CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

INCREMENT NO. 1 - SITE DEVELOPMENT

8879 COOK RIOLO ROAD, ROSEVILLE, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

INCREMENT NO. 1

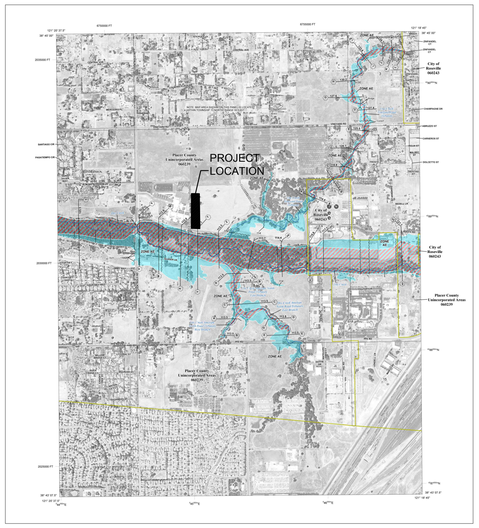
BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL
CAMPUS EXPANSION
8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

FEMA INFORMATION



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR ZONE DESCRIPTIONS AND INDEX MAP
FEE INFORMATION EFFECTIVE ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT HTTP://MSC.FEMA.GOV

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE)
- With BFE or Depth
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Flood Risk due to Levee
- Area to be Removed to be Outside the 0.2% Annual Chance Floodplain
- Area of Undetermined Flood Hazard

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- Cross Sections with 1% Annual Chance Water Surface Elevation (BFE)
- Coastal Transect
- Base Flood Elevation Line
- Profile Baseline
- Hydrographic Feature
- Limit of Moderate Wave Action (LiMWA)
- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

SCALE

1 inch = 500 feet 1:6,000
0 500 1,000 2,000 Feet
0 150 300 600 Meters

PANEL LOCATOR

FEMA
National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

PLACER COUNTY, CA
and Incorporated Areas
PANEL 1027 of 1060

COMMUNITY	NUMBER	PANEL	SUFFIX
PLACER COUNTY	060226	1027	F

VERSION NUMBER 2.3.3.5
MAP NUMBER 06061C1027F
MAP REVISED NOVEMBER 2, 2018

APPLICABLE CODES

ALL WORK SHALL CONFORM TO THE FOLLOWING AND ALL OTHER APPLICABLE CODES AND ORDINANCES:

2025 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R.
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, C.C.R.
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R.
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R.
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R.
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.
2022 CALIFORNIA GREEN CODE, PART 11, TITLE 24, C.C.R.
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
2022 ELEVATOR SAFETY ORDERS, PART 8, DIVISION 1, CHAPTER 4, SUBCHAPTER 6, TITLE 24, C.C.R.
2022 TITLE 19 C.C.R., PUBLIC SAFETY, DIVISION 1 STATE FIRE MARSHAL REGULATIONS
2022 NFPA 13, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED
2019 NFPA 14, INSTALLATION OF STANDPIPE, PRIVATE HYDRANT, AND HOSE SYSTEMS
2019 NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
2022 NFPA 72, NATIONAL FIRE ALARM CODE, AS AMENDED

NOTE:
THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE OR REGULATIONS. SHOULD ANY EXISTING CONDITIONS BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER, OR SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.

SYMBOLS LEGEND

SEE INDIVIDUAL SHEETS FOR ADDITIONAL SHEET SPECIFIC SYMBOLS/ LEGENDS NOT INDICATED HERE - NOT ALL SYMBOLS/ LEGENDS WILL APPLY.

SECTION — SECTION NUMBER / SHEET NUMBER
DETAIL — DETAIL NUMBER / SHEET NUMBER
INTERIOR ELEVATION — N / W / E / S, DETAIL NUMBER / ELEVATION ORIENTATION / SHEET NUMBER
OPENING — 34
KEYNOTE — 6
WALL TYPE — 1
DATUM / WORK POINT OR CONTROL POINT
DIMENSION MARKS
ROOM NAME — OFFICE
ROOM NO. — 106

GENERAL SCOPE OF WORK

INCREMENT NO.1 - SITE DEVELOPMENT SCOPE:

- NEWLY ACQUIRED SITE TO BE SCRAPED, GRADED, AND TESTED.
- IDENTIFICATION OF ALL SITE UTILITIES.
- DEMOLITION OF LARGE TREES.
- EXPANSION OF THE FIRE ROAD THROUGH CAMPUS.
- INSTALLATION OF NEW PARKING LOT WITH EV CHARGING, ADA PARKING SPACES, SIDEWALKS, AND PATH OF TRAVEL TO SERVE NEW BUILDING.
- TYING IN WATER, SEWER, STORM, PLUMBING, ELECTRICAL, AND IRRIGATION UTILITIES TO EXISTING CAMPUS.
- NEW CONCRETE WALKS AND AC PAVING .
- EXTENSIVE GRADING AND RETAINING WALLS TO TRANSITION EXISTING CAMPUS INTO NEW AREA.
- NEW LANDSCAPING, INCLUDING BUT NOT LIMITED TO, TREES, PLANTS, BUSHES, AND SHRUBS AS NOTED IN LANDSCAPE DRAWINGS.
- NEW VEHICULAR AND PEDESTRIAN GATES
- NEW PC SHADE STRUCTURE
- NEW SITE SECURITY TO TIE INTO EXISTING CAMPUS.

INCREMENT NO. 2 - BUILDING PACKAGE SCOPE:

- INSTALL NEW MODULAR CLASSROOMS.
- NEW RESTROOMS AND DRINKING FOUNTAINS.
- NEW FIRE ALARM AND OTHER LOW-VOLTAGE UTILITIES TO TIE INTO EXISTING CAMPUS.
- NEW PLUMBING, ELECTRICAL, SEWER, AND WATER UTILITIES PROVIDED TO NEW BUILDING.
- FIRE SPRINKLER SYSTEM AND FIRE RISER DESIGN.
- NEW MODULAR BUILDING PADS.

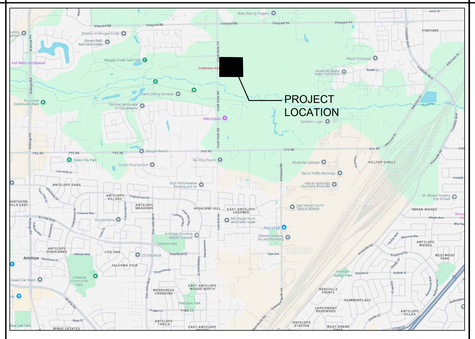
GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE SITE AND SHALL REPORT ANY DISCREPANCIES IN WRITING TO THE CONSTRUCTION MANAGER BY THE MEANS OF AN REQUEST FOR INFORMATION (RFI) OR AS PART OF THE APPLICABLE SHOP DRAWING/SUBMITTAL.
2. SPECIFIC ITEMS NOTED TO BE VERIFIED OR FIELD VERIFIED ARE REQUIRED TO BE VERIFIED PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH THE WORK.
3. CONTRACTOR IS RESPONSIBLE FOR ALL INCIDENTAL WORK NECESSARY TO COMPLETE THE INSTALLATION OF NEW WORK. THIS INCLUDES, BUT IS NOT LIMITED TO, THE REMOVAL AND/OR REINSTALLATION OR ALL EXISTING ITEMS, OF PORTIONS OF THE EXISTING CONSTRUCTION WHETHER SHOWN OR NOT.
4. ALL WORK, MATERIALS, METHODS, ETC. SHALL CONFORM TO ALL GOVERNING BUILDING CODES AND REGULATIONS.
5. ANY CONFLICT BETWEEN THESE PLANS AND EXISTING CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
6. ALL WORK SHALL BE IN COMPLETE CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS OR AS OTHERWISE OUTLINED IN THE SPECIFICATIONS.
7. USE OF ANY NEW MATERIALS CONTAINING LEAD OR ASBESTOS IS PROHIBITED.
8. DETAILS, MATERIALS AND SCOPE OF WORK SHALL BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS UNLESS SPECIFICALLY NOTED OTHERWISE.
9. THE TERM "TYPICAL" OR "(TYP.)" SHALL BE CONSTRUED TO MEAN APPLYING TO ALL LIKE OR SIMILAR CONDITIONS IN THE AREAS DESIGNATED FOR WORK SCOPE.
10. ALL PRODUCTS AND/OR MANUFACTURERS INDICATED ON DRAWINGS SHALL COMPLY WITH SPECIFICATIONS AND/OR BE APPROVED IN WRITING BY ARCHITECT PRIOR TO ORDERING OR INSTALLATION OF MATERIAL.
11. 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.A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. A MINIMUM CLASS 2 INSPECTOR IS REQUIRED.A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT, GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
12. ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, AND THE WRITTEN SITE SAFETY PLAN.
13. THE EXISTING FACILITY HAS ASBESTOS CONTAINING MATERIAL IN VARIOUS LOCATIONS. ANY PART OF WORK REQUIRING REMOVAL OF ASBESTOS CONTAINING MATERIAL SHALL BE PERFORMED IN IN ACCORDANCE WITH THE ASBESTOS ABATEMENT SPECIFICATIONS EXHIBIT "C" OF THE PROJECT MANUAL.
14. THE EXISTING FACILITY HAS LEAD-CONTAINING MATERIALS IN VARIOUS LOCATIONS. ANY PART OF WORK REQUIRING REMOVAL OF LEAD CONTAINING MATERIAL SHALL BE PERFORMED IN ACCORDANCE WITH THE LEAD ABATEMENT SPECIFICATIONS EXHIBIT "D" OF THE PROJECT MANUAL.
15. CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND RE-INSTALLATION OF ALL EXISTING (E) ROOF-TOP PIPING, CONDUIT, WIRE AND EQUIPMENT DURING REPLACEMENT OF BLOCKING, SUPPORTS AND UNISTRUT.
16. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT ALL NECESSARY PERMITS AND APPROVALS ARE OBTAINED PRIOR TO BEGINNING WORK OR ORDERING MATERIALS.
17. CONTRACTOR TO COORDINATE WITH EQUIPMENT SUPPLIERS FOR POWER REQUIREMENTS, BLOCKING LOCATIONS, SUPPORT FOR EQUIPMENT, PLUMBING REQUIREMENTS AND ROUGH-IN LOCATIONS.
18. WHERE INCLUDED IN THESE DRAWINGS, "KEYNOTES" DENOTE NEW WORK TO BE PERFORMED UNDER THIS CONTRACT AND ARE IDENTIFIED TO THE RIGHT OF EACH SHEET. THE "KEYNOTE" NUMBER REFERENCES THE SPECIFICATION SECTION RELATED TO THE WORK DESIGNATED BY THE "KEYNOTE". "NOTES" DENOTE EXISTING ITEMS FOR REFERENCE ONLY AND ARE ALSO IDENTIFIED TO THE RIGHT OF EACH SHEET. "GENERAL SHEET NOTES" DENOTE DESCRIPTIONS OF ADDITIONAL NEW WORK SPECIFIC TO THE SHEET CONTAINING THE "GENERAL SHEET NOTE".
19. NOT ALL CEILING APPURTENANCES (SMOKE DETECTORS, EXHAUST FANS, ACCESS DOORS, ETC.) ARE SHOWN. CONTRACTOR TO FIELD VERIFY AND TAKE APPROPRIATE ACTION TO ACCOMMODATE THESE ITEMS.
20. ALL DEMOLISHED ITEMS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY. (SEE SPECIFICATIONS, SECTION 02072).
21. ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
22. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDUM, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION PER DSA IR A-6 AND SECTION 338(C) PART 1, TITLE 24 CCR.

DEFERRED APPROVAL ITEMS

NONE.

VICINITY MAP



8879 COOK RIOLO ROAD
ROSEVILLE, CA 95747

PARCEL #:
474-130-012-000
CLIMATE ZONE: 11

NORTH

PROJECT TEAM

OWNER:
DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT
8849 COOK RIOLO ROAD
ROSEVILLE, CA 95747
PHONE: 916-770-8800
CONTACT: SHAUN SCHONDELMAYER

CIVIL ENGINEER:
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA
PHONE: (916) 985-1870
CONTACT: GREG VENTURA

ARCHITECT:
NACHT & LEWIS ARCHITECTS
600 Q STREET, SUITE 100
SACRAMENTO, CALIFORNIA 95811
PHONE: (916) 329-4000
CONTACT: BRIAN MAYTUM

LANDSCAPE ARCHITECT:
MTW GROUP
2707 K STREET, SUITE 201
SACRAMENTO, CA 95816
PHONE: (916) 360-3990
CONTACT: BRYAN WALKER

ELECTRICAL ENGINEER:
CAPITAL ENGINEERS, INC.
11020 SUN CENTER DRIVE, SUITE 100
RANCHO CORDOVA, CA 95670
PHONE: (916) 851-3500
CONTACT: JOHN GUMAWID

FIRE ALARM:
CAPITAL ENGINEERS, INC.
11020 SUN CENTER DRIVE, SUITE 100
RANCHO CORDOVA, CA 95670
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CONTACT: DAVID HANSEN

TECHNOLOGY:
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PHONE: (916) 851-3500
CONTACT: DAVID HANSEN

PHOTOVOLTAIC:
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11020 SUN CENTER DRIVE, SUITE 100
RANCHO CORDOVA, CA 95670
PHONE: (916) 851-3500
CONTACT: DAVID HANSEN

ARCHITECT'S STATEMENT OF GENERAL CONFORMANCE

APPLICATION NO.: 02-123892
FILE NO.: 31-15

☒ ALL DRAWING SHEETS INCLUDED OIN 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): 04-123290

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS (PLANS) IN THIS STATE. IT HAS 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 SECTION 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344 OF TITLE 24, PART 1.

ARCHITECT SIGNATURE — DATE

BRIAN J. MAYTUM — C-26867 — JANUARY 31, 2027
PRINTED NAME — LICENSE NO. — EXPIRATION DATE

INCREMENT NO. 1 DRAWING INDEX

GENERAL
G000 COVER SHEET

CIVIL
C0.0 CIVIL GENERAL NOTES AND ABBREVIATIONS
C1.1 DEMOLITION PLAN
C1.2 DEMOLITION PLAN
C2.1 GRADING PLAN
C2.2 GRADING PLAN
C3.1 UTILITY PLAN
C3.2 UTILITY PLAN
C4.1 PAVING PLAN
C4.2 PAVING PLAN
C5.1 STRIPING PLAN
C6.1 EROSION CONTROL PLAN
C7.1 DETAILS
C7.2 DETAILS

LANDSCAPE
L1.0 OVERALL LANDSCAPE PLAN
L1.1 LANDSCAPE PLAN
L1.2 LANDSCAPE PLAN
L2.1 SHRUB PLANTING PLAN
L2.2 SHRUB PLANTING PLAN
L3.1 SPRINKLER IRRIGATION PLAN
L3.2 SPRINKLER IRRIGATION PLAN
L4.1 LANDSCAPE PLANTING DETAILS
L4.2 SPRINKLER IRRIGATION DETAILS
L4.3 SPRINKLER IRRIGATION DETAILS
L4.4 SPRINKLER IRRIGATION DETAILS
L5.1 MWELO CHARTS AND CALCULATIONS
L6.1 TREE SHADING PLAN
L6.2 TREE SHADING PLAN

ARCHITECTURAL
A000 OVERALL SITE PLAN
A001 BUILDING CODE ANALYSIS
A100 SITE CODE ANALYSIS
A101D DEMOLITION SITE PLAN
A101 ENLARGED SITE PLAN - NEW WORK
A102 ENLARGED SITE PLAN - PARKING AND DROP-OFF
A103 ENLARGED SITE PLANS
A104 ENLARGED SITE PLANS
A105 SITE DETAILS

ELECTRICAL
E0.1-1 ELECTRICAL COVER SHEET
E0.2-1 ELECTRICAL ONE-LINE DIAGRAM
E1.0-1 ELECTRICAL SITE PLAN
E2.0-1 ELECTRICAL DETAILS
E2.1-1 ELECTRICAL DETAILS
E3.0-1 T24 LTO FORMS

FIRE ALARM
FA0.1-1 FIRE ALARM COVER SHEET
FA1.0-1 FIRE ALARM SITE PLAN
FA2.0-1 FIRE ALARM FLOOR PLAN

TELECOMMUNICATIONS
T0.1-1 TECHNOLOGY, PROJECT NOTES AND SPECIFICATIONS
T1.0-1 TECHNOLOGY SITE PLAN
T2.0-1 TECHNOLOGY DETAILS

SHADE STRUCTURE PC DRAWINGS
LS1.0 COVERED WALKWAY
LS1.1 GENERAL NOTES
LS1.2 DSA 103
LS1.3 DSA 103
LS3.0 MC16 FOUNDATION PLAN
LS3.1 MC16 CONNECTION DETAILS
LS3.4 MC16 STANDING SEAM DETAILS
LS5.0 OPTIONAL ELECTRICAL

TOTAL SHEET COUNT: 56

CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

COVER SHEET

SHEET NO.

