INCREMENT NO. 1

GENERAL INFORMATION

G000	COVER SHEET
G101	REGULATORY SITE PLAN
G102	REGULATORY FLOOR PLANS AND EXISTING PARKING LAYOUT

CIVIL

TYPICAL INFORMATION

SD/X101	DETAILS
SD/X102	DETAILS

SITE DEVELOPMENT

SD/C100	TOPOGRAPHIC SURVEY LEGEND AND NOTES
SD/C101	TOPOGRAPHIC SURVEY
SD/C201	DEMOLITION PLAN
SD/C301	SITE PLAN
SD/C401	HORIZONTAL CONTROL PLAN
SD/C402	HORIZONTAL CONTROL PLAN TABLE
SD/C501	GRADING AND DRAINAGE PLAN
SD/C601	UTILITY PLAN

LANDSCAPE

SD/L101	IRRIGATION PLAN
SD/L102	IRRIGATION DETAILS
SD/L201	PLANTING PLAN
SD/L202	PLANTING DETAILS

ELECTRICAL

SD/E101	SITE DEVELOPMENT - SITE OVERALL ELECTRICAL PLAN
SD/E102	SITE DEVELOPMENT - SITE ELECTRICAL PLAN
X/E101	TYPICAL INFORMATION - ELECTRICAL SYSTEMS - SYMBOLS, NOTES, AND DETAILS
X/E102	TYPICAL INFORMATION - ELECTRICAL SYSTEMS - DETAILS AND DIAGRAMS

FIRE PROTECTION

SD/F101	FIRE PROTECTION SITE PLAN
SD/F102	FIRE PROTECTION VICINITY SITE PLAN
X/F101	FIRE PROTECTION UNDERGROUND DETAILS
X/F102	FIRE PROTECTION CITY STANDARDS

(25 - SHEETS TOTAL)

INCREMENT NO. 2

GENERAL INFORMATION

G000-2	COVER SHEET
G101-2	REGULATORY SITE PLAN (for reference only)
G102-2	REGULATORY FLOOR PLANS AND EXISTING PARKING LAYOUT (for reference only)

COVER DRAWING

T-0	COVER SHEET WITH DRAWING INDEX, DESIGN LOADS, BUILDING DESCRIPTION & CODE REFERENCES

ARCHITECTURAL DRAWINGS

A-1	OVERALL FLOOR PLANS
A-1.1	ENLARGED FLOOR PLANS
A-1.2	ENLARGED FLOOR PLANS
A-2	OVERALL CEILING PLANS
A-2.1	ENLARGED CEILING PLANS
A-2.2	ENLARGED CEILING PLANS
A-2.3	CANOPY CEILING PLAN
A-2A	CEILING DETAILS
A-2B	CEILING DETAILS
A-3	ARCHITECTURAL CROSS-SECTIONS
A-3.1	ARCHITECTURAL CROSS-SECTIONS
A-3.2	ARCHITECTURAL CROSS-SECTIONS
A-3.3	ARCHITECTURAL CROSS-SECTIONS
A-3.4	ARCHITECTURAL CROSS-SECTIONS
A-4	ARCHITECTURAL DETAILS
A-4.1	ARCHITECTURAL DETAILS
A-5	EXTERIOR ELEVATIONS
A-5.1	EXTERIOR ELEVATIONS
A-6	INTERIOR ELEVATIONS SINGLE BLDG.
A-6.1	INTERIOR ELEVATIONS CANOPY BLDG.
A-6.2	INTERIOR ELEVATIONS CANOPY BLDG.
A-7	INTERIOR FINISH SCHEDULES
A-7A	DOOR & WINDOW TYPES, SIGNAGE DETAILS & ACCESSIBLE MOUNTING HEIGHTS
A-7B	DOOR SCHEDULES
A-8	OVERALL ROOF PLAN
A-8.1	CANOPY ROOF PLAN
A-9	ARCHITECTURAL CROSS-SECTIONS

FOUNDATION DRAWINGS

SF-1	FOUNDATION PLAN
SF-2.1	FOUNDATION DETAILS
SF-2.2	FOUNDATION DETAILS
SF-2.3	FOUNDATION DETAILS

STRUCTURAL DRAWINGS

S-0	LIGHT GA. STEEL MEMBER SCHEDULE
S-1	CANOPY FRAMING PLAN
S-1.1	ROOF FRAMING PLAN
S-1.2	ROOF FRAMING PLAN
S-2	STRUCTURAL DETAILS
S-2A	STRUCTURAL DETAILS
S-3	STRUCTURAL CROSS-SECTION CLASSROOM
S-3.1	STRUCTURAL CROSS-SECTION TK KINDERGARTEN
S-3.2	WALKWAY CANOPY SECTION
S-3A	STRUCTURAL CROSS-SECTIONS AT CANOPY
S-3A.1	STRUCTURAL CROSS-SECTIONS AT CANOPY
S-3A.2	WALKWAY CANOPY STRUCTURAL DETAILS
S-3A.3	WALKWAY CANOPY STRUCTURAL DETAILS
S-4	WALL ANCHOR DETAILS
S-4.1	STRUCTURAL & MISC. DETAILS
S-5	WALL FRAMING ELEVATIONS SINGLE BLD'G.
S-5.1	WALL FRAMING ELEVATIONS DOUBLE BLD'G.

CAL-GREEN DRAWINGS

CG-1	CAL-GREEN COMPLIANCE DOCUMENTATION
CG-2	CAL-GREEN COMPLIANCE DOCUMENTATION
CG-3	CAL-GREEN COMPLIANCE DOCUMENTATION

MECHANICAL DRAWINGS

M0.1	MECHANICAL LEGEND, SCHEDULES AND NOTES
M2.1	MECHANICAL OVERALL FLOOR PLANS
M2.2	ENLARGED MECHANICAL PLANS & SECTIONS
M2.3	MECHANICAL OVERALL PIPING PLANS
M3.1	MECHANICAL OVERALL ROOF PLANS
M5.1	MECHANICAL DETAILS
M5.2	MECHANICAL DETAILS

PLUMBING DRAWINGS

P0.1	PLUMBING LEGEND, SCHEDULES AND NOTES
P2.1	PLUMBING OVERALL FLOOR PLANS - WASTE AND VENT
P2.2	PLUMBING OVERALL FLOOR PLANS - HOT AND COLD WATER
P5.1	PLUMBING DETAILS

TITLE 24 COMPLIANCE DRAWINGS

T-24A	TITLE 24 COMPLIANCE
T-24B	TITLE 24 COMPLIANCE
T-24C	TITLE 24 COMPLIANCE

ELECTRICAL DRAWINGS

E001	GENERAL NOTES
E002	ELECTRICAL DETAILS
E003	LIGHTING DETAILS
E100	LIGHTING PLAN
E200	ELECTRICAL PLAN
E201	ROOF ELECTRICAL PLAN
ET24A	COMPLIANCE
ET24B	COMPLIANCE
ET24C	COMPLIANCE
ET24D	COMPLIANCE
ET24E	COMPLIANCE

FIRE SPRINKLER DRAWINGS

FP-0.0	GENERAL NOTES AND RISER DETAIL
FP-0.1	SITE UNDERGROUND
FP-0.2	HANGER BRACING & PIPING DETAILS
FP-1.0	OVERHEAD PIPING PLAN & SECTIONS
FP-2.0	REFLECTED CEILING PLAN

ELECTRICAL

SD/E101	SITE DEVELOPMENT - SITE OVERALL ELECTRICAL PLAN
SD/E102	SITE DEVELOPMENT - SITE ELECTRICAL PLAN
X/E101	TYPICAL INFORMATION - ELECTRICAL SYSTEMS - SYMBOLS, NOTES, AND DETAILS
X/E102	TYPICAL INFORMATION - ELECTRICAL SYSTEMS - DETAILS AND DIAGRAMS
X/E201	TYPICAL INFORMATION - FIRE ALARM SYSTEM - SYMBOLS, NOTES, DETAILS, AND FA REFERENCE SITE PLAN
X/E202	TYPICAL INFORMATION - FIRE ALARM SYSTEM - SINGLE LINE DIAGRAM AND CALCULATIONS
X/E203	TYPICAL INFORMATION - FIRE ALARM SYSTEM - CALCULATIONS
X/E301	TITLE 24 COMPLIANCE - BLDG 700A, 700B DOCUMENTATION
X/E302	TITLE 24 COMPLIANCE - BUILDINGS 700B, 700C DOCUMENTATION
A/E101	BUILDINGS 700A AND 700B - ELECTRICAL PLANS
A/E201	BUILDING 700C - ELECTRICAL PLANS

(98 - SHEETS TOTAL)

NOTES:

The California Energy Code Section 10-103 requires Acceptance Testing on all newly installed lighting controls, mechanical systems, envelopes, and process equipment after installation and before project completion. An Acceptance Test is a functional performance test to help ensure that newly installed equipment is operating and in compliance with the Energy Code.

Lighting controls acceptance tests must be performed by a certified lighting controls Acceptance Test Technician (ATT).

Mechanical system acceptance tests must be performed by a certified mechanical ATT for projects submitted on or after October 1, 2021.

Envelope and process equipment acceptance tests shall be performed by the installing contractor, engineer/architect of record or the owner's agent.

A listing of certified ATT can be found at: https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance.

The Acceptance Testing procedures must be repeated, and deficiencies must be corrected by the builder or installing contractor until the construction/installation of the specified systems conform and pass the required acceptance criteria.

Project inspectors will collect the forms to confirm that the required Acceptance Tests have been completed.

STATEMENT OF GENERAL CONFORMANCE

Application No.: 02-122955 INC 01

File No.: 10-89

The drawings identified as follows:

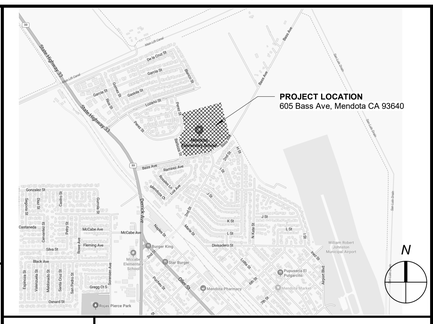
- [X] All drawing sheets included in this set not bearing my stamp and signature.
- [ ] Drawing sheets denoted in the sheet index as follows: _____
- [ ] Drawing sheets included under the following PC approval(s): _____

have been prepared by other design professionals or consultants who are licensed and authorized to prepare such drawings (plans) in this state. They have been examined by me for:

1. Design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2. Coordination with my drawings (plans) and specifications and are acceptable for incorporation into the construction of this project.

Per Title 24, Part 1, Section 4-316(b): This Statement of General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Sections17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344 of Title 24, Part 1.

Signature		Date
		04/30/25
Printed Name	**License Number**	**Expiration Date**
Grant E. Dodson	C-20,307	6-30-25



N14 | Vicinity Map

Not to Scale

All work shall be performed in accordance with current applicable codes and standards including, but not limited to, the following:

California Code of Regulations (CCR)
CCR-T5: Title 5-Education
CCR-T8: Title 8-Industrial Safety
CCR-T19: Title 19-Public Safety
CCR-Title 24:

Building Codes and Standards:

2022 California Building Standards Administrative Code (Part 1, Title 24, CCR)

2022 California Building Code, Volumes 1 and 2 (Part 2, Title 24, CCR)

2022 California Electrical Code (Part 3, Title 24, CCR)

2022 California Mechanical Code (Part 4, Title 24, CCR)

2022 California Plumbing Code (Part 5, Title 24, CCR)

2022 California Energy Code (Part 6, Title 24, CCR)

2022 California Elevator Safety Construction Code (Part 7, Title 24, CCR)

2022 California Fire Code, Part 9, Title 24, CCR)

2022 California Referenced Standards Code (Part 12, Title 24, CCR)

2022 California Green Building Standards Code

NFPA 13, 2022 Edition, The Installation of Automatic Sprinkler Systems

NFPA 14, 2019 Edition, Installation of Standpipe

NFPA 24, 2022 Edition, Installation of Private Fire Service Mains and their Appurtenances

NFPA 72, 2022 Edition, National Fire Alarm Code

Division of the State Architect (DSA):
SSS: Structural Safety Section
ACS: Access Compliance Section
FLS: Fire Life Safety
Interpretation of Regulation Manual

J14 | Applicable Codes

Notes:

1. The Contractor Shall Be Responsible For The Preparation and Submittal Of The Deferred Approval Items To The Division Of The State Architect (DSA) For Review and Approval Prior To The Installation. The Submittal Shall Comply With The Requirements Of Specification Section 013300: Submittals.
2. Fabrication and installation of Deferred Approval items shall not be started until Contractor's drawing, specifications, and engineering calculations for the actual system(s) to be installed have been reviewed by the Architect and/or the Structural Engineer, and approved by the DSA.

Description of Deferred Item
- None

G14 | Deferred Approval

INCREMENT NO. 1: Site Improvements

Improvements Associated Earthwork for New Modular Building Pad, Concrete Walk Path of Travel Improvements, Chain-Linked Fencing and Gates Replacement.

INCREMENT NO. 2: Modular Buildings

Construction of Modular Buildings

E14 | Project Description

FIRE SAFETY DURING CONSTRUCTION:
Contractor shall observe compliance with CBC Chapter 35 and CFC Chapter 33 - Fire Safety During construction and Demolition.

INTENT OF DRAWINGS:
The intent of these drawings and specification is that the work of the alteration, rehabilitation, or reconstruction is to be in accordance with Title 24, CCR. Should any existing conditions such as deterioration or non-complying construction be discovered which is not covered by the contract documents wherein the finished work will not comply with Title 24, CCR, a construction change document (CCD), or a separate set of plans and specifications, detailing and specifying the required work shall be submitted to and approved by DSA before proceeding with the work. (Section 4-317(c), Part 1 Title 24, CCR). Changes to the approved drawings and specifications shall be made by an addendum or a construction change document (CCD) approved by the Division of the State Architect, as required by Section 4-338, PART 1, Title 24, CCR and DSA IR A-6.

SUBSTITUTIONS
Substitutions affecting DSA-regulated items shall be considered as construction documents (CCD's) and shall be approved prior to fabrication and installation per DSA IR A-6 and Section 338(c) Part 1, Title 24 CCR

CHANGES TO DRAWINGS:
Changes to the approved drawings and specifications shall be made by an Addendum or a Construction Change Documents (CCD) Approved by The Division of the State Architect, as required by Section 4-338, Part 1, Title 24, CCR.

LOCAL CODES:
Grading, drainage improvements, road and access requirements and environmental health considerations shall comply with all local ordinances.

PROJECT INSPECTOR:
A "DSA certified" Class 2 project inspector is required for this project. 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.

TESTING LABORATORY:
A DSA accepted testing laboratory directly employed by the District (Owner) shall conduct all the required tests and inspections for the project.
No Demolition shall begin until plans including demolition work have been approved by DSA.

B14 | General Notes

DSA File No.: *10-89*

DSA Application No.: *02-122955*

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

ELECTRICAL
HCS ENGINEERING, INC.
4512 FEATHER RIVER DRIVE #F
STOCKTON, CA 95219
(209) 478-8270

MECHANICAL
TURLEY & ASSOCIATES
2431 CAPITOL AVE.
SACRAMENTO, CA 95816
T (916) 325-1065

STRUCTURAL
KAM YAN & ASSOCIATES
433 HEGENBERGER ROAD.
SUITE 240
OAKLAND, CA 94621
T (909) 613-0234

MECHANICAL
Lawrence Engineering Group
4910 E. Clinton Way
Suite 101
Fresno, CA 93727
(559) 431-0101

ELECTRICAL
Hardin-Davidson Engineering
356 Pollasky Ave. Suite 200
Clovis, CA 93612
T (559) 323-4928
F (559) 323-4928

LANDSCAPE
Blair, Church & Flynn
451 Clovis Ave, Ste 200
Clovis, CA 93612
T (559) 326-1400
F (559) 326-1500

CIVIL
Blair, Church & Flynn
451 Clovis Ave. Ste 200
Clovis, CA 93612
T (559) 326-1400
F (559) 326-1500

ARCHITECTURAL
Darden Architects, Inc.
6790 N. West Avenue
Fresno, CA 93711
T (559) 448-8051
F. (559) 446-1765

Mendota Elementary School - Inc. No. 01:
Sitework for Modular Classroom Buildings

Mendota Unified School District
605 Bass Ave, Mendota CA 93640

Darden Project Number: 2277
Date: 05/22/25

Project Information

darden architects
ARCHITECTURE
PLANNING
INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT GRANT E. DODSON No. C-20307 Exp. 6-30-25 STATE OF CALIFORNIA

Architect

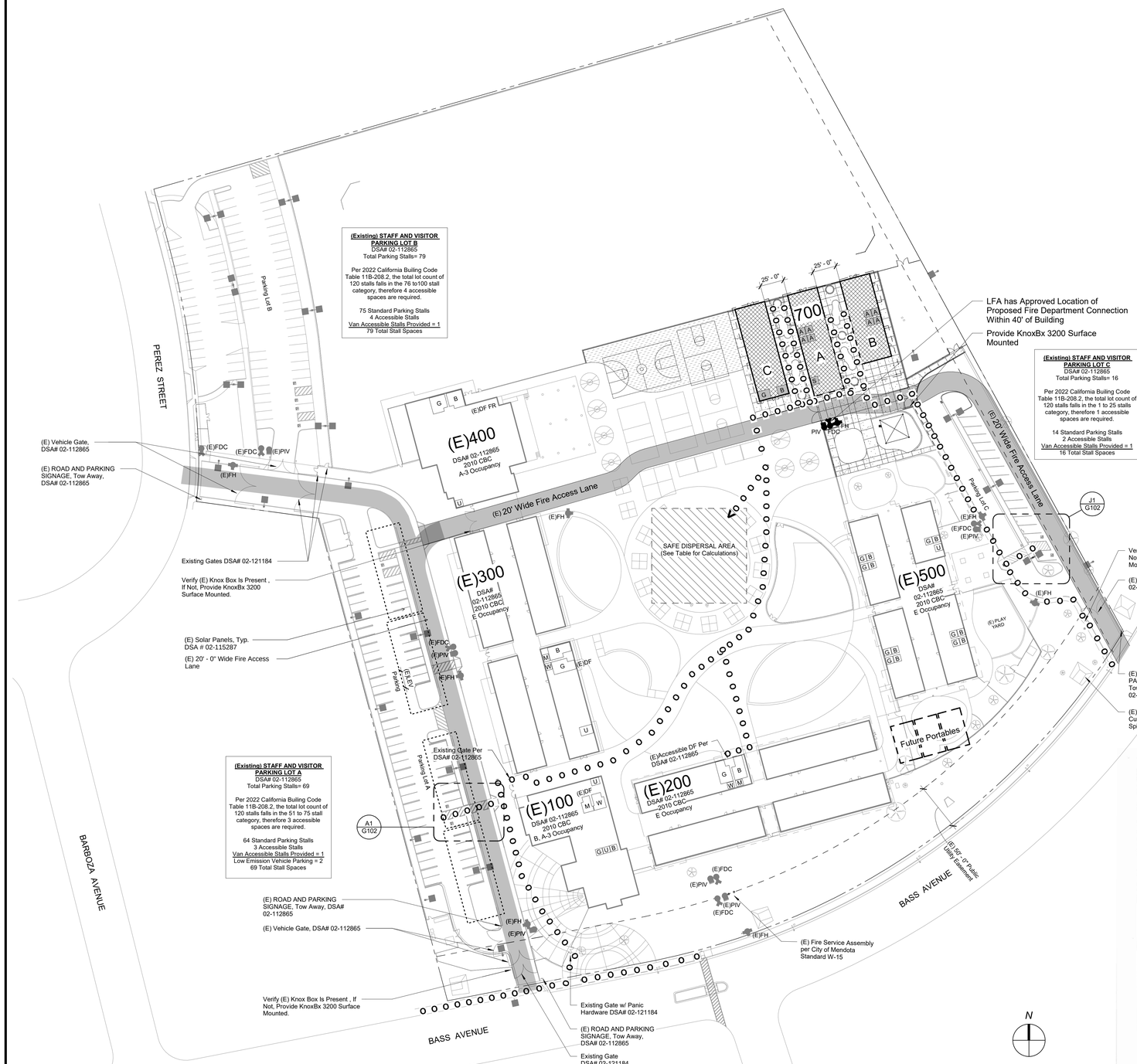
No.	Revision/Submission	Date

Revision

G000

Sheet: 1 of: 25

5/22/2025 8:33:25 AM
E:\Users\richardm\Documents\2277_Classroom Additions_V22_richardmVLVAL.rvt



(Existing)		Under CBC 2010					
BLDG. NO.	BUILDING PER ASSUMED PROPERTY LINE	OCCUPANCY GROUP (Section 303)	CONSTRUCTION TYPE (TABLE 601)	FIRE SPRINKLER SYSTEM	DSA APPLICATION NUMBER	DSA APPROVAL DATES	REMARKS
100	Administration & Staff	B	Type V-B	Fully Fire Sprinklered	DSA 02-112865	2013	4
	Library	A-3	Type V-B	Fully Fire Sprinklered	DSA 02-112865	2013	
	Building				DSA 02-112865	2013	
200	Classrooms	E	Type V-B	Fully Fire Sprinklered	DSA 02-112865	2013	
	Building				DSA 02-112865	2013	
300	Classrooms	E	Type V-B	Fully Fire Sprinklered	DSA 02-112865	2013	2
	Building				DSA 02-112865	2013	
400	Multipurpose (Non-Seperated)	A-3	Type V-B	Fully Fire Sprinklered	DSA 02-112865	2013	2,3
	Building				DSA 02-112865	2013	
500	Classrooms	E	Type V-B	Fully Fire Sprinklered	DSA 02-112865	2013	2,3
	Building				DSA 02-112865	2013	

N13
1/4" = 1'-0"

Existing Building Data Table

SAFE DISPERSAL AREA	AREA REQUIRED (sq.ft.)	AREA PROVIDED (sq.ft.)
800 Existing Students x (5 sq.ft. / person) Per DSA# 02-112865	4,000 sq.ft.	
404 New Occupants x (5 sq.ft. / person)	2,020 sq.ft.	
Total:	6,020 sq.ft.	Existing safe dispersal area DSA# 02-112865 10,000 sq.ft.

CAL FIRE — FRESNO COUNTY FIRE PROTECTION DISTRICT
210 South Academy Avenue
Sanger, California 93657
Telephone: (559) 493-4359
Fax: (559) 875-7451
www.fresnocountyfire.org

WATER FLOW REQUEST

This form is to be used by fire sprinkler contractors to request the water flow for the project location specified. Complete Section 1 and send to Fresno County Fire Protection District. This form, with both Sections 1 and 2 completed, must be submitted to Fresno County Fire Protection District with the fire sprinkler plans.

SECTION 1

REPORT DATE: 2/20/2024	COMPANY REQUESTING FLOW INFORMATION: Mendota Unified School District
COMPANY ADDRESS: 115 McCabe Ave	CITY: Mendota / STATE: CA
COMPANY PHONE NUMBER: 559-655-4942	FAX NUMBER: 559-655-4944
CONTACT PERSON: Jose Alcaide	EMAIL: (Contact Person) jalcaide@mendotaschools.org
PROJECT NAME: Mendota Elementary School	PROJECT LOCATION: 605 Bass Ave Mendota, CA
STREET WHERE WATER SERVICE WILL BE OBTAINED FROM: Bass Ave	

Do not write below this line – To be completed by Fresno County Fire Protection District

SECTION 2

LOCATION OF TESTED HYDRANT: Outside of Main Entrance		
DATE HYDRANT FLOWED: 3/28/2024	TIME HYDRANT FLOWED: 11:30	HYDRANT NUMBER or ID: N/A
STATIC: 63 PSI	RESIDUAL: 45 PSI	PITOT: 40 PSI
FLOW: 1698 GPM @ 20 PSI	COMMENTS:	

INFORMATION SENT BY: ☐ Fax ☐ Phone ☐ Mail ▪ E-Mail By: John Blalock Date: 4/2/2024

Revision: 3/30/11

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

School District Acceptance of Acceptable Design Alternates

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

Accepted by: Jose M. Alcaide Title: CBO

Signature: Jose M. Alcaide Date: 5-21-2025

LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name: FRESNO COUNTY FIRE PROTECTION DISTRICT

LFA Review Official: MATTHEW S. TAAK

Title: PLANS EXAMINER Work Phone: 559-705-3925

Work Email: PS1.TAAK@GMAIL.COM

LFA Reviewer's Signature: Matthew Taak Date: 2/7/25

THE AVAILABLE FIRE FLOW AND FDC PLACEMENT ARE ACCEPTABLE

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

DSA
810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

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

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

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

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

PROJECT INFORMATION	
School District/Owner:	Mendota Unified School District
Project Name/School:	Mendota Elementary School - Modular Classroom Buildings
Project Address:	605 Bass Ave, Mendota Elementary School

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

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

DSA File No.: *10-89*

DSA Application No.: *02-122955*

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

SYMBOLS

Accessible Path of Travel

Existing Fire Truck Access Lane

FH — PLUMBING, Fire Hydrant (FH)
FDC — PLUMBING, Fire Department Connection (FDC) (Siamese)
PIV — PLUMBING, Post Indicator Valve (PIV),
ELECTRICAL, Light Pole

Accessible Restroom Location:
B = Boys
G = Girls
M = Men
W = Women
A = All Gender "Students"
S = Staff
PER THIS APPLICATION
AS APPROVED BY PREVIOUS APPLICATION

Existing Building not included in this project

New Addition and Existing Building included in this project

ABBREVIATIONS

DF ACCESSABLE DRINKING FOUNTAIN LOCATION
(-HA = High Adult)
(-LA = Low Adult)

NOTES

1. Site Gates, Site Ramps, and Site Stair locations in the "Path of Travel" are indicated on Drawing REGULATORY COMPLAINCE SITE PLAN and FLOOR PLAN
2. The Path of Travel slopes shall not exceed a running slope of 1:20 (5%) The Path of Travel slopes shall not exceed a Cross Slope of 1:50 (2%). The Path of Travel shall not have overhead obstructions within 80" above the walking surface or obstructions protruding more than 4" between 27" and 80" above the walking surface.
3. All new concrete surface within the "Path of Travel" shall have a non-slip medium broom finish as called for in Specification Section CAST-IN-PLACE CONCRETE. A heavy broom finish shall be used on all slopes greater than 6%.

REMARKS

"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."

Mendota Elementary School - Inc. No. 01: Sitework for Modular Classroom Buildings
Mendota Unified School District
605 Bass Ave, Mendota CA 93640
Project

GENERAL INFORMATION
REGULATORY SITE PLAN
Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT — GRANT E. DODDS — No. C-26207 — EXP. 6-30-25 — STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

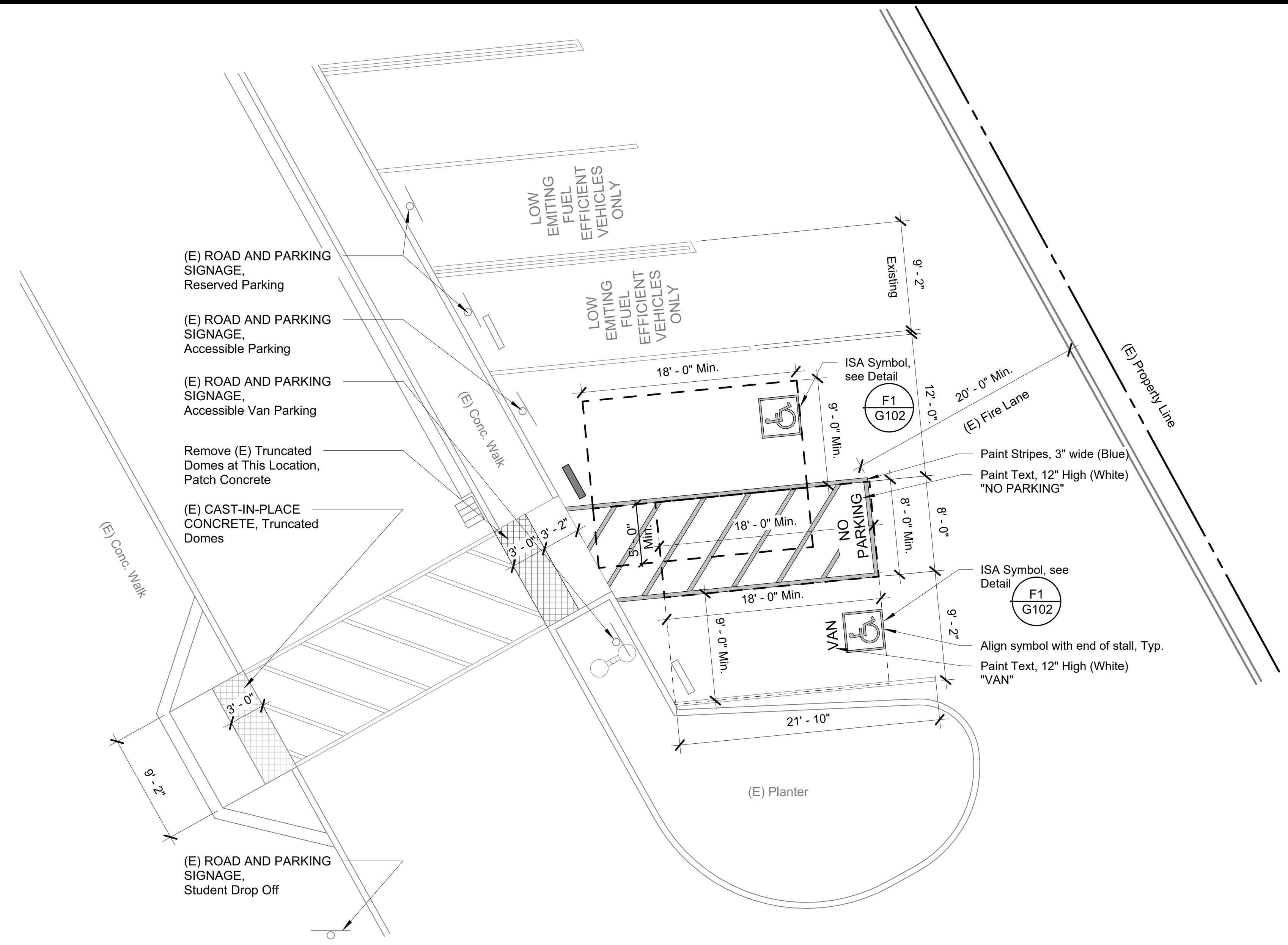
Designed By: GD
Drawn By: RM
Checked By: GD
Reviewed By: GD

Scale: As indicated
Project Number: 2277
Date: 05/22/25

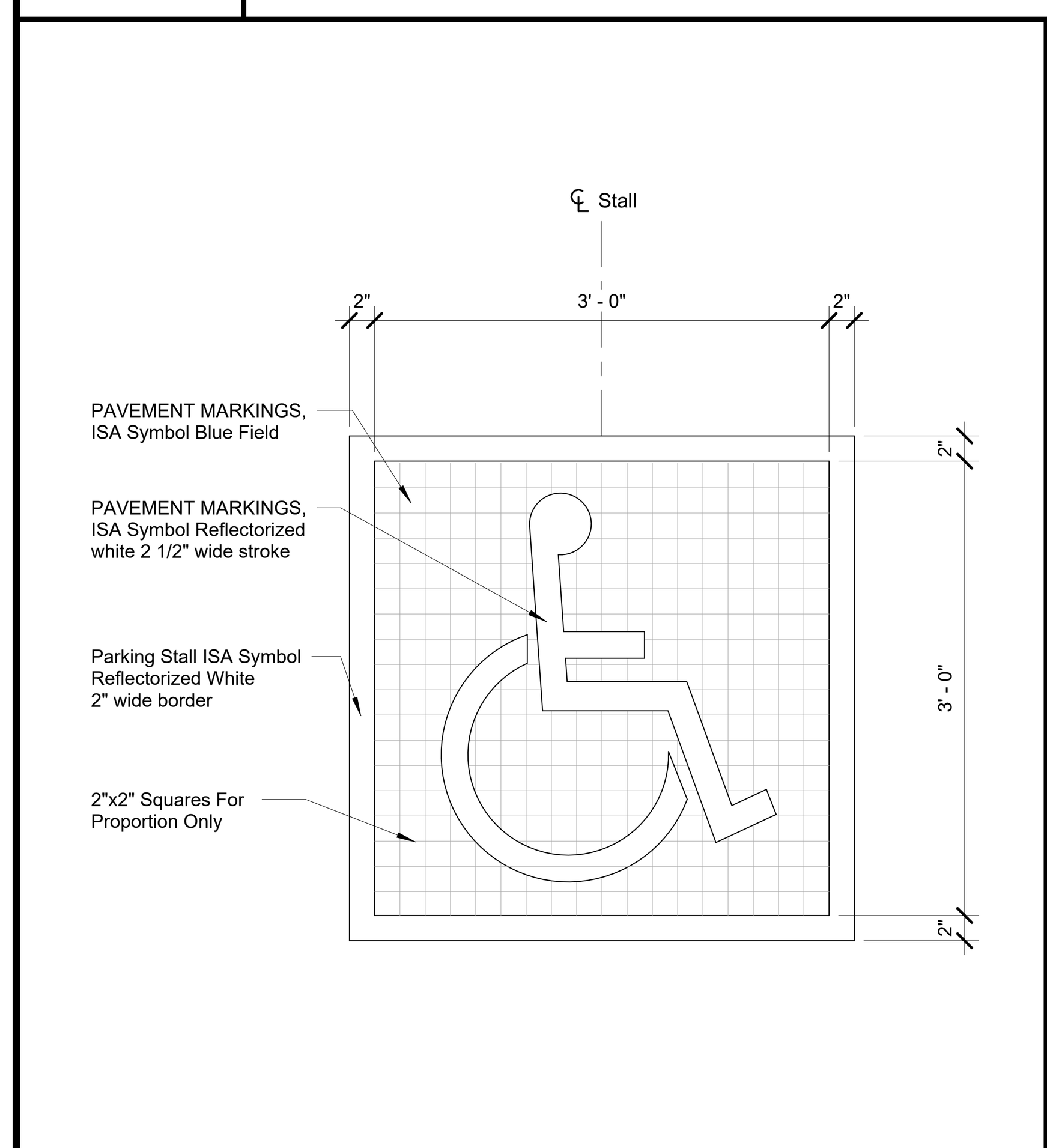
G101

A1
1" = 50'-0"
REGULATORY SITE PLAN

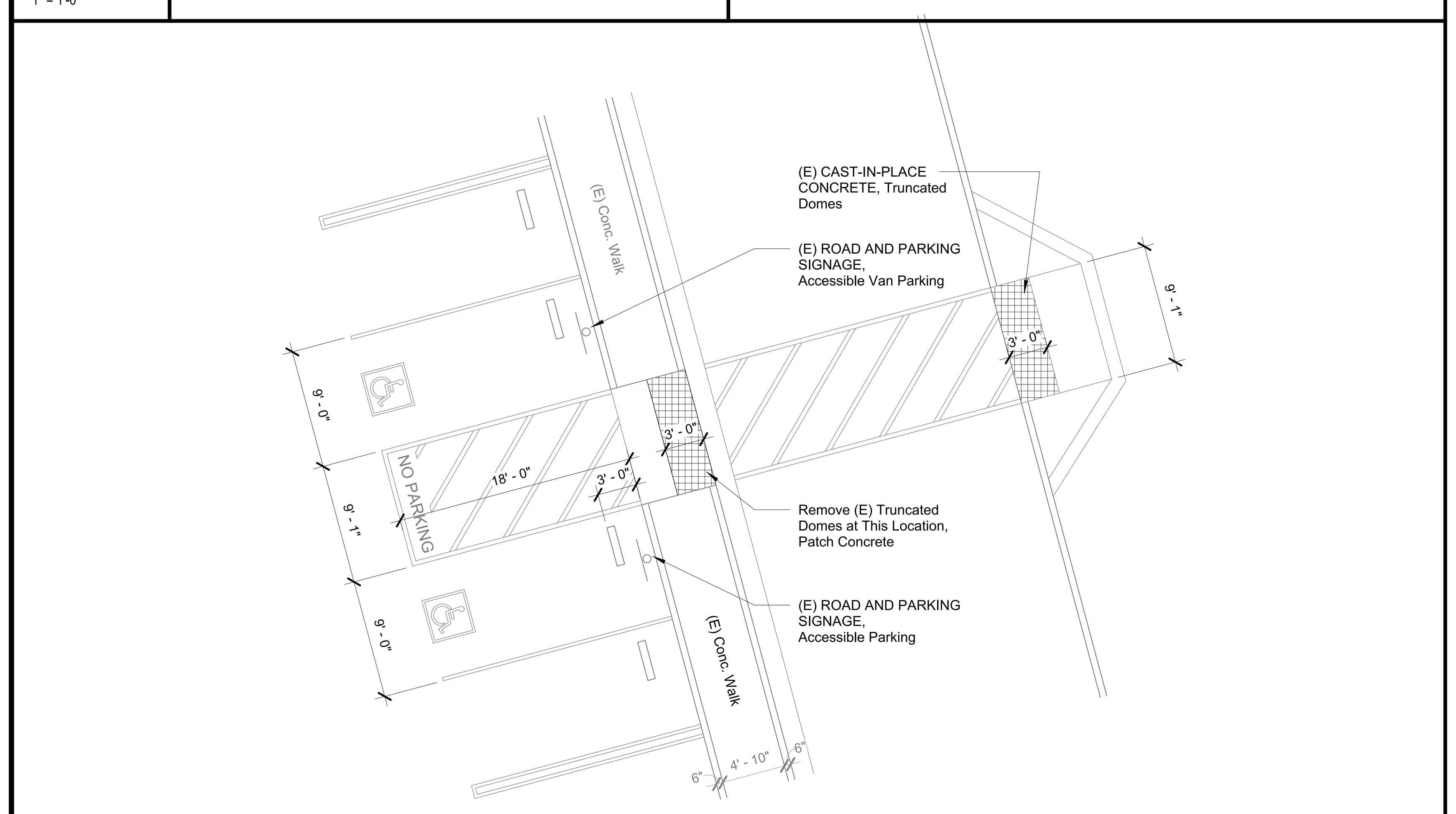
5/22/2025 8:35:39 AM
E:\Users\richardm\Documents\2277_Classroom Additions_V22_richardmVLVAL.rvt



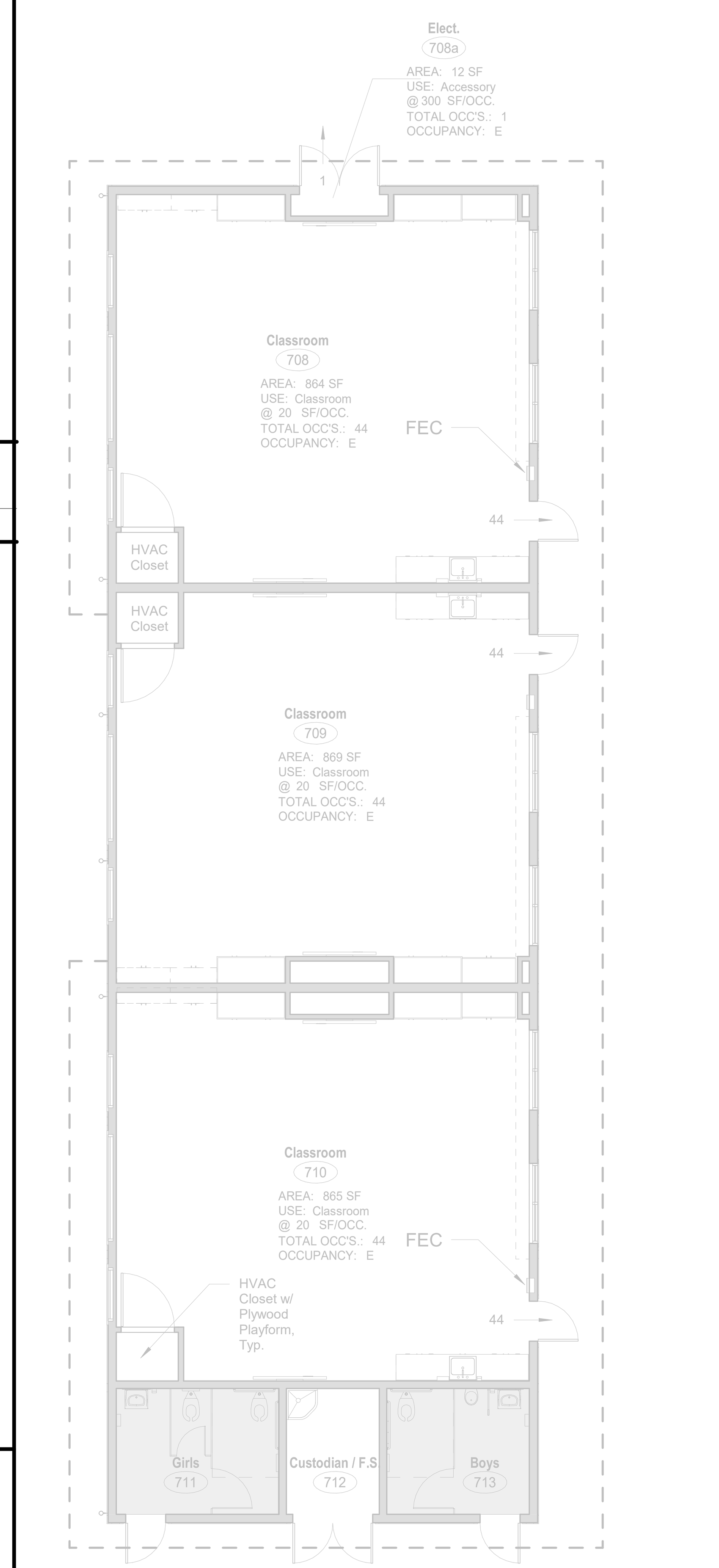
J1	(Existing) Staff and Visitor Parking - LOT C, DSA# 02-112865
1/8" = 1'-0"	



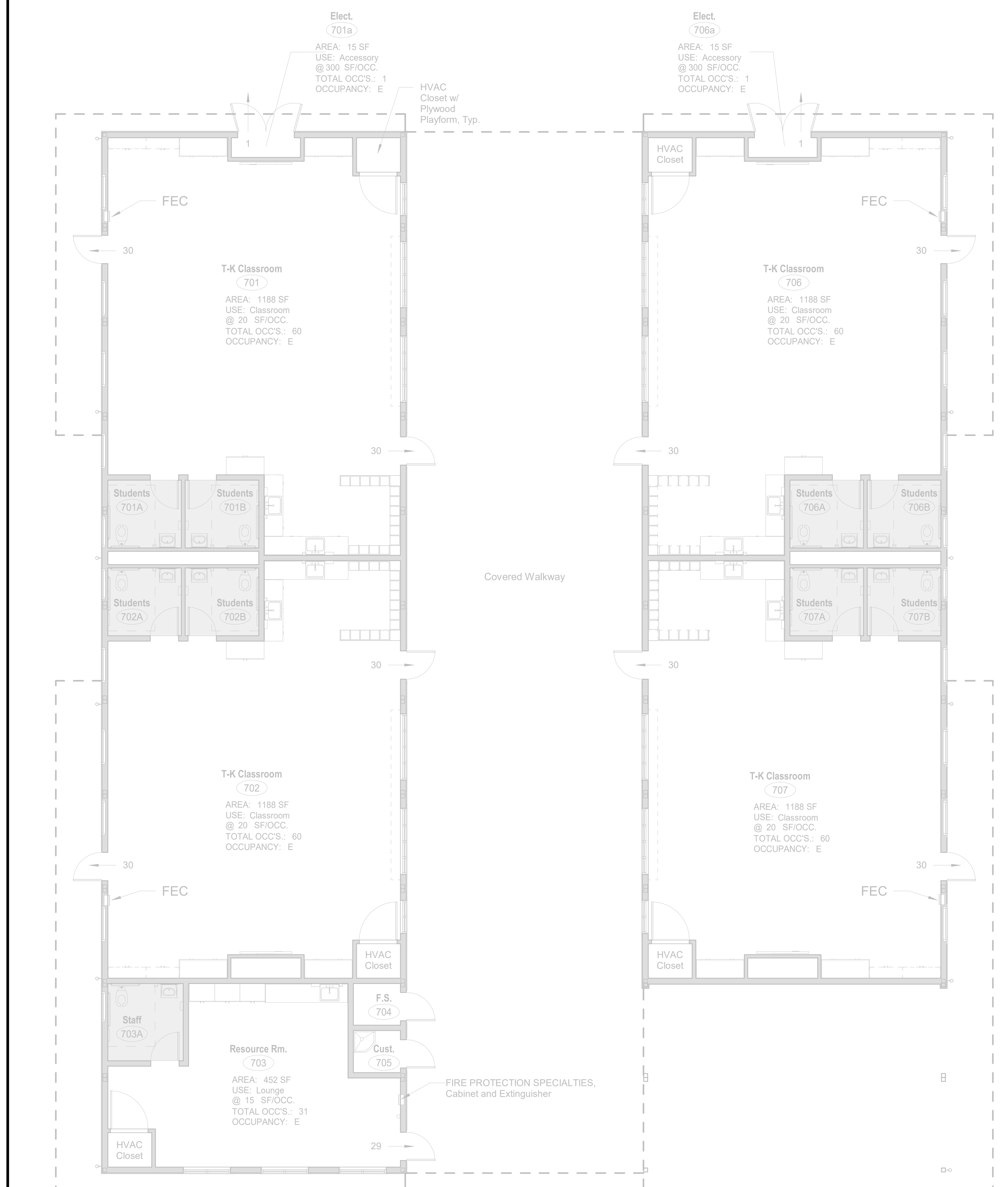
F1	PAVMENT, ISA Symbol @ Parking Stall
1" = 1'-0"	



A1	(Existing) Staff and Visitor Parking - LOT A, DSA# 02-112865
1/8" = 1'-0"	



A7	Regulatory Floor Plan - Building 700C (Refer to INC. 02)
1/8" = 1'-0"	



A11	Regulatory Floor Plan - Building 700A and 700B (Refer to INC. 02)
1/8" = 1'-0"	

DSA File No.:
10-89

DSA Application No.:
02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

SYMBOLS

Indicates Exit Occupant Loading

Indicates Required Accessible Clearance Space

Accessible Restroom Location:
- B = Boys
- G = Girls
- M = Men
- W = Women
- A = All Gender "Students"
- S = Staff

ABBREVIATIONS

DF	ACCESSIBLE DRINKING FOUNTAIN LOCATION (-HA = High Adult) (-LA = Low Adult)
FEC	FIRE PROTECTION SPECIALTIES, Fire Extinguisher and Cabinet. Provide Fire Rated Cabinet at Rated Walls.

