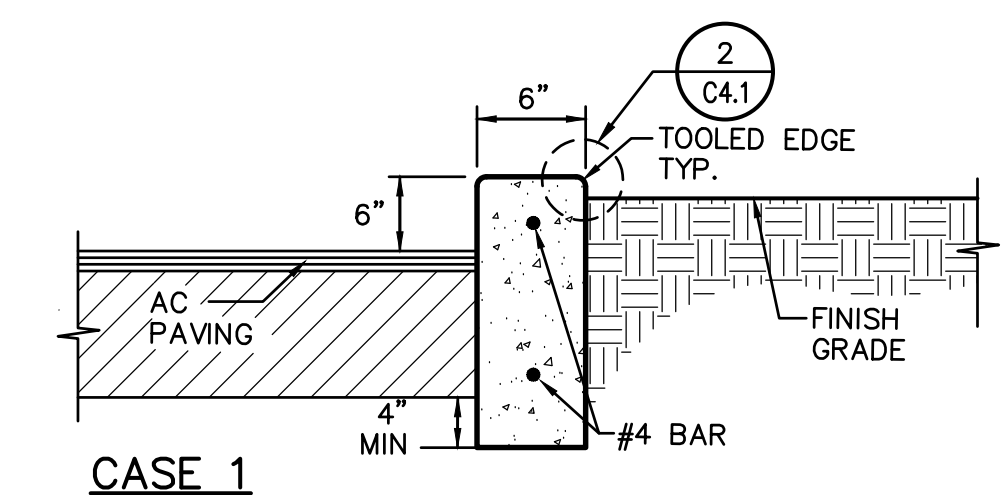
SHEET TITLE:
CONSTRUCTION PLAN
SHEET NO.
C2.1

FILENAME: I:\23-049\CIVIL\DWG\23-049-C2.1.DWG PLOTTED: Wednesday, July 19, 2023

FILENAME: \\23-049\CONV\DWG\23-049-C4.1.DWG PLOTTED: Friday, August 11, 2023

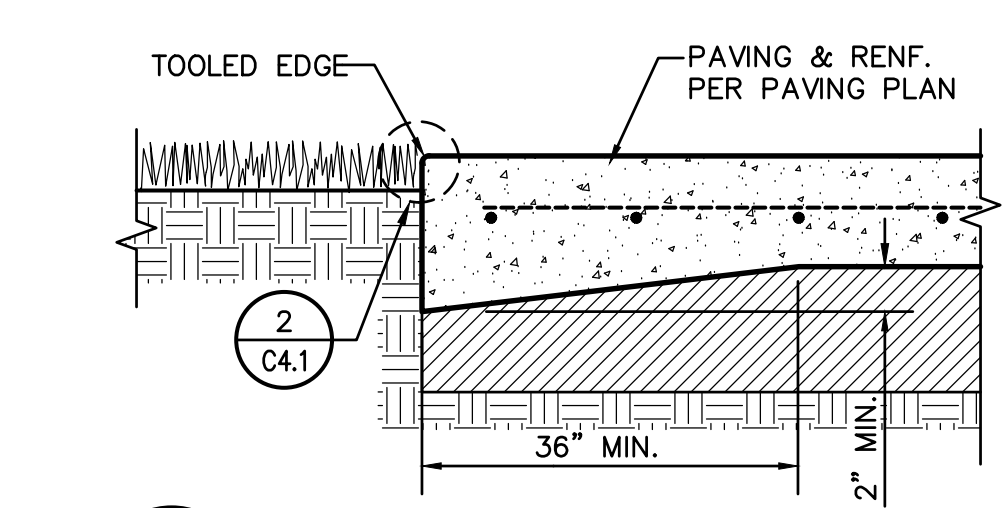


11 FLUSH CONCRETE EDGE
C4.1 NO SCALE

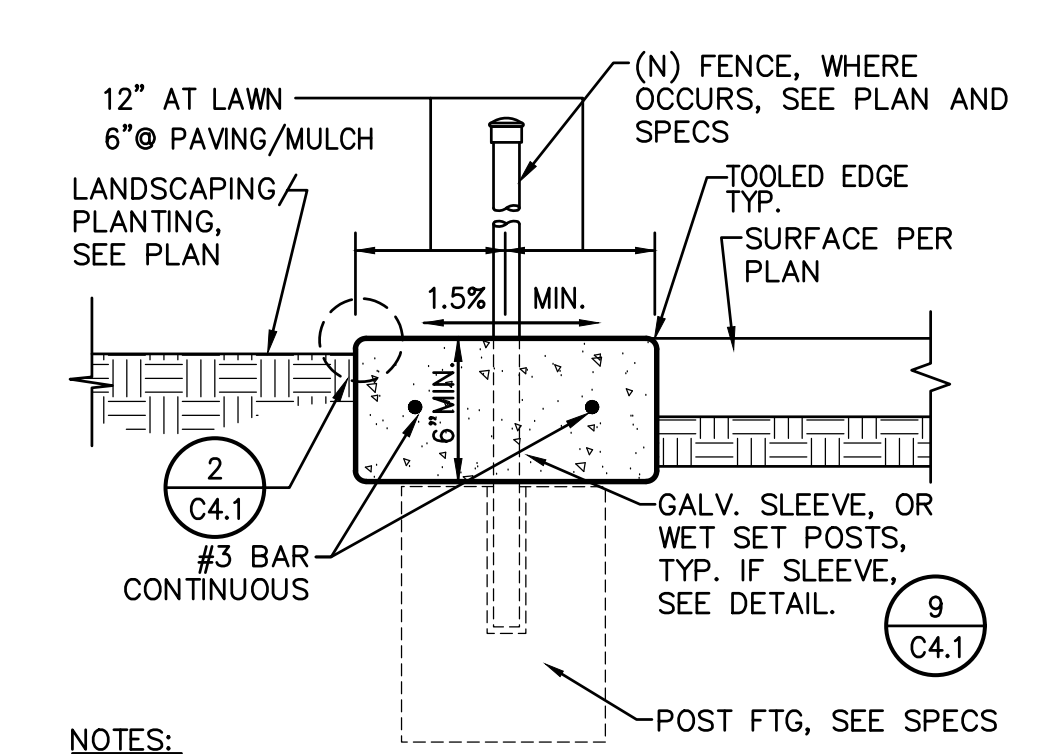


PROVIDE EXPANSION JOINTS AT 20' ON CENTER AND TOOLED CONTROL JOINTS EVERY 10' BETWEEN, OR WHEN ADJOINING CONCRETE WALKS, MATCH WALK JOINTING.

12 CONCRETE CURB
C4.1 NO SCALE

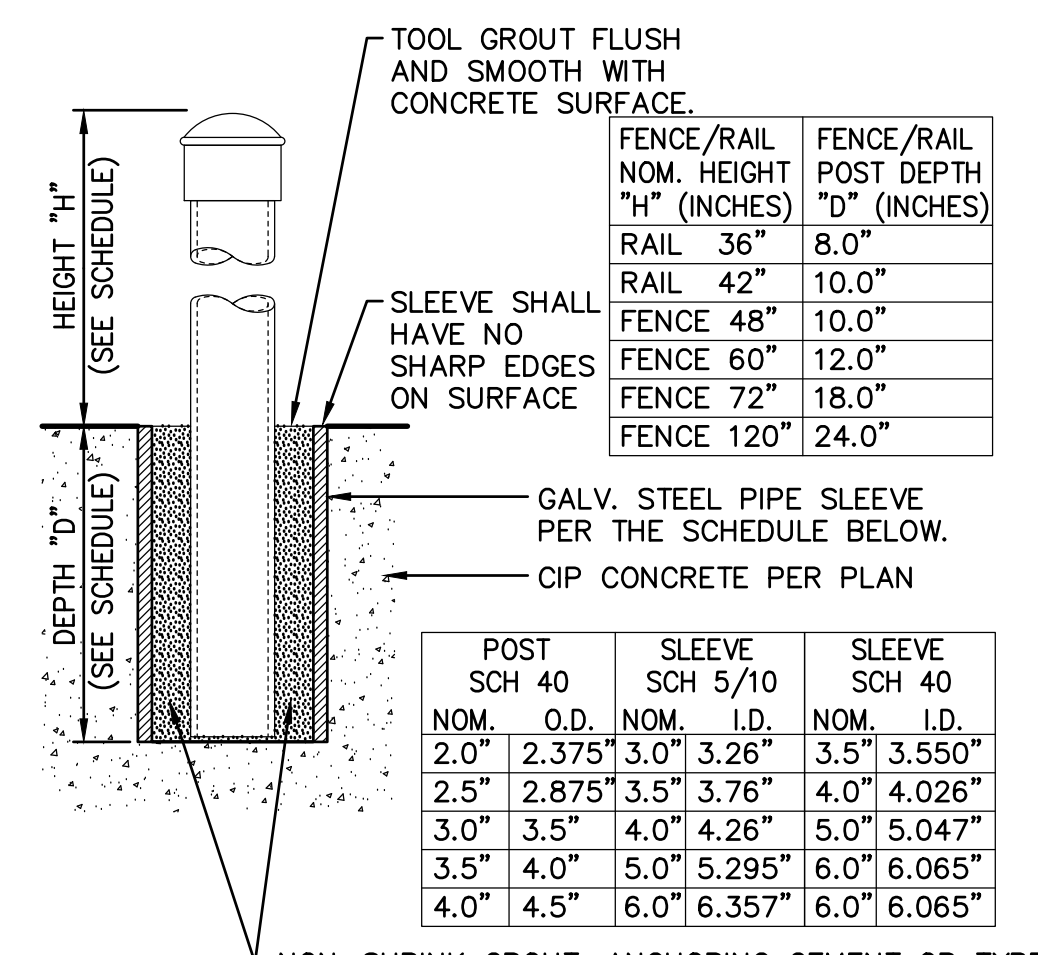


13 THICK CONC. EDGE
C4.1 TRAFFIC RATED CONCRETE PAVING NO SCALE



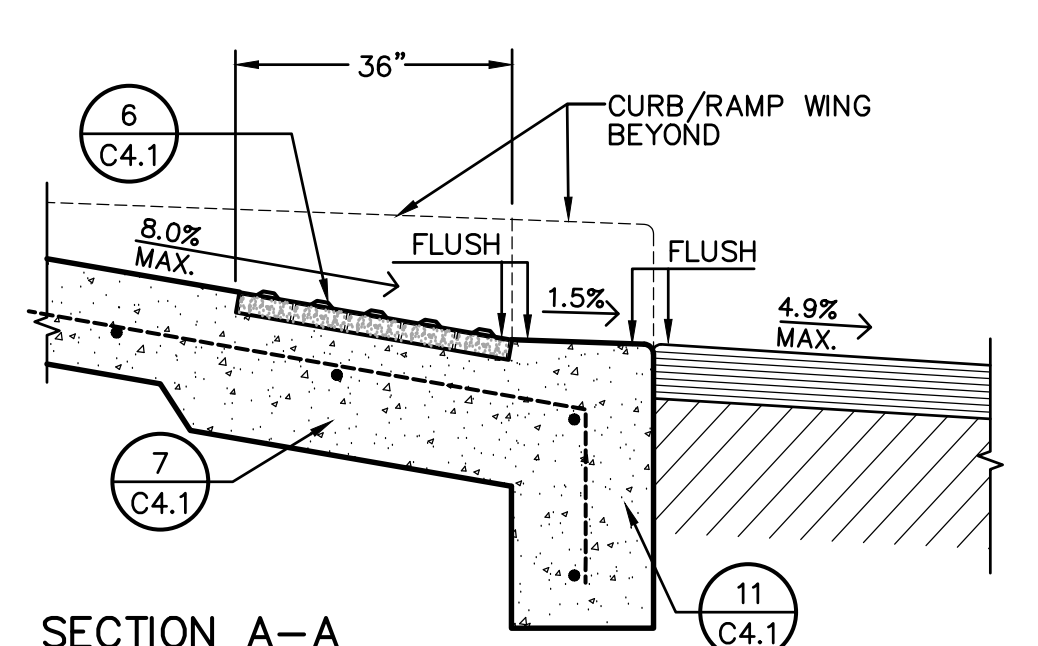
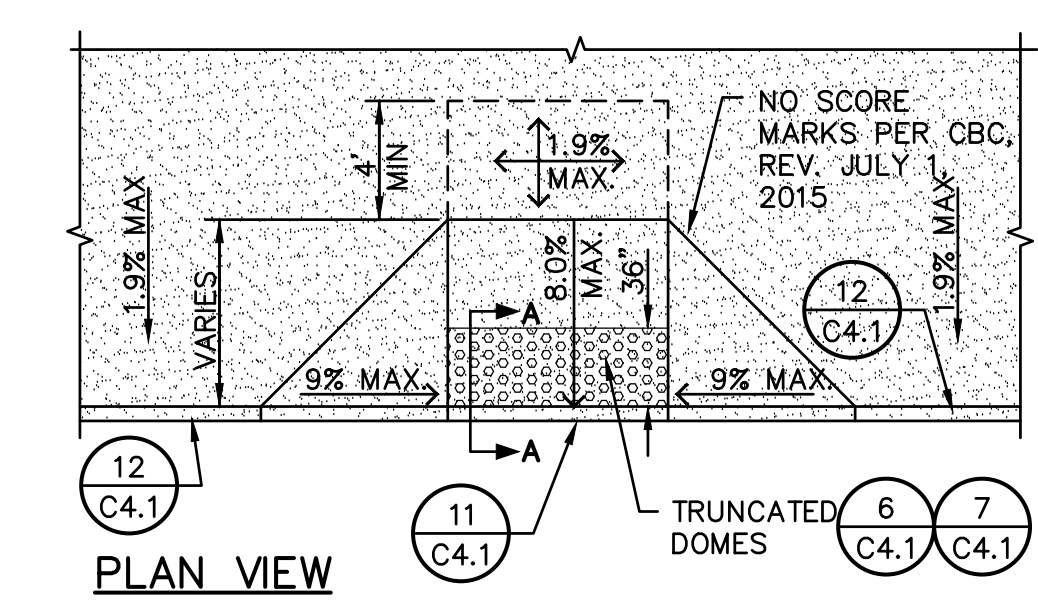
- NOTES:
- WHERE NO FENCING, PROVIDE CONTROL JOINT EVERY 10 FEET, EXPANSION JOINT EVERY 30 FEET, TYP. WHERE FENCING EXISTS, PROVIDE TOOLED JOINT EVERY POST, EXPANSION EVERY 3RD POST.
 - CONCRETE APRON THICKNESS MAY COUNT FOR POST FOOTING TOTAL DEPTH BUT MUST BE PLACED BEFORE FABRIC OR PANEL INSTALLATION.

8 CONCRETE APRON
C4.1 NO SCALE



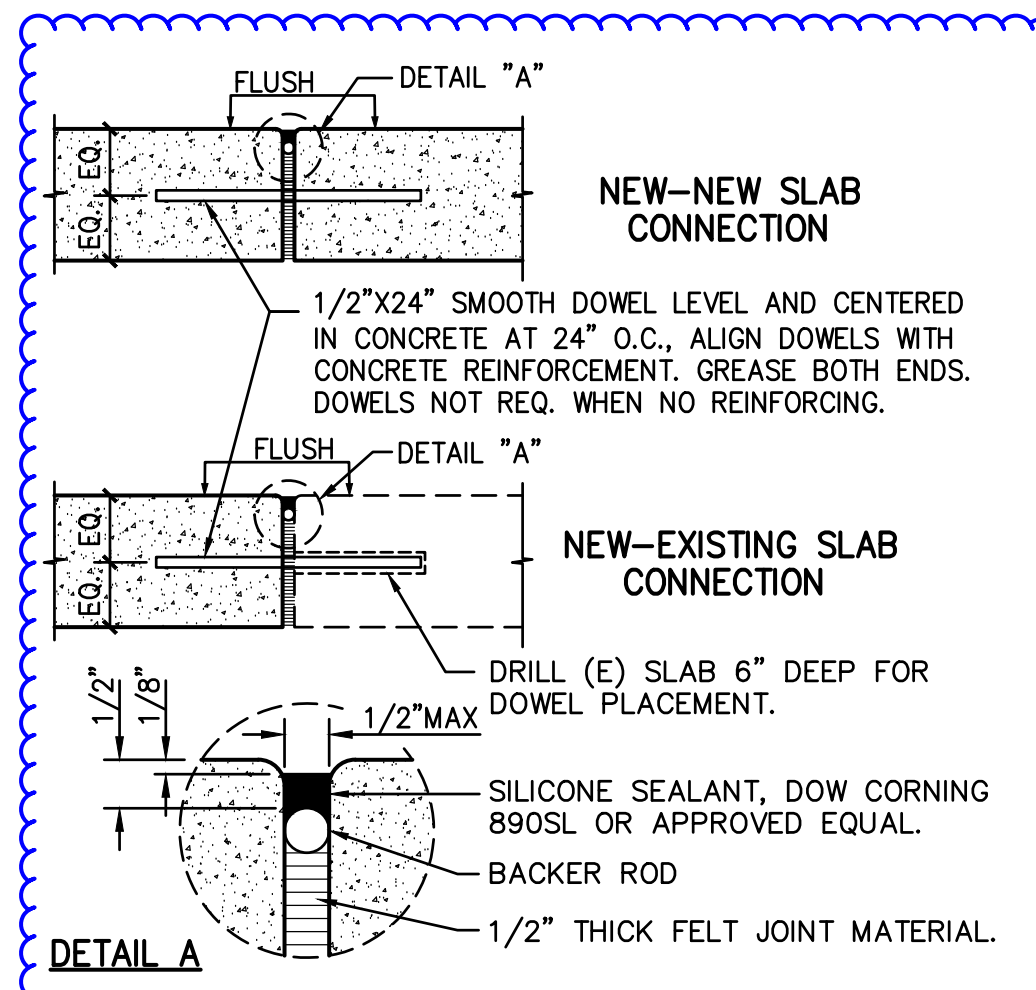
- NON-SHRINK GROUT, ANCHORING CEMENT OR TYPE F MORTAR, ACCEPTABLE AS FOLLOWS:
- SAKRETE NON-SHRINK PRECISION GROUT.
 - W.R. MEADOWS SPEED-E-ROC.
 - QUICKRETE NON-SHRINK PRECISION GROUT
 - DAYTON SUPERIOR, ANCHOR-ALL
 - APPROVED EQUAL.

9 POST SLEEVE DETAIL
C4.1 NO SCALE

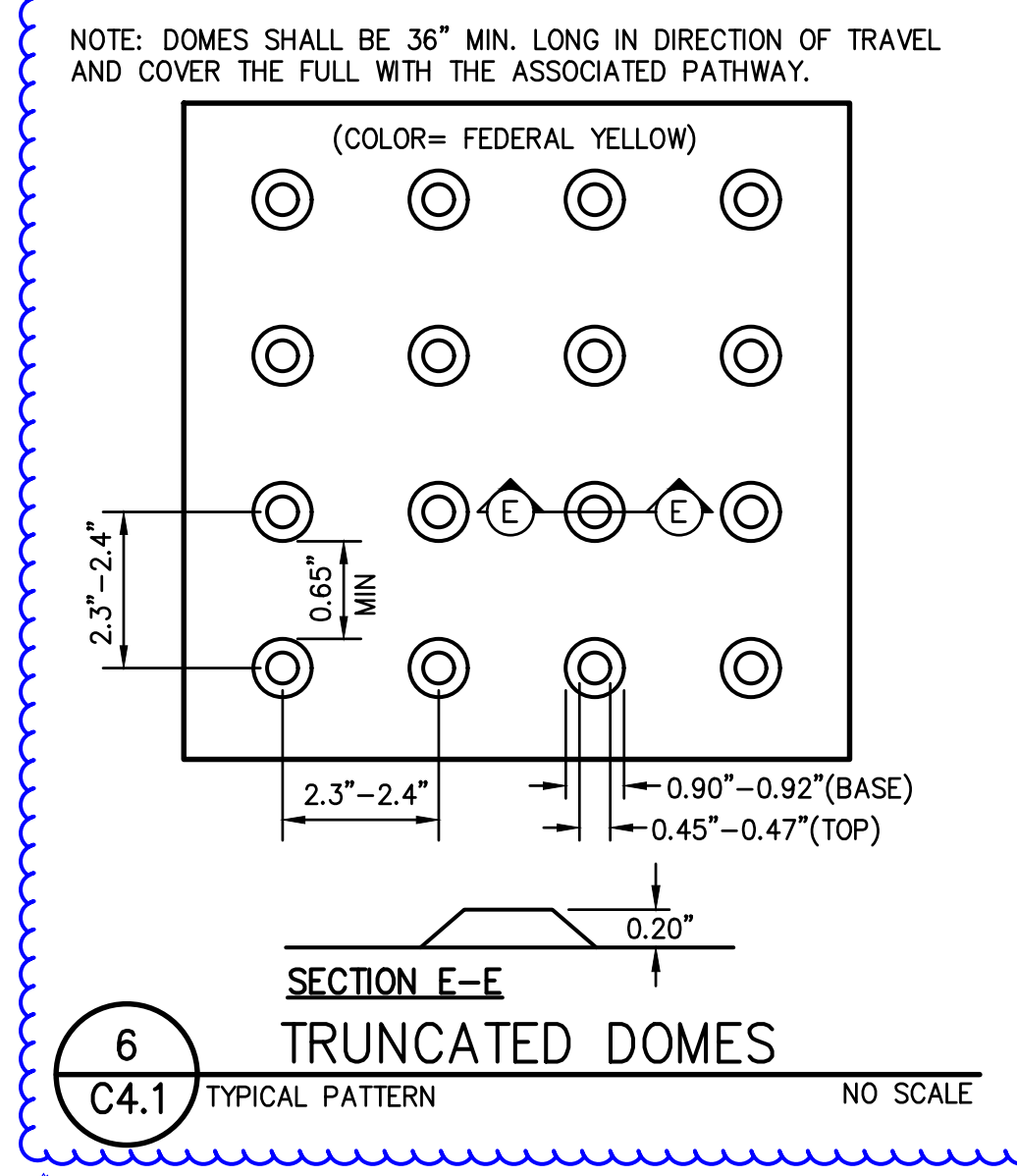


10 ACCESSIBLE CURB RAMP
C4.1 TYPE 1 NO SCALE

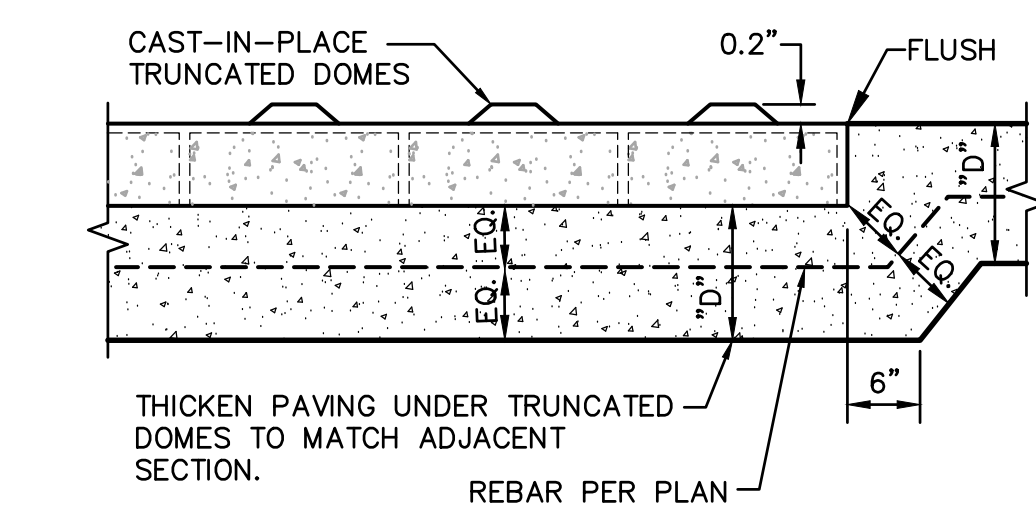
4 NOT USED
C4.1 NO SCALE



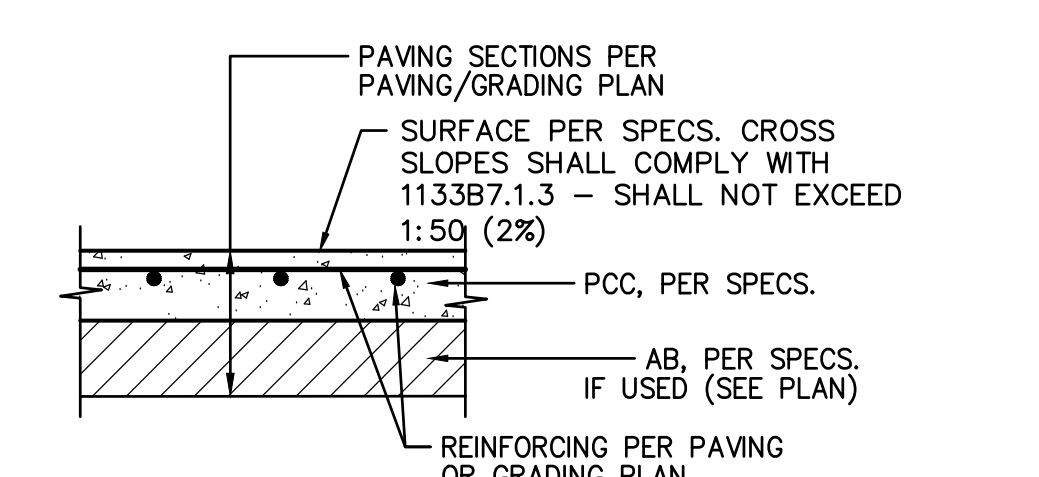
5 EXPANSION JOINT
C4.1 NO SCALE



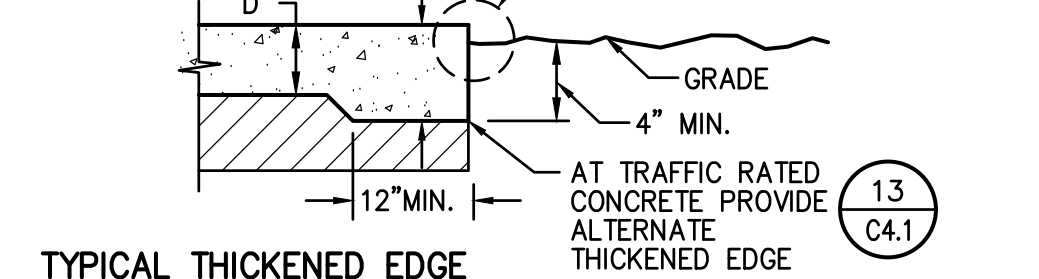
6 TRUNCATED DOMES
C4.1 TYPICAL PATTERN NO SCALE



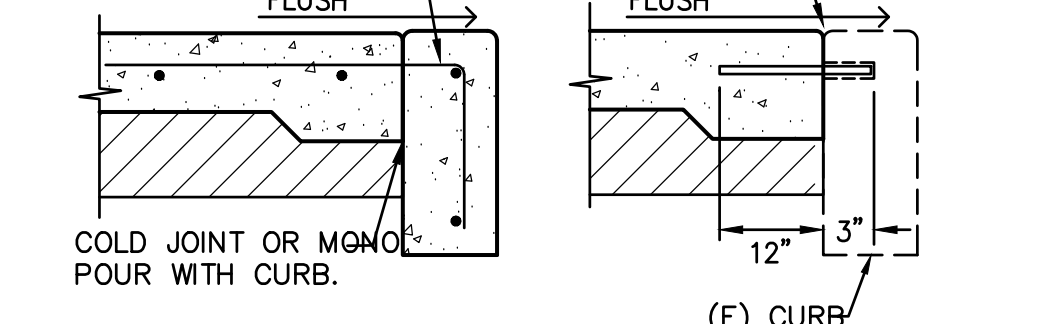
7 SLAB AT TRUNCATED DOMES
C4.1 NO SCALE



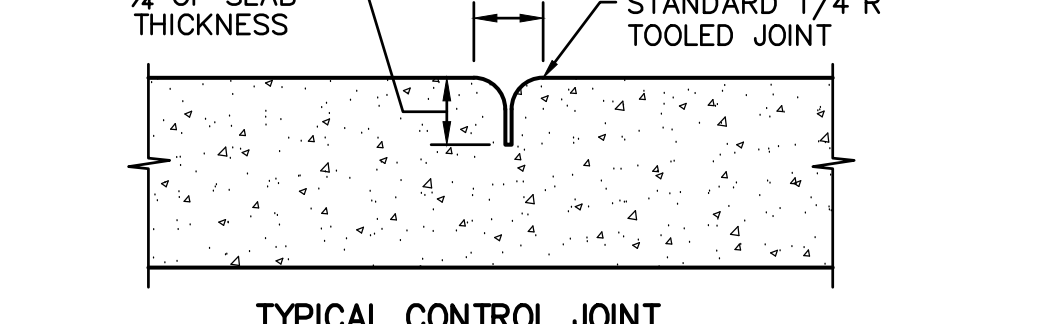
2 TYPICAL SECTION
C4.1



13 TYPICAL THICKENED EDGE
C4.1

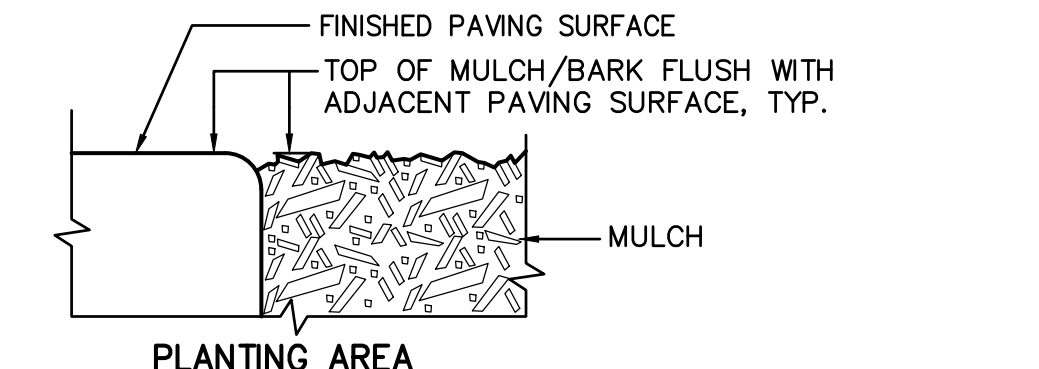


1 TYPICAL EXPANSION JOINT AT CURB
C4.1

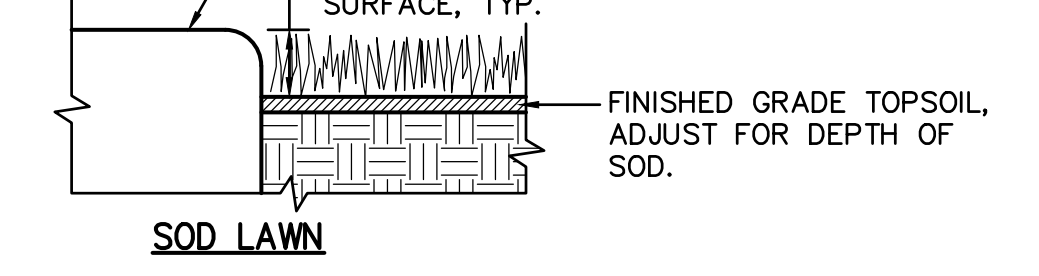


1 TYPICAL CONTROL JOINT
C4.1

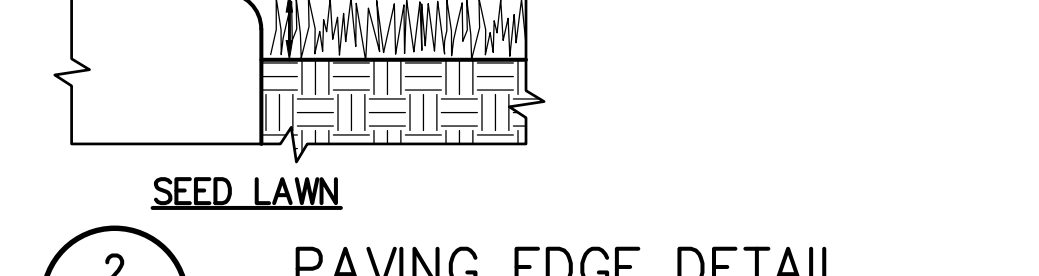
1 CONCRETE SIDEWALK
C4.1 NO SCALE



1 PLANTING AREA
C4.1



1 SOD LAWN
C4.1



1 SEED LAWN
C4.1

2 PAVING EDGE DETAIL
C4.1 NO SCALE

3 NOT USED
C4.1 NO SCALE

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

OWNER:
Sacramento City Unified School District
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REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA
8/11/2023

Fern Bacon Middle School 2023 Fencing
4140 Cuny Avenue
Sacramento, CA 95823

REVISIONS	
NO.	DESCRIPTION
Δ	ADDENDUM NO.1

DRAWN:	SCALE:
CHECKED:	PROJECT NO.
DESIGNED:	DATE:
ISSUANCE:	AT

SHEET TITLE:
DETAILS AND SECTIONS
SHEET NO.

C4.1

MATSUYAMA ELEMENTARY SCHOOL 2023 FENCING

7680 Windbridge Drive
Sacramento, CA 95831

CONSTRUCTION OF SITE FENCING AND GATES WITH
ELECTRONIC ACCESS CONTROLS FOR SITE SECURITY,
TOGETHER WITH ASSOCIATED FLATWORK AND PAVING
REPAIRS FOR ACCESSIBILITY COMPLIANCE.



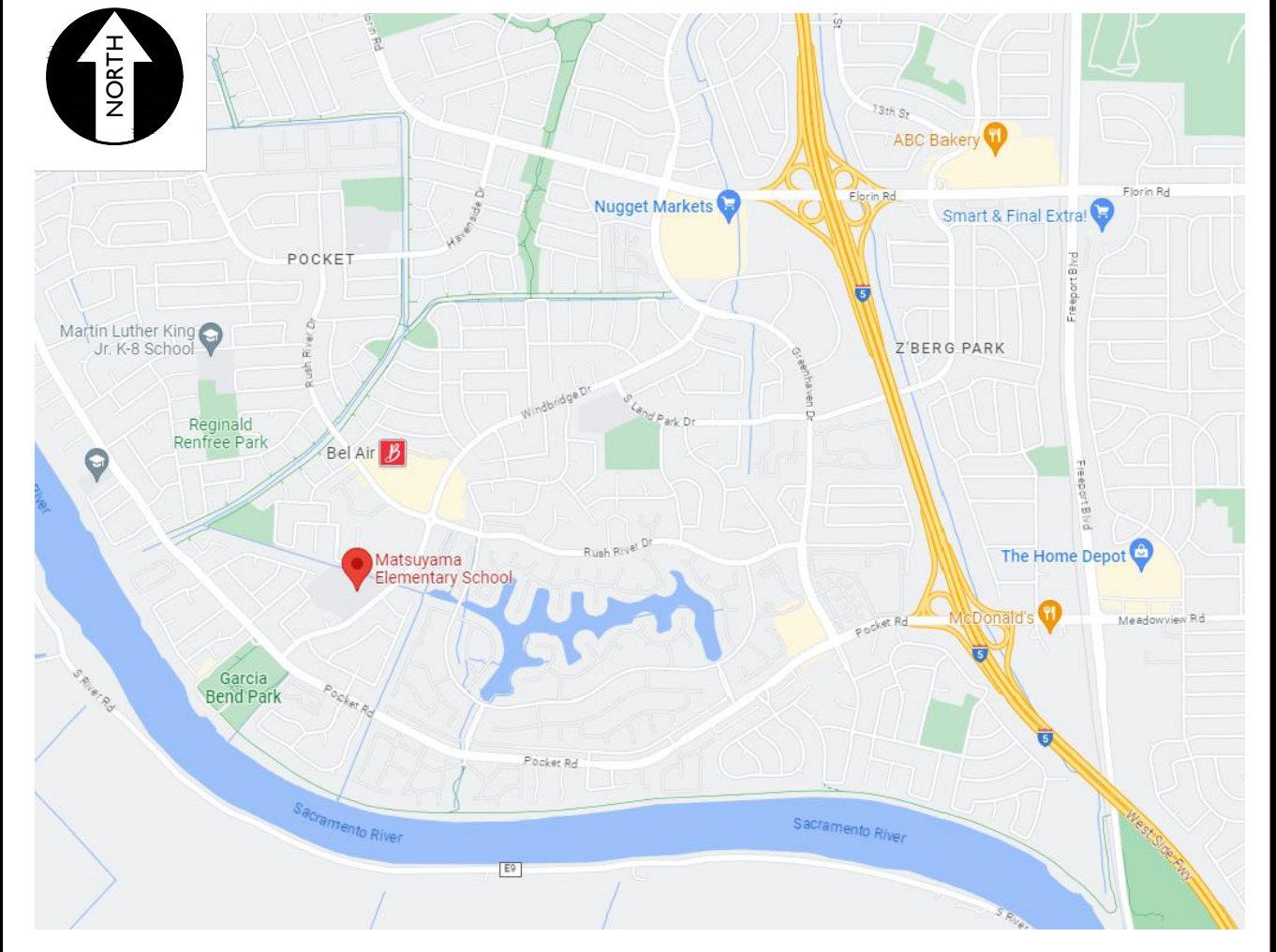
ABBREVIATIONS

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

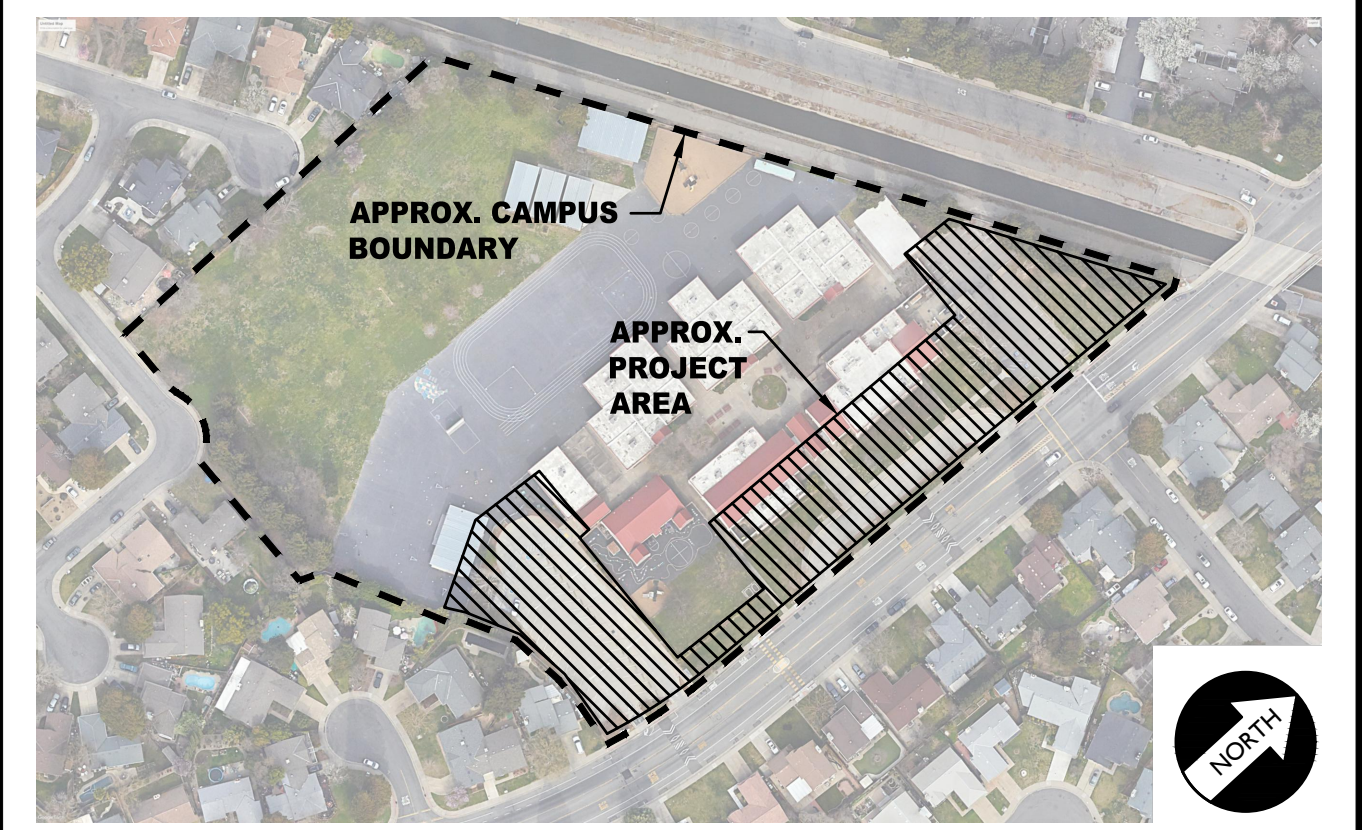
VICINITY MAP

NO SCALE



SITE MAP

NO SCALE



PROJECT NARRATIVE

CONSTRUCTION OF SITE FENCING AND GATES ALONG SCHOOL FRONTAGE, TWO 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. CONCRETE FLATWORK UPGRADES TO PROVIDE LEVEL LANDINGS AND CORRECT SLOPES OF CONNECTING WALKWAYS IS ALSO PROPOSED AT EACH PEDESTRIAN GATE, BUT ALL FLATWORK PROPOSED IS ONLY FOR COMPLIANCE UPGRADES NECESSARY FOR THE FENCING AND GATE INSTALLATIONS, NO OTHER ELECTIVE FLATWORK IS PROPOSED, ONLY WORK FOR COMPLIANCE.

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

APPLICABLE REGULATIONS

- ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- 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.
- 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)
- 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.
- THIS PROJECT REQUIRES INSPECTOR CLASS 3
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

APPLICABLE CODES & STANDARDS

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR*
- 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2018 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
- 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2018 INTERNATIONAL FIRE CODE AND 2019 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 (CEC), Part 11, Title 24 CCR.

DEFERRED APPROVALS

N/A

STATEMENTS

N/A

GENERAL NOTES

- 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.
- 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.
- 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.
- 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.
- 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.
- 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 CONTRACTOR'S RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
- WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTOR'S 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL CONSTRUCTION/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.
- 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.
- 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 CONSTRUCTION.
- 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.
- 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.
- 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.

GENERAL PAVING SURFACE NOTES:

- 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.
- 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.

SYMBOLS LEGEND

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

PROPOSED GRADING & DRAINAGE SYMBOLS:		PROPOSED WATER SYMBOLS:	
	STORM DRAIN LINE (SIZE AND FLOW SHOWN)		WATER LINE & SIZE
	STORM DRAIN MANHOLE (SDMH)		FIRE LINE & SIZE
	CATCH BASIN (CB)		DOMESTIC WATER LINE & SIZE
	DROP INLET (DI)		RECLAIMED WATER LINE & SIZE
	AREA DRAIN (AD)		IRRIGATION SERVICE LINE & SIZE
	PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)		NON POTABLE WATER LINE & SIZE
	FIRE SPRINKLER SVC. LINE & SIZE		GATE VALVE
	STORM DRAIN CLEANOUT		WATER METER
	ELEVATION		FIRE HYDRANT ASSEMBLY
	FINISHED FLOOR ELEVATION		FIRE DEPARTMENT CONNECTION
	BUILDING PAD ELEVATION		DETECTOR CHECK VALVE
	CONCRETE SIDEWALK		DOUBLE DETECTOR CHECK VALVE
	GRADED DIRECTION FOR DRAINAGE FLOW		REDUCED PRESSURE BACKFLOW PREVENTER
	SLOPE		BUTTERFLY VALVE
	TREE TO BE REMOVED		AIR RELEASE VALVE + SIZE
	TREE TO REMAIN		BLOW-OFF VALVE + SIZE
	RETAINING WALL		POST INDICATOR VALVE
	OVERLAND RELEASE PATH		
PROPOSED SANITARY SEWER SYMBOLS:			
	SANITARY SEWER LINE (SIZE AND FLOW SHOWN)		
	SANITARY SEWER MANHOLE (SSMH)		
	SEWER CLEANOUT FLUSHER BRANCH		

SHEET INDEX

NO.	SHEET DESCRIPTION
CIVIL	
C0.0	COVER SHEET
C0.1	TOPOGRAPHIC SURVEY
C0.2	TOPOGRAPHIC SURVEY
C1.0.1	SITE ACCESS PLAN
C1.0.2	FIRE ACCESS PLAN
C1.1	DEMOLITION PLAN
C1.2	DEMOLITION PLAN
C2.1	GRADING AND CONSTRUCTION PLAN
C3.1	FENCING PLAN
C4.1	DETAILS AND SECTIONS
C4.2	DETAILS AND SECTIONS
C4.3	DETAILS AND SECTIONS
C4.4	DETAILS AND SECTIONS

ELECTRICAL

T000	TECHNOLOGY COVER SHEET
T200	TECHNOLOGY FLOOR PLAN
T900	TECHNOLOGY DETAILS

TOTAL SHEET COUNT = 16

OWNER/USER

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

DISTRICT CONTACT: [CONTACT] FACILITIES SUPPORT SERVICES (916) 264-4075 [EMAIL]

ADDITIONAL CONTACTS: TROY MIETZ TROY-MIETZ@SCUSD.EDU

PROJECT TEAM

CIVIL: WARREN CONSULTING ENGINEERS, INC.
117 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

DSA

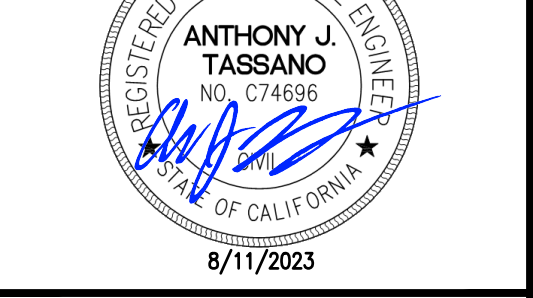
OWNER:



Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

CONSULTANT:

STAMP:



Matsuyama Elementary
2023 Fencing

7680 Windbridge Drive
Sacramento, CA 95831

REVISIONS

NO.	DESCRIPTION
1	ADDENDUM NO.1

DRAWN: SMN SCALE: AS NOTED

CHECKED: AT PROJECT NO. 23-055

DESIGNED: SMN/AT DATE: 4/24/2023

ISSUANCE:

SHEET TITLE:

COVER SHEET

SHEET NO.

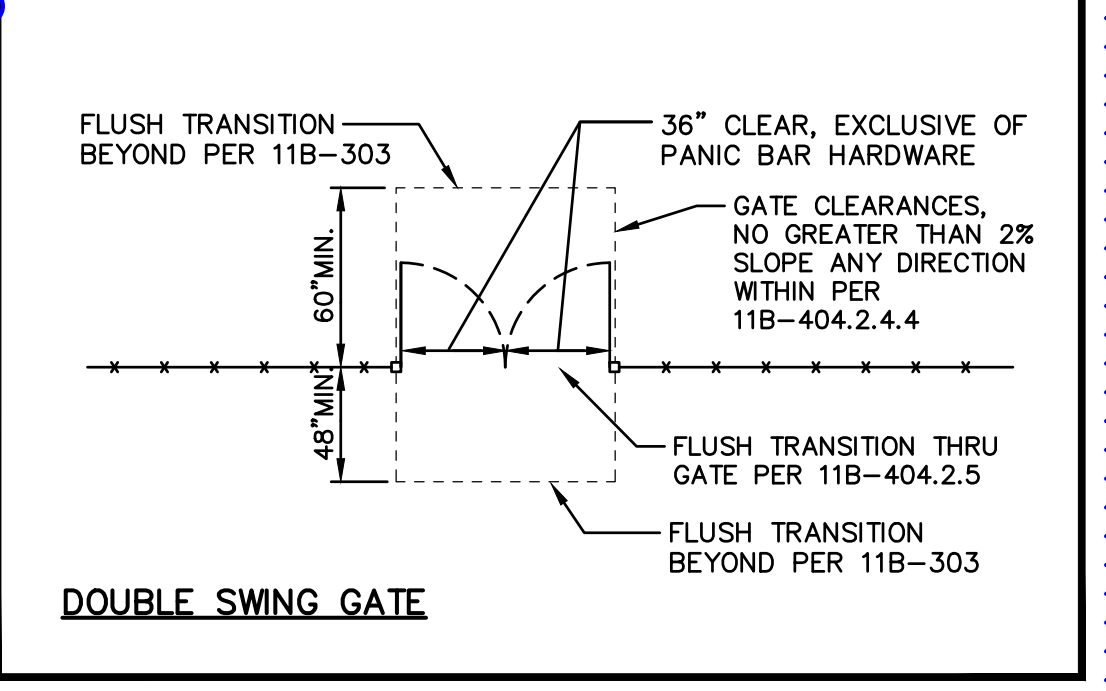
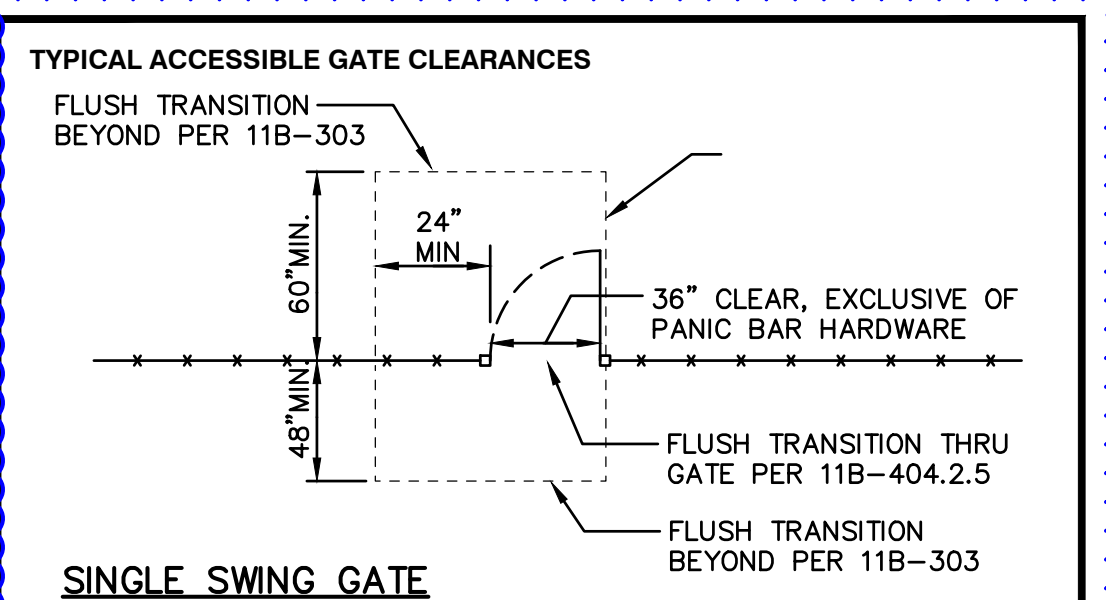
C0.0

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GATE LEGEND

○	ORNAMENTAL METAL GATES	DETAIL REF.	
Ⓔ	SINGLE ACCESSIBLE PEDESTRIAN GATE WITH ALL ACCESSIBLE HARDWARE & PANIC FOR EGRESS.	5 C4.2	2 C4.4
Ⓔ	DOUBLE ACCESSIBLE PEDESTRIAN GATE WITH ALL ACCESSIBLE HARDWARE & PANIC FOR EGRESS.	4 C4.4	1 C4.4
Ⓕ	FIRE LANE VEHICULAR ACCESS GATE, MINIMUM 20' CLEAR WITH KNOX BOX OR KNOX LOCK.	2 C4.2	2 C4.2

(* = WHERE "*" SHOWN ON PLAN, GATE IS PROVIDED WITH ELECTRONIC ACCESS CONTROLS. NOTE: ELECTRONIC CONTROLS CANNOT LOCK OUT INSIDE PANIC BAR)



- ### GENERAL SITE PLAN AND ACCESS NOTES:
- 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.
 - Slopes in direction of P.O.T. greater than 1:20 are considered ramps (11B-405); Please show all.
 - 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 1/2" maximum in the direction of traffic flow per CBC Section 11B-302.3; Provide manufacturers cut-sheets for review.
 - 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.