G000

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

ABBREVIATIONS

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

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

LEGEND

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

PROPOSED GRADING & DRAINAGE SYMBOLS:

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

PROPOSED SANITARY SEWER SYMBOLS:

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

PROPOSED WATER SYMBOLS:

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

IMPROVEMENT PLANS FOR

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

8779 COOK RIOLO ROAD,
ROSEVILLE, CA 95747

GENERAL NOTES

1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.

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

2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
4. CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY PRE-CONSTRUCTION SITE REVIEWS TO DETERMINE NECESSARY MEANS AND METHODS TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS.
7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT, IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK.. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB SLAB CONSTRUCTION.
21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDROSEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.
24. AT LIMITS OF NEW PAVEMENT OR CURBS ADJACENT TO LANDSCAPING PROVIDE A 4:1 MINIMUM TRANSITION TO EXISTING GRADE WITH TOPSOIL. ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE AND PROVIDE SOD IN GRASS AREAS TO RESTORE TO EXISTING CONDITION.
25. TRANSITION BETWEEN PAVED SURFACES AND LANDSCAPE AREAS SHALL BE NO GREATER THAN 1", UNLESS NOTED OTHERWISE.
26. WITHIN LIMITS OF WORK THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ARCHITECT FOR DIRECTION.
27. GENERAL CONTRACTOR IS REQUIRED TO HIRE A LANDSCAPE SUBCONTRACTOR TO PERFORM ALL LANDSCAPE AND IRRIGATION REPAIRS.
28. WIDTH OF NEW SIDEWALKS SHALL MATCH WIDTH OF EXISTING, ADJACENT, SIDEWALKS.
29. SEE ARCHITECTURAL PLANS FOR EXPANSION AND CONTROL JOINT LAYOUT.
30. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.
31. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH 2 COATS OF SEALCOAT.
32. PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
33. FOR ACCESSIBLE PATH OF TRAVEL REQUIREMENTS SEE ARCHITECTURAL SHEETS.
34. PERCENT OF SLOPE SHOWN ON ARROWS ARE MAXIMUM SLOPES AND NOT INTENDED TO SUPERCEDE SLOPES DEFINED BY SPOT ELEVATIONS. → 0.0% MAX.
35. WITHIN THE LIMITS OF ACCESSIBLE PARKING AREA AND ACCESSIBLE DROP OFF ZONE THE SLOPE OF PAVEMENT SHALL NOT EXCEED 1.9% IN ANY DIRECTION.
36. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

    CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL - 1.9%
    DIRECTION OF TRAVEL - 4.9%
    RAMP IN DIRECTION OF TRAVEL - 8.0%
    PLAZA 1.9% - IN ANY DIRECTION
37. THE MINIMUM SLOPE AWAY FROM THE BUILDING ON PAVED SURFACES SHALL BE 1% MINIMUM AND 2% MAXIMUM.
38. TRANSITIONS BETWEEN CONCRETE AND OR ASPHALT SURFACES SHALL BE FLUSH, UNLESS NOTED OTHERWISE BY CURB OR STEP.

CIVIL SHEET INDEX

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C0.2	TOPOGRAPHIC SURVEY
C1.1	DEMOLITION PLAN
C1.1	DEMOLITION PLAN
C2.1	GRADING PLAN
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C3.1	UTILITY PLAN
C3.2	UTILITY PLAN
C4.1	PAVING PLAN
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C5.1	STRIPING PLAN
C6.1	EROSION CONTROL PLAN
C7.1	DETAILS
C7.2	DETAILS

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION
8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER — ANTHONY J. TASSANO — No. C74636 — STATE OF CALIFORNIA — 04/10/2018

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LICENSED ARCHITECT — MATTHEW LEE LAM — No. C-26867 — RENEWAL DATE: 1/31/2027 — STATE OF CALIFORNIA

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

SHEET TITLE

COVER SHEET

SHEET NO.

C0.0

FILENAME: I:\25-080\CIVIL\DWG\25-080-C00.DWG

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

EXISTING TOPOGRAPHY

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

EXISTING UTILITIES

- = storm drain line (size & direction of flow)
- = storm drain line (record information)
- = storm drain line (UNDERGROUND LOCATING)
- = storm drain manhole
- = storm drain cleanout
- = drop inlet
- = AREA DRAIN
- = STORM DRAIN BOX
- = RAIN WATER LEADER
- = downspout
- = sanitary sewer line (size & direction of flow)
- = sanitary sewer line (record information)
- = sanitary sewer line (UNDERGROUND LOCATING)
- = sanitary sewer manhole
- = sanitary sewer cleanout
- = sanitary sewer BOX
- = water line (size indicated)
- = water line (record information)
- = water line (UNDERGROUND LOCATING)
- = water manhole
- = water valve
- = water meter
- = water box
- = IRRIGATION CONTROL VALVE
- = FIRE HYDRANT
- = backflow preventer
- = SPRINKLER
- = hose bibb
- = OVERHEAD ELECTRIC LINE
- = UNDERGROUND ELECTRIC LINE
- = UNDERGROUND ELECTRIC LINE (record information)
- = UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- = ELECTRIC MANHOLE
- = UTILITY POLE (WITH GUY WIRE)
- = ELECTRIC METER
- = ELECTRIC BOX
- = FIRE BOX
- = SIGNAL BOX
- = STREET LIGHTING BOX
- = TRAFFIC SIGNAL BOX
- = LIGHT STANDARD
- = SIGNAL LIGHT
- = FLOOD LIGHT
- = ELECTRICAL OUTLET
- = GAS LINE (SIZE INDICATED)
- = GAS LINE (record information)
- = GAS LINE (UNDERGROUND LOCATING)
- = GAS MANHOLE
- = GAS VALVE
- = GAS BOX
- = GAS METER
- = telephone line
- = telephone line (record information)
- = telephone line (UNDERGROUND LOCATING)
- = telephone MANHOLE)
- = COMMUNICATIONS BOX
- = CABLE TELEVISION BOX
- = TELEPHONE BOX

ABBREVIATIONS

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

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

TBM LIST

Number	DESCRIPTION	Northing	Easting	Elevation
4	CPS CHISELED "+"	2031242.93	6751970.46	128.50
6	CPS CHISELED "+"	2031037.17	6751919.08	127.55
26	CPS CHISELED "+"	2031719.26	6752047.50	127.37

BASIS OF BEARINGS:
ASSUMED

F.E.M.A. INFORMATION:
THE SUBJECT PROPERTY IS LOCATED IN "ZONE X--AREA OF MINIMAL FLOOD HAZARD" PER FLOOD INSURANCE RATE MAP 06061C1027H DATED NOVEMBER 2, 2018.

NOTE:
EXISTING UTILITIES BASED ON VISIBLE SURFACE STRUCTURES AND RECORD INFORMATION.

GRAPHIC SCALE
20' 0 10' 20' 40'
(IN FEET) 1 inch = 20 feet
NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
No. C 74696
CIVIL
STATE OF CALIFORNIA
04/10/2026

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LICENSED ARCHITECT
WILLIAM MATTOX
No. C 26867
RENEWAL DATE: 1/31/2027
STATE OF CALIFORNIA
ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

TOPOGRAPHIC SURVEY

SHEET NO.

C0.1

FILENAME: I:\25-080\CIVIL\DWG\25-080-C01-C02.DWG

ONE AND ONE-HALF INCH = ONE FOOT
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CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

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ANTHONY J. TASSANO
NO. C74936
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04/10/2026

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LICENSED ARCHITECT
DALLAS J. MASON
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RENEWAL DATE: 08/31/2027
STATE OF CALIFORNIA
ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00

SHEET TITLE

TOPOGRAPHIC SURVEY

SHEET NO.

C0.2

DEMOLITION NOTES

NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET

1. REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING AND AGGREGATE BASE. WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN.
2. REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING AND AGGREGATE BASE. WHERE SAWCUT EDGES ARE SHOWN, THEY SHALL BE A NEAT STRAIGHT LINE. MAINTAIN CLEAN STRAIGHT CUT EDGE UNTIL NEW PAVING PLACED.
3. REMOVE AND DISPOSE OF TURF/VEGETATION AS REQUIRED TO ALLOW FOR PROPOSED CONSTRUCTION. IRRIGATION PIPING AND SPRINKLER HEADS IN CONFLICT WITH PROPOSED CONSTRUCTION SHALL BE REMOVED AND REPLACED OUTSIDE OF NEW WORK TO ALLOW FOR CONTINUED COVERAGE OF TURF. PATCH BACK TURF AREAS DAMAGED/REMOVED FOR CONSTRUCTION WITH NEW SOD AND/OR MULCH TO MATCH EXISTING CONDITIONS.
4. REMOVE AND DISPOSE OF EXISTING FENCE, POSTS GATES AND FOOTINGS TO EXTENT SHOWN.
5. REMOVE AND DISPOSE OF EXISTING TREE, TRUNK AND ASSOCIATED ROOTS.
6. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB TO EXTENTS SHOWN.
7. REMOVE AND DISPOSE OF EXISTING SEWER CLEANOUT.

DEMOLITION GENERAL NOTES

1. REFER TO ARCHITECTURAL, LANDSCAPE, ELECTRICAL AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION ITEMS.
2. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
3. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
6. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
7. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
8. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
9. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.
10. SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.
11. PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.
12. WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.
13. COORDINATE REMOVAL OF LANDSCAPE ITEMS WITH LANDSCAPE PLANS.

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74696 CIVIL STATE OF CALIFORNIA 04/10/2026

WCE

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

CONSULTANT

nacht&lewis

600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000

REGISTERED ARCHITECT BRIAN MATTON No. C 26867 RENEWAL DATE: 1/31/2027 STATE OF CALIFORNIA

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

SHEET TITLE

DEMOLITION PLAN

SHEET NO.

C1.1

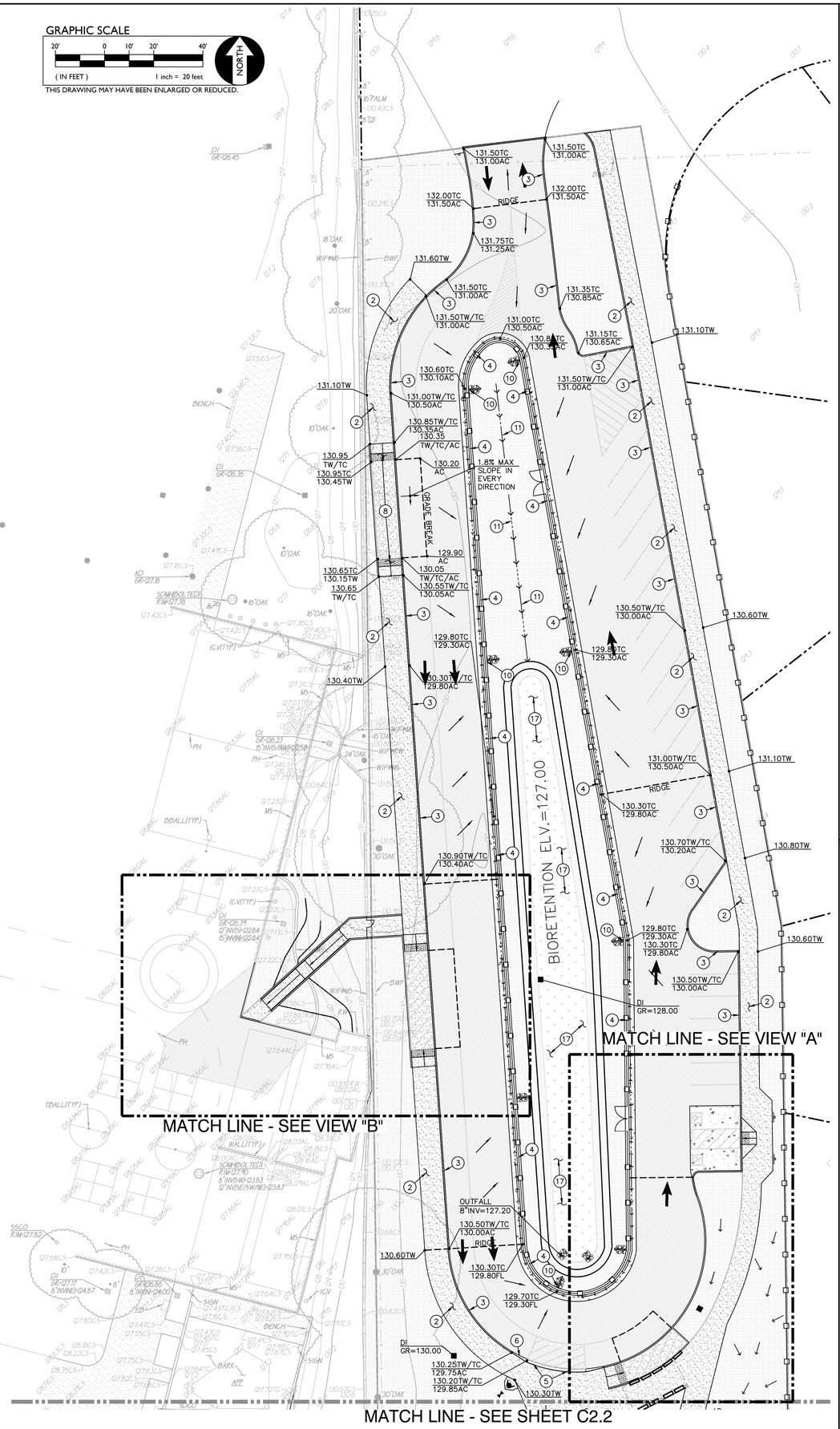
FILENAME: I: \25-080\CIVIL\DWG\25-080-C11-C12.DWG