J18	Regulatory Compliance Floor Plan Legend
No Scale	

General Notes

Consultant

Mendota Elementary School - Inc. No. 01: Sitework for Modular Classroom Buildings
Mendota Unified School District
605 Bass Ave, Mendota CA 93640

Project

GENERAL INFORMATION
REGULATORY FLOOR PLANS AND EXISTING PARKING LAYOUT

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT GRANT E. DODSON No. C-20,307 Ren. 6-30-25 STATE OF CALIFORNIA

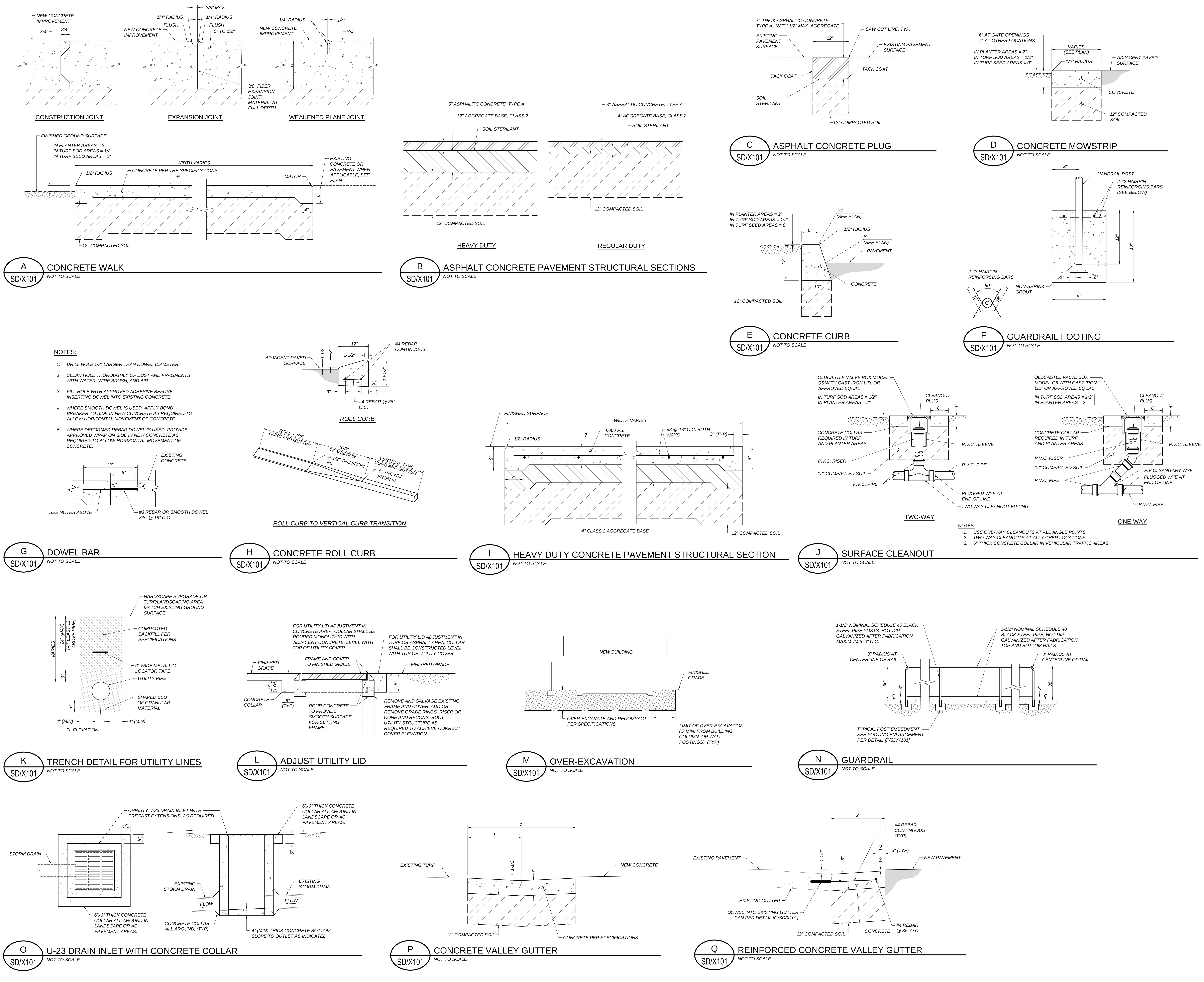
Architect

No.	Revision/Submission	Date

Revision

	Designed Designer	
Scale: 1/8" = 1'-0"	Drawn By: Author	G102
Project Number: 2277	Checked ECheck	
Date: 05/22/25	Reviewer Approver	

5/22/2025 8:36:32 AM
E:\Users\richardm\Documents\2277_Classroom Additions_V22_richardmVLVAL.rvt



DSA File No.: 10-89

DSA Application No.: 02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

General Notes

Blair, Church & Flynn
Consulting Engineers
451 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

Consultant

Mendota Elementary School - Classroom Additions
Mendota Unified School District
605 Bass Avenue, Mendota CA 93640

Project

DETAILS

Drawing

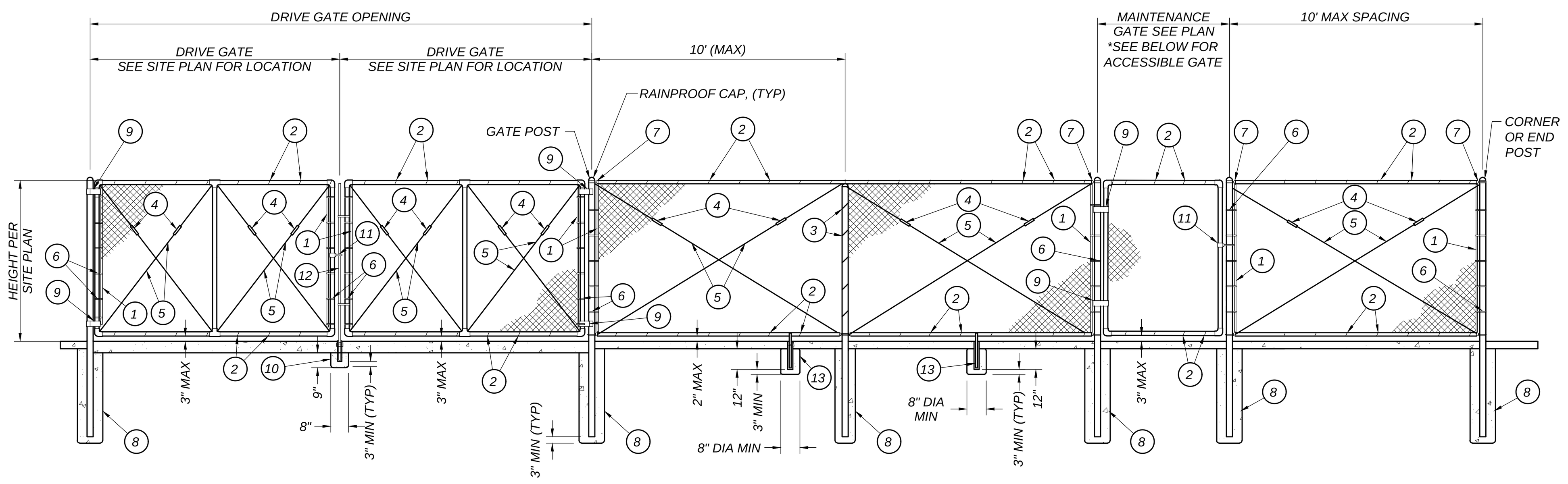
darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

Architect

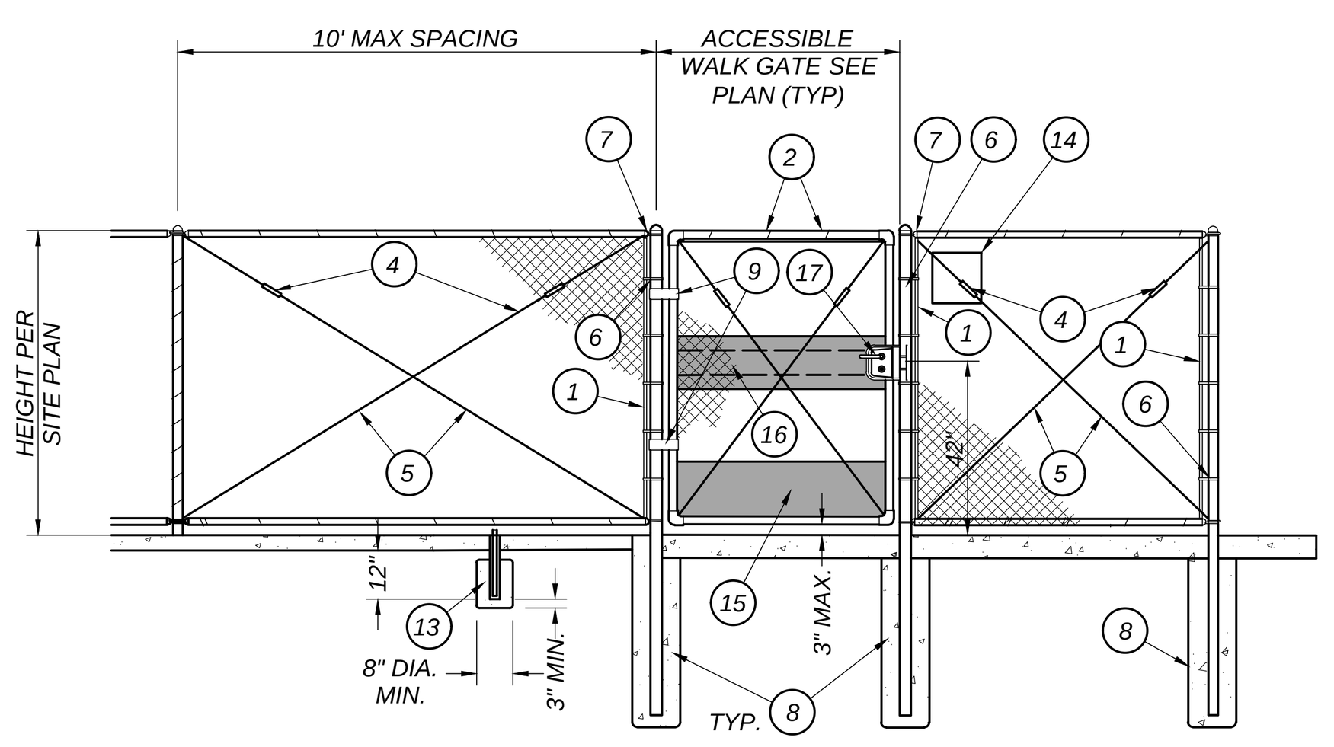
No.	Revision/Submission	Date

Revision

	Designed By: DG	
Scale: AS NOTED	Drawn By: SD	SD/X101
Project Number: 2277	Checked By: LRB	
Date: 4/22/2025	Reviewed By: JB	Sheet: 9 of: 10



FENCE AND GATE ELEVATIONS



ACCESSIBLE PEDESTRIAN GATE

CHAIN LINK FENCE SIZING SCHEDULE - OPEN FABRIC													
FENCE HEIGHT	END, ANGLE, CORNER POSTS			LINE POSTS			SINGLE LEAF MAN GATE POSTS			DOUBLE GATE POSTS			COMMENT
	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	
4'	2-7/8" O.D.	12"	4'-0"	2-3/8" O.D.	12"	3'-3"	2-7/8" O.D.	12"	4'-0"	6" O.D.	15"	5'-0"	1.66" O.D. TOP AND BOTTOM RAIL, SCHEDULE 40
6'	2-7/8" O.D.	12"	4'-0"	2-3/8" O.D.	12"	3'-3"	2-7/8" O.D.	12"	4'-0"	6" O.D.	15"	5'-0"	

OPEN FABRIC CHAIN LINK FENCE AND GATE LEGEND:

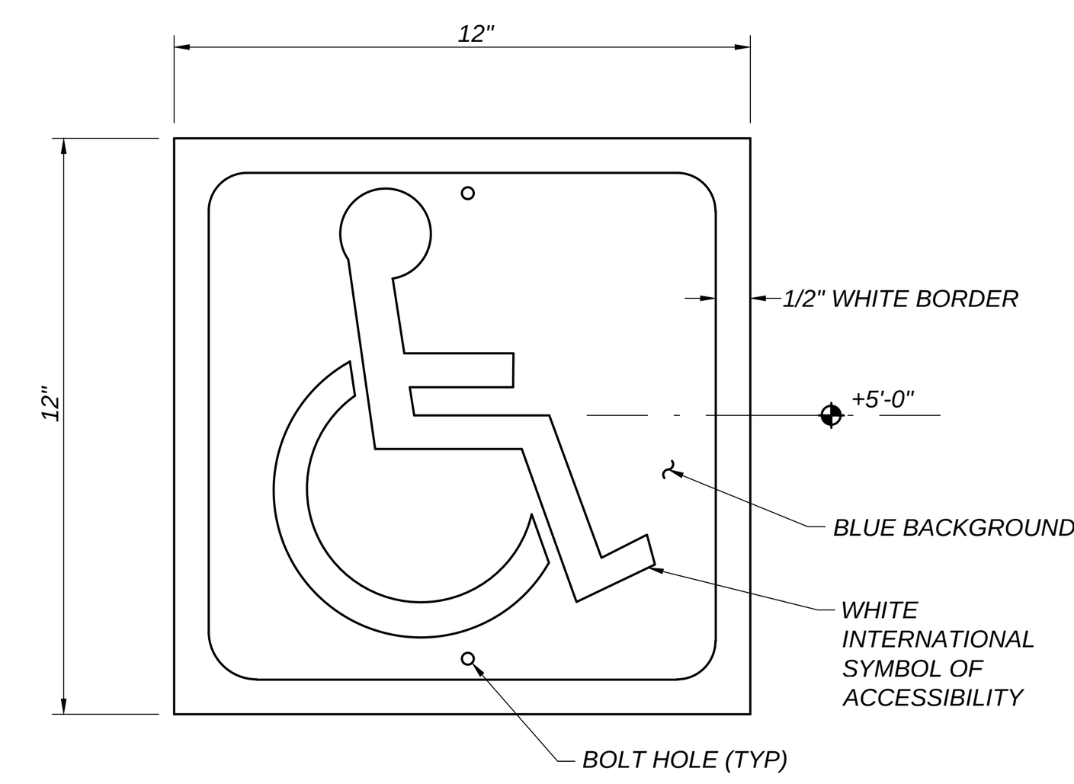
1. 1/8" X 3/4" GALVANIZED STEEL STRETCHER BAR.
2. 9 GAUGE (0.148" DIA) GALVANIZED STEEL TIE WIRES OR HOG RINGS AT 15" MAXIMUM SPACING. MINIMUM OF 8 TIE WIRES PER EACH 10' HORIZONTAL RAIL.
3. 6 GAUGE (0.192" DIA) GALVANIZED STEEL POST CLIPS AT 14" MAXIMUM SPACING. MINIMUM 3 POST CLIPS FOR EACH 4' POST.
4. GALVANIZED ADJUSTABLE TURNBUCKLE FOR 3/8" DIAMETER TRUSS ROD.
5. 3/8" DIAMETER GALVANIZED STEEL ADJUSTABLE TRUSS ROD. TRUSS RODS REQUIRED FOR ALL GATE POST PANELS, END OR CORNER POST PANELS.
6. 1/8" THICK GALVANIZED STEEL STRETCHER BAR TENSION BAND AT 12" MAXIMUM SPACING. MINIMUM OF 4 TENSION BANDS FOR EACH 4' POST SECTION.
7. GALVANIZED RAIL ENDS.
8. CONCRETE FOOTING, TYPICAL.
9. HINGES PER THE SPECIFICATION.
10. GALVANIZED STEEL PIPE SLEEVE FOR GATE DROP ROD.
11. LOCKABLE FORK LATCH PER SPECIFICATIONS
12. CENTER GATE DROP POST AND LATCH
13. INSTALL GATE HOLDBACK FOR ALL GATES.
14. ACCESSIBLE GATE SIGN PER DETAIL [B/SD/X102]
15. 10" HIGH, 1/8" THICK STEEL PLATES WELDED ON BOTH SIDES OF THE GATE AT BOTTOM FULL WIDTH OF THE GATE. THE KICK PLATE AND WELDS SHALL BE GALVANIZED FOR CORROSION RESISTANCE.
16. 24" HIGH, CENTER ON LATCH, 1/8" THICK STEEL PLATES WELDED ON THE NON FABRIC SIDE, THE FULL WIDTH OF THE GATE. THE PLATE AND WELDS SHALL BE GALVANIZED FOR CORROSION RESISTANCE PER THE SPECIFICATION.
17. ALL WALK GATES SHALL HAVE ADA/ CBC COMPLIANT ACCESSIBLE HARDWARE WHEN LOCATED WITHIN ACCESSIBLE PATH OF TRAVEL. GATE LATCH SHALL REQUIRE A MAXIMUM OF 5 LBS OF PRESSURE TO OPERATE. PROVIDE GATE NIGHT LATCH AND HARDWARE PER SPECIFICATIONS AT EXIT GATES.

OPEN FABRIC CHAIN LINK FENCE AND GATE NOTES:

1. GATE FRAME SHALL BE 2" O.D. GALVANIZED STEEL (2.72 LB/FT).
2. FENCE FABRIC SHALL BE 2" X 2" MESH X 9 GAUGE GALVANIZED FENCE FABRIC WITH KNUCKLED TOP AND BOTTOM SELVAGE. FENCE FABRIC TO BE GALVANIZED BEFORE WEAVING (GBW)
3. ALL FENCES ADJACENT TO ATHLETIC FIELDS, COURTS, BALLFIELDS, OR RUNNING TRACKS SHALL HAVE 1.66" O.D. BOTTOM RAILS INSTEAD OF TENSION WIRE
4. MATCH OWNER'S LOCKSET GATE HARDWARE AND KEYING SYSTEM FOR ALL KEYED GATES.
5. WALK GATE POST SIZE LIMITED TO 6 FOOT WIDTH OR LESS. SEE DRIVE GATE SIZING FOR LARGER LEAF WIDTHS.
6. DOUBLE TRUSS RODS ARE REQUIRED IN PANELS ADJACENT TO GATE POSTS AND AT ALL FENCE CORNERS AND END PANELS.
7. ALL GATE CORNERS AND SUPPORT POINTS SHALL BE FASTENED TOGETHER AND REINFORCED WITH MALLEABLE IRON FITTINGS DESIGNED FOR THAT PURPOSE. WELDED CONNECTIONS WILL NOT BE ALLOWED.
8. TACK WELD ALL GATE HINGES AND LATCH COLLARS TO POST.
9. ALL AREAS AFFECTED BY WELDING, TRIMMED ENDS OF BOLTS, STRETCHER BARS, TRUSS RODS OR ANY EXPOSED STEEL SHALL BE PAINTED (GALVANIZED) PER CONTRACT SPECIFICATIONS.
10. CONTRACTOR TO PROVIDE AND INSTALL GATE HOLDBACK FOR EACH GATE. HOLDBACK TO BE INSTALLED IN FENCE MOWSTRIP UNLESS OTHERWISE NOTED.
11. ALL ACCESSIBLE GATES SHALL HAVE:
    a. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY CBC SECTION 11B-404.2.7 OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. THE MAXIMUM FORCED TO ACTIVATE OPERABLE PARTS SHALL BE 5LBS PER CBC 11B-309.4.

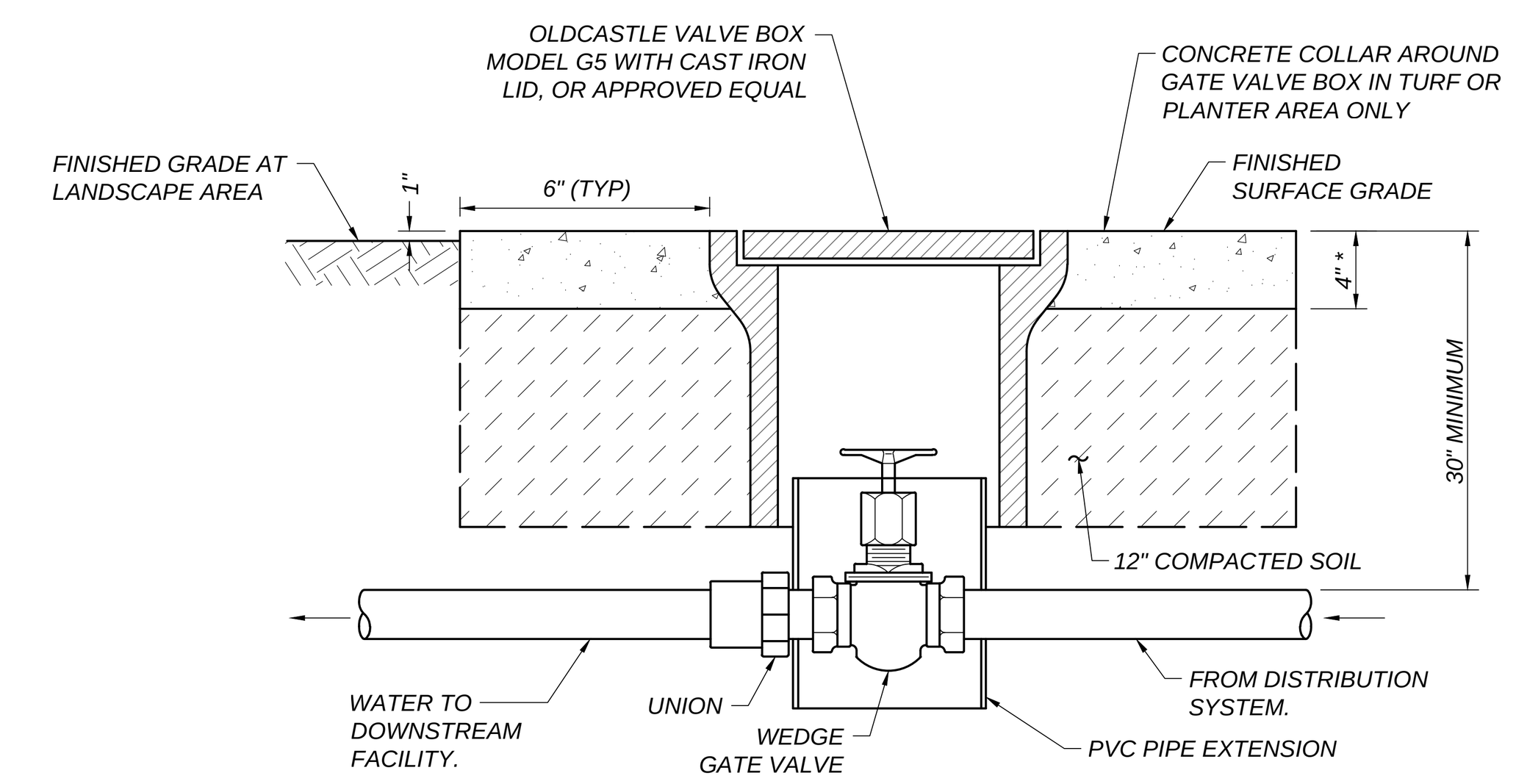
    b. SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON BOTH SIDES EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16 INCH OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED.
12. CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM PER CBC 11B-404.2.8.1.
13. GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO THE CLOSED POSITION IS 1.5 SECONDS MINIMUM PER CBC 11B-404.2.8.2.
14. ACCESSIBLE GATE SHALL HAVE A MINIMUM CLEAR OPENING OF 32 INCHES AND A MAXIMUM CLEAR OPENING OF 48 INCHES PER CBC 11B-404.2.3
15. THE MAXIMUM FORCE TO PUSH OR PULL OPEN A GATE SHALL BE 5 LBS. (11B-404.2.9)

A SD/X102 — CHAIN LINK FENCE AND GATES
NOT TO SCALE



NOTES:
1. SIGN BY "STOP SIGNS AND MORE", MODEL SKU:PAR-1124 WITH WEATHER AND GRAFFITI PROTECTION OR APPROVED EQUAL.
2. BACKING PLATE 12"x12"x16 GAUGE METAL PLATE, SANDWICH CHAIN LINK FABRIC BETWEEN SIGN AND BACKING PLATE. FASTEN TOGETHER WITH TAMPER RESISTANT THRU BOLTS SIMILAR TO DETAIL [C/SD/X102].

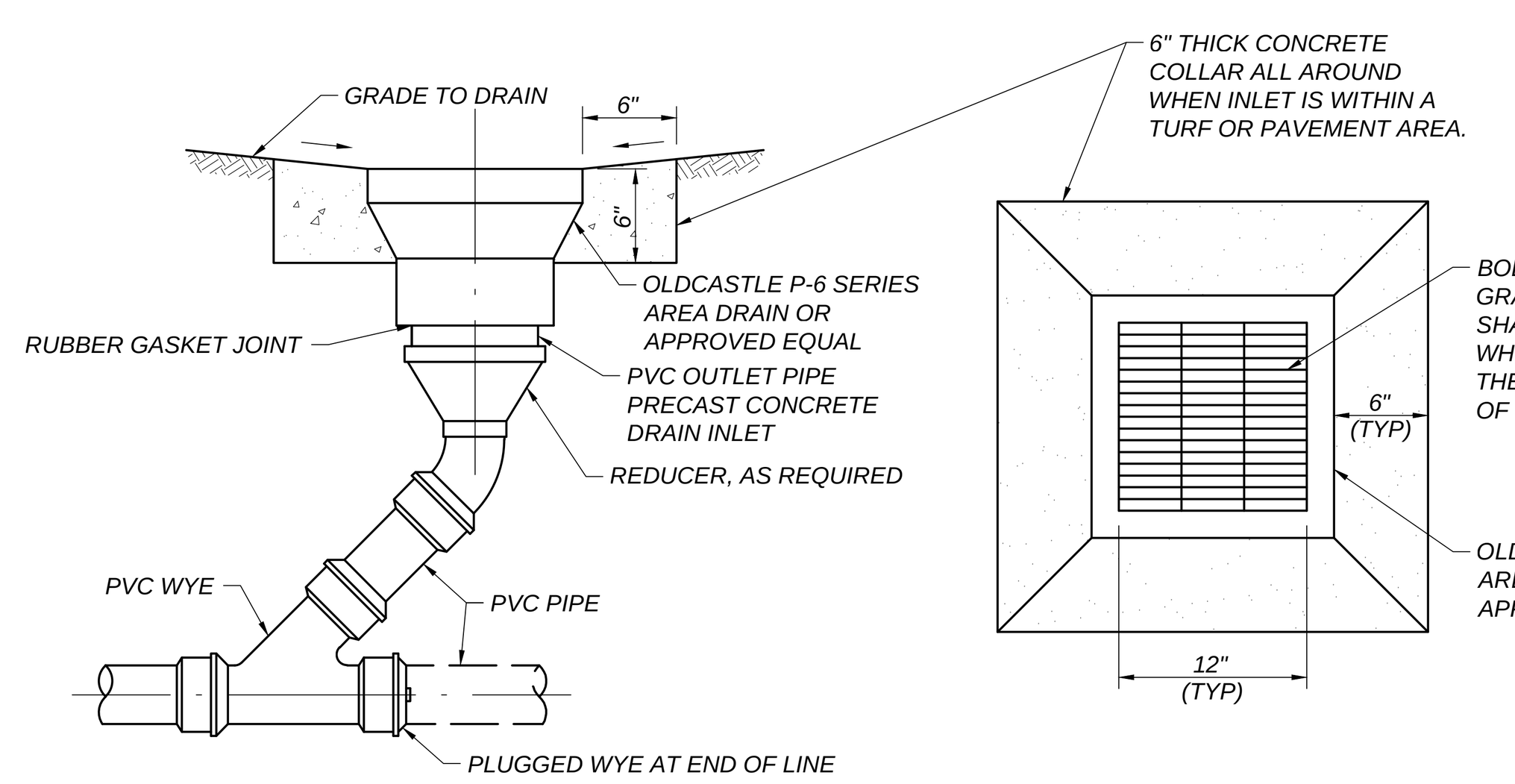
B SD/X102 — ENTRY ACCESSIBILITY SIGN
NOT TO SCALE



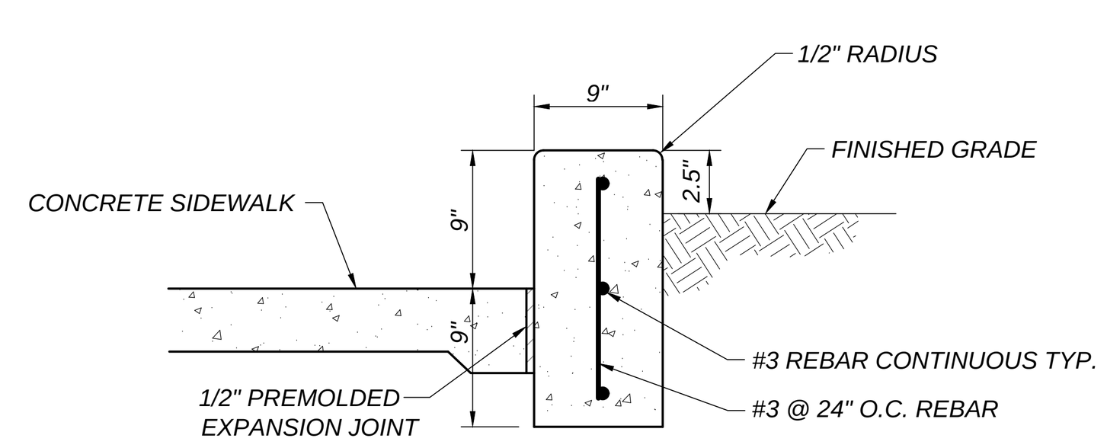
2" AND SMALLER

NOTE:
* COLLAR TO BE 6" THICK IN VEHICULAR TRAFFIC AREAS

C SD/X102 — GATE VALVE AND LID
NOT TO SCALE



D SD/X102 — P-6 SERIES AREA DRAIN
NOT TO SCALE

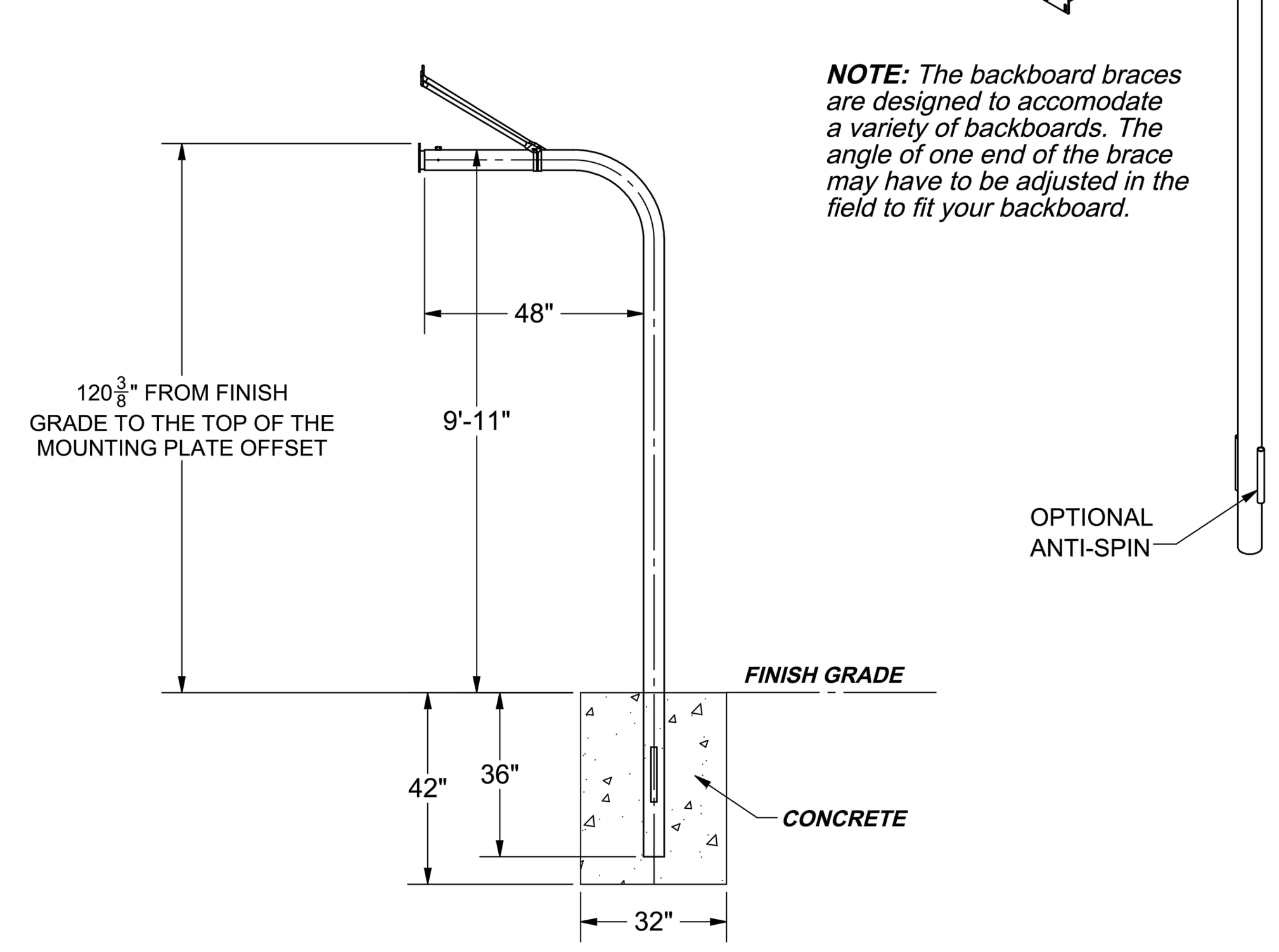


E SD/X102 — PLANTER CURB
NOT TO SCALE

SINGLE BASKETBALL POST

MODEL #LA-12C44 *4-1/2" O.D. WITH 4' OFFSET (185 LBS)*

Verify the vertical position of the mounting plate using a level.



SPECIFICATIONS:

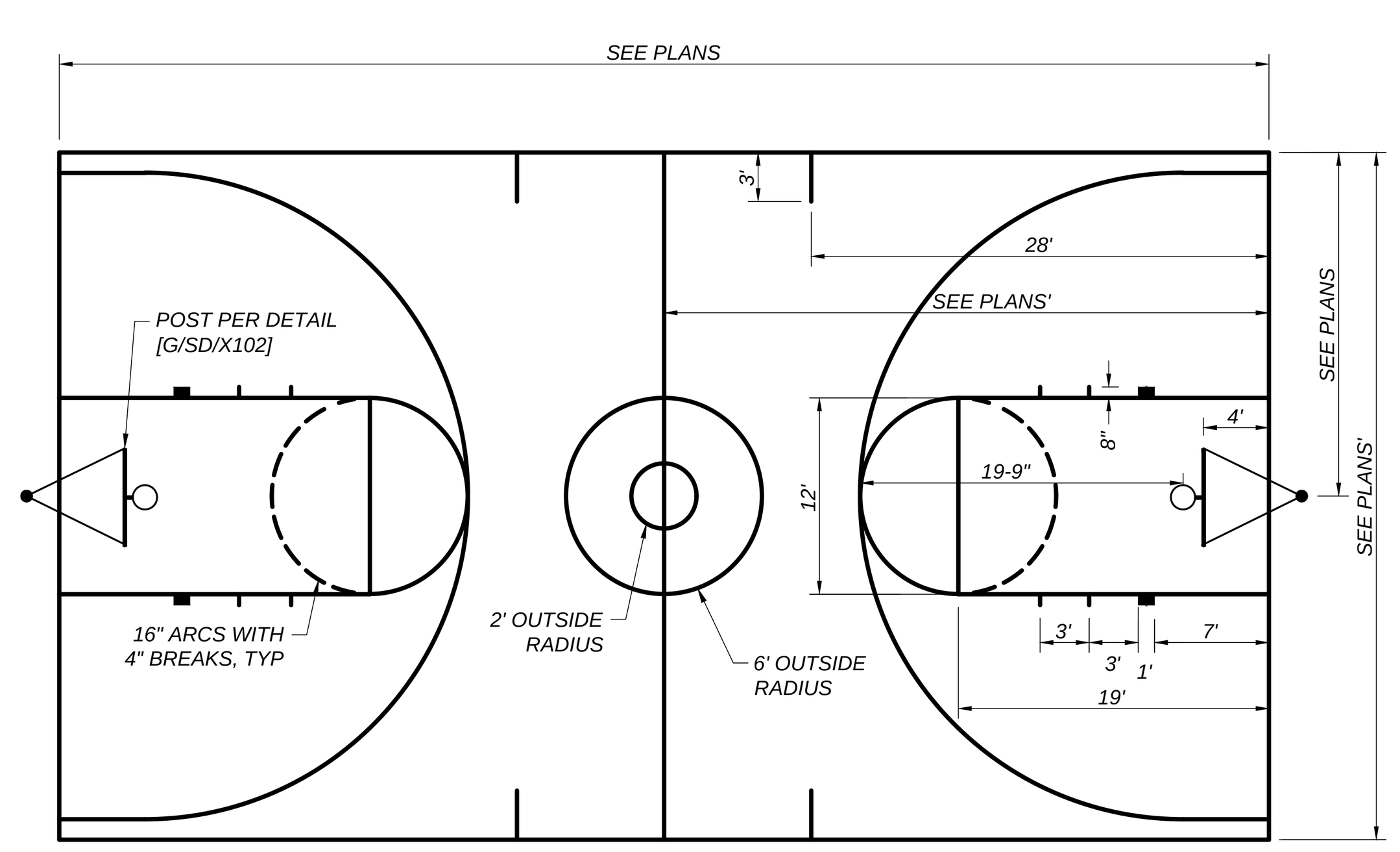
Material: The support post is a single length of 4-1/2" O.D. galvanized steel formed to provide a 4 ft. offset. The backboard mount is a 6-1/4" x 6-1/2" steel plate welded to the sleeve adapter and mounted to the support post with a set screw and drive pins.

A pair of 1" O.D. galvanized steel diagonal braces is mounted between the backboard and the post. The braces bolt to the backboard and are secured to the post with a pair of brace bands formed to fit the post diameter.

All welds are ground smooth and either treated with cold-galvanizing compound or prepared for powder coating, depending on the finish selected. All the hardware is zinc-plated for long rust-free service.

L.A. Steelcraft ELEMENTS FOR LIFE OUTSIDE www.LASTEELCRAFT.com 1-800-371-2438	Date: 8/29/23	SPECIFICATION / INSTALLATION INSTRUCTIONS SINGLE POST GOOSENECK
	Rev:	
	Drawn: CW	MODEL NO. LA-12C44-SPEC
	Sheet: 1 of 2	

G SD/X102 — SINGLE BASKETBALL POST
NOT TO SCALE



PLAYCOURT NOTES:
1. ALL COURT LINES ARE TO BE 2" IN WIDTH.
2. BASKETBALL COURTS SHALL BE STRIPED WHITE.
3. BACKBOARD SHALL MATCH EXISTING ON SITE MODEL AND CONTAIN AN ORANGE TARGET.
4. ALL GAME COURT DIMENSIONS ARE TO THE INSIDE OF COURT LINES, WITH THE EXCEPTION OF THE CENTERLINES.
5. CONTRACTOR IS RESPONSIBLE FOR GAME COURT LAYOUTS AND LOCATING POSTS, AS NEEDED.