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:
- 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.
 - THE MINIMUM WIDTH OF THE P.O.T. IS 48" AT ANY GIVEN POINT. (11B-403.5.1)
 - THE SURFACE OF THE P.O.T. STABLE, FIRM, AND SLIP RESISTANT. (11B-403.2)
 - THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL IS 5.0% (11B-403.3), UNLESS OTHERWISE INDICATED, WITH THE FOLLOWING EXCEPTIONS:
 - THE SLOPED PORTION OF "RAMP" DOES NOT EXCEED 8.33% (1V:12H) IN THE DIRECTION OF TRAVEL (11B-405.2).
 - 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).
 - THE CROSS SLOPE OF THE ACCESSIBLE PATH OF TRAVEL DOES NOT EXCEED 2% AT ANY GIVEN POINT (11B-403.3).
 - THE ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307).
 - THERE ARE NO PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307).
 - PASSING SPACES AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART. (11B-403.5.3)
 - PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART. (11B-407.3)
 - THERE IS NO DROP-OFF OVER 4" AT THE EDGE OF WALK OR LANDING. (11B-303.5)
 - ARCHITECT AND CONTRACTOR SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.
 - 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."

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



Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. CT4688
STATE OF CALIFORNIA
8/11/2023

Matsuyama Elementary
2023 Fencing

7680 Windbridge Drive
Sacramento, CA 95831

REVISIONS

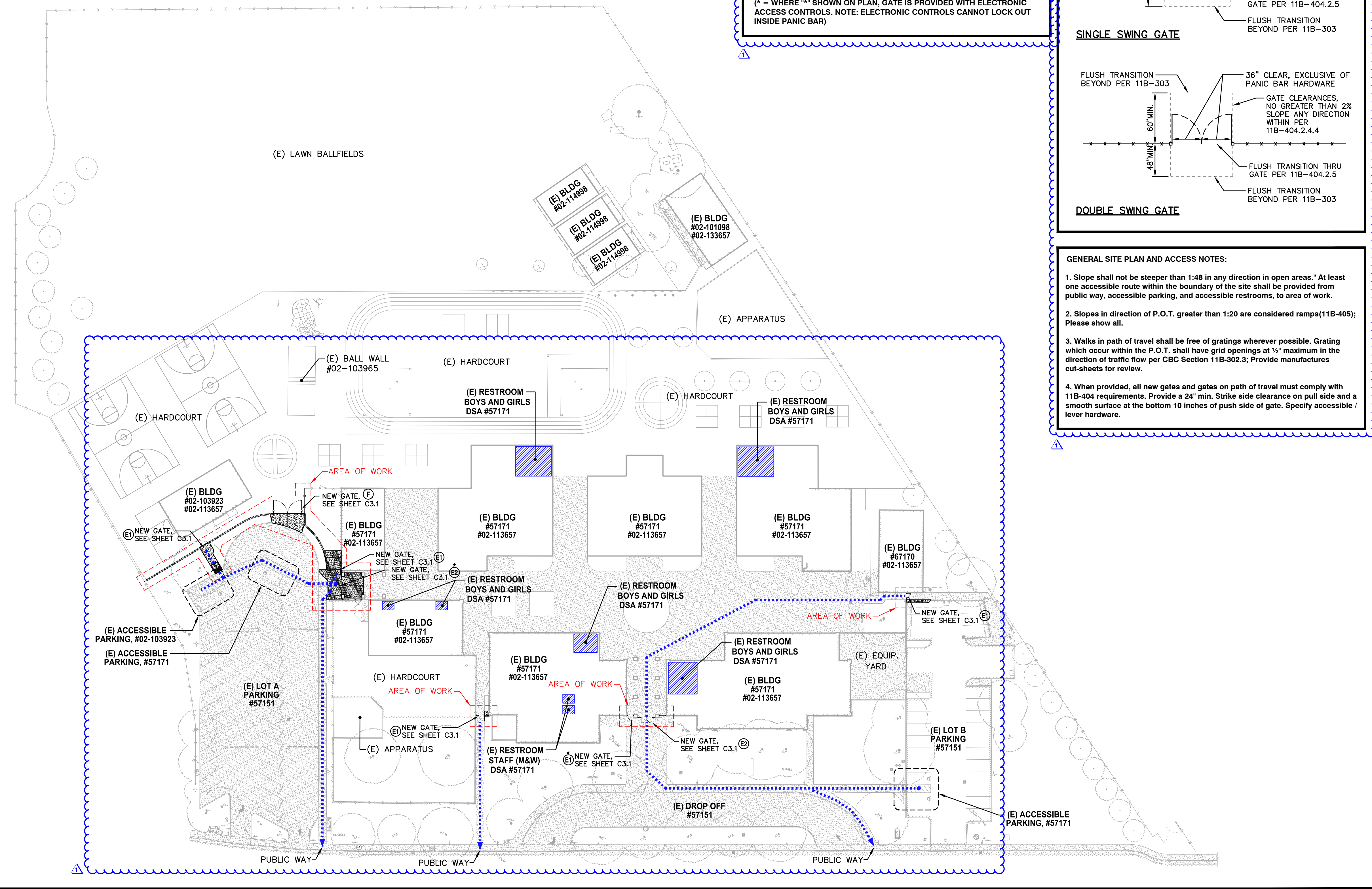
NO.	DESCRIPTION
1	ADDENDUM NO.1

DRAWN: SMN SCALE: AS NOTED
CHECKED: AT PROJECT NO. 23-055
DESIGNED: SMN/AT DATE: 4/24/2023

SHEET TITLE:
SITE ACCESS PLAN

SHEET NO.

C1.0.1



1 SITE ACCESS PLAN

SCALE 1" = 40'-0"

LOT A PARKING CALCULATION

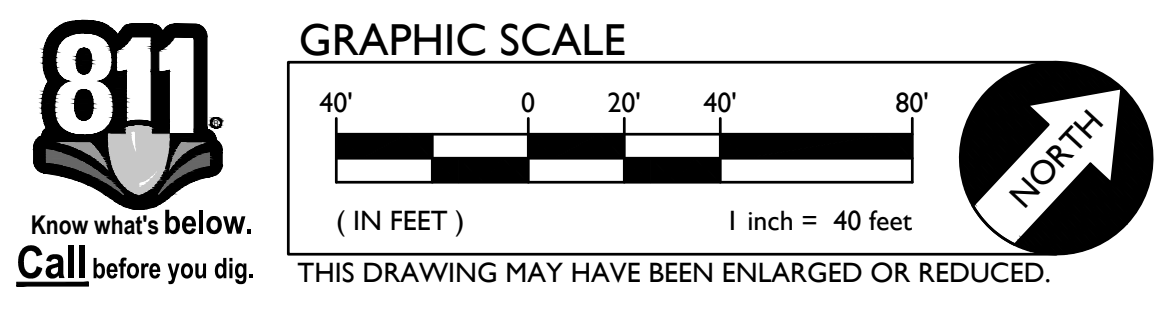
PARKING LOT A PARKING TOTALS	EXISTING	PROPOSED
STANDARD PARKING STALLS	31	31
ACCESSIBLE PARKING SPACES	2	2
OVERALL TOTAL PARKING SPACES	33	33

(E) ACCESSIBLE SPACE REQUIREMENTS	REQUIRED	PROVIDED
REQUIRED ACCESSIBLE SPACES (CAR)	1	1
REQUIRED ACCESSIBLE SPACES (VAN)	1	1
TOTAL REQUIRED ACCESSIBLE SPACES (PER 2019 CBC SECTION 11B-208.2)	2	2

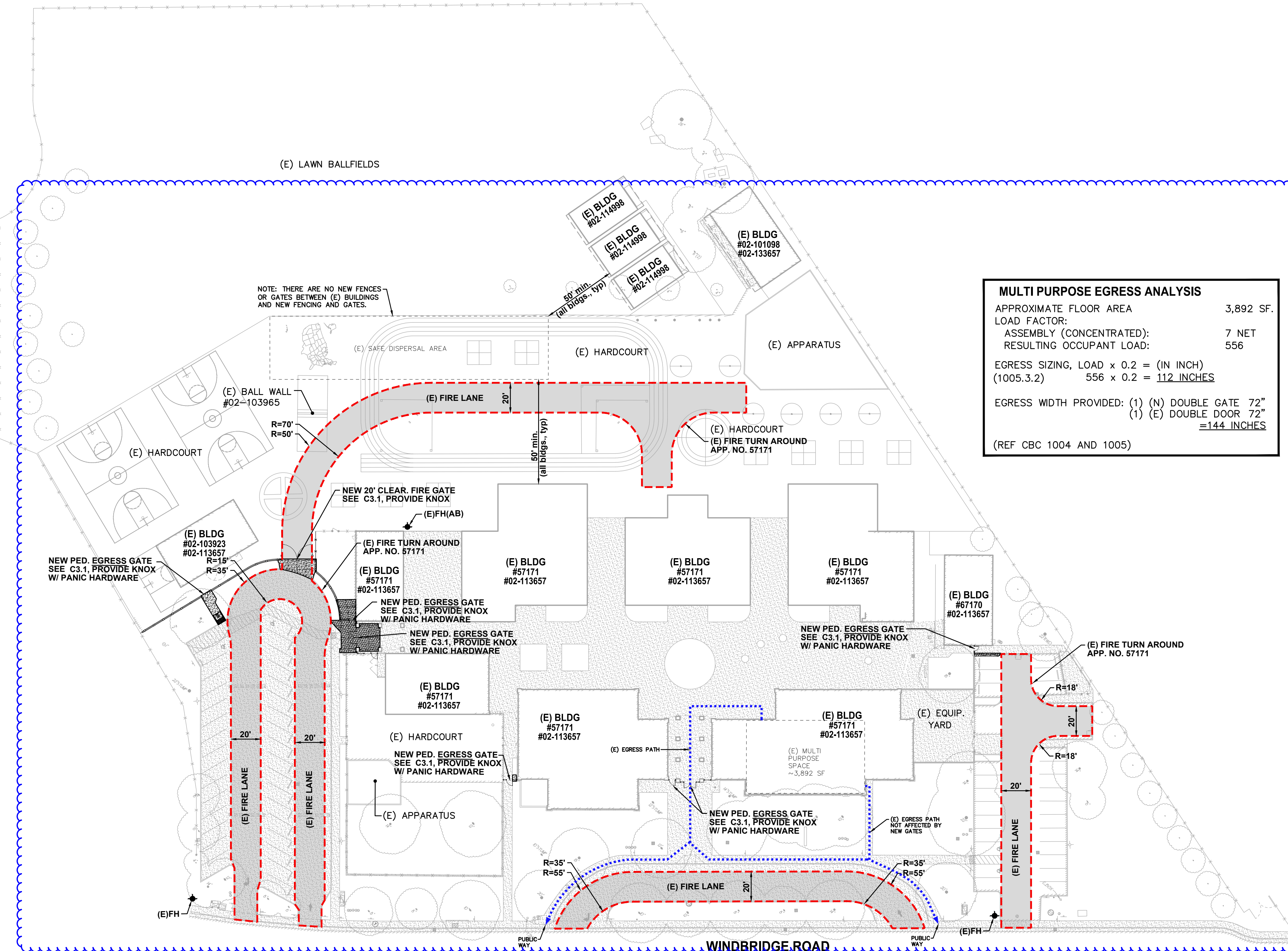
LOT B PARKING CALCULATION

PARKING LOT A PARKING TOTALS	EXISTING	PROPOSED
STANDARD PARKING STALLS	26	26
ACCESSIBLE PARKING SPACES	2	2
OVERALL TOTAL PARKING SPACES	26	26

(E) ACCESSIBLE SPACE REQUIREMENTS	REQUIRED	PROVIDED
REQUIRED ACCESSIBLE SPACES (CAR)	1	1
REQUIRED ACCESSIBLE SPACES (VAN)	1	1
TOTAL REQUIRED ACCESSIBLE SPACES (PER 2019 CBC SECTION 11B-208.2)	2	2



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MULTI PURPOSE EGRESS ANALYSIS	
APPROXIMATE FLOOR AREA	3,892 SF.
LOAD FACTOR:	
ASSEMBLY (CONCENTRATED):	7 NET
RESULTING OCCUPANT LOAD:	556
EGRESS SIZING, LOAD x 0.2 = (IN INCH)	
(1005.3.2)	556 x 0.2 = 112 INCHES
EGRESS WIDTH PROVIDED: (1) (N) DOUBLE GATE 72"	
	(1) (E) DOUBLE DOOR 72"
	= 144 INCHES
(REF CBC 1004 AND 1005)	

FIRE LANE DESIGNATION

ALL FIRE LANES ON THIS PLAN SHALL BE DESIGNATED IN ACCORDANCE WITH THE STRIPING PLANS, UTILIZING ONE OF THE FOLLOWING APPROVED MEANS:

- CURBS - PAINT CURB TOP AND FACE RED WITH COMMERCIAL GRADE RED TRAFFIC PAINT. ON FACE OF CURB, PAINT 4" TALL WHITE LETTERING STATING "NO PARKING - FIRE LANE" AT 25' O.C. CENTERED ON FACE.
- PAVING - PAINT 6" WIDE RED STRIPE ON PAVEMENT WITH COMMERCIAL GRADE RED TRAFFIC PAINT. CENTERED IN STRIPE, PAINT 4" TALL WHITE LETTERING STATING "NO PARKING - FIRE LANE" AT 25' O.C.
- SIGNAGE - POSTING OF SIGNS COMPLIANT WITH CFC 2016, APPENDIX D103.6 EVERY 50 FEET.

EXCEPTIONS:

- STREETS 20' WIDE TO 26' WIDE SHALL BE MARKED ON BOTH SIDES AS STATED ABOVE.
- STREETS GREATER THAN 26' WIDE NEED ONLY MARKING ON ONE SIDE AS STATED ABOVE.
- EDGES OF FIRE LANES AT PARKING DO NOT REQUIRE DESIGNATION.

SEE STRIPING PLAN FOR ACTUAL REQUIRED STRIPING.

NOTE:
All new and existing fire lanes are asphalt or concrete paved unless otherwise stated.

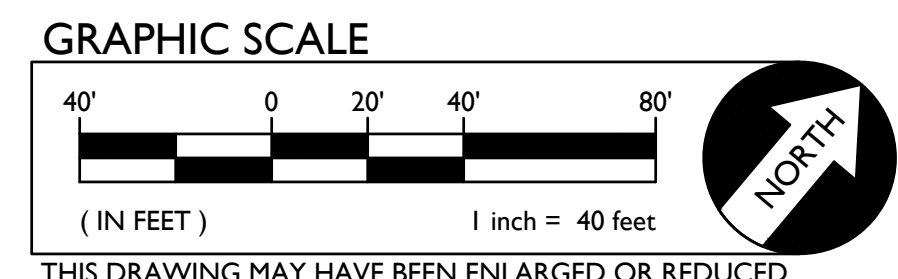
TYPICAL FIRE LANE	
CLEAR WIDTH	20 FEET
CLEAR HEIGHT	13.5 FEET
INSIDE RADIUS	35 FEET MIN.
OUTSIDE RADIUS	55 FEET MIN.

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.



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:	MATSUYAMA ELEMENTARY SCHOOL		
Project Address:	7680 WINDBRIDGE DRIVE, SACRAMENTO, CA 95831		
FIRE & LIFE SAFETY INFORMATION			
1.	Has a fire hydrant flow test been performed within the past 12 months? <i>(If yes, provide a copy of the test data.)</i>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? <i>(If yes, indicate FHSZ classification below.)</i>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Refer to the following website for FHSZ locations: http://eqis.fire.ca.gov/FHSZ/		Moderate <input type="checkbox"/>	High <input type="checkbox"/> Very High <input type="checkbox"/>
Wildland Interface Area (WIFA) <i>(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)</i>			WIFA <input type="checkbox"/>

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 4

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.			<input checked="" type="checkbox"/>	
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.			<input checked="" type="checkbox"/>	
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.			<input checked="" type="checkbox"/>	
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.			<input checked="" type="checkbox"/>	
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:	City of Sacramento Fire Department
LFA Review Official:	King Tunson
Title:	Program Specialist
Work Phone:	(916) 808-1358
Work Email:	ktunson@sfd.cityofsacramento.org
LFA Reviewer's Signature:	_____
Date:	_____

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 2 of 4

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

OWNER:
Sacramento City Unified School District

Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

CONSULTANT:
ANTHONY J. TASSANO
REGISTERED PROFESSIONAL ENGINEER
NO. C74698
STATE OF CALIFORNIA
8/11/2023

Matsuyama Elementary
2023 Fencing

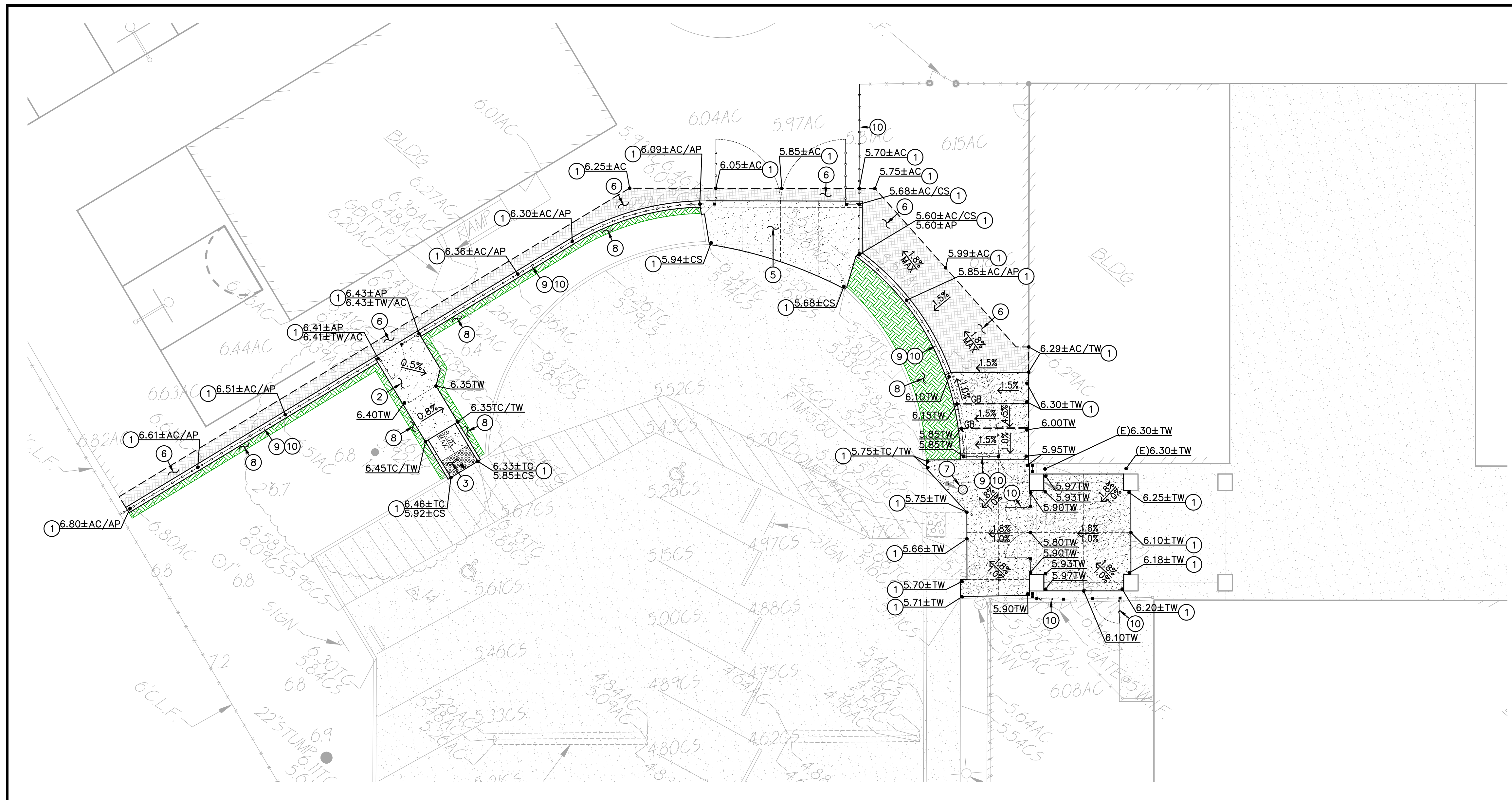
7680 Windbridge Drive
Sacramento, CA 95831

REVISIONS	
NO.	DESCRIPTION
1	ADDENDUM NO.1

DRAWN: SMN SCALE: AS NOTED
CHECKED: AT PROJECT NO. 23-055
DESIGNED: SMN/AT DATE: 4/24/2023

FIRE ACCESS PLAN

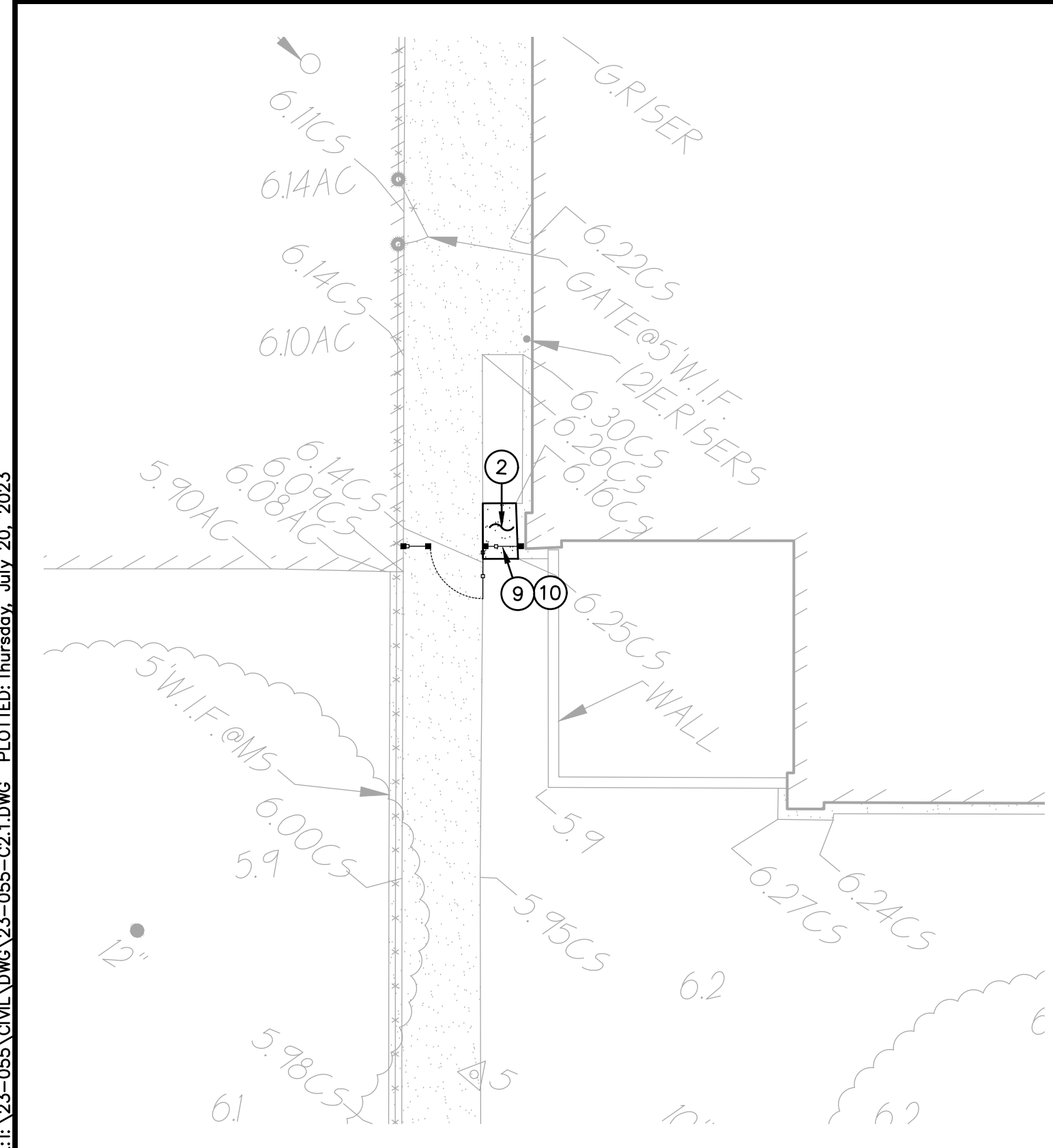
SHEET NO. C1.0.2



- LEGEND**
- 1. MATCH EXISTING GRADE/ELEVATION. WHEN MATCHING NEW SLABS TO EXISTING, DOWEL SLABS PER THE DETAIL PROVIDED AT 24" O.C. 1
C4.1
 - 2. PLACE 5" CONCRETE PAVING WITH #4 REBAR AT 24" O.C.E.W. OVER 6" CLASS II AB ON COMPACTED SUBGRADE PER THE TYPICAL DETAILS PROVIDED. REFER TO PAVING PLAN FOR SECTIONS. REFER TO SPECIFICATIONS SECTION 31 00 00 FOR SUBGRADE PREPARATION, SECTION 32 16 00 FOR CONCRETE PAVING. 1 2
C4.1 C4.1
5
C4.1
 - 3. CONSTRUCT CONCRETE CURB RAMP PER THE DETAIL PROVIDED. 10
C4.1
 - 4. CONSTRUCT CONCRETE CURB PER THE DETAIL PROVIDED. 12
C4.1
 - 5. PLACE 6" CONCRETE PAVING WITH #4 REBAR AT 18" O.C.E.W. OVER 8" CLASS II AB ON COMPACTED SUBGRADE PER THE TYPICAL DETAILS PROVIDED. REFER TO PAVING PLAN FOR SECTIONS. REFER TO SPECIFICATIONS SECTION 31 00 00 FOR SUBGRADE PREPARATION, SECTION 32 16 00 FOR CONCRETE PAVING. 1 2
C4.1 C4.1
5
C4.1
 - 6. PLACE 3" AC PAVING OVER 9" CLASS II AB ON COMPACTED SUBGRADE, OR MATCH EXISTING SECTION, WHICHEVER IS GREATER. REFER TO SPECIFICATIONS SECTION 32 12 16 FOR MATERIALS AND CONSTRUCTION. REFER TO SECTION 31 00 00 FOR SUBGRADE PREPARATION. 10
C4.1
 - 7. INSTALL NEW TRAFFIC RATED UTILITY BOX OF SAME SIZE AND APPROPRIATE FOR UTILITY. SET NEW BOX FLUSH WITH PROPOSED FINISHED GRADE. WHEN IN NEW CONCRETE AREAS, ALIGN WITH NEW JOINT PATTERNS WHEN POSSIBLE. SEE DEMO PLAN FOR EXISTING BOX REMOVAL. 10
C4.1
 - 8. PATCH AND REPAIR EXISTING LANDSCAPING AND IRRIGATION ALONG EDGE OF NEW WORK. RELOCATE AND ADJUST EXISTING HEADS AS NEEDED TO MAINTAIN COVERAGE. REPLACE ALL BROKEN HEADS RELOCATED. TAPER ALL GRADING AWAY FROM NEW CURBS AND APRONS AND SET GRADES BELOW APRONS, CURBS AND WALKS TO ALLOW FOR LAWN AND OTHER PLANTING PATCH BACK PER THE DETAILS PROVIDED. 2
C4.1
 - 9. CONSTRUCT 12" WIDE CONCRETE APRON PER THE DETAIL PROVIDED. 8
C4.1
 - 10. SEE FENCING PLAN FOR NEW FENCING.
 - 11. CONSTRUCT RAISED CONCRETE MEDIAN, VARIABLE WIDTH AS SHOWN, SIM. TO THE DETAIL PROVIDED. 13
C4.1

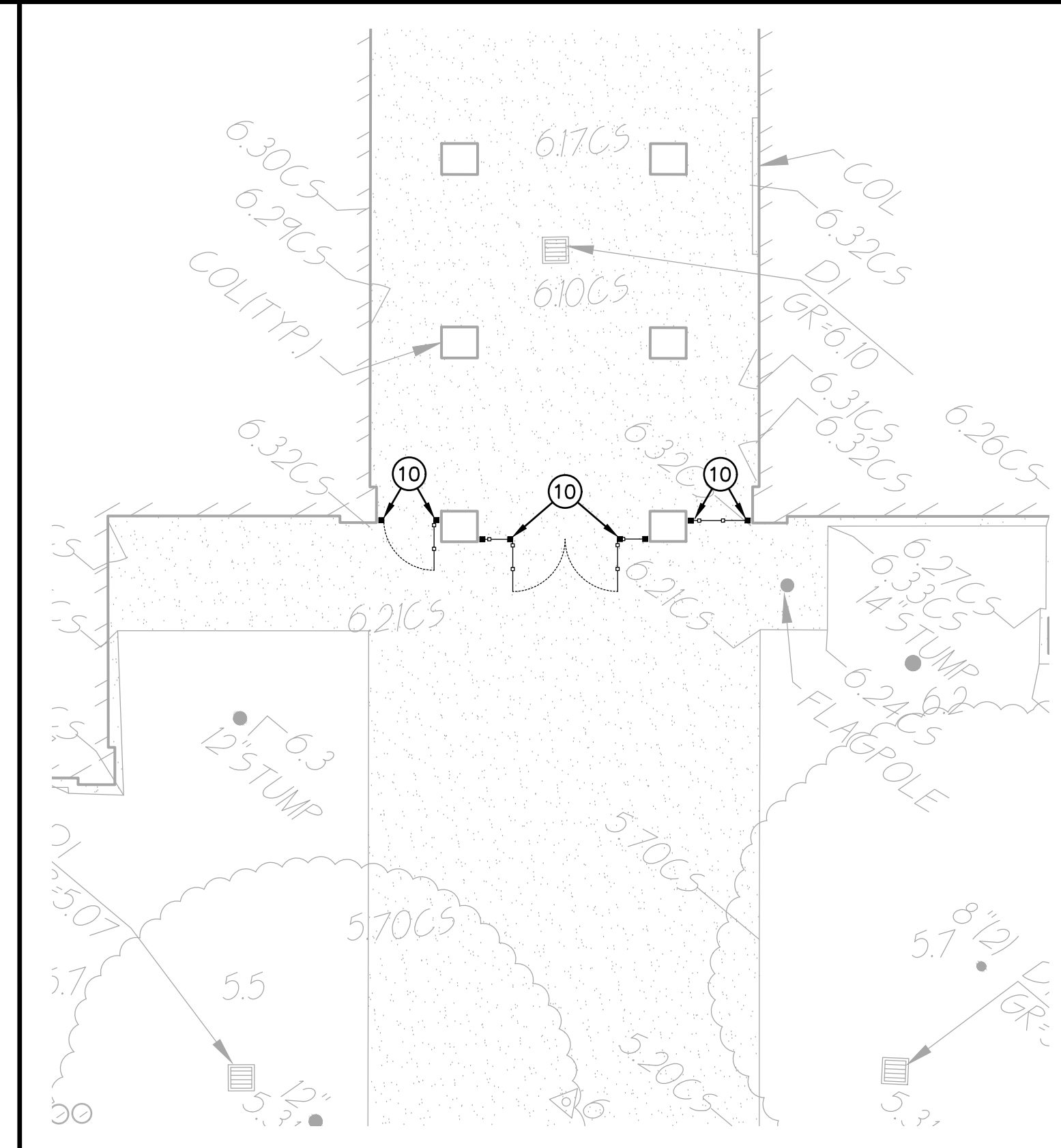
1 GRADING AND CONSTRUCTION PLAN

SCALE 1" = 10'-0"



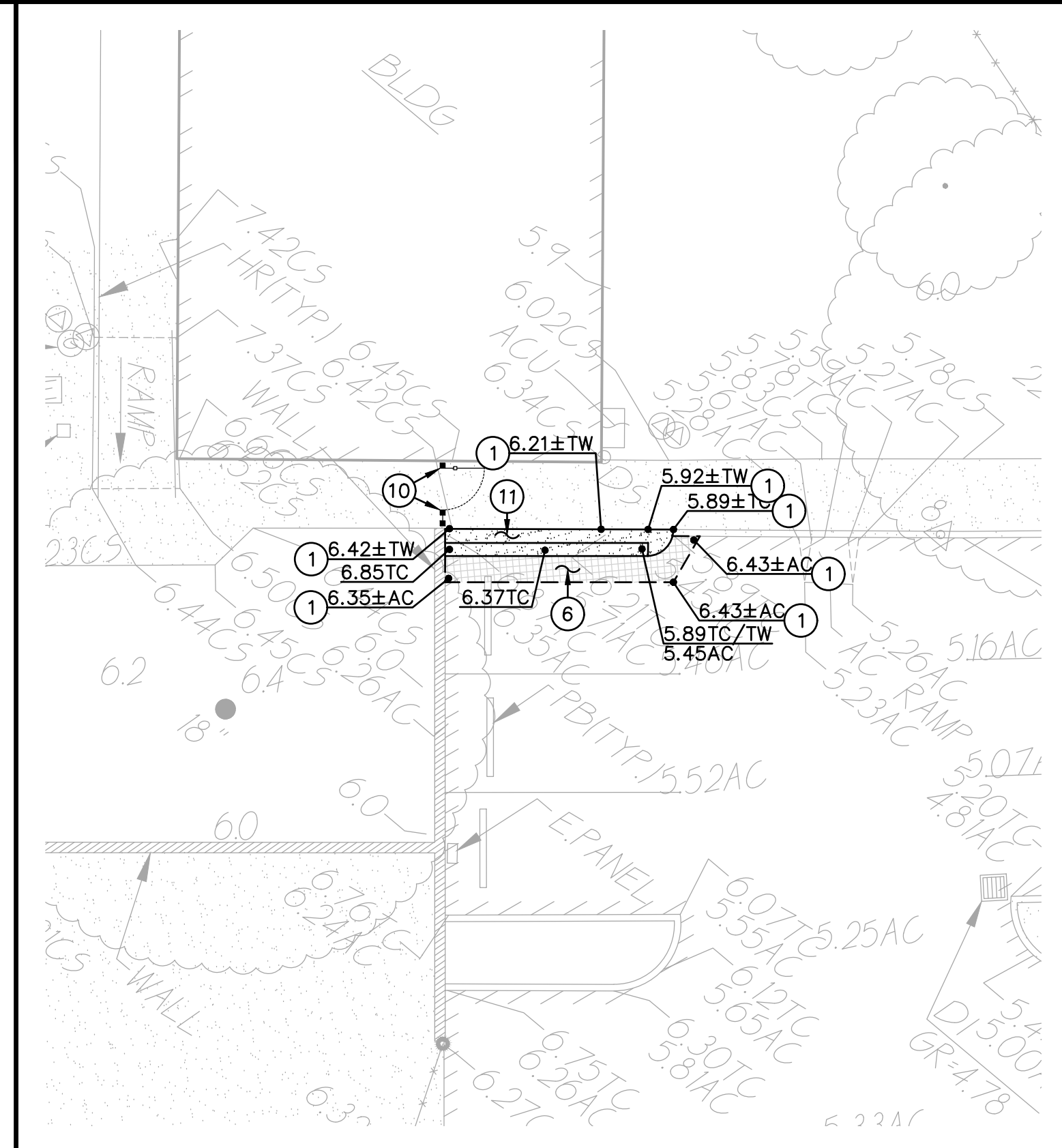
2 GRADING AND CONSTRUCTION PLAN

SCALE 1" = 10'-0"



3 GRADING AND CONSTRUCTION PLAN

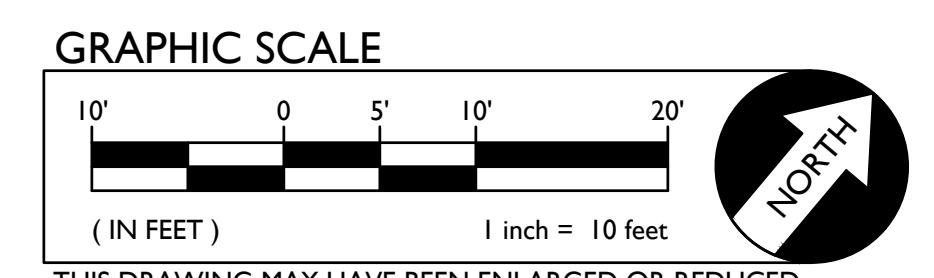
SCALE 1" = 10'-0"



4 GRADING AND CONSTRUCTION PLAN

SCALE 1" = 10'-0"

Surface Repair Note:
Regardless if shown or not, all existing improvements and landscaping cut, removed or damaged by the installation of new work shall be repaired. This is especially true along edges of new work. Contractor shall repair landscaping, and irrigation as needed to maintain system operation. Lawn shall be repaired with sod in well maintained lawn areas. Sparse lawn areas may be repaired with hydro/drilled seeding.



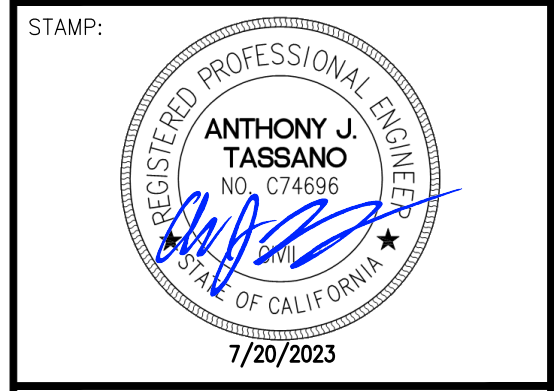
THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

DSA



OWNER:
Sacramento City Unified School District
Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

CONSULTANT:



Matsuyama Elementary 2023 Fencing
7680 Windbridge Drive
Sacramento, CA 95831

REVISIONS	
NO.	DESCRIPTION
1	ADDENDUM NO.1

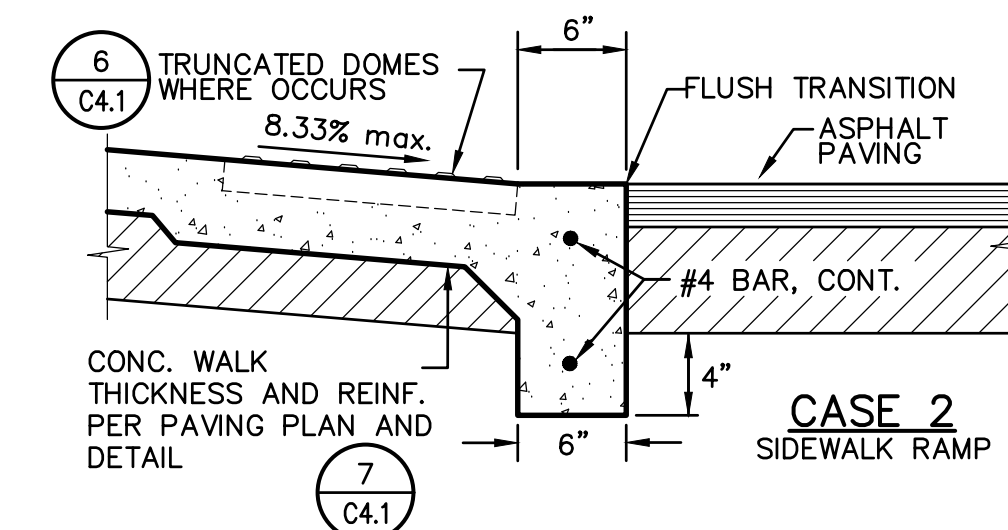
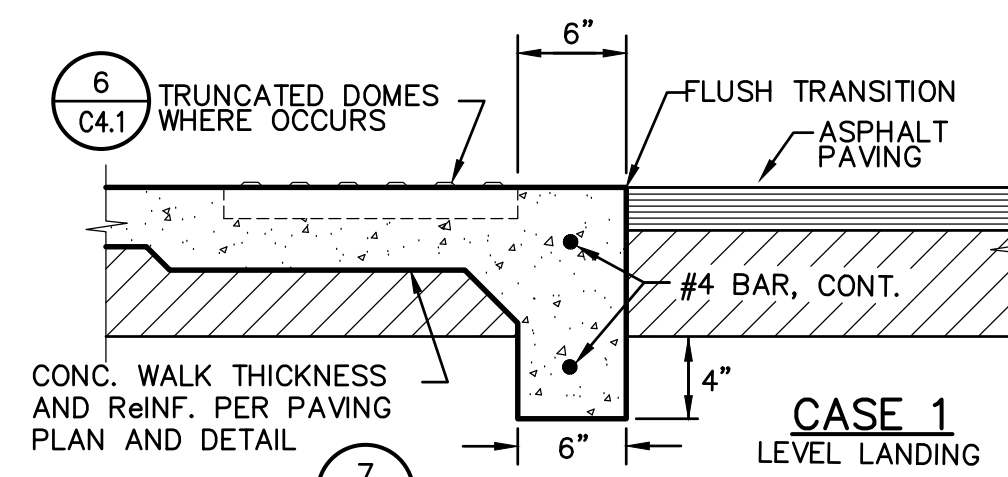
DRAWN: SMN	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-055
DESIGNED: SMN/AT	DATE: 4/24/2023
ISSUANCE:	

SHEET TITLE:
GRADING AND CONSTRUCTION PLAN

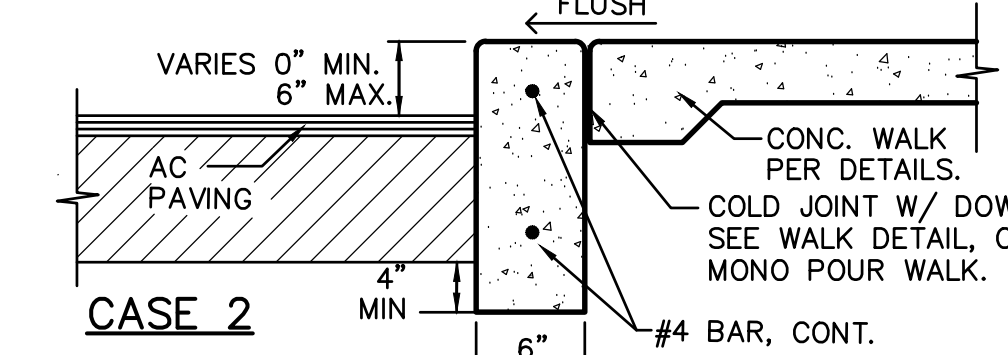
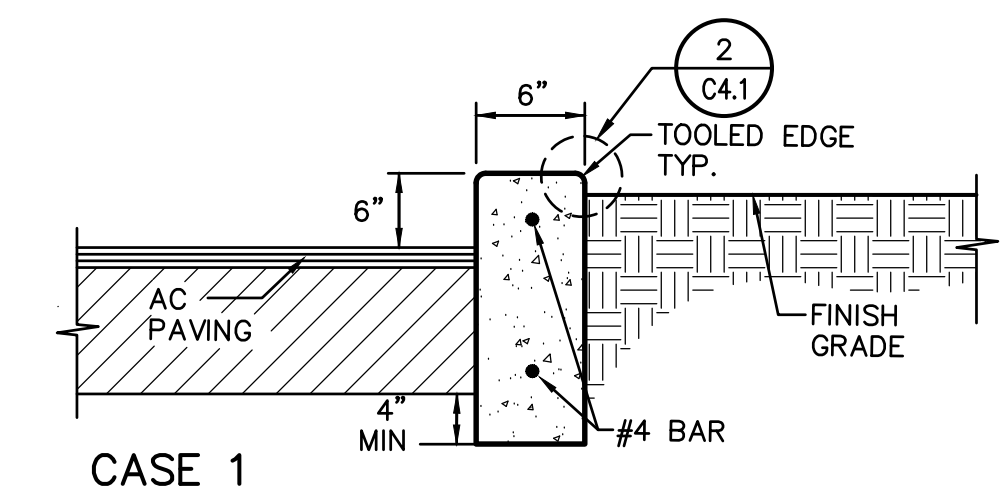
SHEET NO.
C2.1

FILENAME: I:\23-055\Civil\DWG\23-055-C2.1.DWG PLOTTED: Thursday, July 20, 2023

FILENAME: I:\23-055\CIVIL\DWG\23-055-C4.1.DWG PLOTTED: Friday, August 11, 2023

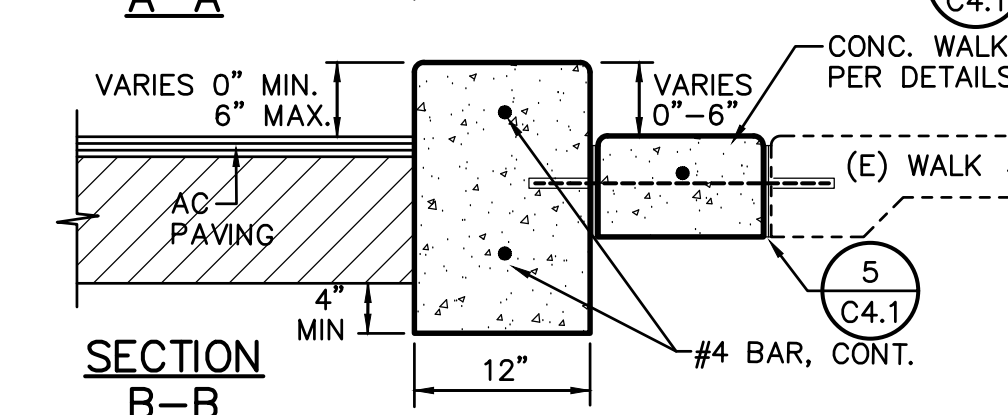
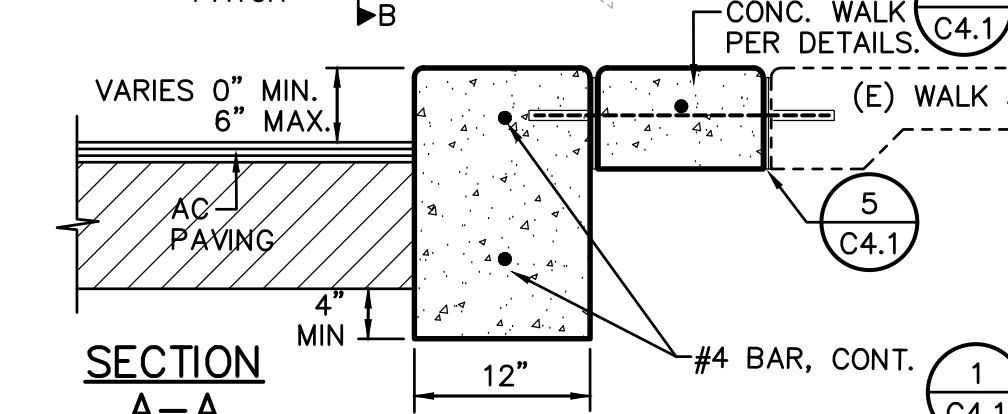
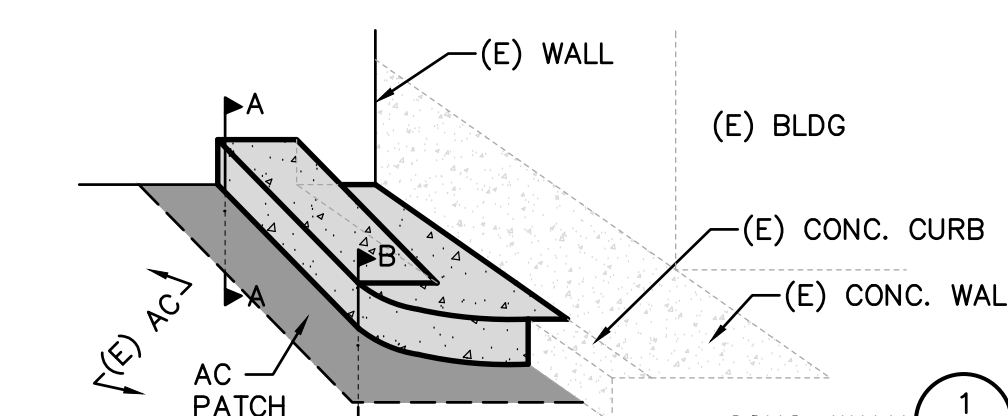


11 FLUSH CONCRETE EDGE
C4.1 NO SCALE



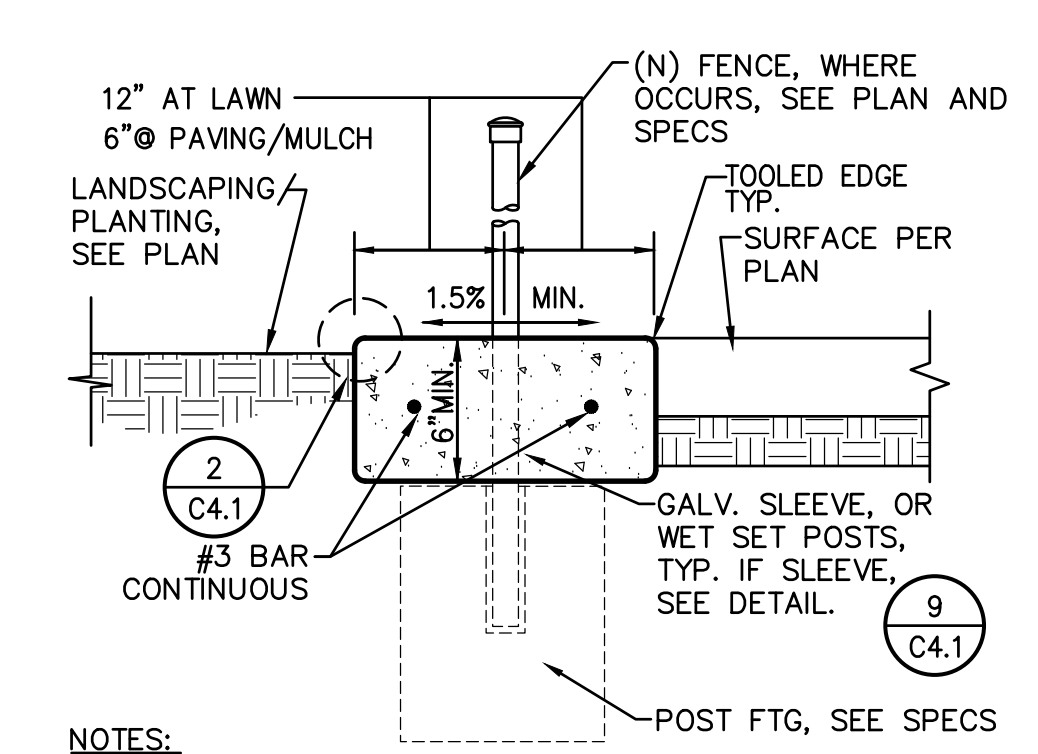
PROVIDE EXPANSION JOINTS AT 20' ON CENTER AND TOOLED CONTROL JOINTS EVERY 10' BETWEEN, OR WHEN ADJOINING CONCRETE WALKS, MATCH WALK JOINTING.