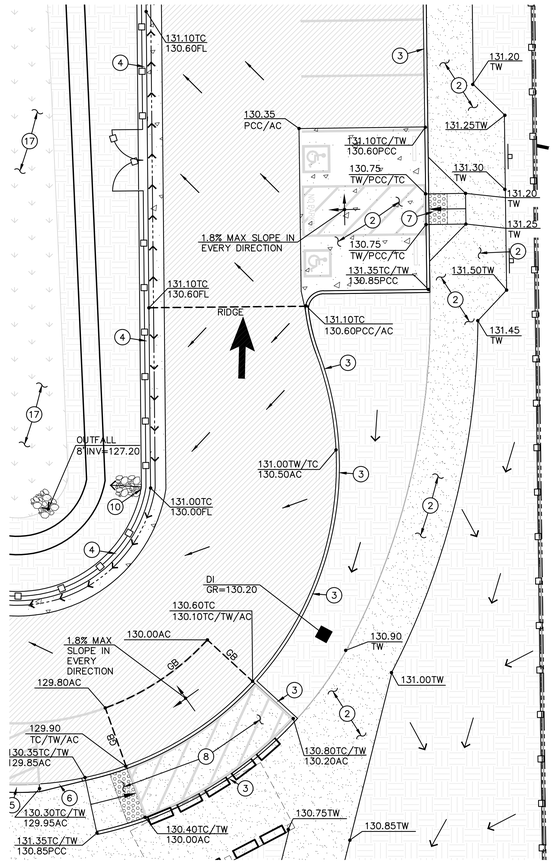
ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

MATCH LINE - SEE SHEET C1.1
BLDG A
BLDG
BLDG
BLDG
BLDG
BLDG
6" FS
6" FS
6" SD
6" SD
6" SD

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

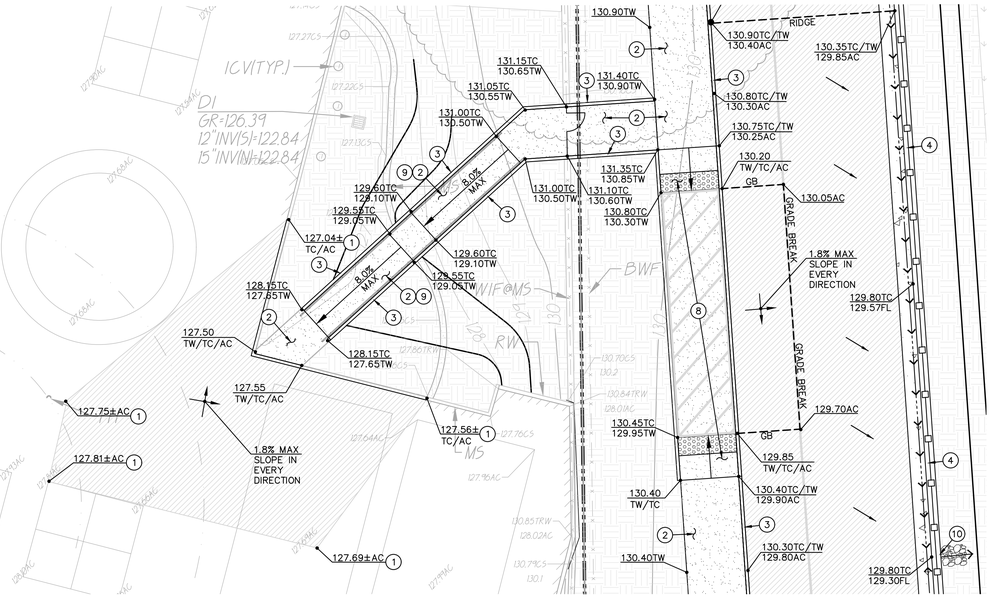
GRAPHIC SCALE
20' 0 10' 20' 40'
(IN FEET) 1 inch = 20 feet
NORTH
THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.





VIEW "A"

GRAPHIC SCALE
10' 0 5' 10' 20'
(IN FEET) 1 inch = 10 feet
NORTH
THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.



VIEW "B"

GRAPHIC SCALE
10' 0 5' 10' 20'
(IN FEET) 1 inch = 10 feet
NORTH
THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

GRADING NOTES

NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET

1. MATCH EXISTING GRADE/ELEVATION.
2. CONSTRUCT CONCRETE SIDEWALK PER 1/C7.1
3. CONSTRUCT CONCRETE CURB PER 2/C7.1
4. CONSTRUCT CONCRETE CURB AND GUTTER PER 4/C7.1
5. CONSTRUCT ROLLED CURB WITH SIDEWALK PER 5/C7.1
6. TRANSITION FROM VERTICAL CURB TO ROLLED CURB.
7. CONSTRUCT ACCESSIBLE CURB RAMP PER 9/C7.1
8. CONSTRUCT ACCESSIBLE LOADING ZONE PER 10/C7.1
9. CONSTRUCT CONCRETE RAMP PER 15/C7.1
10. CONSTRUCT CURB OPENING PER 11/C7.1
11. CONSTRUCT SWALE.
12. GRADE UNIFORMLY TO INLET AND/OR SWALE.
13. CONSTRUCT CONCRETE FLUSH CURB PER. 9/C7.1
14. CONSTRUCT 12" CONCRETE SEATWALL PER. 12/C7.1 13/C7.1
15. PROVIDE 4"X4", GALVANIZE BOX TUBE, 0.125"MIN WALL. INSIDE OF TUBE SET FLUSH WITH CONCRETE SURFACE, WITH THE TUBE SLOPED AT 1/4" WITH RIP RAP ON THE LANDSCAPE SIDE, PER 11/C7.1
16. CONSTRUCT CONCRETE APRON PER 14/C7.2
17. CONSTRUCT BIORETENTION AREA PER 14/C7.1

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
CIVIL
STATE OF CALIFORNIA
08/10/2026

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CONSULTANT

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600 Q Street, Suite 100
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www.nachtlewis.com
916.329.4000

REGISTERED ARCHITECT
BRIAN M. MATTIA
No. C 26867
RENEWAL DATE: 1/31/2027
STATE OF CALIFORNIA
ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

GRADING PLAN

SHEET NO.

C2.1

FILENAME: I: \25-080\CIVIL\DWG\25-080-C21-C22.DWG

ONE AND ONE-HALF INCH = ONE FOOT

ONE INCH = ONE FOOT

THREE-QUARTERS INCH = ONE FOOT

ONE-HALF INCH = ONE FOOT

ONE-QUARTER INCH = ONE FOOT

ONE-EIGHTH INCH = ONE FOOT

ONE-SIXTEENTH INCH = ONE FOOT

ONE INCH = TWENTY FEET

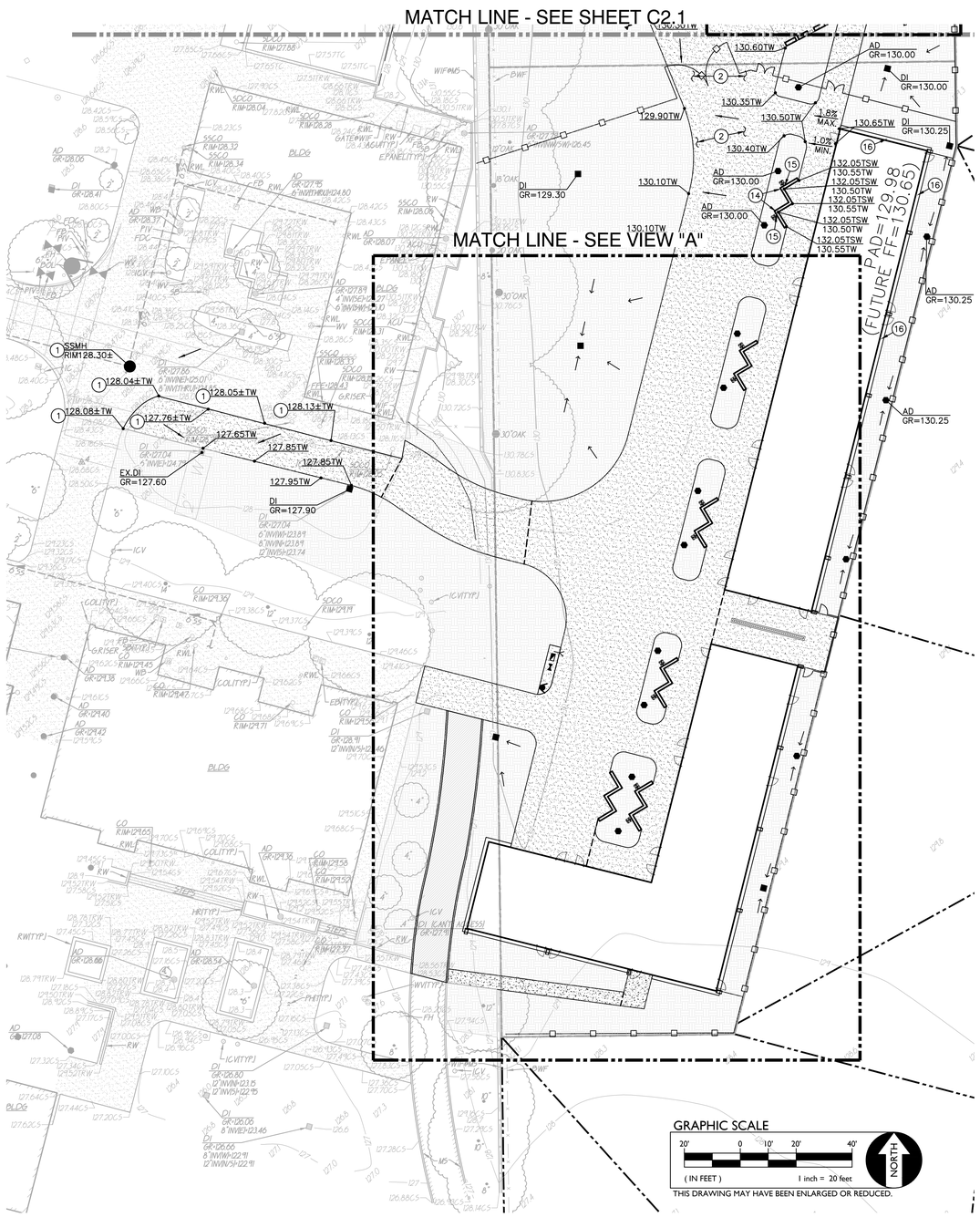
GENERAL NOTES

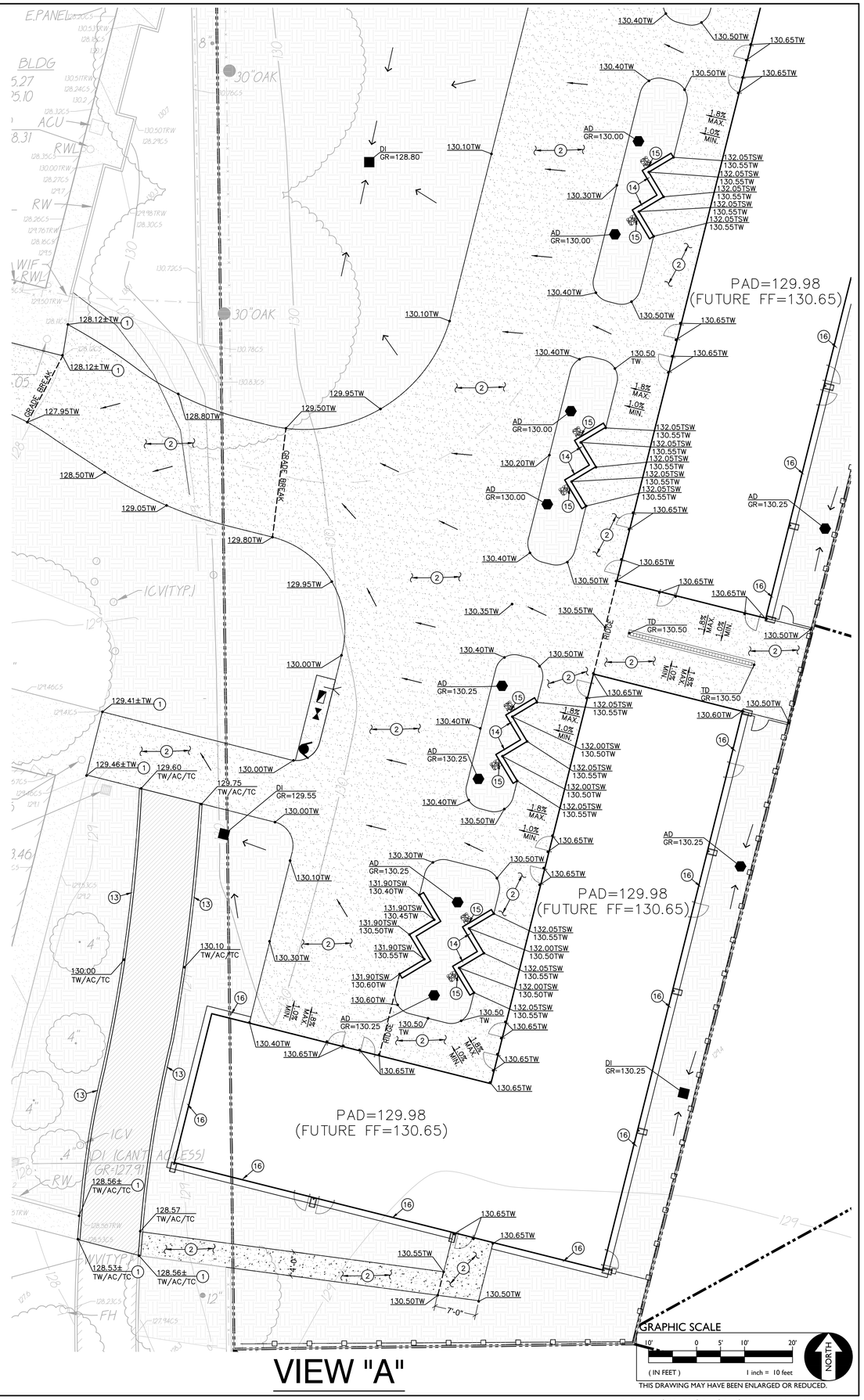
1. COORDINATE WITH INCREMENT 2 BUILDING PLANS.

GRADING NOTES

NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET

1. MATCH EXISTING GRADE/ELEVATION.
2. CONSTRUCT CONCRETE SIDEWALK PER (1 C7.1)
3. CONSTRUCT CONCRETE CURB PER (2 C7.1)
4. CONSTRUCT CONCRETE CURB AND GUTTER PER (4 C7.1) (5 C7.1)
5. CONSTRUCT ROLLED CURB WITH SIDEWALK PER (9 C7.1) (10 C7.1)
6. TRANSITION FROM VERTICAL CURB TO ROLLED CURB.
7. CONSTRUCT ACCESSIBLE CURB RAMP PER (9 C7.1) (10 C7.1)
8. CONSTRUCT ACCESSIBLE LOADING ZONE PER (15 C7.1) (11 C7.1)
9. CONSTRUCT CONCRETE RAMP PER (15 C7.1) (11 C7.1)
10. CONSTRUCT CURB OPENING PER (14 C7.2) (14 C7.1)
11. CONSTRUCT SWALE.
12. GRADE UNIFORMLY TO INLET AND/OR SWALE.
13. CONSTRUCT CONCRETE FLUSH CURB PER. (3 C7.1) (12 C7.1) (13 C7.1)
14. CONSTRUCT 12" CONCRETE SEATWALL PER.
15. PROVIDE 4"X4", GALVANIZE BOX TUBE, 0.125"MIN WALL INSIDE OF TUBE SET FLUSH WITH CONCRETE SURFACE, WITH THE TUBE SLOPED AT 1/4" WITH RIP RAP ON THE LANDSCAPE SIDE, PER 11/C7.1
16. CONSTRUCT CONCRETE APRON PER (14 C7.2) (14 C7.1)
17. CONSTRUCT BIORETENTION AREA PER





VIEW "A"

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL
CAMPUS EXPANSION

8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J TASSANO
NO. C74626
STATE OF CALIFORNIA
04/10/2026

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CONSULTANT

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600 Q Street, Suite 100
Sacramento, CA 95811
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916.329.4000

LICENSED ARCHITECT
ANDREW J. MAGNUSON
No. C 26867
RENEWAL DATE: 1/31/2027
STATE OF CALIFORNIA
ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

SHEET TITLE

GRADING PLAN

SHEET NO.