F SD/X102 — BASKETBALL COURT
NOT TO SCALE

DSA File No.: 10-89

DSA Application No.: 02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

General Notes

Blair, Church & Flynn
Consulting Engineers
451 Clovis Avenue,
Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

REGISTERED PROFESSIONAL ENGINEER LANE R. BADER No. 47,033 CIVIL STATE OF CALIFORNIA
4/17/25 Date Signed:

Consultant

Mendota Elementary School - Classroom Additions
Mendota Unified School District
605 Bass Avenue, Mendota CA 93640

Project

DETAILS

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT GRANT E. DODSON No. C-20,307 Ren. 6-30-25 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: DG	
Scale: AS NOTED	Drawn By: SD	SD/X102
Project Number: 2277	Checked By: LRB	
Date: 4/22/2025	Reviewed By: JB	Sheet: 10 of: 10

Drawing: P:\224-0172\Site\productiondrawings\224172_DT01.dwg; X102 - BCF.CTB
Plot by: dgaona Apr 22, 2025 - 5:45pm

GENERAL TOPOGRAPHIC SURVEY LEGEND:

(NOT ALL SYMBOLS SHOWN APPEAR ON THE PLANS)

Symbol	Description
AB	ABUTMENT
AC	ASPHALTIC CONCRETE
ACE	ASPHALTIC CONCRETE EDGE
AD	ASPHALTIC CONCRETE DIKE
AWT	ALL-WEATHER TRACK
BD	BRIDGE DECK
BFC	BOTTOM FACE OF CURB
BGST	STEPS
BGTR	TOP OF ROOF
BGV	BUILDING VENTS
BOD	BOTTOM OF DITCH
BR	BARRICADE
BRK	BRICK
BW	BARRIER WALL
CB	CATCH BASIN
CDA	CONCRETE DRIVE APPROACH
CE	CONCRETE EDGE
CMP	CORRUGATED METAL PIPE
CON	CONCRETE
COTH	COMMUNICATION TRENCH
CR	CROWN OF ROAD
CRQ	QUARTER CROWN
CS	CONCRETE SLAB
CULV	CULVERT
CW	CONCRETE WALL
DD	DOWN DRAIN
DFL	DITCH FLOWLINE
DWY	DRIVEWAY
ECTH	ELECTRICAL TRENCH
EDR	EDGE OF DIRT ROAD
EGR	EDGE OF GRAVEL ROAD
EOD	EDGE OF OILED DIRT
EP	EDGE OF PAVEMENT
ES	EDGE OF SHOULDER
ET	EDGE OF TRAVELED WAY
FF	FINISH FLOOR
FOTH	FIBER OPTIC TRENCH
GB	GRADE BREAK
GFL	GUTTER FLOWLINE
GR	GRATE
GRA	GRAVEL SPOT SHOT
GRAE	EDGE OF GRAVEL
GSTH	GAS TRENCH
HDR	WOOD HEADER
HW	HEAD WALL
KR	K-RAIL
LIP	LIP OF GUTTER
LSDE	DECOMPOSED GRANITE EDGE
LSDG	DECOMPOSED GRANITE
LSGC	GROUND COVER
LSGF	GOLF COURSE FAIRWAY
LSGG	GOLF COURSE GREEN
LSGT	GOLF COURSE TEE
LSSA	SAND
LSSP	SLOPE PROTECTION
LSST	GOLF COURSE SAND TRAP
NPTH	NON-POTABLE TRENCH
PA	PATIO

Symbol	Description
PGTH	PROPANE GAS TRENCH
PL	PLANTER
POS	POINT ON SLOPE
RCP	REINFORCED CONCRETE
RIEL	RIPARIAN EDGE OF LAKE
RIEP	RIPARIAN EDGE OF POND
RIES	RIPARIAN EDGE OF STREAM
RIEW	RIPARIAN EDGE OF WETLAND
RIFL	RIPARIAN FLOWLINE
RIMC	RIPARIAN MISC.
RIP	RIP-RAP SLOPE PROTECTION
RK	ROCK
RW	RETAINING WALL
SB	SPEED BUMP
SDCD	STORM DRAIN CROSS DRAIN
SDFL	STORM DRAIN FLOWLINE
SDGR	STORM DRAIN GRATE
SDMG	STORM DRAIN MANHOLE W/ GRATE
SSFL	SEWER FLOWLINE
SDTH	STORM DRAIN TRENCH
SSGT	STORM DRAIN GREASE TRAP
SSST	SEWER TANK (SEPTIC)
SSTH	SEWER TRENCH
SWK	SIDEWALK
SWL	SWALE
T	TURF
TBC	TOP BACK OF CURB
TBW	TOP BACK OF WALK
TF	TOP OF FOOTING
TFC	TOP FACE OF CURB
TFW	TOP FACE OF WALK
TLTH	TELEPHONE TRENCH
TOB	TOP OF BANK
TOE	TOE OF SLOPE
TOP	TOP OF SLOPE
TRDO	TRUNCATED DOMES
TVTH	TV TRENCH
TW	TOP OF WALL
UTH	UNIDENTIFIED TRENCH/SCAR LINE
VGFL	VALLEY GUTTER FLOWLINE
VGR	VALLEY GUTTER
WALBA	BARRIER WALL
WALBW	BLOCK WALL
WALCW	CONCRETE WALL
WALHW	HEAD WALL
WALRW	RETAINING WALL
WALWW	WING WALL
WCR	WHEELCHAIR RAMP
WLPD	WELL PAD
WTTH	WATER TRENCH
WW	WING WALL
(335.21)	EXISTING ELEVATION
AL	ACCENT LIGHT
AV	ALFALFA VALVE
	BACKFLOW ASSEMBLY
	BASKETBALL GOAL
BOV	BLOW-OFF VALVE
	BM=BENCHMARK; OR SBM=SITE BENCHMARK

Symbol	Description
BO	BOLLARD
CO	CLEANOUT
COPB	COMMUNICATION PULLBOX
CVA	COMMUNICATION VAULT
DF	DRINKING FOUNTAIN
DS	DOORSTOP
DW	DRYWELL
EG	ELECTRICAL GROUND
ELC	ELECTRICAL CONDUIT
E	ELECTRICAL METER
EPB	ELECTRICAL PULLBOX
E	ELECTRICAL VAULT LID
ETS	GAS ELECTRONIC TESTING STATION
FDC	FIRE DEPARTMENT CONNECTION
	FIRE HYDRANT
FP	FENCE POST
FLP	FLAG POLE
GAS	GAS LINE; DIAMETER AS SHOWN
GR	GAS REGULATOR
GAV	IRRIGATION GATE VALVE
G	GAS METER
GOP	GOAL POST
GP	GUY POLE
GS	GATE STOP
GSR	GAS RISER
GV	GAS VALVE
GRD	GROUNDING ROD
GUY	GUY WIRE
HB	HOSE BIBB
HR	HANDRAIL
ICB	IRRIGATION CONTROLLER
I	IRRIGATION DISTRICT MANHOLE
IVA	IRRIGATION REMOTE CONTROL VALVE
ISB	IRRIGATION SPLICE BOX
IHB	IN-GROUND HOSE BIBB
IP	IRON PIPE
JP	JOINT UTILITY POLE
LP	LIGHT POLE
MB	MAIL BOX
MH	MANHOLE
MI	MANUAL IRRIGATION VALVE
PB	PULLBOX
PIV	POST INDICATOR VALVE
	PARKING METER
4"POST	POST; DIAMETER AS SHOWN
PP	POWER POLE
6" PVC	PVC PIPE; DIAMETER AS SHOWN
QC	QUICK COUPLER VALVE
RD	ROOF DRAIN
RDU	ROOF DRAIN UNDERGROUND
RS	ROOF SUPPORT
	STADIUM LIGHT POLE
D	STORM DRAIN MANHOLE
	SIGN
PPB	SIGNAL LIGHT PUSH BUTTON
	STREET LIGHT
4" SLE	PIPE SLEEVE; DIAMETER AS SHOWN

Symbol	Description
	SLOPE
SLPB	STREET LIGHT PULLBOX
4"SLV	PIPE SLEEVE; DIAMETER AS SHOWN
S	SEWER MANHOLE
SP	SERVICE POLE
SPB	SIGNAL PULLBOX
	SPRINKLER
4" SPO	STEEL POST; DIAMETER AS SHOWN
12"SS	SAND SEPARATOR; SIZE AS NOTED
24"STP	STAND PIPE; DIAMETER AS NOTED
12"STUMP	TREE STUMP; DIAMETER AS SHOWN
312.55	SURVEY CONTROL MONUMENT
MW	SURVEY MONUMENT WELL
4"TEL	TELEPHONE; DIAMETER AS SHOWN
T	TELEPHONE MANHOLE
TN	TENNIS NET POLE
TP	TELEPHONE POLE
TPB	TELEPHONE PULLBOX
TVPB	TELEVISION PULLBOX
6"	TREE; SPREAD SHOWN GRAPHICALLY AND TRUNK DIAMETER AS SHOWN
	PALM TREE; SPREAD SHOWN GRAPHICALLY
TSB	TELEPHONE SPLICE BOX
	TRAFFIC SIGNAL POLE
TSPB	TRAFFIC SIGNAL PULLBOX
UP	UTILITY POLE
UR	UTILITY RISER
	UTILITY STUB
VB	VACUUM BREAKER
VN	VOLLEYBALL NET POST
2"VP	VENT PIPE; DIAMETER AS SHOWN
WELL	WELL
W	WATER METER
WP	WELL PUMP
6"WPO	CIRCULAR WOOD POST; DIAMETER AS SHOWN
4"X4"WPO	SQUARE WOOD POST; SIZE AS SHOWN
4"W	WATER LINE; DIAMETER AS SHOWN
WV	WATER VALVE
	ASPHALT PAVEMENT
	CONCRETE BLOCK WALL
	BUILDING
	CONCRETE
	DETECTABLE WARNINGS
	DG OR GRAVEL
	CHAIN LINK FENCE
	CHAIN LINK ROLL GATE
	EDGE OF ASPHALT PAVEMENT
	WOOD FENCE
	DIRECTION OF FLOW
E	UNDERGROUND ELECTRIC
G 8"	GAS LINE; SIZE AS NOTED
OT	OVERHEAD TELEPHONE
SD 18"	STORM DRAIN LINE; SIZE AS NOTED
S 12"	SEWER LINE; SIZE AS NOTED

Symbol	Description
T	UNDERGROUND TELEPHONE
W 8"	WATER LINE; SIZE AS NOTED
AG 12"	AGRICULTURAL IRRIGATION LINE; SIZE AS NOTED
A 1"	AIR LINE; SIZE AS NOTED
C	COMMUNICATION LINE
350	MAJOR GRADE CONTOUR LINE
345	MINOR GRADE CONTOUR LINE
CW 2"	CHILLED WATER LINE; SIZE AS NOTED
CWR 2"	CHILLED WATER RETURN LINE; SIZE AS NOTED
CWS 2"	CHILLED WATER SUPPLY LINE; SIZE AS NOTED
	LIMIT OF DIRT
	LIMIT OF TURF
DL 1"	DRAIN LINE; SIZE AS NOTED
EMS	EMERGENCY MANAGEMENT SYSTEM
FA	FIRE ALARM LINE
F 8"	FIRE LINE; SIZE AS NOTED
FO	FIBER OPTIC LINE
	DRAIN TUBE
HW 2"	HOT WATER LINE; SIZE AS NOTED
HWR 2"	HOT WATER RETURN LINE; SIZE AS NOTED
HWS 2"	HOT WATER SUPPLY LINE; SIZE AS NOTED
HYD	HYDRAULIC LINE
ID 18"	IRRIGATION DISTRICT; SIZE AS NOTED
	IRON FENCE
IRR 3"	IRRIGATION MAIN LINE; SIZE AS NOTED
L 1"	IRRIGATION LATERAL LINE; SIZE AS NOTED
ITS	INTELLIGENT TRAFFIC SYSTEM
JT	JOINTLY TRENCHED UTILITIES
OC	OVERHEAD COMMUNICATIONS LINE
OE	OVERHEAD ELECTRIC LINE
OEC	OVERHEAD ELECTRIC AND COMMUNICATION LINE
OET	OVERHEAD ELECTRIC AND TELEPHONE LINE
OETV	OVERHEAD ELECTRIC AND TELEVISION LINE
OETVT	OVERHEAD ELECTRIC, TELEVISION AND TELEPHONE LINE
OTS	OVERHEAD TRAFFIC SIGNAL LINE
OTV	OVERHEAD TELEVISION LINE
OU	OVERHEAD UTILITY LINE
P 6"	PETROLEUM LINE; SIZE AS NOTED
RWI 3"	RECYCLED WATER IRRIGATION LINE; SIZE AS NOTED
8"	SEWER AND STORM DRAIN LINE; SIZE AS NOTED
SFM 6"	SEWER FORCE MAIN; SIZE AS NOTED
ST 2"	STEAM LINE; SIZE AS NOTED
TFO	TRAFFIC FIBER OPTIC LINE
TS	TRAFFIC SIGNAL LINE
TV	TELEVISION LINE
UNK	UNKNOWN UTILITY LINE
	WIRE FENCE
	PROPERTY LINE
	CITY LIMIT
	EASEMENT 1
	EASEMENT 2
	RIGHT-OF-WAY LINE
	SETBACK LINE

DSA File No.: 10-89

DSA Application No.: 02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

SURVEY NOTES:

1. THIS TOPOGRAPHIC SURVEY LOCATES SPECIFIC PHYSICAL FEATURES OF THE SITE AND THEIR ELEVATION AS DETERMINED NECESSARY BY THE PROJECT ENGINEER. IT IS NOT A COMPLETE TOPOGRAPHIC SURVEY OF THE SITE. THE INFORMATION SHOWN REFLECTS THE DATA OBTAINED BY FIELD SURVEY CONDUCTED ON 03/22/2024 AND 11/07/2024.
2. UTILITY INFORMATION SHOWN HEREON IS BASED ON RECORD INFORMATION SUPPLIED TO THE ENGINEER BY UTILITY COMPANIES, PUBLIC AGENCIES AND THE PROPERTY OWNER, TOGETHER WITH OBSERVATION OF VISIBLE EVIDENCE BY A FIELD SURVEY. THE ENGINEER CAN MAKE NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF THE UNDERGROUND UTILITY FACILITIES SHOWN. PRIOR TO ANY SITE EXCAVATIONS, THE CONTRACTOR SHALL CONTACT THE OWNER AND UNDERGROUND SERVICE ALERT (USA) AND REQUEST THAT THEY IDENTIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AT THE SITE.

SITE BENCHMARK:

SPIKE IN TURF APPROXIMATELY 12' EAST FROM THE NORTHEASTERN CORNER OF BUILDING 500

ELEV.= 162.23 NAVD88

General Notes

Blair, Church & Flynn
CONSULTING ENGINEERS
Blair, Church & Flynn Consulting Engineers
451 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500
REGISTERED PROFESSIONAL ENGINEER — LANE R. BADY — No. 47303 — CIVIL — STATE OF CALIFORNIA
4/17/25 Date Signed

Consultant

Mendota Elementary School - Classroom Additions
Mendota Unified School District
605 Bass Avenue, Mendota CA 93640

Project

TOPOGRAPHIC SURVEY LEGEND AND NOTES

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051
LICENSED ARCHITECT — STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: DG	Copyright 2025 Darden Architects
Scale: AS NOTED	Drawn By: SD	SD/C100
Project Number: 2277	Checked By: LRB	
Date: 4/22/2025	Reviewed By: JB	Sheet: 1 of: 10

DSA File No.: 10-89

DSA Application No.: 02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

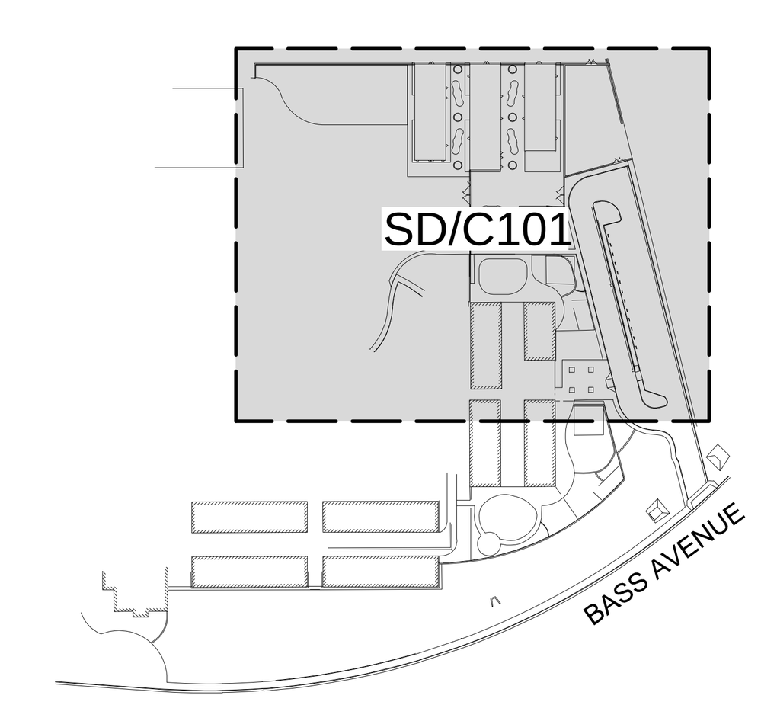
SURVEY NOTES:

1. THIS TOPOGRAPHIC SURVEY LOCATES SPECIFIC PHYSICAL FEATURES OF THE SITE AND THEIR ELEVATION AS DETERMINED NECESSARY BY THE PROJECT ENGINEER. IT IS NOT A COMPLETE TOPOGRAPHIC SURVEY OF THE SITE. THE INFORMATION SHOWN REFLECTS THE DATA OBTAINED BY FIELD SURVEY CONDUCTED ON 03/22/2024 AND 11/07/2024.
2. UTILITY INFORMATION SHOWN HEREON IS BASED ON RECORD INFORMATION SUPPLIED TO THE ENGINEER BY UTILITY COMPANIES, PUBLIC AGENCIES AND THE PROPERTY OWNER, TOGETHER WITH OBSERVATION OF VISIBLE EVIDENCE BY A FIELD SURVEY. THE ENGINEER CAN MAKE NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF THE UNDERGROUND UTILITY FACILITIES SHOWN. PRIOR TO ANY SITE EXCAVATIONS, THE CONTRACTOR SHALL CONTACT THE OWNER AND UNDERGROUND SERVICE ALERT (USA) AND REQUEST THAT THEY IDENTIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AT THE SITE.

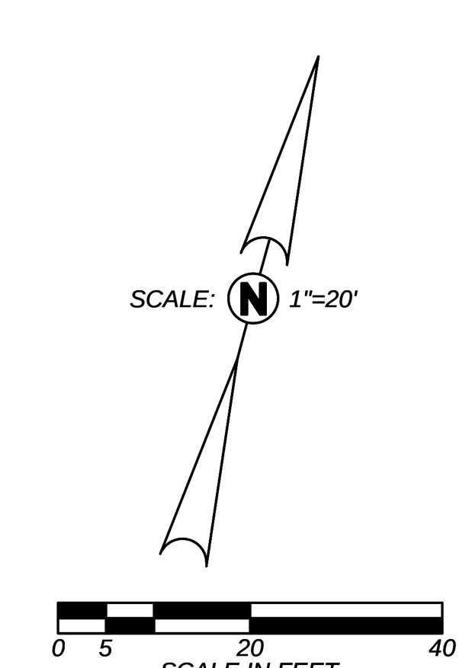
SITE BENCHMARK:

SPIKE IN TURF APPROXIMATELY 12' EAST FROM THE NORTHEASTERN CORNER OF BUILDING 500

ELEV.= 162.23 NAVD88



KEYMAP



General Notes

Blair, Church & Flynn
Consulting Engineers
451 Clovis Avenue,
Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

REGISTERED PROFESSIONAL ENGINEER LANE R. BADER No. 47,033 CIVIL STATE OF CALIFORNIA

4/17/25
Date Signed:

Consultant

Mendota Elementary School - Classroom Additions
Mendota Unified School District
605 Bass Avenue, Mendota CA 93640

Project

TOPOGRAPHIC SURVEY

Drawing

darden architects
ARCHITECTURE
PLANNING
INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT GRANT E. DODSON No. C-20,307 Ren. 6-30-25 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: DG	
Scale: AS NOTED	Drawn By: SD	SD/C101
Project Number: 2277	Checked By: LRB	
Date: 4/22/2025	Reviewed By: JB	Sheet: 2 of: 10

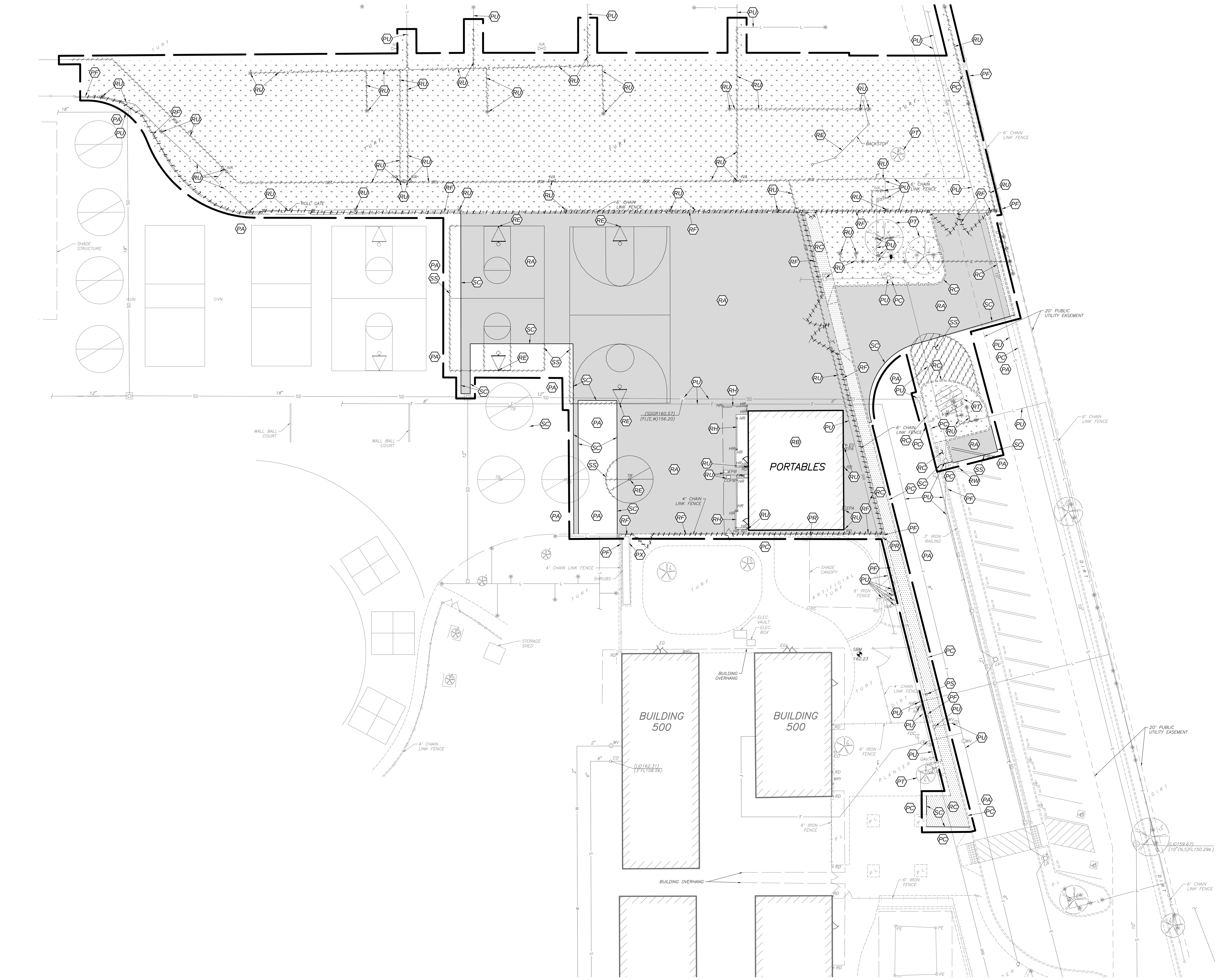
Drawing: P:\224-0172\Site\productiondrawings\224172_T001.dwg; C101 – BCF.CTB
Plot by: dgaona Apr 22, 2025 – 5:44pm

DSA File No.: 10-89

DSA Application No.: 02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

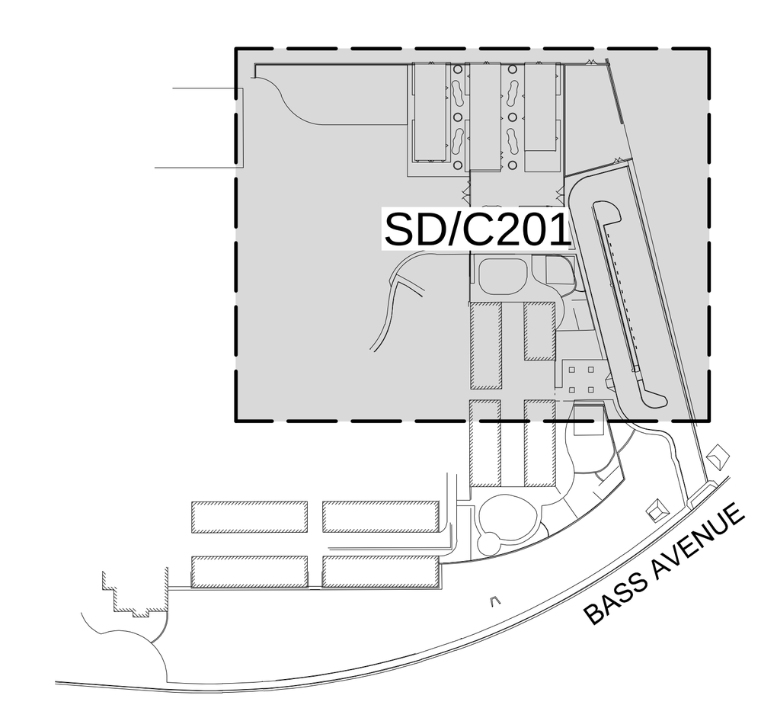


DEMOLITION LEGEND:

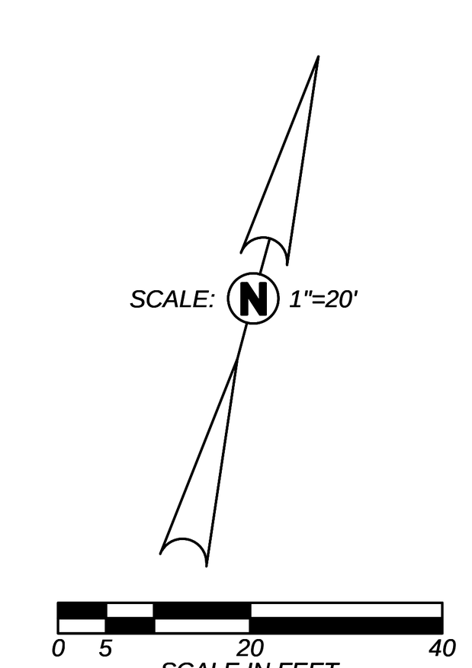
(dashed line)	APPROXIMATE LIMIT OF DEMOLITION. REMOVE EXISTING IMPROVEMENTS AS NECESSARY TO CONSTRUCT NEW IMPROVEMENTS SHOWN ON THESE PLANS UNLESS OTHERWISE NOTED ON THE PLAN. THE REMOVAL OF IMPROVEMENTS MUST BE COORDINATED WITH ALL PLAN SHEETS. CONTRACTOR MUST ALSO COORDINATE REMOVAL OF IMPROVEMENTS WITH UTILITY AGENCIES. PROTECT ALL IMPROVEMENTS NOT DESIGNATED FOR REMOVAL. SEE NOTE 1
(hatch)	LIMITS OF VEGETATION REMOVAL, 4" MINIMUM DEPTH
(hatch)	LIMITS OF CONCRETE IMPROVEMENT REMOVAL
(hatch)	LIMITS OF ASPHALTIC CONCRETE IMPROVEMENT REMOVAL
PA	PROTECT ASPHALT CONCRETE PAVEMENT TO REMAIN
PC	PROTECT CONCRETE IMPROVEMENTS TO REMAIN
PF	PROTECT FENCE TO REMAIN
PR	PROTECT ROOF SUPPORT
PS	PROTECT SIGN TO REMAIN
PT	PROTECT TREE AND ROOTS TO REMAIN
PU	PROTECT UTILITY TO REMAIN
PX	PROTECT SHRUBS TO REMAIN
RA	REMOVE AND LAWFULLY DISPOSE OF ASPHALT CONCRETE PAVEMENT STRUCTURAL SECTION
RB	REMOVE AND LAWFULLY DISPOSE OF BUILDING
RC	REMOVE AND LAWFULLY DISPOSE OF CONCRETE IMPROVEMENTS
RE	REMOVE AND SALVAGE ATHLETIC EQUIPMENT TO OWNER
RF	REMOVE AND LAWFULLY DISPOSE OF CHAIN LINK FENCE FABRIC, POSTS AND FOOTINGS
RH	REMOVE AND LAWFULLY DISPOSE OF HANDRAIL
RT	REMOVE AND LAWFULLY DISPOSE OF TREE AND ROOTS
RU	REMOVE AND LAWFULLY DISPOSE OF UTILITY
RW	REMOVE AND LAWFULLY DISPOSE OF CONCRETE WHEELSTOP
SC	SAWCUT
SS	SANDBLAST STRIPING
(tree symbol)	REMOVE TREE
(line)	LIMIT OF CHAIN LINK FENCE REMOVAL
IRR (line)	LIMIT OF IRRIGATION MAIN LINE REMOVAL/ABANDONMENT
L (line)	LIMIT OF IRRIGATION LATERAL LINE REMOVAL/ABANDONMENT
(line)	LIMIT OF STRIPING REMOVAL

GENERAL DEMOLITION NOTES:

1. THE "LIMIT OF DEMOLITION" SHOWN IS APPROXIMATE AND IS GENERALLY CONSIDERED TO BE THE MINIMUM REMOVAL REQUIREMENTS. CONTRACTOR MUST COORDINATE AS NOTED IN THE LEGEND.
2. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL DEMOLISHED MATERIALS OFF SITE.
3. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITY IMPROVEMENTS NOT SPECIFICALLY DESIGNATED FOR REMOVAL.
4. THE ON-SITE UNDERGROUND UTILITIES SHOWN ON THIS SHEET ARE AT APPROXIMATE LOCATIONS. THE EXTENT, LOCATIONS AND SIZES ARE UNKNOWN. THE CONTRACTOR SHALL POTHOLE TO LOCATE AND VERIFY THE UNDERGROUND UTILITY LINES PRIOR TO REMOVAL.
5. CONTRACTOR TO PROTECT AND PRESERVE IN PLACE ANY FOUND SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE RESET BY A CALIFORNIA LICENSED SURVEYOR AND THE APPROPRIATE PAPERWORK FILED WITH THE CITY OR COUNTY, AT CONTRACTOR'S EXPENSE.
6. ALL HAZARDOUS MATERIALS ENCOUNTERED DURING SITE DEMOLITION SHALL BE REMEDIATED AND DISPOSED OF PER STATE AND EPA REQUIREMENTS.
7. CONTRACTOR SHALL CONTACT AND COORDINATE WITH ALL UTILITY AGENCIES PRIOR TO THE START OF ANY DEMOLITION OR CONSTRUCTION.
8. ANY EXISTING UTILITIES AND/OR IMPROVEMENTS WHICH ARE TO REMAIN, THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE OWNER AND AGENCY HAVING AUTHORITY, AT THE CONTRACTOR'S SOLE EXPENSE.
9. REMOVE EXISTING IMPROVEMENTS AS NECESSARY TO CONSTRUCT NEW IMPROVEMENTS SHOWN ON THESE PLANS.
   a) FOR CONCRETE REMOVAL, REMOVE TO THE NEXT NEAREST TOOLED JOINT OR EXPANSION JOINT OF IMPROVEMENTS DESIGNATED TO REMAIN.
   b) FOR ASPHALTIC PAVEMENT REMOVAL. SAWCUT TO A STRAIGHT, CLEAN EDGE AT LOCATIONS INDICATED ON THE PLANS.
10. REFER TO ELECTRICAL. IRRIGATION, AND ARCHITECTURAL PLANS FOR ADDITIONAL DEMOLITION AND COORDINATION.
11. COMPLIANCE WITH FIRE SAFETY DURING CONSTRUCTION WILL BE ENFORCED.



KEYMAP



Know what's below. Call before you dig.

General Notes

Blair, Church & Flynn
Consulting Engineers
451 Clovis Avenue,
Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

REGISTERED PROFESSIONAL ENGINEER LANE R. BADER No. 47,033 CIVIL STATE OF CALIFORNIA

Date Signed: 4/17/25

Consultant

Mendota Elementary School - Classroom Additions
Mendota Unified School District
605 Bass Avenue, Mendota CA 93640

Project

DEMOLITION PLAN

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT GRANT E. DODSON No. C-20,307 Ren. 6-30-25 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: DG	
Scale: AS NOTED	Drawn By: SD	SD/C201
Project Number: 2277	Checked By: LRB	
Date: 4/22/2025	Reviewed By: JB	Sheet: 3 of: 10

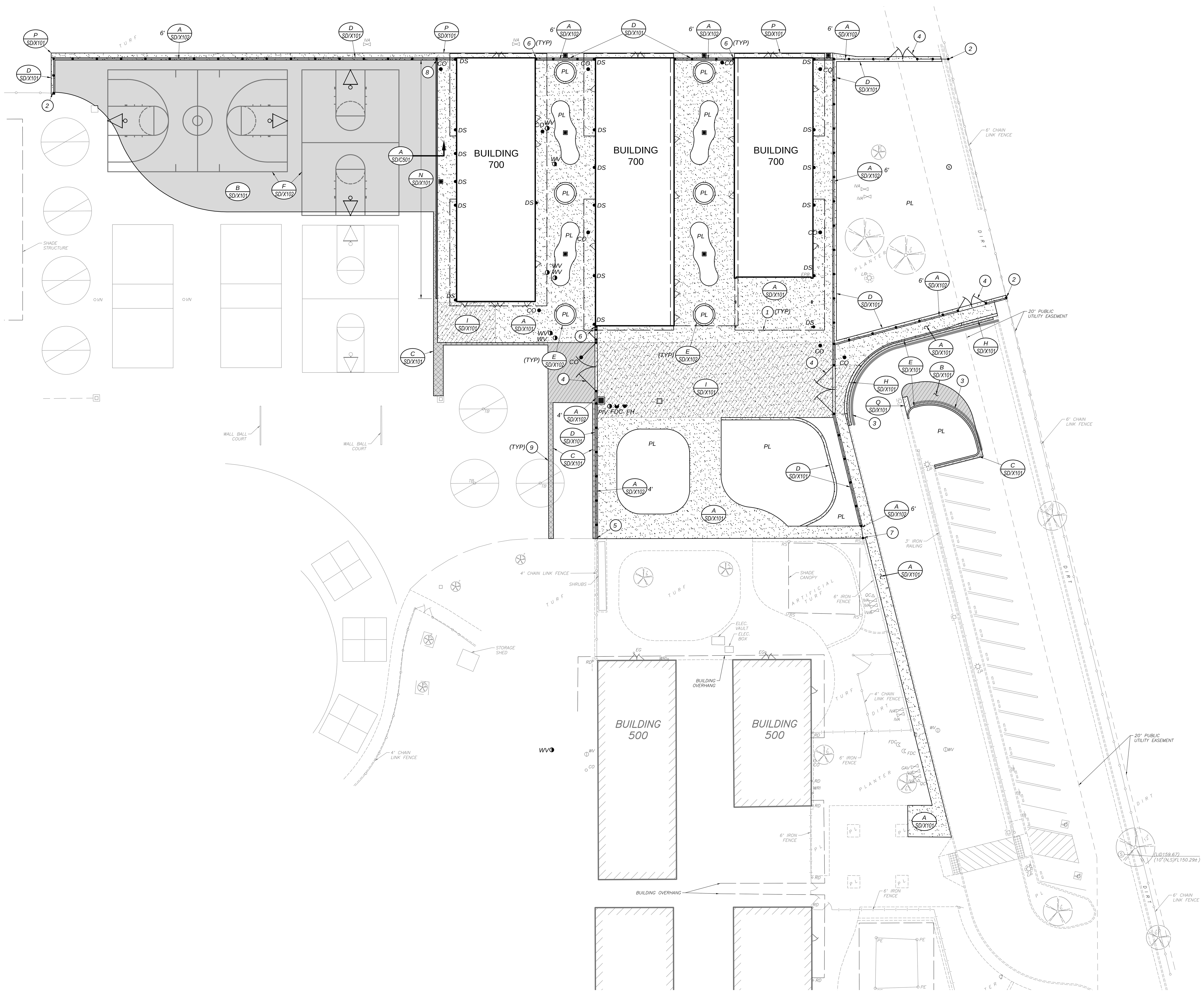
Drawing: P:\224-0172\Site\productiondrawings\224172_DE01.dwg; C201 - BCF.CTB
Plot by: dgaona Apr 22, 2025 - 5:44pm

DSA File No.: 10-89

DSA Application No.: 02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval



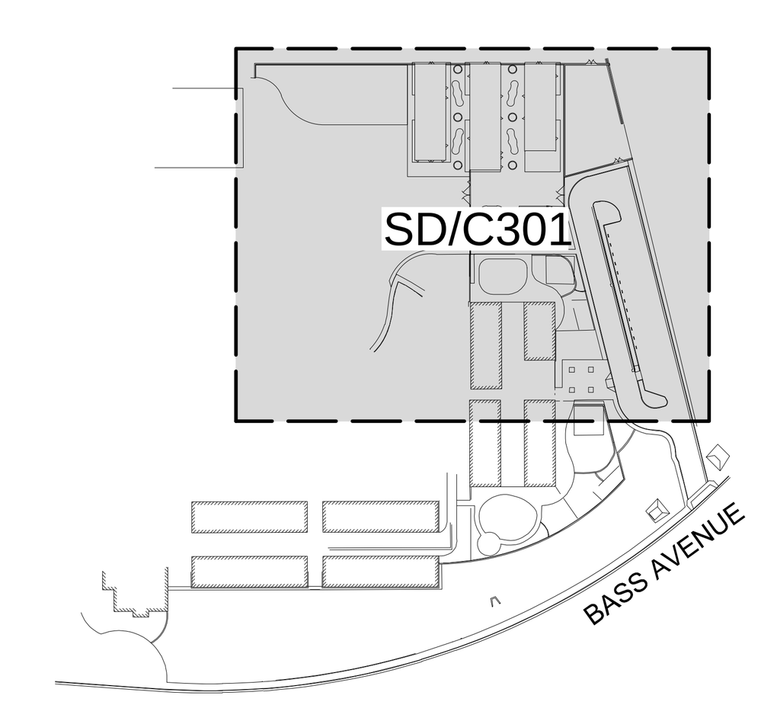
SITE LEGEND:

- LIMITS OF CONCRETE IMPROVEMENTS
- LIMITS OF ASPHALT PLUG IMPROVEMENTS [C/SD/X101]
- LIMITS OF ASPHALTIC CONCRETE PAVEMENT STRUCTURAL SECTION PER DETAIL [B/SD/X101]
- LIMITS OF HEAVY DUTY ASPHALTIC CONCRETE PAVEMENT STRUCTURAL SECTION PER DETAIL [B/SD/X101]
- LIMITS OF HEAVY DUTY CONCRETE IMPROVEMENTS PER DETAIL [I/SD/X101]
- LIMITS OF PAINTED CURB
- PL — PLANTER
- (1) BUILDING OVERHANG
- (2) CONNECT EXISTING FENCE FABRIC TO POST PER DETAIL [A/SD/X102]
- (3) PAINT TOP AND FACE OF CURB RED WITH 4" HIGH WHITE LETTERING, "NO PARKING - FIRE LANE", AT 30' ON CENTER. WHERE NO CURB EXISTS, PAINT ASPHALT
- (4) DOUBLE DRIVE GATE PER DETAIL [A/SD/X102]
- (5) CONNECT NEW FENCE FABRIC TO POST PER DETAIL [A/SD/X102]
- (6) INSTALL CHAIN LINK FENCE POST SO THAT THERE IS A 4" MAXIMUM SEPARATION FROM THE BUILDING
- (7) INSTALL NEW FENCE POST PER DETAIL [A/SD/X102]
- (8) INSTALL END OF GUARDRAIL SO THAT THERE IS A 4" MAXIMUM SEPARATION FROM THE CHAIN LINK FENCE
- (9) RESTRIPE PLAYAREA STRIPING AFFECTED BY SITE IMPROVEMENTS TO MATCH EXISTING

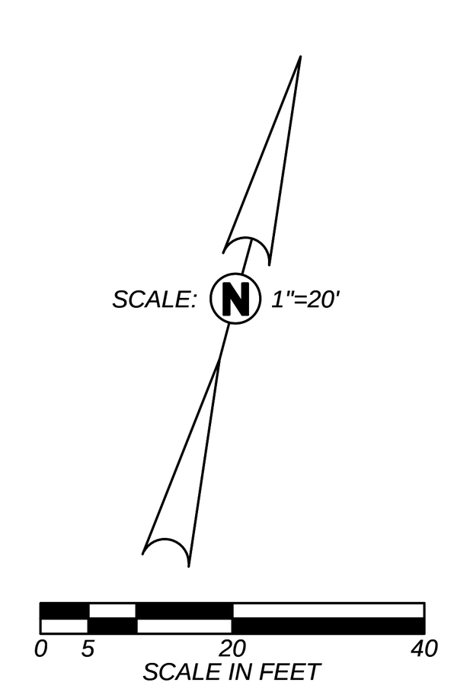
GENERAL SITE NOTES:

1. ALL CONCRETE MOWSTRIPS, RAMPS AND SIDEWALKS SHALL HAVE WEAKENED PLANE JOINTS AT 10 FEET MAXIMUM ON CENTER AND EXPANSION JOINTS AT 30 FEET MAXIMUM ON CENTER PER DETAIL [A/SD/X101]
2. INSTALL DOWELED CONNECTION AT JOINT OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL [G/SD/X101]
3. NO CONCRETE MAY BE POURED UNTIL THE FORMS HAVE BEEN REVIEWED AND APPROVED BY THE PROJECT INSPECTOR.
4. ALL BURIED METALLIC OBJECTS SHALL HAVE A PROTECTIVE COATING OR BE WRAPPED WITH APPROVED PROTECTIVE WRAP.
5. ADJUST EXISTING SPRINKLER HEADS AND LATERAL LINES AS REQUIRED BY NEW IMPROVEMENTS, OR AS SHOWN ON THE IRRIGATION PLANS.
6. 2 WORKING DAYS BEFORE COMMENCING EXCAVATION OPERATIONS WITHIN THE STREET RIGHT-OF-WAY AND/OR UTILITY EASEMENTS, ALL EXISTING UNDERGROUND FACILITIES SHALL HAVE BEEN LOCATED BY UNDERGROUND SERVICES ALERT (USA). CALL 1-800-642-2444
7. ANY SURVEY MONUMENTS WITHIN THE AREA OF CONSTRUCTION SHALL BE PRESERVED OR RESET BY A PERSON LICENSED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA. REPLACEMENT TO BE AT CONTRACTOR'S SOLE EXPENSE.
8. REPAIR ALL DAMAGED AND/OR OFF-GRADE CONCRETE STREET IMPROVEMENTS AS DETERMINED BY THE AGENCY HAVING JURISDICTION PRIOR TO OCCUPANCY
9. NO PAVEMENT STRIPING IS ALLOWED PRIOR TO SEAL COAT REVIEW BY ENGINEER, AND WRITTEN APPROVAL TO PROCEED BY ENGINEER.
10. OBTAIN ALL REQUIRED PERMITS AND APPROVALS FROM AGENCY HAVING JURISDICTION FOR WORK WITHIN THE PUBLIC RIGHT OF WAY
11. SEE ARCHITECTURAL SITE PLANS FOR ITEMS NOT SPECIFIED ON THIS SHEET

General Notes



KEYMAP



Know what's below. Call before you dig.