12 CONCRETE CURB
C4.1 NO SCALE



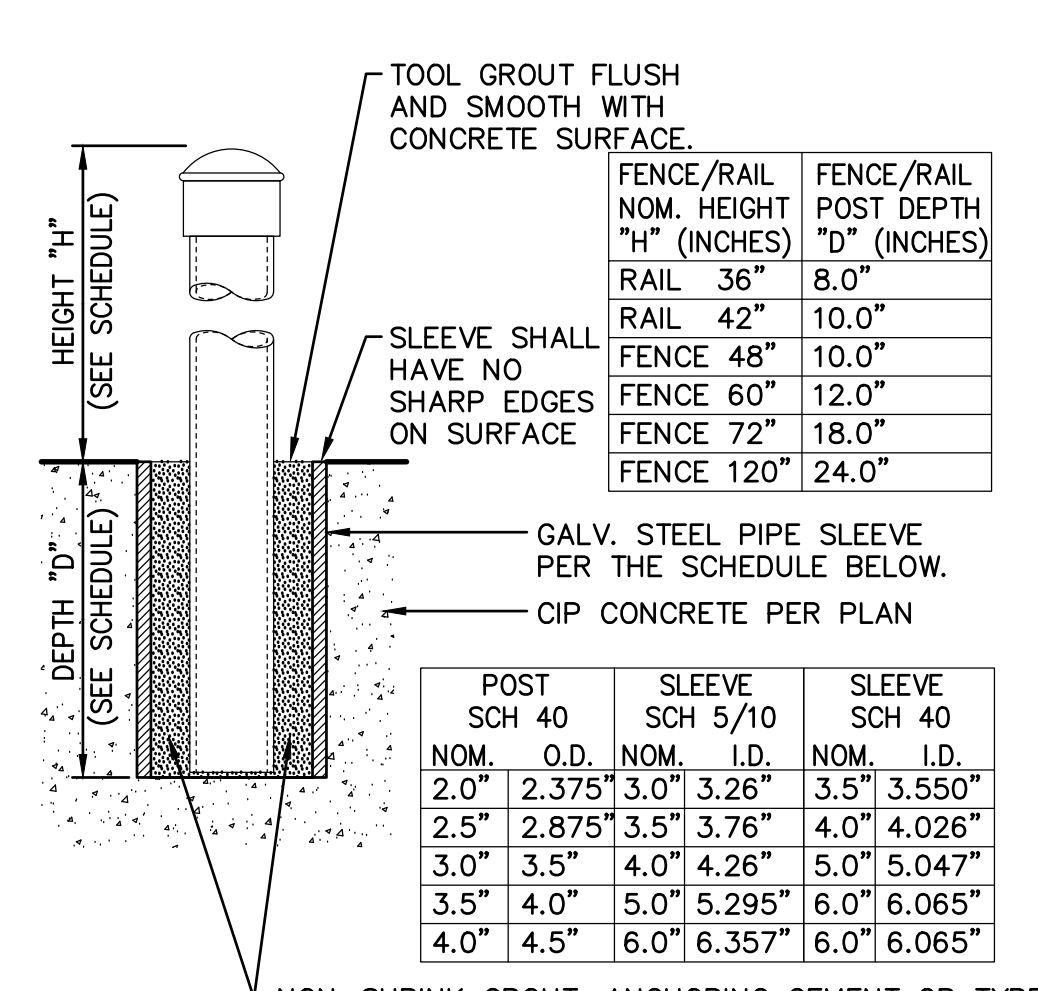
PROVIDE EXPANSION JOINTS AT 20' ON CENTER AND TOOLED CONTROL JOINTS EVERY 10' BETWEEN, OR WHEN ADJOINING CONCRETE WALKS, MATCH WALK JOINTING.

13 CONCRETE CURB
C4.1 NO SCALE



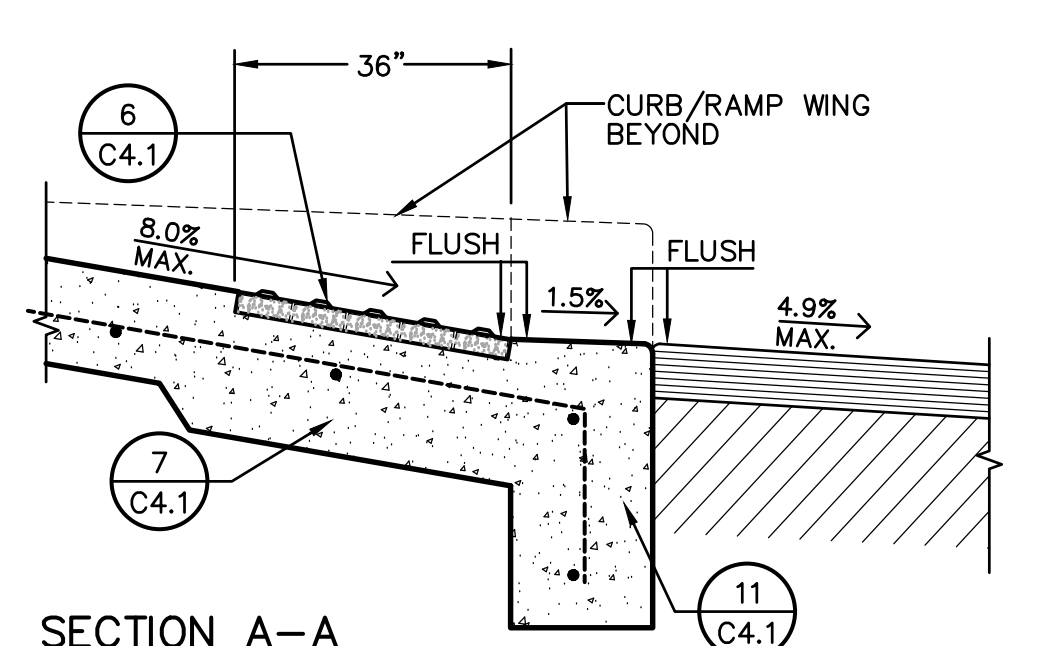
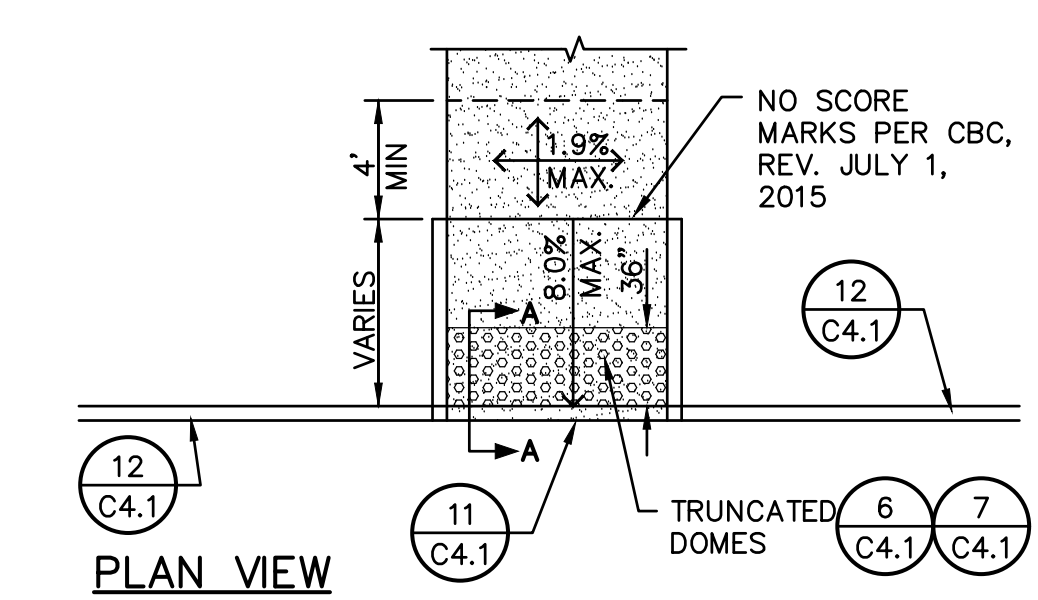
- NOTES:
- WHERE NO FENCING, PROVIDE CONTROL JOINT EVERY 10 FEET, EXPANSION JOINT EVERY 30 FEET, TYP. WHERE FENCING EXISTS, PROVIDE TOOLED JOINT EVERY POST, EXPANSION EVERY 3RD POST.
 - CONCRETE APRON THICKNESS MAY COUNT FOR POST FOOTING TOTAL DEPTH BUT MUST BE PLACED BEFORE FABRIC OR PANEL INSTALLATION.

8 CONCRETE APRON
C4.1 NO SCALE

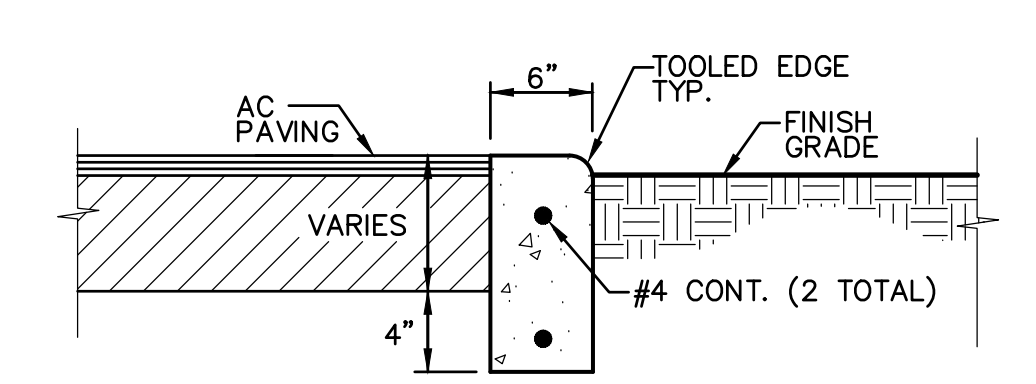


- NON-SHRINK GROUT, ANCHORING CEMENT OR TYPE F MORTAR, ACCEPTABLE AS FOLLOWS:
- SAKRETE NON-SHRINK PRECISION GROUT.
 - W.R. MEADOWS SPEED-E-ROC.
 - QUICKRETE NON-SHRINK PRECISION GROUT
 - DAYTON SUPERIOR, ANCHOR-ALL
 - APPROVED EQUAL.

9 POST SLEEVE DETAIL
C4.1 NO SCALE

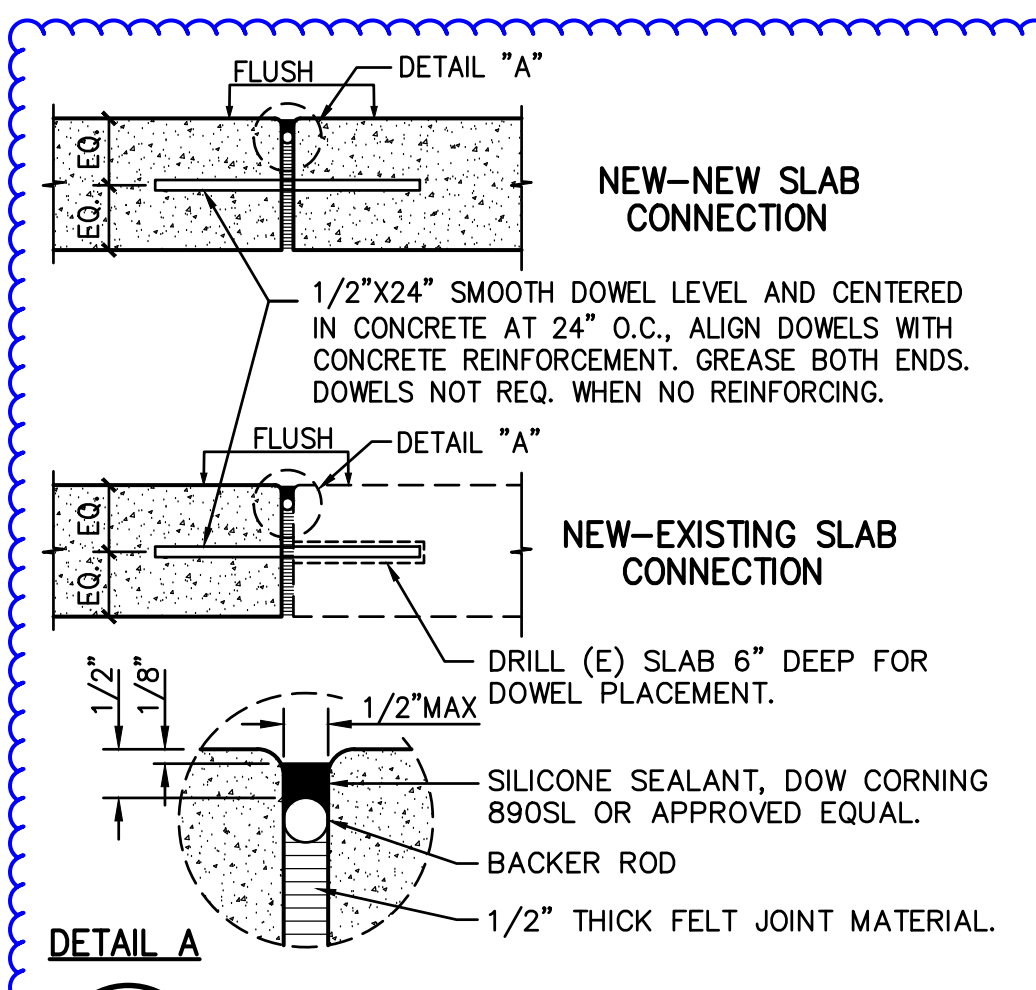


10 ACCESSIBLE CURB RAMP
C4.1 TYPE 1 NO SCALE

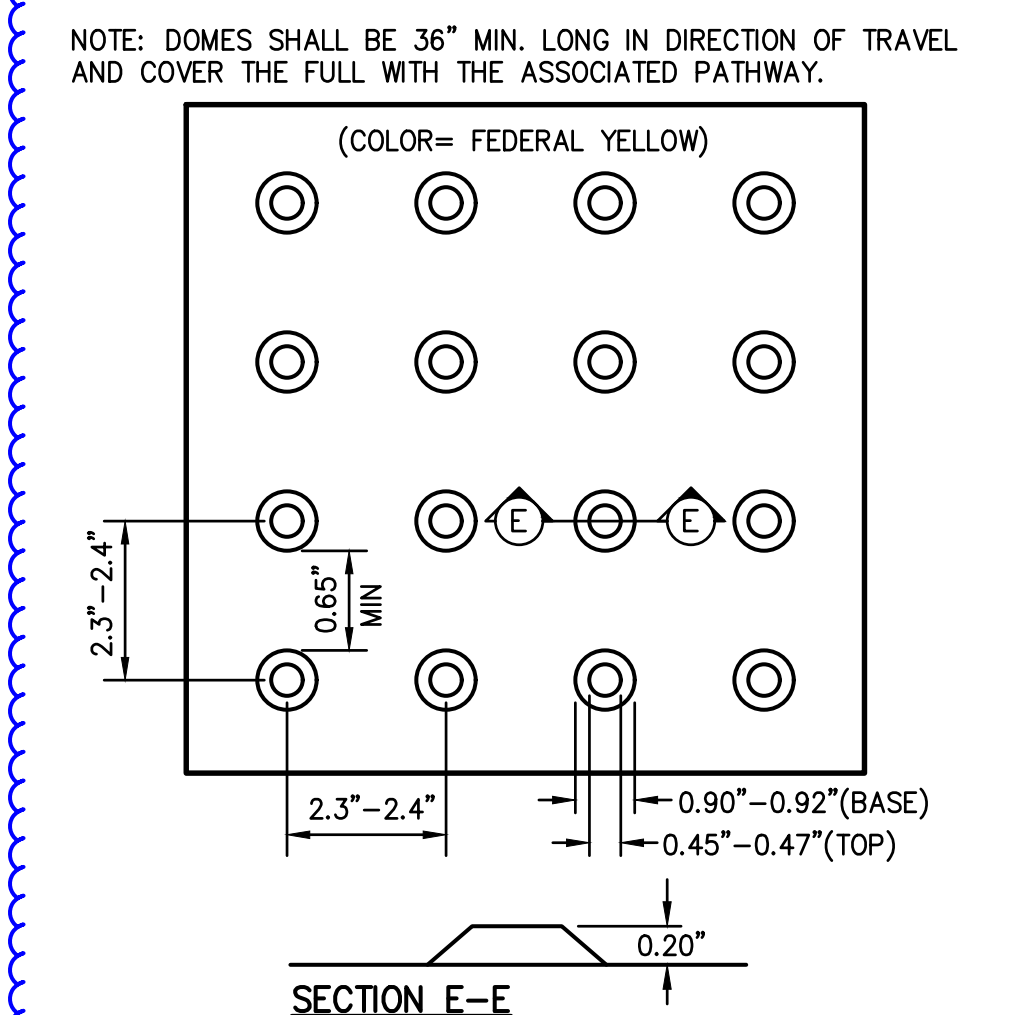


- NOTES:
- PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
 - AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

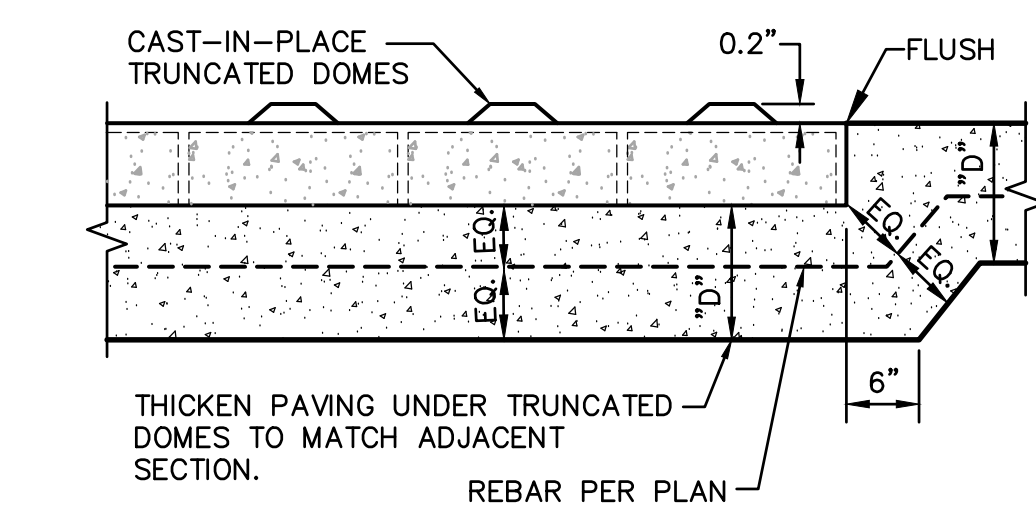
4 FLUSH CONCRETE CURB
C4.1 NO SCALE



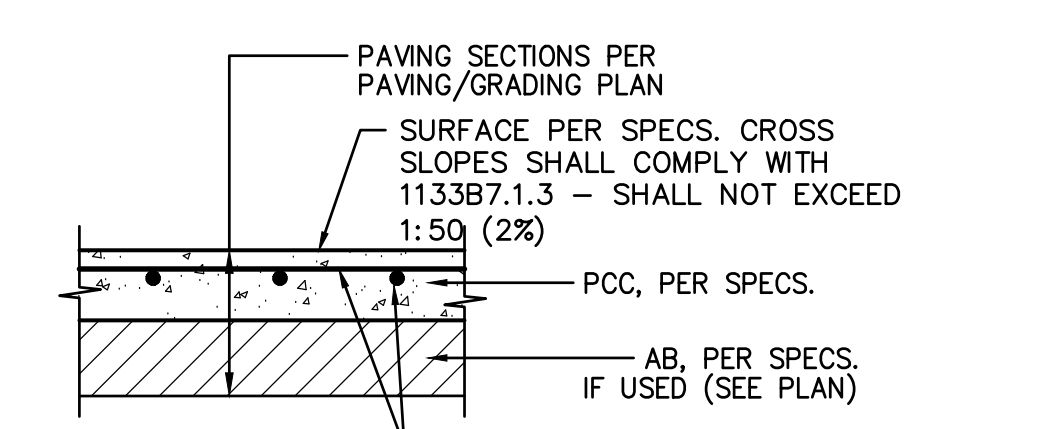
5 EXPANSION JOINT
C4.1 NO SCALE



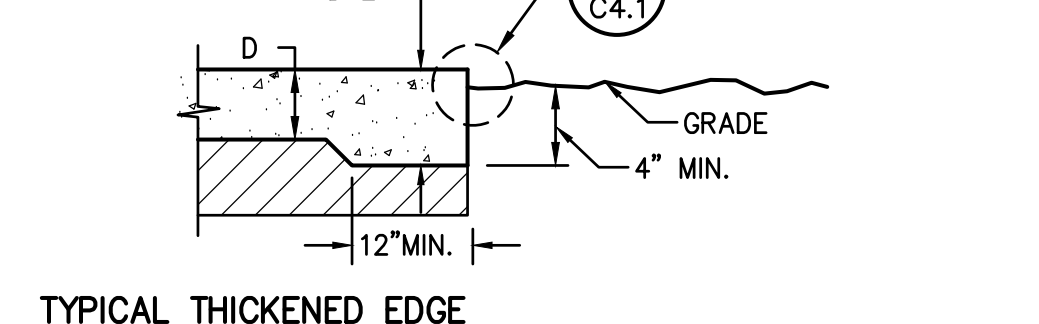
6 TRUNCATED DOMES
C4.1 TYPICAL PATTERN NO SCALE



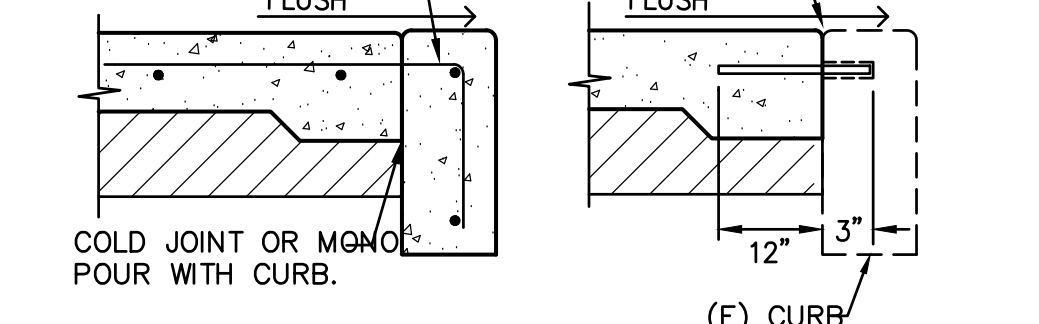
7 SLAB AT TRUNCATED DOMES
C4.1 NO SCALE



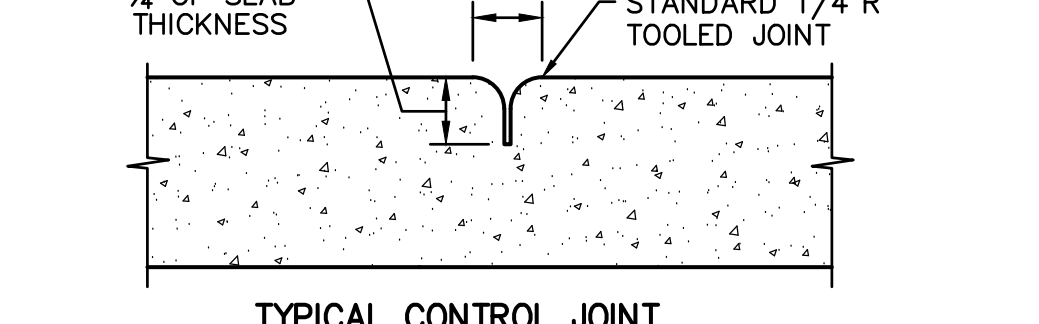
1 CONCRETE SIDEWALK
C4.1 NO SCALE



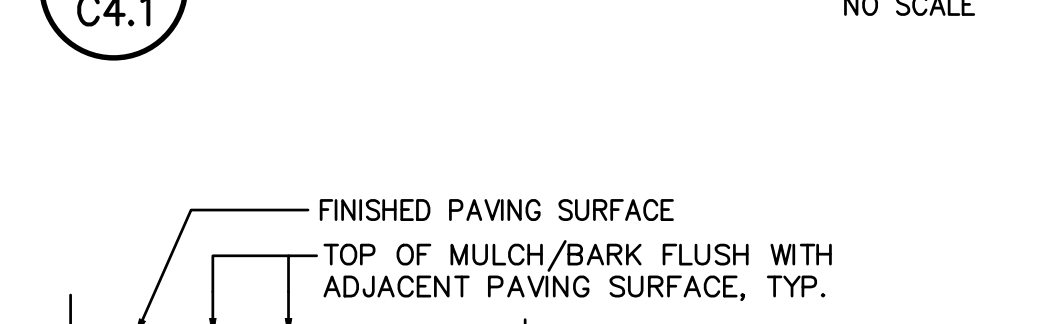
1 CONCRETE SIDEWALK
C4.1 NO SCALE



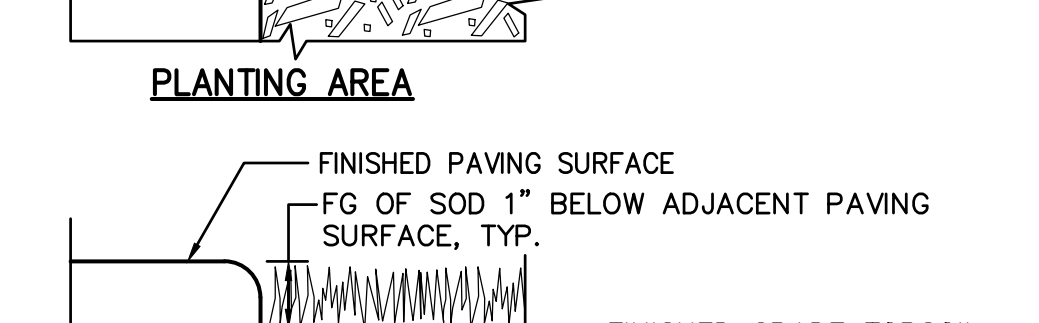
1 CONCRETE SIDEWALK
C4.1 NO SCALE



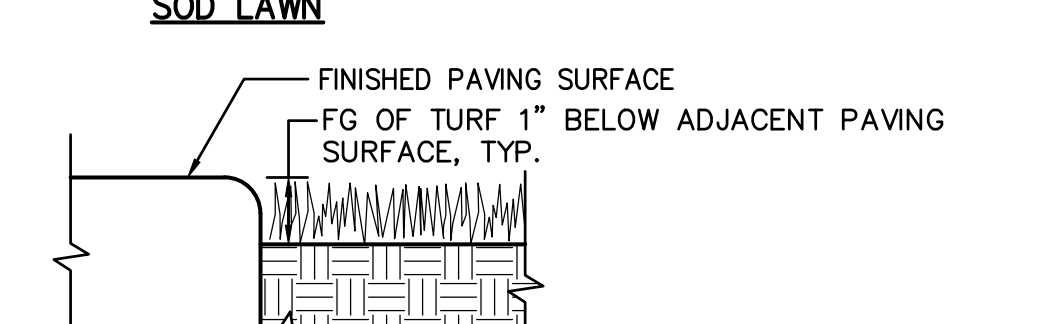
1 CONCRETE SIDEWALK
C4.1 NO SCALE



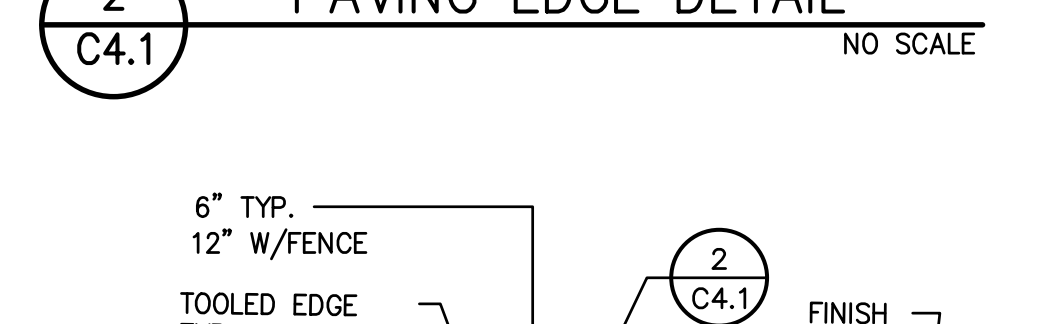
1 CONCRETE SIDEWALK
C4.1 NO SCALE



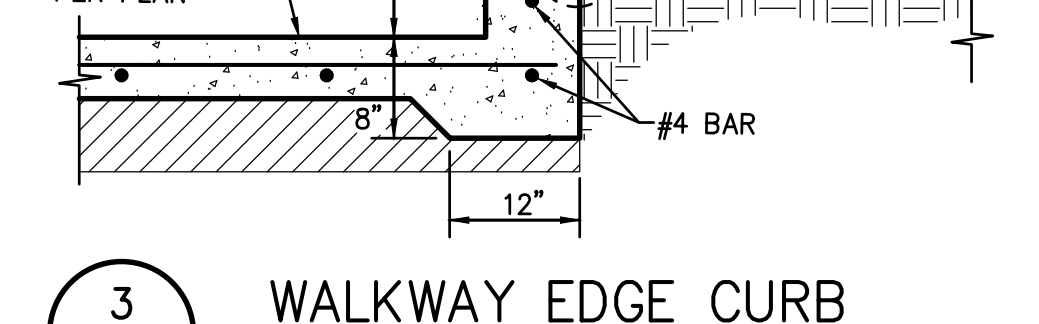
1 CONCRETE SIDEWALK
C4.1 NO SCALE



1 CONCRETE SIDEWALK
C4.1 NO SCALE



2 PAVING EDGE DETAIL
C4.1 NO SCALE



3 WALKWAY EDGE CURB
C4.1 NO SCALE

WARREN CONSULTING ENGINEERS, INC.
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Sacramento City Unified School District
Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

ANTHONY J. TASSANO
REGISTERED PROFESSIONAL ENGINEER
NO. C74698
STATE OF CALIFORNIA
8/11/2023

Matsuyama Elementary
2023 Fencing
7680 Windbridge Drive
Sacramento, CA 95831

NO.	DESCRIPTION
Δ	ADDENDUM NO.1

NO.	DESCRIPTION

NO.	DESCRIPTION

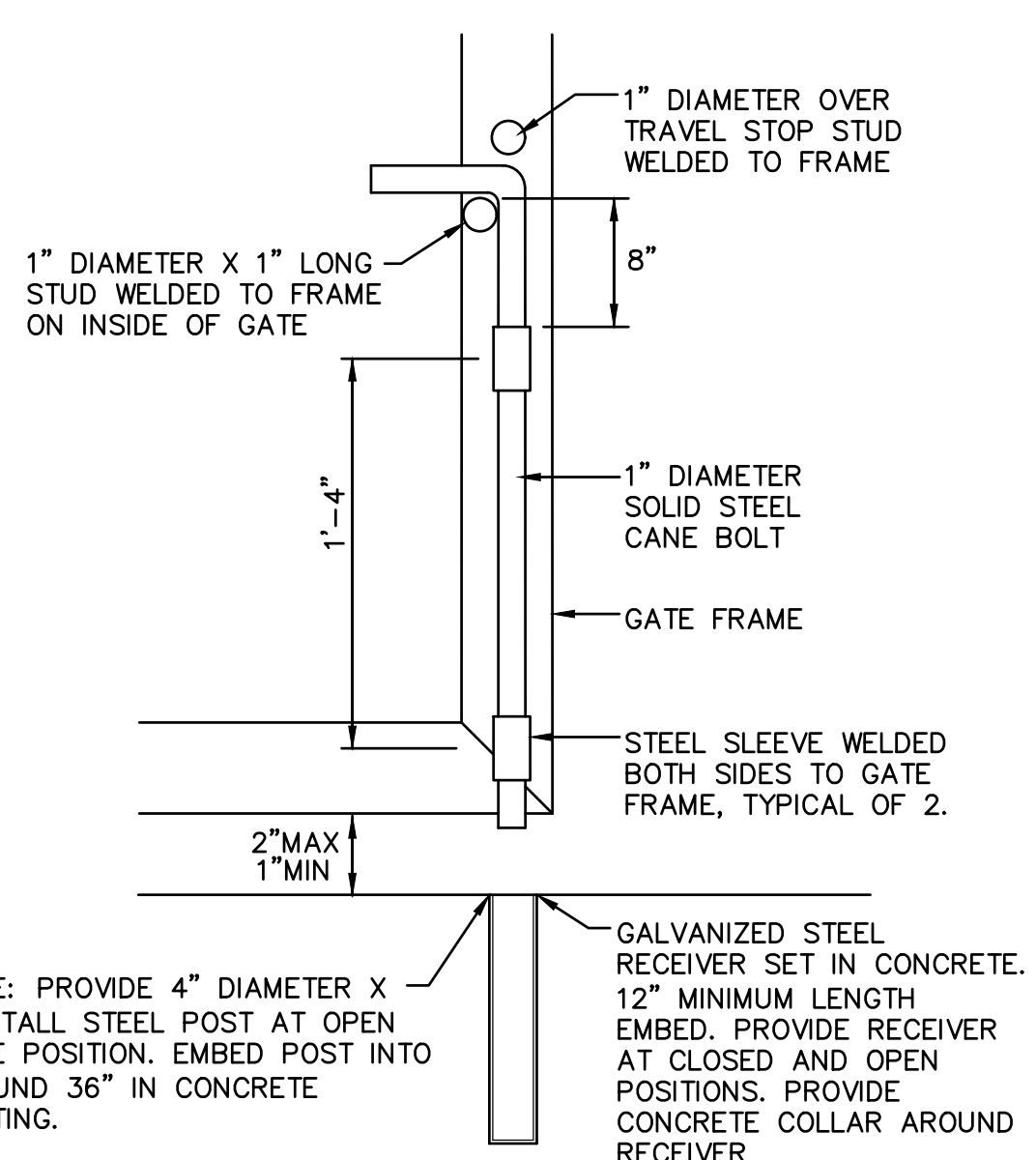
NO.	DESCRIPTION

NO.	DESCRIPTION

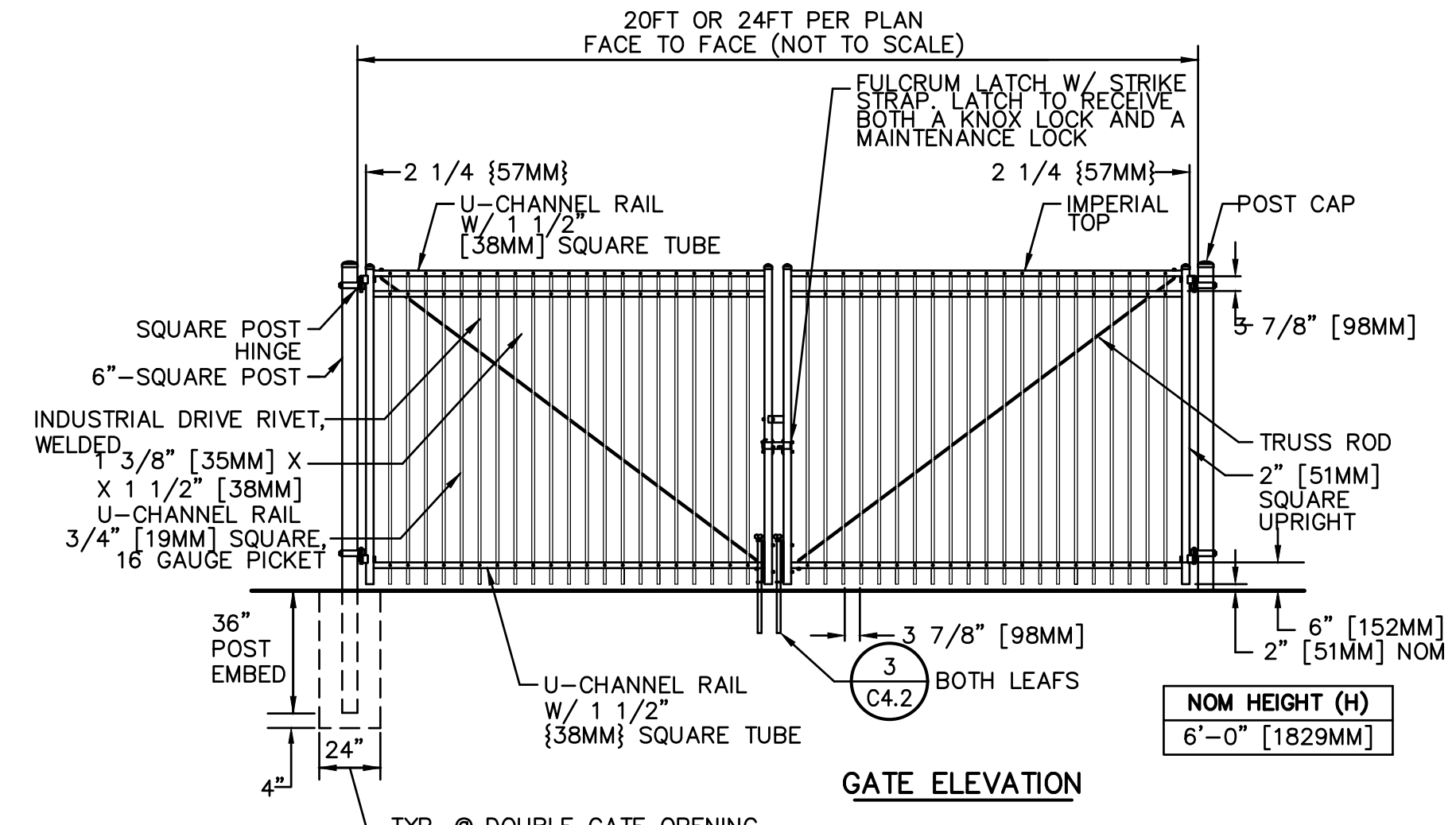
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NO.	DESCRIPTION

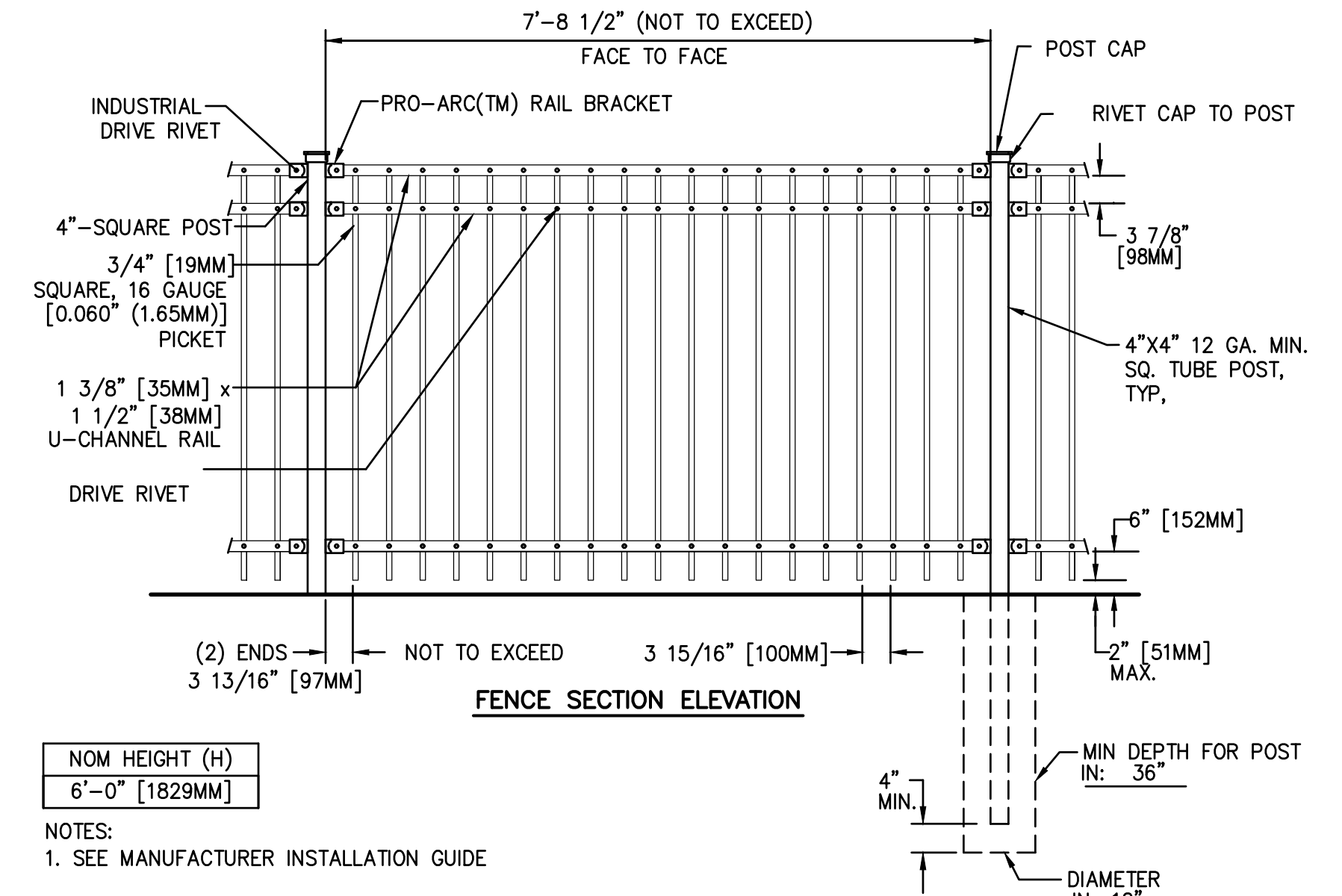
DETAILS AND SECTIONS
C4.1



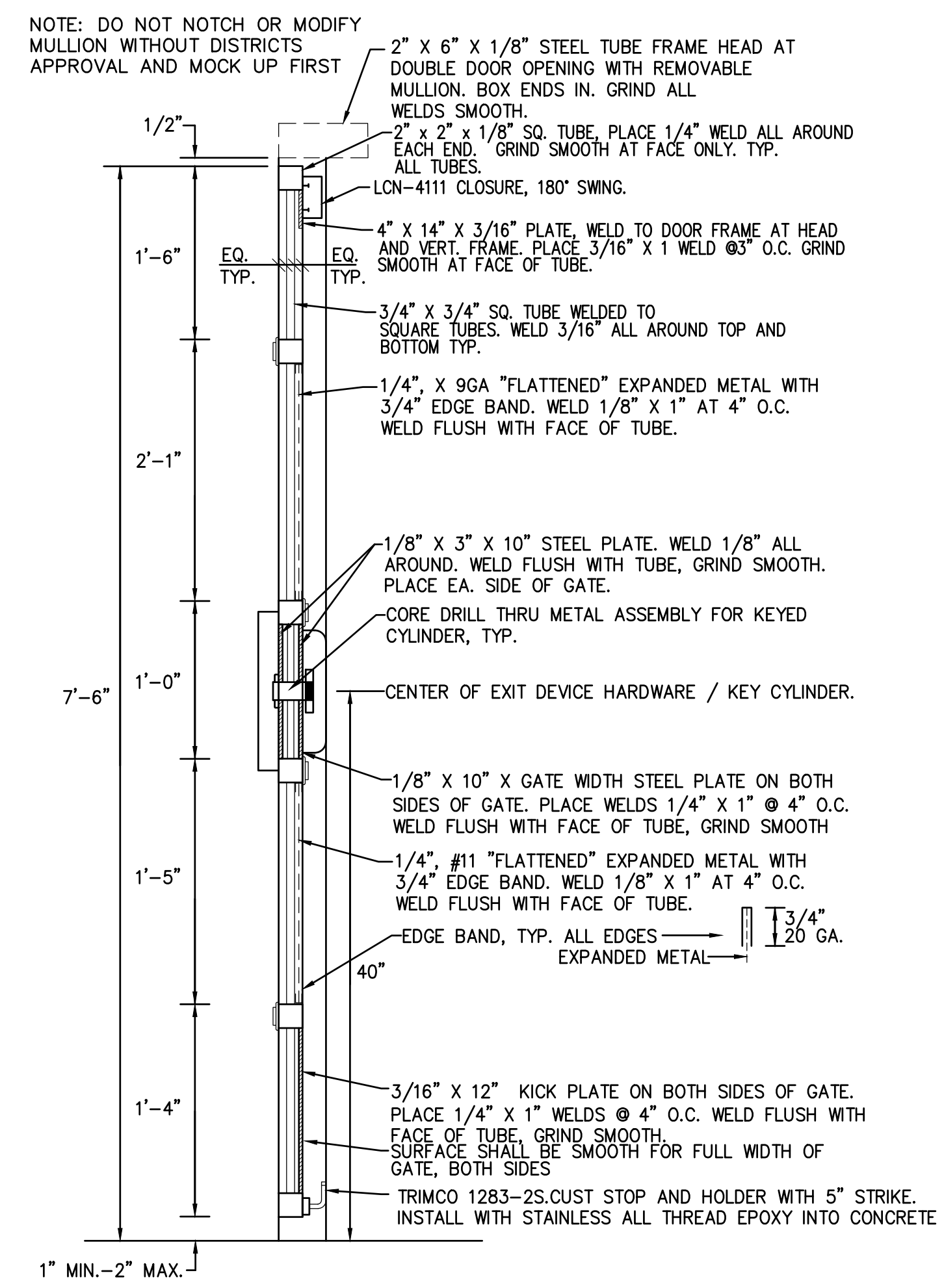
3
C4.2 CANE BOLT DETAIL
NO SCALE



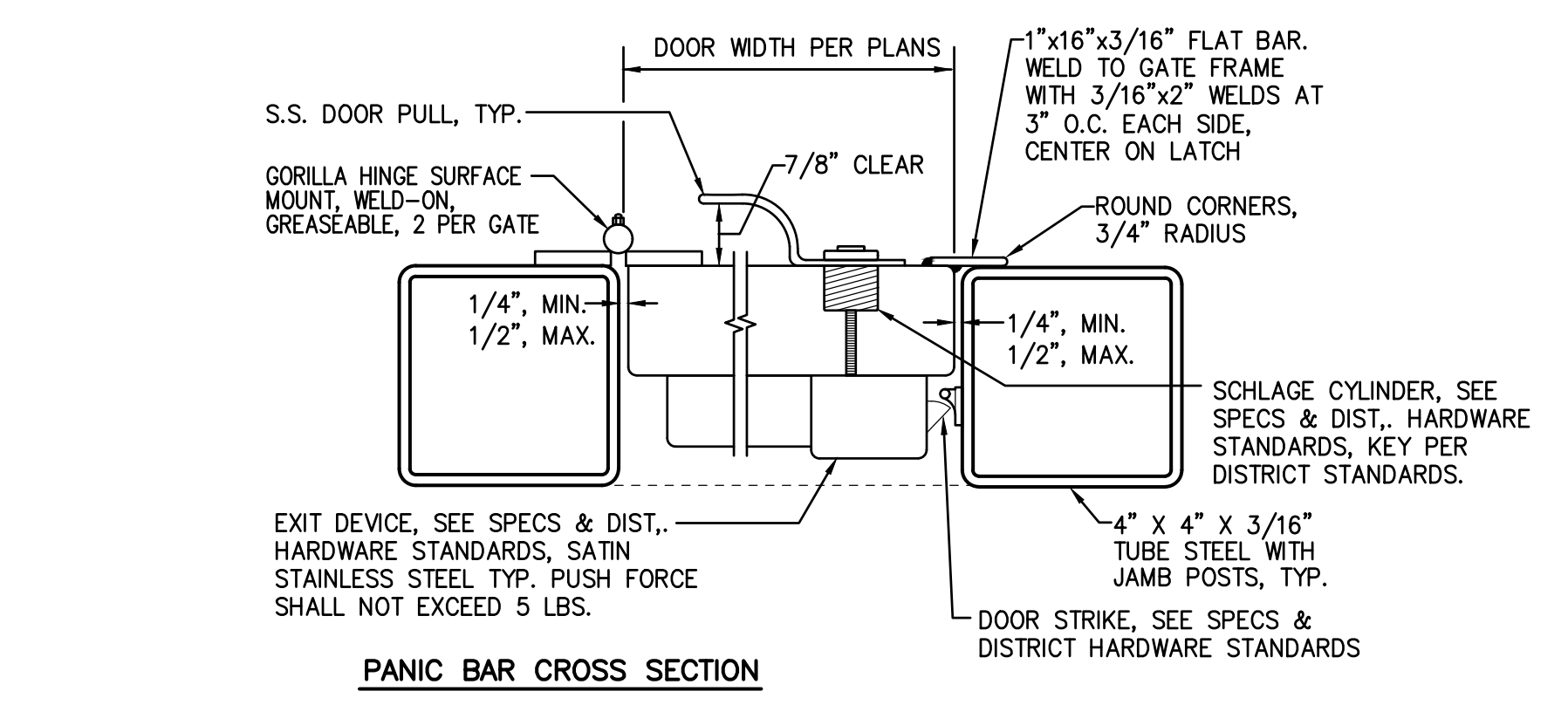
2
C4.2 TYPICAL ORNAMENTAL VEHICULAR ACCESS GATE
MAINTENANCE AND FIRE ACCESS ONLY, NON-ACCESSIBLE
NO SCALE



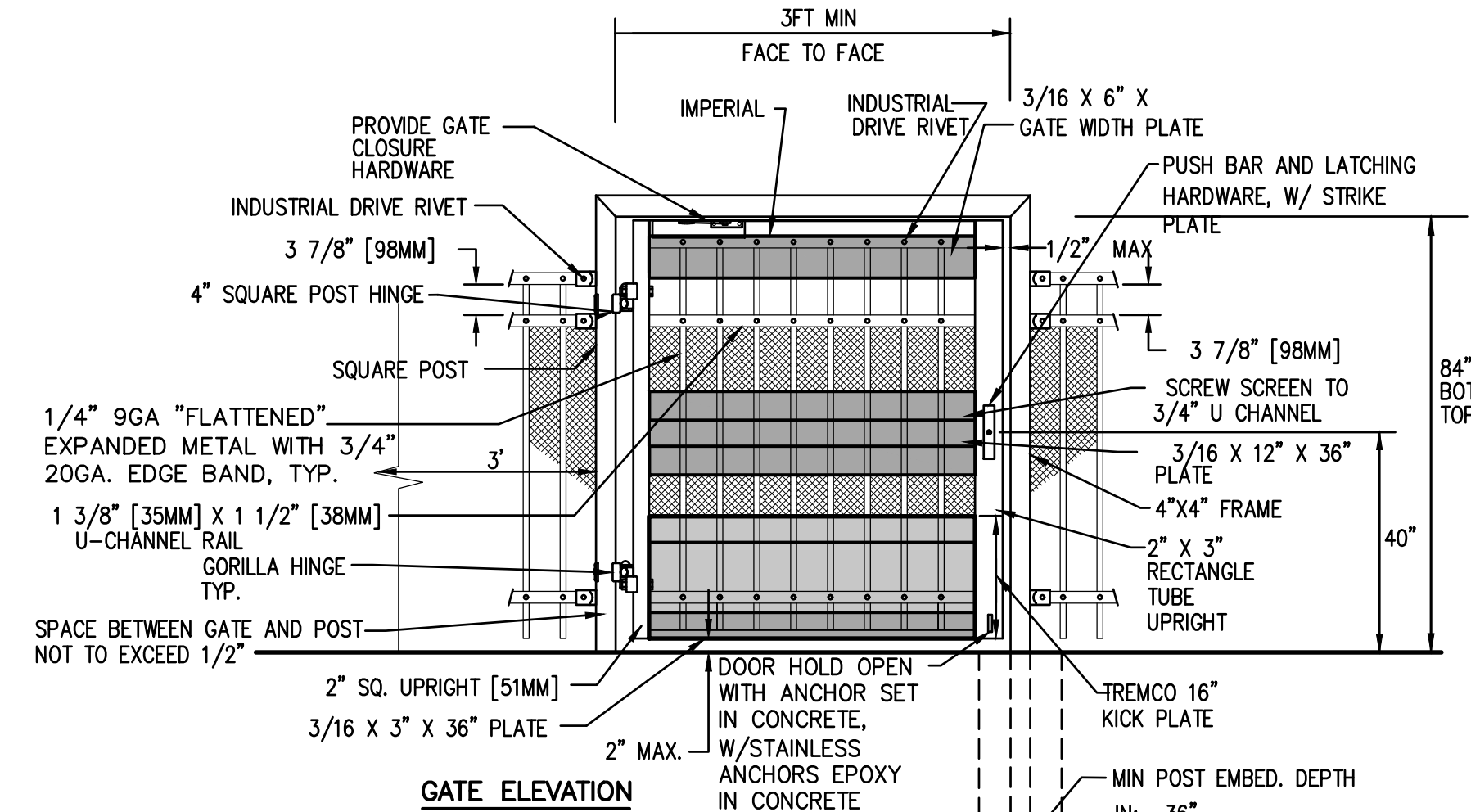
1
C4.2 TYPICAL ORNAMENTAL FENCING - 6' HEIGHT
NO SCALE