C2.2

FILENAME: I: \25-080\CIVIL\DWG\25-080-C21-C22.DWG

ONE AND ONE-HALF INCH = ONE FOOT

ONE INCH = ONE FOOT

THREE-QUARTERS INCH = ONE FOOT

ONE-HALF INCH = ONE FOOT

ONE-QUARTER INCH = ONE FOOT

ONE-EIGHTH INCH = ONE FOOT

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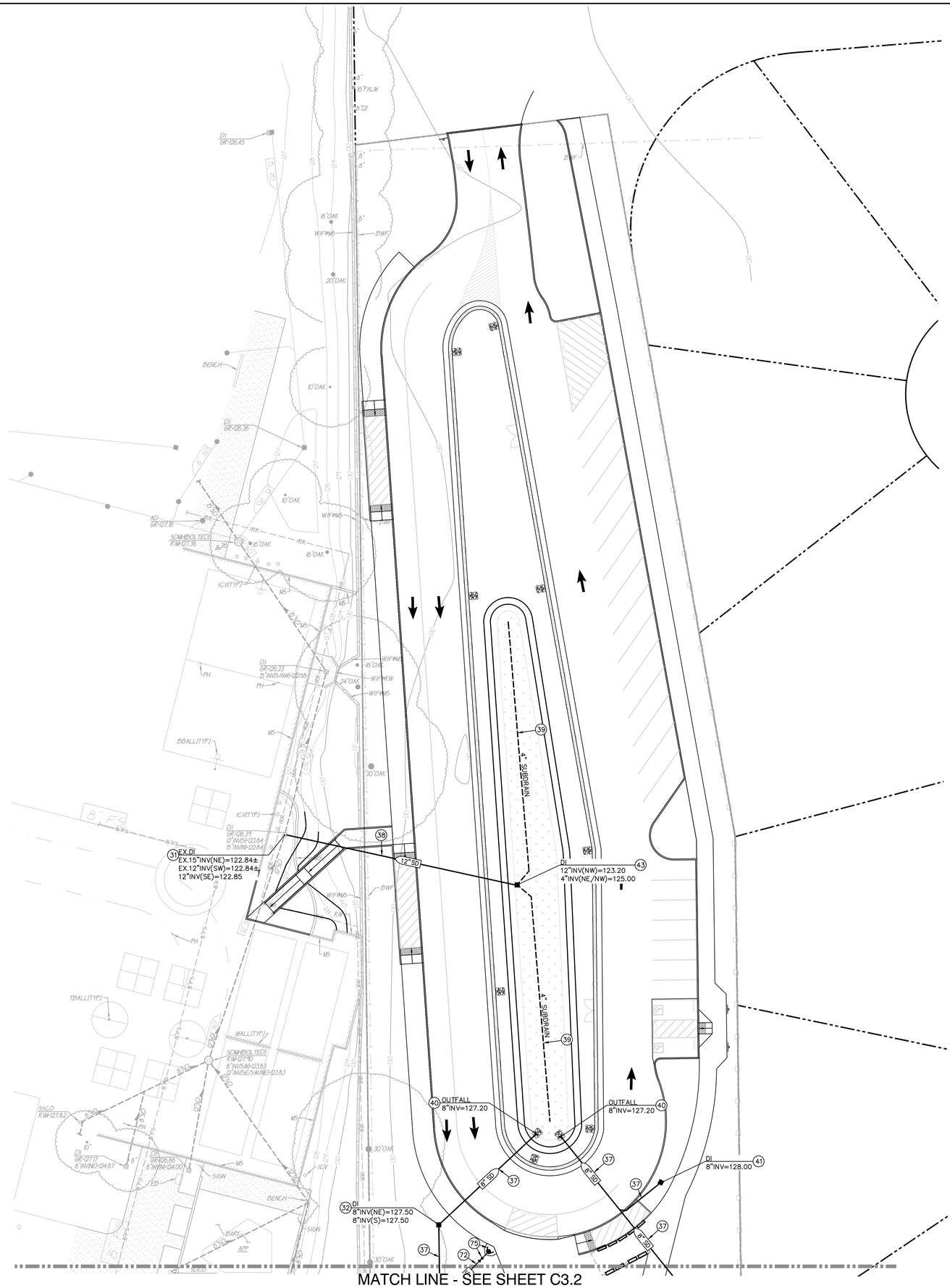
ONE INCH = TWENTY FEET



DRAINAGE NOTES

NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET

31. CONNECT TO EXISTING STORM DRAIN. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
32. CONSTRUCT DROP INLET PER 1 C7.2
33. CONSTRUCT AREA DRAIN PER 2 C7.2
34. CONSTRUCT STORM DRAIN CLEANOUT PER 3 C7.2
35. PLACE 4" STORM DRAIN PER
36. PLACE 6" STORM DRAIN PER
37. PLACE 8" STORM DRAIN PER
38. PLACE 12" STORM DRAIN PER 4 C7.2
39. PLACE 4" SUBDRAIN PER 5 C7.2
40. CONSTRUCT OUTFALL PER 6 C7.2
41. CONSTRUCT DOWNSPOUT CONNECTION PER.
42. PROVIDE CONCRETE SPLASH BLOCK PER.
43. CONSTRUCT BIO-RETENTION INLET PER 11 C7.2

SEWER NOTES

NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET

51. CONNECT TO EXISTING SEWWER. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
52. CONSTRUCT SEWER MANHOLE PER 7 C7.2
53. CONSTRUCT SEWER CLEANOUT PER 3 C7.2
54. PLACE 6" SEWER PER 4 C7.2
55. CONNECT TO BUILDING SEWER SERVICE.

WATER NOTES

NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET

71. CONNECT TO EXISTING WATER LINE. FIELD VERIFY EXACT DEPTH AND LOCATION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
72. PLACE 6" WATER PER 8 C7.2
73. PLACE 4" WATER PER
74. PLACE GATE VALVE AND VALVE BOX PER SIZE TO MATCH LINE SIZE. 9 C7.2
75. CONSTRUCT FIRE HYDRANT ASSEMBLY PER 10 C7.2
76. CONNECT TO BUILDING DOMESTIC WATER SERVICE.
77. PLACE CONCRETE THRUST BLOCK PER 12 C7.2

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
No. C74596
STATE OF CALIFORNIA
04/10/2026

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600 Q Street, Suite 100
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www.nachtlewis.com
916.329.4000

REGISTERED ARCHITECT
LAI J. MAITLEN
No. C 26867
RENEWAL DATE: 1/31/2027
STATE OF CALIFORNIA

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

SHEET TITLE

UTILITY PLAN

SHEET NO.

C3.1

FILENAME: I: \25-080\CIVIL\DWG\25-080-C31-C32.DWG

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
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ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

DRAINAGE NOTES

NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET

31. CONNECT TO EXISTING STORM DRAIN. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
32. CONSTRUCT DROP INLET PER (1 C7.2)
33. CONSTRUCT AREA DRAIN PER (2 C7.2)
34. CONSTRUCT STORM DRAIN CLEANOUT PER (3 C7.2)
35. PLACE 4" STORM DRAIN PER
36. PLACE 6" STORM DRAIN PER (4 C7.2)
37. PLACE 8" STORM DRAIN PER
38. PLACE 12" STORM DRAIN PER
39. PLACE 4" SUBDRAIN PER (5 C7.2)
40. CONSTRUCT OUTFALL PER (6 C7.2)
41. CONSTRUCT DOWNSPOUT CONNECTION PER.
42. PROVIDE CONCRETE SPLASH BLOCK PER.
43. CONSTRUCT BIO-RETENTION INLET PER (11 C7.2)

SEWER NOTES

NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET

51. CONNECT TO EXISTING SEWWER. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
52. CONSTRUCT SEWER MANHOLE PER (7 C7.2)
53. CONSTRUCT SEWER CLEANOUT PER (3 C7.2)
54. PLACE 6" SEWER PER (4 C7.2)
55. CONNECT TO BUILDING SEWER SERVICE.

WATER NOTES

NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET

71. CONNECT TO EXISTING WATER LINE. FIELD VERIFY EXACT DEPTH AND LOCATION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
72. PLACE 6" WATER PER (8 C7.2)
73. PLACE 4" WATER PER
74. PLACE GATE VALVE AND VALVE BOX PER (9 C7.2) SIZE TO MATCH LINE SIZE.
75. CONSTRUCT FIRE HYDRANT ASSEMBLY PER (10 C7.2)
76. CONNECT TO BUILDING DOMESTIC WATER SERVICE.
77. PLACE CONCRETE THRUST BLOCK PER (12 C7.2)

GRAPHIC SCALE
20' 0 10' 20' 40'
(IN FEET) 1 inch = 20 feet
NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

FILENAME: I:\25-080\CIVIL\DWG\25-080-C31-C32.DWG

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL
CAMPUS EXPANSION
8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA
04/10/2026

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

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600 Q Street, Suite 100
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916.329.4000
LICENSED ARCHITECT
NO. C-26867
RENEWAL DATE: 12/31/2027
STATE OF CALIFORNIA
ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

UTILITY PLAN

SHEET NO.

C3.2

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
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ONE-HALF INCH = ONE FOOT
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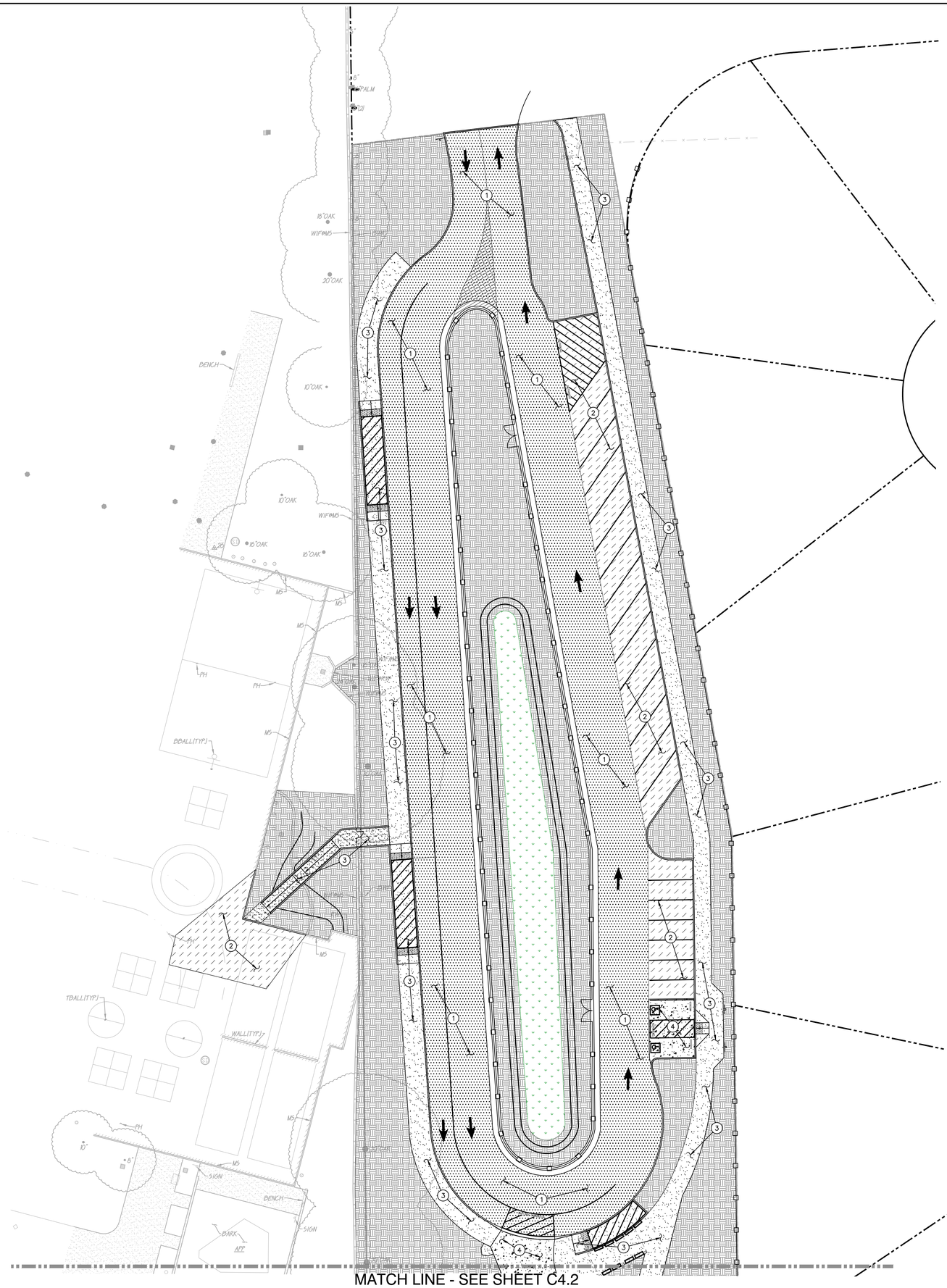

PAVING GENERAL NOTES:

1. ASPHALT MIX SHALL MEET CALTRANS SPECIFICATIONS FOR TYPE B ASPHALTIC CONCRETE. REFERENCE CALTRANS S AND PROJECT SPECIFICATIONS.
2. AGGREGATE BASE SHALL MEET CALTRANS SPECIFICATIONS FOR CLASS II AGGREGATE BASE.
3. ALL AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO, OR SLIGHTLY ABOVE, OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% RELATIVE COMPACTION.
4. RECYCLED ASPHALT MAY BE USED AS CONCRETE AND ASPHALT BASE MATERIAL PROVIDED IT MEETS CITY OF SACRAMENTO SPECIFICATIONS FOR CLASS II AB.
5. PAVEMENT SUBGRADE PREPARATION, I.E. SCARIFICATION, MOISTURE CONDITIONING, AND COMPACTION SHALL BE PERFORMED AFTER;
   A. POT HOLING ALL EXISTING UTILITIES.
   B. THE INSTALLATION OF UNDERGROUND UTILITIES AND TRENCHES BACKFILLED IN ACCORDANCE WITH THESE PLANS.
6. ALL AREAS DISTURBED BY GRADING, DEMOLITION, OR CONSTRUCTION ACCESS, WHICH ARE NOT SURFACED BY THIS SET OF PLANS, OR LANDSCAPE PLANS, SHALL BE RESTORED.
7. REFER TO GRADING PLANS FOR CURBS, CURB GUTTERS, VALLEY GUTTERS, AND OTHER CONCRETE STRUCTURES AND PAVING FEATURES NOT SPECIFICALLY NOTED ON THIS PLAN.
8. ADJUST TO FINISH GRADE ALL BOXES, FRAMES, COVERS SLEEVES, POST HOLES, GRATES, ETC. FOUND IN NEW ASPHALT OR CONCRETE PAVING AREAS, WHICH ARE NOT NOTED FOR REMOVAL. CLEAN/OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.
9. ALL NEW ASPHALT PAVING TO RECEIVE TWO APPLICATIONS OF SEAL COAT.