Blair, Church & Flynn
Consulting Engineers
451 Clovis Avenue,
Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

REGISTERED PROFESSIONAL ENGINEER LANE R. BADER No. 47,033 CIVIL STATE OF CALIFORNIA
4/17/25 Date Signed:

Consultant

Mendota Elementary School - Classroom Additions
Mendota Unified School District
605 Bass Avenue, Mendota CA 93640

Project

SITE PLAN

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT GRANT E. DODSON No. C-20,307 Ren. 6-30-25 STATE OF CALIFORNIA

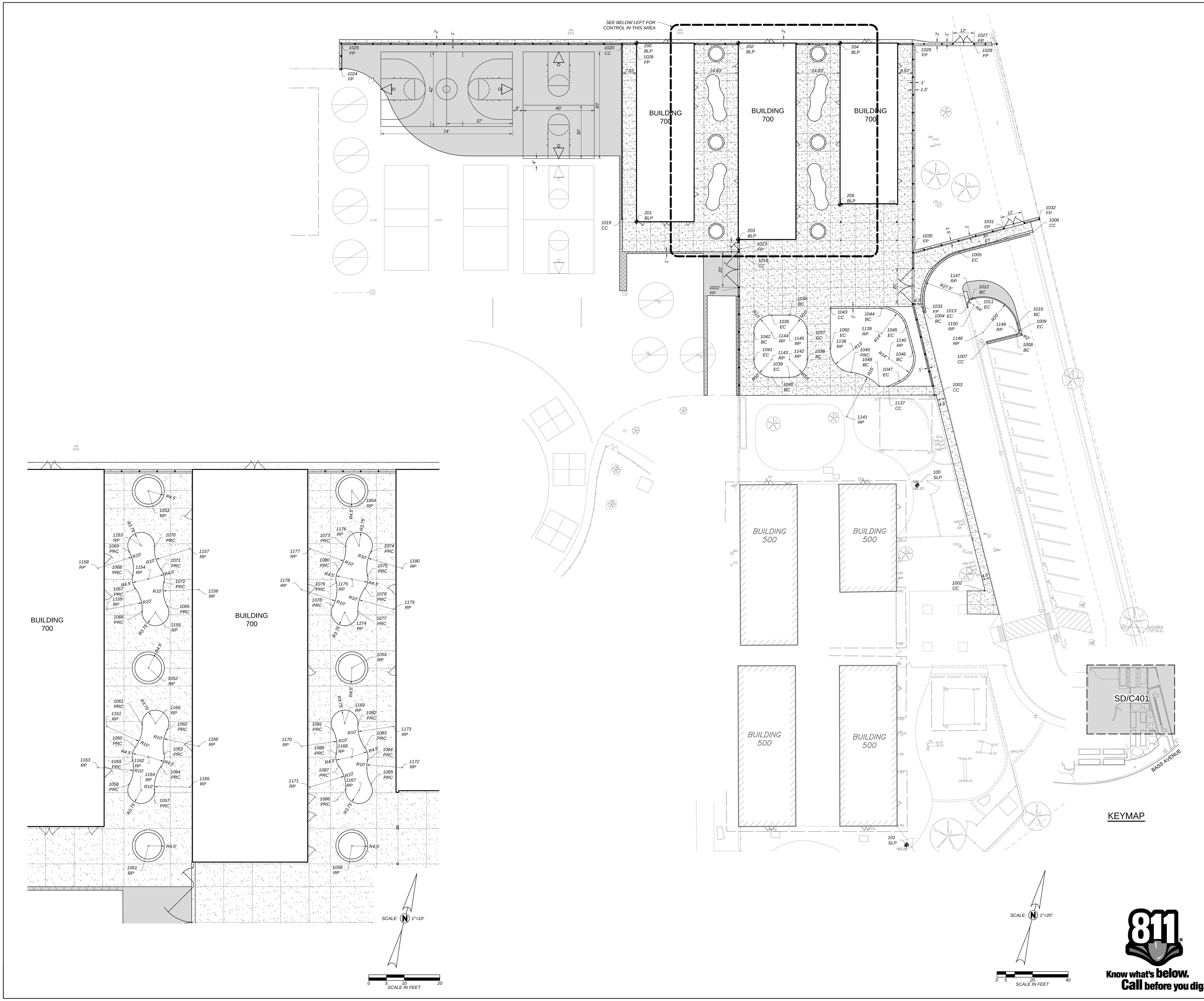
Architect

No.	Revision/Submission	Date

Revision

	Designed By: DG	
Scale: AS NOTED	Drawn By: SD	SD/C301
Project Number: 2277	Checked By: LRB	
Date: 4/22/2025	Reviewed By: JB	Sheet: 4 of: 10

Drawing: P:\224-0172\Site\productiondrawings\224172_SI01.dwg; C301 – BCF.CTB
Plot by: dgaona Apr 22, 2025 – 5:44pm



DSA File No.: 10-89

DSA Application No.: 02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

GENERAL HORIZONTAL CONTROL NOTES:

1. ALIGNMENT OF THE SITE LAYOUT IS BASED ON AN ASSUMED COORDINATE SYSTEM.
2. DIMENSIONS AND POINTS ARE TO CENTER OF FENCE POSTS, FACE OF BUILDINGS, TOP FACE OF CURB, OR EDGE OF CONCRETE, UNLESS SHOWN OTHERWISE.
3. SITE LAYOUT 100 IS A SPIKE AND TIN LOCATED IN THE TURF APPROXIMATELY 12' NORTHEASTERLY OF THE NORTHEASTERN CORNER OF BUILDING 500.
4. SITE LAYOUT 101 IS A CHISELED 'X' LOCATED ON CONCRETE SIDEWALK APPROXIMATELY 12' SOUTH OF THE SOUTHEASTERN CORNER OF BUILDING 500 NEAR THE CHAIN LINK FENCE GATE.

HORIZONTAL CONTROL LEGEND:

1000 LCP	LAYOUT COORDINATE POINT
100 SLP	SITE LAYOUT POINT
200 BLP	BUILDING LAYOUT POINT
CC	CORNER CONCRETE
BC	BEGIN CURVE
EC	END CURVE
FP	FENCE POST
PRC	POINT OF REVERSE CURVE
RP	RADIUS POINT

General Notes

Blair, Church & Flynn
CONSULTING ENGINEERS
Blair, Church & Flynn
Consulting Engineers
451 Clovis Avenue,
Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

REGISTERED PROFESSIONAL ENGINEER
LANE R. BADER
No. 47,033
CIVIL
STATE OF CALIFORNIA
4/17/25
Date Signed:

Consultant

Mendota Elementary School - Classroom Additions

Mendota Unified School District
605 Bass Avenue, Mendota CA 93640

Project

HORIZONTAL CONTROL PLAN

Drawing

darden architects
ARCHITECTURE
PLANNING
INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT
GRANT E. DODSON
No. C-20,307
Ren. 6-30-25
STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: DG	
Scale: AS NOTED	Drawn By: SD	SD/C401
Project Number: 2277	Checked By: LRB	
Date: 4/22/2025	Reviewed By: JB	Sheet: 5 of: 10

Drawing: P:\224-0172\Site\productiondrawings\224172_HC01.dwg; C401 - BCF.CTB
Plot by: dgaona Apr 22, 2025 - 5:44pm

DSA File No.: 10-89

DSA Application No.: 02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

NORTHING EASTING TABLE

POINT	NORTHING	EASTING	ABV	DESCRIPTION
100	2165303.65	6157214.13	SLP	SITE LAYOUT POINT
101	2165106.70	6157260.73	SLP	SITE LAYOUT POINT
200	2165502.87	6156997.37	BLP	BUILDING LAYOUT POINT
201	2165405.90	6157023.35	BLP	BUILDING LAYOUT POINT
202	2165517.69	6157052.65	BLP	BUILDING LAYOUT POINT
203	2165411.05	6157081.22	BLP	BUILDING LAYOUT POINT
204	2165532.50	6157107.93	BLP	BUILDING LAYOUT POINT
205	2165444.84	6157131.41	BLP	BUILDING LAYOUT POINT
1002	2165256.15	6157266.42	CC	CORNER CONCRETE
1003	2165355.31	6157211.33	CC	CORNER CONCRETE
1004	2165399.20	6157192.53	BC	BEGIN CURVE
1005	2165436.43	6157202.83	EC	END CURVE
1006	2165457.99	6157240.26	CC	CORNER CONCRETE
1007	2165391.33	6157231.22	CC	CORNER CONCRETE
1008	2165399.80	6157246.35	BC	BEGIN CURVE
1009	2165402.53	6157247.12	EC	END CURVE
1010	2165406.03	6157245.16	BC	BEGIN CURVE
1011	2165413.70	6157217.94	EC	END CURVE
1012	2165413.12	6157216.90	BC	BEGIN CURVE
1013	2165407.44	6157215.49	EC	END CURVE
1018	2165404.31	6157082.77	CC	CORNER CONCRETE
1019	2165405.37	6157015.37	CC	CORNER CONCRETE
1020	2165499.98	6156990.02	CC	CORNER CONCRETE
1022	2165385.13	6157088.48	FP	FENCE POST
1023	2165405.65	6157082.93	FP	FENCE POST
1024	2165445.84	6156840.71	FP	FENCE POST
1025	2165459.50	6156837.04	FP	FENCE POST
1026	2165502.39	6156997.08	FP	FENCE POST
1027	2165554.85	6157193.22	FP	FENCE POST
1028	2165551.54	6157180.88	FP	FENCE POST
1029	2165542.65	6157147.72	FP	FENCE POST
1030	2165429.30	6157178.09	FP	FENCE POST
1031	2165455.73	6157223.85	FP	FENCE POST
1032	2165466.04	6157241.72	FP	FENCE POST
1033	2165401.48	6157185.54	FP	FENCE POST
1035	2165374.82	6157110.38	EC	END CURVE
1036	2165377.41	6157120.04	BC	BEGIN CURVE
1037	2165370.34	6157132.29	EC	END CURVE
1038	2165355.85	6157136.17	BC	BEGIN CURVE
1039	2165343.60	6157129.10	EC	END CURVE
1040	2165341.01	6157119.44	BC	BEGIN CURVE
1041	2165348.08	6157107.19	EC	END CURVE
1042	2165362.57	6157103.31	BC	BEGIN CURVE
1043	2165387.00	6157141.28	CC	CORNER CONCRETE
1044	2165394.48	6157169.19	BC	BEGIN CURVE
1045	2165387.96	6157184.94	EC	END CURVE
1046	2165375.26	6157192.27	BC	BEGIN CURVE
1047	2165357.54	6157189.14	EC	END CURVE
1048	2165351.81	6157179.05	BC	BEGIN CURVE
1049	2165355.29	6157161.86	PRC	POINT OF REVERSE CURVE
1050	2165364.88	6157147.21	EC	END CURVE
1051	2165412.27	6157068.04	RP	RADIUS POINT
1052	2165460.56	6157055.10	RP	RADIUS POINT
1053	2165508.68	6157042.21	RP	RADIUS POINT
1054	2165523.49	6157097.49	RP	RADIUS POINT
1055	2165475.37	6157110.38	RP	RADIUS POINT
1056	2165427.08	6157123.31	RP	RADIUS POINT
1057	2165428.03	6157065.61	PRC	POINT OF REVERSE CURVE
1058	2165427.65	6157058.40	PRC	POINT OF REVERSE CURVE
1059	2165434.37	6157057.55	PRC	POINT OF REVERSE CURVE
1060	2165438.04	6157057.37	PRC	POINT OF REVERSE CURVE
1061	2165444.80	6157057.53	PRC	POINT OF REVERSE CURVE
1062	2165445.16	6157064.74	PRC	POINT OF REVERSE CURVE
1063	2165438.44	6157065.58	PRC	POINT OF REVERSE CURVE
1064	2165434.80	6157065.76	PRC	POINT OF REVERSE CURVE
1065	2165478.72	6157055.75	PRC	POINT OF REVERSE CURVE
1066	2165475.42	6157049.32	PRC	POINT OF REVERSE CURVE
1067	2165481.20	6157045.80	PRC	POINT OF REVERSE CURVE
1068	2165484.47	6157044.13	PRC	POINT OF REVERSE CURVE
1069	2165490.71	6157041.50	PRC	POINT OF REVERSE CURVE
1070	2165493.99	6157047.94	PRC	POINT OF REVERSE CURVE
1071	2165488.21	6157051.45	PRC	POINT OF REVERSE CURVE
1072	2165484.95	6157053.12	PRC	POINT OF REVERSE CURVE
1073	2165507.91	6157099.86	PRC	POINT OF REVERSE CURVE
1074	2165508.28	6157107.08	PRC	POINT OF REVERSE CURVE
1075	2165501.56	6157107.92	PRC	POINT OF REVERSE CURVE
1076	2165497.90	6157108.11	PRC	POINT OF REVERSE CURVE
1077	2165491.13	6157107.95	PRC	POINT OF REVERSE CURVE
1078	2165490.77	6157100.73	PRC	POINT OF REVERSE CURVE
1079	2165497.49	6157099.90	PRC	POINT OF REVERSE CURVE
1080	2165501.14	6157099.71	PRC	POINT OF REVERSE CURVE
1081	2165457.21	6157109.72	PRC	POINT OF REVERSE CURVE
1082	2165460.51	6157116.15	PRC	POINT OF REVERSE CURVE
1083	2165454.73	6157119.68	PRC	POINT OF REVERSE CURVE
1084	2165451.46	6157121.35	PRC	POINT OF REVERSE CURVE
1085	2165445.23	6157123.97	PRC	POINT OF REVERSE CURVE
1086	2165441.94	6157117.54	PRC	POINT OF REVERSE CURVE
1087	2165447.73	6157114.03	PRC	POINT OF REVERSE CURVE
1088	2165450.98	6157112.36	PRC	POINT OF REVERSE CURVE
1137	2165353.11	6157183.86	CC	CORNER CONCRETE
1138	2165368.12	6157159.80	RP	RADIUS POINT
1139	2165380.96	6157172.81	RP	RADIUS POINT
1140	2165368.26	6157180.14	RP	RADIUS POINT
1141	2165330.60	6157165.81	RP	RADIUS POINT
1142	2165353.26	6157126.51	RP	RADIUS POINT
1143	2165350.67	6157116.85	RP	RADIUS POINT
1144	2165365.16	6157112.97	RP	RADIUS POINT
1145	2165367.75	6157122.63	RP	RADIUS POINT
1147	2165412.60	6157216.55	RP	RADIUS POINT
1148	2165396.25	6157227.71	RP	RADIUS POINT
1149	2165401.55	6157245.37	RP	RADIUS POINT
1150	2165409.63	6157218.85	RP	RADIUS POINT
1153	2165493.25	6157044.26	RP	RADIUS POINT
1154	2165484.71	6157048.62	RP	RADIUS POINT
1155	2165476.18	6157053.00	RP	RADIUS POINT
1156	2165485.50	6157063.10	RP	RADIUS POINT
1157	2165495.98	6157057.74	RP	RADIUS POINT
1158	2165483.94	6157034.14	RP	RADIUS POINT
1159	2165473.41	6157039.53	RP	RADIUS POINT
1160	2165445.99	6157061.09	RP	RADIUS POINT
1161	2165441.64	6157048.04	RP	RADIUS POINT
1162	2165436.41	6157061.56	RP	RADIUS POINT
1163	2165429.84	6157048.64	RP	RADIUS POINT
1164	2165426.84	6157062.06	RP	RADIUS POINT
1165	2165431.20	6157075.10	RP	RADIUS POINT
1166	2165442.96	6157074.50	RP	RADIUS POINT
1167	2165442.69	6157121.21	RP	RADIUS POINT
1168	2165451.23	6157116.85	RP	RADIUS POINT
1169	2165459.76	6157112.48	RP	RADIUS POINT
1170	2165450.43	6157102.38	RP	RADIUS POINT
1171	2165439.95	6157107.74	RP	RADIUS POINT
1172	2165451.99	6157131.33	RP	RADIUS POINT
1173	2165462.52	6157125.95	RP	RADIUS POINT
1174	2165489.95	6157104.39	RP	RADIUS POINT
1175	2165499.52	6157103.92	RP	RADIUS POINT
1176	2165509.10	6157103.42	RP	RADIUS POINT
1177	2165504.73	6157090.38	RP	RADIUS POINT
1178	2165492.97	6157090.98	RP	RADIUS POINT
1179	2165494.29	6157117.44	RP	RADIUS POINT
1180	2165506.10	6157116.84	RP	RADIUS POINT

General Notes

Blair, Church & Flynn
CONSULTING ENGINEERS
Blair, Church & Flynn
Consulting Engineers
451 Clovis Avenue,
Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

REGISTERED PROFESSIONAL ENGINEER
LANE R. BADER
No. 47,033
CIVIL
STATE OF CALIFORNIA
4/17/25
Date Signed:

Consultant

Mendota Elementary School - Classroom Additions
Mendota Unified School District
605 Bass Avenue, Mendota CA 93640

Project

HORIZONTAL CONTROL PLAN TABLE

Drawing

darden architects
ARCHITECTURE
PLANNING
INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT
GRANT E. DODSON
No. C-20,307
Ren. 6-30-25
STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: DG	
Scale: AS NOTED	Drawn By: SD	SD/C402
Project Number: 2277	Checked By: LRB	
Date: 4/22/2025	Reviewed By: JB	Sheet: 6 of: 10

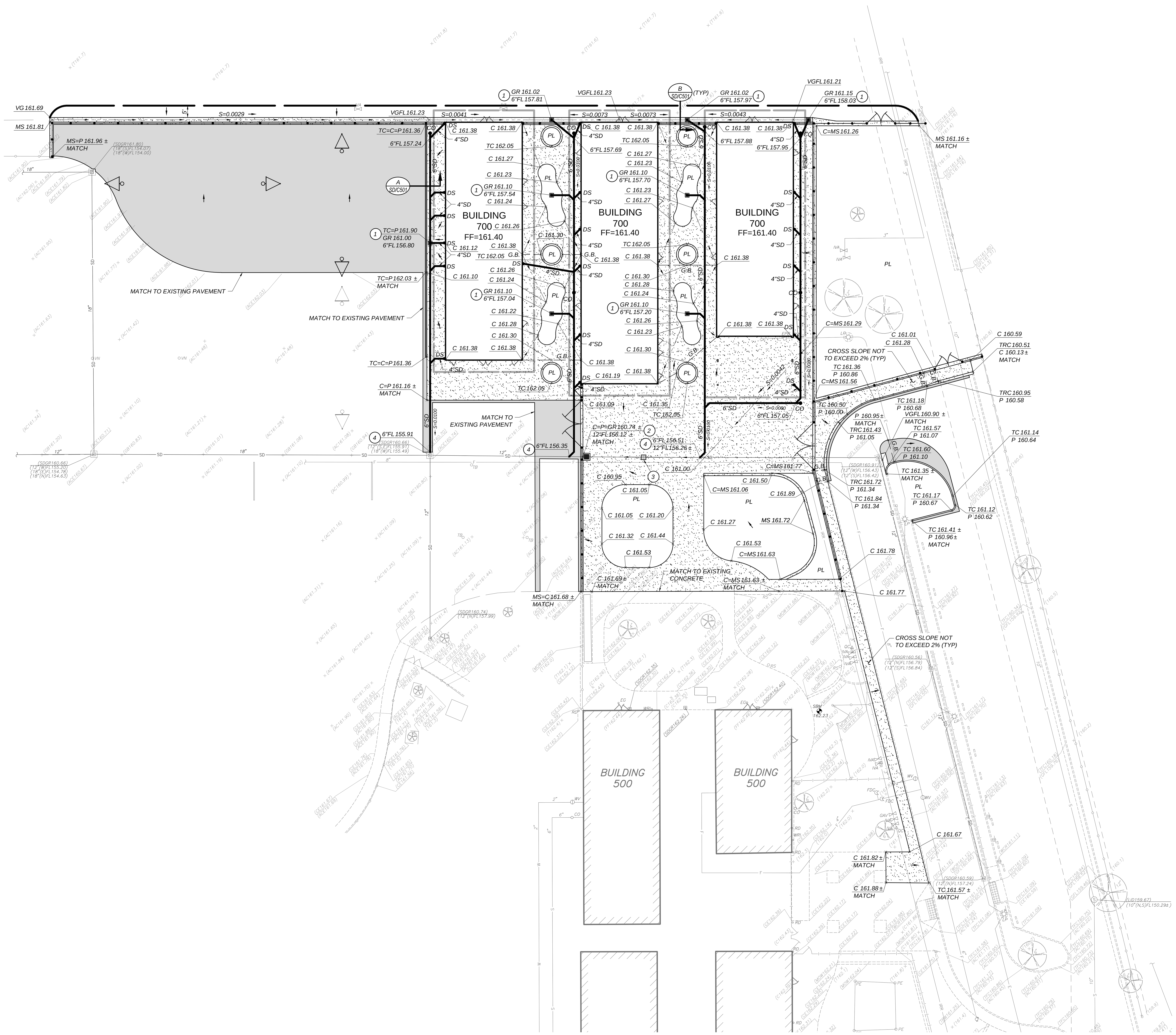
Drawing: P:\224-0172\Site\productiondrawings\224172_HC01.dwg; C402 - BCF.CTB
Plot by: dgaona Apr 22, 2025 - 5:44pm

DSA File No.: 10-89

DSA Application No.: 02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval



GRADING AND DRAINAGE LEGEND:

C	CONCRETE
FF	FINISHED FLOOR
FL	FLOWLINE
GR	STORM DRAIN GRATE
MS	MOWSTRIP
P	PAVEMENT
TC	TOP OF CURB
TRC	TOP OF ROLL CURB
VGFL	VALLEY GUTTER FLOWLINE
(344.9)	EXISTING ELEVATION
328.78	NEW FINISHED GRADE
→	DIRECTION OF SURFACE DRAINAGE
(grey dashed line)	BUILDING OVER-EXCAVATION LIMITS; SEE DETAIL [M/SD/X101]
G.B.	GRADE BREAK
(heavy dashed line)	LIMITS OF GRADING
S=0.0050 →	PIPE SLOPE AND DIRECTION OF FLOW
→ - - -	SWALE AND DIRECTION OF FLOW
(1)	P6 STORM DRAIN INLET PER DETAIL [D/SD/X102]
(2)	U23 STORM DRAIN INLET PER DETAIL [O/SD/X101]
(3)	INSTALL SOLID TRAFFIC RATED LID AND ADJUST TO GRADE
(4)	MAKE WATER-TIGHT CONNECTION TO EXISTING STORM DRAIN PIPE OR INLET
●CO	SURFACE CLEANOUT PER DETAIL [J/SD/X101]
●DS	DOWNSPOUT, SEE PLUMBING PLANS. PROVIDE APPROPRIATE FITTING TO TRANSITION FROM DOWNSPOUT TO UNDERGROUND STORM DRAIN PIPING
6"SD	STORM DRAIN PIPELINE; SIZE AS NOTED. TRENCH AND BACKFILL PER DETAIL [K/SD/X101]
S=0.0020 →	FLOWLINE SLOPE AND DIRECTION OF FLOW

GENERAL GRADING AND DRAINAGE NOTES:

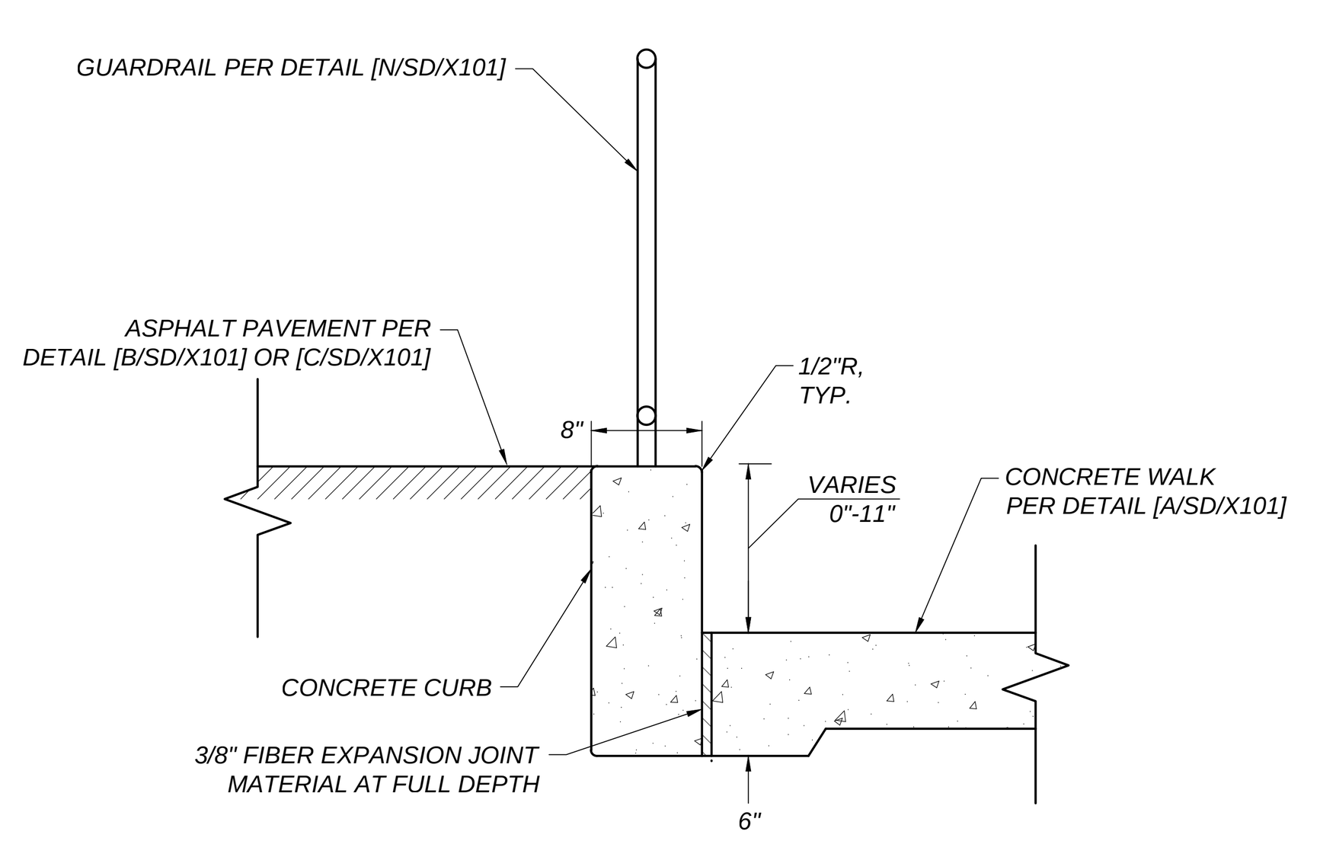
THE REQUIREMENTS AND INFORMATION SET OUT BELOW ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE AND DO NOT ENCOMPASS ALL PROJECT REQUIREMENTS DESCRIBED BY THE PROJECT PLANS AND SPECIFICATIONS AND/OR APPLICABLE LAWS, REGULATIONS AND/OR BUILDING CODES.

1. CONSTRUCTION OF ALL PROJECT SITE IMPROVEMENTS SUBJECT TO ADA ACCESS COMPLIANCE, INCLUDING ACCESSIBLE PATH OF TRAVEL, CURB RETURNS, PARKING STALL(S) AND UNLOADING AREAS, BARRIER FREE AMENITIES AND/OR OTHER APPLICABLE SITE IMPROVEMENTS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT, CALIFORNIA TITLE 24, THE CALIFORNIA BUILDING CODE, CURRENT EDITION(S).
2. CONTRACTOR SHALL FIELD VERIFY ALL GRADES AND SLOPES PRIOR TO THE PLACEMENT OF CONCRETE AND/OR PAVEMENT FOR CONFORMANCE WITH ADA ACCESS COMPLIANCE REQUIREMENTS. EXAMPLES OF MINIMUM AND MAXIMUM LIMITS RELATED TO ADA ACCESS COMPLIANCE INCLUDE, BUT ARE NOT LIMITED TO:
   a) ACCESSIBLE PATH OF TRAVEL CROSS-SLOPE SHALL NOT EXCEED 2%
   b) ACCESSIBLE PATH OF TRAVEL LONGITUDINAL SLOPES SHALL NOT EXCEED 5%
   c) RAMP LONGITUDINAL SLOPES SHALL NOT EXCEED 8.33%
   d) ACCESSIBLE WALKS SHALL NOT HAVE LESS THAN 48 INCHES IN UNOBSTRUCTED WIDTH
   e) ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION
   f) LANDINGS AT THE TOP AND BOTTOM OF ACCESSIBLE RAMPS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION
   g) GUTTERS AND ROAD SURFACES DIRECTLY ADJACENT TO AND WITHIN 2 FEET OF A CURB RAMP SHALL HAVE A COUNTER SLOPE NOT TO EXCEED 5%
3. CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IDENTIFIED BY THE PROFESSIONAL ENGINEERING SEAL AND SIGNATURE ON THESE PLANS, OF ANY SITE CONDITION(S) AND/OR DESIGN INFORMATION THAT PREVENTS THE CONTRACTOR FROM COMPLYING WITH THE LAWS, REGULATIONS AND/OR BUILDING CODES GOVERNING ADA ACCESS COMPLIANCE.
4. GROUND SLOPES AWAY FROM BUILDING PADS IN LANDSCAPED OR DIRT AREAS SHALL BE NO LESS THAN 5% FOR AT LEAST TEN (10) FEET, OR AS OTHERWISE NOTED ON THE PLANS.
5. DRAINAGE SHALL NOT BE ALLOWED ONTO ADJACENT PROPERTY.
6. ALL FILL MATERIAL USED TO SUPPORT THE FOUNDATIONS OF ANY BUILDING OR STRUCTURE SHALL BE PLACED UNDER THE DIRECTION OF A LICENSED GEOTECHNICAL ENGINEER, AND IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS. A SOILS COMPACTION REPORT SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AS REQUIRED BY THE PROJECT SPECIFICATIONS.
7. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS REQUIRED BY THE PROJECT SPECIFICATIONS, AND BY GOVERNING PUBLIC AGENCIES.
8. THE CONTRACTOR SHALL IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS REQUIRED BY THE PROJECT SPECIFICATIONS AND THE STATE WATER RESOURCES CONTROL BOARD'S CONSTRUCTION GENERAL PERMIT. IMPLEMENT BEST MANAGEMENT PRACTICES WITHIN PUBLIC RIGHT OF WAY PER LOCAL JURISDICTION REQUIREMENTS.
9. AS A FIRST ORDER OF WORK, THE CONTRACTOR SHALL POT HOLE THE EXISTING UTILITY LINES AT THE POINT OF CONNECTION TO VERIFY THE LOCATION, SIZE, PIPE MATERIAL AND ELEVATION SO THAT THE ENGINEER CAN MAKE ELEVATION AND/OR ALIGNMENT ADJUSTMENTS IF NECESSARY. SHOULD POT HOLING DISCOVER ANY DISCREPANCIES, CONTACT THE ENGINEER AND OBTAIN WRITTEN DIRECTION BEFORE PROCEEDING.
10. ADJUST UTILITY LIDS WITHIN NEW CONSTRUCTION AREA TO FINISHED GRADE PER DETAIL [L/SD/X101]. REPLACE ALL BROKEN LIDS WITH NEW. PROVIDE TRAFFIC RATED LIDS AND BOXES WITHIN AREAS SUBJECT TO VEHICULAR TRAFFIC.
11. WATER TEST PAVEMENT WITHIN NEW IMPROVEMENT AREA. REPLACE PAVEMENT WHERE BIRD BATHS OCCUR AFTER TEST AS DIRECTED BY THE INSPECTOR OR ENGINEER.
12. MINIMUM SLOPE ON IMPERVIOUS SURFACES PERPENDICULAR TO ADJACENT STRUCTURE(S), WITHIN ADA PATH, SHALL BE 1% MINIMUM AND 2% MAXIMUM. WHERE DOOR AND GATE LANDINGS OCCUR THE CROSS SLOPE SHALL BE 2% MAXIMUM IN ALL DIRECTIONS

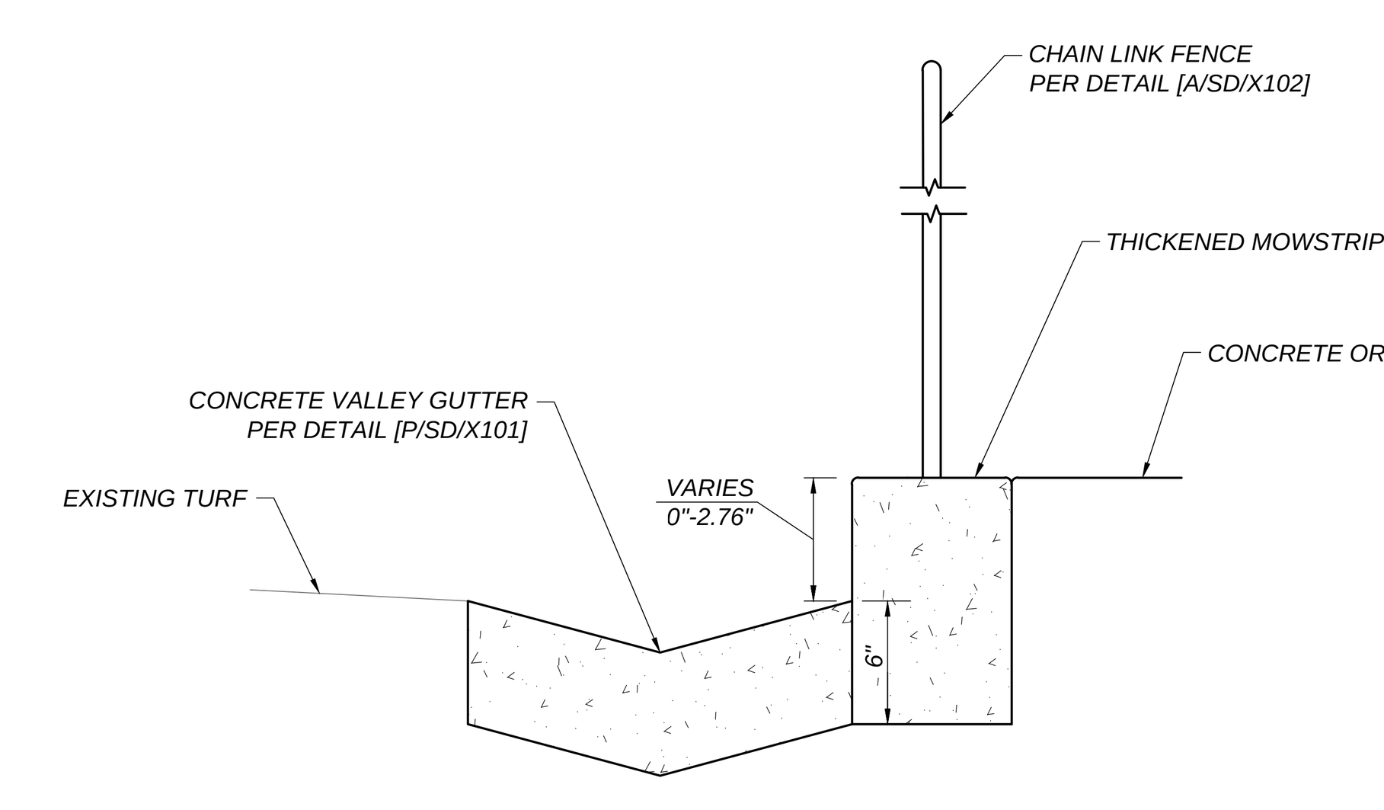
SITE BENCHMARK:

SPIKE IN TURF APPROXIMATELY 12' EAST FROM THE NORTHEASTERN CORNER OF BUILDING 500

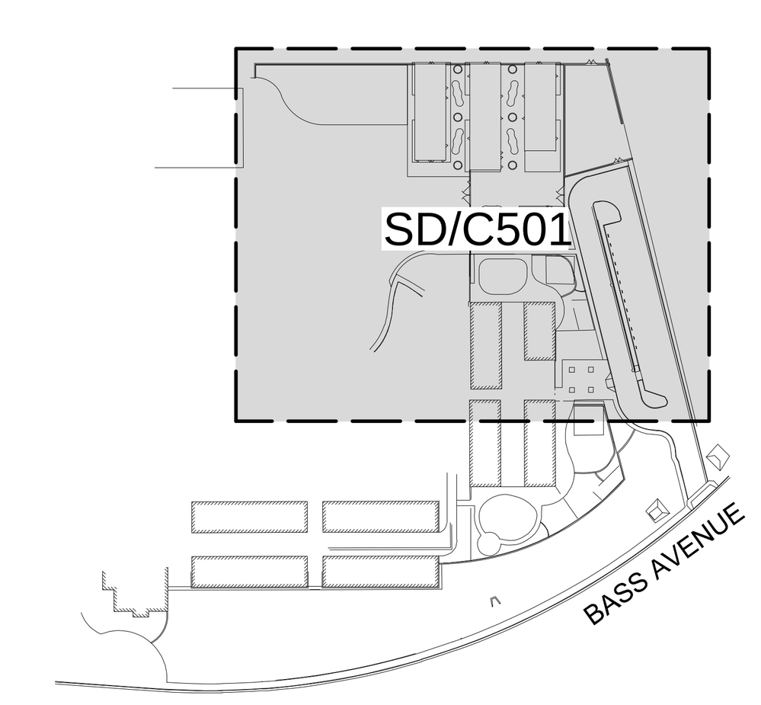
ELEV.= 162.23 NAVD88



A SD/C501 CROSS SECTION
NOT TO SCALE



B SD/C501 CROSS SECTION
NOT TO SCALE



KEYMAP

SCALE: 1"=20'
0 5 20 40
SCALE IN FEET

Know what's below. Call before you dig.

General Notes

Blair, Church & Flynn
Consulting Engineers
451 Clovis Avenue,
Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

REGISTERED PROFESSIONAL ENGINEER LANE R. BADER No. 47,033 CIVIL STATE OF CALIFORNIA
4/17/25 Date Signed:

Consultant

Mendota Elementary School - Classroom Additions
Mendota Unified School District
605 Bass Avenue, Mendota CA 93640

Project

GRADING AND DRAINAGE PLAN

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT GRANT E. DODSON No. C-20,307 Ren. 6-30-25 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: DG	
Scale: AS NOTED	Drawn By: SD	SD/C501
Project Number: 2277	Checked By: LRB	
Date: 4/22/2025	Reviewed By: JB	Sheet: 7 of: 10

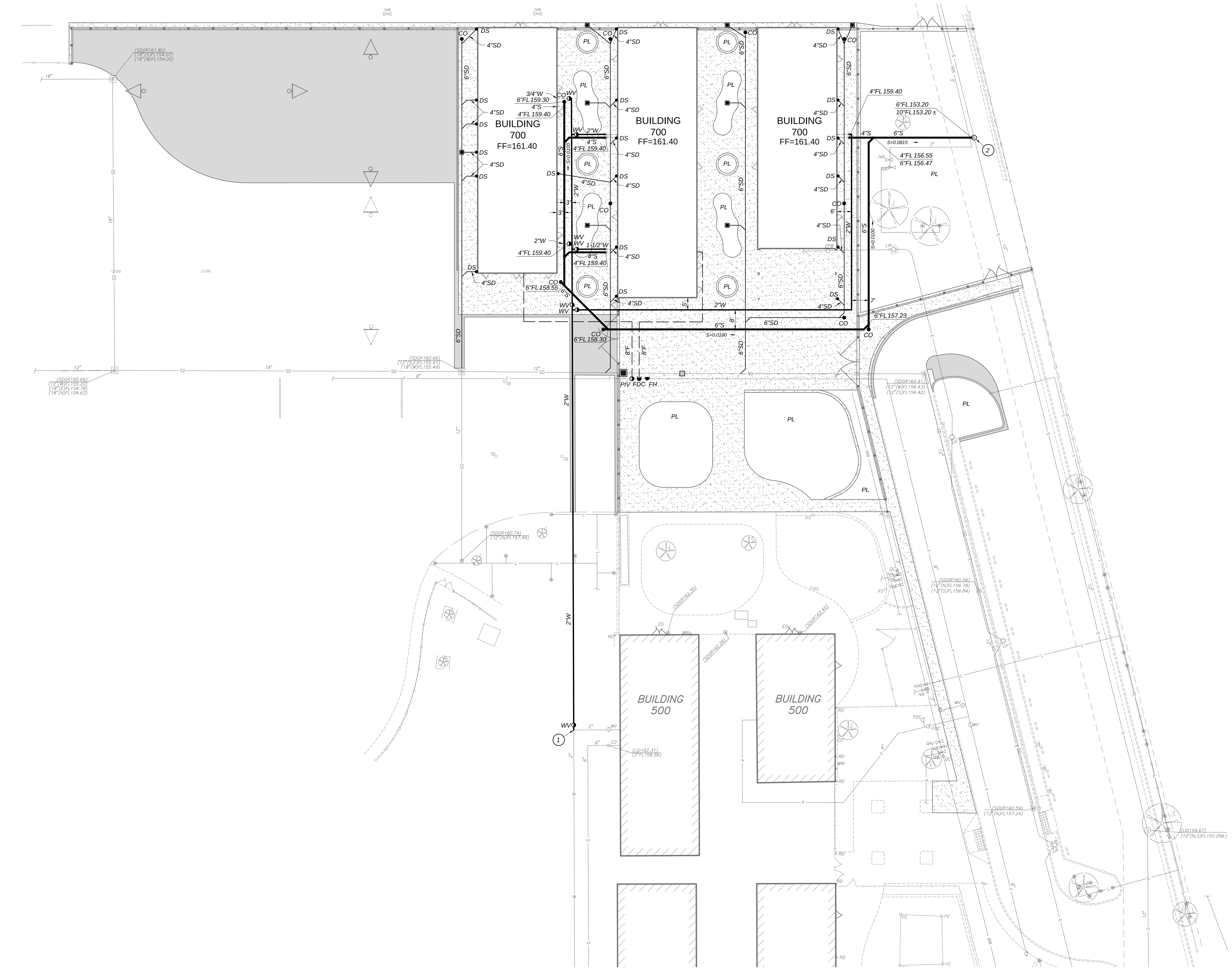
Drawing: P:\224-0172\Site\productiondrawings\224172_GR01.dwg; C501 - BCF.CTB
Plot by: dgaona Apr 22, 2025 - 5:44pm

DSA File No.: 10-89

DSA Application No.: 02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

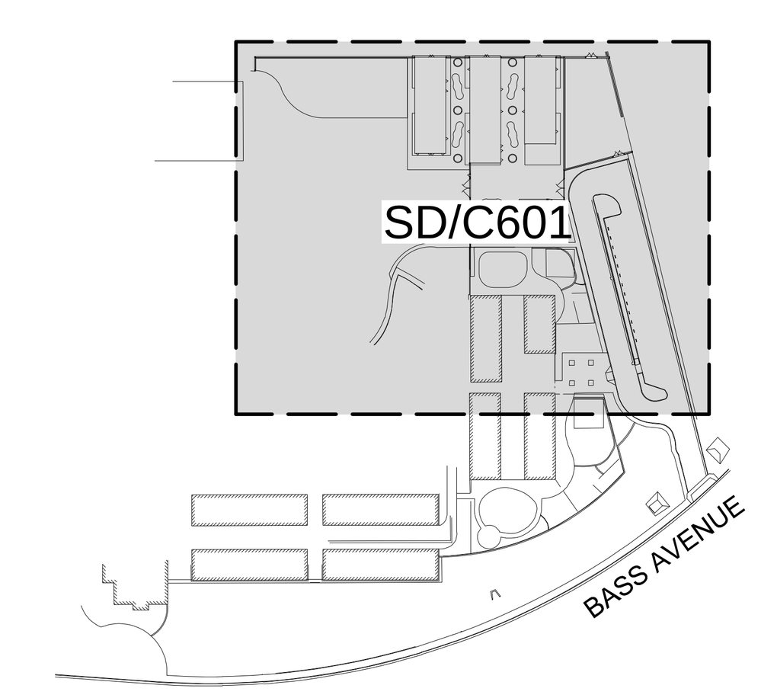


UTILITY LEGEND:

S	SEWER LINE, SIZE AS NOTED ON PLANS. PIPE BEDDING AND BACKFILL PER DETAIL [K/SD/X101]
W	WATER LINE, SIZE AS NOTED ON PLANS, MIN. 30" COVER. PIPE BEDDING AND BACKFILL PER DETAIL [K/SD/X101]
F	FIRE LINE, SEE FIRE PROTECTION PLAN
SD	STORM DRAIN PIPE, SEE GRADING PLAN
FF	FINISHED FLOOR
FL	FLOWLINE
●CO	SEWER CLEANOUT PER DETAIL [J/SD/X101]
FDC	FIRE DEPARTMENT CONNECTION, SEE FIRE PROTECTION PLAN
FH	FIRE HYDRANT, SEE FIRE PROTECTION PLAN
◑PIV	POST INDICATOR VALVE, SEE FIRE PROTECTION PLAN
◑WV	WATER VALVE PER [C/SD/X102]
Ⓢ	SEWER MANHOLE PER CITY OF MENDOTA STANDARD DRAWING S-2
	POINT OF CONNECTION TO EXISTING OR PROPOSED UTILITY, COORDINATE WITH PLUMBING PLANS PRIOR TO CONNECTION.
S=0.0020→	FLOWLINE SLOPE AND DIRECTION OF FLOW
(1)	CONNECT TO EXISTING WATER LINE WITH WATER-TIGHT CONNECTION. VERIFY SIZE, DEPTH, AND LOCATION.
(2)	CONNECT EXISTING SEWER LINE TO NEW MANHOLE WITH WATER-TIGHT CONNECTION. VERIFY SIZE, DEPTH, AND LOCATION.