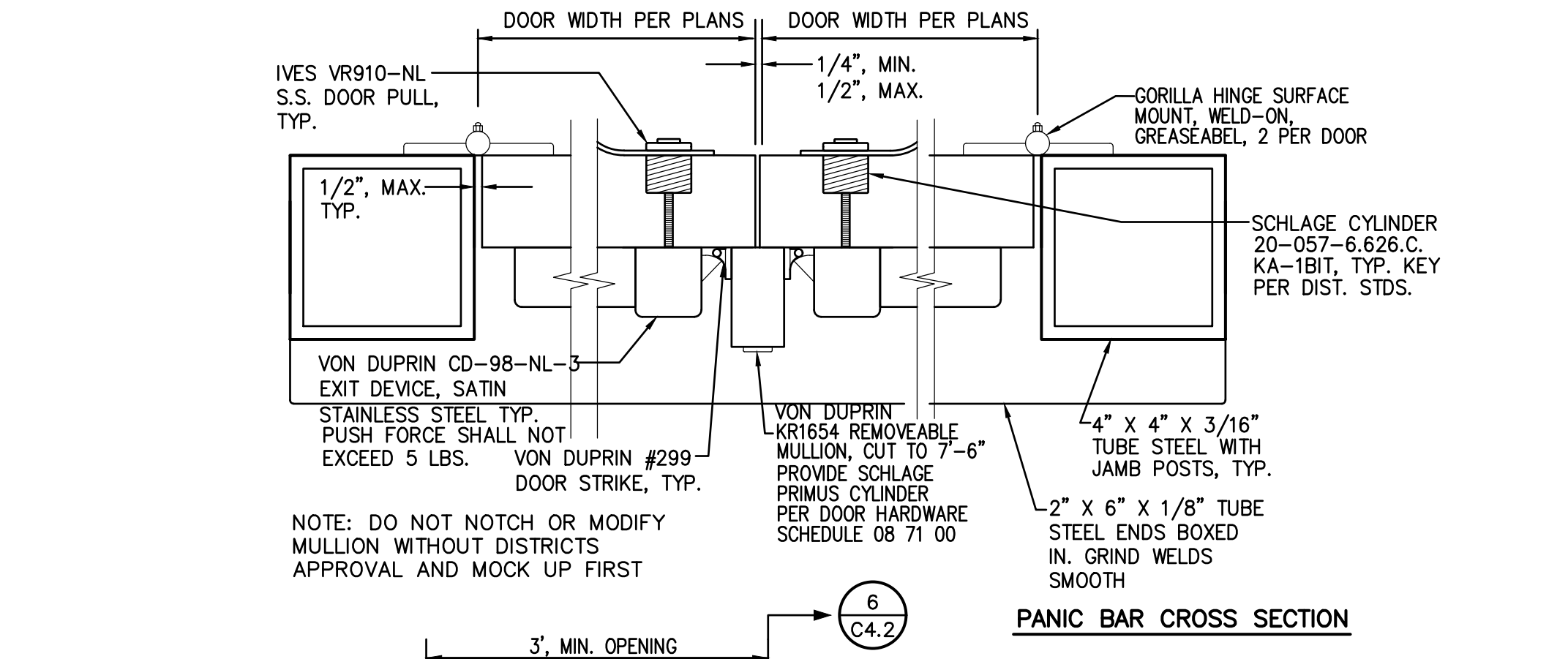
6
C4.2 SECTION; FABRICATED METAL DOOR
NO SCALE



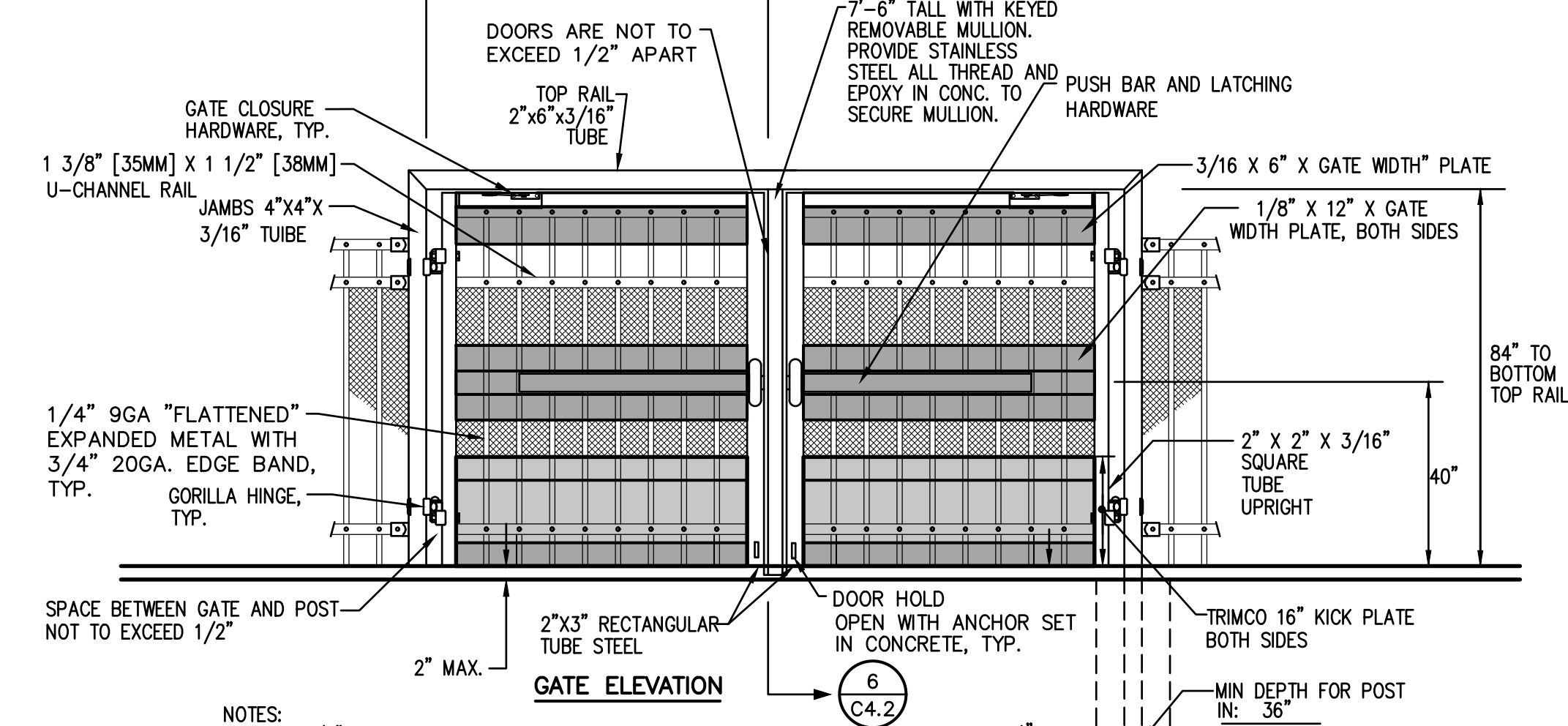
4
C4.2 PANIC BAR CROSS SECTION
NO SCALE



5
C4.2 TYPICAL ORNAMENTAL ACCESSIBLE GATE - SINGLE
NO SCALE



6
C4.2 PANIC BAR CROSS SECTION
NO SCALE



4
C4.2 TYPICAL ORNAMENTAL ACCESSIBLE GATE - DOUBLE
NO SCALE

FILENAME: I:\23-055\CIVIL\DWG\23-055-C4.1.DWG PLOTTED: Friday, August 11, 2023

DSA

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

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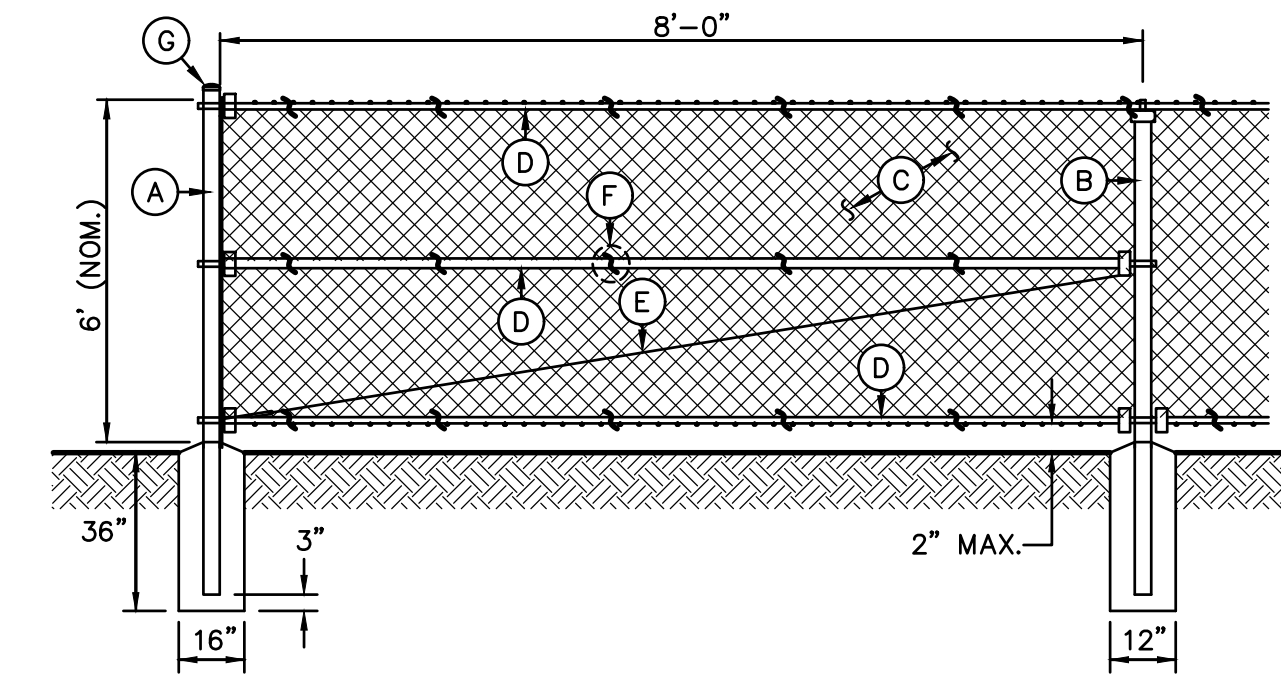
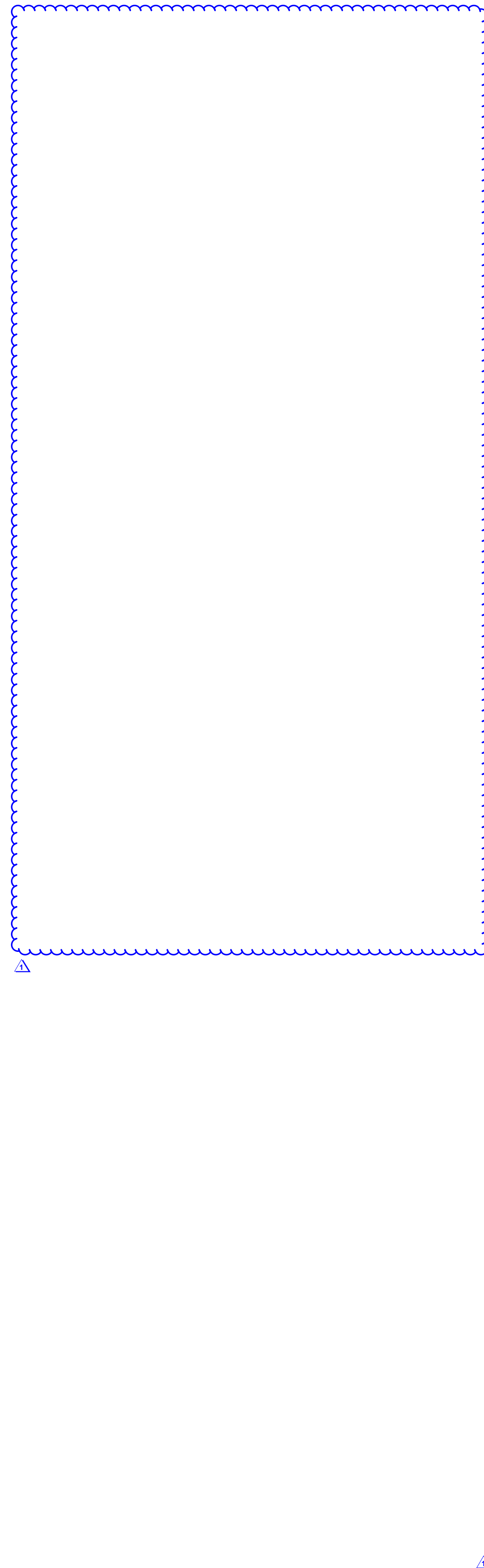
REVISIONS	
NO.	DESCRIPTION
1	ADDENDUM NO. 1

DRAWN: SMN	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-055
DESIGNED: SMN/AT	DATE: 4/24/2023
ISSUANCE:	

SHEET TITLE:
DETAILS AND SECTIONS

SHEET NO.
C4.2

FILENAME: I:\23-055\CIVIL\DWG\23-055-C4.1.DWG PLOTTED: Friday, August 11, 2023



- A - TERMINAL/CORNER - 4.0"OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK.
- B - LINE POST - 2.875"OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK.
- C - 9 GA. CHAIN LINK FENCE. BLACK VINYL. MESH PER PLAN.
- TYPE A - 1.75" MESH - GALV. FINISH.
- TYPE B - 1.0" MESH - BLACK VINYL COATING
- TYPE C - 2.0" MESH - BLACK VINYL COATING
- TYPE D - 3.5"x5" DIAMOND MESH WITH PRIVACY SLATS
- D - 1.66" OD SCH. 40 GALV. STEEL RAILS, POWDER COATED BLACK. TOP AND BOTTOM ALL SECTIONS, MID AT ALL CORNER AND TERMINAL POSTS.
- E - 3/8" OD ADJUSTABLE INDUSTRIAL TRUSS ROD, POWDER COATED BLACK.
- F - 9 GA. GALVANIZED STEEL TIES AT 12" OC HORIZ. AND VERT.
- G - ALL CAPS AND FITTINGS HEAVY INDUSTRIAL GALV. GRADE, POWDER COATED BLACK.

1 6' TALL CHAIN LINK FENCING
C4.3 BLACK VINYL COATED NO SCALE

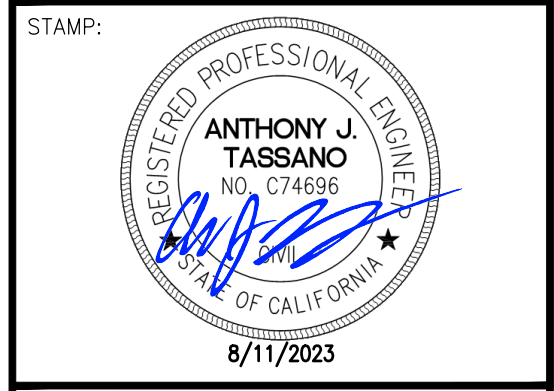
DSA



OWNER:

 Sacramento City Unified School District
 5735 47th Avenue
 Sacramento, CA 95824-4528

CONSULTANT:



Matsuyama Elementary
2023 Fencing
 7680 Windbridge Drive
 Sacramento, CA 95831

REVISIONS	
NO.	DESCRIPTION
△	ADDENDUM NO.1

DRAWN:	SMN	SCALE:	AS NOTED
CHECKED:	AT	PROJECT NO.	23-055
DESIGNED:	SMN/AT	DATE:	4/24/2023

ISSUANCE:

SHEET TITLE:
DETAILS AND SECTIONS

SHEET NO.
C4.3

PARKWAY ELEMENTARY SCHOOL 2023 FENCING

4720 Forest Parkway
Sacramento, CA 95823



DSA
117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

OWNER:
Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

CONSULTANT:
ANTHONY J. TASSANO
REGISTERED PROFESSIONAL ENGINEER
No. C71658
STATE OF CALIFORNIA
8/11/2023

Parkway Elementary
2023 Fencing
4720 Forest Parkway
Sacramento, CA 95823

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	PV	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	REDUCED PRESSURE
CONST.	CONSTRUCT	RP	REDUCED PRESSURE BACKFLOW PREVENTER
CR	CURB RETURN	rw	RIGHT OF WAY
CS	CONCRETE SURFACE	SCH	SCHEDULE
DC	DOUBLE CHECK VALVE	SD	STORM DRAIN
DDC	DOUBLE DETECTOR CHECK VALVE	SDMH	STORM DRAIN MANHOLE
DG	DECOMPOSED GRANITE	SS	SUBGRADE ELEVATION
DI	DROP INLET	si	SIDE INLET
DIA	DIAMETER	SS	SANITARY SEWER
DIP	DUCTILE IRON PIPE	SSMH	SANITARY SEWER MANHOLE
DWG	DRAWING	STD	STANDARD
DS	DOWNSPOUT	ST/W	SIDEWALK
E	ELECTRIC	T	TELEPHONE
EP	EDGE OF PAVEMENT	TC	TOP OF CURB
ESMT	EASEMENT	TD	TRENCH DRAIN
EX	EXISTING	TDCB	TRENCH DRAIN CATCH BASIN
FS	FIRE SERVICE LINE	TP	TELEPHONE POLE
FDC	FIRE DEPARTMENT CONNECTION	TRW	TOP OF RETAINING WALL
FL	FLOWLINE	TSW	TOP OF SEAT WALK
FM	SANITARY SEWER FORCE MAIN	TW	TOP OF WALK ELEVATION
FF	FINISHED FLOOR ELEVATION	U	UTILITY
FH	FIRE HYDRANT	UG	UNDERGROUND
G	GAS	UNON	UNLESS OTHERWISE NOTED
GRD	GRADE ELEVATION	VCP	VITRIFIED CLAY PIPE
GV	GATE VALVE	W	WATER
HB	HOSE BIBB	W/W	WITH
HDP	HEADER BOARD	W/O	WITHOUT
HDPE	HIGH DENSITY POLYETHYLENE PIPE	WV	WATER VALVE
HP	HIGH POINT		
INV	PIPE INVERT ELEVATION		

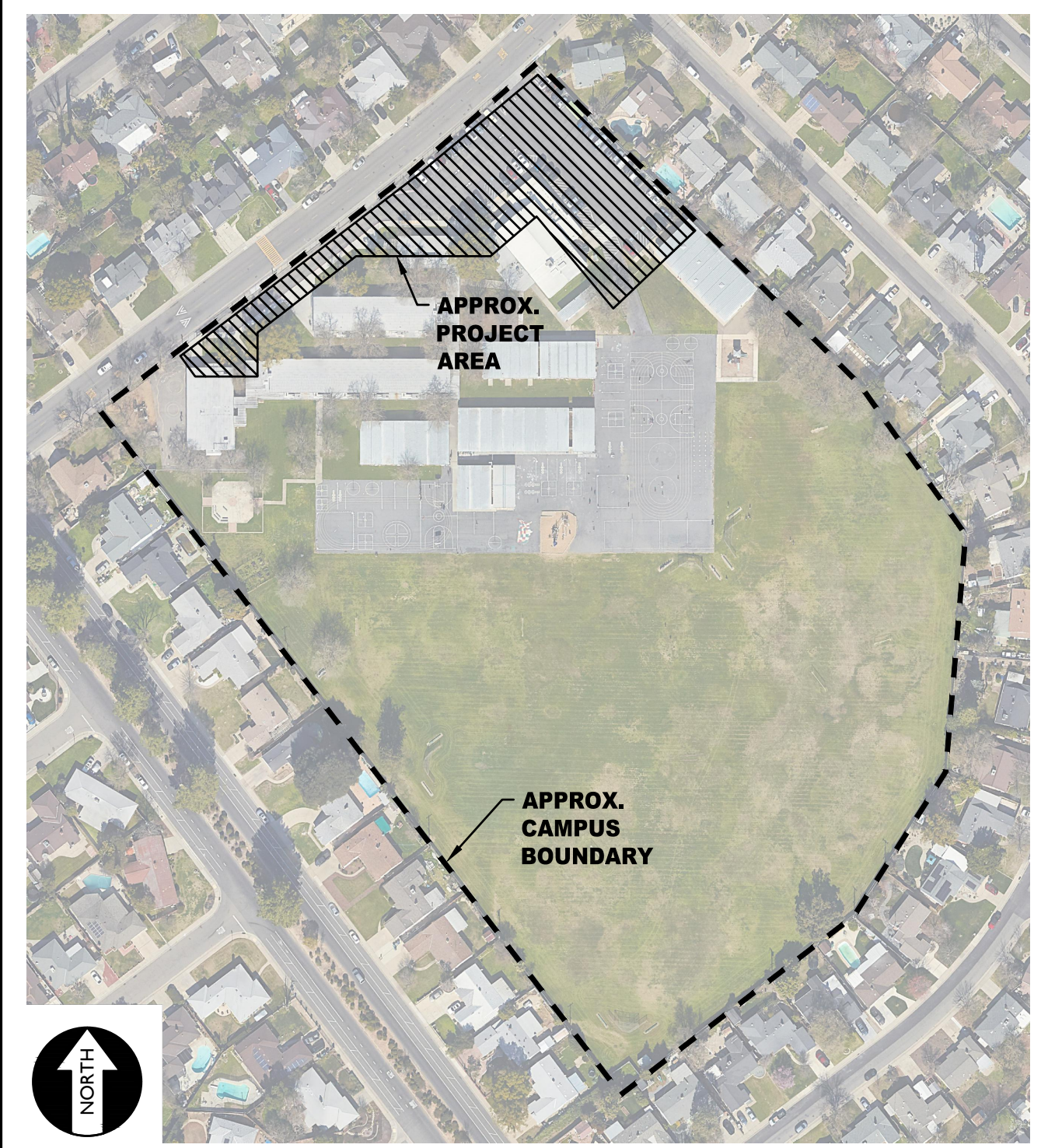
VICINITY MAP

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 (2018 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
- 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2018 INTERNATIONAL FIRE CODE AND 2019 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 (CEC), Part 11, Title 24 CCR.

PROJECT NARRATIVE

CONSTRUCTION OF SITE FENCING AND GATES WITH ELECTRONIC ACCESS CONTROLS FOR SITE SECURITY, TOGETHER WITH ASSOCIATED FLATWORK AND PAVING REPAIRS FOR ACCESSIBILITY COMPLIANCE REQUIRED FOR THE INSTALLATION OF SUCH FENCING AND GATES AS WELL AS GENERAL FLATWORK COMPLIANCE UPGRADES.

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

APPLICABLE REGULATIONS

- ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- 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.
- 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)
- 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.
- THIS PROJECT REQUIRES INSPECTOR CLASS 3
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

SPECIAL TESTING:

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

DEFERRED APPROVALS

N/A

STATEMENTS:

N/A

GENERAL NOTES

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 CONSTRUCTION.
- 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.
- ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDRO SEEDING UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
- 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.

GENERAL PAVING SURFACE NOTES:

- 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.
- 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.

SYMBOLS LEGEND

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

PROPOSED GRADING & DRAINAGE SYMBOLS:		PROPOSED WATER SYMBOLS:	
	STORM DRAIN LINE (SIZE AND FLOW SHOWN)		WATER LINE & SIZE
	STORM DRAIN MANHOLE (SSMH)		FIRE LINE & SIZE
	CATCH BASIN (CB)		DOMESTIC WATER LINE & SIZE
	DROP INLET (DI)		RECLAIMED WATER LINE & SIZE
	AREA DRAIN (AD)		IRRIGATION SERVICE LINE & SIZE
	PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)		NON POTABLE WATER LINE & SIZE
	STORM DRAIN CLEANOUT		FIRE SPRINKLER SVC. LINE & SIZE
	ELEVATION		GATE VALVE
	FINISHED FLOOR ELEVATION		WATER METER
	BUILDING PAD ELEVATION		FIRE HYDRANT ASSEMBLY
	CONCRETE SIDEWALK		FIRE DEPARTMENT CONNECTION
	GRADED DIRECTION FOR DRAINAGE FLOW		DETECTOR CHECK VALVE
	SWALE		DOUBLE DETECTOR CHECK VALVE
	SLOPE		REDUCED PRESSURE BACKFLOW PREVENTER
	TREE TO BE REMOVED		BUTTERFLY VALVE
	TREE TO REMAIN		AIR RELEASE VALVE + SIZE
	RETAINING WALL		BLOW-OFF VALVE + SIZE
	OVERLAND RELEASE PATH		POST INDICATOR VALVE
PROPOSED SANITARY SEWER SYMBOLS:			
	SANITARY SEWER LINE (SIZE AND FLOW SHOWN)		
	SANITARY SEWER MANHOLE (SSMH)		
	SEWER CLEANOUT		
	SEWER FLUSHER BRANCH		

SHEET INDEX

NO.	SHEET DESCRIPTION
CIVIL	
C0.0	COVER SHEET
C0.1	TOPOGRAPHIC SURVEY
C1.0.1	SITE ACCESS PLAN
C1.0.2	FIRE ACCESS PLAN
C1.1	DEMOLITION PLAN
C2.1	GRADING AND CONSTRUCTION PLAN
C2.2	GRADING AND CONSTRUCTION PLAN
C3.1	FENCING PLAN
C4.1	DETAILS AND SECTIONS
C4.2	DETAILS AND SECTIONS
C4.3	DETAILS AND SECTIONS

ELECTRICAL

T000	TECHNOLOGY COVER SHEET
T200	TECHNOLOGY FLOOR PLAN
T900	TECHNOLOGY DETAILS

OWNER/USER

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

DISTRICT CONTACT:
[CONTACT]
FACILITIES SUPPORT SERVICES
(916) 264-4075
[EMAIL]

ADDITIONAL CONTACTS:
TROY MIETZ
TROY-MIETZ@SCUSD.EDU

PROJECT TEAM

CIVIL: WARREN CONSULTING ENGINEERS, INC.
117 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

SHEET TITLE:

COVER SHEET

C0.0

FIRE LANE DESIGNATION

ALL FIRE LANES ON THIS PLAN SHALL BE DESIGNATED IN ACCORDANCE WITH THE STRIPING PLANS, UTILIZING ONE OF THE FOLLOWING APPROVED MEANS:

- CURBS - PAINT CURB TOP AND FACE RED WITH COMMERCIAL GRADE RED TRAFFIC PAINT. ON FACE OF CURB, PAINT 4" TALL WHITE LETTERING STATING "NO PARKING - FIRE LANE" AT 25' O.C. CENTERED ON FACE.
- PAVING - PAINT 6" WIDE RED STRIPE ON PAVEMENT WITH COMMERCIAL GRADE RED TRAFFIC PAINT. CENTERED IN STRIPE, PAINT 4" TALL WHITE LETTERING STATING "NO PARKING - FIRE LANE" AT 25' O.C.
- SIGNAGE - POSTING OF SIGNS COMPLIANT WITH CFC 2016, APPENDIX D103.6 EVERY 50 FEET.

EXCEPTIONS:

- STREETS 20' WIDE TO 26' WIDE SHALL BE MARKED ON BOTH SIDES AS STATED ABOVE.
- STREETS GREATER THAN 26' WIDE NEED ONLY MARKING ON ONE SIDE AS STATED ABOVE.
- EDGES OF FIRE LANES AT PARKING DO NOT REQUIRE DESIGNATION.

SEE STRIPING PLAN FOR ACTUAL REQUIRED STRIPING.

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.

TYPICAL FIRE LANE

CLEAR WIDTH	20 FEET
CLEAR HEIGHT	13.5 FEET
INSIDE RADIUS	35 FEET MIN.
OUTSIDE RADIUS	55 FEET MIN.

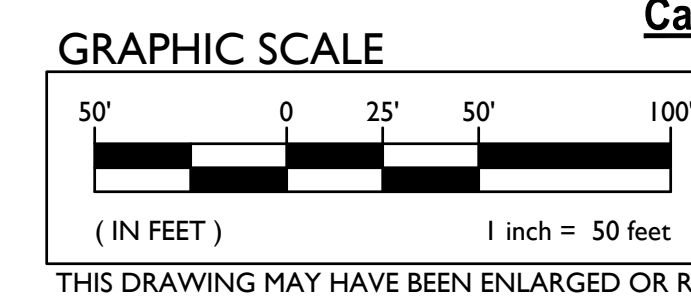
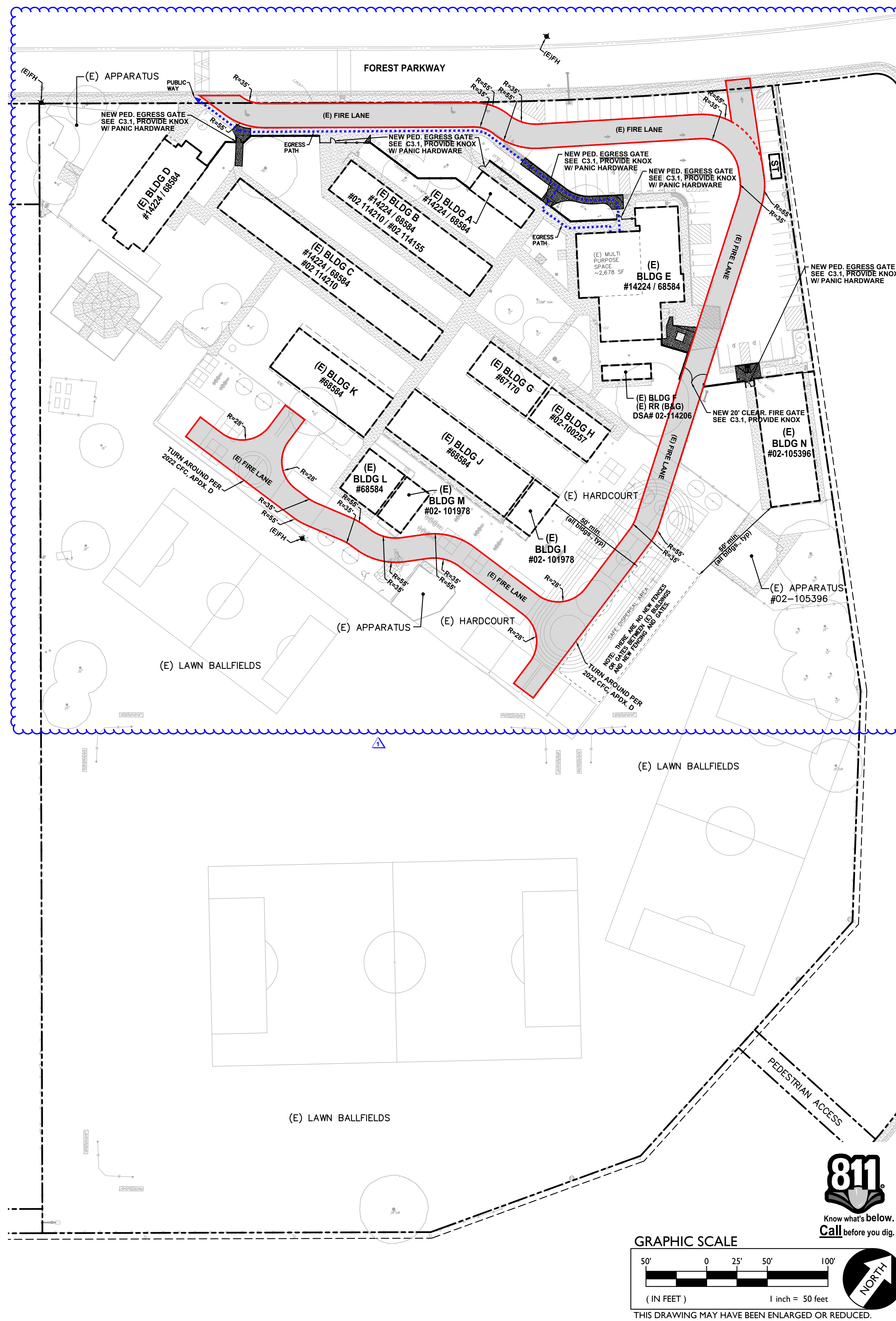
NOTE:

All new and existing fire lanes are asphalt or concrete paved unless otherwise stated.

MULTI PURPOSE EGRESS ANALYSIS

APPROXIMATE FLOOR AREA	2,678 SF.
LOAD FACTOR:	
ASSEMBLY (CONCENTRATED):	7 NET
RESULTING OCCUPANT LOAD:	383
EGRESS SIZING, $LOAD \times 0.2 = (IN \ INCH)$	
(1005.3.2)	$383 \times 0.2 = 77 \ INCHES$
EGRESS WIDTH PROVIDED:	
(1) DOUBLE GATE	72"
(1) SINGLE GATE	36"
	=108 INCHES

(REF CBC 1004 AND 1005)



1 FIRE ACCESS PLAN



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:	PARKWAY ELEMENTARY SCHOOL		
Project Address:	4720 FOREST PARKWAY, SACRAMENTO, CA 95823		
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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Refer to the following website for FHSZ locations: http://eqis.fire.ca.gov/FHSZ/	Moderate <input type="checkbox"/>	High <input type="checkbox"/>	Very High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)			WIFA <input type="checkbox"/>

CONDITION MEANS AND METHODS RESOLUTION

CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED			
	Yes	No	N/A	N/R
4. Emergency vehicle access roadways do not meet CFC requirements.			X	
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.			X	
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.			X	
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.			X	
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:	City of Sacramento Fire Department
LFA Review Official:	King Tunson
Title:	Program Specialist
Work Email:	ktunson@sfd.cityofsacramento.org
Work Phone:	(916) 808-1358
LFA Reviewer's Signature:	_____
Date:	_____

DSA

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

OWNER:

Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

CONSULTANT:

Parkway Elementary
2023 Fencing

4720 Forest Parkway
Sacramento, CA 95823

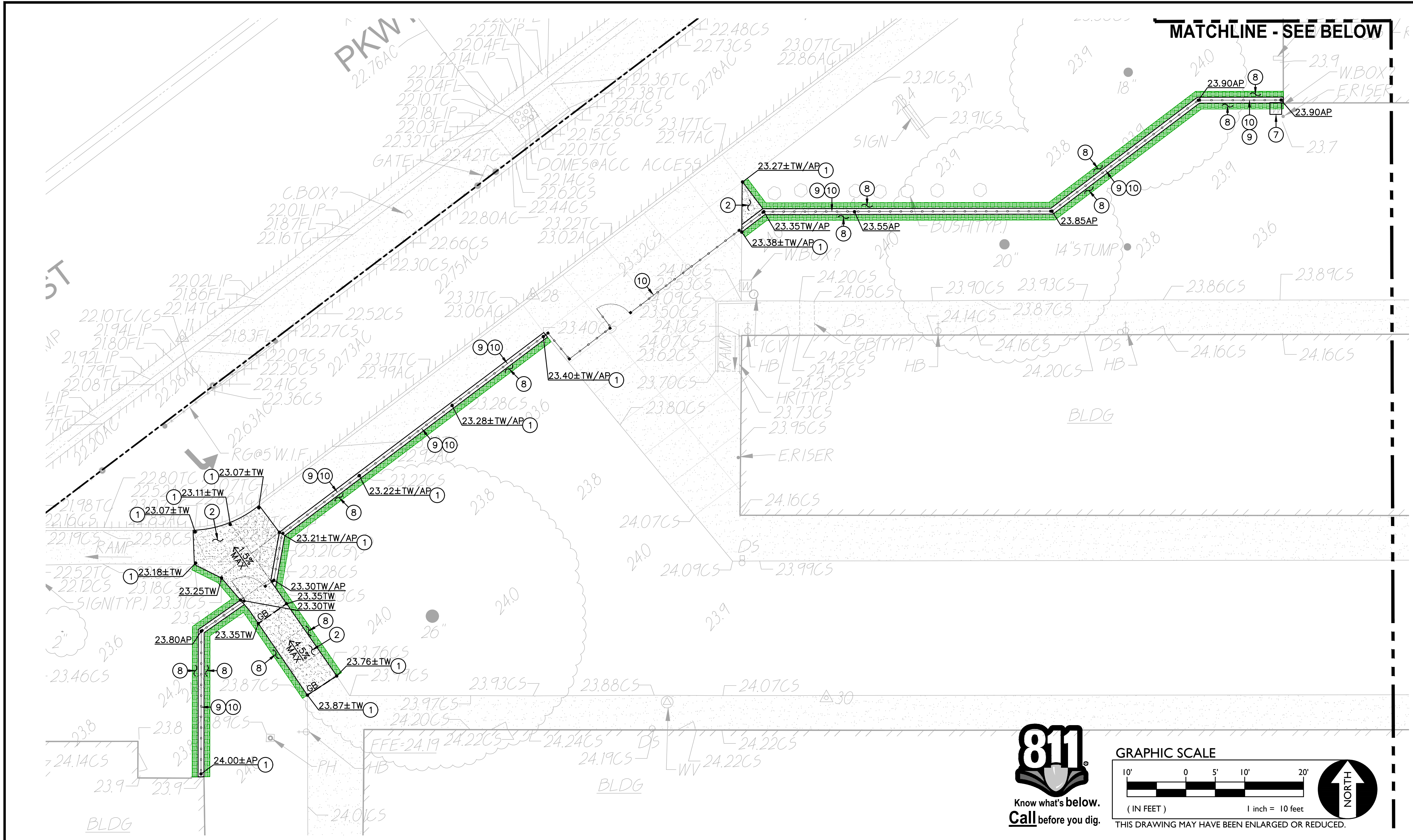
REVISIONS	
NO.	DESCRIPTION
Δ	ADDENDUM NO.1

DRAWN: SMN	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-053
DESIGNED: SMN/AT	DATE: 4/24/2023

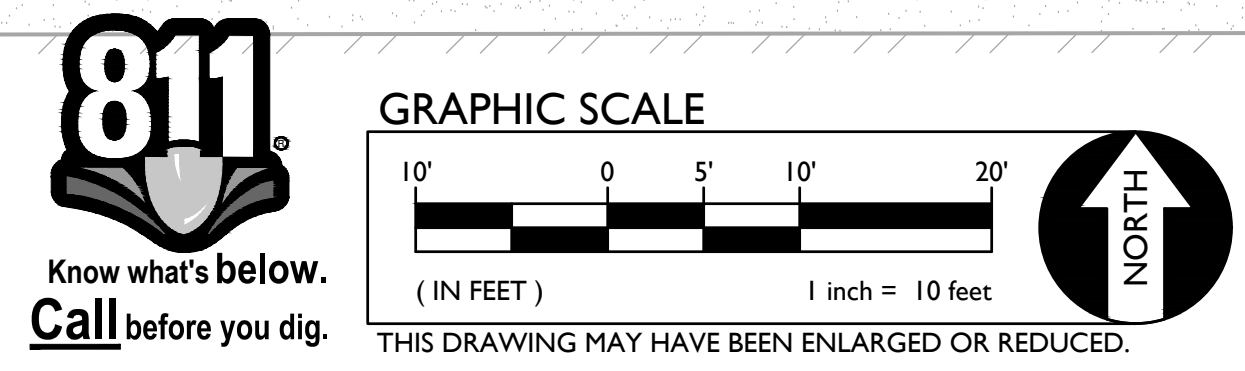
SHEET TITLE:
FIRE ACCESS PLAN

SHEET NO.
C1.0.2

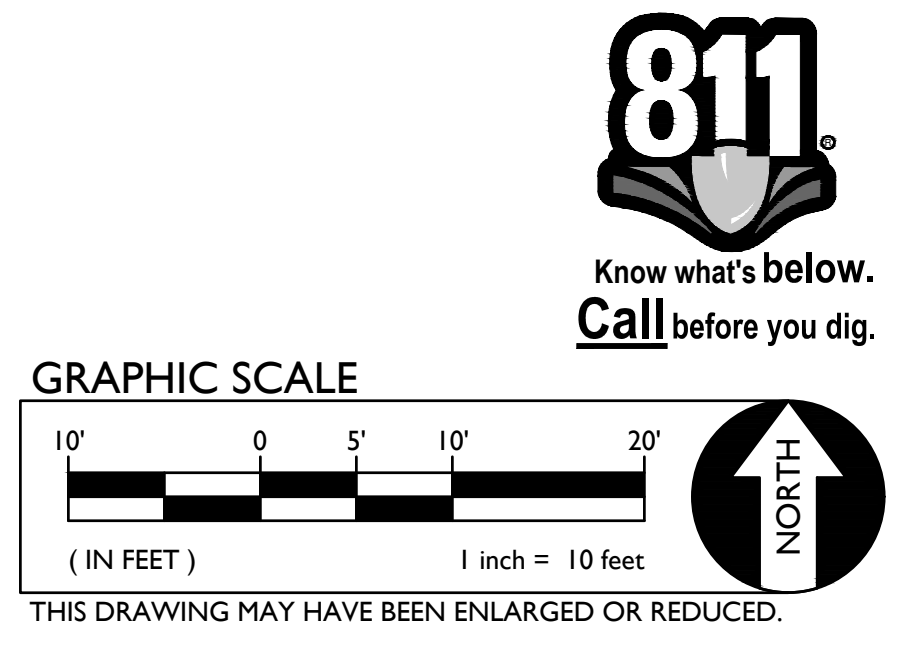
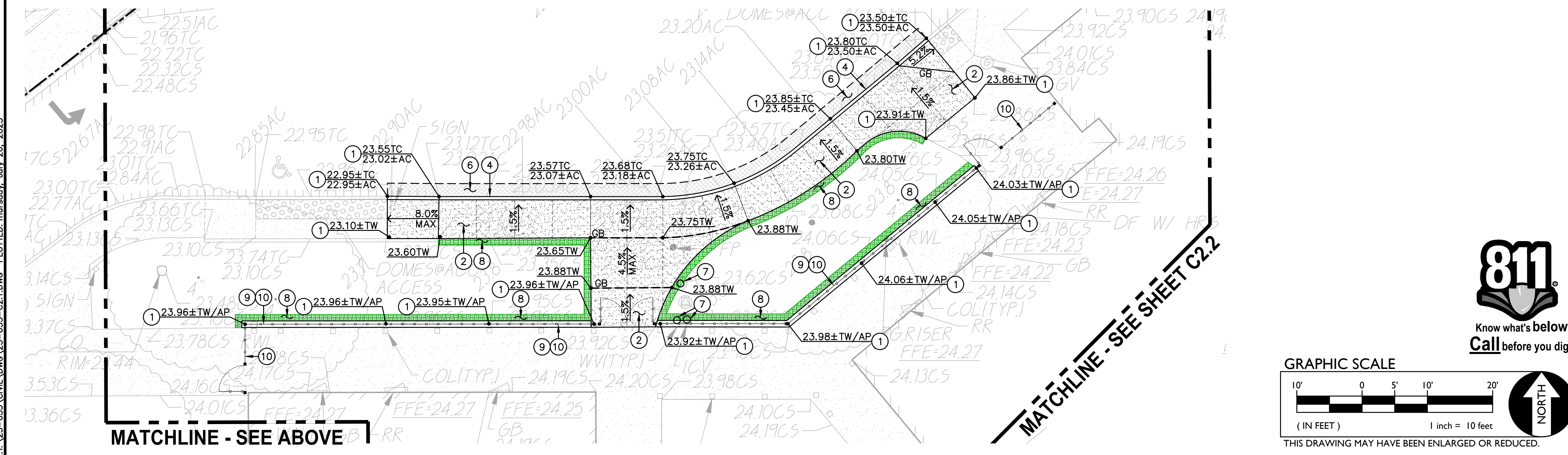
FILENAME: \\25-053\Civil\DWG\23-053-C1.0.2.DWG PLOTTED: Friday, August 11, 2023



- LEGEND**
- 1. MATCH EXISTING GRADE/ELEVATION. WHEN MATCHING NEW SLABS TO EXISTING, DOWEL SLABS PER THE DETAIL PROVIDED AT 24" O.C. (1) C4.1
 - 2. PLACE 5" CONCRETE PAVING WITH #4 REBAR AT 24" O.C.E.W. OVER 6" CLASS II AB ON COMPACTED SUBGRADE PER THE TYPICAL DETAILS PROVIDED. REFER TO PAVING PLAN FOR SECTIONS. REFER TO SPECIFICATIONS SECTION 31 00 00 FOR SUBGRADE PREPARATION, SECTION 32 16 00 FOR CONCRETE PAVING. (2) C4.1
 - 3. CONSTRUCT CONCRETE CURB RAMP PER THE DETAIL PROVIDED. (10) C4.1
 - 4. CONSTRUCT CONCRETE CURB PER THE DETAIL PROVIDED. (12) C4.1
 - 5. CONSTRUCT FLUSH CONCRETE CURB PER THE DETAIL PROVIDED. (4) C4.1
 - 6. PLACE 3" AC PAVING OVER 9" CLASS II AB, OR MATCH EXISTING SECTION, WHICHEVER IS GREATER. REFER TO SPECIFICATIONS SECTION 32 12 16 FOR MATERIALS AND CONSTRUCTION. REFER TO SECTION 31 00 00 FOR SUBGRADE PREPARATION. (2) C4.1
 - 7. INSTALL NEW TRAFFIC RATED UTILITY BOX OF SAME SIZE AND APPROPRIATE FOR UTILITY. SET NEW BOX FLUSH WITH PROPOSED FINISHED GRADE. WHEN IN NEW CONCRETE AREAS, ALIGN WITH NEW JOINT PATTERNS WHEN POSSIBLE. SEE DEMO PLAN FOR EXISTING BOX REMOVAL. (8) C4.1
 - 8. PATCH AND REPAIR EXISTING LANDSCAPING AND IRRIGATION ALONG EDGE OF NEW WORK. RELOCATE AND ADJUST EXISTING HEADS AS NEEDED TO MAINTAIN COVERAGE. REPLACE ALL BROKEN HEADS RELOCATED. TAPER ALL GRADING AWAY FROM NEW CURBS AND APRONS AND SET GRADES BELOW APRONS, CURBS AND WALKS TO ALLOW FOR LAWN AND OTHER PLANTING PATCH BACK PER THE DETAILS PROVIDED. PROVIDE NEW SOD IN DISTURBED LAWN AREAS. (2) C4.1
 - 9. CONSTRUCT 12" WIDE CONCRETE APRON PER THE DETAIL PROVIDED. (8) C4.1
 - 10. SEE FENCING PLAN FOR NEW FENCING.
 - 11. CONSTRUCT RAISED CONCRETE MEDIAN, VARIABLE WIDTH AS SHOWN, AND PER THE DETAIL PROVIDED. (13) C4.1



1 GRADING AND CONSTRUCTION PLAN SCALE 1" = 10'-0"



2 GRADING AND CONSTRUCTION PLAN SCALE 1" = 10'-0"

Surface Repair Note:
Regardless if shown or not, all existing improvements and landscaping cut, removed or damaged by the installation of new work shall be repaired. This is especially true along edges of new work. Contractor shall repair landscaping, and irrigation as needed to maintain system operation. Lawn shall be repaired with sod in well maintained lawn areas. Sparse lawn areas may be repaired with hydro/drilled seeding.