PAVING LEGEND

1. TYPE 1 PAVING
   PLACE 4" AC OVER 10" CLASS II AB ON COMPACTED SUBGRADE PER SPECIFICATIONS.
2. TYPE 2 PAVING
   PLACE 3" AC OVER 6" CLASS II AB ON COMPACTED SUBGRADE PER SPECIFICATIONS.
3. TYPE 3 PAVING
   PLACE 5" PCC WITH #3 REBAR @ 18" O.C.E.W. OVER 4" CLASS II AB ON SUBGRADE TREATED/COMPACTED PER SPECIFICATIONS. (1 / C7.1)
4. TYPE 4 PAVING
   PLACE 6" PCC WITH #4 REBAR @ 18" O.C.E.W. OVER 6" CLASS II AB ON SUBGRADE TREATED/COMPACTED PER SPECIFICATIONS. (1 / C7.1)

GRAPHIC SCALE
20' 0 10' 20' 40'
(IN FEET) 1 inch = 20 feet
NORTH
THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

FILENAME: I: \25-080\CIVIL\DWG\25-080-C41-C42.DWG

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
CIVIL
STATE OF CALIFORNIA
04/10/2026

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916.329.4000

LICENSED ARCHITECT
BRIAN J. MATTOX
No. C-26867
RENEWAL DATE: 1/31/2027
STATE OF CALIFORNIA
ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

PAVING PLAN

SHEET NO.

C4.1

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

PAVING GENERAL NOTES:

1. ASPHALT MIX SHALL MEET CALTRANS SPECIFICATIONS FOR TYPE B ASPHALTIC CONCRETE. REFERENCE CALTRANS S AND PROJECT SPECIFICATIONS.
2. AGGREGATE BASE SHALL MEET CALTRANS SPECIFICATIONS FOR CLASS II AGGREGATE BASE.
3. ALL AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO, OR SLIGHTLY ABOVE, OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% RELATIVE COMPACTION.
4. RECYCLED ASPHALT MAY BE USED AS CONCRETE AND ASPHALT BASE MATERIAL PROVIDED IT MEETS CITY OF SACRAMENTO SPECIFICATIONS FOR CLASS II AB.
5. PAVEMENT SUBGRADE PREPARATION, I.E. SCARIFICATION, MOISTURE CONDITIONING, AND COMPACTION SHALL BE PERFORMED AFTER;
   A. POT HOLING ALL EXISTING UTILITIES.
   B. THE INSTALLATION OF UNDERGROUND UTILITIES AND TRENCHES BACKFILLED IN ACCORDANCE WITH THESE PLANS.
6. ALL AREAS DISTURBED BY GRADING, DEMOLITION, OR CONSTRUCTION ACCESS, WHICH ARE NOT SURFACED BY THIS SET OF PLANS, OR LANDSCAPE PLANS, SHALL BE RESTORED.
7. REFER TO GRADING PLANS FOR CURBS, CURB GUTTERS, VALLEY GUTTERS, AND OTHER CONCRETE STRUCTURES AND PAVING FEATURES NOT SPECIFICALLY NOTED ON THIS PLAN.
8. ADJUST TO FINISH GRADE ALL BOXES, FRAMES, COVERS SLEEVES, POST HOLES, GRATES, ETC. FOUND IN NEW ASPHALT OR CONCRETE PAVING AREAS, WHICH ARE NOT NOTED FOR REMOVAL. CLEAN/OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.
9. ALL NEW ASPHALT PAVING TO RECEIVE TWO APPLICATIONS OF SEAL COAT.

PAVING LEGEND

1. TYPE 1 PAVING
   PLACE 4" AC OVER 10" CLASS II AB ON COMPACTED SUBGRADE PER SPECIFICATIONS.
2. TYPE 2 PAVING
   PLACE 3" AC OVER 6" CLASS II AB ON COMPACTED SUBGRADE PER SPECIFICATIONS.
3. TYPE 3 PAVING
   PLACE 5" PCC WITH #3 REBAR @ 18" O.C.E.W. OVER 4" CLASS II AB ON SUBGRADE TREATED/COMPACTED PER SPECIFICATIONS. (1/C7.1)
4. TYPE 4 PAVING
   PLACE 6" PCC WITH #4 REBAR @ 18" O.C.E.W. OVER 6" CLASS II AB ON SUBGRADE TREATED/COMPACTED PER SPECIFICATIONS. (1/C7.1)

GENERAL NOTES

1. COORDINATE WITH INCREMENT 2 BUILDING PLANS.

GRAPHIC SCALE
20' 0 10' 20' 40'
(IN FEET) 1 inch = 20 feet
NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

FILENAME: I: \25-080\CIVIL\DWG\25-080-C41-C42.DWG

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74586
STATE OF CALIFORNIA

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

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000
ARCHITECT

REVISIONS

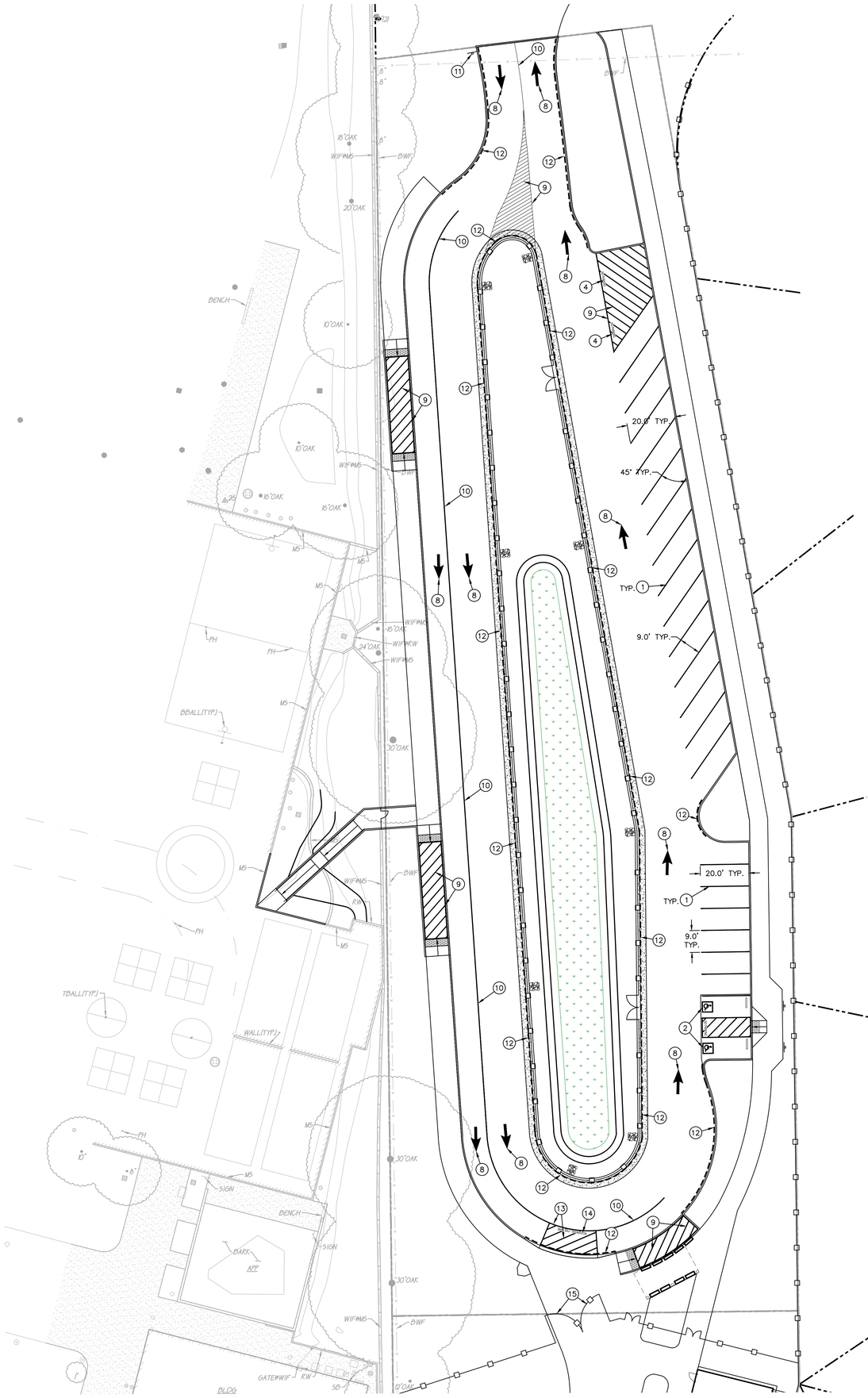
NO.	DESCRIPTION	DATE

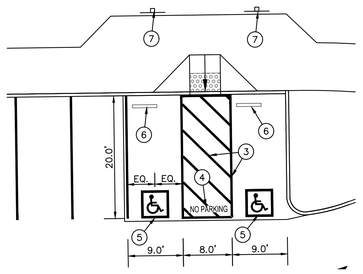
DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

PAVING PLAN

SHEET NO.

C4.2

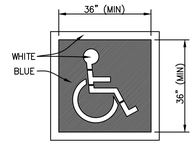




1 C5.1 ACCESSIBLE PARKING STALLS
ACCESSIBLE STALLS (CALIFORNIA ONLY) SCALE 1"=10"

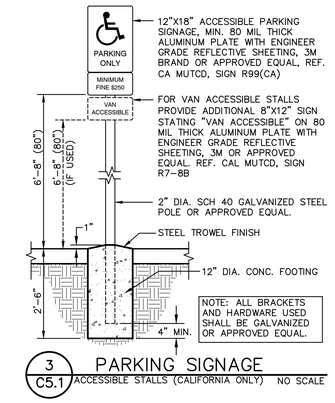
STRIPING AND SIGNAGE PLAN

1. PAINT 4" WIDE WHITE STRIPING.
2. PAINT ACCESSIBLE STALL STRIPING PER (1 C5.1)
3. PAINT 4" WIDE BLUE STRIPING AROUND PERIMETER OF ACCESSIBLE LOADING AREA WITH BLUE CROSS HATCH STRIPING. STRIPES SHALL BE 4" WIDE AND 36" O.C. AND 30° FROM PERPENDICULAR WITH PERIMETER STRIPING.
4. PAINT 12" HIGH WHITE LETTERING EXPRESSING "NO PARKING".
5. PAINT INTERNATIONAL SYMBOL FOR ACCESSIBILITY PARKING STALL SYMBOL PER (2 C5.1)
6. PLACE 48" LONG CONCRETE WHEEL STOP PER (4 C5.1)
7. INSTALL ACCESSIBLE PARKING SIGN PER (3 C5.1)
8. PAINT CALTRANS STANDARD TYPE I ARROW, CALTRANS STANDARD A24A.
9. PAINT 4" WIDE WHITE STRIPE WITH 4" WIDE WHITE CROSS HATCH STRIPING AT 45° @ 36" O.C.
10. PAINT 6" WIDE WHITE STRIPING.
11. INSTALL ACCESSIBLE PARKING TOW AWAY SIGN PER (5 C5.1)
12. PAINT CURB RED WITH 4" HIGH, 3/4" WIDE STROKE EXPRESSING "NO PARKING – FIRE LANE". MARKINGS SHALL BE LOCATED EVERY 25'.
13. PAINT 4" WIDE RED STRIPING AROUND PERIMETER OF HATCHED AREA WITH RED CROSS HATCH STRIPING. STRIPES SHALL BE 4" WIDE AND 36" O.C. AND 30° FROM PERPENDICULAR WITH PERIMETER STRIPING.
14. PAINT 12" HIGH WHITE LETTERING EXPRESSING "NO PARKING – FIRE LANE".
15. INSTALL "NO STOPPING FIRE LANE" SIGN, CALTRANS STANDARD R26F, ON BOTH SIDES OF EACH GATE LEAF. 4 TOTAL.

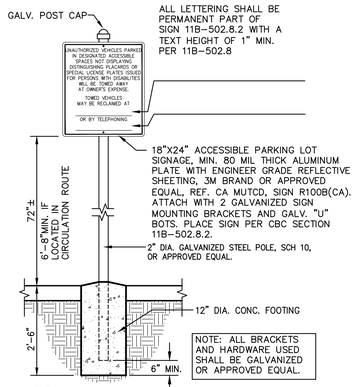


NOTE:
THIS PARKING SYMBOL IS ALSO KNOWN AS THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA).

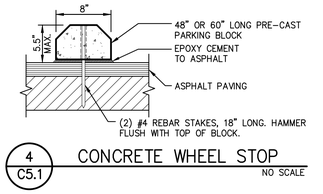
2 C5.1 ACCESSIBLE STRIPING
NO SCALE



3 C5.1 PARKING SIGNAGE
ACCESSIBLE STALLS (CALIFORNIA ONLY) NO SCALE



5 C5.1 TOW-AWAY SIGN
(CALIFORNIA ONLY) NO SCALE



4 C5.1 CONCRETE WHEEL STOP
NO SCALE

GRAPHIC SCALE
20' 0 10' 20' 40'
(IN FEET) 1 inch = 20 feet
NORTH
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FILENAME: I: \25-080\CIVIL\DWG\25-080-C51.DWG

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REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74696 CIVIL STATE OF CALIFORNIA 04/10/2026

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916.329.4000

REGISTERED ARCHITECT MATTHEW LEWIS No. C-26887 RENEWAL DATE: 1/31/2027 STATE OF CALIFORNIA
ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

STRIPING PLAN

SHEET NO.

C5.1

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

ONE AND ONE-HALF INCH = ONE FOOT

ONE INCH = ONE FOOT

THREE-QUARTERS INCH = ONE FOOT

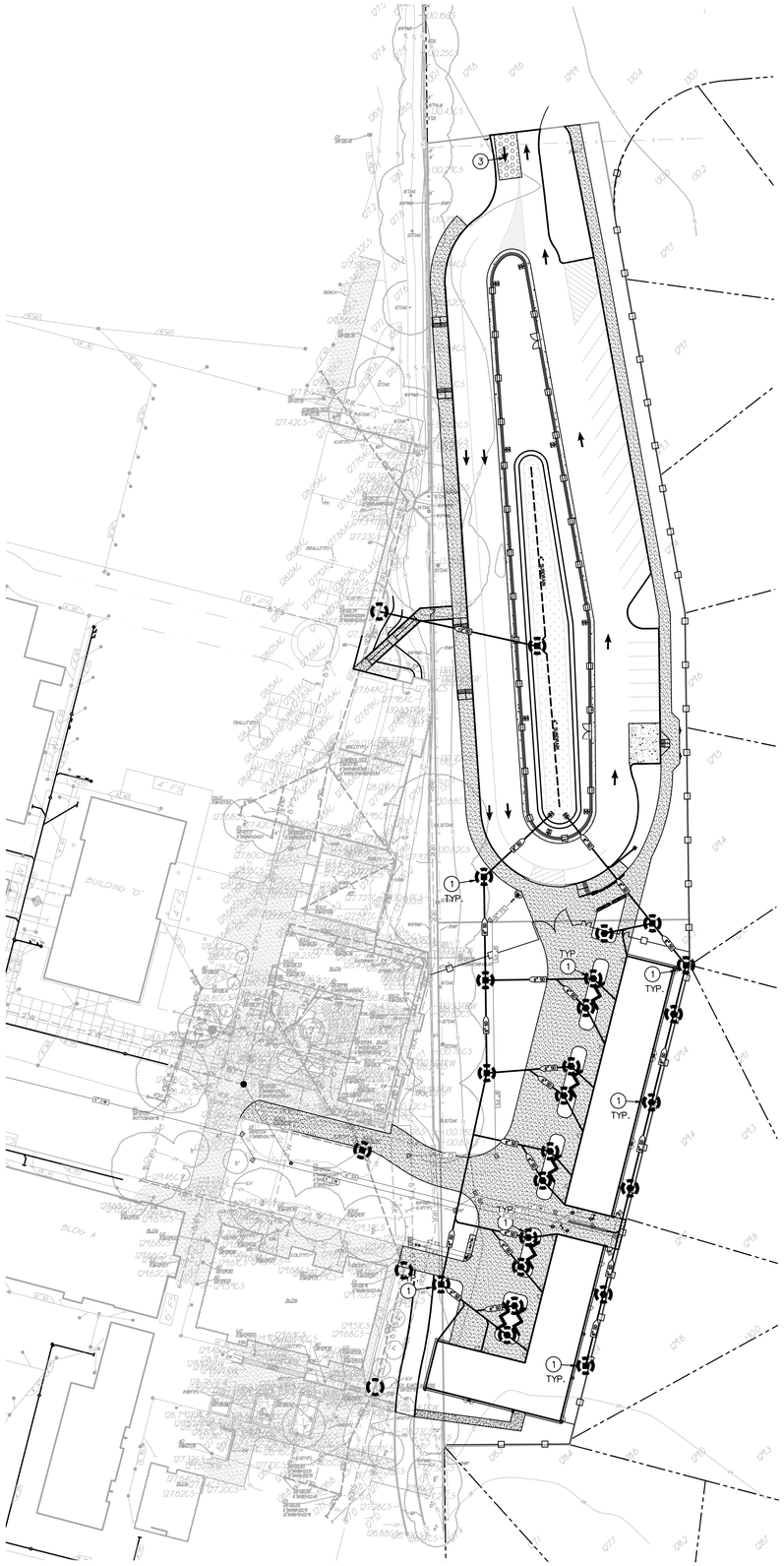
ONE-HALF INCH = ONE FOOT

ONE-QUARTER INCH = ONE FOOT

ONE-EIGHTH INCH = ONE FOOT

ONE-SIXTEENTH INCH = ONE FOOT

ONE INCH = TWENTY FEET



LEGEND

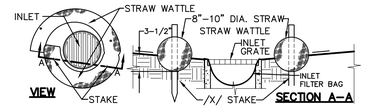
EROSION CONTROL NOTES

NOTE: EXACT LOCATION WILL BE COORDINATED BY CONTRACTOR AND PROJECT QSP.