GENERAL SITE UTILITY NOTES:

1. AS FIRST ORDER OF WORK, CONTRACTOR SHALL POTHOLE EXISTING UTILITIES AND NOTIFY ENGINEER IMMEDIATELY OF LOCATIONS, SIZE AND DEPTH.
2. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION, SIZE, DEPTH, AND TYPE OF ALL EXISTING UTILITIES AND INTERFERENCES SITUATED ALONG THE ROUTE OF THE PROPOSED CONSTRUCTION PRIOR TO COMMENCEMENT OF EXCAVATION, FABRICATION, AND INSTALLATION. THE CONTRACTOR SHALL CONSTRUCT ALL IMPROVEMENTS IN SUCH A MANNER AS WILL PROTECT ALL EXISTING UNDERGROUND UTILITIES AND, IN THE EVENT OF ANY CONFLICTS, SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING.
3. SEE IRRIGATION PLANS FOR PROPOSED IRRIGATION PIPE ALIGNMENT.
4. COORDINATE EXACT POINTS OF CONNECTION TO BUILDING PLUMBING AND NOTIFY THE ENGINEER OF ANY CONFLICT SO THAT ADJUSTMENTS CAN BE MADE IF NEEDED.
5. SAWCUT EXISTING CONCRETE IMPROVEMENTS AS NECESSARY TO INSTALL NEW WATER OR SEWER IMPROVEMENTS. CONSTRUCT NEW CONCRETE IMPROVEMENTS TO MATCH ADJACENT CONCRETE IMPROVEMENTS AND JOIN TOGETHER WITH DOWEL BARS PER DETAIL [G/SD/X101]
6. INSTALLATION, TYPE, AND MANUFACTURER'S MODELS OF DOMESTIC WATER METERS, DRAIN INLETS/OUTLETS AND OTHER APPURTENANCES OF SITE UTILITY SYSTEMS SHALL BE DONE IN STRICT ACCORDANCE WITH GOVERNING AUTHORITY REQUIREMENTS.
7. LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE ACTUAL LOCATIONS OF ALL MATERIALS, PIPING, FIXTURES, EQUIPMENT, SUPPORTS, ETC., SHALL BE CAREFULLY PLANNED PRIOR TO INSTALLATION OF ANY WORK TO AVOID ALL INTERFERENCES WITH EACH OTHER OR WITH STRUCTURAL, ELECTRICAL, PLUMBING AND MECHANICAL, ARCHITECTURAL OR ANY OTHER ELEMENTS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.
8. ANY INSPECTION TO BE MADE BY THE AUTHORITY HAVING JURISDICTION SHALL REQUIRE A MINIMUM OF 24 HOUR NOTICE.
9. PURITY TESTS ARE REQUIRED ON ALL WATER SYSTEM INSTALLATIONS. CONTRACTOR TO COORDINATE WITH THE AUTHORITY HAVING JURISDICTION.
10. IF THE TOP OF THE STEM OF ANY WATER GATE VALVE IS DEEPER THAN 4' BELOW FINISHED PAVEMENT GRADE, THE CONTRACTOR SHALL INSTALL A STEM EXTENSION SO THAT THE TOP OF THE STEM, WITH EXTENSION, SHALL BE NO DEEPER THAN 4' NOR SHALLOWER THAN 2' FROM FINISHED GRADE.
11. BACKFILL UTILITY TRENCHES PER DETAIL [K/SD/X101]
12. ADJUST EXISTING UTILITY LIDS TO FINISHED GRADE PER UTILITY COMPANY STANDARDS AND DETAIL [L/SD/X101] AND INSTALL TRAFFIC RATED LIDS WHERE LOCATED IN A TRAFFIC AREA.



KEYMAP

SCALE: 1"=20'

0 5 20 40
SCALE IN FEET

Know what's below. Call before you dig.

General Notes

Blair, Church & Flynn Consulting Engineers
451 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

REGISTERED PROFESSIONAL ENGINEER LANE R. BADER No. 47,033 CIVIL STATE OF CALIFORNIA

4/17/25 Date Signed:

Consultant

Mendota Elementary School - Classroom Additions

Mendota Unified School District

605 Bass Avenue, Mendota CA 93640

Project

UTILITY PLAN

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT GRANT E. DODSON No. C-20,307 Ren. 6-30-25 STATE OF CALIFORNIA

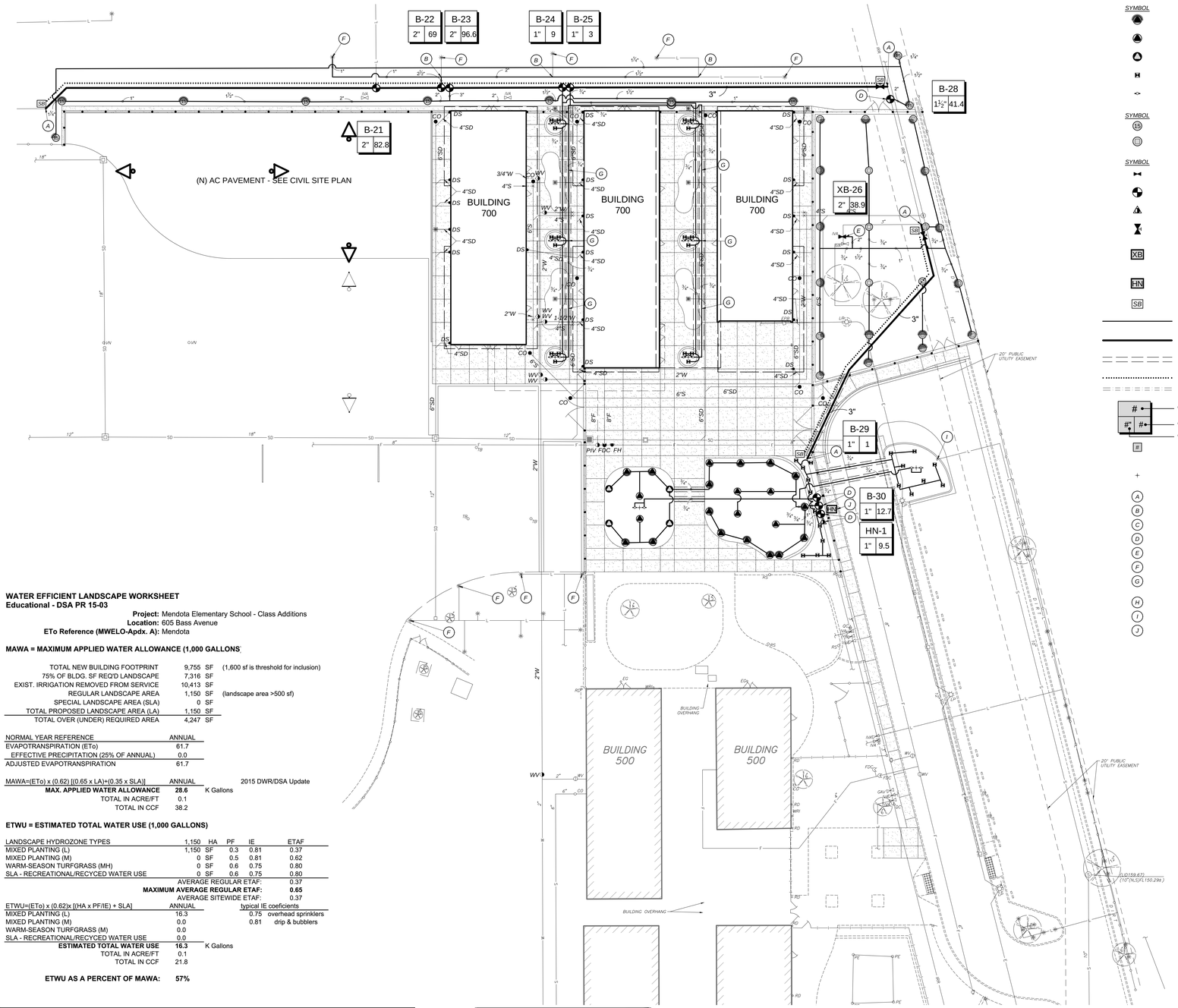
Architect

No.	Revision/Submission	Date

Revision

	Designed By: DG	
Scale: AS NOTED	Drawn By: SD	SD/C601
Project Number: 2277	Checked By: LRB	
Date: 4/22/2025	Reviewed By: JB	Sheet: 8 of: 10

Drawing: P:\224-0172\Site\productiondrawings\224172_UT01.dwg; C601 - BCF.CTB
Plot by: dgaona Apr 22, 2025 - 5:44pm



IRRIGATION LEGEND:

FLOW FOR ADJUSTABLE NOZZLES ARE LISTED FOR 180 DEGREE ARCS

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	ARC	PSI	GPM	RADIUS	DETAIL
	TURF ROTATOR M HUNTER MP1000 PROS-04-PRS40-CV-R	90-210	40	0.48	14'	I/SD/L102
	TURF ROTATOR O HUNTER MP1000 PROS-04-PRS40-CV-R	360	40	0.48	14'	I/SD/L102
	TURF ROTATOR K HUNTER MP2000 PROS-04-PRS40-CV-R	90-210	40	0.47	19'	I/SD/L102
	SHRUB BUBBLER 50H HUNTER PROS-04-PRS30-CV-R-MSBN	180	30	0.5	1'	K/SD/L102
	TREE BUBBLERS 25 HUNTER RZWS-18-25-CV-R	360	30	0.25	3'	L/SD/L102

SYMBOL	MANUFACTURER/MODEL	PSI	GPM	RADIUS	DETAIL
15	TURF ROTOR - HUNTER I-40 15	50	13.8	54'	J/SD/L102
	TURF ROTOR - HUNTER MPR 25	45	0.61	25'	J/SD/L102

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
	EXISTING REMOTE CONTROL VALVE HUNTER ICV-G-R	
	REMOTE CONTROL VALVE HUNTER ICV-G-R	H/SD/L102
	QUICK COUPLER VALVE RAIN BIRD 33-DNP	M/SD/L102
	GATE VALVE LEEMCO LMV-33BB	F/SD/L102
XB	EXISTING IRRIGATION CONTROLLER 'B' HUNTER IC-600-PL WITH FOUR ICM-600 MODULES. WALL MOUNTED ON NORTH EXTERIOR OF BLDG. 400. 27/30 STATIONS	
HN	HUNTER NODE HUNTER NODE-200. SEE KEYNOTE "J" FOR ADDITIONAL INFORMATION.	
S8	SPLICE BOX	N/SD/L102
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 SOLVENT WELD, PURPLE PIPE, SIZE AS NOTED	C/SD/L102
	IRRIGATION MAINLINE: PVC CLASS 315 SDR 13.5 GASKETED, BELL-END, 18" DEEP	A/SD/L102
	PIPE SLEEVE: PVC SCHEDULE 40 PURPLE PIPE, TWICE PIPE SIZE	D/SD/L102
	CONTROL WIRE PLUS ONE (1) COMMON WIRE	E/SD/L102
	CONTROL WIRE SLEEVE	D/SD/L102
#	VALVE NUMBER	
#" #	VALVE FLOW (GPM) VALVE SIZE	
#	NUMBER OF SPARE CONTROL WIRE PLUS ONE (1) SPARE COMMON WIRE. PROVIDE A 10 FOOT LOOP IN VALVE BOX	
+	PROPOSED TREE, SEE PLANTING PLAN ON SHEET L201 FOR VARIETY AND SIZE	
A	CONNECT NEW MAIN LINE TO EXISTING MAIN LINE. RUN NEW CONTROL WIRE AS NEEDED	
B	CONNECT NEW LATERAL LINE TO EXISTING LATERAL LINE	
C	CONNECT NEW LATERAL LINE TO EXISTING IRRIGATION HEAD	
D	CONNECT NEW REMOTE CONTROL VALVE ON EXISTING MAIN LINE PROVIDE CONTROL WIRE AS NEEDED.	
E	CONNECT NEW LATERAL TO EXISTING REMOTE CONTROL VALVE	
F	ADJUST HEADS/NOZZLES FOR NEW IMPROVEMENTS. SEE GENERAL IRRIGATION NOTE #17	
G	PIPE SHOWN OUTSIDE OF PLANTER FOR CLARITY. INSTALL PIPE WITHIN PLANTER. SEE GENERAL IRRIGATION NOTE #8	
H	INSTALL NEW HEAD ON EXISTING LATERAL LINE	
I	CAP EXISTING IRRIGATION	
J	CONTRACTOR TO VERIFY SPARE WIRE FOR NEW VALVE. IF NO SPARE WIRE IS AVAILABLE, PROVIDE HUNTER NODE-200 IN IRRIGATION VALVE BOX HN-1.	

WATER EFFICIENT LANDSCAPE WORKSHEET
Educational - DSA PR 15-03

Project: Mendota Elementary School - Class Additions
Location: 605 Bass Avenue
ETo Reference (MWELO-Apdx. A): Mendota

MAWA = MAXIMUM APPLIED WATER ALLOWANCE (1,000 GALLONS)

TOTAL NEW BUILDING FOOTPRINT	9,755	SF	(1,600 sf is threshold for inclusion)
75% OF BLDG. SF REQ'D LANDSCAPE	7,316	SF	
EXIST. IRRIGATION REMOVED FROM SERVICE	10,413	SF	
REGULAR LANDSCAPE AREA	1,150	SF	(landscape area >500 sf)
SPECIAL LANDSCAPE AREA (SLA)	0	SF	
TOTAL PROPOSED LANDSCAPE AREA (LA)	1,150	SF	
TOTAL OVER (UNDER) REQUIRED AREA	4,247	SF	

NORMAL YEAR REFERENCE	ANNUAL
EVAPOTRANSPIRATION (ETo)	61.7
EFFECTIVE PRECIPITATION (25% OF ANNUAL)	0.0
ADJUSTED EVAPOTRANSPIRATION	61.7

MAWA=(ETo) x (0.62) [(0.65 x LA)+(0.35 x SLA)] — ANNUAL — 2015 DWR/DSA Update

MAX. APPLIED WATER ALLOWANCE	**28.6**	K Gallons
TOTAL IN ACRE/FT	0.1	
TOTAL IN CCF	38.2	

ETWU = ESTIMATED TOTAL WATER USE (1,000 GALLONS)

LANDSCAPE HYDROZONE TYPES	1,150	HA	PF	IE	ETAF
MIXED PLANTING (L)	1,150	SF	0.3	0.81	0.37
MIXED PLANTING (M)	0	SF	0.5	0.81	0.62
WARM-SEASON TURFGRASS (MH)	0	SF	0.6	0.75	0.80
SLA - RECREATIONAL/RECYCED WATER USE	0	SF	0.6	0.75	0.80
AVERAGE REGULAR ETAF:					0.37
MAXIMUM AVERAGE REGULAR ETAF:					**0.65**
AVERAGE SITEWIDE ETAF:					0.37

ETWU=(ETo) x (0.62)x [(HA x PF/IE) + SLA] — ANNUAL — typical IE coeficients

MIXED PLANTING (L)	16.3	0.75 overhead sprinklers
MIXED PLANTING (M)	0.0	0.81 drip & bubblers
WARM-SEASON TURFGRASS (M)	0.0	
SLA - RECREATIONAL/RECYCED WATER USE	0.0	
ESTIMATED TOTAL WATER USE	**16.3**	K Gallons
TOTAL IN ACRE/FT	0.1	
TOTAL IN CCF	21.8	

ETWU AS A PERCENT OF MAWA: 57%

IRRIGATION SYSTEM OBSERVATION LOG

ITEM NO.	WORK ITEM DESCRIPTION	REVIEWED & ACCEPTED BY OWNER'S REPRESENTATIVE: PRINT NAME	SIGNATURE	DATE
IR-1	EXISTING SYSTEM OPERATION & PRESSURE CHECK			
IR-2	PIPING/WIRE SLEEVES UNDER PAVEMENT			
IR-3	MAIN LINE INSTALLATION & PRESSURE TEST			
IR-4	VALVE INSTALLATIONS			
IR-5	IRRIGATION COVERAGE PRIOR TO PLANTING			
IR-6	CONTROL EQUIPMENT INSTALLATION	N/A	N/A	
IR-7	BOOSTER PUMP INSTALLATION & START-UP (MANUF.)	N/A	N/A	
IR-8	FINAL SYSTEM OPERATION REVIEW			

NOTE: THE ORIGINAL VERSION OF THIS LOG SHALL BE MAINTAINED ON THE AS-BUILT RECORD DRAWING SET. WORK ITEMS MAY NOT BE REVIEWED IF PRIOR WORK ITEMS HAVE NOT BEEN ACCEPTED.

POINT OF CONNECTION

WATER SERVICE SIZE/MAX FLOW: 3" / 100 GPM

WATER METER SIZE/75% MAX FLOW: 3" / 375 GPM

MAXIMUM STATION FLOW: 96.6 GPM

IRRIGATION BACKFLOW SIZE: 3"

IRRIGATION WATER SOURCE: FRESNO COUNTY, POTABLE

OPERATING STATIC PRESSURE: 62 PSI. SEE IRRIGATION GENERAL NOTE #3

DESIGN OPERATING PRESSURE: 30 PSI BUBBLERS; 40 PSI MP ROTATORS; 45 PSI MPR ROTORS; 50 PSI ROTORS

EXISTING VFD BOOSTER PUMP PARAMETERS:

SUPPLY PIPE SIZE:	*3"*
DISCHARGE PIPE SIZE:	*3"*
SUPPLY PRESSURE:	*62 PSI*
MAXIMUM DISCHARGE PRESSURE:	*100 PSI*
ACTIVATION MODE:	*PROGRAM START (CONTRACTOR SHALL VERIFY)*

SCALE: N 1"=20'

0 5 20 40
SCALE IN FEET

Know what's below. Call before you dig.

DSA File No.: 10-89

DSA Application No.: 02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

IRRIGATION SYSTEM BID ALLOWANCE:

CONTRACTOR SHALL INCLUDE A BID ALLOWANCE IN THE AMOUNT OF $3,000 FOR THE REPLACEMENT OF EXISTING OR THE INSTALLATION OF NEW SPRINKLER HEADS, VALVES, PIPING AND OTHER EQUIPMENT AND ACCESSORIES NECESSARY FOR THE PROPER OPERATION OF THE EXISTING SYSTEM WHERE NOT SPECIFICALLY SHOWN ON THE DRAWINGS FOR REPLACEMENT OR NEW INSTALLATION.

WATER CONSERVATION COMPLIANCE STATEMENT:

I HAVE COMPLIED WITH THE CRITERIA OF THE LANDSCAPE WATER CONSERVATION ORDINANCE AND GUIDELINES, AND HAVE APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

DAVID W. BRILEY, RLA 2787

CONTRACTOR SPECIAL IRRIGATION NOTES:

1. *THE CONTRACTOR SHALL PERFORM AN OPERATIONAL ASSESSMENT OF THE EXISTING IRRIGATION SYSTEM WITHIN THE AREA OF WORK WITH THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION OPERATIONS.*
2. *THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING PLANTING SCHEDULED TO REMAIN SHALL CONTINUE TO BE IRRIGATED THROUGHOUT THE COURSE OF CONSTRUCTION OPERATIONS. ANY DAMAGE TO THE EXISTING IRRIGATION SYSTEM THAT IMPACTS EXISTING PLANTING TO REMAIN SHALL BE IMMEDIATELY REPAIRED TO THE OWNER'S SATISFACTION.*
3. *PRIOR TO THE START OF ANY SHRUB, GROUND COVER, AND/OR TURFGRASS PLANTING, AN OPERATIONAL REVIEW OF THE IRRIGATION SYSTEM SHALL BE PERFORMED FOR PROPER COVERAGE AND SOIL MOISTURE DEPTH BY THE OWNER'S REPRESENTATIVE. ALL CORRECTIONS AND/OR ADJUSTMENTS SHALL BE COMPLETED AND VERIFIED BY THE OWNER'S REPRESENTATIVE BEFORE GROUND LEVEL PLANTING MAY COMMENCE.*
4. *THE ORIGINAL IRRIGATION SYSTEM OBSERVATION LOG SHALL BE MAINTAINED ON THE AS-BUILT RECORD DRAWING SET.*
5. *THE AS-BUILT RECORD DRAWING SET AND OTHER CLOSE-OUT ITEMS SHALL BE SUBMITTED AND ACCEPTED PRIOR TO THE SCHEDULING OF A FINAL ACCEPTANCE REVIEW.*
6. *UNLESS NOTED OTHERWISE, SALVAGE AND RETURN TO THE OWNER ALL IRRIGATION VALVES, HEADS AND OTHER EQUIPMENT COMPONENTS REMOVED AS PART OF THE WORK. SALVAGED COMPONENTS SHALL BE CLEAN AND IN WORKING CONDITION UNLESS NOTED AS NON-OPERATIONAL DURING THE OPERATIONAL ASSESSMENT.*

SEE SHEET L102 FOR IRRIGATION NOTES, MWELO CALCS AND DETAILS

General Notes

Blair, Church & Flynn CONSULTING ENGINEERS
Blair, Church & Flynn Consulting Engineers
451 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

Consultant

Mendota Elementary School - Classroom Additions
Mendota Unified School District
605 Bass Avenue, Mendota CA 93640

Project

IRRIGATION PLAN

Drawing

darden architects
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com

Architect

No.	Revision/Submission	Date

Revision

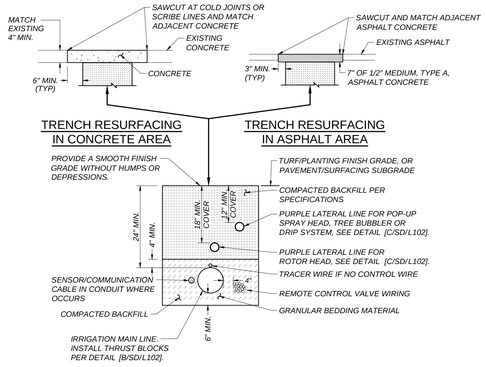
	Designed By: DZ	Copyright 2025 Darden Architects
Scale: AS NOTED	Drawn By: DZ	SD/L101
Project Number: 2277	Checked By: CMH	
Date: 4/22/2025	Reviewed By: DWB	Sheet: 01 of: 03

KEYMAP

Drawing: P:\224-0172\Site\productiondrawings\224172_IR01.dwg; L101 - BCF:CTB
Plot by: dgoona Apr 22, 2025 - 5:45pm

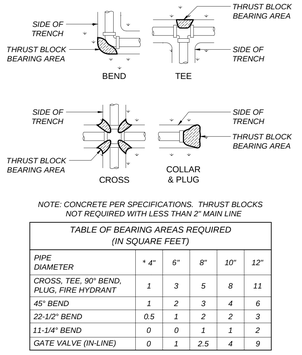
GENERAL IRRIGATION NOTES:

1. *ALL ITEMS IN THE LEGEND ARE TO BE FURNISHED AND INSTALLED, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL FURNISH THE ARTICLES, EQUIPMENT, MATERIALS OR PROCESSES SPECIFIED BY NAME. NO SUBSTITUTION WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE DESIGN ENGINEER. (ALL MATERIAL REQUIRED SHALL BE NEW AND OF THE BEST QUALITY AVAILABLE)*
2. *THE DESIGN ENGINEER RESERVES THE RIGHT TO REJECT ANY MATERIAL OR WORK WHICH DOES NOT CONFORM TO THE CONTRACT PLANS AND SPECIFICATIONS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE DESIGN ENGINEER.*
3. *PRIOR TO STARTING WORK, THE CONTRACTOR SHALL VERIFY THE EXISTING SYSTEM COMPONENTS' LOCATION, SIZES AND ROUTING FOR BACKFLOW PREVENTERS, CONTROLLERS, MAIN AND LATERAL PIPING, VALVES, SPRINKLER HEADS AND CONTROL WIRE; AND SHALL CONFIRM THEIR OPERATIONAL STATUS IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL ALSO VERIFY THE AVAILABLE STATIC PRESSURE AT THE POINT-OF-CONNECTION. FAILURE TO NOTIFY THE OWNER'S REPRESENTATIVE BEFORE STARTING WORK OF ANY DEVIATION FROM THE INFORMATION SHOWN ON THE CONTRACT DOCUMENTS, OR NECESSARY REPAIRS TO THE EXISTING SYSTEM, SHALL MAKE THE CONTRACTOR RESPONSIBLE TO PROVIDE, AT HIS OWN EXPENSE, ANY CORRECTIVE WORK OR COMPONENTS NECESSARY FOR A FULLY FUNCTIONAL SYSTEM WITH FULL COVERAGE.*
4. *THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND KEEP ANY EXISTING IRRIGATION SYSTEM SCHEDULED TO REMAIN OPERATIONAL AT ALL TIMES DURING THE COURSE OF THIS WORK. THE CONTRACTOR SHALL REPLACE ANY PLANTS DEAD OR DISTRESSED DUE TO THE INTERRUPTION OF EXISTING IRRIGATION SCHEDULES AND SHALL PERFORM ALL WORK NECESSARY TO MAINTAIN THE EXISTING SYSTEM'S OPERATIONAL.*
5. *THE CONTRACTOR IS RESPONSIBLE TO LOCATE AND PROTECT ALL EXISTING UTILITIES. UTILITIES SHOWN ARE FOR THE CONTRACTOR'S AWARENESS AND NO SURVEY HAS BEEN COMPLETE TO VERIFY THE ACCURACY OF THE UTILITIES SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO REPAIR ANY DAMAGED UTILITIES CAUSED BY CONSTRUCTION ACTIVITIES.*
6. *THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL DIMENSIONS SHOWN AND TO ADJUST SAID DIMENSIONS TO FIT SITE CONDITIONS AND ACTUAL EQUIPMENT INSTALLED.*
7. *THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION FACILITIES AS INDICATED ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER.*
8. *THE IRRIGATION PLAN IS DIAGRAMMATIC. ALL PIPING, VALVES, AND HEADS SHALL BE LOCATED IN PLANTING AREAS WHENEVER POSSIBLE.*
9. *THE CONTRACTOR SHALL PROVIDE ADEQUATE SAFETY MEASURES TO WARN AND PROTECT THE PUBLIC, OTHER SITE CONTRACTORS AND HIS WORKERS FROM POSSIBLE INJURY DUE TO HIS CONSTRUCTION EQUIPMENT AND OPERATIONS.*
10. *DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, ETC. WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL HIS WORK, AND PLAN HIS WORK ACCORDINGLY, FURNISHING SUCH FITTINGS, ETC., AS MAY BE REQUIRED TO INSTALL THE PROPOSED FACILITIES AND ACCOMMODATE THE SITE CONDITIONS. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE DONE TO PROVIDE A COMPLETE AND OPERATIONAL IRRIGATION SYSTEM. ALL WORK TO BE DONE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, LOCAL CODES AND ORDINANCES.*
11. *VALVES SHALL BE LOCATED IN SHRUB/GROUND COVER AREAS INSTEAD OF IN TURFGRASS AREAS WHENEVER POSSIBLE. VALVES IN ATHLETIC SPORTS FIELDS SHALL BE LOCATED OUTSIDE OF THE FIELD-OF-PLAY TO THE GREATEST EXTENT POSSIBLE.*
12. *THE CONTRACTOR SHALL REPLACE ANY EXISTING PLANTS SCHEDULED TO REMAIN (SEE LANDSCAPE PLANS) THAT ARE DAMAGED BY THIS WORK WITH NEW PLANTS OF THE SAME SPECIES/VARIETY AND SIZE AS THE ORIGINAL.*
13. *ANY EXISTING TURFGRASS REMOVED FOR THIS WORK SHALL BE REPLANTED IF VIABLE, OR NEW SOD OF THE SAME SPECIES/VARIETY INSTALLED. THE UPPER 6 INCHES OF THE COMPACTED TRENCH BACKFILL SHALL BE CONDITIONED PER LANDSCAPE SPECIFICATIONS PRIOR TO SOD INSTALLATION. THE NEW SOD SURFACE SHALL BE FLUSH TO THE ADJACENT TURFGRASS WITHOUT HUMPS OR DEPRESSIONS.*
14. *INSTALL SLEEVES UNDER ALL ASPHALT/CONCRETE IMPROVEMENTS. SLEEVES SHALL BE PVC SCH. 40 PVC OR SDR 35 AND TWICE THE DIAMETER OF THE PIPE UNLESS OTHERWISE NOTED. CONTROL WIRING SHALL BE SLEEVED IN 2" SCH 40 PVC UNLESS OTHERWISE NOTED. MINIMUM DEPTH OF SLEEVES UNDER ALL ASPHALT/CONCRETE IMPROVEMENTS IS 18" BELOW SUBGRADE OR 24" BELOW FINISHED GRADE, WHICHEVER IS GREATER.*
15. *CONTRACTOR SHALL SAWCUT TO EXISTING JOINTS. REMOVE AND REPLACE SURFACING (CONCRETE, ASPHALT) AS NECESSARY TO INSTALL THE IRRIGATION SYSTEM.*
16. *THE CONTRACTOR SHALL PROVIDE AND KEEP AN UP-TO-DATE "RECORD DRAWING" SHOWING ALL CHANGES TO THE ORIGINAL DRAWINGS AND EXACT LOCATIONS OF THE FACILITIES INSTALLED. BEFORE FINAL INSPECTION, THE CONTRACTOR SHALL FURNISH MARKED "RECORD DRAWINGS" TO THE INSPECTOR.*
17. *THE CONTRACTOR SHALL PROVIDE ADJUSTMENT OF NOZZLE ARC AND RADIUS, INCLUDING ANY ALTERNATE NOZZLE TYPES, NECESSARY TO PROVIDE COMPLETE COVERAGE, TO SUIT ACTUAL SITE CONDITIONS, AND TO MINIMIZE OVERSPRAY ONTO HARDSCAPE, PAVEMENT AND/OR STRUCTURES.*
18. *CONCRETE ANCHORS OR THRUST BLOCKS SHALL BE PROVIDED ON ALL MAIN LINE PIPING. THEY ARE TO BE LOCATED AT ALL ABRUPT CHANGES IN PIPELINE GRADE, CHANGES IN HORIZONTAL ALIGNMENT, REDUCTION IN PIPE SIZES, END OF LINE AND IN-LINE VALVES TO ABSORB ANY AXIAL THRUST OF THE PIPE. THE PIPE MANUFACTURER'S RECOMMENDATIONS FOR THRUST CONTROL SHALL BE FOLLOWED. THRUST BLOCKS MUST BE FORMED AGAINST UNDISTURBED EARTH.*
19. *ALL MAIN LINE AND LATERAL LINE PIPES UNDER PAVEMENT SHALL BE PRESSURE TESTED WITH THE VALVES INSTALLED. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT NEEDED. IF ANY LEAKS DEVELOP, THE REPAIRS ARE TO BE MADE AND THE TEST REPEATED UNTIL THE SYSTEM IS PROVEN WATERTIGHT. THE CONTRACTOR IS TO CENTER LOAD THE PIPE AND LEAVE ALL JOINTS EXPOSED FOR INSPECTION. THE PRESSURE TEST SHALL BE OBSERVED AND APPROVED BY THE OWNER'S REPRESENTATIVE. WHEN THE PIPE IS PROVEN WATERTIGHT AND ONLY THEN MAY THE LINE BE BACKFILLED.*
20. *WIRED CONNECTIONS BETWEEN THE CONTROLLER AND REMOTE CONTROL VALVES SHALL BE MADE WITH ONE CONTINUOUS DIRECT BURIAL WIRE RUN. A VALVE BOX MUST BE PROVIDED AT THE CONTRACTOR'S EXPENSE AT ALL UNDERGROUND SPLICES.*
21. *ONLY TEFLON TAPE OR AN APPROVED TEFLON PASTE MAY BE USED AS THE SEALING MATERIAL TO MAKE ALL THREADED CONNECTIONS. A MINIMUM OF TWO (2) WRAPS IN THE DIRECTION OF THE THREADS TO BE USED FOR TAPE. NO OTHER PIPE JOINT MATERIAL WILL BE ALLOWED WITHOUT THE WRITTEN AUTHORIZATION FROM THE DESIGN ENGINEER.*
22. *THE CONTRACTOR SHALL PROVIDE TWO (2) INDIVIDUALLY BOUND SETS OF OPERATION AND MAINTENANCE MANUALS. THE MANUAL SHALL CONTAIN THE FOLLOWING INFORMATION:*
    - *A. CONTRACTOR'S ADDRESS AND PHONE NUMBER.*
    - *B. DURATION OF GUARANTEE PERIOD (ONE YEAR AFTER FINAL ACCEPTANCE).*
    - *C. NAMES, ADDRESSES AND PHONE NUMBERS OF LOCAL MANUFACTURER REPRESENTATIVES.*
    - *D. COMPLETE SET OF MANUFACTURER'S LITERATURE AND SPECIFICATIONS.*
    - *E. COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL MAJOR EQUIPMENT.*
    - *F. ISSUE A "CERTIFICATE OF CONSTRUCTION COMPLIANCE" WHICH STATES THAT ALL WORK DONE AND MATERIALS AND EQUIPMENT USED ARE IN CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND ALL AUTHORIZED REVISIONS.*
    - *G. INITIAL ELECTRICAL DATA ON EACH VALVE:*
        - *(1) OHMMS READING FOR EACH VALVE TAKEN AT THE CONTROLLER.*
        - *(2) VOLTAGE READING FOR EACH VALVE TAKEN BOTH AT THE CONTROLLER AND AT THE VALVE.*
23. *THE CONTRACTOR SHALL PROVIDE TWO SETS OF CONTROLLER CHARTS. THE CHARTS TO BE A REDUCED DRAWING OF THE ACTUAL PLANS. THE CHARTS SHALL BE COLORED WITH A DIFFERENT COLOR FOR EACH IRRIGATION CIRCUIT. THE CHARTS SHALL BE COVERED IN A WATERTIGHT ENVELOPE.*
24. *IRRIGATION LINE TRENCHING AND PIPE INSTALLATION LOCATED WITHIN THE CANOPY DRIP LINE OF EXISTING TREES SHALL BE PERFORMED BY HAND OR BY AIR SPADE WITHOUT CUTTING OR DAMAGING EXISTING ROOTS GREATER THAN ONE INCH IN DIAMETER. SEE EXISTING LANDSCAPE PROTECTION SECTION FOR ADDITIONAL REQUIREMENTS.*
25. *REPLACE ALL DAMAGED EXISTING VALVE BOXES AND/OR LIDS WITHIN THE AREA OF WORK. ADJUST THE ELEVATION OF ALL EXISTING VALVE BOXES WITHIN THE AREA OF WORK TO FINISH GRADE AS NECESSARY TO COMPLY WITH THE VALVE BOX DETAIL.*



TYPICAL TRENCH SHOWN IN PLANTING AREA

A SD/L102 IRRIGATION TRENCH BACKFILL — *NOT TO SCALE*



NOTE: CONCRETE PER SPECIFICATIONS. THRUST BLOCKS NOT REQUIRED WITH LESS THAN 2" MAIN LINE

TABLE OF BEARING AREAS REQUIRED (IN SQUARE FEET)

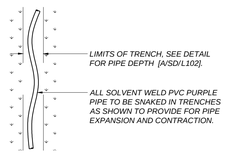
PIPE DIAMETER	* 4"	6"	8"	10"	12"
CROSS, TEE, 90° BEND, PLUG, FIRE HYDRANT	1	3	5	8	11
45° BEND	1	2	3	4	6
22-1/2° BEND	0.5	1	2	2	3
11-1/4° BEND	0	0	1	1	2
GATE VALVE (IN-LINE)	0	1	2.5	4	9

B SD/L102 CONCRETE THRUST BLOCKS — *NOT TO SCALE*

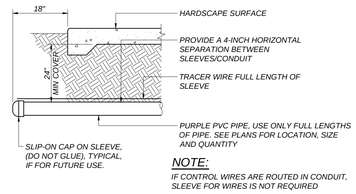
CONDUIT/SLEEVE FOR CONTROL WIRE

CONDUIT/SLEEVE SIZE	QTY. 14 GA. WIRE
1"	8 OR LESS
1-1/4"	15
1-1/2"	20
2"	32
2-1/2"	45
3"	70
4"	120

NOTE: SLEEVE FOR PIPE IS 2X THE PIPE DIAMETER



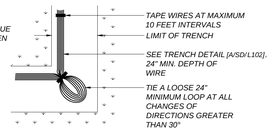
C SD/L102 SOLVENT WELD PIPE — *NOT TO SCALE*



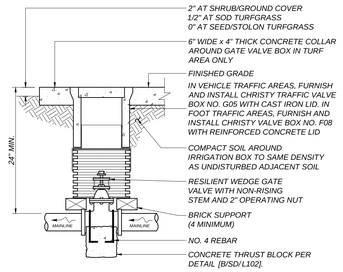
NOTE:
IF CONTROL WIRES ARE ROUTED IN CONDUIT, SLEEVE FOR WIRES IS NOT REQUIRED

D SD/L102 IRRIGATION SLEEVE/CONDUIT — *NOT TO SCALE*

NOTES:
1. *WIRES UNDER PAVEMENT OR WALKS SHALL BE INSTALLED WITHIN A CONDUIT WHICH HAS BEEN PLACED BY BORING, JACKING OR DRILLING. CONDUIT TO BE PVC SCH 40 TYPE II PIPE. WIRES SHALL NOT BE TAPED TOGETHER INSIDE THE CONDUIT.*
2. *NO SPLICES ARE ALLOWED BETWEEN POINTS OF CONNECTIONS.*
3. *A VALVE BOX MUST BE PROVIDED AT ALL UNDERGROUND SPLICE CONNECTIONS.*
4. *HOT - RED*
   COMMON - WHITE
   SPARE HOT - BLACK
   SPARE COMMON - BLUE
   TRACER WIRE - GREEN

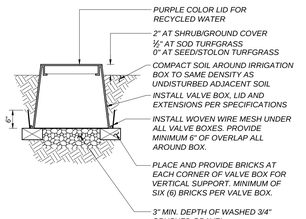


E SD/L102 IRRIGATION WIRE — *NOT TO SCALE*

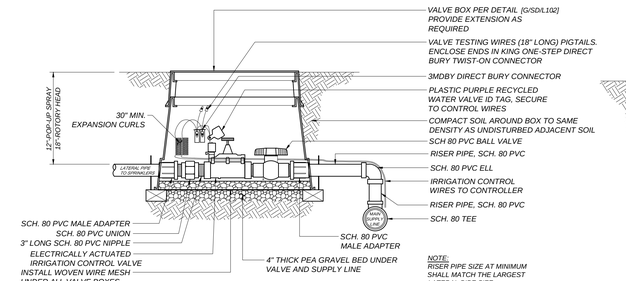


F SD/L102 2" AND LARGER GATE VALVE — *NOT TO SCALE*

NOTE:
PROVIDE A TRAFFIC RATED CONCRETE BOX AND LID FOR ANY BOX LOCATED IN HARDSCAPE PAVEMENT AND SET FLUSH TO FINISHED SURFACE. PROVIDE A 6"X6" CONCRETE COLLAR AROUND THE BOX IF LOCATED IN ASPHALTIC CONCRETE. PAINT LID PURPLE FOR RECYCLED WATER