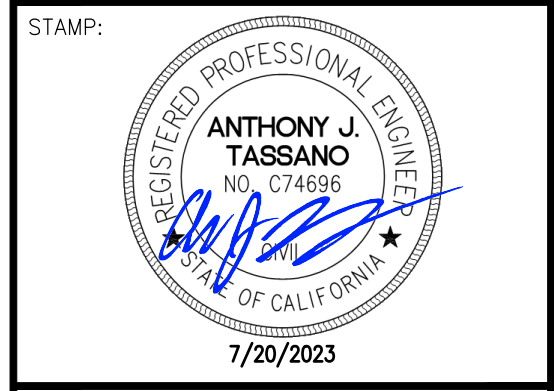
DSA



OWNER:

 Sacramento City Unified School District
 5735 47th Avenue
 Sacramento, CA 95824-4528

CONSULTANT:



STAMP:
Parkway Elementary 2023 Fencing
 4720 Forest Parkway
 Sacramento, CA 95823

REVISIONS	
NO.	DESCRIPTION
1	ADDENDUM NO.1

DRAWN: SMN	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-053
DESIGNED: SMN/AT	DATE: 4/24/2023

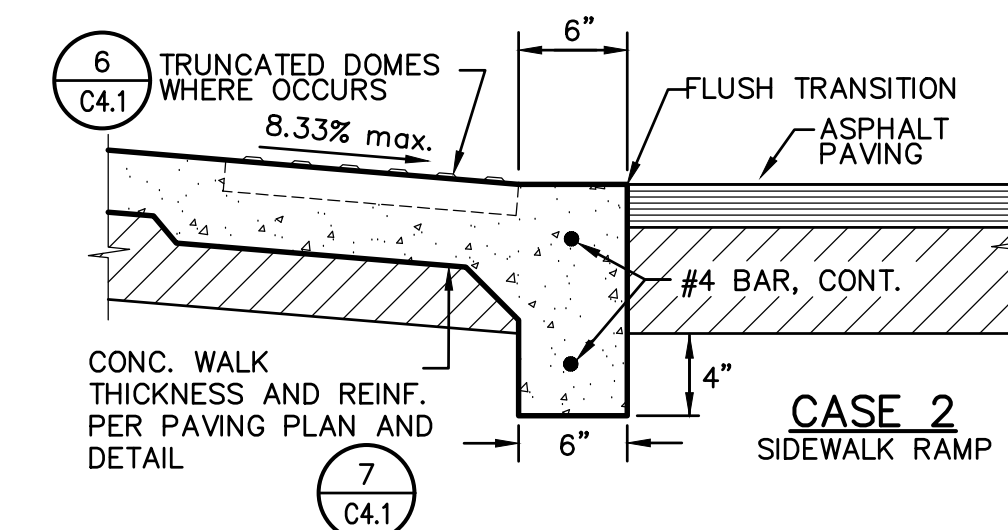
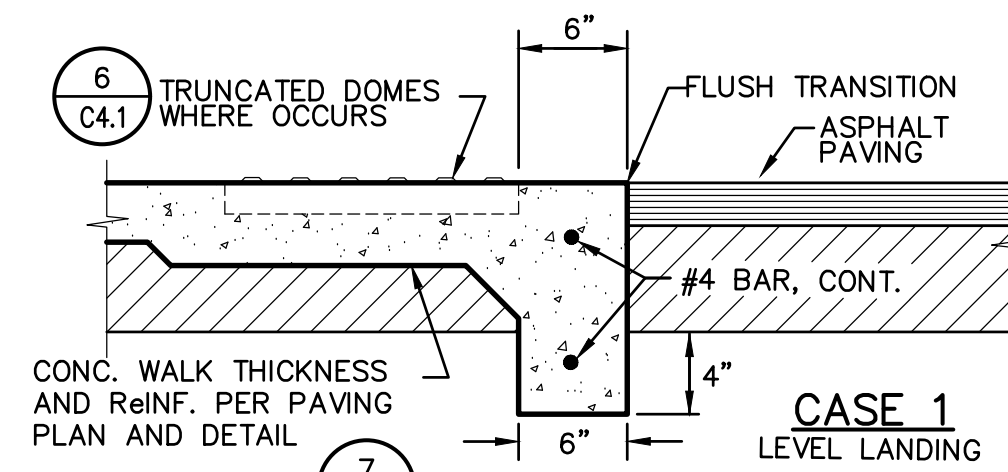
ISSUANCE:

SHEET TITLE:
GRADING AND CONSTRUCTION PLAN

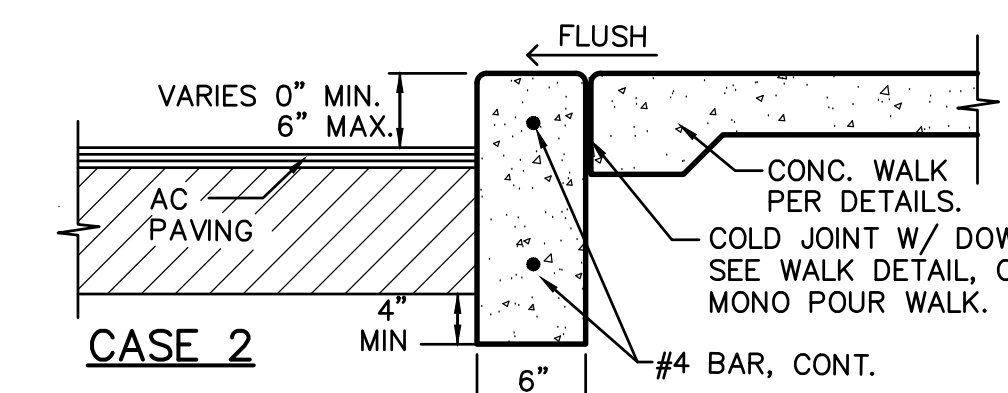
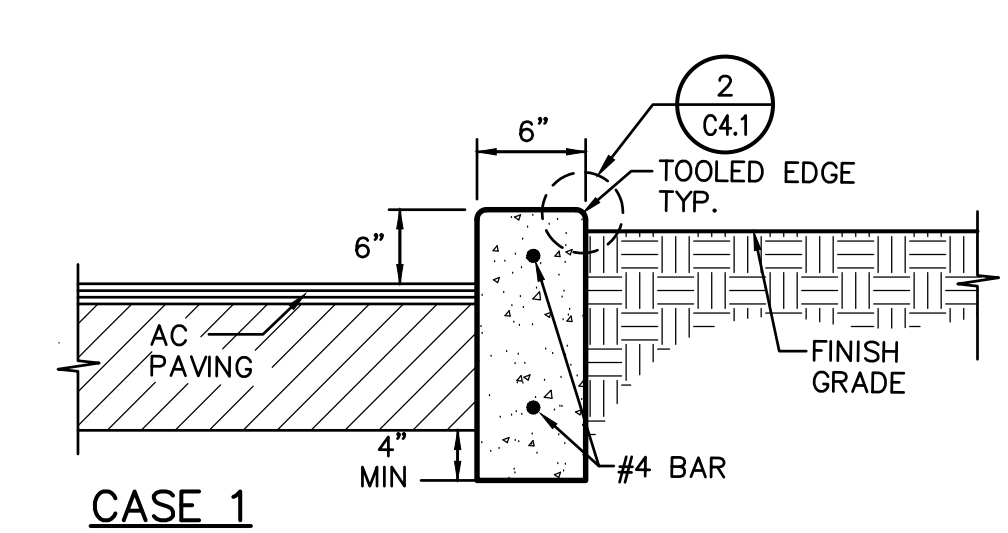
SHEET NO.
C2.1

FILENAME: I:\23-053\CONV\DWG\23-053-C2.1.DWG PLOTTED: Thursday, July 20, 2023

FILENAME: I:\23-0553\CIVIL\DWG\23-055-C4.1.DWG PLOTED: Friday, August 11, 2023

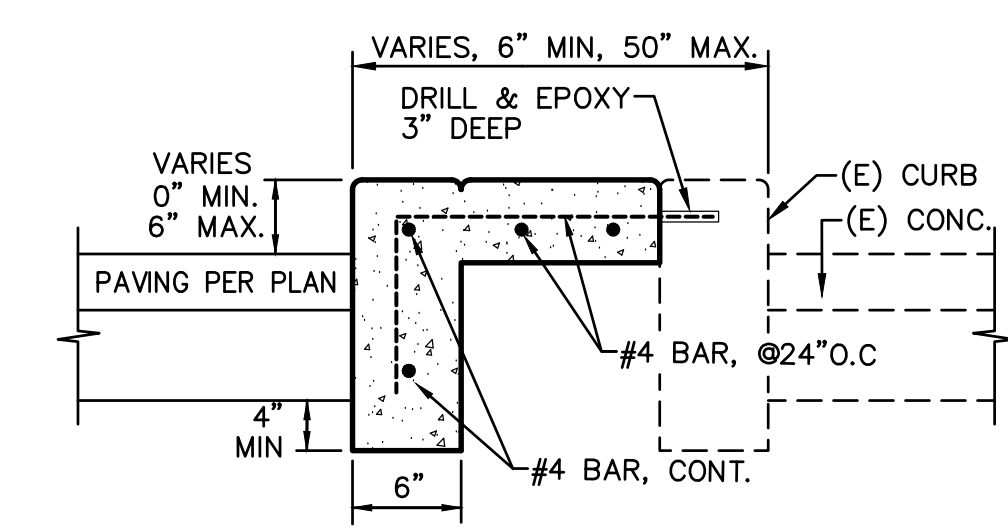


11 FLUSH CONCRETE EDGE
C4.1 NO SCALE



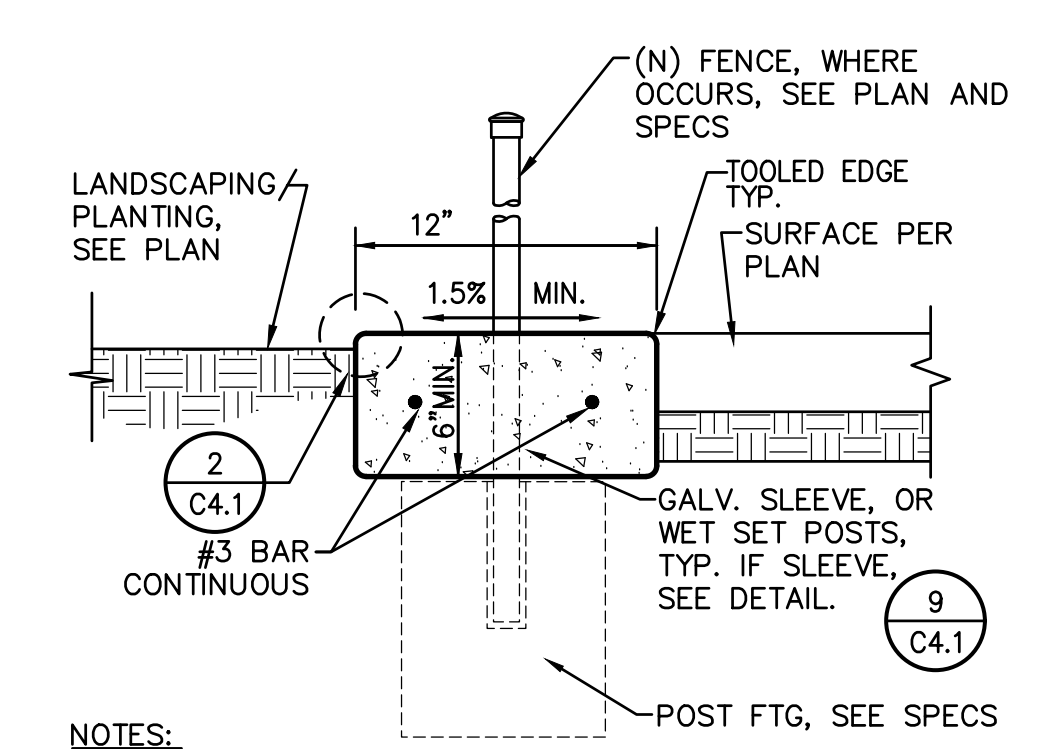
PROVIDE EXPANSION JOINTS AT 20' ON CENTER AND TOOLED CONTROL JOINTS EVERY 10' BETWEEN, OR WHEN ADJOINING CONCRETE WALKS, MATCH WALK JOINTING.

12 CONCRETE CURB
C4.1 NO SCALE



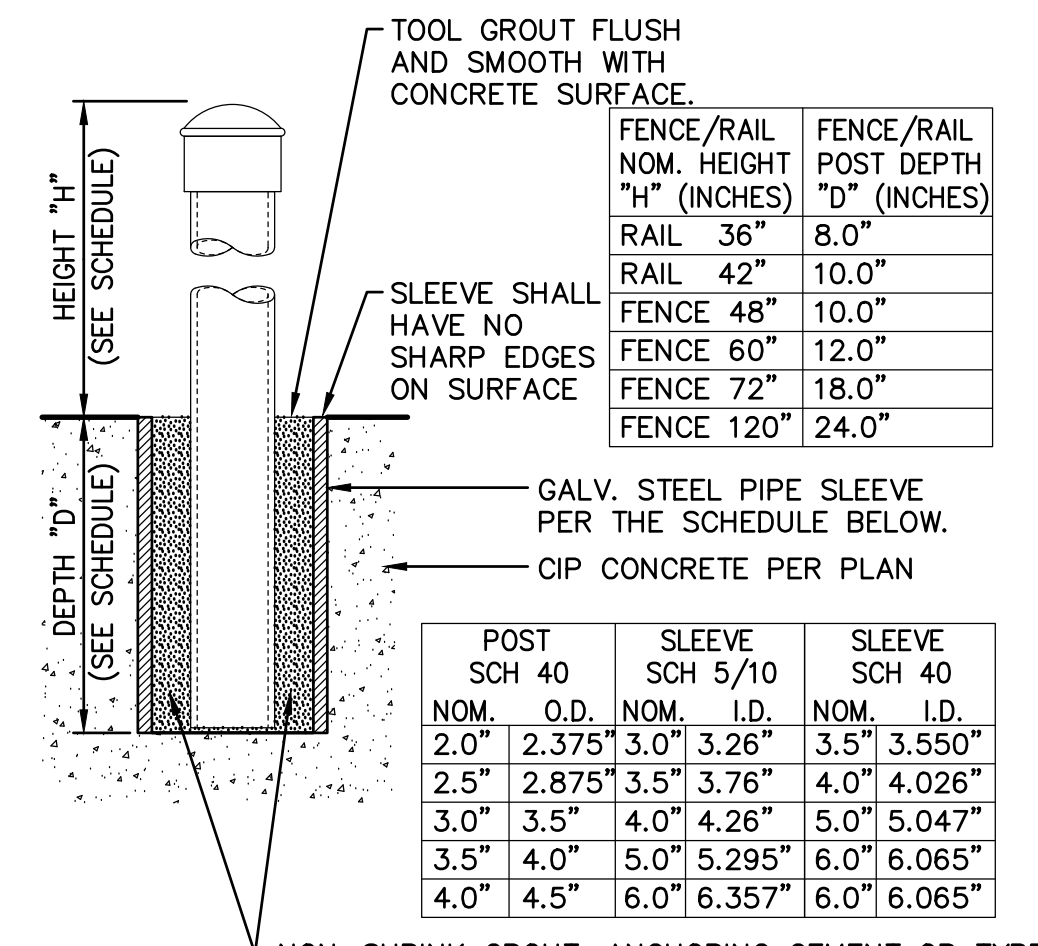
PROVIDE EXPANSION JOINTS AT 20' ON CENTER AND TOOLED CONTROL JOINTS EVERY 10' BETWEEN, OR WHEN ADJOINING CONCRETE WALKS, MATCH WALK JOINTING.

13 CONCRETE MEDIAN
C4.1 NO SCALE



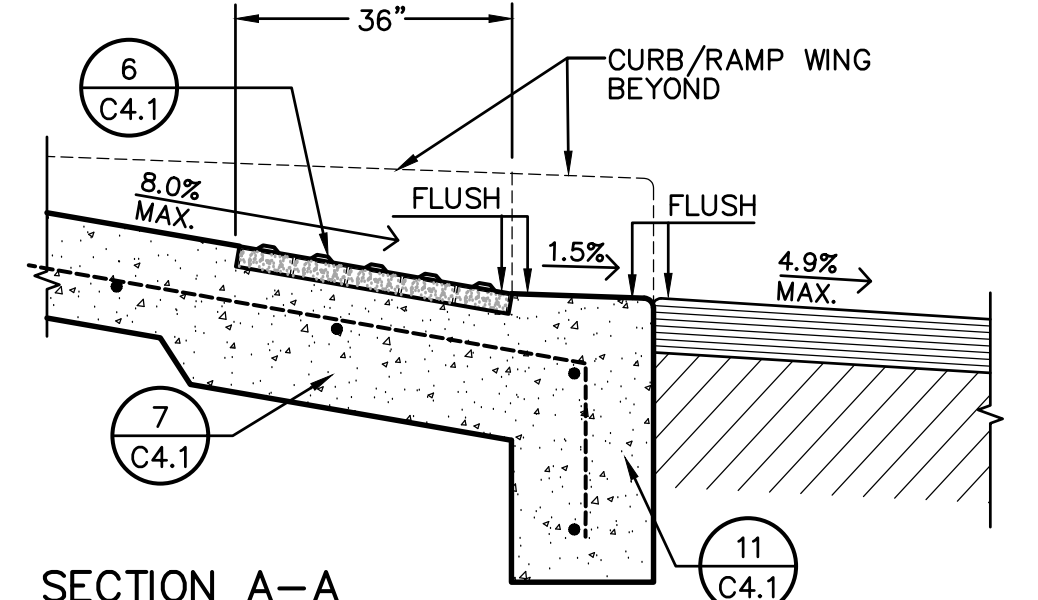
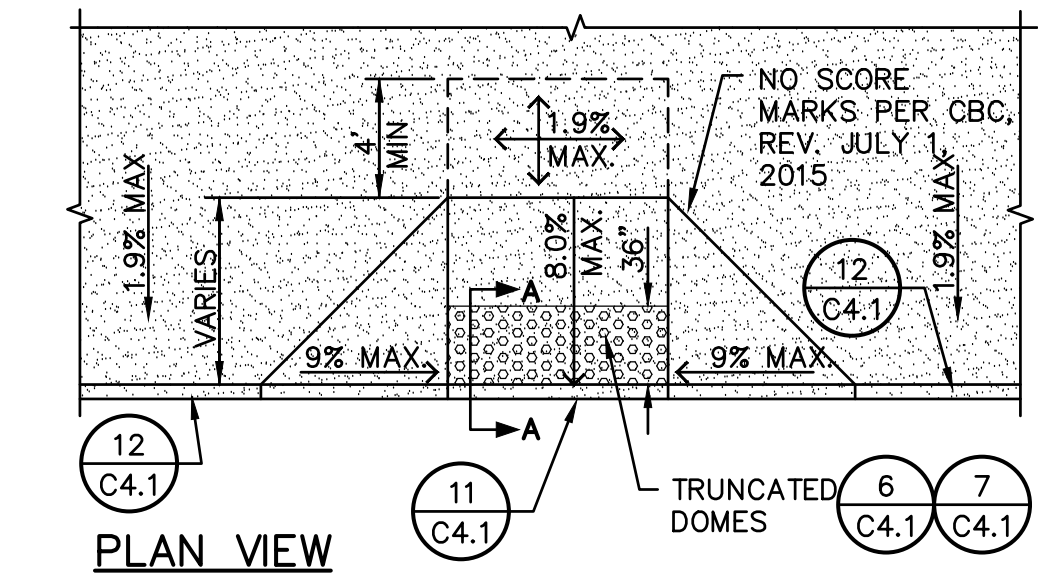
- NOTES:
- WHERE NO FENCING, PROVIDE CONTROL JOINT EVERY 10 FEET, EXPANSION JOINT EVERY 30 FEET, TYP. WHERE FENCING EXISTS, PROVIDE TOOLED JOINT EVERY POST, EXPANSION EVERY 3RD POST.
 - CONCRETE APRON THICKNESS MAY COUNT FOR POST FOOTING TOTAL DEPTH BUT MUST BE PLACED BEFORE FABRIC OR PANEL INSTALLATION.

8 CONCRETE APRON
C4.1 NO SCALE

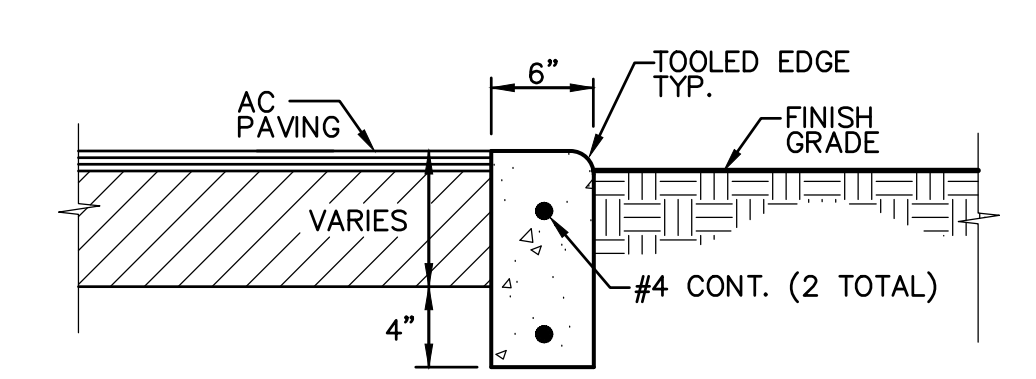


- NON-SHRINK GROUT, ANCHORING CEMENT OR TYPE F MORTAR, ACCEPTABLE AS FOLLOWS:
- SAKRETE NON-SHRINK PRECISION GROUT.
 - W.R. MEADOWS SPEED-E-ROC.
 - QUICKRETE NON-SHRINK PRECISION GROUT
 - DAYTON SUPERIOR, ANCHOR-ALL
 - APPROVED EQUAL.

9 POST SLEEVE DETAIL
C4.1 NO SCALE

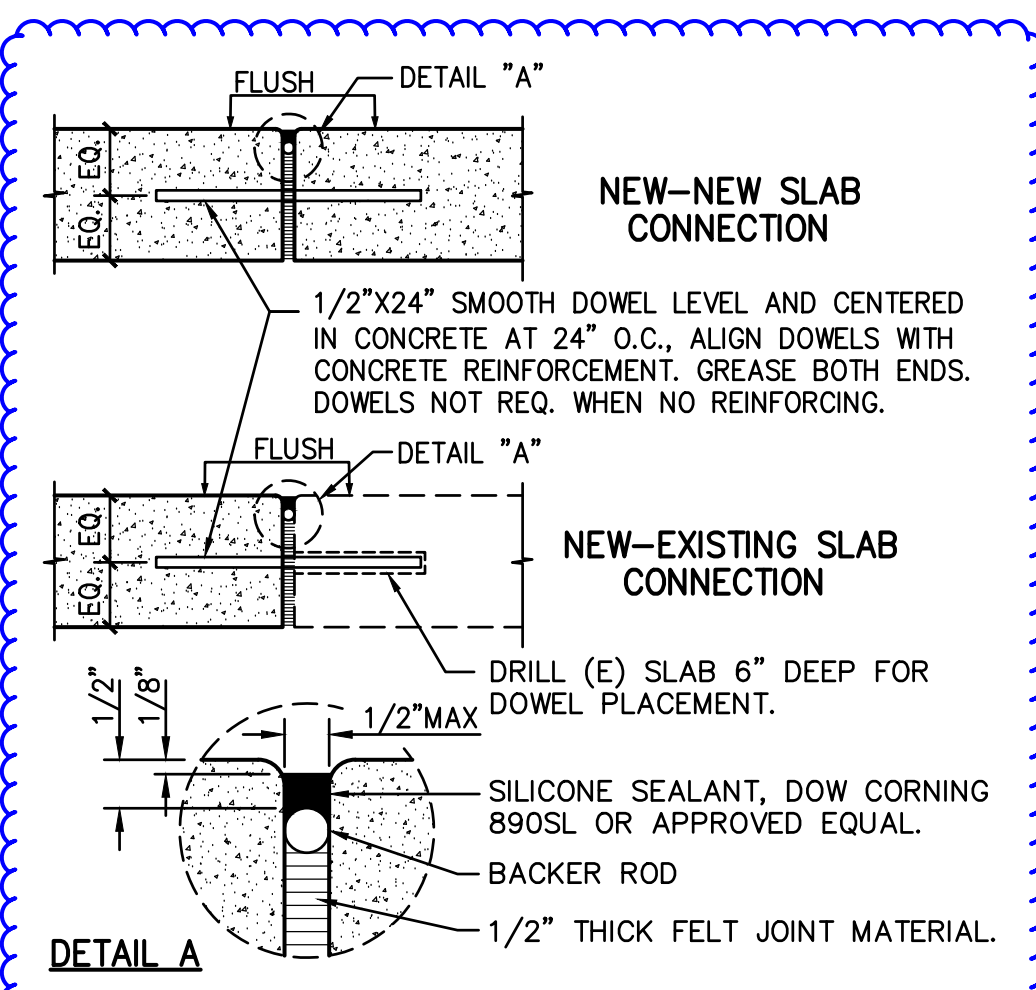


10 ACCESSIBLE CURB RAMP
C4.1 TYPE 1 NO SCALE



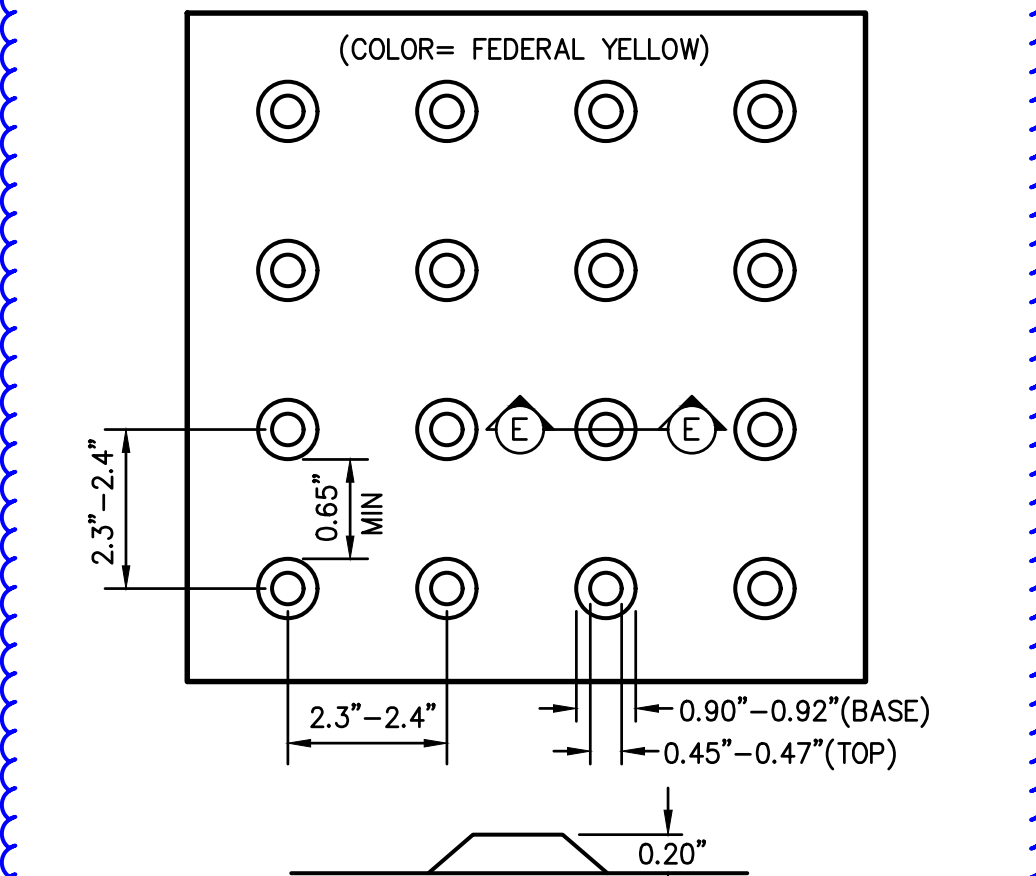
- NOTES:
- PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
 - AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE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

4 FLUSH CONCRETE CURB
C4.1 NO SCALE

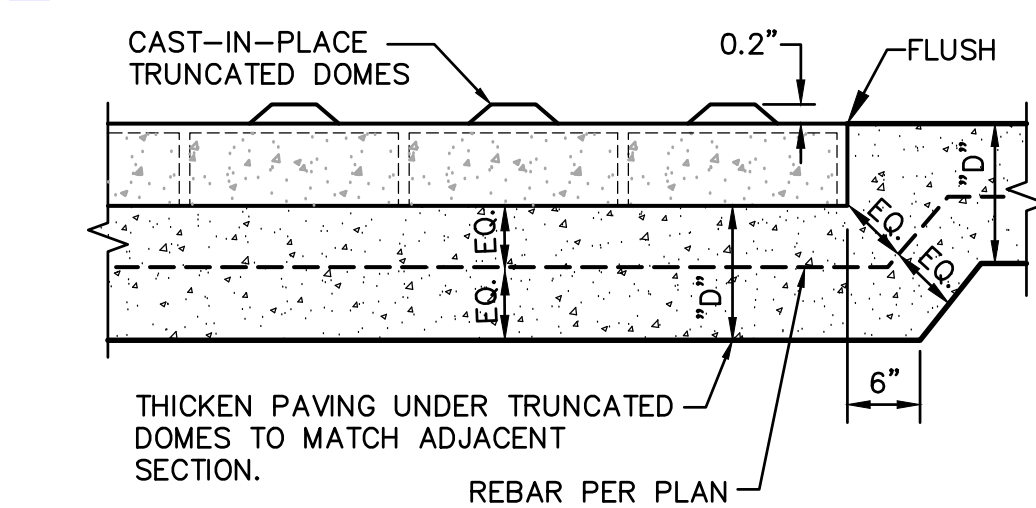


5 EXPANSION JOINT
C4.1 NO SCALE

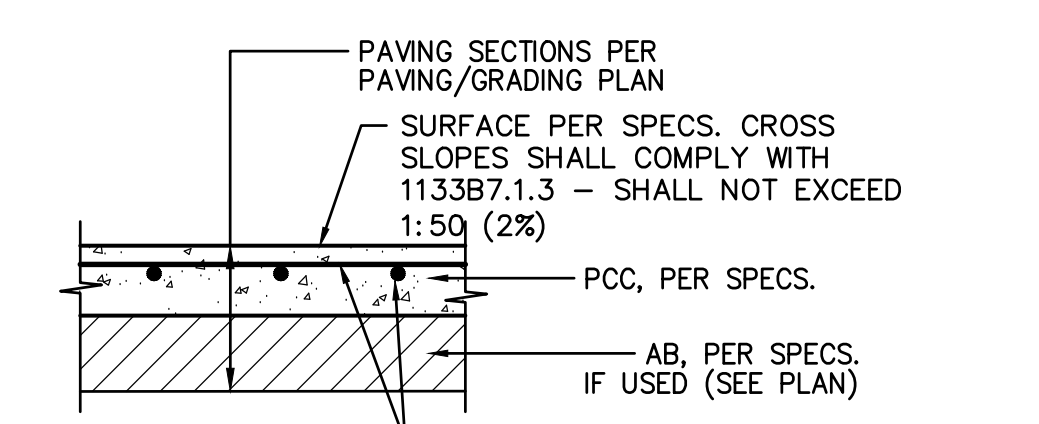
NOTE: DOMES SHALL BE 36" MIN. LONG IN DIRECTION OF TRAVEL AND COVER THE FULL WITH THE ASSOCIATED PATHWAY.



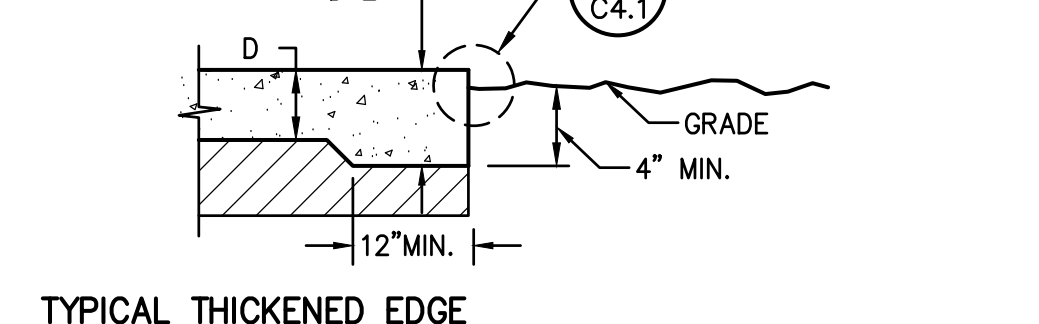
6 TRUNCATED DOMES
C4.1 TYPICAL PATTERN NO SCALE



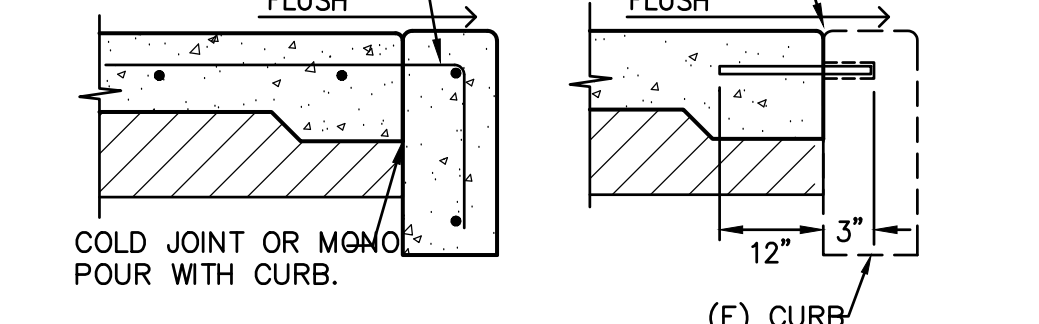
7 SLAB AT TRUNCATED DOMES
C8.1 NO SCALE



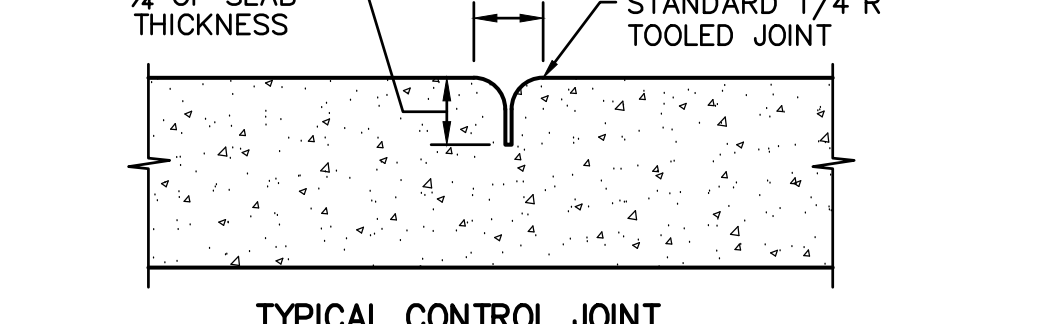
TYPICAL THICKENED EDGE
C4.1



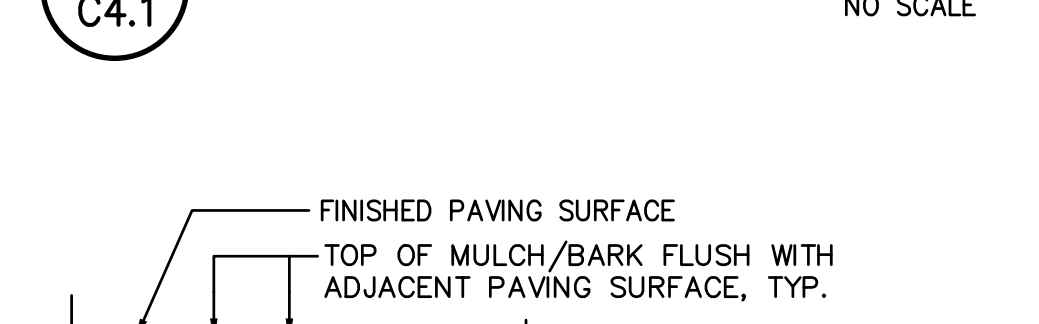
1 CONCRETE SIDEWALK
C4.1 NO SCALE



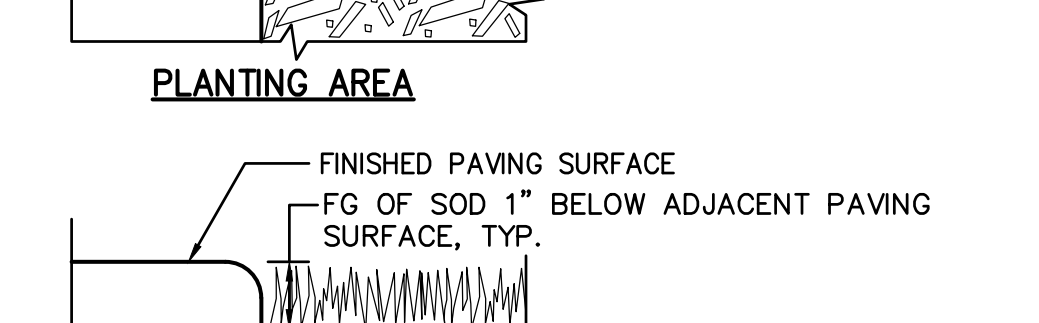
2 PAVING EDGE DETAIL
C4.1 NO SCALE



3 WALKWAY EDGE CURB
C4.1 NO SCALE



2 PAVING EDGE DETAIL
C4.1 NO SCALE



3 WALKWAY EDGE CURB
C4.1 NO SCALE

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

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

Sacramento City Unified School District
Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

ANTHONY J. TASSANO
REGISTERED PROFESSIONAL ENGINEER
NO. C16658
STATE OF CALIFORNIA
8/11/2023

Parkway Elementary 2023 Fencing
4720 Forest Parkway
Sacramento, CA 95823

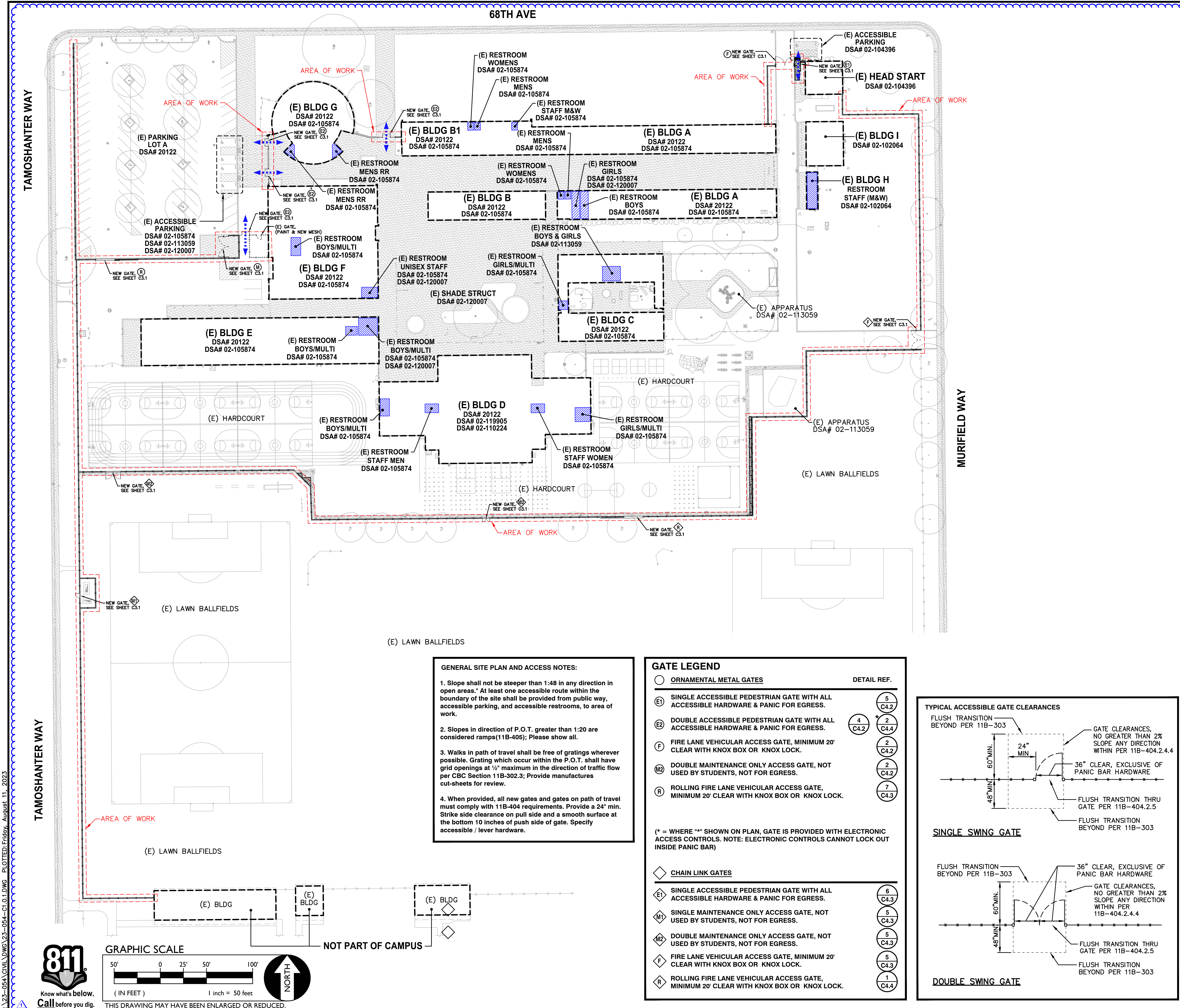
NO.	DESCRIPTION
1	ADDENDUM NO.1

NO.	DESCRIPTION
1	ADDENDUM NO.1

DRAWN: SMN	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-053
DESIGNED: SMN/AT	DATE: 4/24/2023

SHEET TITLE:
DETAILS AND SECTIONS

SHEET NO.
C4.1



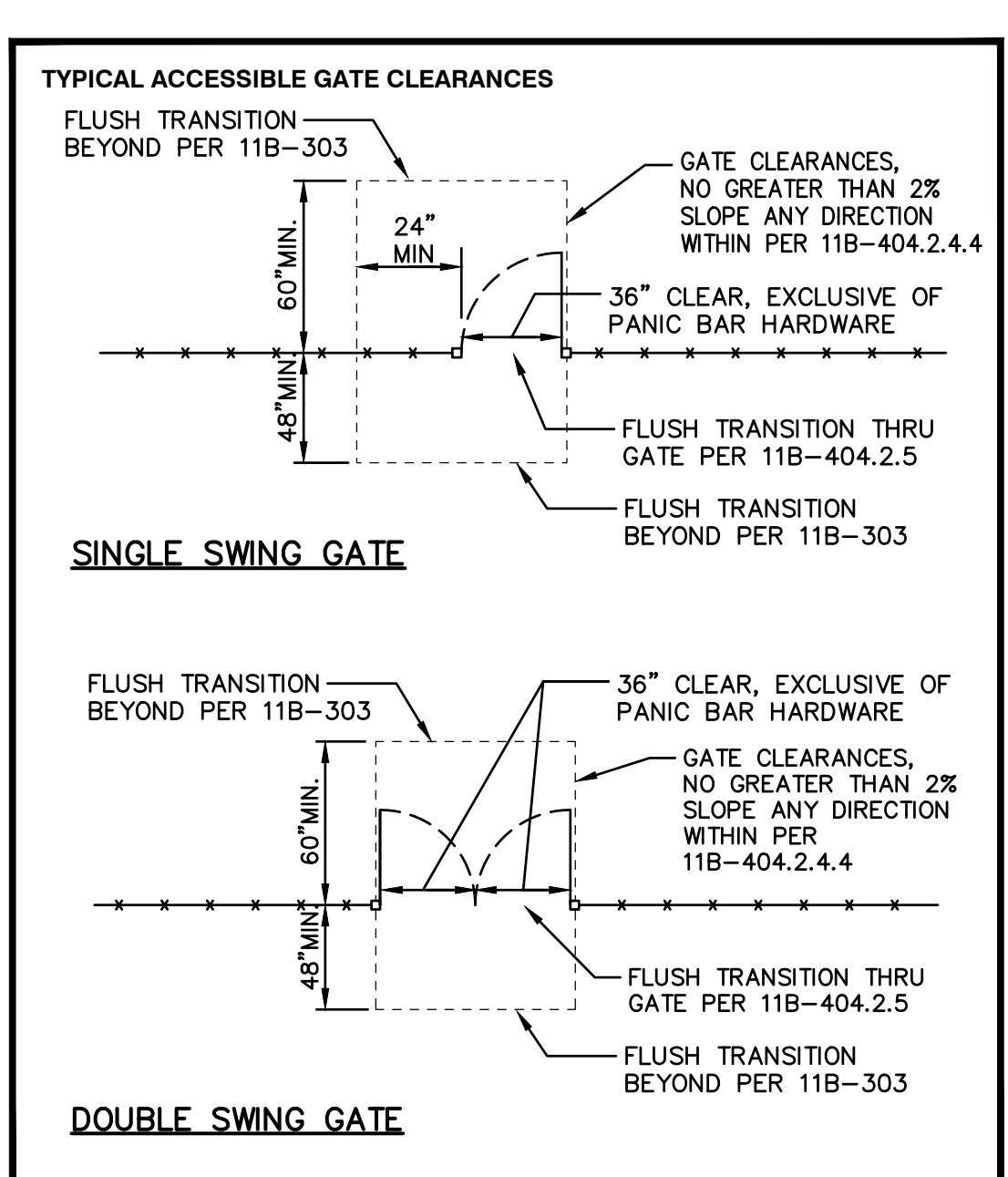
GENERAL SITE PLAN AND ACCESS NOTES:

- 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.
- Slopes in direction of P.O.T. greater than 1:20 are considered ramps (11B-405); Please show all.
- 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 1/2" maximum in the direction of traffic flow per CBC Section 11B-302.3; Provide manufactures cut-sheets for review.
- 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.

GATE LEGEND

Symbol	Description	Detail Ref.
○	ORNAMENTAL METAL GATES	
Ⓜ	SINGLE ACCESSIBLE PEDESTRIAN GATE WITH ALL ACCESSIBLE HARDWARE & PANIC FOR EGRESS.	5 C4.2
Ⓜ	DOUBLE ACCESSIBLE PEDESTRIAN GATE WITH ALL ACCESSIBLE HARDWARE & PANIC FOR EGRESS.	4 C4.2, 2 C4.4
Ⓜ	FIRE LANE VEHICULAR ACCESS GATE, MINIMUM 20' CLEAR WITH KNOX BOX OR KNOX LOCK.	2 C4.2
Ⓜ	DOUBLE MAINTENANCE ONLY ACCESS GATE, NOT USED BY STUDENTS, NOT FOR EGRESS.	2 C4.2
Ⓜ	ROLLING FIRE LANE VEHICULAR ACCESS GATE, MINIMUM 20' CLEAR WITH KNOX BOX OR KNOX LOCK.	7 C4.3
◇	CHAIN LINK GATES	
Ⓜ	SINGLE ACCESSIBLE PEDESTRIAN GATE WITH ALL ACCESSIBLE HARDWARE & PANIC FOR EGRESS.	6 C4.3
Ⓜ	SINGLE MAINTENANCE ONLY ACCESS GATE, NOT USED BY STUDENTS, NOT FOR EGRESS.	5 C4.3
Ⓜ	DOUBLE MAINTENANCE ONLY ACCESS GATE, NOT USED BY STUDENTS, NOT FOR EGRESS.	5 C4.3
Ⓜ	FIRE LANE VEHICULAR ACCESS GATE, MINIMUM 20' CLEAR WITH KNOX BOX OR KNOX LOCK.	5 C4.3
Ⓜ	ROLLING FIRE LANE VEHICULAR ACCESS GATE, MINIMUM 20' CLEAR WITH KNOX BOX OR KNOX LOCK.	1 C4.4

(* = WHERE ** SHOWN ON PLAN, GATE IS PROVIDED WITH ELECTRONIC ACCESS CONTROLS. NOTE: ELECTRONIC CONTROLS CANNOT LOCK OUT INSIDE PANIC BAR)



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:
- 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.
 - THE MINIMUM WIDTH OF THE P.O.T. IS 48" AT ANY GIVEN POINT. (11B-403.5.1)
 - THE SURFACE OF THE P.O.T. STABLE, FIRM, AND SLIP RESISTANT. (11B-403.2)
 - THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL IS 5.0% (11B-403.3), UNLESS OTHERWISE INDICATED, WITH THE FOLLOWING EXCEPTIONS:
 - THE SLOPED PORTION OF "RAMP" DOES NOT EXCEED 8.33% (1V:12H) IN THE DIRECTION OF TRAVEL (11B-405.2).
 - 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).
 - THE CROSS SLOPE OF THE ACCESSIBLE PATH OF TRAVEL DOES NOT EXCEED 2% AT ANY GIVEN POINT (11B-403.3).
 - THE ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307).
 - THERE ARE NO PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307).
 - PASSING SPACES AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART. (11B-403.5.3)
 - PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART. (11B-407.3)
 - THERE IS NO DROP-OFF OVER 4" AT THE EDGE OF WALK OR LANDING. (11B-303.5)
 - ARCHITECT AND CONTRACTOR SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.
 - 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."