1. CONTRACTOR SHALL PROVIDE STRAW WATTLE BARRIER AT ALL INLETS (NEW AND/OR EXIST.) IN AREAS OF ON-SITE WORK PER THE DETAIL PROVIDED. IN ADDITION TO WATTLE, PROVIDE FILTER BAG AT EACH INLET. STRAW WATTLES NOT REQUIRED AT INLETS IN PAVED AREAS, ONLY FILTER BAG. (1 / C6.1)
2. CONTRACTOR SHALL PROVIDE STRAW WATTLES AT PERIMETER OF SITE PER DETAIL (2 / C6.1)
3. CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION SITE ACCESS PER DETAIL (3 / C6.1)

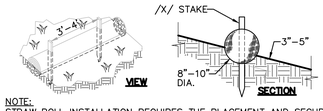
EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. IF CERTAIN SOIL TYPES (E.G. COLLOIDAL SOILS) ARE DETECTED, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL TREATMENT MEASURES PRIOR TO DISCHARGE.
2. CONTRACTOR IS RESPONSIBLE FOR THE DEWATERING AND REMOVAL OF ALL TEMPORARY EROSION CONTROL DEVICES JUST PRIOR TO THE COMMENCING OF THE FINAL GRADING AND PAVING OPERATIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THE SITE TO MINIMIZE DUST CREATED DURING CONSTRUCTION.
4. PRIOR TO PLACEMENT OF HYDRO SEEDING, REMOVE TEMPORARY EROSION CONTROL MEASURES (STRAW WATTLE FENCE AND TRACKED LOOSE STRAW).
5. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPLIANCE WITH STATE WATER RESOURCES CONTROL BOARD REQUIREMENTS.
6. ALL MATERIALS STORED ON-SITE SHALL HAVE PROPER ENCLOSURES AND/OR COVERINGS.
7. CONTRACTOR SHALL MAINTAIN ALL WATTLE OR SILT FENCES AND OTHER STORM WATER POLLUTION PREVENTION DEVICES THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES WEEKLY AS WELL AS BEFORE, DURING, AND AFTER A STORM EVENT. CONTRACTOR SHALL REMOVE ALL EROSION CONTROL AND POLLUTION PREVENTION DEVICES AT THE END OF CONSTRUCTION AS REQUIRED. REFER TO SPECIFICATIONS AND ADDITIONAL REQUIREMENTS.
8. CONTRACTOR SHALL PROVIDE AND MAINTAIN CONSTRUCTION FENCING THROUGHOUT THE PROJECT. THIS FENCING SHALL DETER PEDESTRIANS AND NON-CONSTRUCTION RELATED PERSONNEL FROM ENTERING THE CONSTRUCTION SITE AREA TO THE GREATEST POSSIBLE EXTEND. THE CONTRACTOR SHALL COORDINATE THIS FENCING LAYOUT WITH SCHOOL DISTRICT PERSONNEL PRIOR TO ANY FENCING PLACEMENT SO AS TO NOT SIGNIFICANTLY INTERFERE WITH SCHOOL OPERATION.
9. CONTRACTOR SHALL ADEQUATELY PREVENT EXCESSIVE AMOUNTS OF MUD, SAND, DIRT, AND OTHER DEBRIS FROM BEING TRACKED ONTO THE STREET FROM CONSTRUCTION VEHICLE MOVEMENT. PROVIDE WASHING FACILITIES AT CONSTRUCTION ENTRANCE IF NECESSARY.



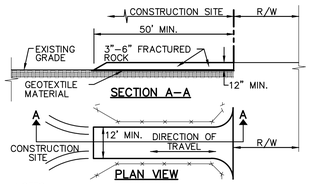
NOTE: STRAW WATTLE INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTLE IN A TRENCH, 3-1/2" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

1 / C6.1 STRAW WATTLE INLET FILTER — NO SCALE



NOTE: STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

2 / C6.1 STRAW ROLLS — NO SCALE



NOTES:

1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 3"-6" ANGULAR ROCK MATERIAL CONFORMING TO SECTION 26 OF STATE SPECIFICATIONS PLACED OVER GEOTEXTILE MATERIAL. ROCK SHALL BE PLACED TO A MINIMUM THICKNESS OF SIX INCHES. THE METHOD OF PLACING, SPREADING AND COMPACTING ROCK SHALL CONFORM TO SECTION 26 OF THE STATE SPECIFICATIONS.
2. LENGTH OF SITE ACCESS SHALL BE A MINIMUM LENGTH OF FIFTY FEET. WIDTH SHALL BE A MINIMUM WIDTH OF TWELVE FEET OR AS NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS.
3. THE SITE ACCESS SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING.

3 / C6.1 STABILIZED CONSTRUCTION SITE ACCESS — NO SCALE

MAINTENANCE/REPAIRS OF BMP FAILURE SHALL BEGIN WITHIN 72 HOURS OF IDENTIFICATION AND CHANGES SHALL BE COMPLETED PRIOR TO THE NEXT RAIN EVENT.

SEDIMENT AND EROSION CONTROL MEASURES ON SWPPP MAP ARE MINIMUM BMP'S RECOMMENDED FOR COMPLIANCE. CONSTRUCTION SITE MUST BE MONITORED AND BMP'S SHALL BE MODIFIED DEPENDING ON CONSTRUCTION SCHEDULE AND RAIN EVENTS.

MONITORING SCHEDULE

1. WITHIN 2 BUSINESS DAYS (48 HOURS) PRIOR TO EACH QUALIFYING RAIN EVENT.
2. EVERY 24 HOURS DURING A QUALIFYING RAIN EVENT.
3. WITHIN 2 BUSINESS DAYS (48 HOURS) AFTER EACH QUALIFYING RAIN EVENT RESULTING IN 0.50 INCHES OF RAIN OR MORE.
4. RECORD THE TIME, DATE AND RAIN GAUGE READING OF ALL QUALIFYING RAIN EVENTS.
5. QUARTERLY NON-STORM WATER DISCHARGE INSPECTIONS.
6. WEEKLY INSPECTIONS.

ADD TO MAP AS LOCATED IN THE FIELD

- CONSTRUCTION TRAILER.
- VEHICLE/EQUIPMENT MAINTENANCE AND FUELING AREA.
- COVERED WASTE STORAGE (DUMPSTERS).
- STAGE — STAGING AREA
- MATERIAL STORAGE
- SP — SOIL STOCKPILES.
- CWO — CONCRETE WASHOUT.

PHASE OF CONSTRUCTION	EROSION AND SEDIMENT CONTROL MEASURES																		
	WET SEASON					WET & DRY SEASON													
	HYDRO-SEEDING	STRAW MULCHING TACTIFIER	SOIL BINDERS	PRESERVATION OF EXISTING VEGITATION	BLANKETS MATS & GEOTEXTILES	FIBER ROLLS	DUST CONTROL	OUTLET PROTECTION	SILT FENCING	SAND/GRAVEL BAG BARRIERS	STORM DRAIN INLET PROTECTION	SEDIMENT BASIN	SEDIMENT TRAP	DEWATERING	STABILIZED CONSTRUCTION ENTRANCE	MATERIAL & WASTE DISPOSAL LOCATION	CONCRETE WASHOUT
PRE-GRADING	X	X		X			X		N/A			N/A	N/A						
CUT-FILL ACTIVITIES	X	X	X	X	X	X	X			X	X		X	X	X	X			
UNDERGROUND WORK	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X		
STORM IMPROVEMENTS	X		X	X	X	X	X	X		X	X		X	X	X	X	X		
CURB AND GUTTER	N/A		X	X	X	X	X	X		X	X			X	X	X	X		
STREET IMPROVEMENTS			X	X	X	X	X	X		X	X			X	X	X	X		
PAVE OUT				X	X		X	X		X	X			X			X		
POST CONSTRUCTION			X	X	X														
MAINTENANCE SCHEDULE																			
DAILY*																			
WEEKLY*		X	X		X	X		X		X	X				X	X	X		
MONTHLY*																			
BEFORE RAIN		X	X		X	X		X		X	X								
DURING RAIN		X	X		X	X		X		X	X								
AFTER RAIN		X	X		X	X		X		X	X								
AS NEEDED				X			X							X					

* = WHEN RAIN EVENT INSPECTIONS OCCURS, THEY MAY QUALIFY AS A DAILY, WEEKLY, OR MONTHLY INSPECTION AS APPLIES.

GRAPHIC SCALE

40' 0 20' 40' 80'

(IN FEET) 1 inch = 40 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

FILENAME: I: \25-080\CIVIL\DWG\25-080-C61.DWG

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

8779 Cook Riolo Road,
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DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER — ANTHONY J. TASSANO — No. C74696 — STATE OF CALIFORNIA — 04/10/2026

WCE

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916.329.4000

LICENSED ARCHITECT — MARK A. LEWIS — No. C 26867 — RENEWAL DATE: 1/31/2027 — STATE OF CALIFORNIA

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

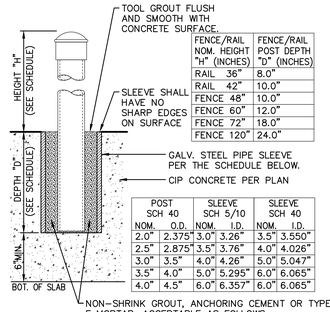
JOB NO.: Y2514.00

SHEET TITLE

EROSION CONTROL PLAN

SHEET NO.

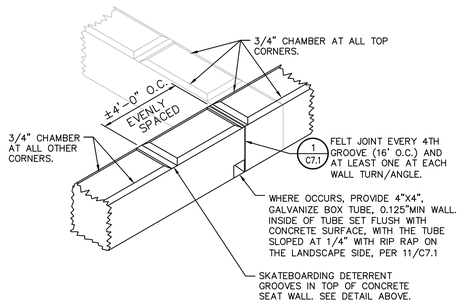
C6.1



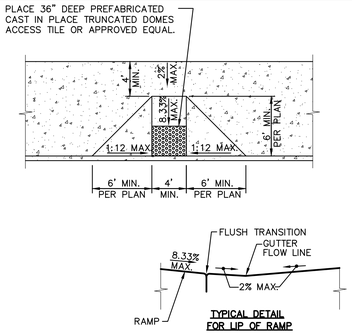
FENCE/RAIL NOM. HEIGHT "H" (INCHES)	FENCE/RAIL POST DEPTH "D" (INCHES)
RAIL 36"	8.0"
RAIL 42"	10.0"
FENCE 48"	10.0"
FENCE 60"	12.0"
FENCE 72"	18.0"
FENCE 120"	24.0"

POST SCH 40 NOM.	POST SCH 40 O.D.	SLEEVE SCH 5/10 NOM.	SLEEVE SCH 5/10 I.D.	SLEEVE SCH 40 NOM.	SLEEVE SCH 40 I.D.
2.0"	2.375"	3.0"	3.26"	3.5"	3.550"
2.5"	2.875"	3.5"	3.76"	4.0"	4.026"
3.0"	3.5"	4.0"	4.26"	5.0"	5.047"
3.5"	4.0"	5.0"	5.295"	6.0"	6.065"
4.0"	4.5"	6.0"	6.357"	6.0"	6.065"

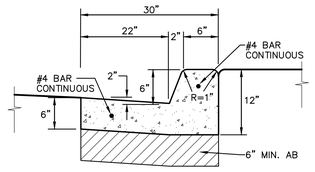
16 / C7.1 POST SLEEVE DETAIL — NO SCALE



13 / C7.1 ANTI SKATE GROOVES — FINISH SIMILAR TO 1/2LL501 — NO SCALE

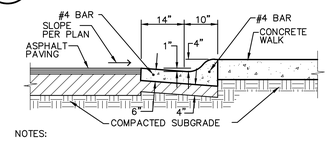


9 / C7.1 ACCESSIBLE RAMP — NO SCALE



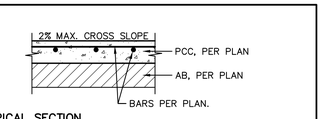
NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS. SEAL E.J. WITH APPROVED JOINT SEALANT.
2. AT E.J. USE 1/2"X24"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

4 / C7.1 CONCRETE CURB AND GUTTER — NO SCALE

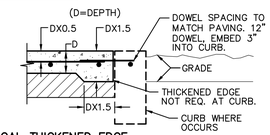


NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. SEAL E.J. WITH APPROVED JOINT SEALANT. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
2. AT E.J. USE 1/2"X24"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

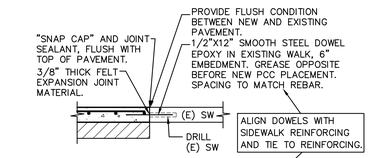
5 / C7.1 ROLLED CURB AND GUTTER — NO SCALE