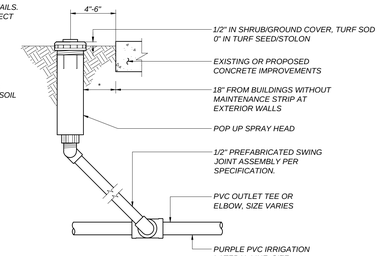


G SD/L102 IRRIGATION VALVE BOX — *NOT TO SCALE*

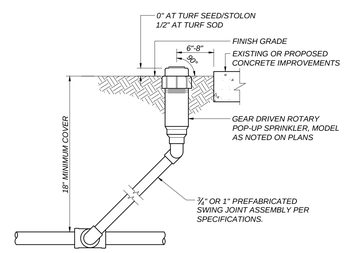


NOTE:
RISER PIPE SIZE AT MINIMUM SHALL MATCH THE LARGEST LATERAL PIPE SIZE

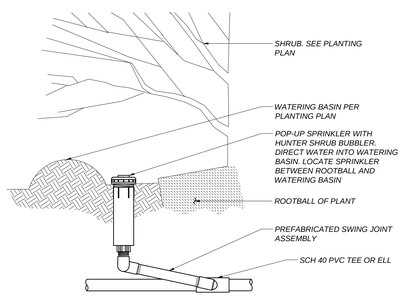
H SD/L102 REMOTE CONTROL VALVE WITH BALL VALVE - GLOBE — *NOT TO SCALE*



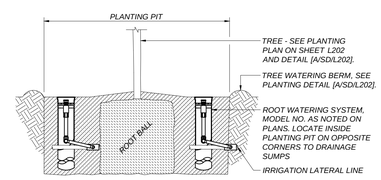
I SD/L102 POP-UP SPRAY — *NOT TO SCALE*



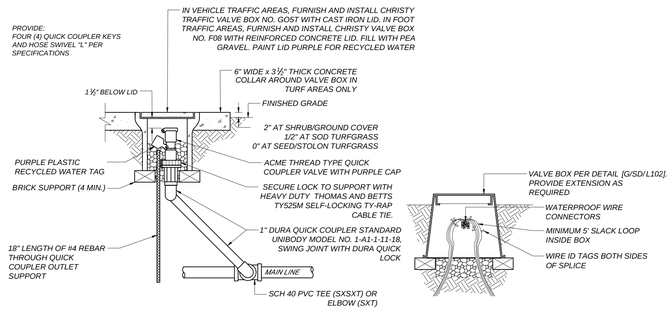
J SD/L102 POP-UP ROTOR — *NOT TO SCALE*



K SD/L102 SHRUB BUBBLER — *NOT TO SCALE*



L SD/L102 ROOT WATERING SYSTEM — *NOT TO SCALE*



M SD/L102 QUICK COUPLER VALVE — *NOT TO SCALE*

N SD/L102 SPLICEBOX — *NOT TO SCALE*

DSA File No.: 10-89

DSA Application No.: 02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

General Notes

Blair, Church & Flynn CONSULTING ENGINEERS
Blair, Church & Flynn Consulting Engineers
451 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

Consultant

Mendota Elementary School - Classroom Additions
Mendota Unified School District
605 Bass Avenue, Mendota CA 93640

Project

IRRIGATION DETAILS

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

Architect

No.	Revision/Submission	Date

Revision

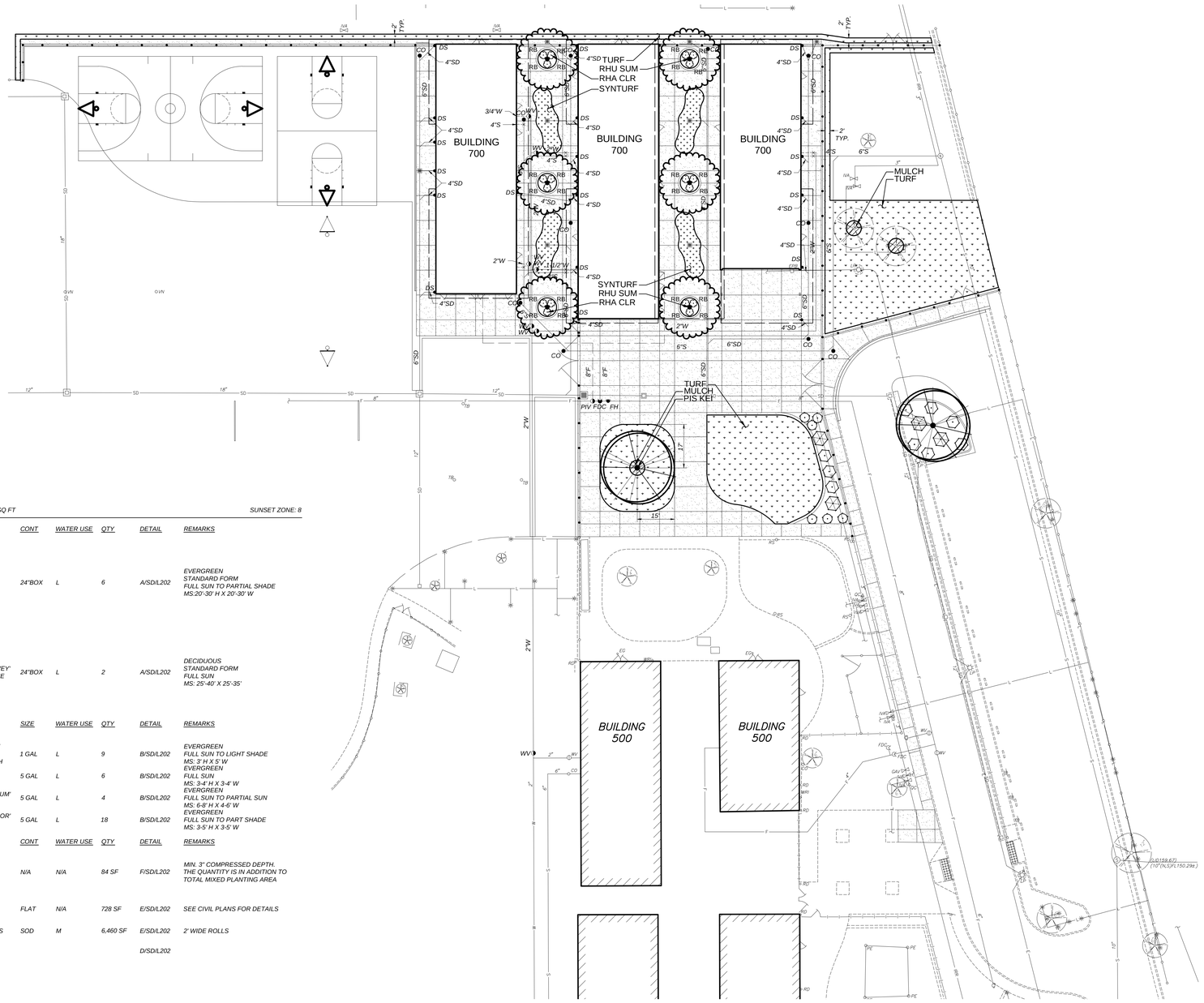
Designed By: DZ
Drawn By: DZ
Checked By: CMH
Reviewed By: DWB

Scale: AS NOTED
Project Number: 2277
Date: 4/22/2025

SD/L102

Sheet: 02 of: 03

Drawing: P:\224-0172\Site\productiondrawings\224172_IR0701.dwg; L102 - BCF.CTB
Plot by: dgoins Apr 22, 2025 - 5:45pm



PLANT LEGEND:

TOTAL MIXED PLANTING AREA: 1,150 SQ FT — *SUNSET ZONE: 8*

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	WATER USE	QTY	DETAIL	REMARKS
TREES							
	RHU SUM	SEARSIA LANCEA AFRICAN SUMAC	24"BOX	L	6	A/SD/L202	EVERGREEN STANDARD FORM FULL SUN TO PARTIAL SHADE MS:20'-30' H X 20'-30' W
LARGE TREES							
	PIS KEI	PISTACIA CHINENSIS 'KEITH DAVEY' KEITH DAVEY CHINESE PISTACHE	24"BOX	L	2	A/SD/L202	DECIDUOUS STANDARD FORM FULL SUN MS: 25'-40' X 25'-35'
SYMBOL	**CODE**	**BOTANICAL / COMMON NAME**	**SIZE**	**WATER USE**	**QTY**	**DETAIL**	**REMARKS**
SHRUBS							
	CAL DWA	CALLISTEMON VIMINALIS 'LITTLE JOHN' DWARF WEEPING BOTTLEBRUSH	1 GAL	L	9	B/SD/L202	EVERGREEN FULL SUN TO LIGHT SHADE MS: 3' H X 5' W
	DIE VEG	DIETES VEGETA AFRICAN IRIS	5 GAL	L	6	B/SD/L202	EVERGREEN FULL SUN MS: 3-4' H X 3-4' W
	LIG TEX	LIGUSTRUM JAPONICUM 'TEXANUM' TEXAS JAPANESE PRIVET	5 GAL	L	4	B/SD/L202	EVERGREEN FULL SUN TO PARTIAL SUN MS: 6-8' H X 4-6' W
	RHA CLR	RHAPHIOLEPIS UMBELLATA 'MINOR' CLARA INDIAN HAWTHORN	5 GAL	L	18	B/SD/L202	EVERGREEN FULL SUN TO PART SHADE MS: 3-5' H X 3-5' W
SYMBOL	**CODE**	**BOTANICAL / COMMON NAME**	**CONT**	**WATER USE**	**QTY**	**DETAIL**	**REMARKS**
GROUND COVERS							
	MULCH	WOOD MULCH WALK-ON BARK TYPE	N/A	N/A	84 SF	F/SD/L202	MIN. 3" COMPRESSED DEPTH. THE QUANTITY IS IN ADDITION TO TOTAL MIXED PLANTING AREA
TURF							
	SYNTURF	SYNTHETIC TURF	FLAT	N/A	728 SF	E/SD/L202	SEE CIVIL PLANS FOR DETAILS
	TURF	'CELEBRATION' BERMUDAGRASS	SOD	M	6,460 SF	E/SD/L202	2' WIDE ROLLS
	RB	ROOT BARRIER UB24-2				D/SD/L202	

TREE SIZE AND QUALITY STANDARDS

AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1) AND GUIDELINE SPECIFICATIONS FOR NURSERY TREE QUALITY (URBAN TREE FOUNDATION) SHALL APPLY

	TYPES 1 & 2 SHADE TREES			TYPE 3 SMALL UPRIGHT TREES**			TYPE 4 SMALL SPREADING TREES***		
CONTAINER SIZE	MIN. CALIPER	MAX. CALIPER	TYPE 1 MIN./MAX. HEIGHT*	MIN. CALIPER	MAX. CALIPER	MIN./MAX. HEIGHT	MIN. CALIPER	MAX. CALIPER	MIN./MAX. HEIGHT
15 GALLON	0.75	2.0	7-10 FT	0.75	2.0	6-8 FT	0.75	2.0	4-8 FT
24" BOX	1.25	3.0	8-12 FT	1.25	3.0	8-10 FT	1.25	3.0	6-10 FT
36" BOX	1.75	3.5	10-16 FT	1.75	3.5	10-14 FT	1.75	3.5	7-12 FT
42" BOX	2.0	4.0	12-20 FT	2.0	4.0	12-18 FT	2.0	4.0	8-14 FT
48" BOX	2.5	5.0	14-26 FT	2.5	5.0	14-22 FT	2.5	5.0	9-16 FT

* TYPE 2 TREE HEIGHTS SHALL NOT BE LESS THAN TWO-THIRDS THE LISTED HEIGHT RANGE.

** TYPE 3 TREES SHALL HAVE A MINIMUM OF SEVEN BRANCHES

*** TYPE 4 TREES SHALL HAVE A MINIMUM OF EIGHT BRANCHES

CALIPER MEASUREMENT FOR CLUMP OR MULTI-STEM TREES IS ONE-HALF THE SUM OF THE THREE LARGEST TRUNK CALIPERS

CALIPER MEASUREMENT: FOR <4" TRUNK IS +6" ABOVE ROOTBALL (NOT INCLUDING ROOTSTOCK). >4" TRUNK IS +12"

TREES SHALL HAVE A CENTRAL LEADER. NEW LEADERS LESS THAN HALF THE DIAMETER OF A HEADED LEADER, BROKEN OR CO-DOMINATE LEADERS ARE NOT ACCEPTABLE

SCAFFOLD BRANCHES SHALL BE LESS THAN 2/3 THE DIAMETER OF THE TRUNK, WITHOUT INCLUDED BARK AT ATTACHMENT. SCAFFOLD BRANCHES SHALL BE BALANCED, WELL SPACED VERTICALLY, AND WITH A RADIALLY BLANK SECTOR NO GREATER THAN 1/3 OF THE CANOPY CIRCUMFERENCE.

TEMPORARY BRANCHES ON THE LOWER TRUNK SHALL BE LESS THAN 3/8 INCH DIAMETER; AND THE CLEAR TRUNK HEIGHT SHALL BE NO MORE THAN 40% OF THE TOTAL TREE HEIGHT.

THE ROOT COLLAR AND ROOTBALL SHALL BE FREE OF DEFECTS INCLUDING CIRCLING, KINKED AND GIRDLING ROOTS. ROOTS THE EDGE AND BOTTOM OF THE CONTAINER SHALL BE LESS THAN 1/4 INCH DIAMETER; AND UNIFORM THROUGHOUT THE CONTAINER.

TREE CANOPY WIDTH SHALL BE A MINIMUM OF 25% OF THE STANDARD FORM TREE HEIGHT.

DO NOT HEAD BACK OR PRUNE TREES UNLESS APPROVED AND/OR DIRECTED TO BY THE LANDSCAPE ARCHITECT

LANDSCAPE SHADE CALCULATIONS — *SHADING PER CALGREEN 5.106.12*

SITE SHADING - LANDSCAPE & HARDSCAPE	QUANTITY PROPOSED (SF)	PERCENT REQUIRED	SHADE AREA REQUIRED (SF)
LANDSCAPED AREA (EXCLUDING SPECIAL USE & PARKING LANDSCAPE AREAS)	1,150	20	230
UNCOVERED HARDSCAPE AREA (EXCLUDING PARKING HARDSCAPE AREAS)	1,896	20	379
TOTAL SITE SHADE REQUIRED			609
PROVIDED SHADE TREES	**PROVIDED SHADE AREA**	**NO. TREES**	
VERY LARGE (40' dia.= 1256 SF)	0	0	
LARGE (35' dia.= 962 SF)	962	1	
MEDIUM (30' dia.= 707 SF)	0	0	
SMALL (20' dia.= 314 SF)	1,884	6	
TOTALS	2,846	7	
OVER (UNDER) LANDSCAPE & HARDSCAPE SHADE REQUIREMENT			2,237

LANDSCAPE PLANTING AREA REQUIREMENT:

NEW BUILDING FOOTPRINT:	9,755	S.F.
REQUIRED MWELO COMPLIANT PLANTING:	7,316	S.F.
EXISTING IRRIGATION AREA SCHEDULED FOR REMOVAL:	10,413	S.F.
PROPOSED NEW COMPLIANT PLANTING:	3,072	S.F.
TOTAL MWELO COMPLIANT PLANTING:	13,485	S.F.
EXCESS / DEFICIT OF PROPOSED COMPLIANT PLANTING:	6,169	S.F.

LANDSCAPE PLANTING OBSERVATION LOG

ITEM NO.	WORK ITEM DESCRIPTION	REVIEWED & ACCEPTED BY OWNER'S REPRESENTATIVE: PRINT NAME	SIGNATURE	DATE
PL-1	REPORT & PROTECTION OF EXISTING TREES			
PL-2	RIPPING OF PLANTING AREAS			
PL-3	SOIL CONDITIONING & TILLAGE DEPTH			
PL-4	IRRIGATION COVERAGE PRIOR TO PLANTING			
PL-5	FINISH GRADING PRIOR TO PLANTING			
PL-6	TREES - INITIAL QUALITY & LAYOUT			
PL-7	PLANTS - INITIAL QUALITY & LAYOUT			
PL-8	GRANULAR PRE-EMERGENT HERBICIDE IN MULCHED AREAS			
PL-9	WOOD MULCH DEPTH			

NOTES: THE ORIGINAL VERSION OF THIS LOG SHALL BE MAINTAINED ON THE AS-BUILT RECORD DRAWING SET.
WORK ITEMS MAY NOT BE REVIEWED IF PRIOR WORK ITEMS HAVE NOT BEEN ACCEPTED.

SCALE: N 1"=20'

0 5 20 40
SCALE IN FEET

Know what's below. Call before you dig.

KEYMAP

DSA File No.: 10-89

DSA Application No.: 02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

CONTRACTOR SPECIAL PLANTING NOTES:

1. *AN ASSESSMENT AND VALUATION OF ONSITE EXISTING TREES SCHEDULED TO REMAIN IN THE AREA OF WORK SHALL BE PERFORMED BY THE CONTRACTOR'S ARBORIST PRIOR TO THE START OF CONSTRUCTION OPERATIONS PER THE 'EXISTING LANDSCAPE PROTECTION' SPECIFICATION.*
2. *THE CONTRACTOR SHALL RIP, CONDITION AND TILL THE ENTIRE EXTENT OF ALL PLANTING AREAS RECEIVING NEW PLANTS PER THE PLANTING NOTES AND 'LANDSCAPE PLANTING' SPECIFICATIONS.*
3. *ALL EXISTING MIXED PLANTING AREAS RECEIVING NEW WOOD MULCH SHALL BE MANUALLY TILLED TO A MINIMUM DEPTH OF 4 INCHES, CLODS BROKEN UP, TO A MAXIMUM 1 INCH DIAMETER. FINISH GRADED TO 2 INCHES BELOW ADJACENT SURFACES AND UTILITY/IRRIGATION BOXES WITHIN 12 INCHES OF THE HARDSCAPE EDGE, AND A PRE-EMERGENT HERBICIDE APPLIED PRIOR TO WOOD MULCH INSTALLATION. PROTECT EXISTING PLANTING DURING WOOD MULCH PREPARATION AND INSTALLATION.*
4. *THE ORIGINAL PLANTING OBSERVATION LOG SHALL BE MAINTAINED ON THE AS-BUILT RECORD DRAWING SET.*
5. *THE AS-BUILT RECORD DRAWING SET AND MAINTENANCE MANUAL SHALL BE SUBMITTED AND ACCEPTED PRIOR TO THE SCHEDULING OF A FINAL ACCEPTANCE REVIEW.*

LANDSCAPE PLANTING BID ALLOWANCE:

CONTRACTOR SHALL INCLUDE A BID ALLOWANCE IN THE AMOUNT OF $1,000 FOR THE REMOVAL AND REPLACEMENT OF EXISTING PLANTS/TURFGRASS AND/OR THE INSTALLATION OF NEW PLANTS/TURFGRASS WHERE NOT SPECIFICALLY SHOWN ON THE DRAWINGS FOR REPLACEMENT OR INSTALLATION.

WATER CONSERVATION COMPLIANCE STATEMENT:

I HAVE COMPLIED WITH THE CRITERIA OF THE LANDSCAPE WATER CONSERVATION ORDINANCE AND GUIDELINES, AND HAVE APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE PLANTING DESIGN PLAN.

DAVID W. BRILEY, RLA 2787

SEE SHEET L202 FOR PLANTING LEGEND, NOTES, AND DETAILS

General Notes

Blair, Church & Flynn CONSULTING ENGINEERS

Blair, Church & Flynn
Consulting Engineers
451 Clovis Avenue,
Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

Consultant

Mendota Elementary School - Classroom Additions
Mendota Unified School District
605 Bass Avenue, Mendota CA 93640

Project

PLANTING PLAN

Drawing

darden architects
ARCHITECTURE
PLANNING
INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

Architect

No.	Revision/Submission	Date

Revision

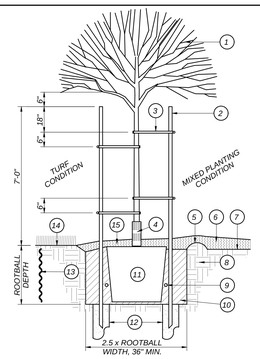
Designed By: DZ
Drawn By: DZ
Checked By: CMH
Reviewed By: DWB

Scale: AS NOTED
Project Number: 2277
Date: 4/22/2025

SD/L201

Sheet: 03 of: 03

Drawing: P:\224-0172\Site\productiondrawings\224172_LA01.dwg; L201 — BCF.CTB
Plot by: dgoens Apr 22, 2025 — 5:45pm



LEGEND:

1. *TREE PER PLANTING PLAN.*
2. *2" X 10' LODGEPOLE PINE STAKE. DO NOT DRIVE STAKE THROUGH ROOTBALL. CUT OFF TOP SECTION DAMAGED BY HAMMERING. TOP OF STAKE IS 6" CLEAR OF LOWEST TREE BRANCHES.*
3. *FLEXIBLE VINYL TREE TIE, 4 / TREE (V.I.T. OR APPROVED EQUAL.)*
4. *TREE TRUNK PROTECTOR (GRAY) WHERE TREE IS IN TURF AREA.*
5. *4" HIGH WATERING BERM.*
6. *ADJACENT PLANTING AREA WITH MULCH WHERE OCCURS.*
7. *FINISH GRADE.*
8. *SITE SOIL.*
9. *PLANT FERTILIZER TABLET. SEE SPECIFICATIONS.*
10. *AMENDED BACKFILL. SEE SPECIFICATIONS.*
11. *ROOTBALL. SET TOP OF ROOTBALL 2" ABOVE FINISH GRADE.*
12. *DRAINAGE SUMP: 12" DIA. PER DRAINAGE SUMP NOTES. FILL WITH CONCRETE SAND PER SSPWC 200-1.5.5.*
13. *ROOT CONTROL BARRIER WHERE REQUIRED. SEE GENERAL PLANTING NOTES AND DETAIL [DSD/L203].*
14. *ADJACENT TURFGRASS PLANTING WHERE OCCURS.*
15. *MULCH, MINIMUM 3" DEPTH. SEE GENERAL PLANTING NOTE 17.*

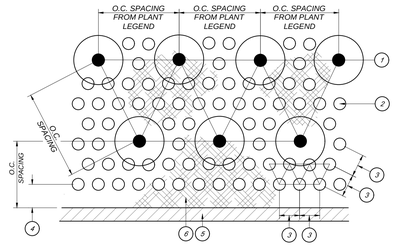
DRAINAGE SUMP NOTES:

A. DRAINAGE SUMPS SHALL PENETRATE THROUGH AND BEYOND ANY UNDERLYING PAVEMENT OR HARDPAN SOIL STRATUM, AND SUCH PAVEMENT OR HARDPAN MATERIAL SHALL BE REMOVED FROM THE SUMP HOLES.

B. THE SUMP HOLE SHALL BE DRILLED TO MINIMUM DEPTH OF TEN (10) FEET, UNLESS VISUAL EVIDENCE OF A SUBSURFACE SAND AND/OR GRAVEL DRAINAGE STRATUM IS APPARENT AT A LESSER DEPTH. THE SUMP HOLES SHALL EXTEND INTO THE DRAINAGE STRATUM A MINIMUM OF ONE (1) FOOT.

A SD/L202 DOUBLE STAKE TREE PLANTING

NOT TO SCALE

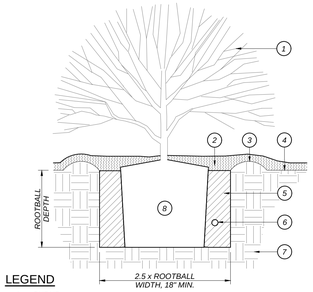


LEGEND:

1. *CONTAINER SHRUB OR GROUND COVER IN TRIANGULATED ROWS. SEE SHRUB PLANTING PER DETAIL [B/SD/L202].*
2. *GROUND COVER FLATS OR LINERS - TRIANGULATED ROWS.*
3. *SPACE PER PLANT LEGEND. OMIT PLANTS WHERE IN CONFLICT WITH SHRUBS OR TREE WATERING BASINS.*
4. *SPACING DISTANCE FROM PLANT LEGEND.*
5. *HARDSCAPE ELEMENT: CURB, WALK, ETC.*
6. *MULCH PER SPECIFICATIONS.*

B SD/L202 SHRUB PLANTING

NOT TO SCALE

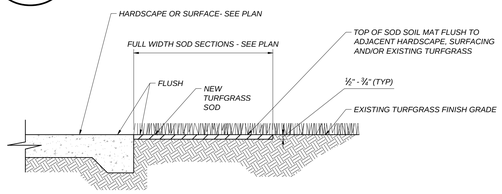


LEGEND

1. *SHRUB.*
2. *WOOD MULCH LAYER.*
3. *3" HIGH WATERING BASIN.*
4. *FINISH GRADE.*
5. *AMENDED BACKFILL. SEE SPECIFICATIONS.*
6. *FERTILIZER PACKET. SEE SPECIFICATIONS.*
7. *SITE SOIL.*
8. *ROOTBALL. SET TOP OF ROOTBALL 1" ABOVE FINISH GRADE.*

C SD/L202 SHRUB AND GROUND COVER SPACING

NOT TO SCALE

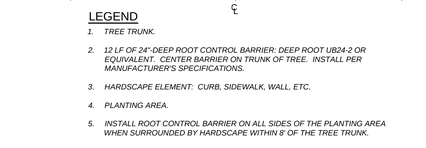


NOTE:

IF THE EXISTING TURFGRASS FINISH GRADE IS HIGHER OR LOWER THAN THE NEW FINISH SURFACE, TRANSITION GRADE THE NEW SOD AT A MAXIMUM 1V:12H SLOPE

D SD/L202 ROOT CONTROL BARRIER

NOT TO SCALE



LEGEND

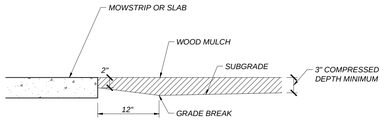
1. *TREE TRUNK.*
2. *12 LF OF 24"-DEEP ROOT CONTROL BARRIER: DEEP ROOT UB24-2 OR EQUIVALENT. CENTER BARRIER ON TRUNK OF TREE. INSTALL PER MANUFACTURER'S SPECIFICATIONS.*
3. *HARDSCAPE ELEMENT: CURB, SIDEWALK, WALL, ETC.*
4. *PLANTING AREA.*
5. *INSTALL ROOT CONTROL BARRIER ON ALL SIDES OF THE PLANTING AREA WHEN SURROUNDED BY HARDSCAPE WITHIN 8' OF THE TREE TRUNK.*

E SD/L202 TURF SOD INSTALLATION

NOT TO SCALE

F SD/L202 MULCH DETAIL

NOT TO SCALE



PLANTING NOTES:

1. *IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE IF IT IS OBVIOUS THAT OBSTRUCTIONS OR STRUCTURES, IRRIGATION SYSTEM MALFUNCTION, EXISTING TREES OR PLANTS, GRADE DIFFERENCES OR CHANGES IN THE SITE PLAN ARE PRESENT THAT WILL IMPACT THE PLANTING DESIGN. FAILURE TO GIVE SUCH NOTIFICATION SHALL PLACE THE RESPONSIBILITY ON THE CONTRACTOR FOR ANY REVISIONS OR REPLACEMENTS NECESSARY FOR CORRECTION.*
2. *ANY EXISTING PLANTING SHOWN ON THE PLAN IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY THE EXISTING PLANTING AT THE SITE PRIOR TO STARTING WORK. UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL PROTECT THE EXISTING PLANTING ADJACENT TO THE WORK FROM DAMAGE OR DISTRESS.*
3. *ALL TREES AND SHRUBS SHALL BE OF CLASS A QUALITY WITHOUT PESTS, DISEASE OR DAMAGE, SHALL BE WELL ESTABLISHED IN THEIR CONTAINERS WITHOUT GIRDLING ROOTS OR EXCESSIVE TOP GROWTH, AND SHALL COMPLY WITH THE REQUIREMENTS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1).*
4. *NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO THE INSTALLATION OF IRRIGATION COMPONENTS AND TREE AND/OR SHRUB PLANTING FOR APPROVAL OF THE PLANT LAYOUT AND PLANT QUALITY. PLANT LOCATIONS SHALL AVOID CONFLICTS WITH EXISTING IMPROVEMENTS, PLANTINGS OR UTILITIES. LIGHT POLES WHILE MEETING THE DESIGN INTENT. DO NOT PLANT TREES WITHIN 15 FEET OF LIGHT POLES UNLESS SPECIFICALLY AUTHORIZED. FAILURE TO OBTAIN SUCH APPROVAL SHALL PLACE THE RESPONSIBILITY ON THE CONTRACTOR FOR ANY RELOCATION OR REPLACEMENT OF IRRIGATION COMPONENTS, PLANTED TREES AND/OR SHRUBS.*
5. *PLANT QUANTITIES ARE PROVIDED FOR BIDDING CONVENIENCE ONLY. THE CONTRACTOR SHALL PROVIDE SUFFICIENT QUANTITIES OF PLANTS EQUAL TO THE SYMBOL COUNT OR TO FILL THE AREA SHOWN ON THE PLAN AT THE SPECIFIED TRIANGULAR SPACING.*
6. *WHERE GROUND COVER PLANTS ARE SHOWN AT A SPECIFIED SPACING, THE GROUND COVER PLANTING CONTINUES UNDERNEATH THE TALLER SHRUBS AND TREES AS SHOWN IN THE PLANTING DETAILS. DO NOT PLANT GROUND COVER IN SHRUB OR TREE WATERING BASINS.*
7. *ALL NEW TREES LOCATED WITHIN 8 FEET OF PAVEMENT OR STRUCTURES SHALL HAVE A ROOT CONTROL BARRIER INSTALLED WHEN PLANTED. UNLESS OTHERWISE SPECIFIED, INSTALL A 12 FOOT LONG X 24 INCH DEEP LINEAR POLYETHYLENE BARRIER VESPRO OR EQUAL AT THE EDGE OF PAVEMENT/STRUCTURE, CENTERED ON THE TREE TRUNK AS SHOWN IN THE PLANTING DETAILS.*
8. *REMOVE NURSERY STAKES FROM TREES AFTER TREE STAKING OR GUYING AS SHOWN IN THE DETAILS.*
9. *INSTALL PERFORATED POLYETHYLENE TREE TRUNK PROTECTORS FOR ALL NEW TREES PLANTED IN TURF. UNLESS NOTED OTHERWISE, MAINTAIN A MINIMUM 6 FOOT DIAMETER MULCHED AREA AT THE BASE OF THE TREE INSIDE THE WATERING BASIN.*
10. *THE CONTRACTOR SHALL PRUNE NEW TREES ONLY WHEN SPECIFICALLY DIRECTED BY THE LANDSCAPE ARCHITECT. TREES HEADED BACK WITHOUT INTACT SCAFFOLDING BRANCH STRUCTURE OR IN ROOT-BOUND CONTAINERS SHALL BE REJECTED.*
11. *SUBMIT REPRESENTATIVE SOIL SAMPLES OF NATIVE AND PROPOSED IMPORT, IF NEEDED, PLANTING TOPSOIL TO A SOIL LAB FOR HORTICULTURAL ANALYSES AND FERTILITY RECOMMENDATIONS. AMEND SOIL ACCORDING TO THE RECOMMENDATIONS OF THE SOILS REPORT AND LANDSCAPE ARCHITECT'S DIRECTION. SEE THE LANDSCAPE PLANTING SPECIFICATIONS FOR ADDITIONAL INSTRUCTIONS.*
12. *PROVIDE SANDY LOAM TOPSOIL PER SPECIFICATION IN ALL RAISED PLANTERS AND WHERE IMPORT TOPSOIL IS REQUIRED. NATIVE SITE SOIL MAY BE USED IN RAISED PLANTERS ONLY WHEN THE NATIVE SITE SOIL MEETS THE CRITERIA FOR SANDY LOAM TOPSOIL AS DETERMINED BY A SOIL ANALYSIS.*
13. *PRIOR TO SOIL CONDITIONING, RIP IN TWO DIFFERENT DIRECTIONS WITH TINES AT 12 INCH SPACING, ALL TURFGRASS AREAS TO A 12 INCH DEPTH, AND SHRUB/GROUND COVER AREAS TO A 18 INCH DEPTH. ROUGH GRADE AND TILL THE APPROVED SOIL CONDITIONERS AND FERTILIZERS INTO THE TOP SIX (6) INCHES PER THE LANDSCAPE PLANTING SPECIFICATIONS. COMPOST RATE SHALL BE A MINIMUM OF FOUR (4) CUBIC YARDS PER 1,000 SQUARE FEET OR AS MODIFIED BY THE LANDSCAPE ARCHITECT BASED ON THE SOUL FERTILITY ANALYSIS.*
14. *UPON THE COMPLETION OF THE SOIL CONDITIONING, REMOVE ROCKS AND CLODS 1 INCH DIAMETER AND GREATER FROM THE TOP TWO INCHES OF TOPSOIL, AND ALL DEBRIS. FINISH GRADE THE AREA TO +/- 0.04 FOOT TOLERANCE. FINISH GRADE IN MULCHED AREAS SHALL BE STRAIGHT GRADES WITHOUT HUMPS OR DEPRESSIONS AND SHALL BE 2 INCHES BELOW ADJACENT HARDSCAPE, INLETS OR UTILITY BOX COLLARS. RELATIVE DENSITY OF THE TOPSOIL SHALL NOT EXCEED 85% COMPACTION.*
15. *OBTAIN THE APPROVAL OF THE OWNER'S REPRESENTATIVE TO BEGIN PLANTING OPERATIONS ONCE THE IRRIGATION SYSTEM IS OPERATIONAL AND THE SOIL CONDITIONING AND FINISH GRADING IS COMPLETED.*
16. *AFTER PLANTING IS COMPLETED AND JUST PRIOR TO MULCH INSTALLATION, APPLY A BROAD SPECTRUM PRE-EMERGENT HERBICIDE TO ALL NON-TURFGRASS PLANTING AREAS PER THE MANUFACTURER'S SPECIFICATIONS.*
17. *WHERE MULCH IS TO BE INSTALLED IN AN EXISTING PLANTING AREA, BREAKUP/TILL THE EXISTING SOIL TO A MINIMUM 6 INCH DEPTH PER SPECS, AND ADJUST FINISH GRADE ADJACENT TO HARDSCAPE AND DRAINAGE ELEMENTS TO PROVIDE A 2 INCH DEPTH THAT TRANSITIONS TO THE EXISTING GRADE OVER 1 TO 2 FEET.*
18. *INSTALL A MINIMUM 3 INCH DEPTH OF CHIPPED WALK-ON WOOD MULCH IN ALL PLANTING AREAS AND TREE WATERING BASINS EXCEPT FOR TURFGRASS AREAS, SLOPES 3H:1V OR GREATER, AREAS TO RECEIVE SEED PLANTING, OR AS NOTED ON THE PLAN. AREAS PLANTED WITH FLATS SHALL HAVE A MINIMUM MULCH DEPTH OF 2 INCHES. INSTALL A MINIMUM 3 FOOT RADIUS OF 3 INCH DEEP WOOD MULCH AT THE BASE OF ALL TREES IN NEW TURFGRASS AREAS.*
19. *ALL EXISTING PLANTS AND/OR TURFGRASS SHOWN TO REMAIN AND DAMAGED OR REMOVED BY CONSTRUCTION OPERATIONS AND/OR UTILITY/IRRIGATION/DRAINAGE LINES SHALL BE REPLACED WITH PLANTS THAT MATCH AS CLOSELY AS POSSIBLE TO THE EXISTING PLANT SPECIES, VARIETY AND SIZE. THE REPLACEMENT TURFGRASS SOD VARIETY SHALL BE THE SAME AS SHOWN IN THE PLANTING LEGEND AS IF FOR NEW WORK, OR SHALL MATCH THE EXISTING TURFGRASS VARIETY WHERE EXISTING. TILL SOIL CONDITIONING MATERIALS INTO THE TOP 6 INCHES OF THE SOIL OVER THE AREA OF REPAIR/REPLACEMENT AS IF FOR NEW WORK. ADJUST FINISH GRADE SO NEW TURFGRASS SOD ABUTS FLUSH TO EXISTING SOD GRADE. THE REPLACEMENT PLANTS AND/OR TURFGRASS SOD SHALL BE MAINTAINED AS PART OF THE ORIGINAL SCOPE OF WORK. THE REPAIR OR REPLACEMENT WORK SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE.*
20. *CONTRACTOR SHALL MAINTAIN THE NEW PLANTING FOR HEALTHY AND VIGOROUS GROWTH, WHICH INCLUDES BUT IS NOT LIMITED TO WATERING, WEEDING, FERTILIZING, MOWING AND EDGING (AT LEAST ONCE A WEEK), REMOVING TRASH AND DEBRIS, AND OTHER RELATED ACTIVITIES THROUGHOUT THE DURATION OF THE MAINTENANCE PERIOD UNTIL FINAL ACCEPTANCE.*

Know what's below. Call before you dig.

DSA File No.: 10-89

DSA Application No.: 02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

General Notes

Blair, Church & Flynn CONSULTING ENGINEERS

Blair, Church & Flynn Consulting Engineers
451 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

Consultant

Mendota Elementary School - Classroom Additions
Mendota Unified School District
605 Bass Avenue, Mendota CA 93640

Project

PLANTING DETAILS

Drawing

darden architects
ARCHITECTURE
PLANNING
INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

Architect

No.	Revision/Submission	Date

Revision

	Designed By: DZ	Copyright 2025 Darden Architects
Scale: AS NOTED	Drawn By: DZ	SD/L202
Project Number: 2277	Checked By: CMH	
Date: 4/22/2025	Reviewed By: DWB	Sheet: 02 of: 03

Drawing: P:\224-0173\Site\productiondrawings\224172_LA01.dwg; Planting Details - BCF.CTB
Plot by: dgoins Apr 22, 2025 - 5:45pm

DSA File No.:
10-89

DSA Application No.:
02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

KEYNOTES

1. EXISTING MAIN SWITCHBOARD "MSB".
2. EXISTING POWER CONDUITS, QUANTITY AND SIZES NOTED.
3. EXISTING POWER VAULT, SIZE NOTED.
4. POWER CONDUITS, QUANTITY AND SIZES NOTED. PULL NEW FEEDERS PER POWER SINGLE LINE DIAGRAM A10/X/E103.
5. POWER VAULT, SIZE NOTED. SEE M1/X/E102.
6. LOCATE EXISTING STUBBED CONDUITS AND BRING INTO NEW VAULT.
7. FUTURE TRANSFORMER "MBTB" AND PRIMARY DISCONNECT.
8. FUTURE FREESTANDING DISTRIBUTION BOARD "7DSB".
9. 12" THICK CONCRETE EQUIPMENT PAD, 9'-6" W x 6'-8" D. MAINTAIN EQUIPMENT WORKING CLEARANCES PER CEC 110.26.
10. STUB UP AT FUTURE BUILDING PANEL LOCATION.
11. STUB UP AT FUTURE NEMA 3R CABINET LOCATION.
21. EXISTING ELECTRONIC SYSTEMS HEAD END ROOM: DATA, TELEPHONE, PUBLIC ADDRESS, INSTRUSION, FIRE ALARM.
22. EXISTING ELECTRONIC SYSTEMS CONDUITS, QUANTITY AND SIZES NOTED.
23. EXISTING ELECTRONIC SYSTEMS VAULT, SIZE NOTED.
24. ELECTRONIC SYSTEMS CONDUITS, QUANTITY AND SIZES NOTED. PULL NEW CABLES PER K11/X/E102.
25. DIRECTIONAL BORE THIS RUN.
26. ELECTRONIC SYSTEMS VAULT, SIZE NOTED. SEE M1/X/E102.
27. STUB UP CONDUITS AT FUTURE PLYWOOD BACKBOARD LOCATION TO 8" AFF WITH SCHEDULE 80 PVC CONDUITS.

Hardin-Davidson Engineering
356 Pollasky Ave., Suite 200, Clovis, CA 93612
559.323.4995 • www.hardin-davidson.com

REGISTERED PROFESSIONAL ENGINEER — C. SCOTT DAVIDSON — E17850 — ELECTRICAL — STATE OF CALIFORNIA

Consultant

Mendota Elementary School - Inc. No. 01: Sitework for Modular Classroom Buildings
Mendota Unified School District
605 Bass Ave, Mendota CA 93640

Project

SITE DEVELOPMENT
SITE OVERALL ELECTRICAL PLAN

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT — GRANT E. DODSON — No. C-20,307 — Ren. 6-30-25 — STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: SD	
Scale: As indicated	Drawn By: EN	SD/E101
Project Number: 2277	Checked By: SD	
Date: 1/8/2025	Reviewed By: SD	Sheet: ____ of: ____

A1 Site Overall Electrical Plan
1" = 30'-0"

1/8/2025 4:36:31 PM
Z:\Clients\Darden Architects\24059 - Mendota ES Modular Classroom Buildings\CAD Files\24059 - Electrical Inc 1 DSA Submittal.dwg

A1 Site Electrical Plan

1" = 10'-0"

DSA File No.:
10-89

DSA Application No.:
02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

KEYNOTES

1. EXISTING MAIN SWITCHBOARD "MSB".
2. EXISTING POWER CONDUITS, QUANTITY AND SIZES NOTED.
3. EXISTING POWER VAULT, SIZE NOTED.
4. POWER CONDUITS, QUANTITY AND SIZES NOTED. PULL NEW FEEDERS PER POWER SINGLE LINE DIAGRAM A10/X/E103.
5. POWER VAULT, SIZE NOTED. SEE M1/X/E102.
6. LOCATE EXISTING STUBBED CONDUITS AND BRING INTO NEW VAULT.
7. FUTURE TRANSFORMER "MBTB" AND PRIMARY DISCONNECT.
8. FUTURE FREESTANDING DISTRIBUTION BOARD "7DSB".
9. 12" THICK CONCRETE EQUIPMENT PAD, 9'-6" W x 6'-8" D. MAINTAIN EQUIPMENT WORKING CLEARANCES PER CEC 110.26.
10. STUB UP AT FUTURE BUILDING PANEL LOCATION.
11. STUB UP AT FUTURE NEMA 3R CABINET LOCATION.
21. EXISTING ELECTRONIC SYSTEMS HEAD END ROOM: DATA, TELEPHONE, PUBLIC ADDRESS, INSTRUSION, FIRE ALARM.
22. EXISTING ELECTRONIC SYSTEMS CONDUITS, QUANTITY AND SIZES NOTED.
23. EXISTING ELECTRONIC SYSTEMS VAULT, SIZE NOTED.
24. ELECTRONIC SYSTEMS CONDUITS, QUANTITY AND SIZES NOTED. PULL NEW CABLES PER K11/X/E102.
25. DIRECTIONAL BORE THIS RUN.
26. ELECTRONIC SYSTEMS VAULT, SIZE NOTED. SEE M1/X/E102.
27. STUB UP CONDUITS AT FUTURE PLYWOOD BACKBOARD LOCATION TO 8" AFF WITH SCHEDULE 80 PVC CONDUITS.