PROJECT PARKING CALCULATION

PARKING LOT A PARKING TOTALS	EXISTING	PROPOSED
STANDARD PARKING STALLS	102	93
ACCESSIBLE PARKING SPACES	4	4
OVERALL TOTAL PARKING SPACES	98	93

(E) ACCESSIBLE SPACE REQUIREMENTS REQUIRED	REQUIRED	PROVIDED
REQUIRED ACCESSIBLE SPACES (CAR)	3	3
REQUIRED ACCESSIBLE SPACES (VAN)	1	1
TOTAL REQUIRED ACCESSIBLE SPACES (PER 2019 CBC SECTION 11B-208.2)	4	4

- LEGEND**
- EXISTING BUILDING NOT MODERNIZED BY THIS APPLICATION.
 - STORAGE CONTAINER / SHED
 - 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 (SEE SHEET C2.1)
 - EXISTING CONCRETE WALKWAY (SEE SHEET C0.1-C0.2 & C2.1)
 - SCOPE OF PROJECT
 - PROPERTY LINE
 - ROAD CENTERLINE
 - STORAGE, SHED/CONTAINER
 - ACCESSIBLE RESTROOM (PROJECT COMPLIANCE)

DSA

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

OWNER:
Sacramento City Unified School District
Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

CONSULTANT:

STAMP:
ANTHONY J. TASSANO
REGISTERED PROFESSIONAL ENGINEER
NO. C74690
STATE OF CALIFORNIA
8/11/2023

Rosa Parks Elementary 2023 Fencing

2250 68th Avenue
Sacramento, CA 95822

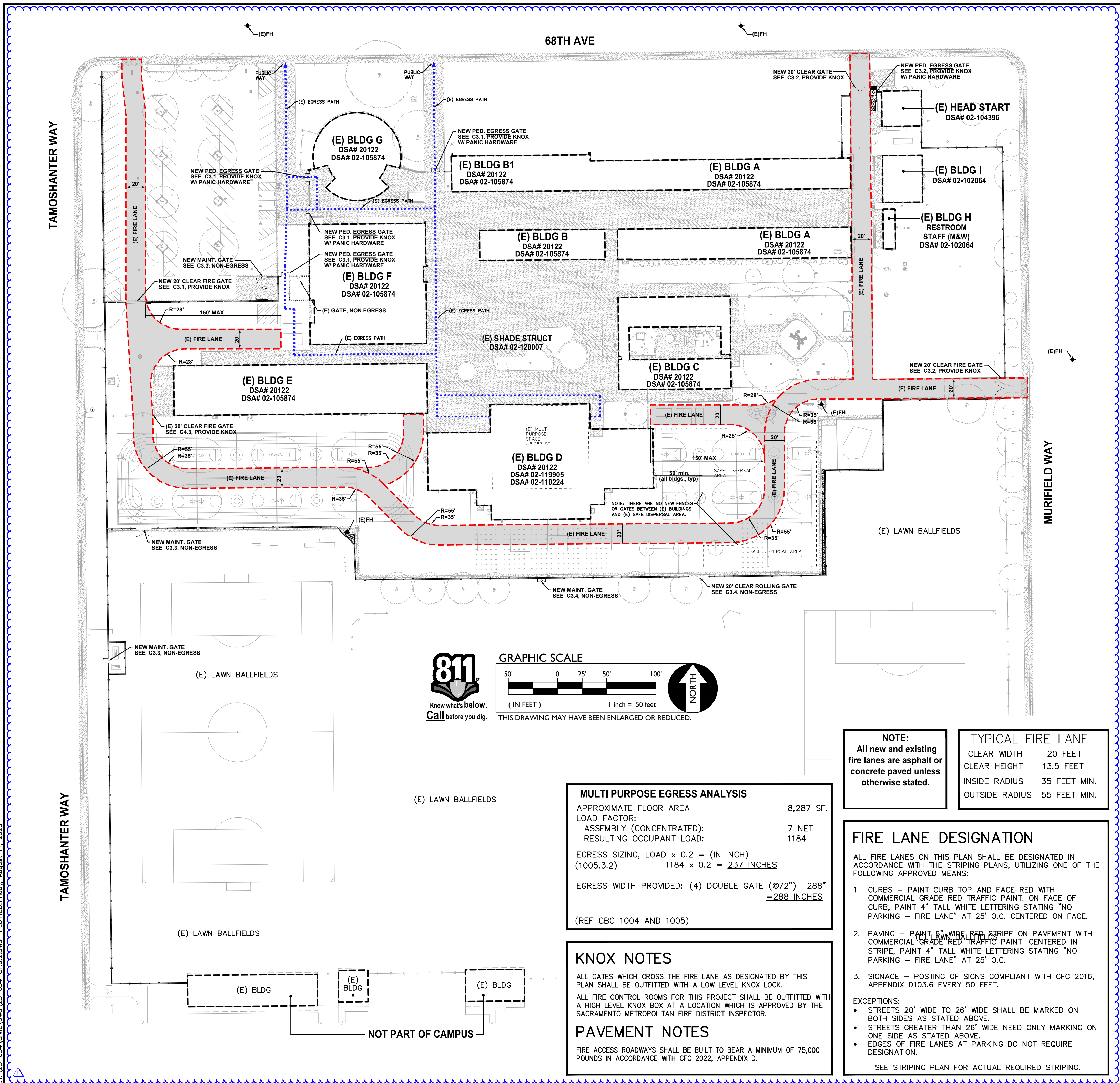
REVISIONS	
NO.	DESCRIPTION
1	ADDENDUM NO. 1

DRAWN: SMN SCALE: AS NOTED
CHECKED: AT PROJECT NO. 23-054
DESIGNED: SMN/AT DATE: 4/24/2023
ISSUANCE:

SHEET TITLE:
SITE ACCESS PLAN

SHEET NO.
C1.0.1

FILE NAME: I:\23-054\CONV\DWG\23-054-C1.01.DWG PLOTTED: Friday, August 11, 2023



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:	ROSA PARKS ELEMENTARY SCHOOL		
Project Address:	2250 68TH AVENUE, SACRAMENTO, CA 95822		
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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Refer to the following website for FHSZ locations: http://eqis.fire.ca.gov/FHSZ/	Moderate <input type="checkbox"/>	High <input type="checkbox"/>	Very High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)			WIFA <input type="checkbox"/>

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.			<input checked="" type="checkbox"/>	
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.	<input type="checkbox"/>	<input type="checkbox"/>		
5. Fire Hydrants: Number and spacing does not meet CFC requirements.			<input checked="" type="checkbox"/>	
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.	<input type="checkbox"/>	<input type="checkbox"/>		
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.			<input checked="" type="checkbox"/>	
6a. Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.	<input type="checkbox"/>	<input type="checkbox"/>		
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			<input checked="" type="checkbox"/>	
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.	<input type="checkbox"/>	<input type="checkbox"/>		

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:	City of Sacramento Fire Department
LFA Review Official:	King Tunson
Title:	Program Specialist
Work Phone:	(916) 808-1358
Work Email:	ktunson@sfd.cityofsacramento.org

LFA Reviewer's Signature: _____ Date: _____



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



Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

CONSULTANT:
STAMP:

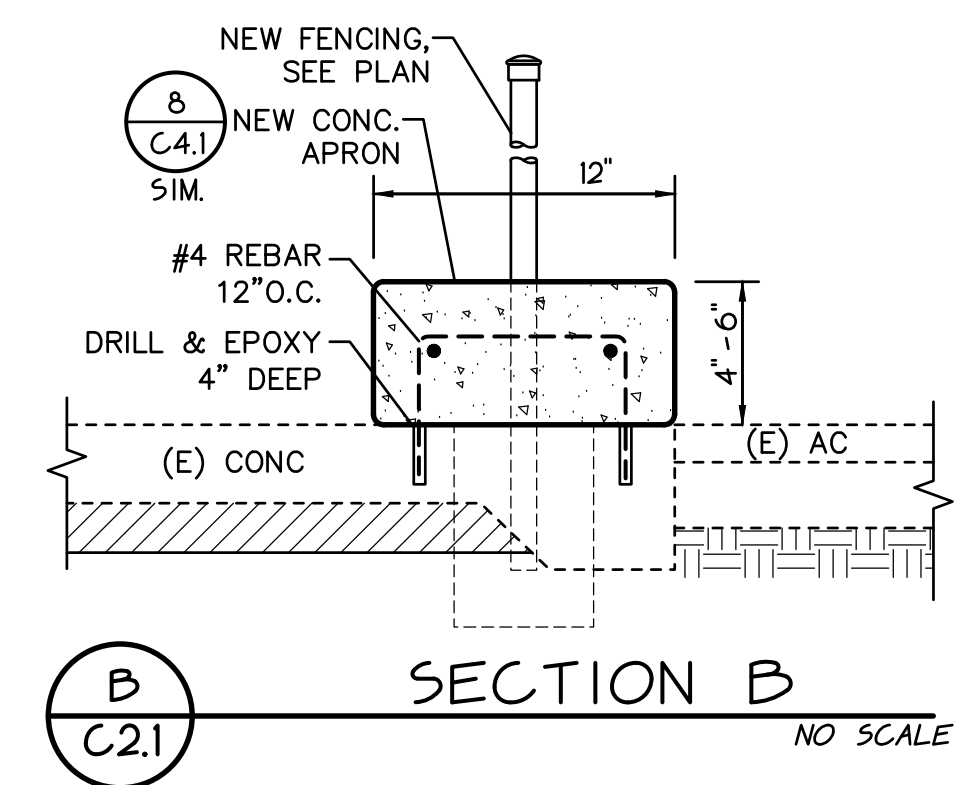
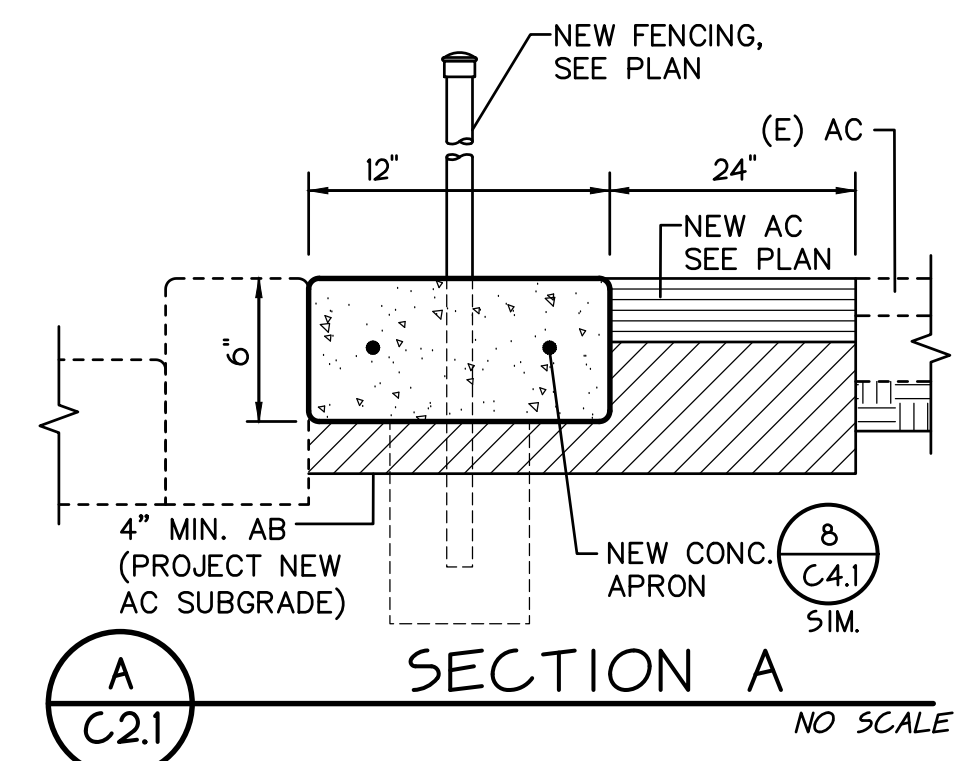
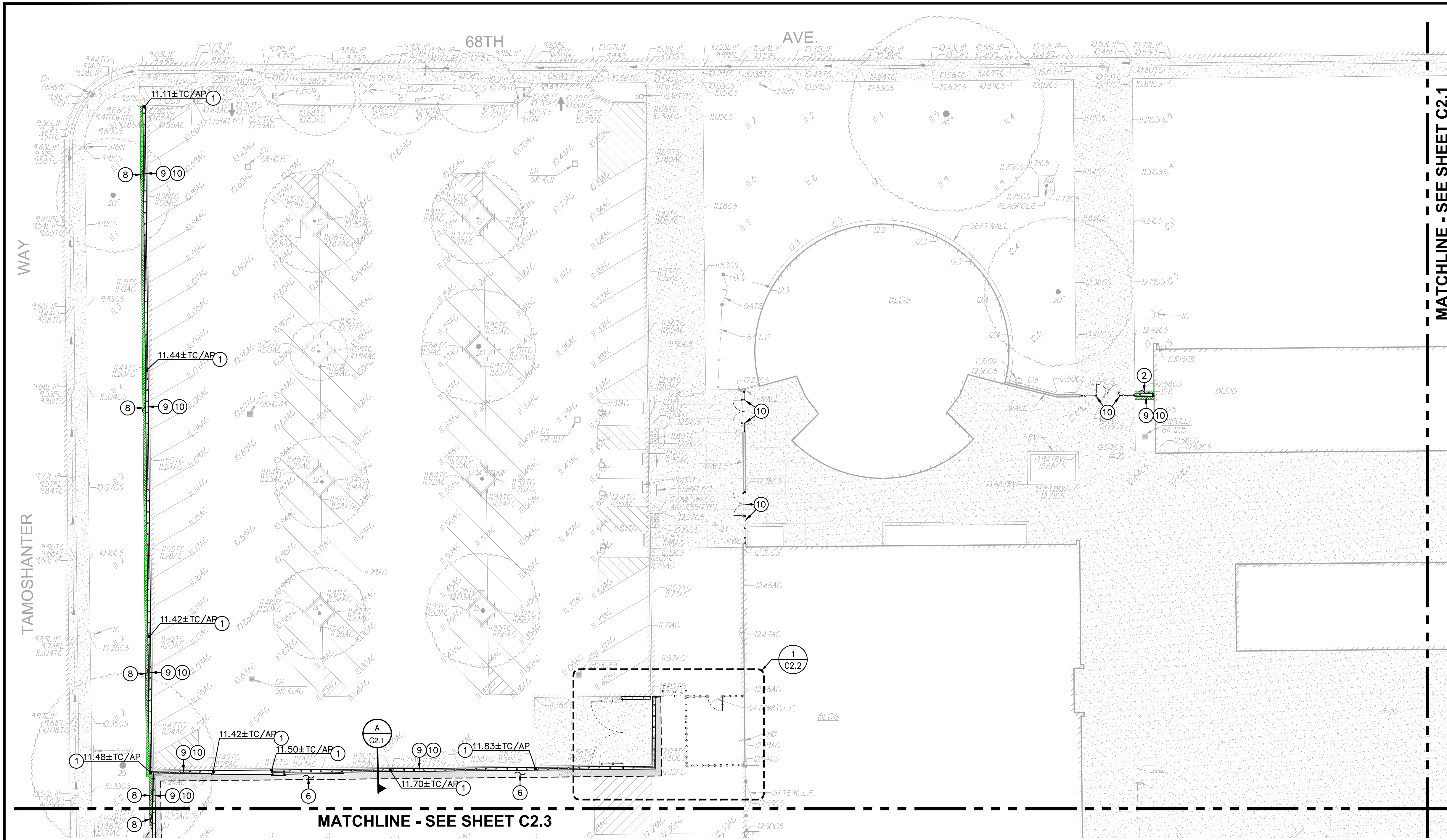
Rosa Parks Elementary
2023 Fencing
2250 68th Avenue
Sacramento, CA 95822

REVISIONS	
NO.	DESCRIPTION
Δ	ADDENDUM NO.1

DRAWN: SMN SCALE: AS NOTED
CHECKED: AT PROJECT NO. 23-054
DESIGNED: SMN/AT DATE: 4/24/2023
ISSUANCE:

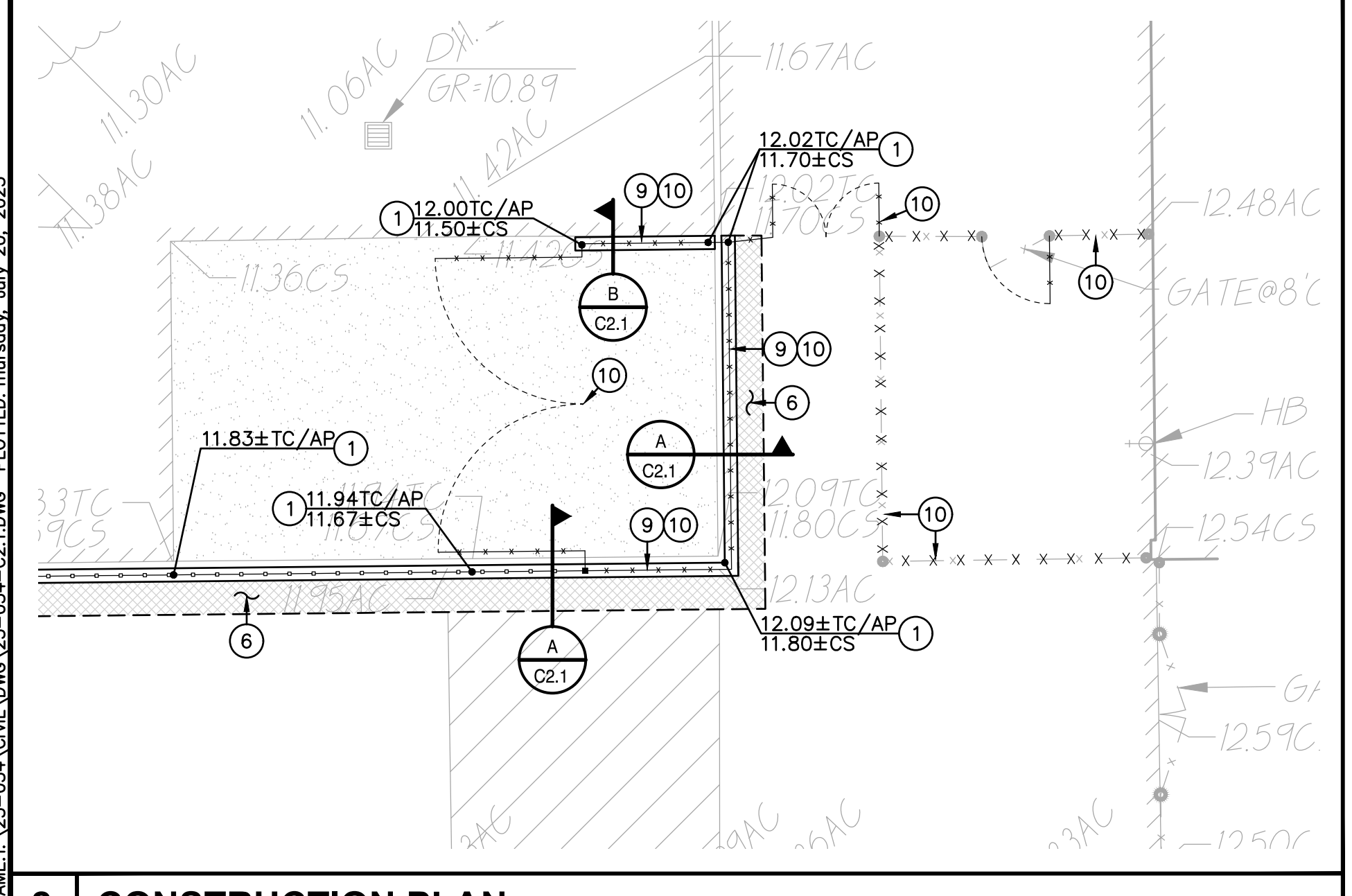
SHEET TITLE:
FIRE ACCESS PLAN

SHEET NO.
C1.0.2



1 CONSTRUCTION PLAN

SCALE 1" = 20'-0"



2 CONSTRUCTION PLAN

SCALE 1" = 10'-0"

LEGEND

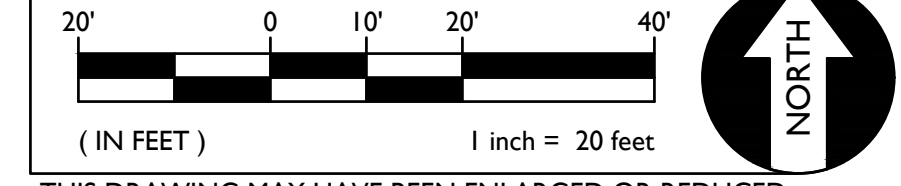
- CONSTRUCTION NOTES**
NOT ALL NOTES MAY BE USED ON THIS SHEET
- MATCH EXISTING GRADE/ELEVATION. WHEN MATCHING NEW SLABS TO EXISTING, DOWEL SLABS PER THE DETAIL PROVIDED AT 24" O.C.
 - PLACE 5" CONCRETE PAVING WITH #4 REBAR AT 24" O.C.E.W. OVER 6" CLASS II AB PER THE TYPICAL DETAILS PROVIDED. REFER TO PAVING PLAN FOR SECTIONS. REFER TO SPECIFICATIONS SECTION 31 00 00 FOR SUBGRADE PREPARATION, SECTION 32 16 00 FOR CONCRETE PAVING.
 - CONSTRUCT FLUSH CONCRETE EDGE WITH TRUNCATED DOMES PER THE DETAIL PROVIDED.
 - SEE FENCING PLAN AND DETAILS FOR ROLLING GATES AND ADDITIONAL CONCRETE WORK, I.E. APRONS, TRACKS, ETC.
 - CUT OUT AND PATCH IN CONCRETE CURB FOR NEW GATE POST. PATCH BACK TO MATCH EXISTING SECTION. PROVIDE 2 DOWELS, EACH END, SIM. TO DETAIL.
 - PLACE 3" AC PAVING OVER 12" CLASS II AB, OR MATCH EXISTING SECTION, WHICHEVER IS GREATER. REFER TO SPECIFICATIONS SECTION 32 12 16 FOR MATERIALS AND CONSTRUCTION. REFER TO SECTION 31 00 00 FOR SUBGRADE PREPARATION.
 - INSTALL NEW TRAFFIC RATED UTILITY BOX OF SAME SIZE AND APPROPRIATE FOR UTILITY. SET NEW BOX FLUSH WITH PROPOSED FINISHED GRADE. WHEN IN NEW CONCRETE AREAS, ALIGN WITH NEW JOINT PATTERNS WHEN POSSIBLE. SEE DEMO PLAN FOR EXISTING BOX REMOVAL.

- PATCH AND REPAIR EXISTING LANDSCAPING AND IRRIGATION ALONG EDGE OF NEW WORK. RELOCATE AND ADJUST EXISTING HEADS AS NEEDED TO MAINTAIN COVERAGE. REPLACE ALL BROKEN HEADS RELOCATED. TAPER ALL GRADING AWAY FROM NEW CURBS AND APRONS AND SET GRADES BELOW APRONS, CURBS AND WALKS TO ALLOW FOR LAWN AND OTHER PLANTING PATCH BACK PER THE DETAILS PROVIDED. PROVIDE NEW SOD IN LAWN AREAS.
- CONSTRUCT 12" WIDE CONCRETE APRON PER THE DETAIL PROVIDED, MODIFIED PER SECTIONS THIS SHEET.
- SEE FENCING PLAN FOR NEW FENCING.

Surface Repair Note:
Regardless if shown or not, all existing improvements and landscaping cut, removed or damaged by the installation of new work shall be repaired. This is especially true along edges of new work. Contractor shall repair landscaping, and irrigation as needed to maintain system operation. Lawn shall be repaired with sod in well maintained lawn areas. Sparse lawn areas may be repaired with hydro/drilled seeding.



GRAPHIC SCALE



THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFELD WAY, SUITE 110
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Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

ANTHONY J. TASSANO
REGISTERED PROFESSIONAL ENGINEER
NO. C74694
STATE OF CALIFORNIA
7/20/2023

Rosa Parks Elementary
2023 Fencing

2250 68th Avenue
Sacramento, CA 95822

REVISIONS	
NO.	DESCRIPTION
1	ADDENDUM NO. 1

DRAWN: SMN	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-054
DESIGNED: SMN/AT	DATE: 4/24/2023

SHEET TITLE:

GRADING AND CONSTRUCTION PLAN

SHEET NO. **C2.1**

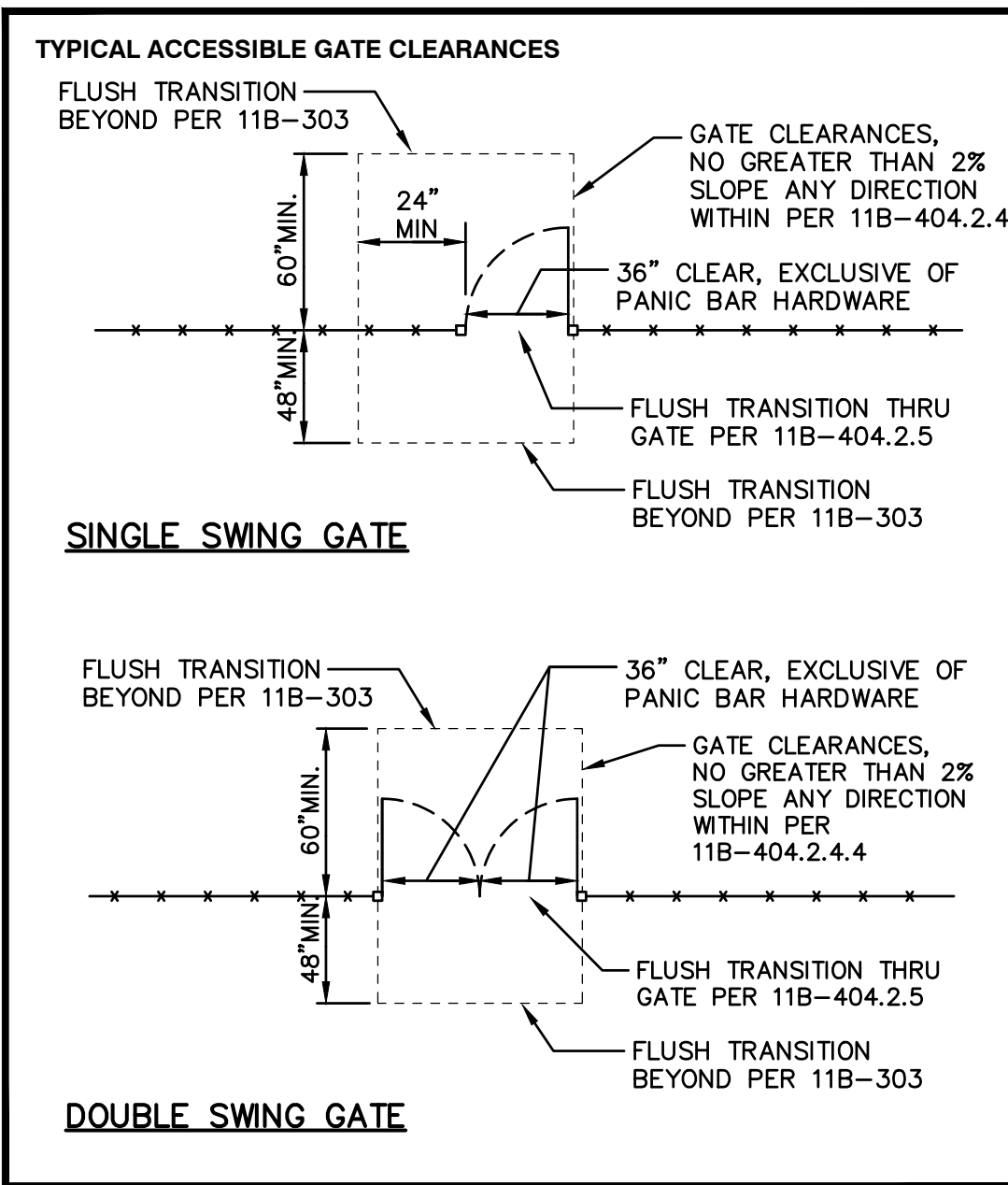
FILENAME: I:\23-056-Civil\DWG\23-056-C1.01.DWG PLOTTED: Sunday, August 13, 2023

GATE LEGEND

ORNAMENTAL METAL GATES	DETAIL REF.
(E) SINGLE ACCESSIBLE PEDESTRIAN GATE WITH ALL ACCESSIBLE HARDWARE & PANIC FOR EGRESS.	4 C4.2
(E) DOUBLE ACCESSIBLE PEDESTRIAN GATE WITH ALL ACCESSIBLE HARDWARE & PANIC FOR EGRESS.	2 C4.4
(F) FIRE LANE VEHICULAR ACCESS GATE, MINIMUM 20' CLEAR WITH KNOX BOX OR KNOX LOCK.	1 C4.4
(M) DOUBLE MAINTENANCE ONLY ACCESS GATE, NOT USED BY STUDENTS, NOT FOR EGRESS.	2 C4.2
(M) DOUBLE MAINTENANCE ONLY ACCESS GATE, NOT USED BY STUDENTS, NOT FOR EGRESS.	2 C4.2

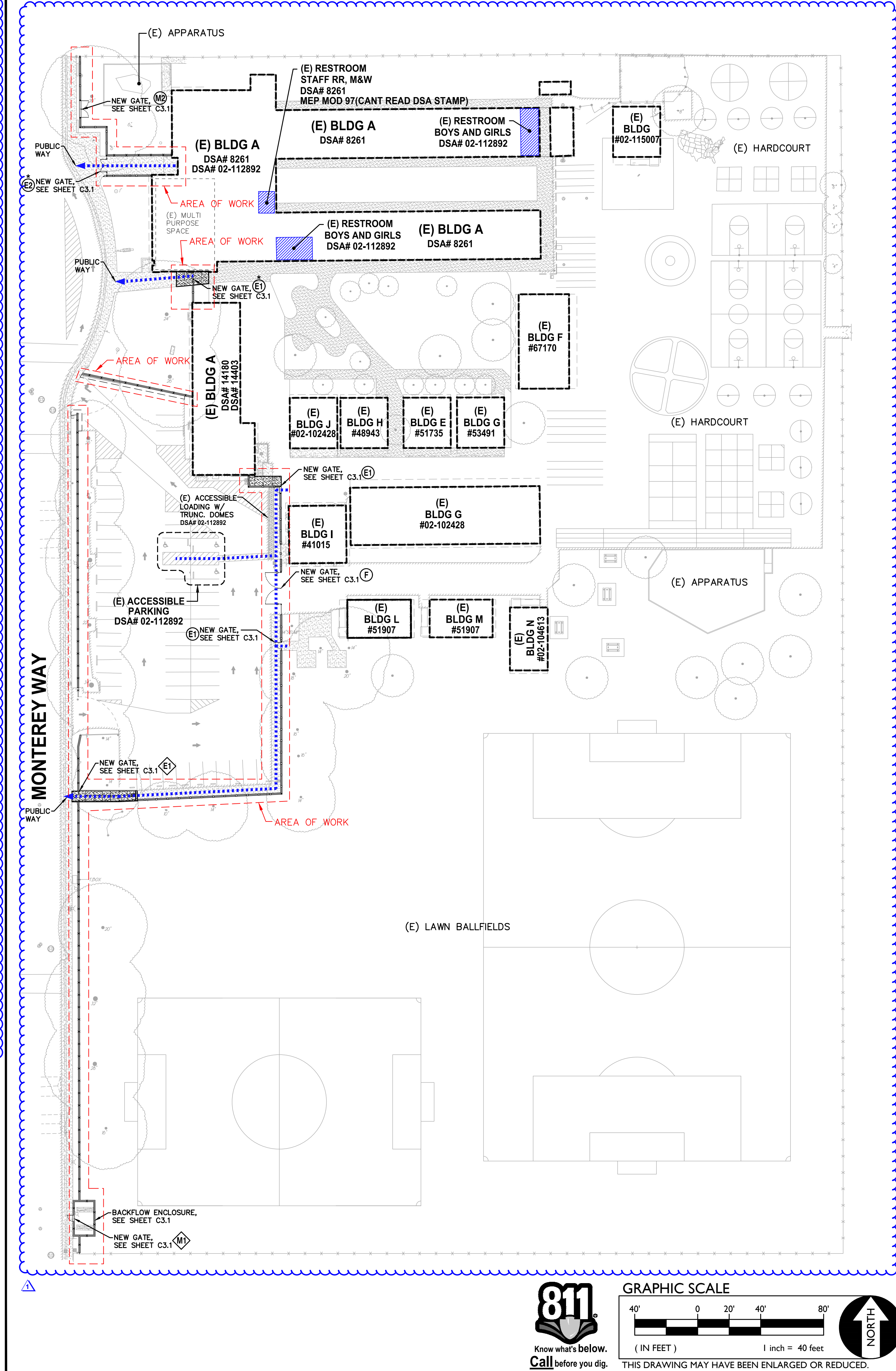
(* = WHERE "" SHOWN ON PLAN, GATE IS PROVIDED WITH ELECTRONIC ACCESS CONTROLS. NOTE: ELECTRONIC CONTROLS CANNOT LOCK OUT INSIDE PANIC BAR)

CHAIN LINK GATES	DETAIL REF.
(E) SINGLE ACCESSIBLE PEDESTRIAN GATE WITH ALL ACCESSIBLE HARDWARE & PANIC FOR EGRESS.	6 C4.3
(M) SINGLE MAINTENANCE ONLY ACCESS GATE, NOT USED BY STUDENTS, NOT FOR EGRESS.	5 C4.3



GENERAL SITE PLAN AND ACCESS NOTES:

- 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.
- Slopes in direction of P.O.T. greater than 1:20 are considered ramps (11B-405); Please show all.
- 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 1/2" maximum in the direction of traffic flow per CBC Section 11B-302.3; Provide manufactures cut-sheets for review.
- 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.



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:

- 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.
- THE MINIMUM WIDTH OF THE P.O.T. IS 48" AT ANY GIVEN POINT. (11B-403.5.1)
- THE SURFACE OF THE P.O.T. STABLE, FIRM, AND SLIP RESISTANT. (11B-403.2)
- THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL IS 5.0% (11B-403.3), UNLESS OTHERWISE INDICATED, WITH THE FOLLOWING EXCEPTIONS:
 - THE SLOPED PORTION OF "RAMP" DOES NOT EXCEED 8.33% (1V:12H) IN THE DIRECTION OF TRAVEL (11B-405.2).
 - 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).
- THE CROSS SLOPE OF THE ACCESSIBLE PATH OF TRAVEL DOES NOT EXCEED 2% AT ANY GIVEN POINT (11B-403.3).
- THE ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307).
- THERE ARE NO PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307).
- PASSING SPACES AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART. (11B-403.5.3)
- PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART. (11B-407.3)
- THERE IS NO DROP-OFF OVER 4" AT THE EDGE OF WALK OR LANDING. (11B-303.5)
- ARCHITECT AND CONTRACTOR SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.
- 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 non-compliant 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 non-compliant 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 non-compliant 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.

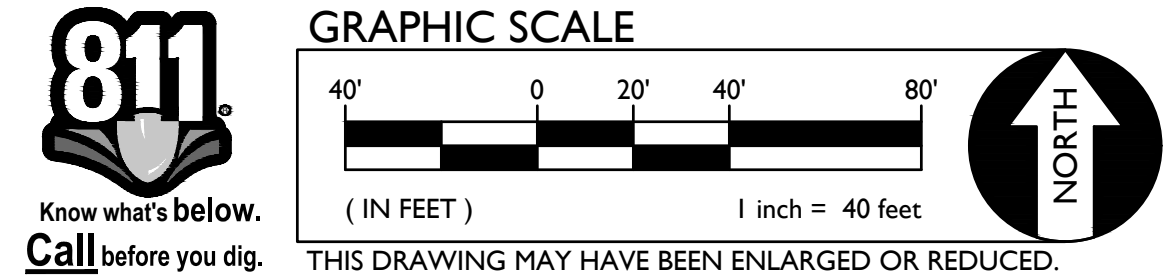
PROJECT PARKING CALCULATION

PARKING LOT A PARKING TOTALS	EXISTING	PROPOSED
STANDARD PARKING STALLS	54	54
ACCESSIBLE PARKING SPACES	3	3
OVERALL TOTAL PARKING SPACES	57	57

(E) ACCESSIBLE SPACE REQUIREMENTS	REQUIRED	PROVIDED
REQUIRED ACCESSIBLE SPACES (CAR)	2	2
REQUIRED ACCESSIBLE SPACES (VAN)	1	1
TOTAL REQUIRED ACCESSIBLE SPACES (PER 2019 CBC SECTION 11B-208.2)	3	3

LEGEND

- EXISTING BUILDING NOT MODERNIZED BY THIS APPLICATION.
- STORAGE CONTAINER / SHED
- 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 (SEE SHEET C3.1)
- EXISTING CONCRETE WALKWAY (SEE SHEET C0.1-C0.2 & C2.1)
- SCOPE OF PROJECT
- PROPERTY LINE
- ROAD CENTERLINE
- STORAGE, SHED/CONTAINER
- ACCESSIBLE RESTROOM (PROJECT COMPLIANCE)



1 SITE ACCESS PLAN

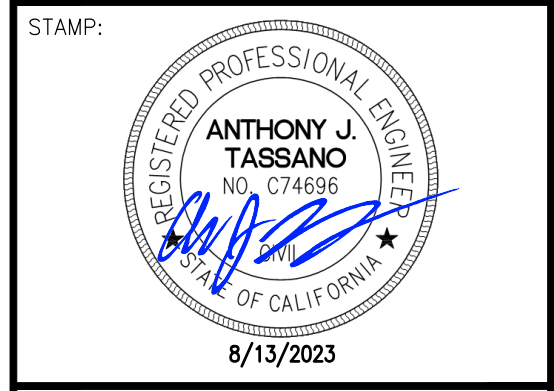
SCALE 1" = 40'-0"

DSA



OWNER:
Sacramento City Unified School District
 Sacramento City Unified School District
 5735 47th Avenue
 Sacramento, CA 95824-4528

CONSULTANT:



Sutterville Elementary
 2023 Fencing

4967 Monterey Way
 Sacramento, CA 95822

REVISIONS

NO.	DESCRIPTION
1	ADDENDUM NO. 1

DRAWN: SMN	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-056
DESIGNED: SMN/AT	DATE: 4/24/2023

ISSUANCE:

SHEET TITLE:

SITE ACCESS PLAN

SHEET NO.

C1.0.1

FIRE LANE DESIGNATION

ALL FIRE LANES ON THIS PLAN SHALL BE DESIGNATED IN ACCORDANCE WITH THE STRIPING PLANS, UTILIZING ONE OF THE FOLLOWING APPROVED MEANS:

1. CURBS - PAINT CURB TOP AND FACE RED WITH COMMERCIAL GRADE RED TRAFFIC PAINT. ON FACE OF CURB, PAINT 4" TALL WHITE LETTERING STATING "NO PARKING - FIRE LANE" AT 25' O.C. CENTERED ON FACE.
2. PAVING - PAINT 6" WIDE RED STRIPE ON PAVEMENT WITH COMMERCIAL GRADE RED TRAFFIC PAINT. CENTERED IN STRIPE, PAINT 4" TALL WHITE LETTERING STATING "NO PARKING - FIRE LANE" AT 25' O.C.
3. SIGNAGE - POSTING OF SIGNS COMPLIANT WITH CFC 2016, APPENDIX D103.6 EVERY 50 FEET.

EXCEPTIONS:

- STREETS 20' WIDE TO 26' WIDE SHALL BE MARKED ON BOTH SIDES AS STATED ABOVE.
- STREETS GREATER THAN 26' WIDE NEED ONLY MARKING ON ONE SIDE AS STATED ABOVE.
- EDGES OF FIRE LANES AT PARKING DO NOT REQUIRE DESIGNATION.

SEE STRIPING PLAN FOR ACTUAL REQUIRED STRIPING.

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.

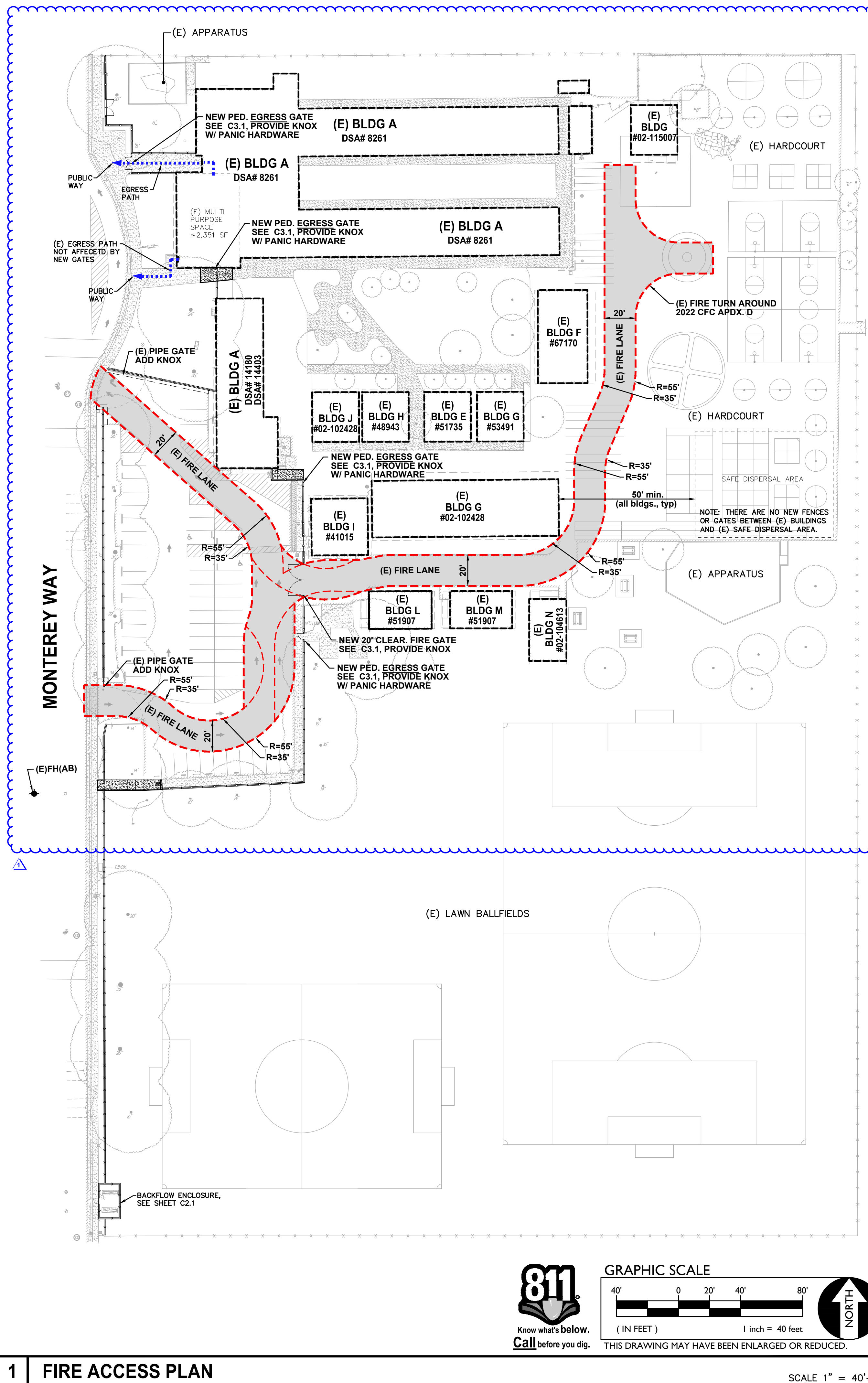
TYPICAL FIRE LANE	
CLEAR WIDTH	20 FEET
CLEAR HEIGHT	13.5 FEET
INSIDE RADIUS	35 FEET MIN.
OUTSIDE RADIUS	55 FEET MIN.

NOTE:
All new and existing fire lanes are asphalt or concrete paved unless otherwise stated.

MULTI PURPOSE EGRESS ANALYSIS

APPROXIMATE FLOOR AREA	2,351 SF.
LOAD FACTOR:	
ASSEMBLY (CONCENTRATED):	7 NET
RESULTING OCCUPANT LOAD:	335
EGRESS SIZING, $LOAD \times 0.2 =$ (IN INCH)	
(1005.3.2)	$335 \times 0.2 =$ 67 INCHES
EGRESS WIDTH PROVIDED:	
(1) DOUBLE GATE	72"
(1) (E) DOOR	36"
	=108 INCHES

(REF. CBC 1004 AND 1005)



1 FIRE ACCESS PLAN



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:	SUTTERVILLE ELEMENTARY SCHOOL		
Project Address:	7680 WINDBRIDGE DRIVE, SACRAMENTO, CA 95831		
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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Refer to the following website for FHSZ locations: http://eqis.fire.ca.gov/FHSZ/	Moderate <input type="checkbox"/>	High <input type="checkbox"/>	Very High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)			WIFA <input type="checkbox"/>

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 4

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.			<input checked="" type="checkbox"/>	
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.	<input type="checkbox"/>	<input type="checkbox"/>		
5. Fire Hydrants: Number and spacing does not meet CFC requirements.			<input checked="" type="checkbox"/>	
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.	<input type="checkbox"/>	<input type="checkbox"/>		
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.			<input checked="" type="checkbox"/>	
6a. Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.	<input type="checkbox"/>	<input type="checkbox"/>		
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			<input checked="" type="checkbox"/>	
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.	<input type="checkbox"/>	<input type="checkbox"/>		

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:	City of Sacramento Fire Department		
LFA Review Official:	King Tunson		
Title:	Program Specialist	Work Phone:	(916) 808-1358
Work Email:	ktunson@sfd.cityofsacramento.org		
LFA Reviewer's Signature:	_____		
Date:	_____		

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 2 of 4



WARREN CONSULTING ENGINEERS, INC.
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EL DORADO HILLS, CA 95762 | (916) 985-1870



Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

CONSULTANT:
ANTHONY J. TASSANO
REGISTERED PROFESSIONAL ENGINEER
NO. C74698
STATE OF CALIFORNIA
8/13/2023

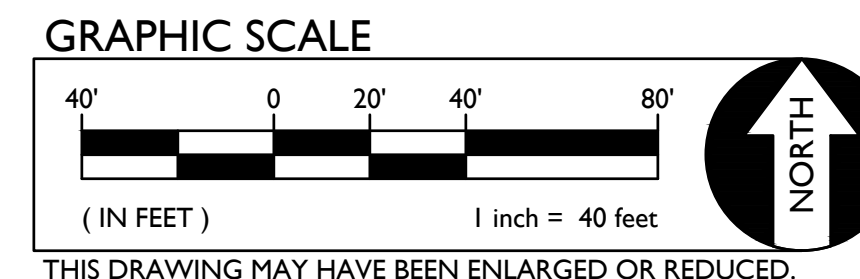
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REVISIONS	
NO.	DESCRIPTION
△	ADDENDUM NO. 1

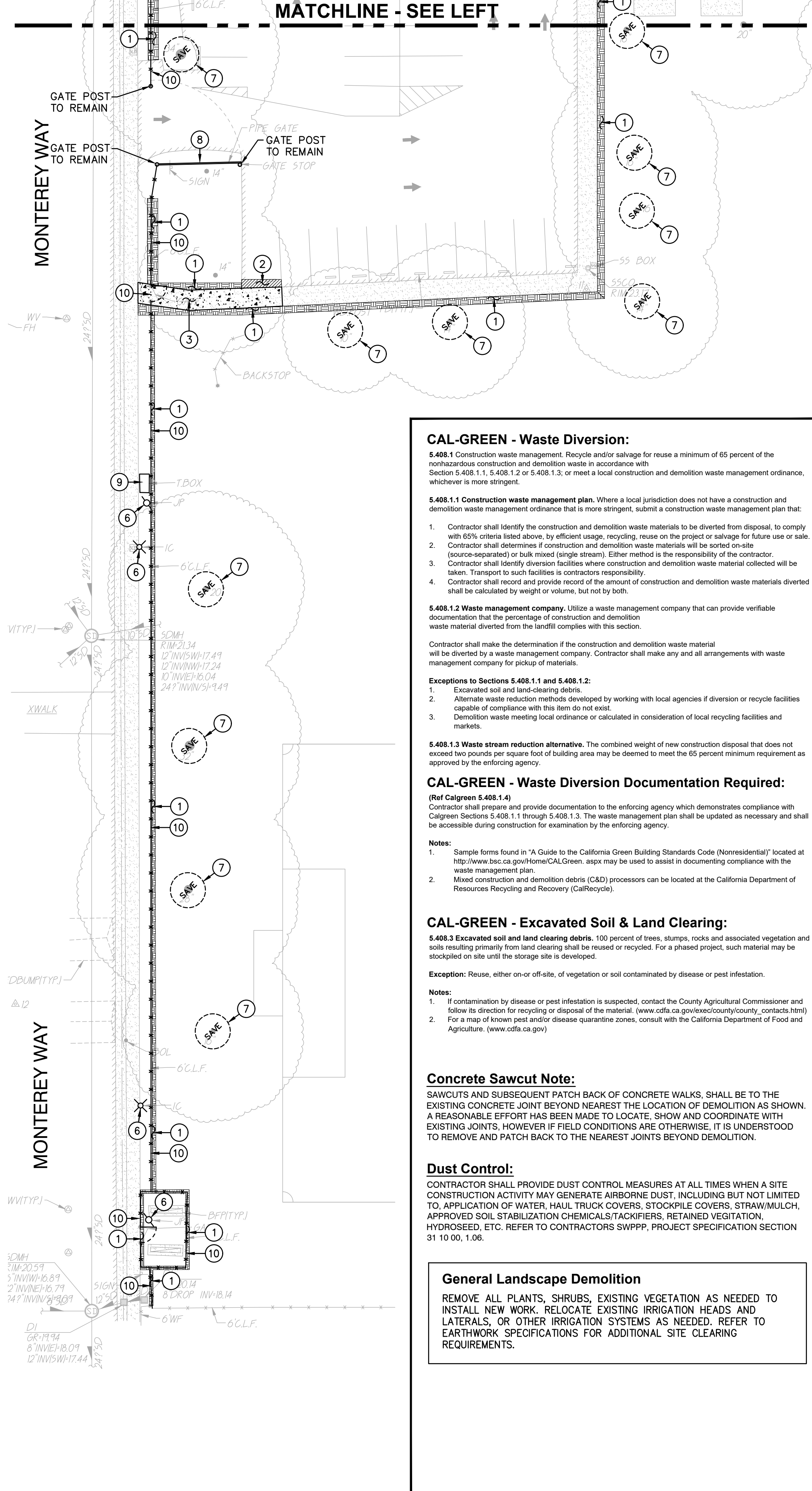
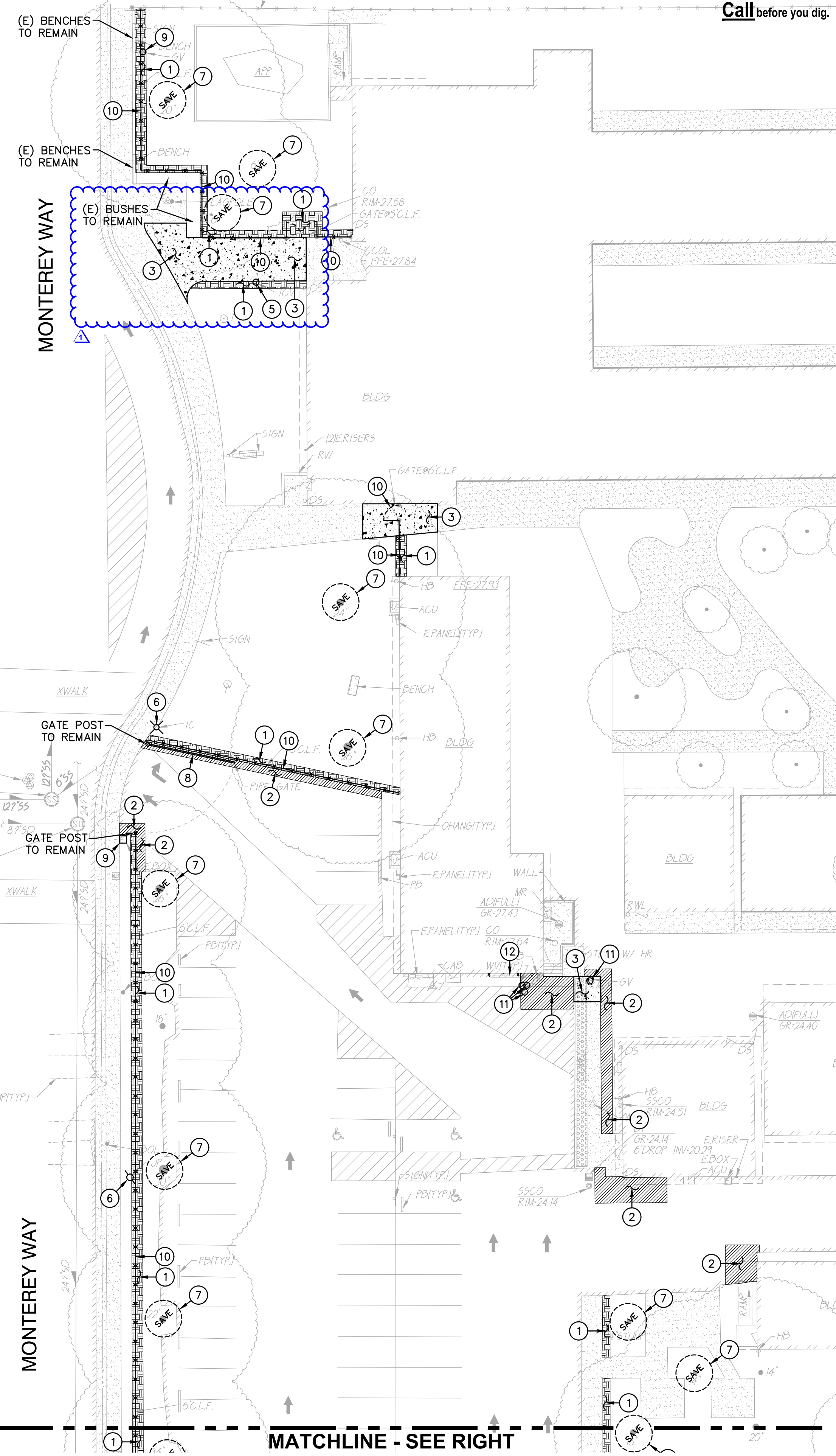
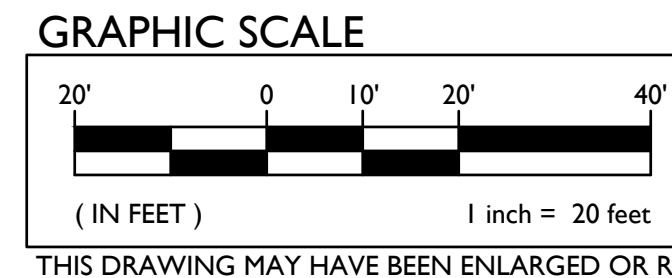
DRAWN: SMN SCALE: AS NOTED
CHECKED: AT PROJECT NO. 23-056
DESIGNED: SMN/AT DATE: 4/24/2023
ISSUANCE:

SHEET TITLE:
FIRE ACCESS PLAN

SHEET NO.
C1.0.2



FILENAME: I:\25-056-Civil\DWG\23-056-C1.DWG PLOTTED: Friday, August 11, 2023



DEMOLITION GENERAL NOTES

- 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 ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS. NO BURNING OR BLASTING SHALL BE PERMITTED.
- ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
- ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
- ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
- THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN 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 DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR, FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.
- 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. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REINSTALLED AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
- ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- CONTRACTOR SHALL COMPLY WITH CHAPTER 33 OF THE 2019 CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR SHALL HIRE A UTILITY LOCATING COMPANY AND SHALL SCAN THE ENTIRE AREA WITHIN THE LIMITS OF NEW WORK. ALL UTILITIES LOCATED SHALL BE MARKED AND PROTECTED DURING THE LWMG OPERATIONS AS WELL AS ANY EXCAVATING TASKS. ANY LOCATED UTILITY DAMAGED WITHIN THE LIMITS OF WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.
- ALL DEMOLITION SHALL BE APPROPRIATELY SUPPORTED AND REINFORCED DURING REMOVAL TO PREVENT INJURY FROM FALLING, PROJECTILE, OR OTHERWISE MOVING DEBRIS OR OTHER DELETERIOUS MATERIAL. ONSITE SAFETY WITHIN THE LIMITS OF WORK IS THE CONTRACTORS SOLE RESPONSIBILITY.

CAL-GREEN - Waste Diversion:

- 5.408.1 Construction waste management.** Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3, or meet a local construction and demolition waste management ordinance, whichever is more stringent.
- 5.408.1.1 Construction waste management plan.** Where a local jurisdiction does not have a construction and demolition waste management ordinance that is more stringent, submit a construction waste management plan that:
- Contractor shall identify the construction and demolition waste materials to be diverted from disposal, to comply with 65% criteria listed above, by efficient usage, recycling, reuse on the project or salvage for future use or sale.
 - Contractor shall determine if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream). Either method is the responsibility of the contractor.
 - Contractor shall identify diversion facilities where construction and demolition waste material collected will be taken. Transport to such facilities is contractor's responsibility.
 - Contractor shall record and provide record of the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.
- 5.408.1.2 Waste management company.** Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.
- Contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company. Contractor shall make any and all arrangements with waste management company for pickup of materials.
- Exceptions to Sections 5.408.1.1 and 5.408.1.2:**
- Excavated soil and land-clearing debris.
 - Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
 - Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.
- 5.408.1.3 Waste stream reduction alternative.** The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65 percent minimum requirement as approved by the enforcing agency.

CAL-GREEN - Waste Diversion Documentation Required:

- (Ref Calgreen 5.408-1.4)
- Contractor shall prepare and provide documentation to the enforcing agency which demonstrates compliance with Calgreen Sections 5.408.1.1 through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.
- Notes:**
- Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at <http://www.bsc.ca.gov/home/CALGreen.aspx> may be used to assist in documenting compliance with the waste management plan.
 - Mixed construction and demolition debris (C&D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

CAL-GREEN - Excavated Soil & Land Clearing:

- 5.408.3 Excavated soil and land clearing debris.** 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.
- Exception:** Reuse, either on-or off-site, of vegetation or soil contaminated by disease or pest infestation.
- Notes:**
- If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material. (www.cdffa.ca.gov/exec/county_contacts.html)
 - For a map of known pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdffa.ca.gov)

Concrete Sawcut Note:

SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND NEAREST THE 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.

Dust Control:

CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES AT ALL TIMES WHEN A SITE CONSTRUCTION ACTIVITY MAY GENERATE AIRBORNE DUST, INCLUDING BUT NOT LIMITED TO, APPLICATION OF WATER, HAUL TRUCK COVERS, STOCKPILE COVERS, STRAW/MULCH, APPROVED SOIL STABILIZATION CHEMICALS/TACKIFIERS, RETAINED VEGETATION, HYDROSEED, ETC. REFER TO CONTRACTORS SWPPP, PROJECT SPECIFICATION SECTION 31 10 00, 1.06.