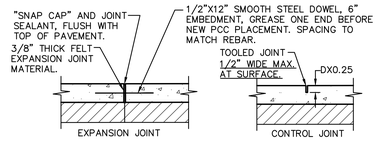
TYPICAL SECTION



TYPICAL THICKENED EDGE



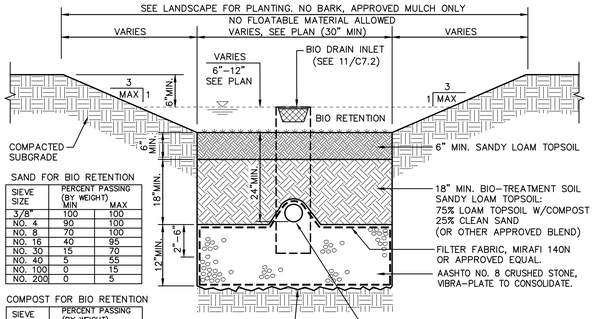
CONNECTION TO (E) CONCRETE



TYPICAL JOINTS

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

1 / C7.1 CONCRETE SIDEWALK — NO SCALE



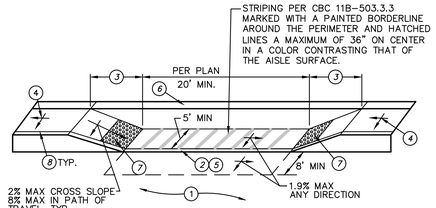
SAND FOR BIO RETENTION

SIEVE SIZE	PERCENT PASSING (BY WEIGHT) MIN	MAX
3/8"	100	100
NO. 4	90	100
NO. 8	70	100
NO. 16	40	95
NO. 30	15	70
NO. 40	5	55
NO. 100	0	15
NO. 200	0	5

COMPOST FOR BIO RETENTION

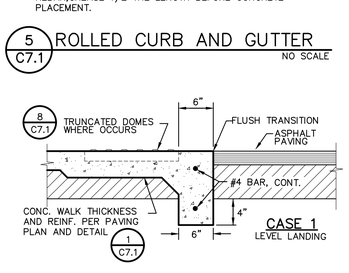
SIEVE SIZE	PERCENT PASSING (BY WEIGHT) MIN	MAX
1"	99	100
1/2"	90	100
1/4"	40	90
NO. 200	2	10

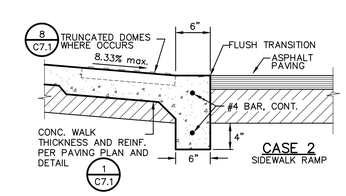
14 / C7.1 BIO RETENTION CROSS SECTION — NO SCALE



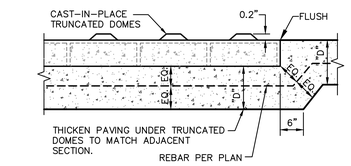
8 / C4.1

10 / C7.1 LOADING/UNLOADING ZONE — NO SCALE

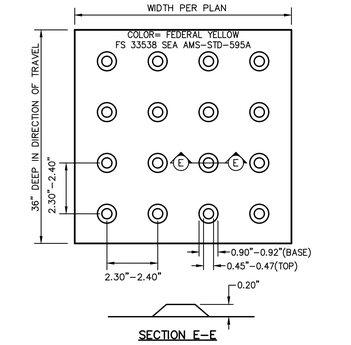




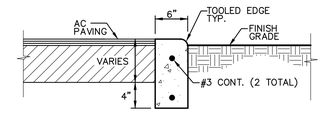
6 / C7.1 FLUSH CONCRETE EDGE — NO SCALE



7 / C7.1 SLAB AT TRUNCATED DOMES — NO SCALE

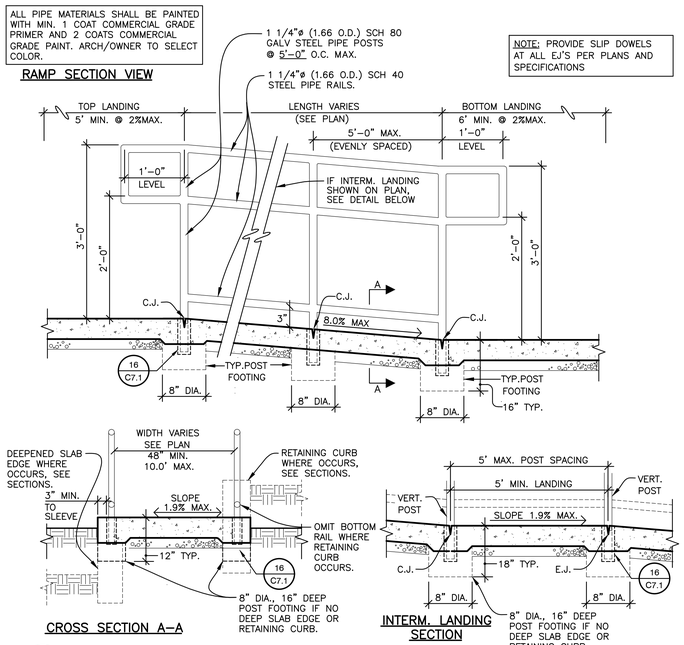


8 / C7.1 TRUNCATED DOMES — NO SCALE

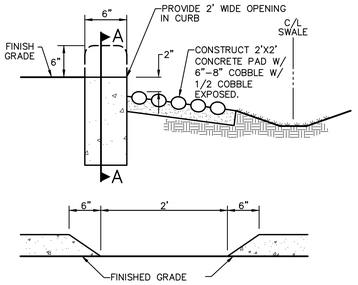


NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE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

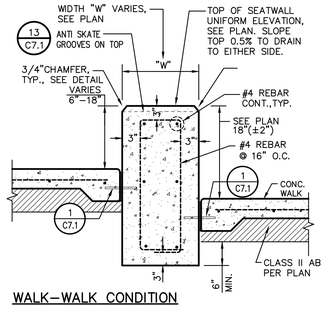
3 / C7.1 FLUSH CONCRETE CURB — NO SCALE



5 / C8.4 ACCESSIBLE RAMP AND HANDRAILINGS — NO SCALE



11 / C7.1 SLOTTED CURB DETAIL — NO SCALE



WALK-WALK CONDITION

12 / C7.1 CONCRETE SEATWALL — FINISH SIMILAR TO 1/2LL501 — NO SCALE

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL
CAMPUS EXPANSION
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DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER ANTHONY J TASSANO No. C74696 STATE OF CALIFORNIA 04/30/26

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CONSULTANT

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916.329.4000

LICENSED ARCHITECT JAMES M. HALL No. C 26867 RENEWAL DATE: 1/31/2027 STATE OF CALIFORNIA
ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

DETAILS

SHEET NO.

C7.1

FILENAME: I: \25-080\CIVIL\DWG\25-080-C71-C72.DWG

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

30 INCHES MAXIMUM

NO DUMPING!
FLOWS TO CREEK

12 / C7.2 STORMWATER STAMP/PLAQUE
OTHER STYLES OK WITH APPROVAL — NO SCALE

REQUIRED BEARING AREAS IN SQ. FT.

INSTALLATION	FITTING TYPE	PIPE SIZES 4"	6"	8"	10"	12"
	90° ELL	3	6	10	14	20
	45° ELL	2	3	5	8	11
	22.5° ELL	1	2	3	4	5
	11.25° ELL	1	1	2	2	3
	TEE	2	4	7	10	14
	DEAD END	2	4	7	10	14
GATE VALVE 4" OR LARGER						
	#4 BARS, TRENCH KEY 6" MIN.	2	4	7	10	14

VERTICAL THRUST BLOCKS REQUIRED
CONCRETE VOLUME, IN CU.

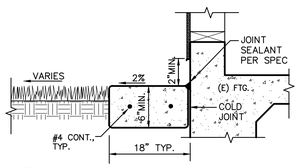
INSTALLATION	FITTING TYPE	PIPE SIZES 4"	6"	8"	10"	12"
	90° ELBOW	1.3	2.6	4.5	6.8	9.6
	45° ELL	0.7	1.4	2.4	3.7	5.2
	22.5° ELL	0.3	0.7	1.2	1.9	2.6
	11.25° ELL	0.2	0.4	0.6	0.9	1.3
	REDUCER	0.7	0.7	1.2	1.8	2.6

W/ MIN. 2 #5 REBAR TIES, TYP.

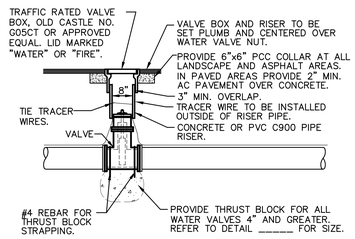
NOTES

1. THRUST BLOCKS ARE TO BE CONSTRUCTED OF 2500 PSI CONCRETE MIN.
2. AREAS IN TABLE HAVE BEEN DERIVED USING A WATER PRESSURE OF 200 POUNDS PER SQUARE INCH (13.8 BARS) AND SOIL RESISTANCE OF 2000 POUNDS PER SQUARE FOOT (137.9 BARS).
3. BLOCKING TO BE POURED AGAINST UNDISTURBED SOIL, 12 INCH THICK MINIMUM.
4. THRUST BLOCKS ARE TO BE FREE, SEPARATE AND INDEPENDENT OF ADJACENT OR NEARBY THRUST BLOCKS.
5. WRAP ALL FITTINGS BEFORE PLACING CONCRETE.

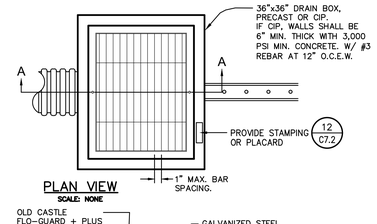
13 / C7.2 THRUST BLOCKS
NO SCALE



14 / C7.2 CONCRETE APRON
NO SCALE



9 / C7.2 WATER VALVE
NO SCALE

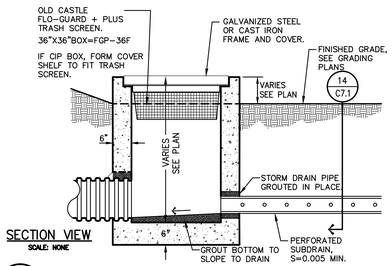


1. FIRE HYDRANT, 4 1/2 INCH OUTLET SHALL FACE THE STREET. BOLTS ATTACHING FIRE HYDRANT TO BURY SECTION OR SPOOL SHALL BE OF THE BREAK-OFF TYPE, HEX HEAD, HEAVY AMERICAN STANDARD. HYDRANT SHALL BE LOCATED AT PROPERTY LINES, OUTSIDE OF CURB RETURN AREAS AND AT LEAST 3 FEET FROM DRIVEWAYS.
2. BREAK OFF CHECK VALVE CLOW LBI 400A OR APPROVED EQUAL. BREAK-OFF GROOVE TO BE ABOVE CONCRETE. POLYWRAP SPOOL BELOW CONCRETE PAD.
3. BURY SECTION. FLANGED X MECHANICAL JOINT. (USE RESTRAINING GLAND IF REQUIRED.) POLYWRAP.
4. CLASS "A" (SIX SACK) CONCRETE THRUST BLOCK IF LATERAL HAS UNRESTRAINED JOINTS. (SEE DETAIL #W-5).
5. 6" PVC C900 OR DUCTILE IRON C151. POLYWRAP DUCTILE IRON PIPE.
6. 6" RESILIENT WEDGE GATE VALVE. FLANGED X MECHANICAL JOINT (USE RESTRAINING GLAND IF REQUIRED). POLYWRAP.
7. TEE WITH FLANGED CONNECTION FOR VALVE. POLYWRAP.
8. 8" PVC RISER. MUST BE PLUMB WITHIN 1 INCH.
9. CHRISTY TYPE G-5 TRAFFIC BOX. LID SHALL READ "WATER".
10. 4" MIN. THICKNESS CONCRETE PAD, 24"X24" SQUARE. CENTER FIRE HYDRANT IN PAD, SLOPE PAD TO MATCH SIDEWALK, CURB, OR FINISHED GRADE. (TYP. 2%)
11. REFLECTIVE BLUE MARKER (TYPE DB). AT INTERSECTIONS, TWO MARKERS SHALL BE INSTALLED PERPENDICULAR TO FIRE HYDRANT ON EACH STREET AND 12 INCHES INSIDE OF CENTERLINE.
12. TRACER WIRE.
13. PROVIDE EXTENSION IF OPERATING NUT EXCEEDS MAXIMUM OF FOUR (4) FEET FROM FINISHED GRADE. EXTENSION SHALL INCLUDE A STEADYING PLATE.
14. CONCRETE COLLAR WITH LAMP BLACK FINISH.

NOTES:
1. ALL NUTS, BOLTS, AND WASHERS ON FLANGED FITTINGS SHALL BE STAINLESS STEEL. PIPE AND FITTINGS SHALL BE WRAPPED AND BEDDED IN SAND.
2. WHERE NO R/W OR EASEMENT EXIST BEHIND NEW OR EXISTING SIDEWALK INSTALL CENTER OF FIRE HYDRANT 18" BEHIND FACE OF CURB.
3. CONCRETE SHALL BE CLASS "A".
4. FIRE HYDRANT SHALL BE SPRAY PAINTED AS PER SPECS.
5. LOWEST OUTLET OF FIRE HYDRANT SHALL HAVE A MIN. OF 20" CLEARANCE TO ADJACENT CONCRETE SURFACE.

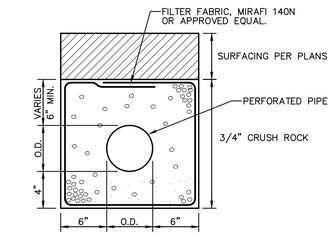
10 / C7.2 FIRE HYDRANT DETAIL
NO SCALE

PLAN VIEW
SCALE: NONE

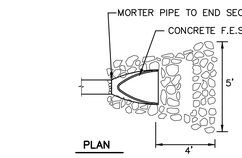


SECTION VIEW
SCALE: NONE

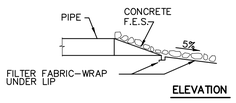
11 / C7.2 BIO-RETETION INLET - TYPE 1
NO SCALE



5 / C7.2 SUBDRAIN TRENCH DETAIL
NO SCALE



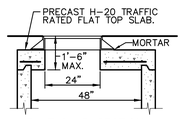
PLAN



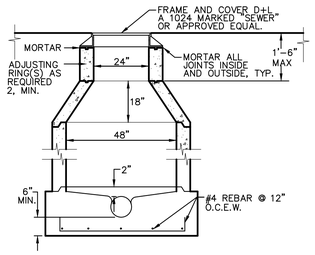
ELEVATION

NOTES:
1. HAND PLACE ROCK.
2. ALL ROCK SHALL BE ANGULAR AND HAVE TWO FACES.
3. WHERE SLOPES OF OUTLET EXCEEDS 5% A SEDIMENT BOWL OR ENERGY DISSIPATER SHALL BE REQUIRED.

6 / C7.2 OUTFALL STRUCTURE
NO SCALE

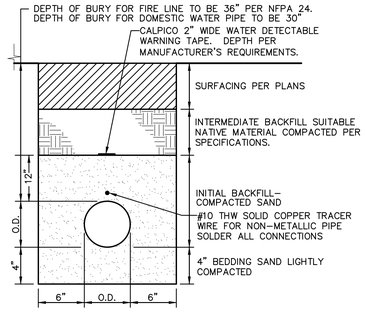


FLAT SLAB SECTION

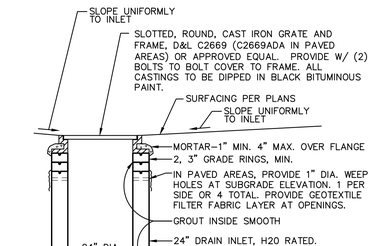


NOTES:
1. RISER SECTIONS, CONES, AND ADJUSTING RING SHALL CONFORM TO ASTM DESIGNATION C-478.
2. FRAME SHALL BE SECURED TO RISER OR FLAT SLAB TOP WITH CEMENT MORTAR.
3. CONCRETE BASE MAY BE CAST-IN-PLACE AND POURED AGAINST UNDISTURBED MATERIAL OR PRE-CAST CONCRETE BASE ON 4" MIN. 3/4" CRUSHED ROCK PLACED ON UNDISTURBED MATERIAL.
4. ALL JOINTS SHALL BE SEALED WITH GROUT AND INSIDE OF MANHOLE SHALL BE GROUTED SMOOTH.
5. FLEXIBLE CONNECTORS SHALL BE INSTALLED ON BOTH INFLOW AND OUTFLOW PIPES PER CA. PLUMBING CODE 719.6.
6. FLAT SLAB SHALL BE USED WHEN DEPTH DOES NOT PERMIT USE OF TAPER UNIT. FLAT SLAB SHALL BE TRAFFIC RATED.