Hardin-Davidson Engineering
356 Pollasky Ave., Suite 200, Clovis, CA 93612
559.323.4995 • www.hardin-davidson.com

REGISTERED PROFESSIONAL ENGINEER C. SCOTT DAVIDSON E17850 ELECTRICAL STATE OF CALIFORNIA

Consultant

Mendota Elementary School - Inc. No. 01: Sitework for Modular Classroom Buildings
Mendota Unified School District
605 Bass Ave, Mendota CA 93640

Project

SITE DEVELOPMENT
SITE ELECTRICAL PLAN

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT GRANT E. DODSON No. C-20,307 Ren. 6-30-25 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: SD	
Scale: As indicated	Drawn By: EN	SD/E102
Project Number: 2277	Checked By: SD	
Date: 1/8/2025	Reviewed By: SD	Sheet: ____ of: ____

1/8/2025 4:36:32 PM
Z:\Clients\Darden Architects\24059 - Mendota ES Modular Classroom Buildings\CAD Files\24059 - Electrical Inc 1 DSA Submittal.dwg

ELECTRICAL GENERAL NOTES

1. ALL WORK SHALL MEET THE LATEST ADOPTED ADDITIONS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 AND ALL OTHER APPLICABLE REGULATIONS, WHICH INCLUDE:

CALIFORNIA BUILDING CODE	2022
CALIFORNIA ELECTRICAL CODE	2022
NON RESIDENTIAL CEC ENERGY STANDARDS	2022

2. NOTHING IN THE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
3. IT IS THE INTENTION OF THESE PLANS AND SPECIFICATIONS TO COVER EVERYTHING REQUIRED TO PROVIDE FOR COMPLETE AND OPERATIVE SYSTEMS. THE CONTRACTOR IS TO FURNISH LABOR, MATERIAL, TRANSPORTATION, EQUIPMENT, MISCELLANEOUS SERVICES, ETC. REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE REASONABLY CONSTRUED AS A NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER OR NOT SPECIFICALLY SHOWN OR MENTIONED.
4. THE CONTRACTOR SHALL EXAMINE THE SITE AND EXISTING CONDITIONS AND MAKE ALLOWANCES IN THE BID FOR ANY CONDITIONS NOT SHOWN ON THE ELECTRICAL DOCUMENTS.
5. THE PLANS AND SPECIFICATIONS ARE INTENDED TO BE USED AS CONSTRUCTION GUIDELINES AND ARE NOT THE TOTAL INSTRUMENT OF CONTRACT DOCUMENTS. IT IS NOT THE INTENTION OF ANY CONSTRUCTION PLANS TO DIVIDE WORK AMONG DIFFERENT TRADES. VERIFY THE SCOPE OF WORK WITH THE ARCHITECT AND THE GENERAL CONTRACTOR.
6. ELECTRICAL ROUTING IS DIAGRAMMATIC ONLY. ACTUAL ROUTING & PHYSICAL CONDITIONS MAY VARY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL ROUTING, CONNECTIONS, & PROVISION OF ALL APPURTENANCES NECESSARY FOR A COMPLETE & OPERATING SYSTEM.
7. ELECTRICAL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED (UL, CSA ETC.) PER CEC 110.2.
8. PROVIDE LABELING AND DIRECTORIES FOR ALL SWITCHBOARDS AND PANELBOARDS PER CEC 408.4.
9. ELECTRICAL EQUIPMENT SHALL HAVE A SHORT CIRCUIT CURRENT RATING CAPABLE OF WITHSTANDING THE AVAILABLE SHORT CIRCUIT CURRENT PER CEC 110.9.
10. PROVIDE MINIMUM 30" WIDE x 78" HIGH x 36" DEEP [42" DEEP] WORK CLEARANCES IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT 120/208V 3Ø 4W [277/480V 3Ø 4W] PER CEC 110.26.
11. ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUIT OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE MOUNTED BETWEEN 15" AFF AND 48" AFF AND SHALL COMPLY WITH CBC SECTION 11B-308. THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. IF THE REACH IS OBSTRUCTED (E.G. BY CASEWORK, COUNTERS, ETC.), RECEPTACLES SHALL BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN CBC 11B-308.2.2 AND 11B-308.3.2.
12. CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING AND VENTILATING EQUIPMENT SHALL BE MOUNTED BETWEEN 15" AFF AND 48" AFF AND SHALL COMPLY WITH CBC SECTION 11B-308. THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. IF THE REACH IS OBSTRUCTED (E.G. BY CASEWORK, COUNTERS, ETC.), SWITCHES AND CONTROLS SHALL BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN CBC 11B-308.2.2 AND 11B-308.3.2.
13. ALL WALL AND SURFACE MOUNTED FIXTURES PROTRUDING IN THE PATH OF TRAVEL (POT) OR COMMON PEDESTRIAN WAYS SHALL COMPLY WITH CBC 11B-307.2, OR SHALL BE MOUNTED LESS THAN 27" AFF OR GREATER THAN 80" AFF, OR SHALL BE PROVIDED WITH A BARRIER CONFORMING TO CBC 11B-307.4.
14. EMERGENCY EGRESS LIGHTING SHALL PROVIDE A MINIMUM LUMINANCE OF 1 FOOTCANDLE AT THE WALKING SURFACE FOR A MINIMUM OF 90 MINUTES.
15. FIRE ALARM EQUIPMENT SHALL BE SERVED BY DEDICATED FIRE ALARM BRANCH CIRCUITS PER NFPA 72 10.6.5.1.2. THE CIRCUIT NUMBER SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM EQUIPMENT PER NFPA 10.6.5.2.1. THE CIRCUIT BREAKER SHALL BE EQUIPPED WITH RED HANDLE AND LOCK-ON DEVICE, AND PERMANENTLY IDENTIFIED AS "FIRE ALARM CIRCUIT" PER NFPA 72 10.6.5.2.2, 10.6.5.2.3, 10.6.5.2.4, AND 10.6.5.4.
16. WIRING FOR 120/208V AND 277/480V SYSTEMS SHALL BE MIN. #12 AWG THHN/THWN COPPER.
17. FEEDERS SIZE #4 AND LARGER SHALL BE MEGGER TESTED. TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER.
18. COLORS/FINISHES/MATERIALS FOR ALL ELECTRICAL DEVICES, PLATES, LIGHT FIXTURES, ETC. SHALL BE CHOSEN BY THE ARCHITECT.
19. PROVIDE PERMANENT LOCK-OPEN DEVICES ON CIRCUIT BREAKERS SERVING ELECTRIC WATER HEATERS TO MEET THE REQUIREMENTS OF CEC 422.31.
20. CONTRACTOR SHALL EXTEND ALL SIGNAL AND FIRE ALARM SYSTEMS AS REQUIRED. MODIFY HEAD-IN EQUIPMENT TO ACCOMMODATE NEW DEVICES AS REQUIRED. VERIFY THE CONDITION AND EXPANDABILITY OF ALL HEAD-IN EQUIPMENT PRIOR TO BID AND MODIFY ACCORDINGLY.
21. CALL USA UNDERGROUND ALERT AND VERIFY WITH DISTRICT THE DESIRED ROUTING AND LOCATIONS OF UNDERGROUND CONDUITS AND STRUCTURES PRIOR TO TRENCHING.
22. EXISTING EQUIPMENT TO BE REMOVED AND/OR REPLACED SHALL BE DELIVERED TO THE DISTRICT MAINTENANCE DEPARTMENT OR DISPOSED OF, AT THE DISCRETION OF THE DISTRICT.
23. ALL CONDUITS UNDER CONCRETE OR ASPHALT WILL HAVE 24" MINIMUM COVER OF ROCK FREE NATIVE SOIL, METALLIC WARNING TAPE AT 12", AND NO ENCASEMENT REQUIRED. ALL CONDUITS THAT HAVE CONDUCTORS WITH A POTENTIAL OF 250 VOLT TO GROUND OR GREATER, THAT ARE NOT UNDER ASPHALT AND/OR CONCRETE SHALL REQUIRE 1,500 PSI CONCRETE ENCASEMENT, METALLIC WARNING TAPE AT 12", AND A MINIMUM COVER FROM TOP OF ENCASEMENT OF 24". ALL CONDUITS THAT HAVE CONDUCTORS WITH A POTENTIAL OF LESS THAN 250 VOLTS TO GROUND, THAT ARE NOT UNDER ASPHALT AND/OR CONCRETE WILL HAVE 30" MINIMUM COVER OF NATIVE SOIL, METALLIC WARNING TAPE AT 12" AND NO ENCASEMENT REQUIRED.
24. INSTALL GALVANIZED RIGID STEEL RISERS & ELBOWS WHERE THEY OCCUR. WRAP GALVANIZED RIGID STEEL BELOW GRADE. PVC SHALL NOT BE INSTALLED ABOVE GRADE.
25. CONDUIT INSTALLED ABOVE GRADE SHALL BE MIN. 3/4" TRADE SIZE. CONDUIT BELOW GRADE SHALL BE MIN. 1" TRADE SIZE.
26. PROVIDE (4) 1" CONDUIT STUBS FROM NEW ELECTRICAL PANEL TO ACCESSIBLE ATTIC SPACE FOR FUTURE USE.
27. CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL HAVE A RED HANDLE AND LOCK-ON DEVICE.
28. HOLES ARE NOT ALLOWED THROUGH TOP PLATES OF BEARING WALLS AND SHEAR WALLS.
29. INCLUDE FIRE STOP SYSTEMS REQUIRED FOR ALL WORK AFFECTED BY FIRE RATED ASSEMBLIES.
30. INCLUDE ALL WORK REQUIRED TO INVESTIGATE, DEMOLISH, & RECONNECT EXISTING ITEMS.

ELECTRICAL SYMBOL SCHEDULE

SYMBOL	DESCRIPTION	NOTES
	POLE WITH POST TOP AREA LUMINAIRE	
	POLE WITH SINGLE AREA LUMINAIRE	
	POLE WITH DOUBLE AREA LUMINAIRES	
	LAY-IN LIGHT FIXTURE	
	FIXTURE ON EMERGENCY POWER	PROVIDE UNSWITCHED HOT CONDUCTOR
	SURFACE CEILING LIGHT	
	RECESSED DOWN LIGHT	
	WALL LIGHT	
$	SWITCH AT +48" AFF TO TOP OF BOX	20A 277V QUIET TOGGLE
	WALL MOUNTED DUAL TECH OCCUPANCY SENSOR SWITCH, 0-10V DIMMING, AT +48" AFF TO TOP OF BOX	ROUGH IN WITH 1G BOX PER SWITCH W/ RING, 1"C. TO ACCESSIBLE ATTIC SPACE
	DIGITAL DIMMER SWITCH, AT +48" AFF TO TOP OF BOX	nLIGHT SYSTEM, ROUGH IN WITH 1G BOX & RING, 1"C. TO ACCESSIBLE ATTIC
	SWITCHBOARD	REFER TO POWER SINGLE LINE DIAGRAM
	POWER PANEL	REFER TO PANEL SCHEDULE
	TERMINAL CABINET	REFER TO DETAIL N5/X/E101
	JUNCTION BOX	4-11/16" SQUARE BOX & COVER PLATE MIN.
	DISCONNECT SWITCH, FUSIBLE	DISCONNECT FUSING TO BE PER NAMEPLATE DATA.
	COMBINATION STARTER/DISCONNECT SWITCH	REFER TO MECH. PLANS & SPECS.
	MOTOR	REFER TO MECH. PLANS & SPECS.
	DUPLEX CONVENIENCE OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #TDR20-W
	QUADPLEX CONVENIENCE OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #TDR20-W
	GFI DUPLEX OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #GFTR2-W
	WEATHERPROOF, GFI DUPLEX OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N. W/ WEATHERPROOF IN-USE, METAL, LOCKABLE TYPE COVER	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #GFTR2-W
	DATA OUTLET (RJ-45 CAT6) WITH 2 JACKS AT +18" AFF, U.O.N. (2) DATA JACKS, U.O.N.	MOUNT JACKS IN NON-METALLIC, SURFACE RACEWAY SYSTEM
	(2) DATA JACKS (RJ-45 CAT6A) FOR WIRELESS ACCESS POINT MOUNTED IN ATTIC SPACE	REFER TO DETAIL E11/X/E102
	WALL MOUNT TELEPHONE OUTLET (RJ-45 CAT6) AT +45" AFF, U.O.N. (1) DATA JACK, U.O.N.	MOUNT JACK IN NON-METALLIC, SURFACE RACEWAY SYSTEM. PROVIDE "T" TELEPHONE CABLE TO BUILDING T.C.
	PUBLIC ADDRESS SPEAKER TELECOR 8" SPEAKER AND SURFACE HOUSING	PROVIDE "P" SPEAKER CABLE TO BUILDING T.C.
WP	WP OUTDOOR IP PUBLIC ADDRESS SPEAKER, WALL MOUNTED, +120" U.O.N. LOWELL OUTDOOR SPEAKER AND VANDAL HOUSING	PROVIDE "P" SPEAKER CABLE TO BUILDING T.C.
	WIRELESS CLOCK, WALL MOUNTED SAPLING #SAL-4BS-12R-0 W/ (2) D-CELL BATTERIES	
MDF	"MAIN DISTRIBUTION FRAME"	EXISTING
IDF	"INTERMEDIATE DISTRIBUTION FRAME"	SEE STANDARD SPECIFICATIONS
PA	P.A. SYSTEM HEAD END	EXISTING
TEL	TEL. SYSTEM HEAD END	EXISTING
EMS	ENERGY MANAGEMENT SYSTEM PUNCH BLOCK	SEE STANDARD SPECIFICATIONS
PB	PUNCH BLOCK	SEE STANDARD SPECIFICATIONS
TB	TERMINAL BLOCK	SEE STANDARD SPECIFICATIONS
FCP	FIRE ALARM CONTROL PANEL	SEE FIRE ALARM PLANS
	WIREMOLD 5400 SURFACE WIREWAY	RISERS WHERE INDICATED ON DRAWINGS
	EXISTING CONDUIT/WIRING	
	WIRING IN CONDUIT, BELOW GRADE	1" CONDUIT MIN. TRENCH PER M6/X/E102.
	WIRING IN CONDUIT, IN WALL OR CEILING	3/4" CONDUIT MIN.; EMT CONCEALED AND ABV. 96" EXPOSED; GRS BELOWS 96" EXPOSED.
LV	LOW VOLTAGE WIRING IN ATTIC SPACE	TYPE PER EQUIPMENT MANUFACTURER
	CONDUIT RISER	3/4" CONDUIT MIN.
	FLEXIBLE CONDUIT	3/4" CONDUIT MIN.
	CONDUIT STUB AND CAP	3/4" CONDUIT MIN.
#10	HASH MARKS DENOTES QTY. OF CONDUCTORS WIRE SIZE INDICATED, IF OTHER THAN #12 AWG	3/4" CONDUIT MIN.
A-15	HOME RUN (TO PANEL "A", CIRCUIT "15")	3/4" CONDUIT MIN.
(E)	"EXISTING"	
(N)	"NEW"	
U.O.N.	"UNLESS OTHERWISE NOTED"	
WP	"WEATHERPROOF" / NEMA 3R	
GFI	"GROUND FAULT INTERRUPTER"	

DSA File No.:
10-89

DSA Application No.:
02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

MEP COMPONENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

MEP DISTRIBUTION SYSTEM BRACING NOTES FOR ELECTRICAL CONDUIT

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW AND SHALL BE IN ACCORDANCE WITH DSA IR 16-13. EACH SYSTEM SHALL BE DESIGNED BY A STRUCTURAL ENGINEER AND COORDINATED WITH THE STRUCTURAL BUILDING DESIGN.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☐ E ■ IR 16-13 SECTION 2.1: PROJECT-SPECIFIC DESIGN.

MP ☐ MD ☐ PP ☐ E ☐ IR 16-13 SECTION 2.2: DESIGN BASED ON OSHPD OPM, PART OF THE PROJECT SUBMITTAL.

MP ☐ MD ☐ PP ☐ E ☐ IR 16-13 SECTION 2.2.6: DESIGN BASED ON OSHPD OPM, DEFERRED APPROVAL.

Hardin-Davidson Engineering
356 Pollasky Ave., Suite 200, Clovis, CA 93612
559.323.4995 • www.hardin-davidson.com

REGISTERED PROFESSIONAL ENGINEER
C. SCOTT DAVIDSON
E17850
ELECTRICAL
STATE OF CALIFORNIA

Consultant

Mendota Elementary School - Inc. No. 01: Sitework for Modular Classroom Buildings
Mendota Unified School District
605 Bass Ave, Mendota CA 93640
Project

TYPICAL INFORMATION
ELECTRICAL SYSTEMS - SYMBOLS, NOTES, AND DETAILS
Drawing

darden architects
ARCHITECTURE
PLANNING
INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

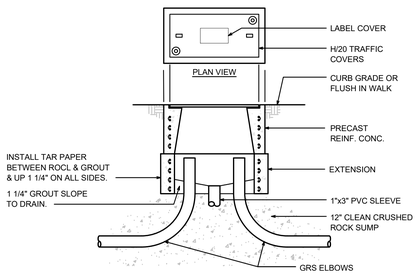
LICENSED ARCHITECT
GRANT E. DODSON
No. C-20,307
Ren. 6-30-25
STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

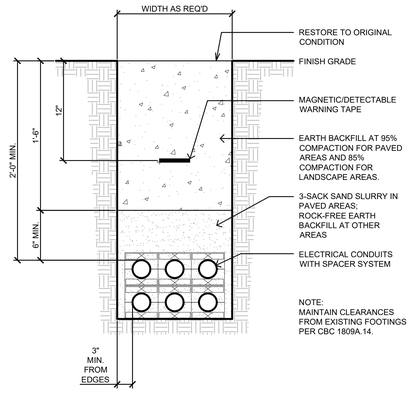
Revision

	Designed By: SD	
Scale: As indicated	Drawn By: EN	X/E101
Project Number: 2277	Checked By: SD	
Date: 1/8/2025	Reviewed By: SD	Sheet: ______ of: ______



M1 Pullbox Detail

No Scale



M6 Trench Detail

No Scale

DSA File No.:
10-89

DSA Application No.:
02-122955

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

Hardin-Davidson Engineering
356 Pollasky Ave., Suite 200, Clovis, CA 93612
559.323.4995 • www.hardin-davidson.com

REGISTERED PROFESSIONAL ENGINEER C. SCOTT DAVIDSON E17850 ELECTRICAL STATE OF CALIFORNIA

Consultant

Mendota Elementary School - Inc. No. 01: Sitework for Modular Classroom Buildings
Mendota Unified School District
605 Bass Ave, Mendota CA 93640

Project

TYPICAL INFORMATION
ELECTRICAL SYSTEMS - DETAILS AND DIAGRAMS

Drawing

darden architects
ARCHITECTURE
PLANNING
INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT GRANT E. DODDS No. C-20397 EXP. 8-30-25 STATE OF CALIFORNIA

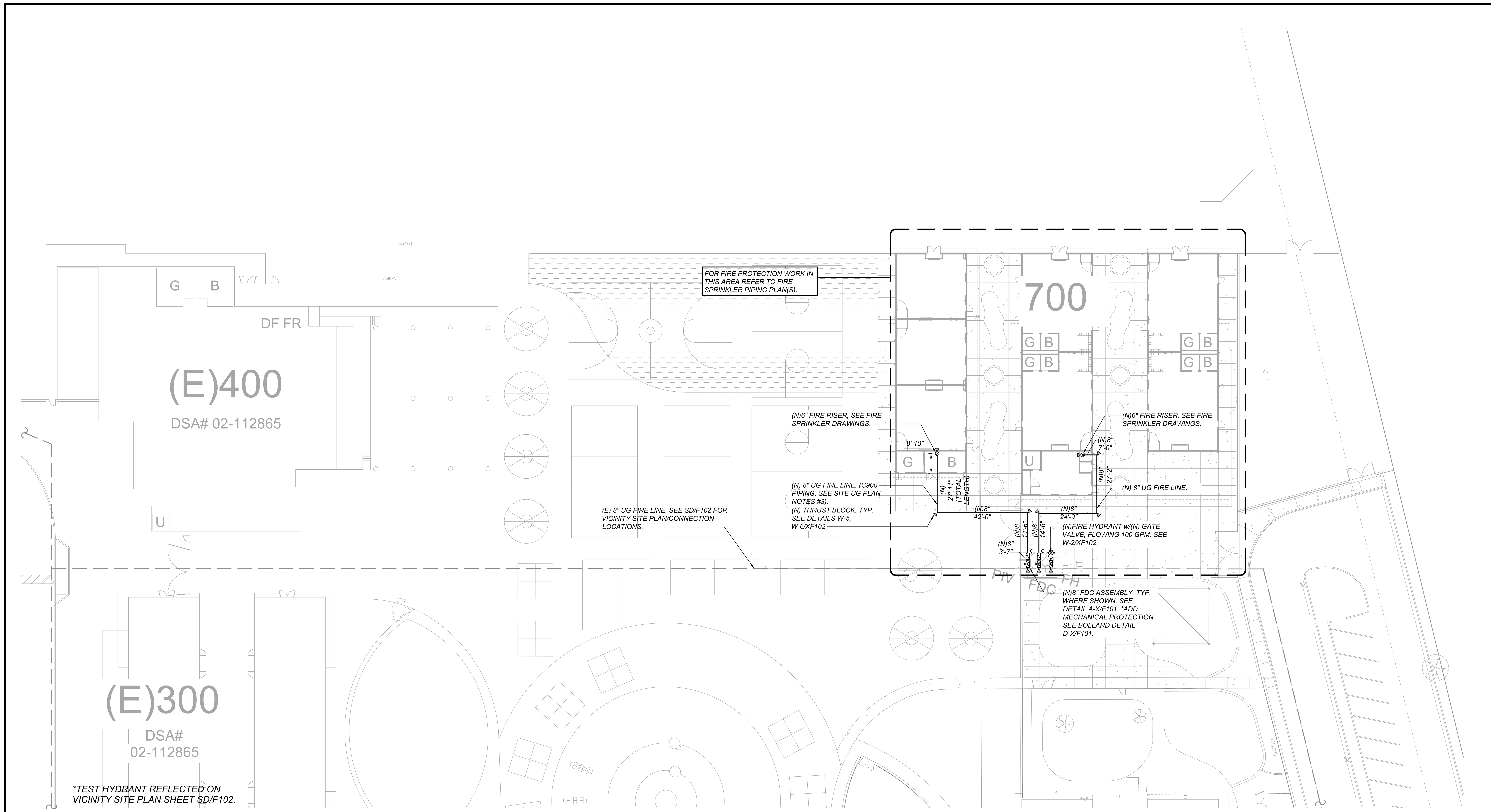
Architect

No.	Revision/Submission	Date

Revision

	Designed By: SD	
Scale: As indicated	Drawn By: EN	X/E102
Project Number: 2277	Checked By: SD	
Date: 1/8/2025	Reviewed By: SD	Sheet: _____ of: _____

1/8/2025 4:36:34 PM
Z:\Clients\Darden Architects\24059 - Mendota ES Modular Classroom Buildings\CAD Files\24059 - Electrical Inc 1 DSA Submittal.dwg



SOURCE INFO -	
TEST CONDUCTED BY	FRESNO COUNTY FIRE
STATIC PRESSURE	63
RESIDUAL PRESSURE	45
FLOW	1698 GPM @ 20 PSI
OUTSIDE HOSE FLOW	100

(0) HYDRAULIC NODE, TYP. FOR HYDRAULIC REFERENCE ONLY

IMPORTANT:

THE DEPICTED LAYOUT OF EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE APPROXIMATE AND DERIVED FROM AVAILABLE RECORD DATA ACCESSIBLE AT THE TIME OF DESIGN OF THESE. THE ACCURACY OR COMPREHENSIVENESS OF THESE DEPICTIONS IS NOT GUARANTEED, AS FIELD VERIFICATION OF THE LOCATIONS MAY NOT HAVE BEEN CONDUCTED.

CONTRACTORS PERFORMING ANY SITEWORK SHALL CALL '811' AT LEAST TWO WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES.

THE CONTRACTOR IS ACCOUNTABLE FOR IDENTIFYING THE PRESENCE AND POSITIONING OF UTILITIES ILLUSTRATED ON THESE PLANS OR INDICATED IN THE FIELD THROUGH LOCATION SERVICES. ANY EXPENSE OVERAGES RESULTING FROM THE CONTRACTOR'S OVERSIGHT IN CONFIRMING THE LOCATIONS OF EXISTING UTILITIES BEFORE COMMENCING CONSTRUCTION NEARBY SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

CALL 811 BEFORE YOU DIG.

..\8 XREF\CALL-811-usanorth1.png

https://www.usanorth811.org/

**ALL 90'S & 45 ELBOWS TO HAVE THRUST BLOCKS, TYPICAL. DUE TO GRAPHICAL REPRESENTATION CLARITY, NOT ALL THRUST BLOCKS SHOWN.*

**NOT ALL PIPE FOOTAGES SHOWN ON PLAN DUE TO GRAPHICAL SPACE & LIMITATIONS.*

SITE UNDERGROUND PLAN NOTES

1. ALL UG PIPE LENGTHS INDICATED ON PLANS, REFLECT TOTAL PIPE LENGTH (CENTER TO CENTER) WITH NO TAKE-OUT FOR FITTINGS.
2. ALL UG PVC, C-900, SHALL BE EQUIPPED WITH A SUITABLE MAGNETIC LOCATION TAPE INSTALLED APPROPRIATELY TO THE TOP OF THE PIPING.
   A.) UG FIRE PIPING INSTALLATION CONTRACTOR SHALL COORDINATE WITH CIVIL, MECHANICAL, PLUMBING AND LANDSCAPE PIPING PLANS PRIOR TO INSTALLATION; TYPICAL.
3. UNDERGROUND PIPING: POLYVINYL CHLORIDE, FM CLASS 200, DR 14, AWWA C900, WITH RUBBER RING JOINTS, ASTM D1869. CAST OR DUCTILE IRON FITTINGS, AWWA C110 OR C153, CLASS 250 OR HIGHER, WITH RUBBER RING JOINTS, ASTM D1869. INSTALLATION SHALL COMPLY WITH 2022 NFPA 24 WITH CALIFORNIA AMENDMENTS.
4. ALL FIRE UNDERGROUND SPRINKLER PIPING TO MAINTAIN A MINIMUM DISTANCE OF 1'-0" OR 12" FROM ALL BUILDING FOOTINGS.
5. THE DEPTH OF COVER FOR PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES TO PROTECT AGAINST MECHANICAL DAMAGE SHALL BE IN ACCORDANCE WITH NFPA 13 (2022) 6.4.2.2.

N

A1 FIRE PROTECTION SITE PLAN
1" = 20'-0"

DSA File No.:
DSA File

DSA Application No.:
DSA App

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

General Notes

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101, Fresno, CA 93727
(559) 431-0101 FAX (559) 431-1362
24103

REGISTERED PROFESSIONAL ENGINEER · RYAN W. CARLSON · No. M34846 · Exp. 6-30-26 · MECHANICAL · STATE OF CALIFORNIA

Consultant

Mendota Elementary School - Modular Classroom Additions
Mendota Unified School District
605 Bass Ave, Mendota CA 93640

Project

FIRE PROTECTION SITE PLAN

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

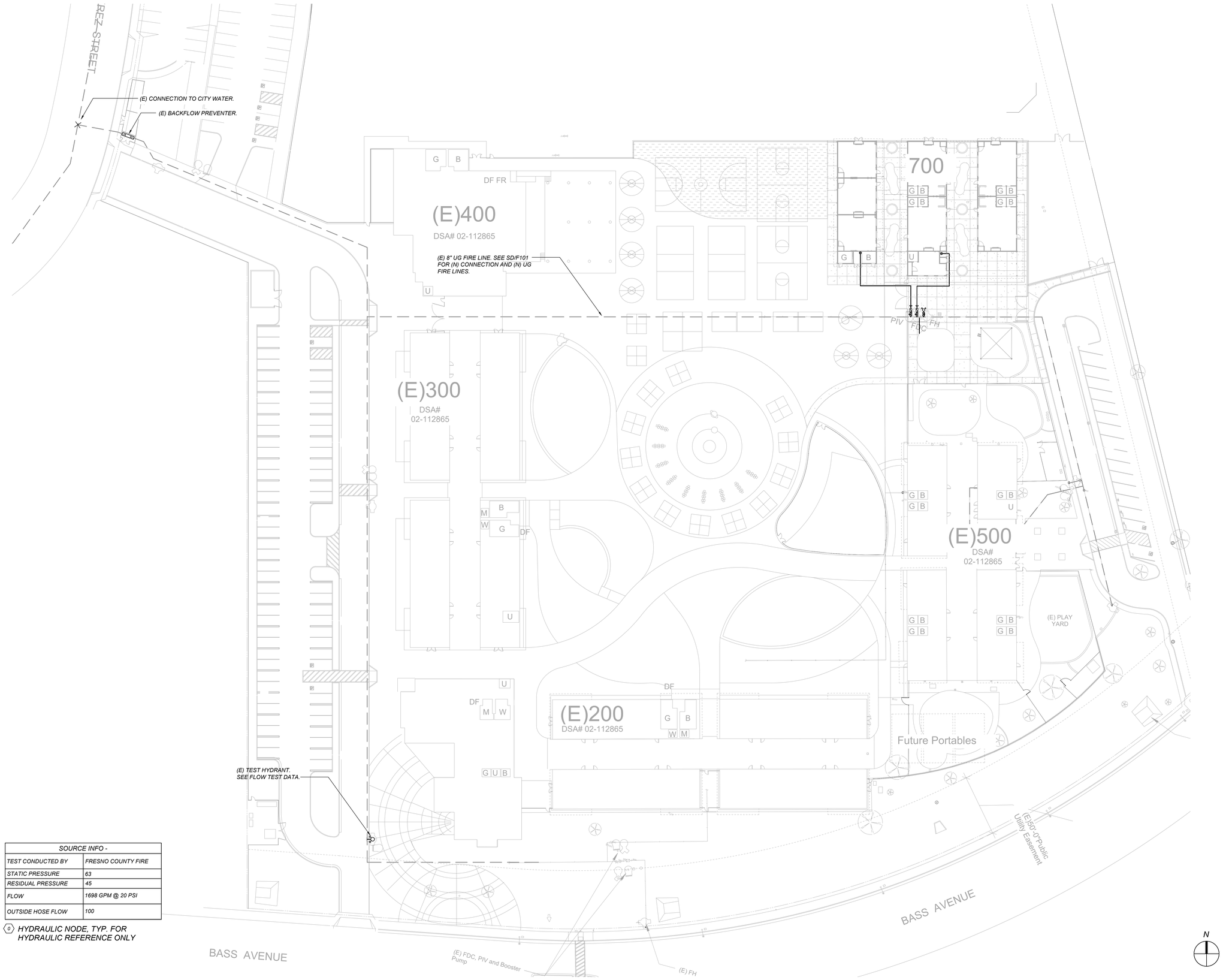
LICENSED ARCHITECT · GRANT E. DODSON · No. C-20,307 · Ren. 6-30-25 · STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: BJL	
Scale: 1" = 20'-0"	Drawn By: LEG	SD/F101
Project Number: 2277	Checked By: BJL	
Date: 08/23/24	Reviewed By: R.C.	



SOURCE INFO -	
TEST CONDUCTED BY	FRESNO COUNTY FIRE
STATIC PRESSURE	63
RESIDUAL PRESSURE	45
FLOW	1698 GPM @ 20 PSI
OUTSIDE HOSE FLOW	100

0 HYDRAULIC NODE, TYP. FOR HYDRAULIC REFERENCE ONLY

A1
1" = 30'-0"
FIRE PROTECTION VICINITY SITE PLAN

DSA File No.:
DSA File

DSA Application No.:
DSA App

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

General Notes

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101 (559) 431-0101
24103
Fresno, CA 93727 FAX (559) 431-1362
REGISTERED PROFESSIONAL ENGINEER BRIAN W. CARLSON No. M34846 Exp. 6-30-26 MECHANICAL STATE OF CALIFORNIA

Consultant

Mendota Elementary School - Modular Classroom Additions
Mendota Unified School District
605 Bass Ave, Mendota CA 93640

Project

FIRE PROTECTION VICINITY SITE PLAN

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051
LICENSED ARCHITECT BRENT E. DARDEN No. 6-30-25 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

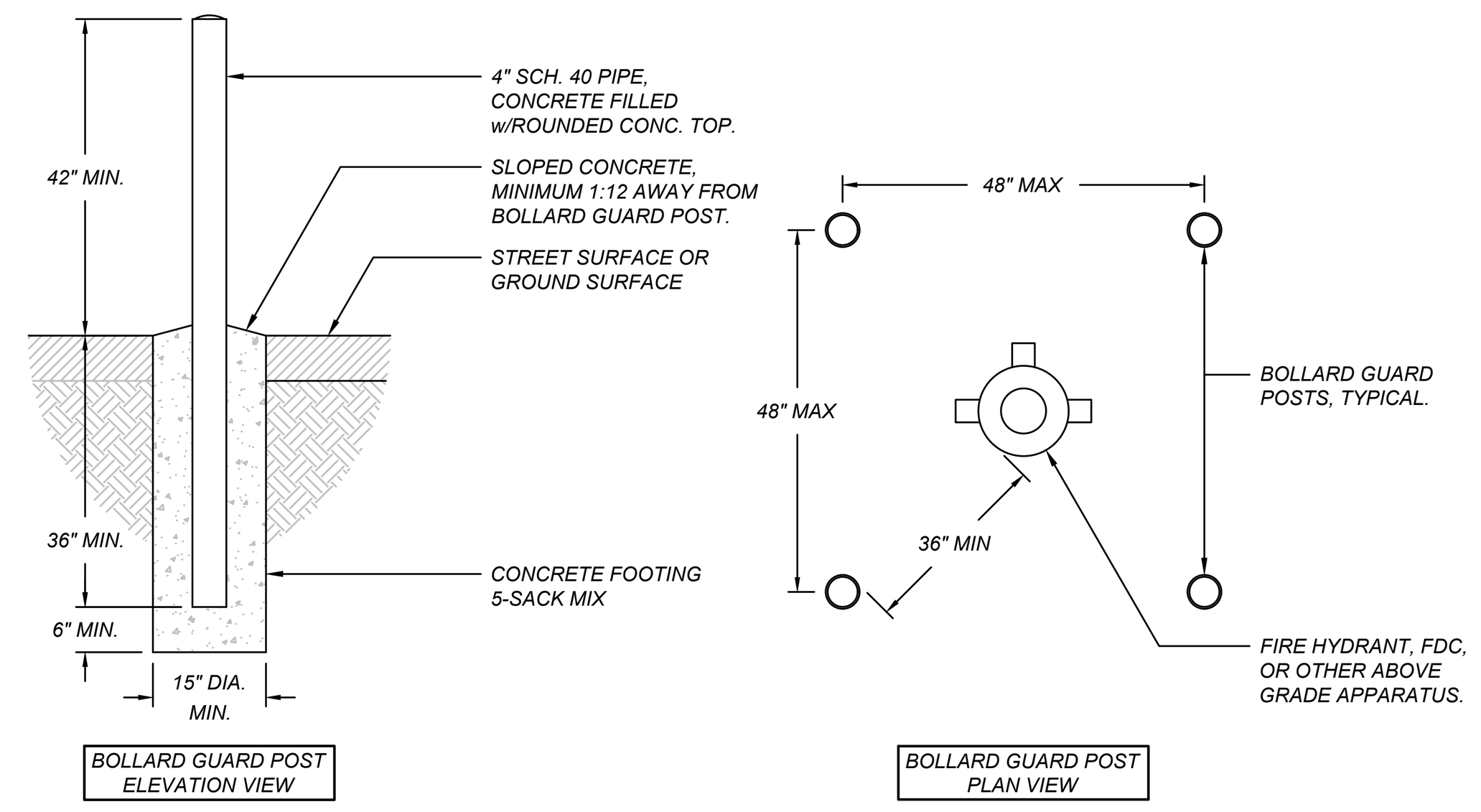
Revision

Designed By: BJL
Drawn By: LEG
Checked By: BJL
Reviewed By: R.C.

Scale: 1" = 20'-0"
Project Number: 2277
Date: 08/23/24

SD/F102

8 April 2025 2:41 PM P:\2024\24103 Mendota Elementary School Modular Classroom Buildings\4-Drawings\6 FA\SDF102 – FIRE PROTECTION VICINITY SITE PLAN.dwg benjamin



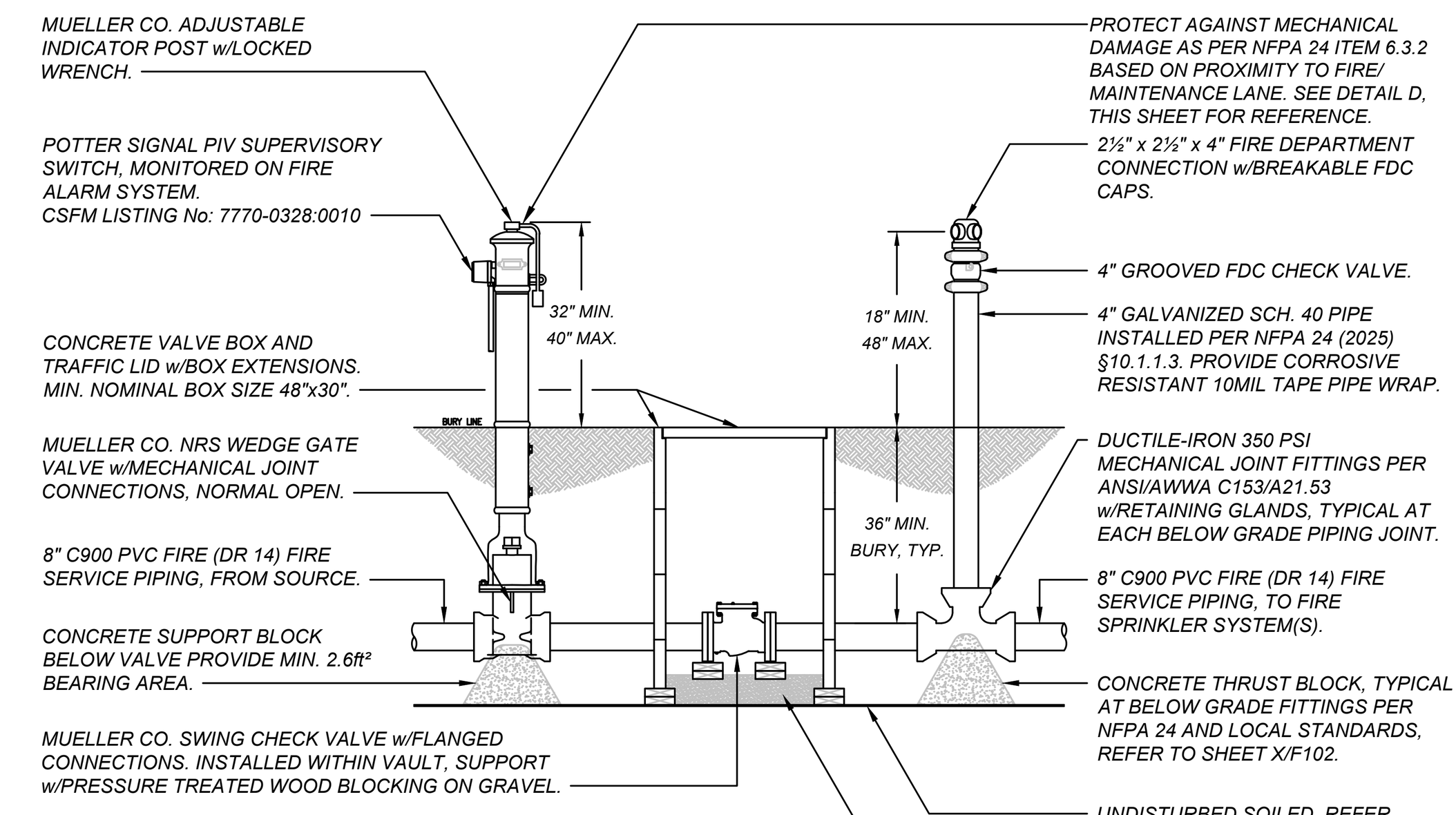
INSTALLATION NOTES:

A. BOLLARD GUARD POSTS SHALL BE INSTALLED IN ACCORDANCE TO CFC 2022 §312.2. GUARD POSTS SHALL BE CONSTRUCTED OF STEEL NOT LESS THAN 4-INCHES IN DIAMETER AND CONCRETE FILLED.
B. STEEL POSTS SHALL BE PAINTED WITH A CORROSIVE PROTECTIVE ENAMEL PAINT FINISH. COLOR SHALL BE SPECIFIED BY THE ARCHITECT.

PROTECTIVE BOLLARD DETAIL

D X/F101

SCALE: NONE



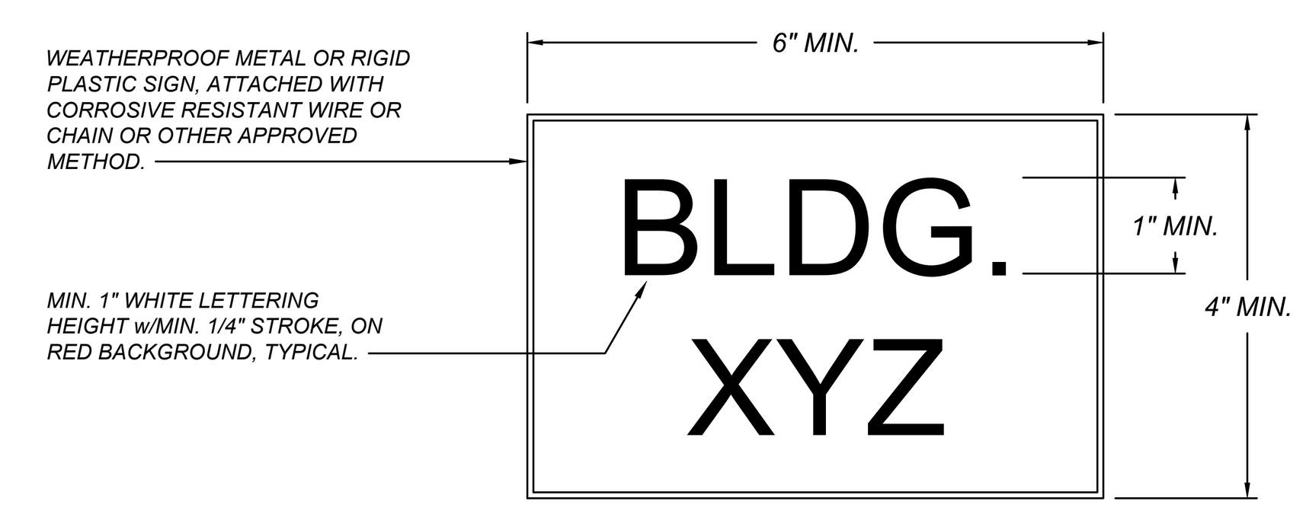
INSTALLATION NOTES:

1. PER CFC 2022 §912.4.3, WHERE FIRE DEPARTMENT CONNECTIONS ARE SUBJECT TO IMPACT BY A MOTOR VEHICLE, VEHICLE IMPACT PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 312. REFER TO SHEET X/F106.
2. PER NFPA 13 (2022) TABLE A.6.9 & CFC §912.5 SIGNAGE OF APPARATUS SHALL HAVE IDENTIFICATION SIGNAGE, REFER TO DETAIL B/XF-1.5.