General Landscape Demolition

REMOVE ALL PLANTS, SHRUBS, EXISTING VEGETATION AS NEEDED TO INSTALL NEW WORK. RELOCATE EXISTING IRRIGATION HEADS AND LATERALS, OR OTHER IRRIGATION SYSTEMS AS NEEDED. REFER TO EARTHWORK SPECIFICATIONS FOR ADDITIONAL SITE CLEARING REQUIREMENTS.

DEMOLITION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS SHEET.

- | LEGEND | DEMOLITION NOTES |
|--------|---|
| | 1. REMOVE ALL PLANTS, SHRUBS, EXISTING VEGETATION AS NEEDED TO COMPLETE NEW WORK. SEE GENERAL LANDSCAPE DEMOLITION NOTE, THIS SHEET. |
| | 2. REMOVE EXISTING ASPHALT PAVING AND BASE TO ALLOW FOR NEW WORK. AC MAY BE GRINDED AND BLENDED WITH EXISTING BASE, EXCAVATED AND USED AS FILL, REFER TO EARTHWORK SPECIFICATIONS. |
| | 3. REMOVE EXISTING CONCRETE PAVING AND BASE ROCK. WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN. |
| | 4. REMOVE EXISTING CONCRETE CURB, MOWBAND, APRON OR GUTTER AS SHOWN. |
| | 5. REMOVE AND RELOCATE IRRIGATION VALVE. SEE CONSTRUCTION PLAN. |
| | 6. EXISTING POWER/LIGHT POLE TO REMAIN. PROTECT FROM DAMAGE. |
| | 7. EXISTING TREE TO REMAIN AND BE PROTECTED FROM DAMAGE. PROVIDE PROTECTIVE FENCING IF NEEDED. TREES WITHIN 20 FEET OF EQUIPMENT TRAFFIC SHALL BE PROVIDED WITH TEMPORARY 2x4'S STRAPPED VERTICALLY ON TRUNK OF TREE FOR VEHICULAR IMPACT PROTECTION. 2x4'S SHALL BE SPACED WITH NO GREATER THAN A 6" GAP BUT ONLY NEEDED BE PLACED ON THE HALF CIRCUMFERENCE FACING EQUIPMENT TRAFFIC. |
| | 8. EXISTING PIPE GATE TO REMAIN. CLEAN AND PREP FOR PAINT. SEE CONSTRUCTION PLAN. |
| | 9. EXISTING UTILITY BOX/VAULT TO REMAIN. PROTECT FROM DAMAGE. |
| | 10. REMOVE EXISTING CHAIN LINK OR ORNAMENTAL FENCING AND GATES AS SHOWN. REMOVE POST TO INCLUDE CONCRETE FOOTINGS. |
| | 11. REMOVE EXISTING UTILITY BOX. PROTECT UTILITIES. PROVIDE NEW TRAFFIC RATED UTILITY BOX OF SAME SIZE AND APPROPRIATE FOR UTILITY, REFER TO SPECIFICATIONS. SET FLUSH WITH PROPOSED FINISHED GRADE. |
| | 12. REMOVE EXISTING PROTECTION BAR AND SHIFT DOWN 1 MOUNTING POSITION AND RE-INSTALL. DRILL HOLES AND PROVIDE NEW HARDWARE AS NEEDED. |

DSA

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

OWNER:
Sacramento City Unified School District
Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

CONSULTANT:

STAMP:
ANTHONY J. TASSANO
REGISTERED PROFESSIONAL ENGINEER
NO. C7486
STATE OF CALIFORNIA
8/11/2023

Sutterville Elementary 2023 Fencing

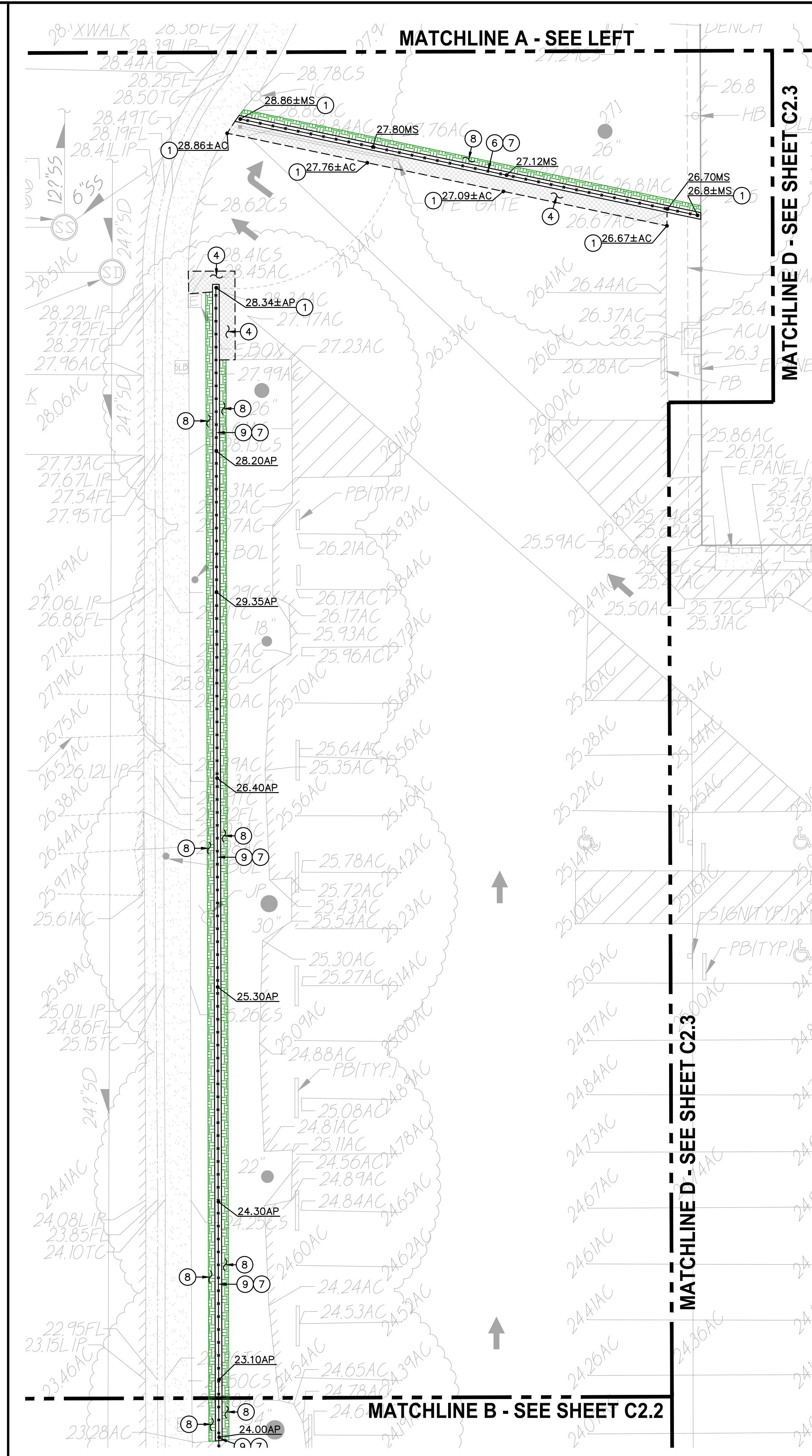
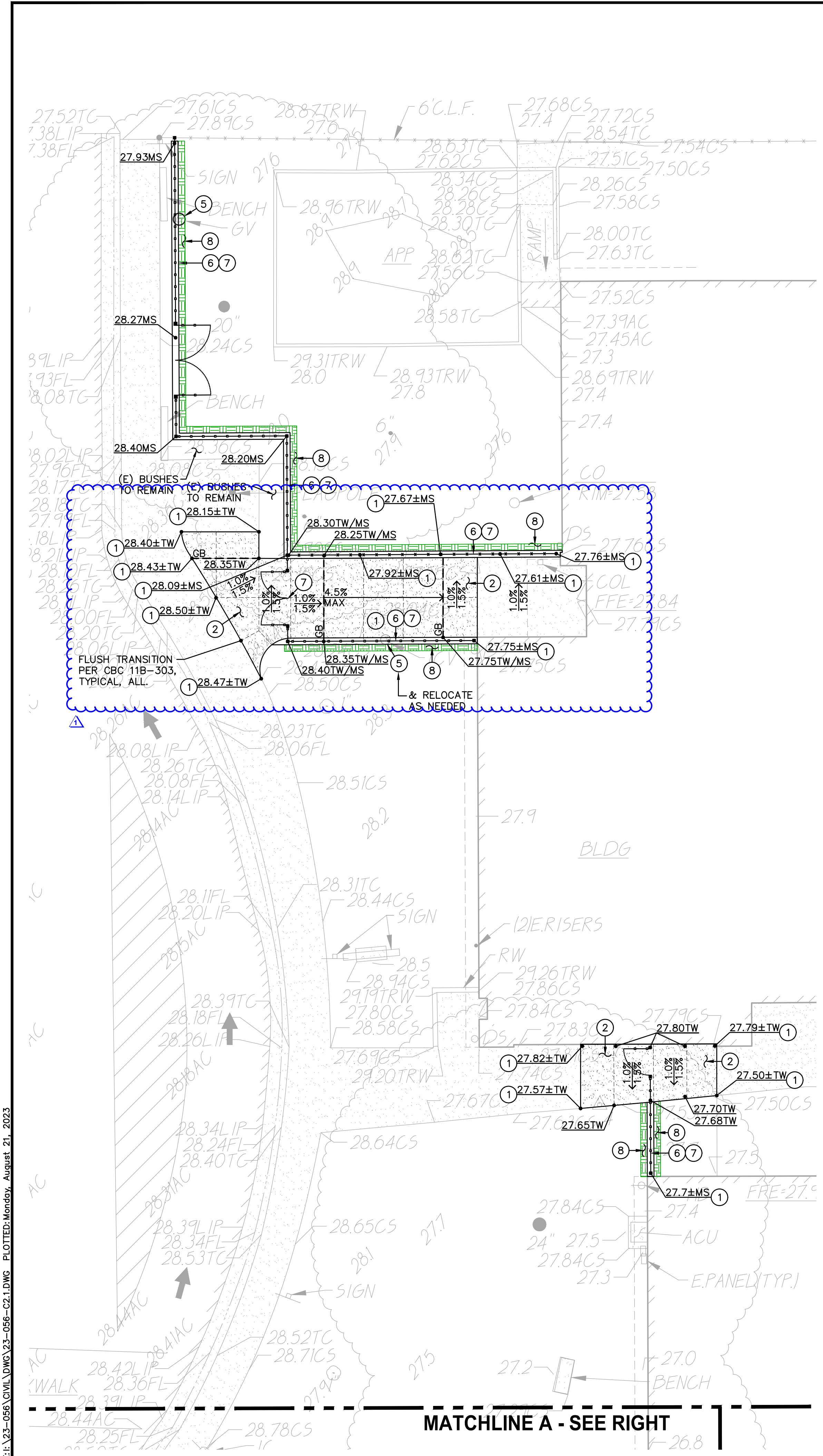
4967 Monterey Way
Sacramento, CA 95822

REVISIONS	
NO.	DESCRIPTION
▲	ADDENDUM NO.1

DRAWN: SMN	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-056
DESIGNED: SMN/AT	DATE: 4/24/2023
ISSUANCE:	

SHEET TITLE:
DEMOLITION PLAN

SHEET NO.
C1.1



LEGEND

CONSTRUCTION NOTES
NOT ALL NOTES MAY BE USED ON THIS SHEET

- MATCH EXISTING GRADE/ELEVATION. WHEN MATCHING NEW SLABS TO EXISTING, DOWEL SLABS PER THE DETAIL PROVIDED AT 24" O.C. (1 C4.1)
- PLACE 5" CONCRETE PAVING OVER 6" CLASS II AB ON PREPARED AND COMPACTED SUBGRADE. PROVIDE #4 REBAR AT 24" O.C.E.W. PER THE TYPICAL DETAILS PROVIDED. REFER TO SPECIFICATIONS SECTION 31 00 00 FOR SUBGRADE PREPARATION, SECTION 32 16 00 FOR CONCRETE PAVING. (1 C4.1, 2 C4.1, 5 C4.1)
- MATCH NEW CONCRETE FLATWORK ELEVATION TO DOORWAY THRESHOLD PER THE ARCHITECTURAL THRESHOLD DETAILS. TRANSITION SHALL NOT EXCEED 1/4", OR 1/2" WITH APPROPRIATE TAPER PER CBC, 11B-303, CURRENT EDITION.
- PLACE 3" ASPHALT PAVING OVER 12" CLASS II AB ON COMPACTED SUBGRADE. REFER TO SPECIFICATIONS SECTION 32 12 00 FOR MATERIALS AND CONSTRUCTION. REFER TO SECTION 31 00 00 FOR SUBGRADE PREPARATION.
- REMOVE EXISTING UTILITY BOX AND INSTALL NEW TRAFFIC RATED UTILITY BOX OF SAME SIZE AND APPROPRIATE FOR UTILITY. SET NEW BOX FLUSH WITH PROPOSED FINISHED GRADE. WHEN IN NEW CONCRETE AREAS, ALIGN WITH NEW JOINT PATTERNS WHEN POSSIBLE.
- CONSTRUCT 12" WIDE CONCRETE APRON AT NEW FENCING PER THE DETAIL PROVIDED. (8 C4.1)
- SEE FENCING PLAN, SHEET C3.1 FOR NEW FENCING.
- PATCH AND REPAIR EXISTING LANDSCAPING AND IRRIGATION ALONG EDGE OF NEW WORK. RELOCATE AND ADJUST EXISTING HEADS AS NEEDED TO MAINTAIN COVERAGE. REPLACE ALL BROKEN HEADS RELOCATED. TAPER ALL GRADING AWAY FROM NEW CURBS AND APRONS AND SET GRADES BELOW APRONS, CURBS AND WALKS TO ALLOW FOR LAWN AND OTHER PLANTING PATCH BACK PER THE DETAILS PROVIDED. PROVIDE NEW SOD IN LAWN AREAS. (2 C4.1)
- CONSTRUCT 12" WIDE RAISED CONCRETE APRON AT NEW FENCING PER THE DETAIL PROVIDED. (9 C4.1)

Surface Repair Note:
Regardless if shown or not, all existing improvements and landscaping cut, removed or damaged by the installation of new work shall be repaired. This is especially true along edges of new work. Contractor shall repair landscaping, and irrigation as needed to maintain system operation. Lawn shall be repaired with sod in well maintained lawn areas. Sparse lawn areas may be repaired with hydro/drilled seeding.

GRAPHIC SCALE
10' 0 5' 10' 20'
(IN FEET) 1 inch = 10 feet

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

DSA

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

OWNER:
Sacramento City Unified School District
Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

CONSULTANT:
ANTHONY J. TASSANO
REGISTERED PROFESSIONAL ENGINEER
NO. 47886
STATE OF CALIFORNIA
8/21/2023

STAMP:

Sutterville Elementary 2023 Fencing
4967 Monterey Way
Sacramento, CA 95822

REVISIONS	
NO.	DESCRIPTION
1	ADDENDUM NO.1

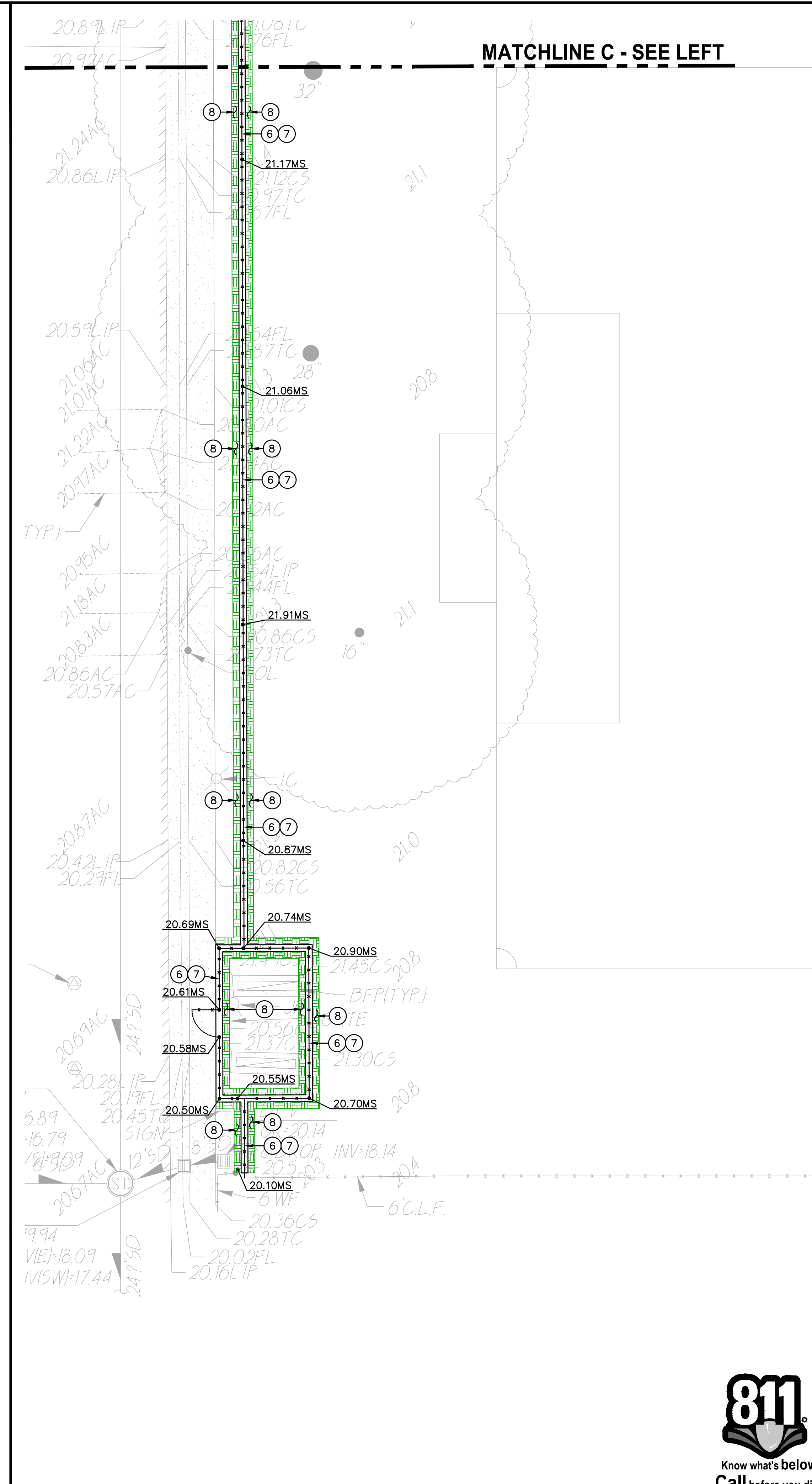
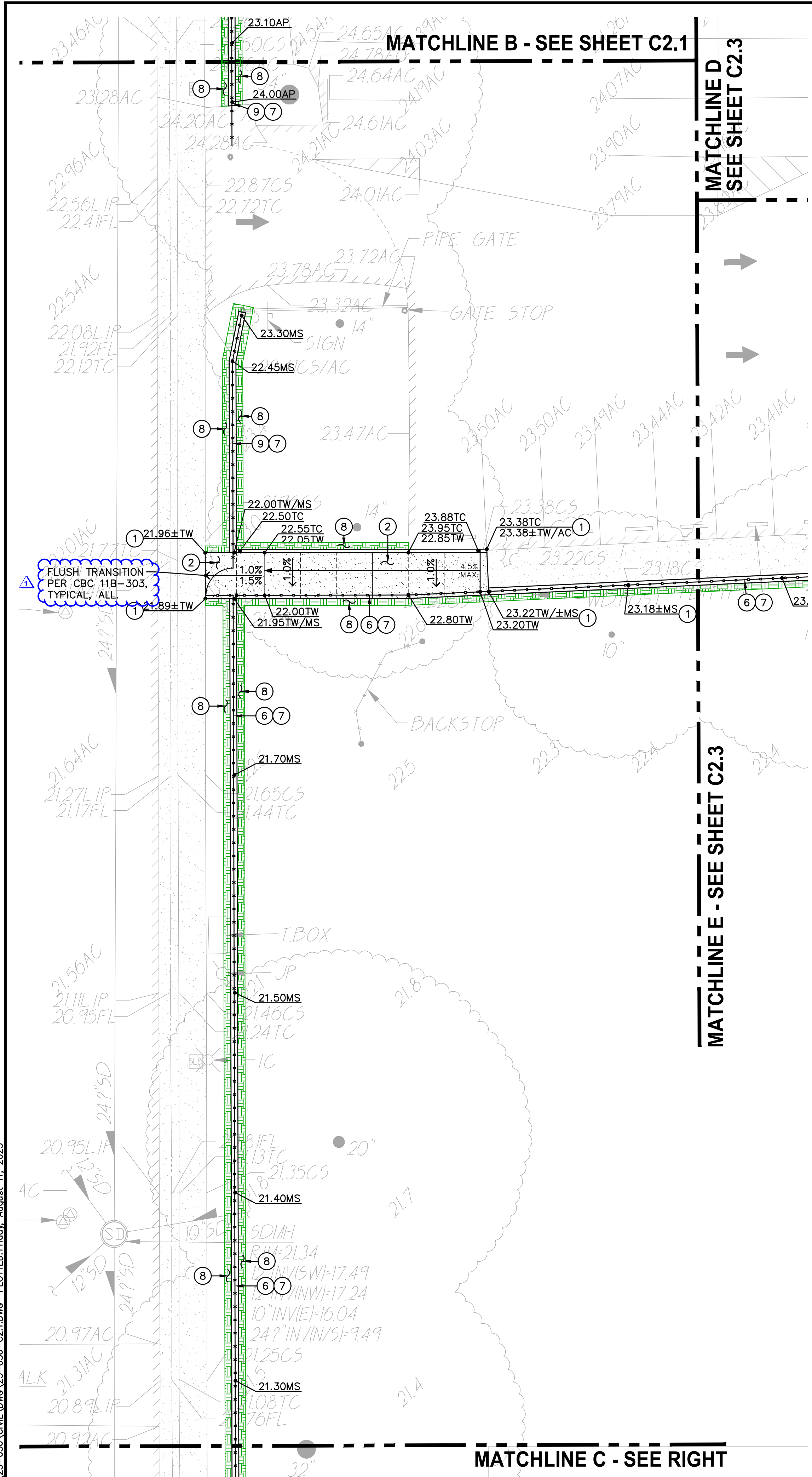
DRAWN: SMN	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-056
DESIGNED: SMN/AT	DATE: 4/24/2023

ISSUANCE:

SHEET TITLE:
GRADING AND CONSTRUCTION PLAN

SHEET NO.
C2.1

FILENAME: I:\23-056\Civil\DWG\23-056-C2.1.DWG PLOTTED: Monday, August 21, 2023



- LEGEND**
- 1. MATCH EXISTING GRADE/ELEVATION. WHEN MATCHING NEW SLABS TO EXISTING, DOWEL SLABS PER THE DETAIL PROVIDED AT 24" O.C. (1 C4.1)
 - 2. PLACE 5" CONCRETE PAVING OVER 6" CLASS II AB ON PREPARED AND COMPACTED SUBGRADE. PROVIDE #4 REBAR AT 24" O.C.E.W. PER THE TYPICAL DETAILS PROVIDED. REFER TO SPECIFICATIONS SECTION 31 00 00 FOR SUBGRADE PREPARATION, SECTION 32 16 00 FOR CONCRETE PAVING. (1 C4.1, 2 C4.1, 5 C4.1)
 - 3. MATCH NEW CONCRETE FLATWORK ELEVATION TO DOORWAY THRESHOLD PER THE ARCHITECTURAL THRESHOLD DETAILS. TRANSITION SHALL NOT EXCEED 1/4", OR 1/2" WITH APPROPRIATE TAPER PER CBC, 11B-303, CURRENT EDITION.
 - 4. PLACE 3" ASPHALT PAVING OVER 12" CLASS II AB ON COMPACTED SUBGRADE. REFER TO SPECIFICATIONS SECTION 32 12 00 FOR MATERIALS AND CONSTRUCTION. REFER TO SECTION 31 00 00 FOR SUBGRADE PREPARATION.
 - 5. REMOVE EXISTING UTILITY BOX AND INSTALL NEW TRAFFIC RATED UTILITY BOX OF SAME SIZE AND APPROPRIATE FOR UTILITY. SET NEW BOX FLUSH WITH PROPOSED FINISHED GRADE. WHEN IN NEW CONCRETE AREAS, ALIGN WITH NEW JOINT PATTERNS WHEN POSSIBLE.
 - 6. CONSTRUCT 12" WIDE CONCRETE APRON AT NEW FENCING PER THE DETAIL PROVIDED. (8 C4.1)
 - 7. SEE FENCING PLAN, SHEET C3.1 FOR NEW FENCING.
 - 8. PATCH AND REPAIR EXISTING LANDSCAPING AND IRRIGATION ALONG EDGE OF NEW WORK. RELOCATE AND ADJUST EXISTING HEADS AS NEEDED TO MAINTAIN COVERAGE. REPLACE ALL BROKEN HEADS RELOCATED. TAPER ALL GRADING AWAY FROM NEW CURBS AND APRONS AND SET GRADES BELOW APRONS, CURBS AND WALKS TO ALLOW FOR LAWN AND OTHER PLANTING PATCH BACK PER THE DETAILS PROVIDED. PROVIDE NEW SOD IN LAWN AREAS. (2 C4.1)

OWNER:

 Sacramento City Unified School District
 5735 47th Avenue
 Sacramento, CA 95824-4528

CONSULTANT:

STAMP:

Sutterville Elementary
 2023 Fencing

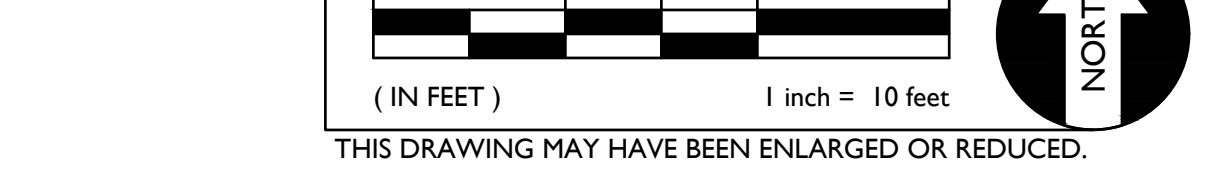
4967 Monterey Way
 Sacramento, CA 95822

REVISIONS	
NO.	DESCRIPTION
1	ADDENDUM NO. 1

DRAWN: SMN	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-056
DESIGNED: SMN/AT	DATE: 4/24/2023

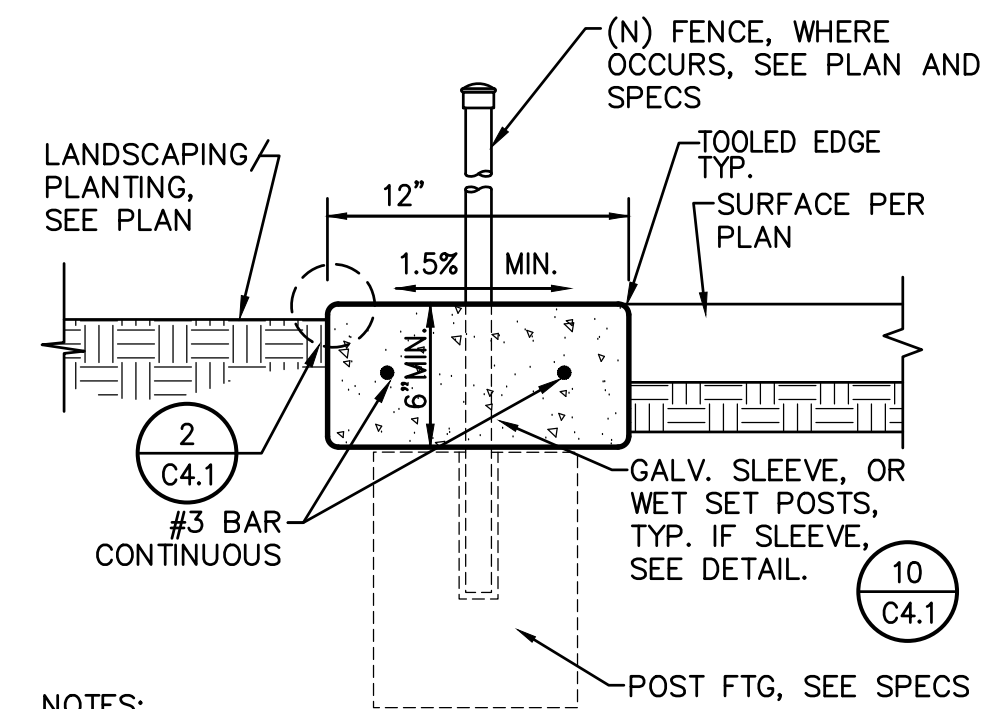
SHEET TITLE:
GRADING AND CONSTRUCTION PLAN

SHEET NO.
C2.2



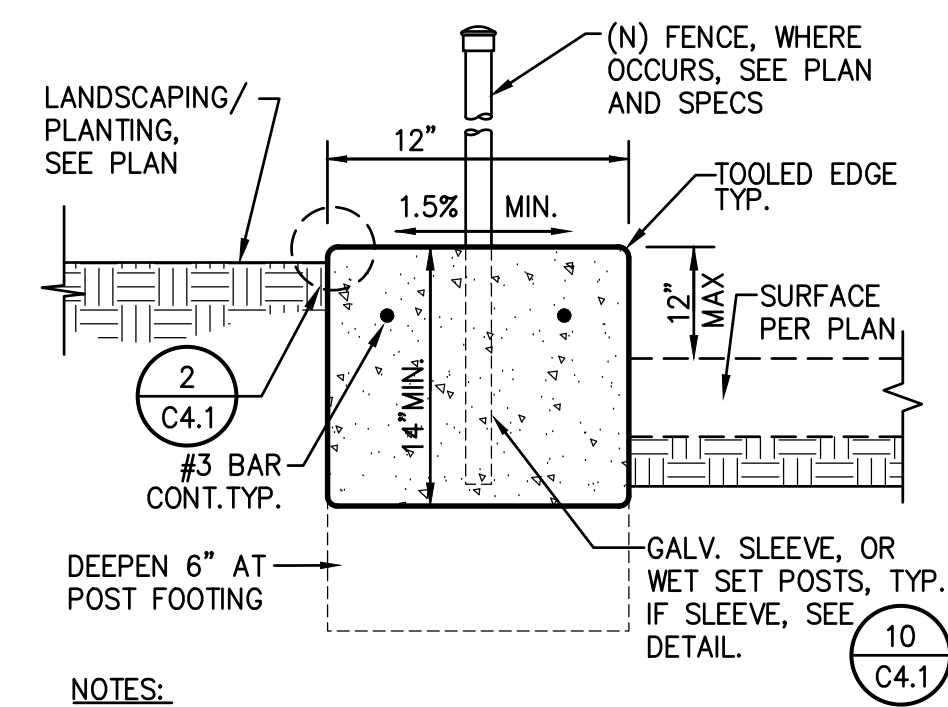
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FILENAME: I:\23-056-CIVIL\DWG\23-056-C4.1.DWG PLOTTED: Sunday, August 13, 2023



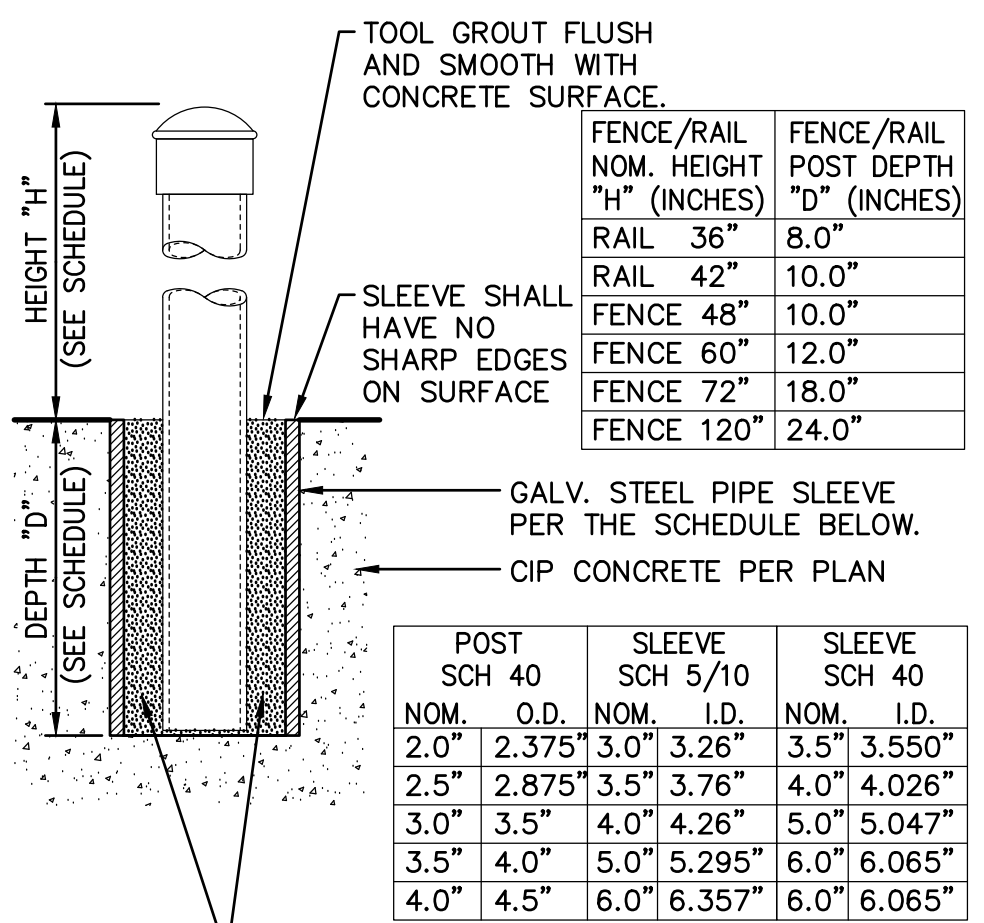
- NOTES:
- WHERE NO FENCING, PROVIDE CONTROL JOINT EVERY 10 FEET, EXPANSION JOINT EVERY 30 FEET, TYP. WHERE FENCING EXISTS, PROVIDE TOOLED JOINT EVERY POST, EXPANSION EVERY 3RD POST.
 - CONCRETE APRON THICKNESS MAY COUNT FOR POST FOOTING TOTAL DEPTH BUT MUST BE PLACED BEFORE FABRIC OR PANEL INSTALLATION.

8 CONCRETE APRON
C4.1 NO SCALE



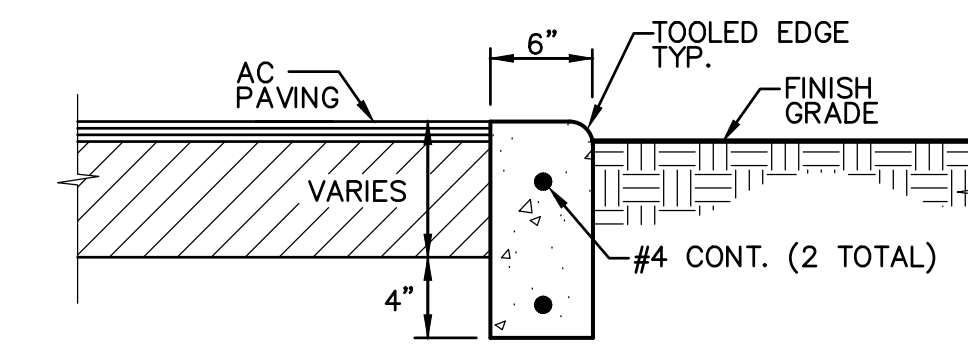
- NOTES:
- WHERE NO FENCING, PROVIDE CONTROL JOINT EVERY 10 FEET, EXPANSION JOINT EVERY 30 FEET, TYP. WHERE FENCING EXISTS, PROVIDE TOOLED JOINT EVERY POST, EXPANSION EVERY 3RD POST.
 - CONCRETE APRON THICKNESS MAY COUNT FOR POST FOOTING TOTAL DEPTH BUT MUST BE PLACED BEFORE FABRIC OR PANEL INSTALLATION.

9 RAISED FENCE APRON
C4.1 NO SCALE



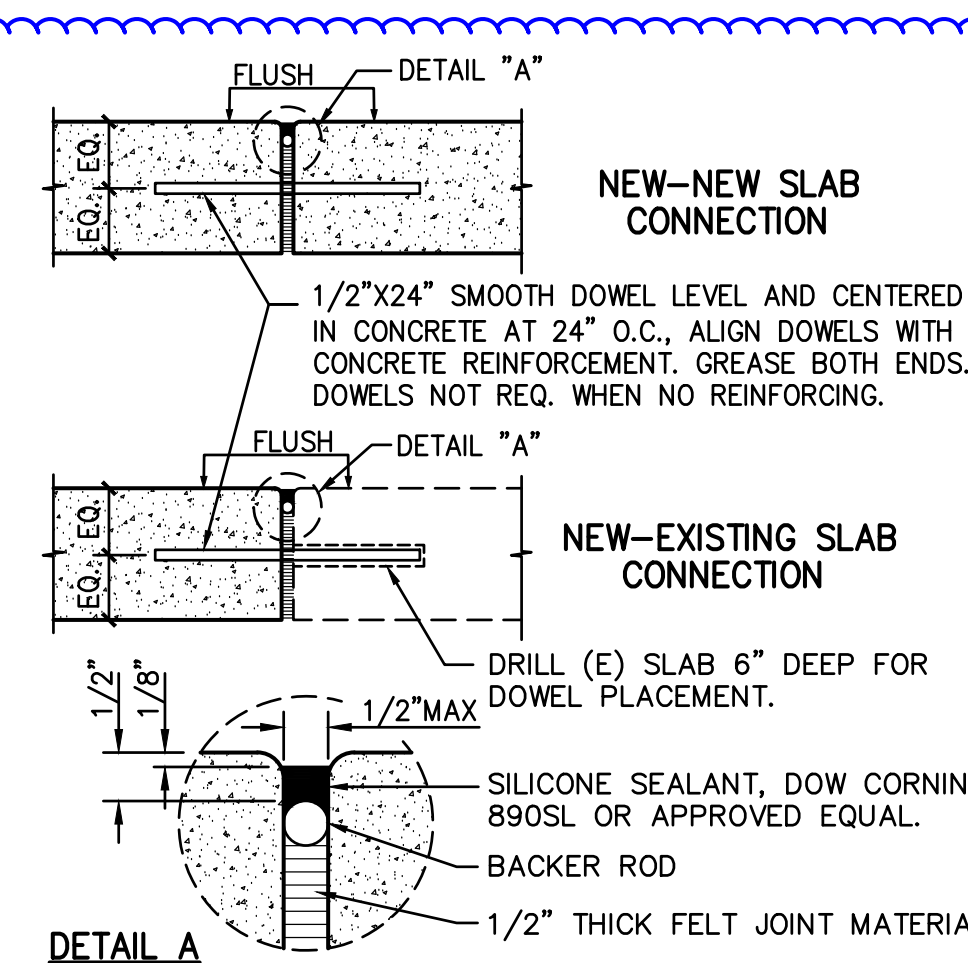
- NON-SHRINK GROUT, ANCHORING CEMENT OR TYPE F MORTAR, ACCEPTABLE AS FOLLOWS:
- SAKRETE NON-SHRINK PRECISION GROUT.
 - W.R. MEADOWS SPEED-E-ROC.
 - QUICKRETE NON-SHRINK PRECISION GROUT
 - DAYTON SUPERIOR, ANCHOR-ALL
 - APPROVED EQUAL.

10 POST SLEEVE DETAIL
C4.1 NO SCALE



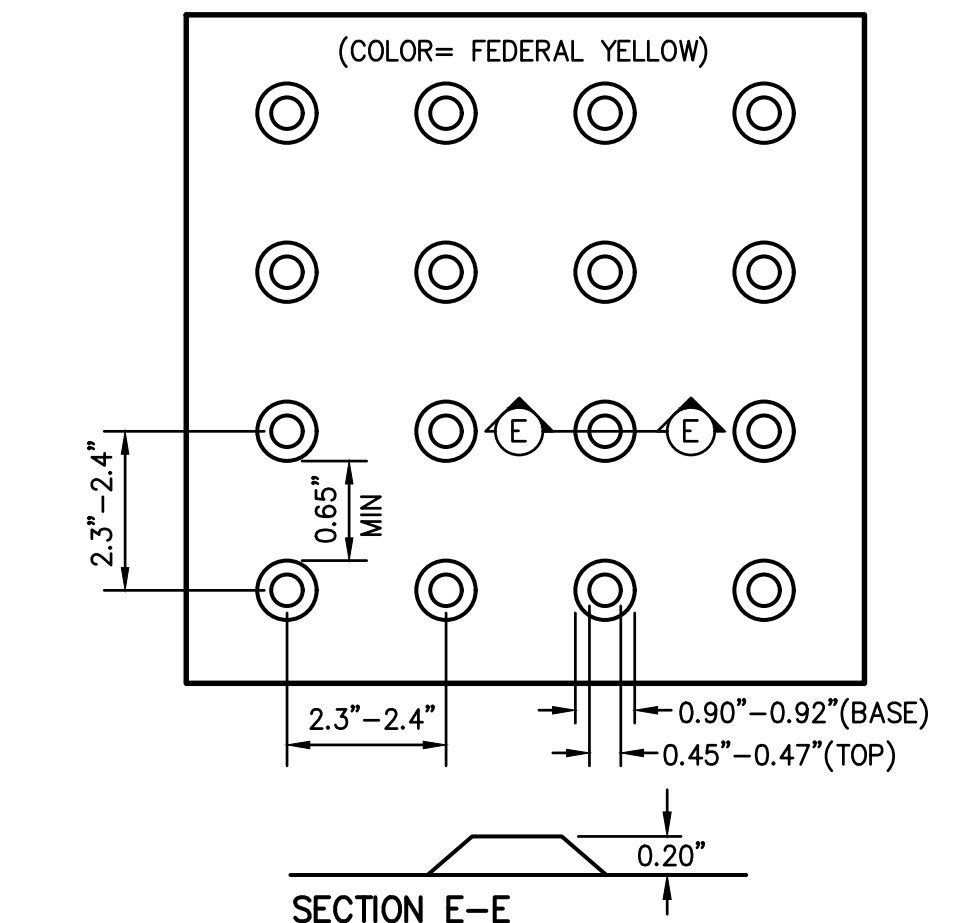
- NOTES:
- PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
 - AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

4 FLUSH CONCRETE CURB
C4.1 NO SCALE

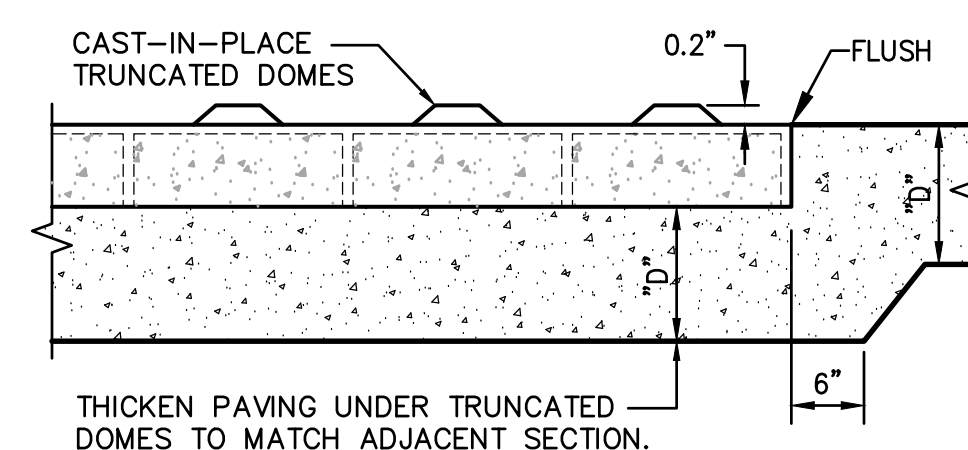


5 EXPANSION JOINT
C4.1 NO SCALE

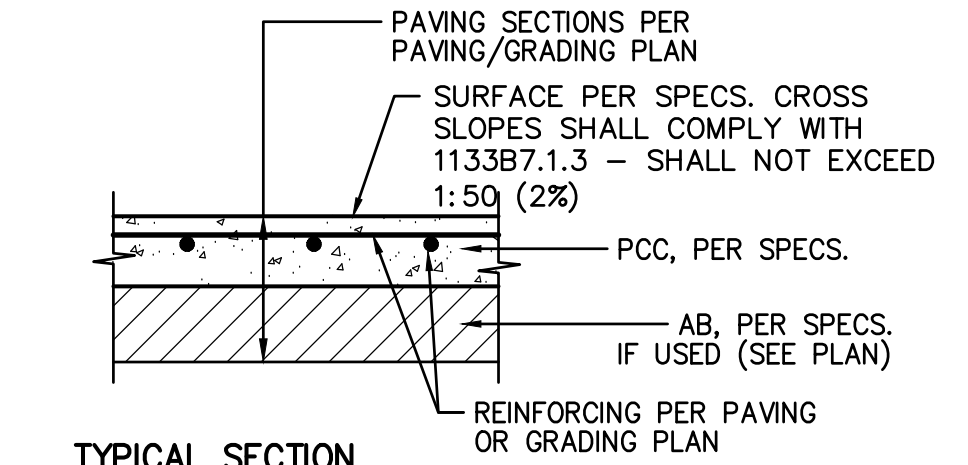
NOTE: DOMES SHALL BE 36" MIN. LONG IN DIRECTION OF TRAVEL AND COVER THE FULL WITH THE ASSOCIATED PATHWAY.