POST INDICATOR - CHECK VALVE - FDC ASSEMBLY

A X/F101

SCALE: NONE



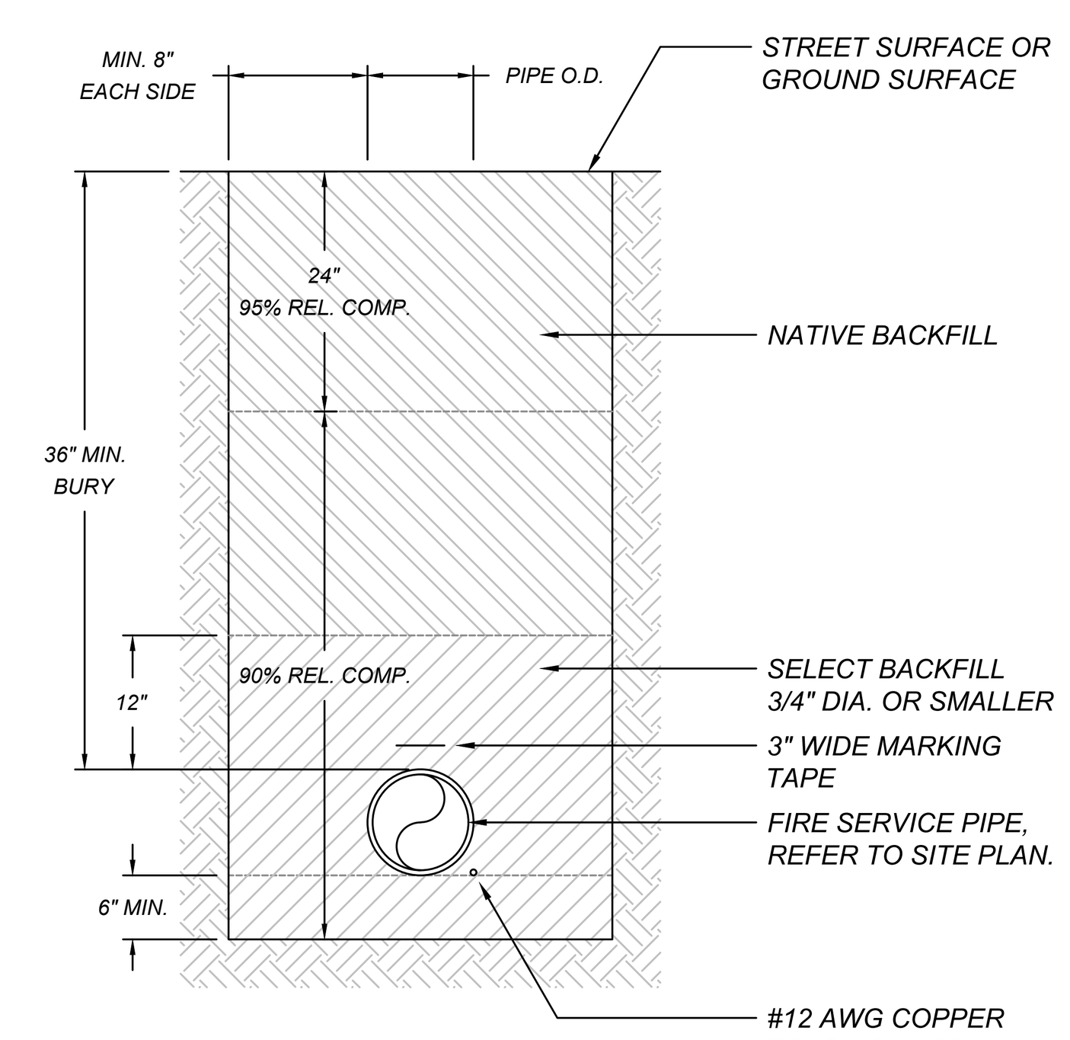
INSTALLATION NOTES:

A. PER NFPA 13 (2022) TABLE A.16.17 SPRINKLER SYSTEM SIGNAGE SUMMARY, SYSTEM CONTROL VALVES AND FIRE DEPARTMENT CONNECTIONS SHALL HAVE IDENTIFICATION SIGNAGE. IDENTIFICATION SIGNS SHALL BE INSTALLED AT A MINIMUM 18" ABOVE FINISH GRADE MEASURED FROM THE BOTTOM EDGE OF THE SIGN.
B. PER NFPA 13 (2022) §16.9.3.5 IDENTIFICATION SIGNS ON CONTROL VALVES SHALL BE PROVIDED AT EACH VALVE TO INDICATE ITS FUNCTION AND WHAT IT CONTROLS.
C. PER NFPA 13 (2022) §16.12.5.8 (CFC 2022 §912.5) EACH FIRE DEPARTMENT CONNECTION TO SPRINKLER SYSTEMS SHALL BE DESIGNATED BY A SIGN HAVING RAISED OR ENGRAVED LETTERS AT LEAST 1-INCH IN HEIGHT ON PLATE OR FITTING READING SERVICE DESIGN.
D. WHEN SYSTEM DEMANDS ARE GREATER THAN 150PSI, THE SIGN SHALL INDICATE THE PRESSURE REQUIRED AT THE INLETS TO DELIVER THE GREATEST SYSTEM DEMAND.
E. WHERE LOCAL JURISDICTION REQUIRES ADDRESS OR BUILDING IDENTIFICATION ON POST INDICATOR VALVES AND/OR FIRE DEPARTMENT CONNECTIONS, IDENTIFICATION MARKING CAN BE PAINTED DIRECTLY ON THE APPARATUS IN LIEU OF SIGNAGE. VERIFY REQUIREMENT WITH LOCAL JURISDICTION REGARDING MINIMUM LETTERING HEIGHT AND PAINT COLOR REQUIREMENTS.

SITE APPARATUS SIGNAGE

B X/F101

SCALE: NONE



INSTALLATION NOTES:

1. TRACER WIRE SHALL BE #12 AWG, SINGLE STRAND, SOFT DRAWN, UN-INSULATED COPPER WIRE. THERE SHALL BE LAID ALONG THE BOTTOM OF THE TRENCH ADJACENT TO THE PIPE. ALL TRACER WIRE SHALL BE CONTINUOUS VALVE BOXES.
2. TRACER WIRE SHALL BE INSULATED ADJACENT TO VALVES OR FITTINGS. SPLICING OF TRACER WIRES SHALL BE ACCOMPLISHED BY WRAPPING THE BARE ENDS OF THE WIRE TOGETHER, SOLDERING THE CONNECTION AND WRAPPING THE SOLDERED CONNECTION WITH ELECTRICAL TAPE.
3. MINIMUM COVER SHALL BE 36" FROM TOP OF PIPE TO FINISHED GRADE. MAXIMUM COVER SHALL BE 42" FROM FINISHED GRADE UNLESS OTHERWISE APPROVED.
4. PIPES SHALL BE THROUGHOUT THEIR FULL LENGTH AND SHALL NOT BE SUPPORTED BY THE BELL ENDS ONLY OR BY BLOCKS.
5. BACKFILL SHALL NOT BE DROPPED DIRECTLY ON THE PIPE. BACKFILL PLACED WITHIN 6-INCHES OF THE PIPE SHALL BE FREE FROM HEAVY GRAVEL OR STONES GREATER THAN 3-INCHES.
6. THE PIPE SHALL NOT BE DISPLACED FROM ALIGNMENT DURING THE BACKFILLLING OPERATION.
7. BACKFILL SHALL BE PLACED AT APPROXIMATELY THE SAME ELEVATION ON BOTH SIDES OF THE PIPE.
8. MATERIALS USED FOR BACKFILL AND COMPACTION SHALL CONFORM TO SOILS REPORT REQUIREMENTS.
9. THE DEPTH OF COVER FOR PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES TO PROTECT AGAINST MECHANICAL DAMAGE SHALL BE IN ACCORDANCE WITH NFPA 13 (2022) 6.4.2.2.

PIPE TRENCH DETAIL

C X/F101

SCALE: NONE

CONTRACTOR TO ENSURE ALL INSTALLATION TO BE PER NFPA 24 (2016) AND CITY OF MENDOTA PUBLIC WORKS REQUIREMENTS.

DSA File No.:
DSA File

DSA Application No.:
DSA App

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

General Notes

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101
(559) 431-0101
24103
Fresno, CA 93727
FAX (559) 431-1362

REGISTERED PROFESSIONAL ENGINEER
W. CARLSON
No. M34846
Exp. 6-30-26
MECHANICAL
STATE OF CALIFORNIA

Consultant

Mendota Elementary School - Modular Classroom Additions
Mendota Unified School District
605 Bass Ave, Mendota CA 93640

Project

FIRE PROTECTION UNDERGROUND DETAILS

Drawing

darden architects
ARCHITECTURE
PLANNING
INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT
GRANT E. DODSON
No. C-20,307
Ren. 6-30-25
STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: BJL	Copyright 2024 Darden Architects
Scale: N/A	Drawn By: LEG	*X/F101*
Project Number: 2277	Checked By: BJL	
Date: 08/23/24	Reviewed By: R.C.	

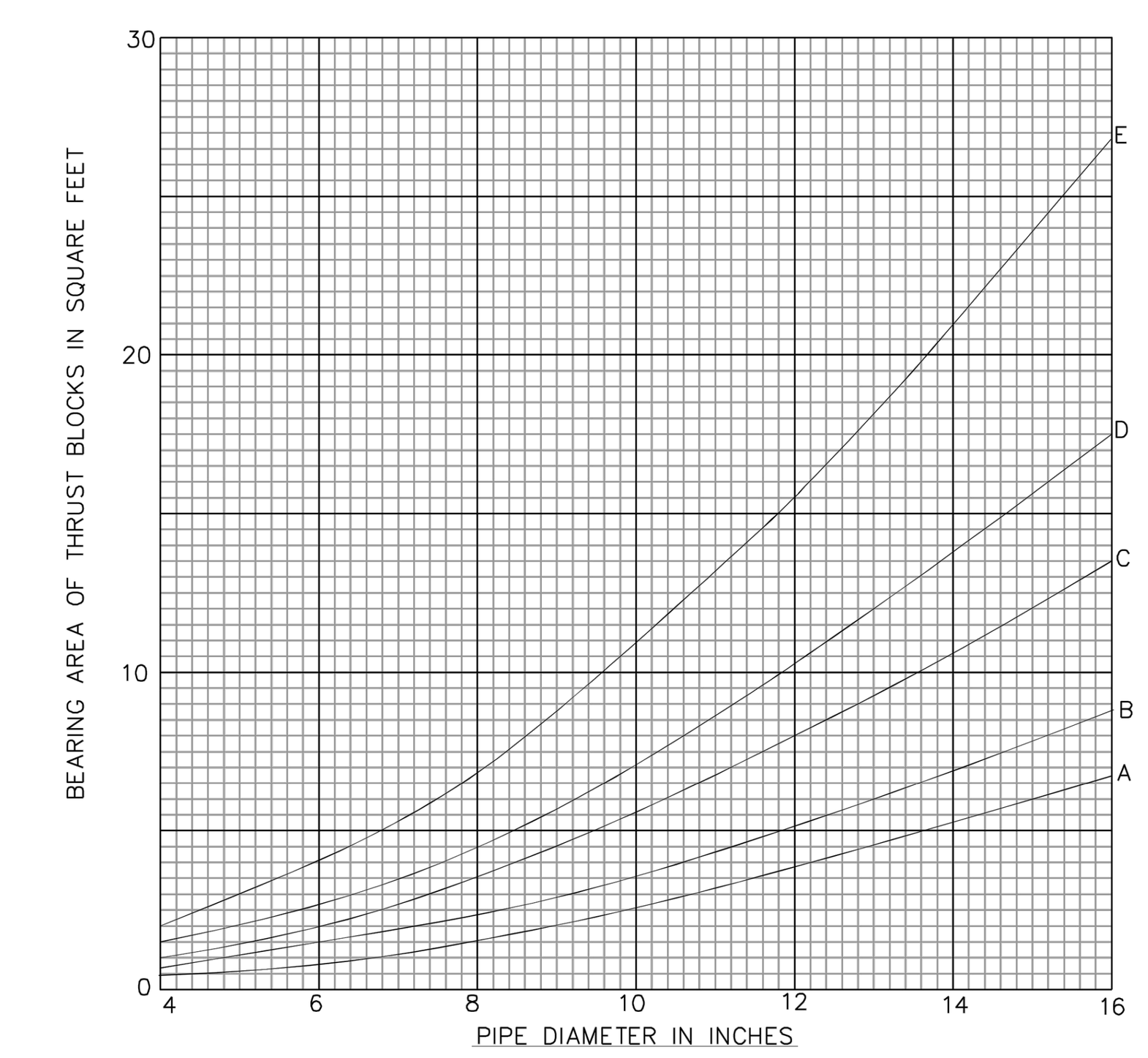
A1 FIRE PROTECTION UNDERGROUND DETAILS
N/A

8 April 2025 2:41 PM P:\2024\24103 Mendota Elementary School Modular Classroom Buildings\4-Drawings\6 F\XF101 - UG DETAILS.dwg benjamin

Water Main Installation and Connection Procedure

1. CONTRACTOR SHALL SECURE THE END OF ALL WATER MAIN PIPES BEING INSTALLED IN TRENCH EACH AND EVERY TIME THE WORK SITE IS LEFT UNATTENDED, i.e. LUNCH BREAKS, OVERNIGHT, ETC. ONLY WATER TIGHT PLUGS WILL BE ALLOWED.
2. ALL CHLORINATION DISINFECTION PROCEDURES SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF A.W.W.A. STANDARD, C-651, FOR DISINFECTING WATER MAINS.
3. ALL CONNECTIONS TO EXISTING CITY WATER MAINS, WHERE FEASIBLE, SHALL BE HOT TAP FITTINGS. GATE VALVE, TEMPORARY PLUMBING AND R.P. VALVE SHALL BE DISINFECTED BY SWABBING WITH 1% HYPOCHLORITE SOLUTION TO THE SATISFACTION OF THE CITY INSPECTOR PRIOR TO INSTALLATION. WHERE HOT TAP IS NOT POSSIBLE AS DETERMINED BY THE CITY INSPECTOR, ALL NECESSARY PRECAUTIONS, INCLUDING OVER EXCAVATION AND PUMPING, SHALL BE TAKEN TO PREVENT CONTAMINATION OF THE EXISTING MAIN. CONTRACTOR SHALL NOTIFY ALL AFFECTED WATER CUSTOMERS A MINIMUM OF 48 HOURS PRIOR TO DISRUPTION OF WATER SERVICE.
4. CONTRACTOR SHALL NOTIFY CITY ENGINEERING DIVISION 48 HOURS PRIOR TO COMMENCING INSTALLATION OF WATER MAIN.
5. CONTRACTOR SHALL USE APPROVED REDUCED PRESSURE PRINCIPAL (R.P.) BACKFLOW PREVENTER ASSEMBLY BETWEEN NEW WATER MAIN AND EXISTING CITY WATER MAIN. CITY INSPECTOR SHALL BE PRESENT DURING THE TIME OF CONNECTION. THE R.P. SHALL BE CHECKED, APPROVED BY AN A.W.W.A. CERTIFIED TESTER AND WRITTEN CERTIFICATION SUBMITTED TO THE CITY INSPECTOR AFTER INSTALLATION AND PRIOR TO ANY CONNECTION TO A NEWLY INSTALLED WATER MAIN.
6. CITY INSPECTOR SHALL TEST AFTER 24 HOURS TO VERIFY RESIDUAL OF 10 ppm MINIMUM CHLORINE.
7. AFTER 48 HOURS, IF CHLORINE RESIDUAL LEVEL IS APPROVED, CONTRACTOR SHALL FLUSH NEW MAIN THROUGH R.P. VALVE UNTIL CHLORINE RESIDUAL IS ZERO (0) AS TESTED AND VERIFIED BY THE CITY INSPECTOR. GATE VALVE SHALL THEN BE CLOSED TO MAINTAIN ISOLATION.
8. AFTER 48 HOURS OF ISOLATION, CITY WILL SAMPLE FOR BACTERIOLOGICAL ANALYSIS.
9. UPON APPROVAL OF BACTERIOLOGICAL TEST, CONTRACTOR SHALL REMOVE R.P. VALVE AND BLOW-OFF ASSEMBLY, THEN MAKE CONNECTION TO THE EXISTING WATER MAIN. CITY ENGINEERING DIVISION SHALL BE NOTIFIED 24 HOURS IN ADVANCE AND THE CITY INSPECTOR SHALL BE PRESENT DURING THE CONNECTION PROCEDURE.
10. CONTRACTOR SHALL PREVENT EXCESS WATER WHICH IS FLOWING FROM DISCONNECTED PIPES FROM COMING IN CONTACT WITH EXISTING AND NEW WATER MAIN BY OVER EXCAVATION OF CONNECTION SITE. WATER SHALL BE PUMPED OUT OF WORK AREA TO PREVENT CONTACT WITH AND INFILTRATION INTO THE WATER MAINS.
11. FINAL CONNECTION PIPING AND FITTINGS SHALL BE SWABBED WITH A 1% HYPOCHLORITE SOLUTION IN ACCORDANCE WITH PARAGRAPH 3 ABOVE.
12. THE CONTRACTOR SHALL SUBMIT A CONNECTION SEQUENCE AND PLAN INCLUDING LOCATION OF R.P. VALVE FOR APPROVAL BY THE CITY. IN THOSE CASES WHERE THE POINT OF CONNECTION AND/OR R.P. VALVE ARE LOCATED IN A TRAFFIC AREA, REMOTE LOCATION OF R.P. VALVE MAY BE SUBMITTED FOR APPROVAL.

REVISION DATE	CITY OF MENDOTA	Std. Dwg.
	WATER MAIN CONNECTION PROCEDURE	W-8 SHT. 2 OF 3

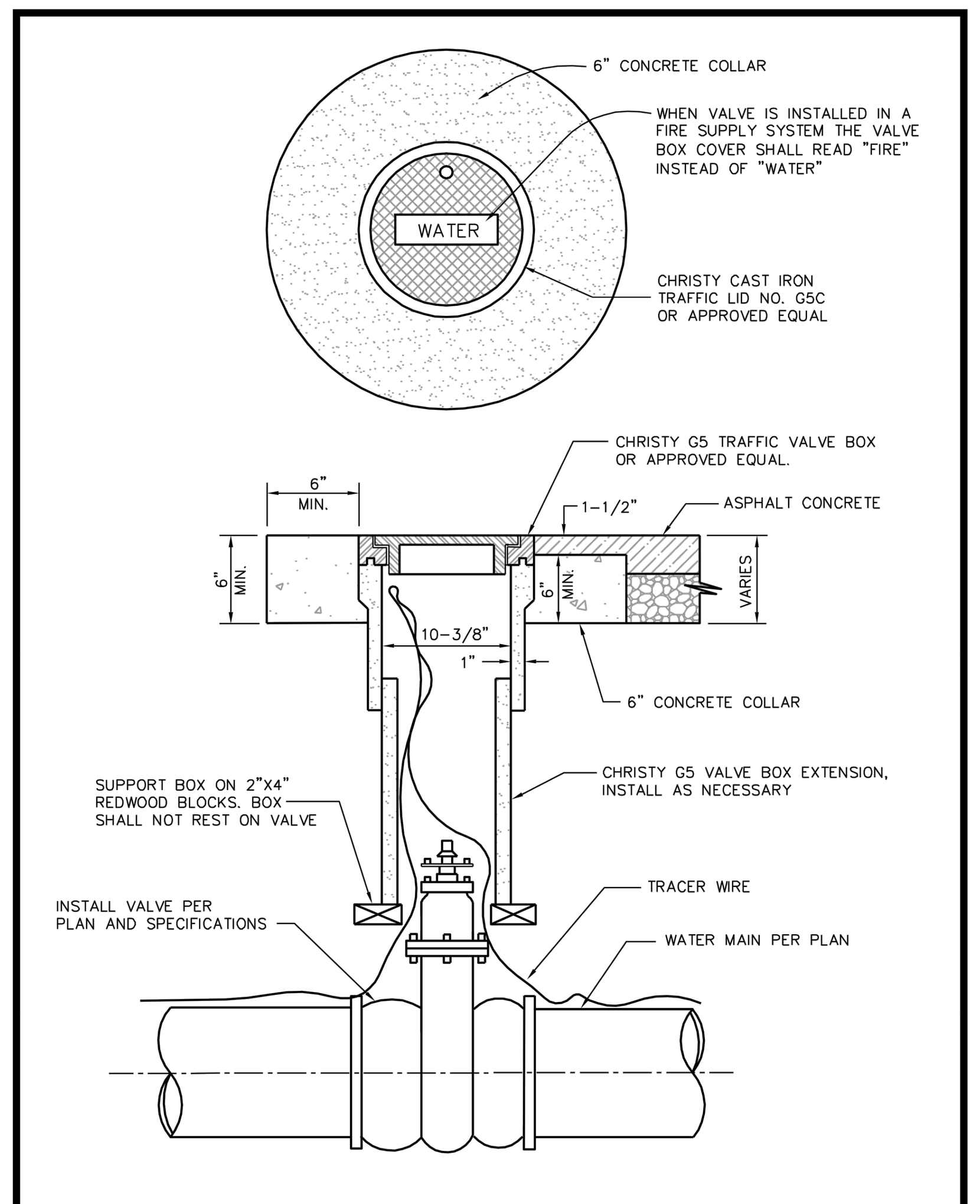


NOTES:

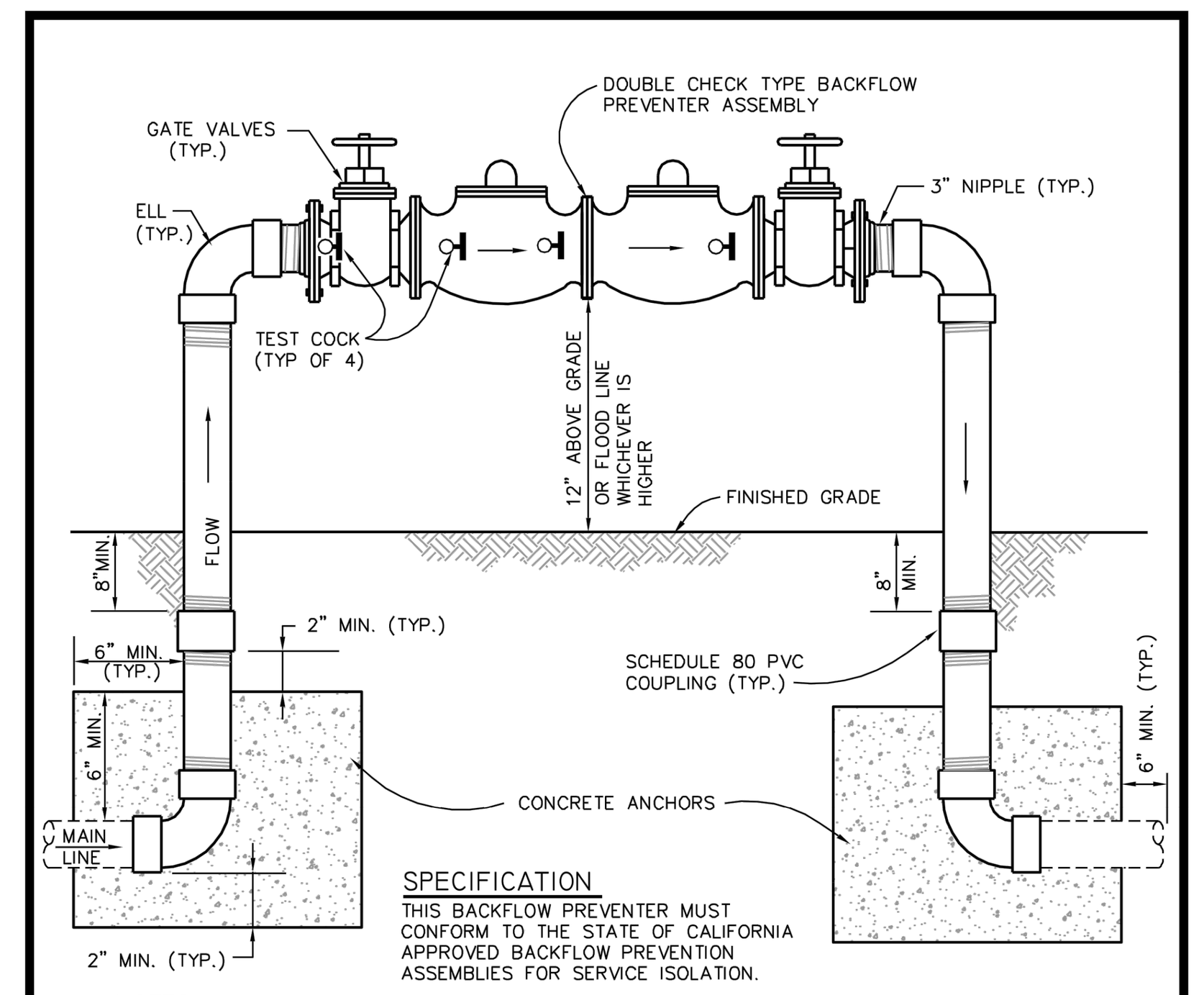
1. HORIZONTAL THRUST AT FITTINGS IS BASED ON 150 PSI WATER PRESSURE.
2. VALUES FROM CURVES ARE FOR TEES AND DEAD ENDS, i.e. STRAIGHT LINE THRUST. FOR OTHER FITTINGS, MULTIPLY THE BEARING AREA OBTAINED FROM CURVES BY THE FOLLOWING FACTORS: (FOR 90° BEND, 1.4) (FOR 45° BEND, 0.8) (FOR 22-1/2° BEND, 0.4).
3. SAFE BEARING LOADS ON UNDISTURBED SOIL ARE AS FOLLOWS:
CURVE A = 4000 PSF, MASSIVE CRYSTALLINE BEDROCK.
CURVE B = 3000 PSF, SEDIMENTARY AND FOLIATED BEDROCK.
CURVE C = 2000 PSF, SANDY GRAVEL AND / OR GRAVEL.
CURVE D = 1500 PSF, SANDY, SILTY SAND OR GRAVEL AND CLAYEY SAND OR GRAVEL.
CURVE E = 1000 PSF,CLAY, SANDY CLAY, SILTY CLAY, AND CLAYEY SILT.
4. THRUST BLOCKS FOR CONDITIONS NOT COVERED BY CURVES SHALL BE APPROVED BY THE CITY ENGINEER.

SOIL CURVE INFORMATION PROVIDED BY CIVIL. SEE PERTAINING CIVIL DRAWINGS.

REVISION DATE	CITY OF MENDOTA	STD. DWG.
	THRUST BLOCK BEARING AREA	W-6



REVISION DATE	CITY OF MENDOTA	STD. DWG.
	VALVE BOX & COVER DETAIL	W-3



SPECIFICATION

THIS BACKFLOW PREVENTER MUST CONFORM TO THE STATE OF CALIFORNIA APPROVED BACKFLOW PREVENTION ASSEMBLIES FOR SERVICE ISOLATION.

NOTES:

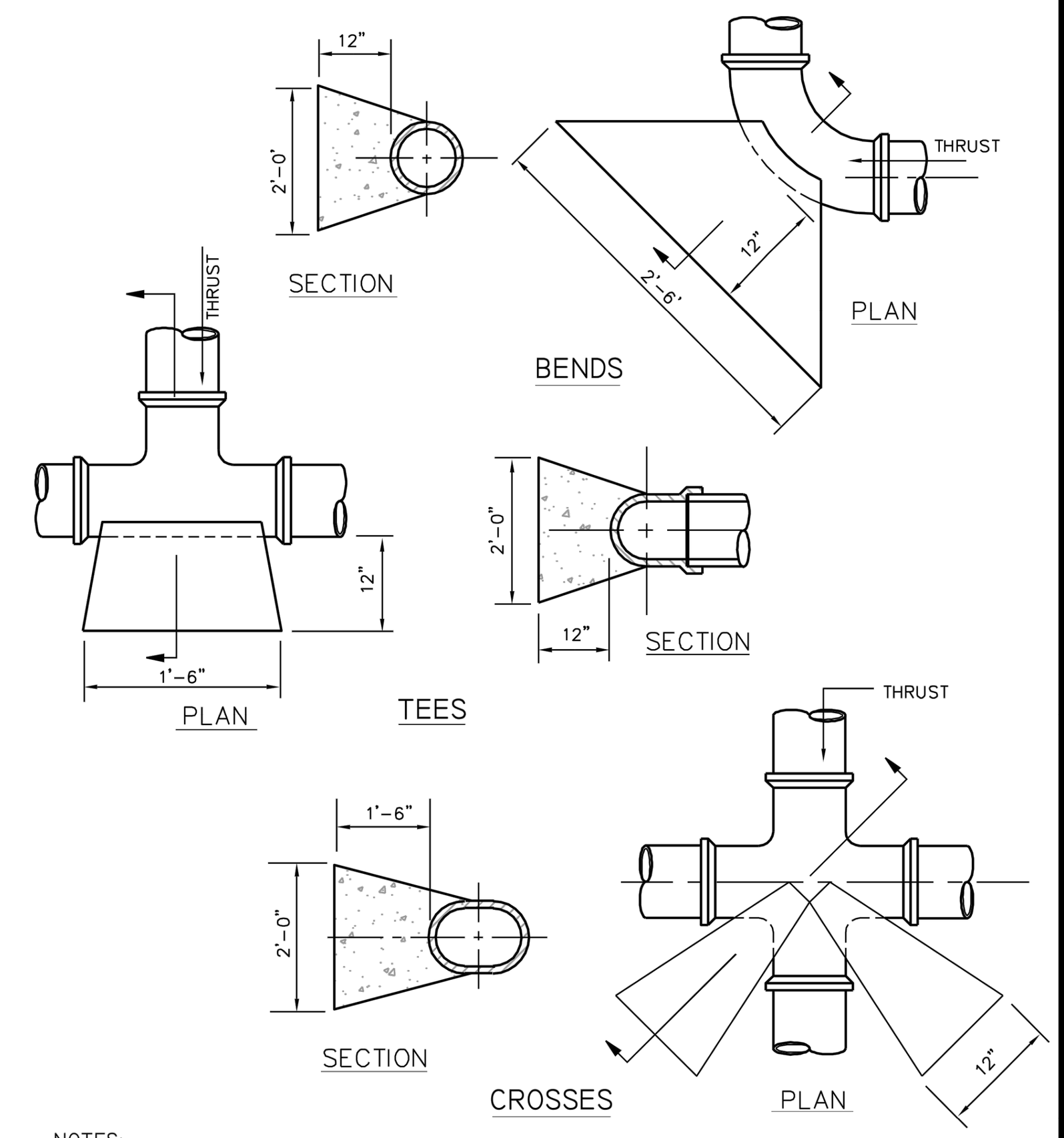
1. ALL PIPE FITTINGS SHALL BE SCHEDULE 40 GALVANIZED STEEL UNLESS OTHERWISE SPECIFIED. ALL BURIED GALVANIZED PIPE SHALL BE WRAPPED WITH 20 MIL PVC PIPE WRAP.
2. CONCRETE SHALL BE 5 SACK.
3. THE BACKFLOW PREVENTER DEVICES AND INSTALLATIONS SHALL BE APPROVED BY THE FRESNO COUNTY DEPARTMENT OF HEALTH SERVICES AND CITY OF MENDOTA DEPARTMENT OF PUBLIC WORKS.
4. VALVE ASSEMBLIES MAY HAVE SCREWED FITTINGS OR FLANGED. IF SCREWED FITTINGS ARE USED UNIONS SHALL BE INSTALLED ON EACH SIDE OF ASSEMBLY ABOVE GROUND. ALL VALVES SHALL BE PROVIDED WITH RESILIENT SEATS AND SHALL BE LOCKABLE.
5. COAT ALL EXPOSED THREADS WITH AN APPROVED RUST INHIBITING SEALANT.
6. APPROVED PLASTIC TAPE, 1/2" WIDE, SHALL BE USED ON ALL THREADED CONNECTIONS.
7. DISSIMILAR METALS SHALL BE SEPARATED BY AN APPROVED DIELECTRIC COUPLING.
8. PLASTIC PIPE SHALL NOT BE USED ABOVE FINISHED GRADE.
9. BACKFLOW ASSEMBLIES 3" OR SMALLER SHALL BE COVERED WITH A PROTECTIVE ENCLOSURE.

REVISION DATE	CITY OF MENDOTA	STD.DWG.
	DOUBLE CHECK VALVE BACKFLOW PREVENTER	W-II

Water Main Installation and Connection Procedure Continued

13. CONTRACTOR SHALL FLUSH NEW WATER MAIN (BOTH WAYS IF POSSIBLE) THROUGH FIRE HYDRANT AND/OR BLOW-OFF ASSEMBLY IMMEDIATELY AFTER ALL CONNECTIONS HAVE BEEN MADE TO THE EXISTING WATER MAINS. THIS IS TO REMOVE CHLORINE SWABBING RESIDUE. THE CITY INSPECTOR WILL THEN VERIFY (0) RESIDUAL. THE CONTRACTOR SHALL THEN CLOSE ALL VALVES, IN THE PRESENCE OF THE INSPECTOR, TO ACHIEVE ISOLATION OF THE NEWLY INSTALLED WATER SYSTEM.
14. CITY WILL SAMPLE FOR BACTERIOLOGICAL ANALYSIS. IF ANY BACTERIA ARE FOUND IN ANY SAMPLES TAKEN THE CONTRACTOR SHALL IMMEDIATELY SUBMIT TO CITY ENGINEERING DIVISION CORRECTIVE ACTION PLANS FOR RECHLORINATION AND RETESTING.
15. CONTRACTOR SHALL REIMBURSE THE CITY FOR ALL COSTS INCURRED BY THE CITY FOR BACTERIOLOGICAL RETESTING PRIOR TO FINAL PROJECT APPROVAL.
16. UPON APPROVAL, CONTRACTOR SHALL FULLY OPEN ALL NEW MAINLINE VALVES AND FIRE HYDRANT VALVES. THE CITY INSPECTOR MUST VERIFY AND APPROVE THIS PROCEDURE PRIOR TO FINAL PROJECT APPROVAL.
17. WATER DISCHARGE FROM FLUSHING OPERATIONS SHALL NOT BE DISCHARGED TO A SANITARY SEWER SYSTEM.

REVISION DATE	CITY OF MENDOTA	Std. Dwg.
	WATER MAIN CONNECTION PROCEDURE	W-8 SHT. 3 OF 3



NOTES:

1. ALL THRUST BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL, WITH A MINIMUM THICKNESS OF 12 INCHES BETWEEN FITTINGS AND SOIL.
2. ALL DIMENSIONS SHOWN ARE MINIMUM, SEE THRUST BLOCK BEARING AREA CHART.
3. CONCRETE SHALL BE 5 SACK MIX PER STATE OF CALIFORNIA DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION.
4. SUPPORT AND PROTECT ALL PIPE. CONCRETE SHALL NOT BEAR AGAINST PIPES.

REVISION DATE	CITY OF MENDOTA	STD. DWG.
	THRUST BLOCK DETAILS	W-5

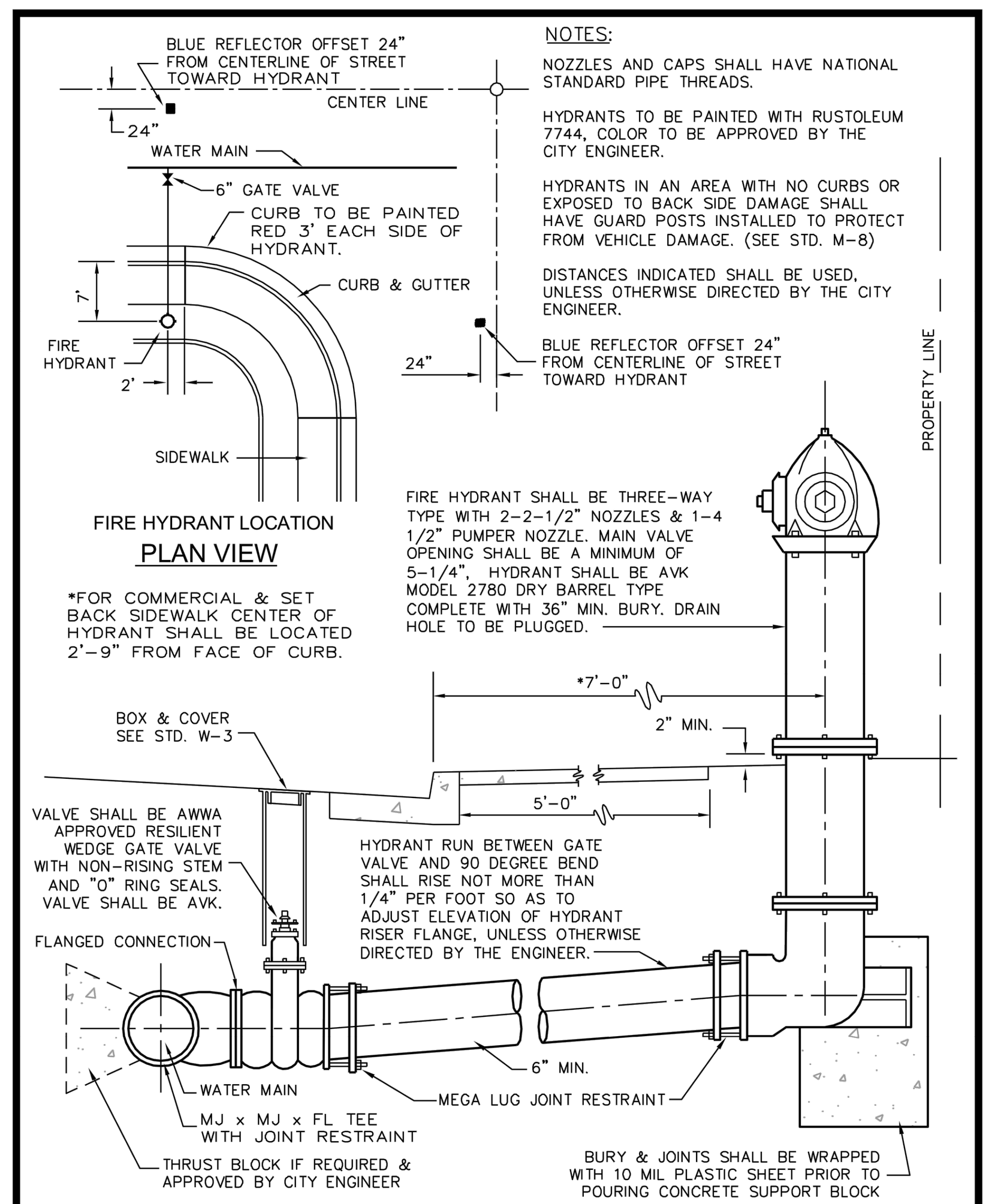
NOTES:

NOZZLES AND CAPS SHALL HAVE NATIONAL STANDARD PIPE THREADS.

HYDRANTS TO BE PAINTED WITH RUSTOLEUM 7744, COLOR TO BE APPROVED BY THE CITY ENGINEER.

HYDRANTS IN AN AREA WITH NO CURBS OR EXPOSED TO BACK SIDE DAMAGE SHALL HAVE GUARD POSTS INSTALLED TO PROTECT FROM VEHICLE DAMAGE. (SEE STD. M-8)

DISTANCES INDICATED SHALL BE USED, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.



REVISION DATE		CITY OF MENDOTA	Std. Dwg.
1/10/06		FIRE HYDRANT INSTALLATION & LOCATION	W-2
9-25-07			

NOTES & SPECIFICATIONS:

1. ALL PIPE AND FITTINGS SHALL BE FLANGED OR MECHANICAL JOIN WITH JOINT RESTRAINT FOR PVC AND APPROVED BY THE CITY ENGINEER. ALL T-BOLTS AND NUTS SHALL BE CORROSION RESISTANT, COR-BLUE, CERAMIC FILLED, WITH BAKED ON FLUOROCARBON RESIN. ALL FLANGE BOLTS AND NUTS SHALL BE XYLAN COATED. GALVANIZED PIPE APPROVED FOR USE IN A BURIED APPLICATIONS SHALL BE WRAPPED WITH 20 MIL PVC PIPE WRAP.
2. CONCRETE SHALL HAVE 5 SACKS OF CEMENT MINIMUM PER CUBIC YARD OF CONCRETE.
3. THE BACKFLOW PREVENTER DEVICES AND INSTALLATIONS SHALL BE APPROVED BY CITY OF MENDOTA DEPARTMENT OF PUBLIC WORKS.
4. VALVE ASSEMBLIES MAY HAVE SCREWED FITTINGS OR FLANGED. IF SCREWED FITTINGS ARE USED UNIONS SHALL BE INSTALLED ON EACH SIDE OF ASSEMBLY ABOVE GROUND.
5. COAT ALL EXPOSED THREADS WITH AN APPROVED RUST INHIBITING SEALANT.
6. APPROVED PLASTIC TAPE, 1/2" WIDE, SHALL BE USED ON ALL THREADED CONNECTIONS.
7. DISSIMILAR METALS SHALL BE SEPARATED BY AN APPROVED DIELECTRIC COUPLING.
8. PLASTIC PIPE SHALL NOT BE USED ABOVE FINISHED GRADE.
9. DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE FEBCO MODEL 856, WILKINS 350ADA, OR APPROVED EQUAL.
10. FLANGED POST INDICATOR VALVE SHALL BE POTTER-ROEMER, INC. MODEL 6223 WITH TAMPER SWITCH AND CONDUIT WITH WIRES TO ALARM PANEL, OR APPROVED EQUAL.
11. FIRE DEPARTMENT CONNECTIONS SHALL HAVE NST THREADS AND LETTERING "AUTO. SPKR."

    OPTION 1: SHALL BE POTTER-ROMER MODEL 5746-C. THREEWAY WITH TRIPLE CLAPPERS OR APPROVED EQUAL. ON THREADED 6" DUCTILE IRON PIPE RISER. RISER SHALL BE PAINTED WITH 1 COAT PRIMER AND 2 COATS RED ENAMEL.

    OPTION 2: SHALL BE POTTER-ROMER MODEL 5731-C TWO WAY WITH DOUBLE CLAPPERS OR APPROVED EQUAL ON THREADED 4" CONNECTION.
12. POST INDICATOR VALVE AND FIRE DEPARTMENT CONNECTIONS SHALL MEET THE COUNTY OF FRESNO, FIRE DEPARTMENT STANDARDS. FOR OPTION 2, PROVIDE HEAVY DUTY CHAIN TO LOCK VALVES ON DETECTOR ASSEMBLY. PROVIDE ONE 6 INCH LONG CHAIN SECTION FOR DOUBLE LOCKING WITH CITY AND FIRE DEPARTMENT LOCKS.
13. BACKFLOW ASSEMBLIES 2" OR SMALLER SHALL BE COVERED WITH A APPROVED PROTECTIVE ENCLOSURE AND COVERED WITH A PROTECTIVE FREEZE BLANKET APPROVED BY THE CITY ENGINEER.
14. UNDERGROUND PIPING FOR FIRE LINES SHALL BE TESTED HYDROSTATICALLY AT 200 PSI FOR 2 HOURS AS PER NFPA 13. UNDERGROUND PIPE DURING TESTING SHALL NOT BE BURIED BUT MAY BE CENTERED LOAD BURIED DURING 200 PSI TEST.

REVISION DATE		CITY OF MENDOTA	STD.DWG.
9-25-07		FIRE SERVICE ASSEMBLY NOTES AND SPECIFICATIONS	W-15 SHT. 3 OF 3

DSA File No.: *DSA File*

DSA Application No.: *DSA App*

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122955 INC: 01
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/28/2025

Agency Approval

General Notes

LAWRENCE ENGINEERING GROUP
24103

Consultant

Mendota Elementary School - Modular Classroom Additions
Mendota Unified School District
605 Bass Ave, Mendota CA 93640

Project

FIRE PROTECTION CITY STANDARDS

Drawing

darden architects — ARCHITECTURE PLANNING INTERIORS — www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

Architect

No.	Revision/Submission	Date

Revision

	Designed By: BJL	Copyright 2024 Darden Architects
Scale: N/A	Drawn By: LEG	X/F102
Project Number: 2277	Checked By: BJL	
Date: 08/23/24	Reviewed By: R.C.	

A1 FIRE PROTECTION CITY STANDARD DETAILS
N/A

8 April 2025 2:41 PM P:\2024\24103 Mendota Elementary School Modular Classroom Buildings\4-Drawings\6 F\XF102 - CITY STANDARDS.dwg benjamin