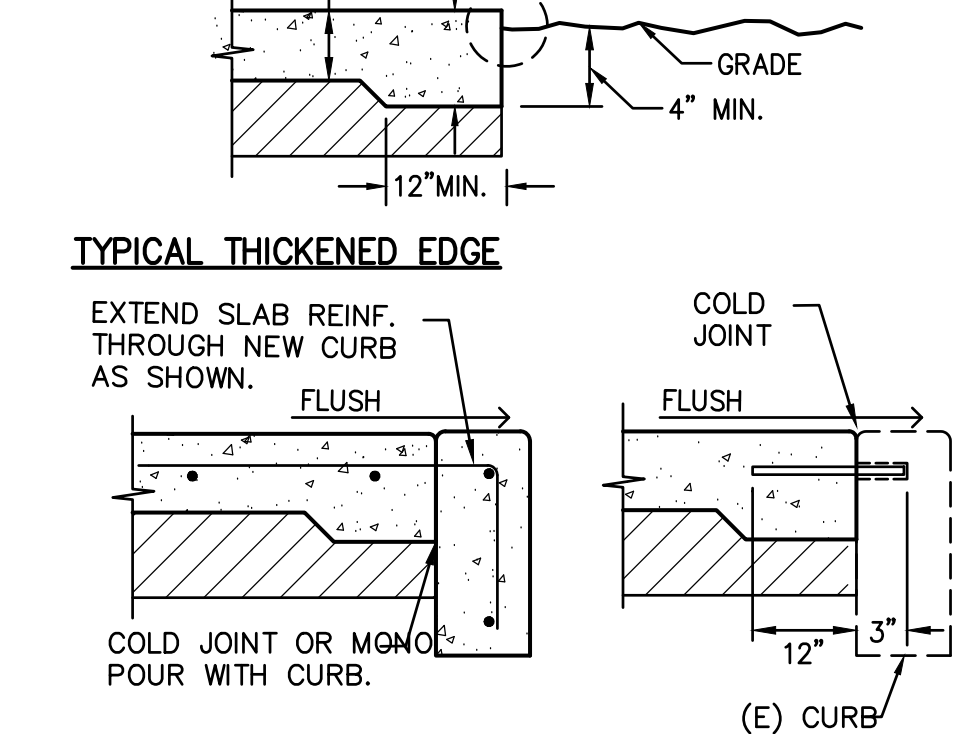
6 TRUNCATED DOMES
C4.1 TYPICAL PATTERN NO SCALE



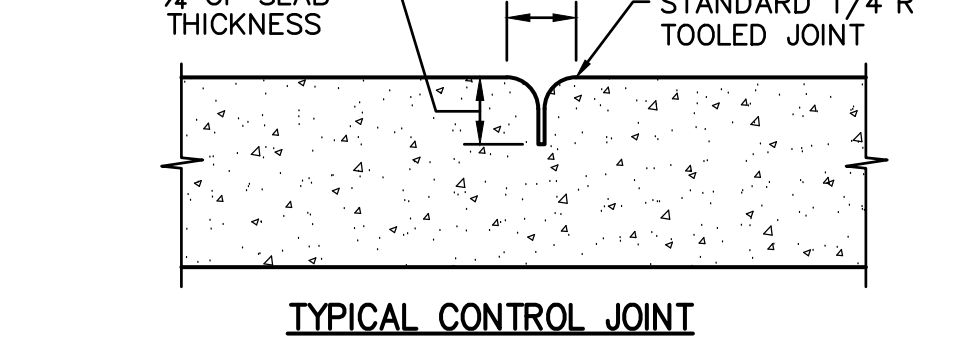
7 SLAB AT TRUNCATED DOMES
C4.1 NO SCALE



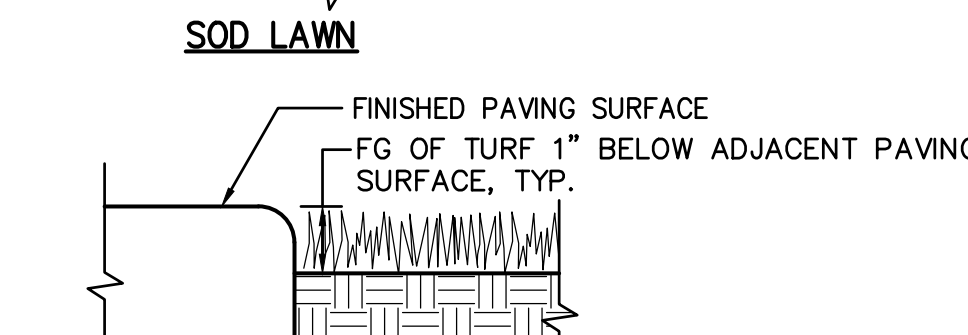
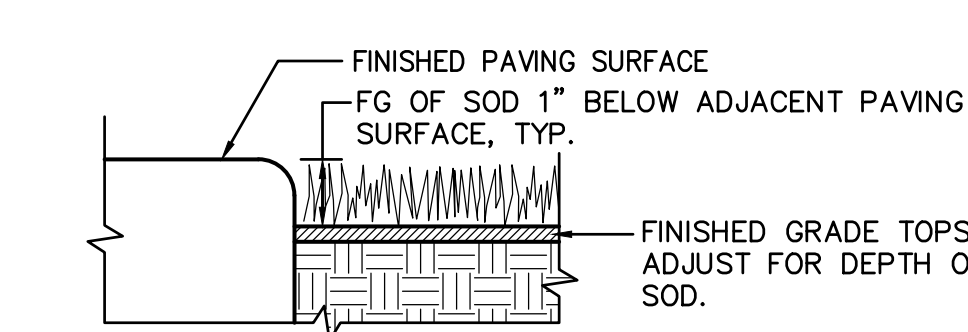
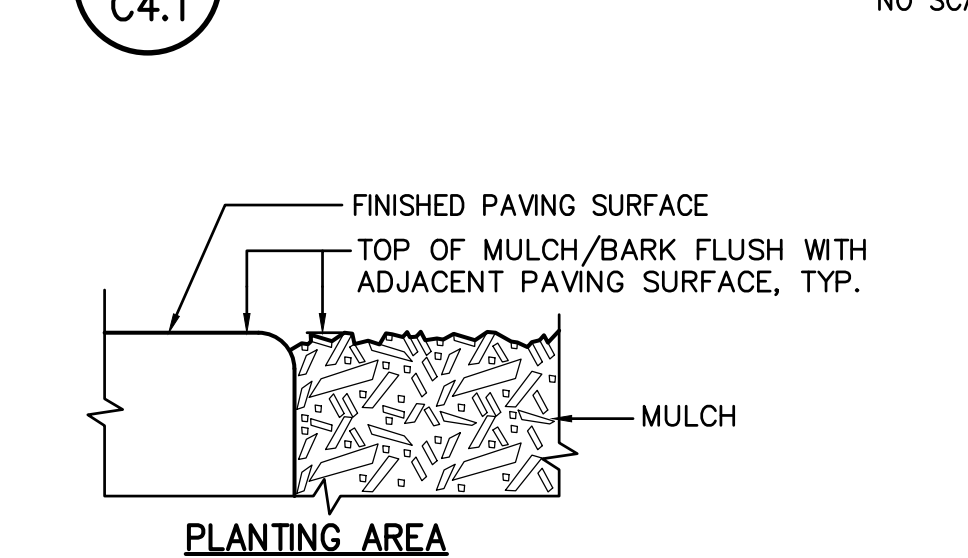
1 CONCRETE SIDEWALK
C4.1 NO SCALE



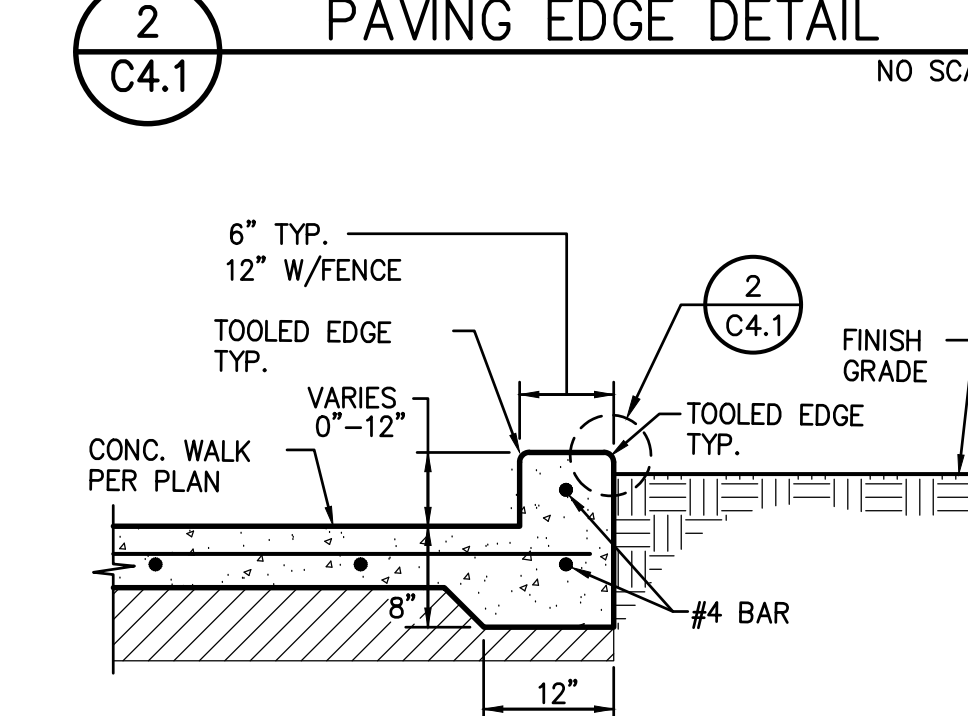
2 PAVING EDGE DETAIL
C4.1 NO SCALE



3 WALKWAY EDGE CURB
C4.1 NO SCALE



2 PAVING EDGE DETAIL
C4.1 NO SCALE



3 WALKWAY EDGE CURB
C4.1 NO SCALE

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

WCE

Sacramento City Unified School District
Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

CONSULTANT:

STAMP:
REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74698
STATE OF CALIFORNIA
8/13/2023

Sutterville Elementary 2023 Fencing
4967 Monterey Way
Sacramento, CA 95822

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NO.	DESCRIPTION
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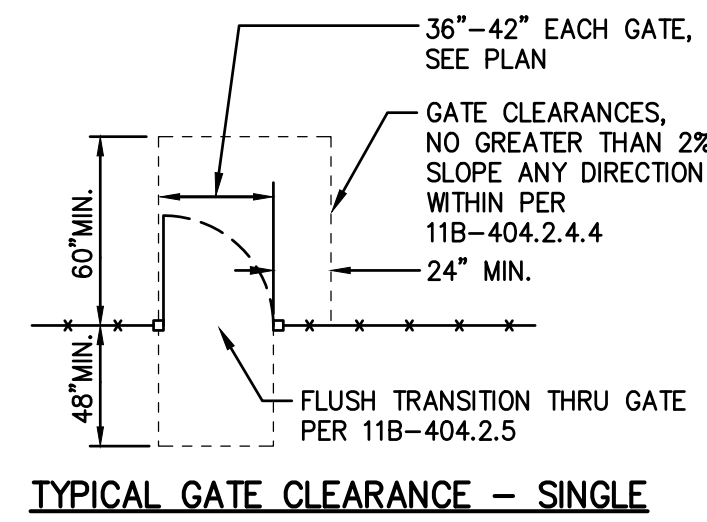
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CHECKED:	AT	PROJECT NO.	23-056
DESIGNED:	SMN/AT	DATE:	4/24/2023

ISSUANCE:

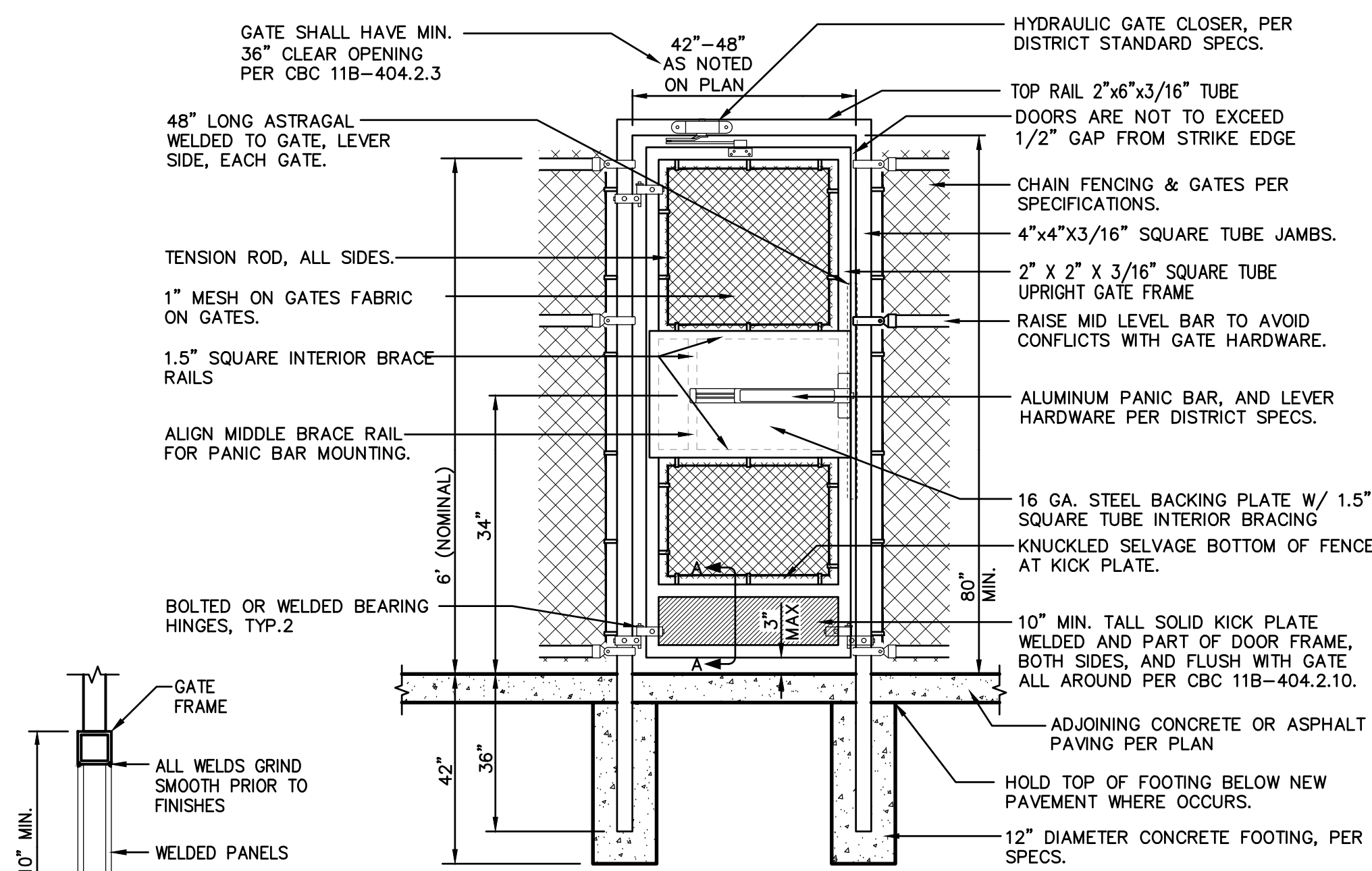
SHEET TITLE:

DETAILS AND SECTIONS

SHEET NO.
C4.1



TYPICAL GATE CLEARANCE - SINGLE

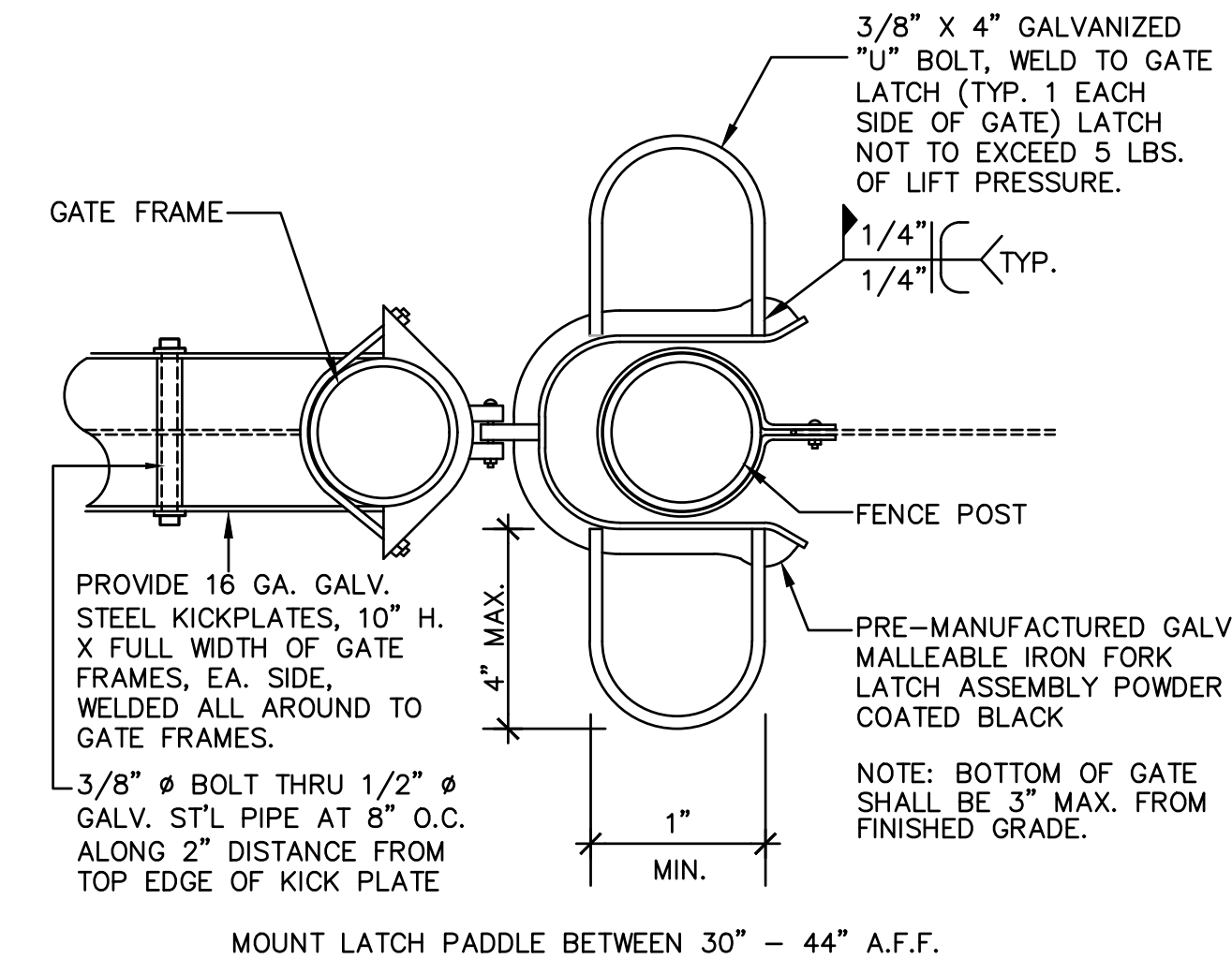


SECTION A-A

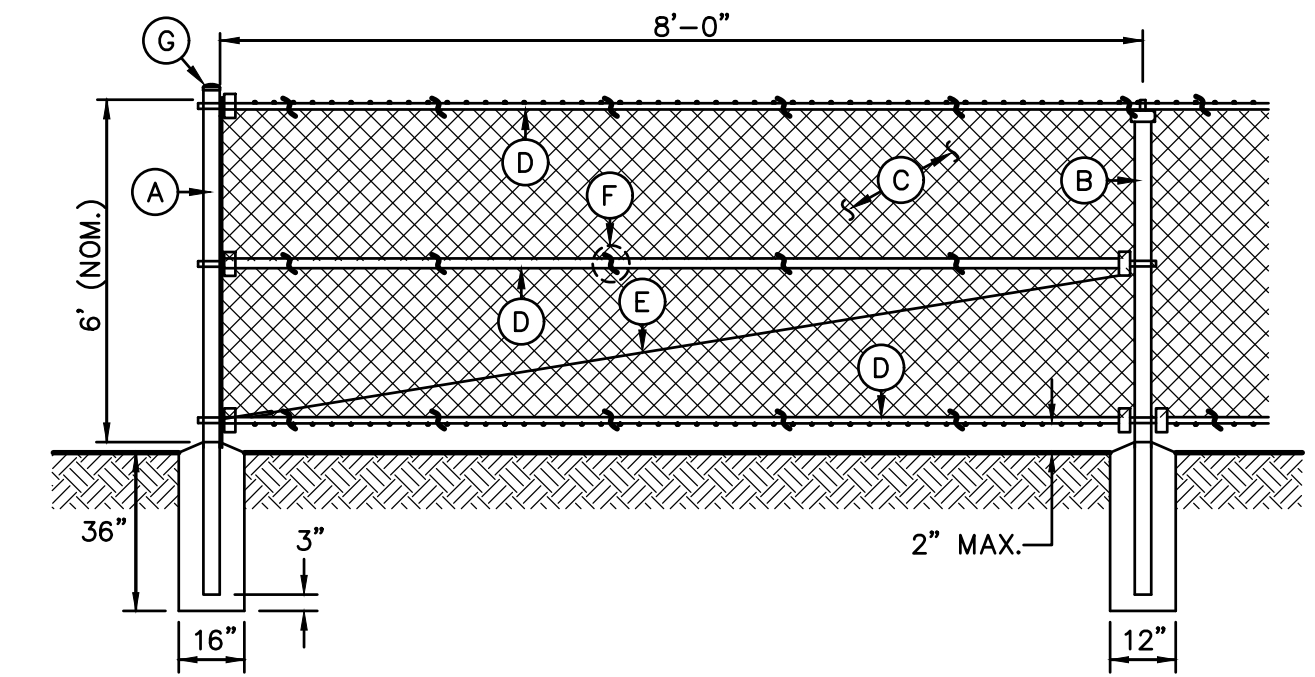
- NOTES:
- METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
 - FOOTING WIDTH TO BE (4)X POST WIDTH.
 - ALL GATES SHALL BE WELDED AND POWDER COATED TO MATCH PANELS.
 - GATE AND FRAME TO BE FABRICATED OFF SITE BY THIRD PARTY. SEE SPECIFICATIONS.
 - PROVIDE CONTINUOUS WELDS, GRIND AND SAND SMOOTH PRIOR TO POWDER COATING.

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

Note: All gates shall have a closing speed (per CBC 11B-404.2.8) and opening force (CBC 11B404.2.9). Closers and bearing hinges are important to achieve this criteria.



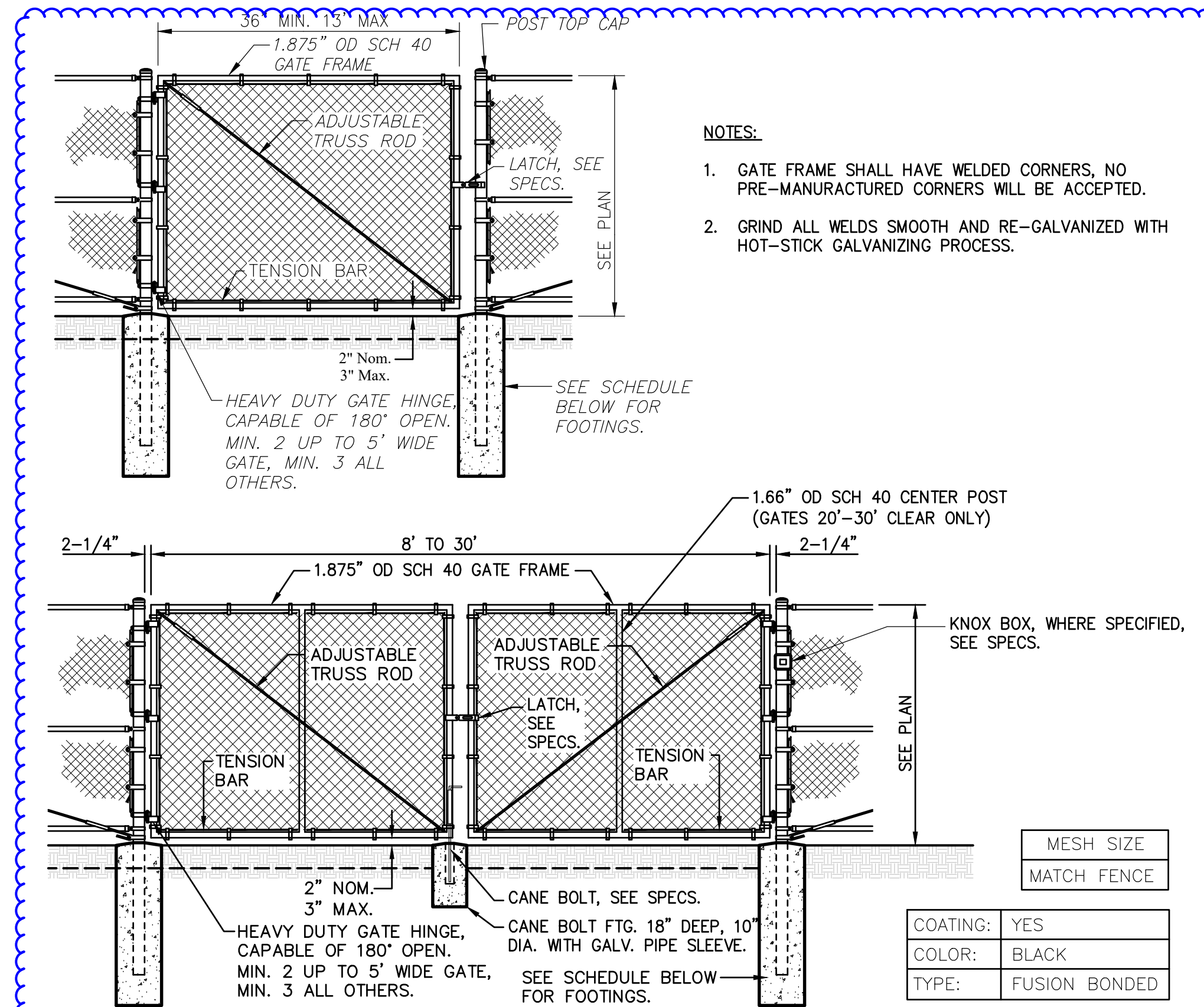
GATE LATCH



6' TALL CHAIN LINK FENCING

- A - TERMINAL/CORNER - 4.0"OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK.
 B - LINE POST - 2.875"OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK.
 C - 9 GA. CHAIN LINK FENCE, BLACK VINYL MESH PER PLAN.
 TYPE A - 1.75" MESH - GALV. FINISH.
 TYPE B - 1.0" MESH - BLACK VINYL COATING
 TYPE C - 2.0" MESH - BLACK VINYL COATING
 TYPE D - 3.5"x5" DIAMOND MESH WITH PRIVACY SLATS
 D - 1.66" OD SCH. 40 GALV. STEEL RAILS, POWDER COATED BLACK. TOP AND BOTTOM ALL SECTIONS, MID AT ALL CORNER AND TERMINAL POSTS.
 E - 3/8" OD ADJUSTABLE INDUSTRIAL TRUSS ROD, POWDER COATED BLACK.
 F - 9 GA. GALVANIZED STEEL TIES AT 12" OC HORIZ. AND VERT.
 G - ALL CAPS AND FITTINGS HEAVY INDUSTRIAL GALV. GRADE, POWDER COATED BLACK.

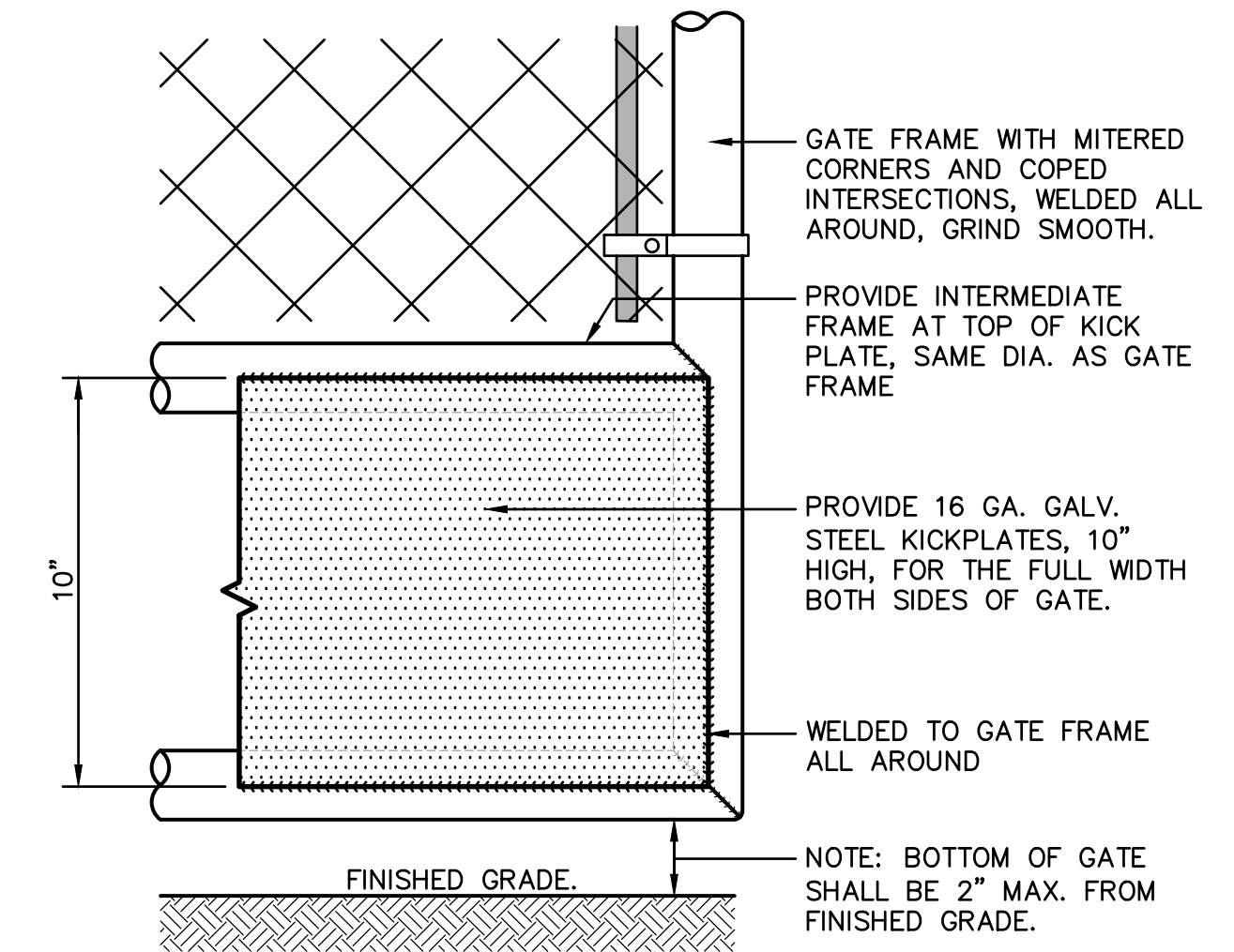
6 C4.3 TYPICAL CHAIN LINK ACCESSIBLE GATE - SINGLE SWING NO SCALE



- NOTES:
- GATE FRAME SHALL HAVE WELDED CORNERS, NO PRE-MANUFACTURED CORNERS WILL BE ACCEPTED.
 - GRIND ALL WELDS SMOOTH AND RE-GALVANIZED WITH HOT-STICK GALVANIZING PROCESS.

FENCES TO 9' HEIGHT					FENCES TO 10'-12' HEIGHT				
POST DIA.	GATE LEAF	POST EMBED	DEPTH	DIA. (MIN)	POST DIA.	GATE LEAF	POST EMBED	DEPTH	DIA. (MIN)
4.0" OD	2'-4"	30"	36"	16"	4.0" OD	2'-4"	30"	42"	16"
4.0" OD	4.1'-9"	36"	42"	18"	4.0" OD	4.1'-9"	42"	48"	18"
4.0" OD	9.1'-12.5'	42"	48"	18"	6.0" OD	9.1'-12.5'	42"	48"	24"
6.0" OD	12.6'-18"	42"	48"	24"	6.0" OD	12.6'-18"	48"	54"	24"

5 C4.3 TYPICAL CHAIN LINK MAINTENANCE / VEHICULAR GATE NON-ACCESSIBLE VEHICULAR GATES ONLY NO SCALE



2 C4.3 ACCESSIBLE KICKPLATE NO SCALE

3 C4.3 NOT USED NO SCALE

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

Sacramento City Unified School District
 5735 47th Avenue
 Sacramento, CA 95824-4528

REGISTERED PROFESSIONAL ENGINEER
 ANTHONY J. TASSANO
 No. C74698
 STATE OF CALIFORNIA
 8/11/2023

Sutterville Elementary
 2023 Fencing
 4967 Monterey Way
 Sacramento, CA 95822

REVISIONS	
NO.	DESCRIPTION
1	ADDENDUM NO.1

DRAWN: SMN	SCALE: AS NOTED
CHECKED: AT	PROJECT NO. 23-056
DESIGNED: SMN/AT	DATE: 4/24/2023

SHEET TITLE:
DETAILS AND SECTIONS

SHEET NO.
C4.3

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 POINT 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	UNDERWRITERS 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
	(E) DATA RACK / CABINET	EXISTING	EXISTING	N/A
	(N) SURFACE MOUNTED JUNCTION BOX	COMMERCIAL	COMMERCIAL	GREY = EXISTING
	(E) SURFACE MOUNTED 4-SQUARE JUNCTION BOX, WALL / CEILING	EXISTING	EXISTING	N/A
	(E) SURFACE RACEWAY - WM5400	EXISTING	EXISTING	N/A
	(N) SURFACE RACEWAY	WIREMOLD	WM2300	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
	ACCESS CONTROL MANAGEMENT EMBEDDED CONTROLLER	AVIGILON	AC-MER-CONT-LP1501	INSTALL AT MDF LOCATION
	ACCESS CONTROL MANAGEMENT EMBEDDED CONTROLLER	AVIGILON	AC-MER-CONT-MR51E	INSTALL AT IDF LOCATION
	CARD READER	AVIGILON	AC-ING-READ-APTIO-SNG-MT15	N/A
	ACCESS CONTROL POWER SUPPLY UNIT W/ BATTERY BACKUP	AVIGILON	AC-LSP-2DR-MER-LCK	INSTALL AT MDF LOCATION
	ELECTRONIC LATCH	VON DUPRIN	6300	N/A
	VIDEO INTERCOM WITH SURFACE MOUNTED BACKBOX	AVIGILON	H4VI-RO1-IR, H4VI-MT-SURF1	N/A
	(N) DATA NETWORK POE SWITCH WITH SFP SINGLE MODE TRANSCEIVER	ANTAIRA	LMP-1002G -10G-SFP	N/A
	(N) POWER SUPPLY	ANTAIRA	SDR-960-48	N/A
	(N) NETWORK VIDEO RECORDER	IPRO	NVR-RL-2-24TB-V4	INSTALL AT MDF LOCATION
	NOT USED	NOT USED	NOT USED	N/A
	RFID CARDS	SCHLAGE	8520	QUANTITY 100. SERIALIZED PER DISTRICT REQUIREMENTS.
	(E) ADMINISTRATIVE DESK PHONE SET	CISCO	EXISTING	PROGRAM SOFT KEY AT (E) PHONE SET FOR GATE UNLOCK

PROJECT CODES AND STANDARDS:

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

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), CCR, TITLE 24, PART 2
- 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:

- FURNISH AND DELIVER (N) VIDEO INTERCOMS AND (N) ELECTRONIC ACCESS CONTROLLERS TO DISTRICT FOR PROGRAMMING.
- PROVIDE AND INSTALL (N) NETWORK VIDEO RECORDER IN MDF. REMOVE (E) NETWORK VIDEO RECORDER AND RETURN TO DISTRICT.
- FURNISH AND INSTALL VIDEO INTERCOM, CARD READER AND ELECTRONIC LATCH ON CENTER GATE MULLION. SEE DETAIL 8/T900 FOR MORE INFORMATION.
- FURNISH AND INSTALL 1" CONDUIT FROM MULLION TO GROUND BOX.
- FURNISH AND INSTALL 12"x12"x4" NEMA 3R J-BOX AND PENETRATE WALL. SEAL WATERTIGHT.
- FURNISH AND INSTALL WIREMOLD 2300 PATHWAY, 2-GANG BOXES, AND PENETRATE WALL INTO EXISTING J-BOX IN ENTRY CORRIDOR.
- FURNISH AND INSTALL CCTV SWITCH AND POWER SUPPLY IN (E) MDF AND IDF CABINET.
- FURNISH AND INSTALL ELECTRONIC ACCESS CONTROLLER AND POWER SUPPLY IN MDF AND IDF. MODIFICATIONS TO ELECTRIC POWER TO BE PERFORMED BY A LICENSED ELECTRICIAN.
- COORDINATE WITH DISTRICT TO PROGRAM ADMIN PHONE SET FOR RINGDOWN FROM VIDEO INTERCOM.

SHEET INDEX:

SHEET NO.	DESCRIPTION
T000	TECHNOLOGY COVER SHEET
T200	TECHNOLOGY FLOOR PLAN - MAIN GATE
T200	TECHNOLOGY FLOOR PLAN - SOUTH MAN GATE
T800	TECHNOLOGY DETAILS

DSA



OWNER:



Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528

CONSULTANT:



STAMP:



Sutterville Elementary
2023 Fencing

4967 Monterey Way
Sacramento, CA 95822

REVISIONS

NO.	DESCRIPTION
1	ADD END USER TO 023-08-14

DRAWN: JG	SCALE: AS NOTED
CHECKED: CS	PROJECT NO. 23-056
DESIGNED: CC	DATE: 4/24/2023

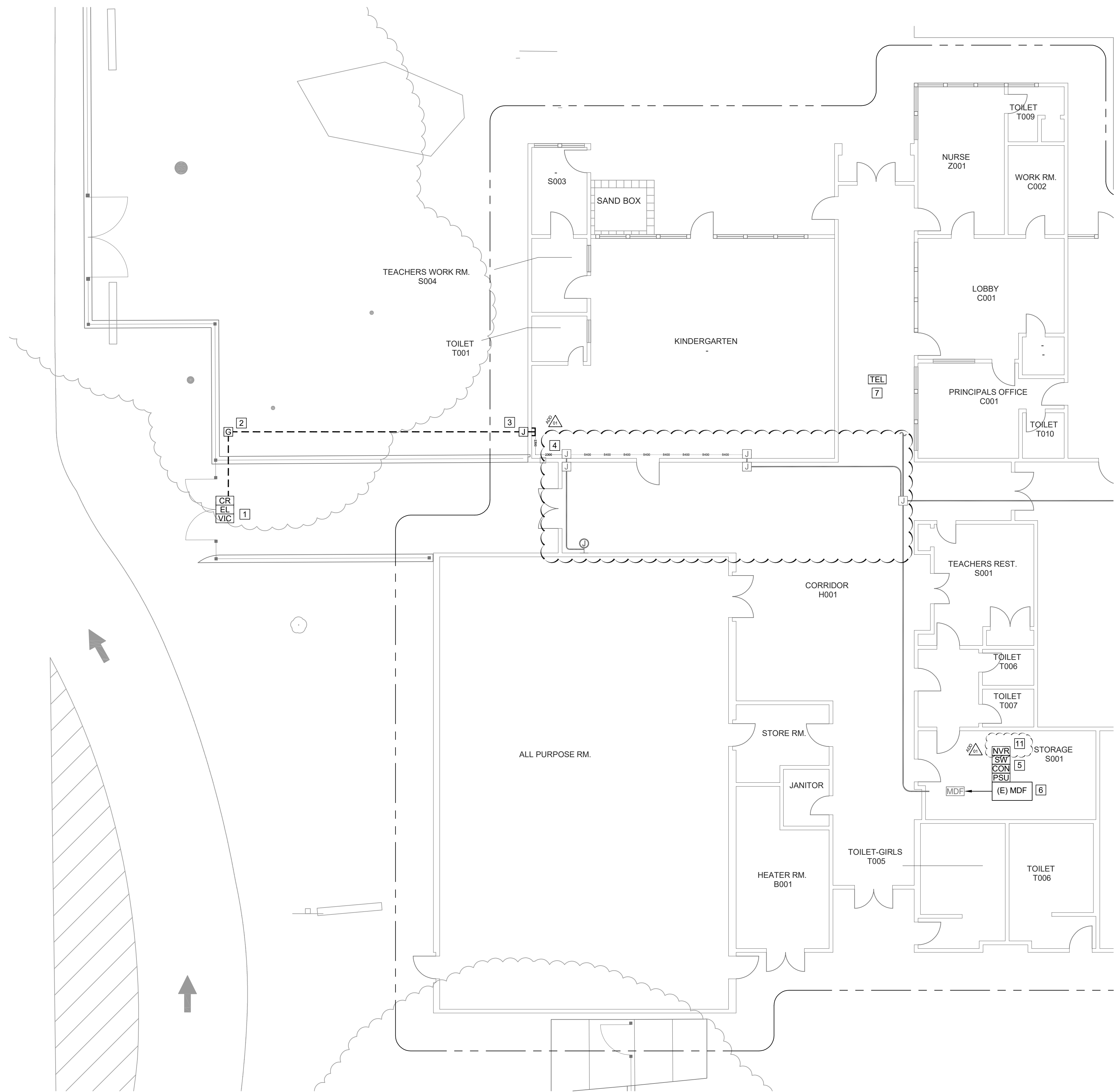
ISSUANCE:

SHEET TITLE:

TECHNOLOGY COVER SHEET

SHEET NO.

T000

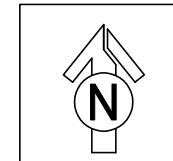


PROJECT GENERAL NOTES:

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

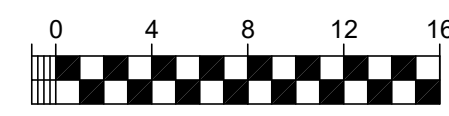
- SHEET NOTES:**
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 - 7 COORDINATE WITH DISTRICT TO PROGRAM ADMIN PHONE SET FOR RINGDOWN FROM VIDEO INTERCOM.
 - 8 FURNISH AND INSTALL 2" CONDUIT AND GROUND BOX.
 - 9 FURNISH AND INSTALL 2 EA. DATA DROPS AT 18" A.F.F., ROUTE TO (E) IDF 1.05.
 - 10 FURNISH AND INSTALL 12"x12"x4" NEMA 3R J-BOX AND PENETRATE THROUGH WALL AT 18" AFF. SEAL WATERTIGHT.
 - 11 FURNISH AND INSTALL (N) NETWORK VIDEO RECORDER IN MDF. REMOVE (E) NETWORK VIDEO RECORDER AND RETURN TO DISTRICT.

FILENAME: L:\23-832-SUTTERVILLE_VC_WCE\4-ACAD\T200-FLOOR-PLAN.DWG PLOTTED: Monday, August 14, 2023



TECHNOLOGY FLOOR PLAN - MAIN GATE

SCALE: 1/8"=1'



DSA



OWNER:
Sacramento City Unified School District
 Sacramento City Unified School District
 5735 47th Avenue
 Sacramento, CA 95824-4528



STAMP:
 REGISTERED PROFESSIONAL ENGINEER
 ANTHONY J. TASSANO
 No. C74696
 CIVIL
 STATE OF CALIFORNIA
 8/14/2023

Sutterville Elementary 2023 Fencing
 4967 Monterey Way
 Sacramento, CA 95822

REVISIONS	
NO.	DESCRIPTION
1	ADD END USER COMMENTS
2	ADD END USER COMMENTS
3	ADD END USER COMMENTS
4	ADD END USER COMMENTS
5	ADD END USER COMMENTS
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11	ADD END USER COMMENTS

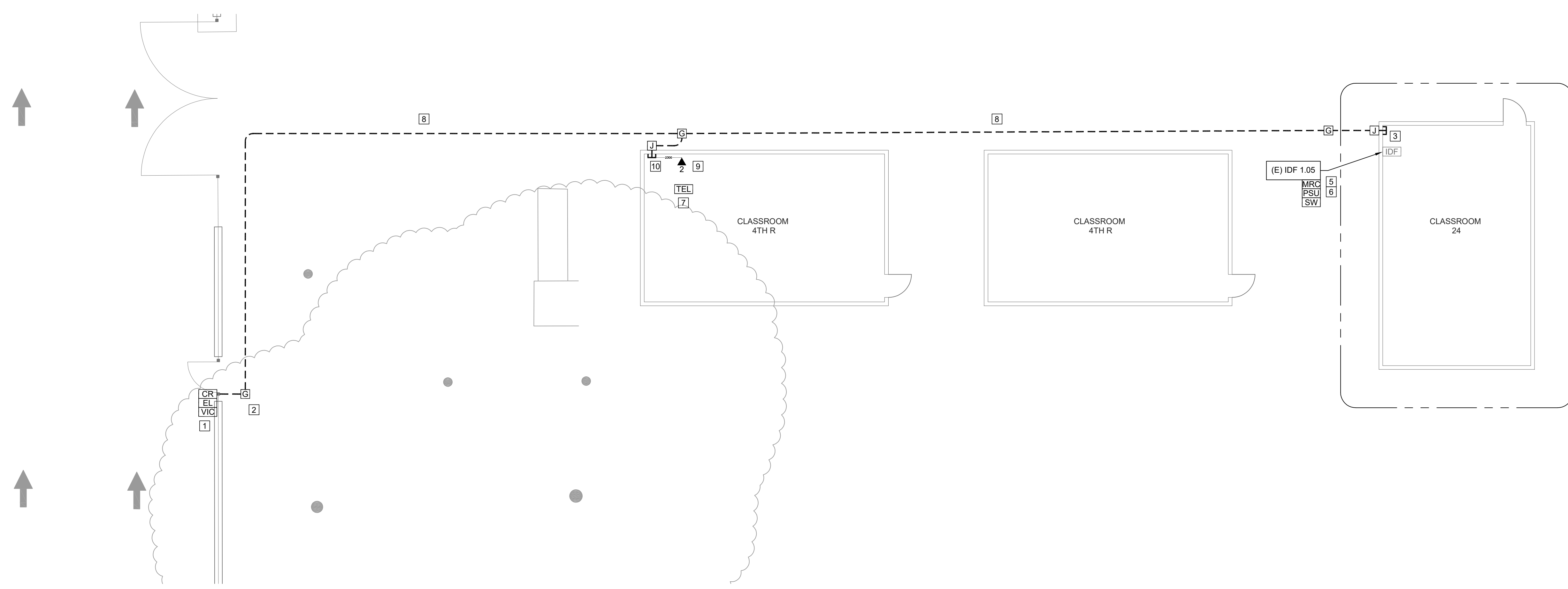
DRAWN:	JG	SCALE:	AS NOTED
CHECKED:	CS	PROJECT NO.	23-056
DESIGNED:	CC	DATE:	4/24/2023

ISSUANCE:

SHEET TITLE:
TECHNOLOGY FLOOR PLAN - MAIN GATE

SHEET NO.
T200

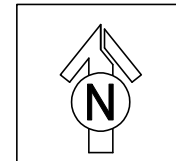
FILENAME: L:\23-832-SUTTERVILLE_VC_WCE\4-ACAD\T200_FLOOR_PLAN.DWG PLOTTED: Monday, August 14, 2023



PROJECT GENERAL NOTES:

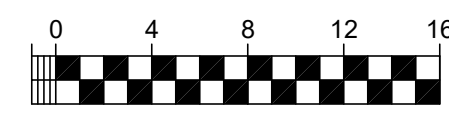
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- SHEET NOTES:**
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 - 11 FURNISH AND INSTALL (N) NETWORK VIDEO RECORDER IN MDF. REMOVE (E) NETWORK VIDEO RECORDER AND RETURN TO DISTRICT.




TECHNOLOGY FLOOR PLAN - SOUTH MAN GATE


SCALE: 1/8"=1'



DSA



OWNER:

 Sacramento City Unified School District
 5735 47th Avenue
 Sacramento, CA 95824-4528

CONSULTANT:

 KMM SERVICES, INC.
 2500 W. GARDEN AVE. SUITE 100
 SACRAMENTO, CA 95824-4528



**Sutterville Elementary
 2023 Fencing**

4967 Monterey Way
 Sacramento, CA 95822

REVISIONS

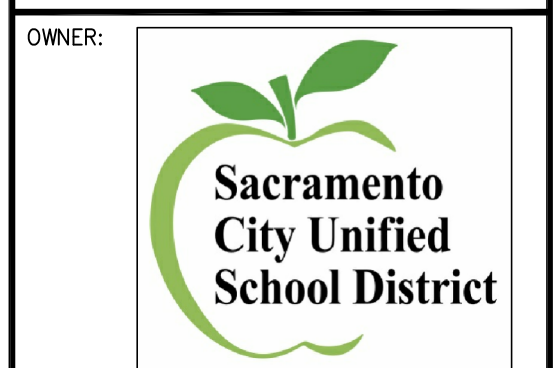
NO.	DESCRIPTION
1	ADD END USER REC 023-08-14

DRAWN: JG	SCALE: AS NOTED
CHECKED: CS	PROJECT NO. 23-056
DESIGNED: CC	DATE: 4/24/2023

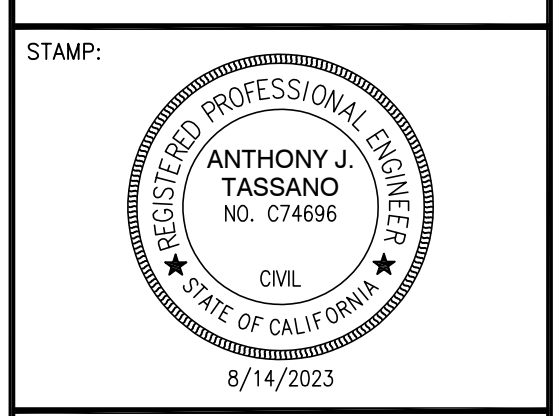
ISSUANCE:

SHEET TITLE:
TECHNOLOGY FLOOR PLAN - SOUTH MAN GATE

SHEET NO.
T201



Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824-4528



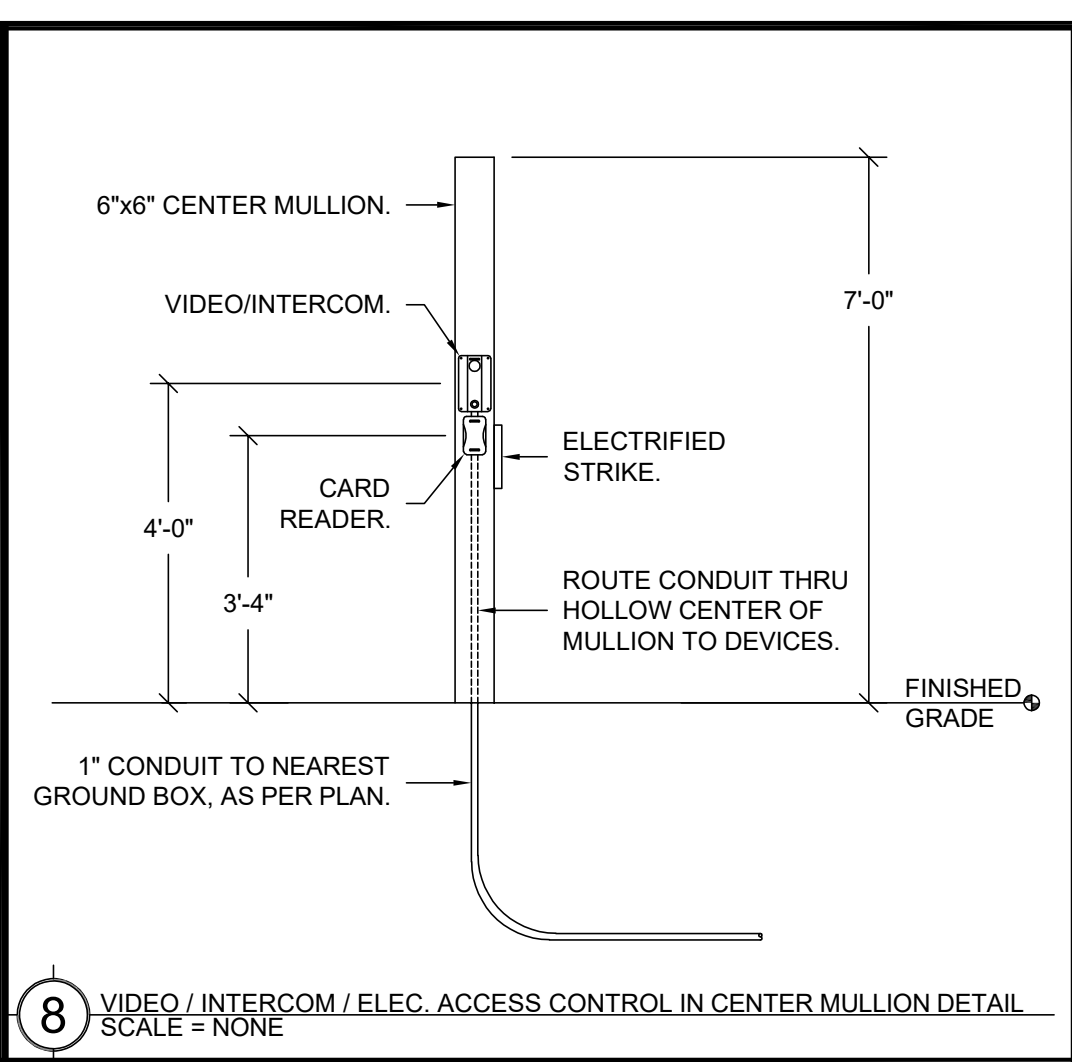
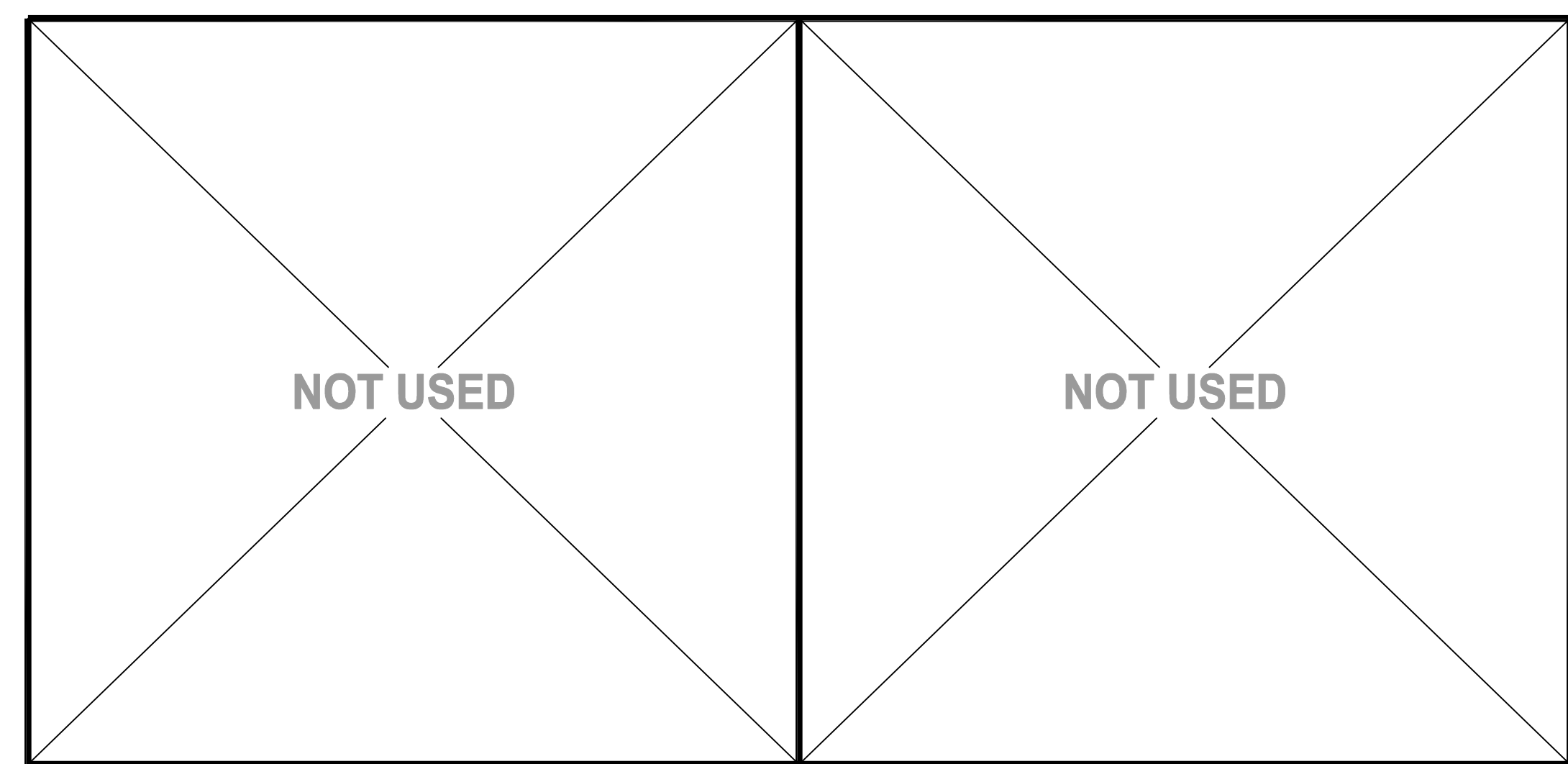
Sutterville Elementary
2023 Fencing
4967 Monterey Way
Sacramento, CA 95822

REVISIONS	
NO.	DESCRIPTION
1	ADD END USER REQ 023-08-14

DRAWN: JG	SCALE: AS NOTED
CHECKED: CS	PROJECT NO. 23-056
DESIGNED: CC	DATE: 4/24/2023

SHEET TITLE:
TECHNOLOGY SINGLE LINE AND DETAILS

SHEET NO.
T900



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

CONDUIT FILL CHART 40% FILL RATIO MAXIMUM FILL RATIO (0.250" DIA.)	
CONDUIT DIA.	FILL RATIO
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)