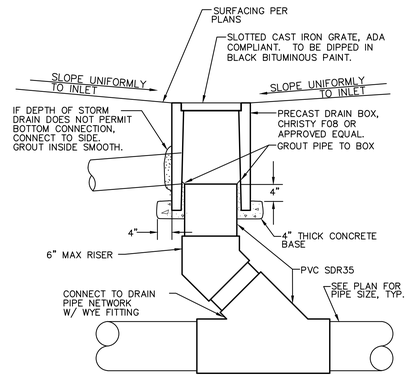
7 / C7.2 SANITARY SEWER MANHOLE
NO SCALE



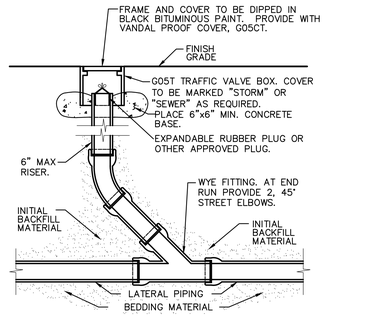
8 / C7.2 WATER TRENCH
NO SCALE



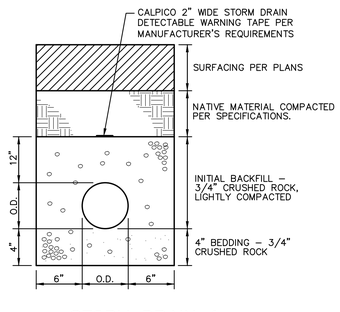
1 / C7.2 DROP INLET
NO SCALE



2 / C7.2 AREA DRAIN
NO SCALE



3 / C7.2 CLEANOUT
NO SCALE



4 / C7.2 STORM DRAIN & SEWER TRENCH
NO SCALE

INCREMENT NO. 1

BID SET

AGENCY APPROVAL — DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION
8779 Cook Riolo Road, Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

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

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916.329.4000
ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

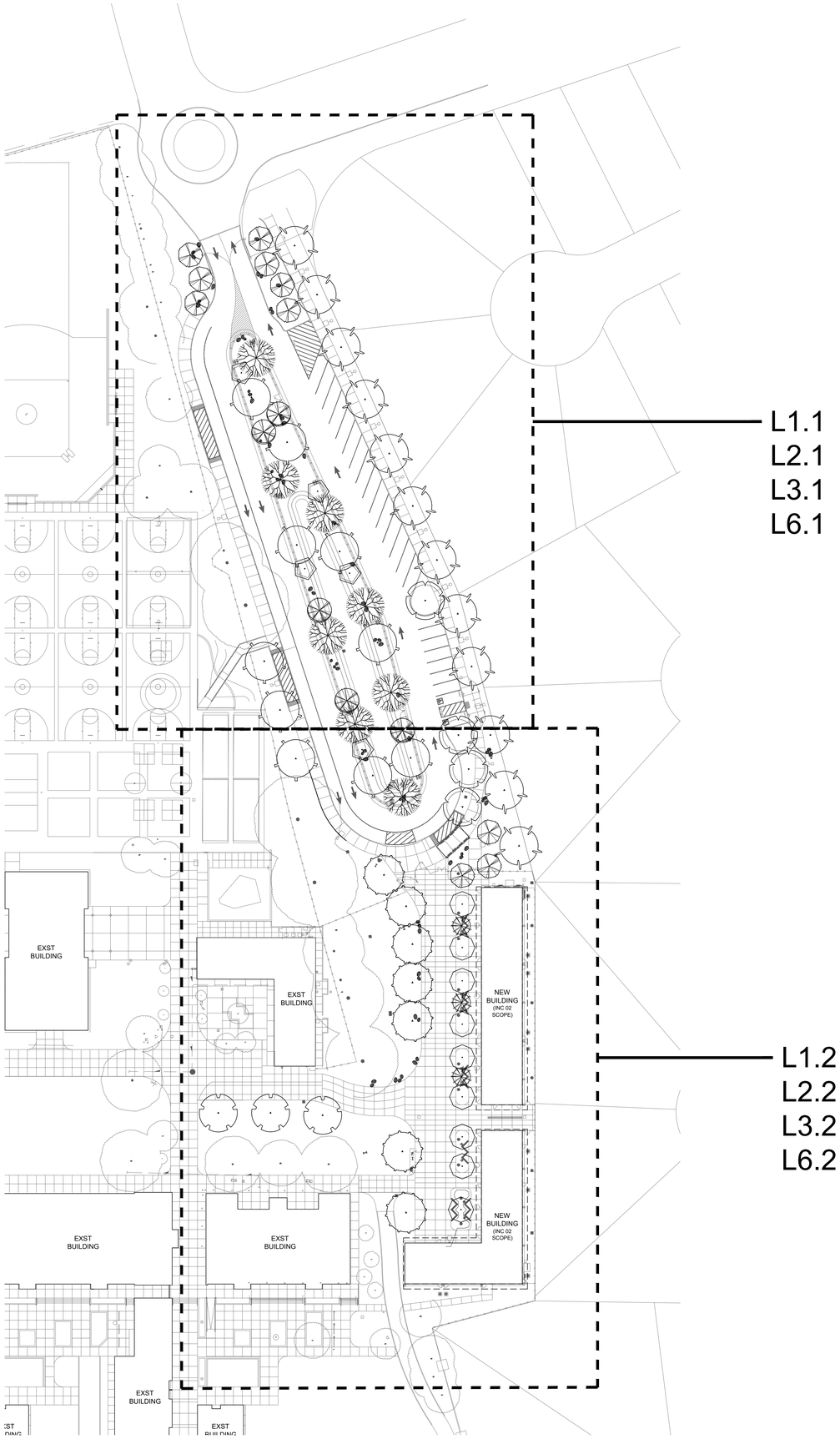
DETAILS

SHEET NO.

C7.2

FILENAME: I:\25-080\CIVIL\DWG\25-080-C71-C72.DWG

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT



40' 20' 0 40' 80'

SCALE: 1"= 40'-0"

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL
CAMPUS EXPANSION

8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

25-42

MTW group
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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

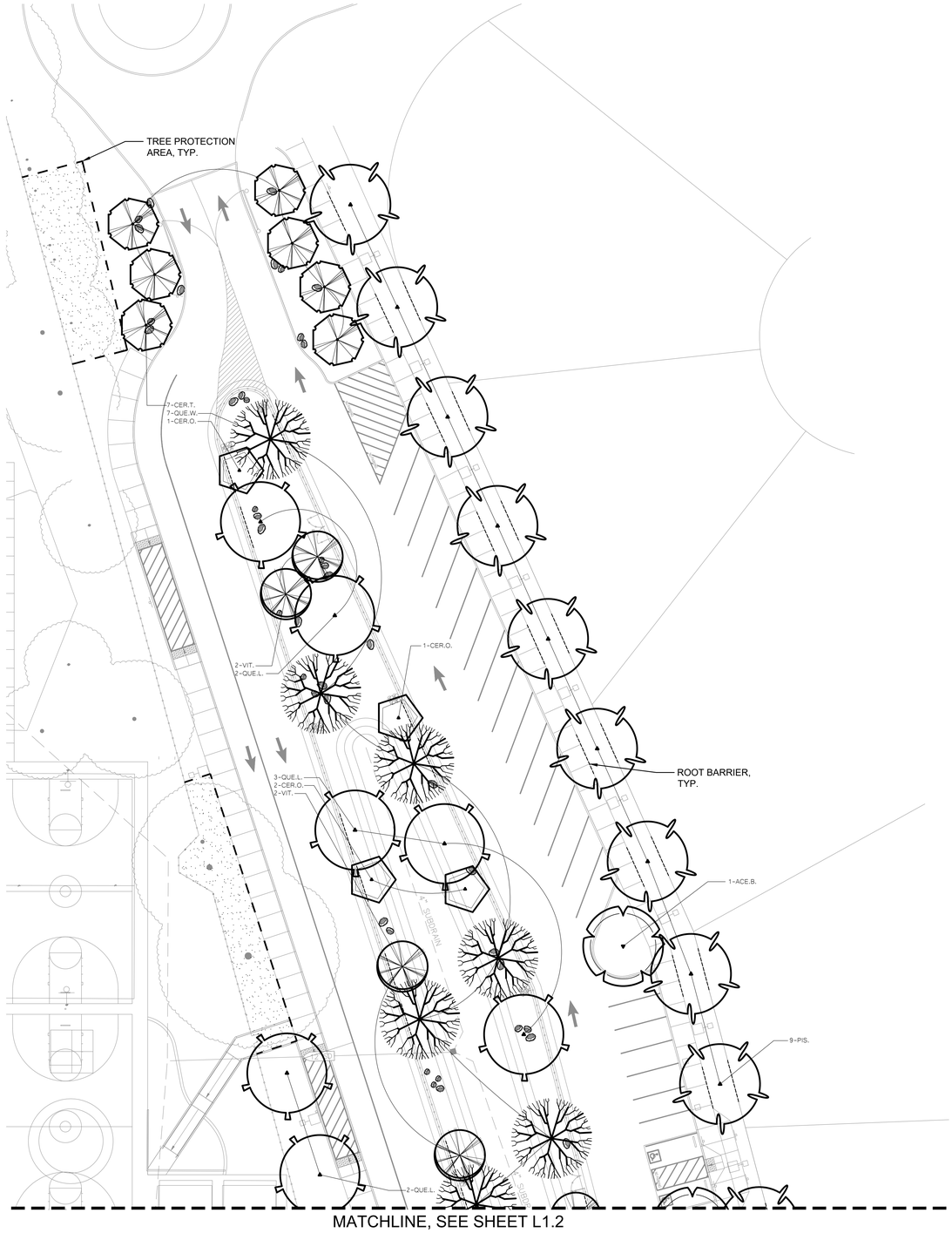
JOB NO.: Y2514.00

SHEET TITLE

OVERALL LANDSCAPE PLAN

SHEET NO.

L1.0



KEY / TREE LEGEND

- TREES - NOT ALL SYMBOLS SHOWN
- ROOT BARRIER, INSTALL WHERE SHOWN ON PLANS
  SEE DETAIL 2/L4.1
- 7-AAA — PLANT QUANTITY / PLANT KEY
- LANDSCAPE BOULDERS
  SEE DETAIL 6/L4.1
- EXISTING TREES TO REMAIN
- EXISTING TREE PROTECTION AREA:
  THE PROTECTION AREA UNDER ANY EXISTING TREE THAT IS TO REMAIN IS DEFINED BY ITS DRIP LINE OR CANOPY COVER. WITHIN THIS AREA NO STORAGE OR PARKING WILL BE PERMITTED. ALL TRENCHING WILL BE PERFORMED BY HAND. DO NOT CUT ROOTS 1" IN DIAMETER OR LARGER. USE BORING PROCEDURES WHEN ENCOUNTERING ROOTS 1" SIZE AND LARGER. NO ROOTS ARE TO BE EXPOSED LONGER THAN 48 HOURS.
  SEE DETAIL 7 AND 8/L4.1

TREE MATERIAL LIST

SIZE	QTY.	KEY	BOTANICAL NAME ... COMMON NAME	WATER USE
			TREES:	
24" BOX	4	ACE.B.	ACER BUERGERIANUM ... TRIDENT MAPLE	MEDIUM
24" BOX	7	ACE.R.	ACER RUBRUM 'OCTOBER GLORY' ... OCTOBER GLORY RED MAPLE	MEDIUM
24" BOX	3	ACE.P.	ACER PALMATUM 'SANGO KAKU' ... CORAL BARK JAPANESE MAPLE	MEDIUM
24" BOX	5	CER.O.	CERCIS OCCIDENTALIS ... WESTERN REDBUD	LOW
24" BOX	10	CER.T.	CERCIS CANADENSIS VAR. 'TEXENSIS' ... TEXAS REDBUD	LOW
24" BOX	3	PLA.	PLATANUS ACERIFOLIA 'COLUMBIA' ... COLUMBIA LONDON PLANE TREE	MEDIUM
24" BOX	12	PIS.	PISTACIA CHINENSIS 'KEITH DAVEY' ... KEITH DAVEY CHINESE PISTACHE	LOW
24" BOX	10	QUE.L.	QUERCUS LOBATA ... VALLEY OAK	LOW
24" BOX	8	QUE.W.	QUERCUS WISLIZENI ... INTERIOR LIVE OAK	LOW
24" BOX	5	VIT.	VITEX AGNUS-CASTUS ... CHASTE TREE	LOW
24" BOX	9	ZEL.	ZELKOVA SERRATA 'MUSASHINO' ... MUSASHINO COLUMNAR ZELKOVA	MEDIUM

GENERAL LANDSCAPE REQUIREMENTS/NOTES

1. NO PLANTING SHALL BE STARTED UNTIL SPRINKLER IRRIGATION SYSTEM HAS BEEN TESTED BY CONTRACTOR IN PRESENCE OF OWNER'S REPRESENTATIVE AND NOTED DEFICIENCIES CORRECTED.
2. NO PLANTING SHALL BE STARTED UNTIL SOIL PREPARATION AND FINISH GRADING OPERATIONS HAVE BEEN COMPLETED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
3. QUANTITIES SHOWN ON PLANT MATERIAL LIST ARE APPROXIMATE. PROVIDE QUANTITIES INDICATED ON LANDSCAPE PLAN.
4. PLANT MATERIAL IS SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.
5. SEE SHEET L4.1 FOR PLANTING INSTALLATION DETAILS.

ENVIRONMENTAL REQUIREMENTS:

GENERAL: PROCEED WITH WORK IN ORDERLY AND TIMELY MANNER TO COMPLETE INSTALLATION OF LANDSCAPING WITHIN CONTRACT LIMITS.

PROTECTION:

EXISTING CONSTRUCTION: EXECUTE WORK IN AN ORDERLY AND CAREFUL MANNER TO PROTECT NEW CONCRETE WALKS, WORK OF OTHER TRADES, AND OTHER IMPROVEMENTS.

EXISTING UTILITIES: DETERMINE LOCATION OF UNDERGROUND UTILITIES AND PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE. HAND EXCAVATE, AS REQUIRED, TO MINIMIZE POSSIBILITY OF DAMAGE TO UNDERGROUND UTILITIES. MAINTAIN GRADE STAKES SET BY OTHERS UNTIL REMOVAL IS MUTUALLY AGREED UPON BY ALL PARTIES CONCERNED. BE RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES WITHIN CONSTRUCTION AREA; REPAIR DAMAGE TO UTILITIES THAT OCCUR AS A RESULT OF OPERATIONS OF THIS WORK.

LANDSCAPING: PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED AT NO ADDITIONAL COST TO CONTRACT.

ADVERSE CONDITIONS: WHEN CONDITIONS DETRIMENTAL TO SOD OR PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY OWNER'S REPRESENTATIVE BEFORE STARTING WORK.

PLANTING AND TURF INSTALLATION SEASONS AND CONDITIONS

NO WORK SHALL BE DONE WHEN GROUND IS FROZEN, SNOW COVERED, TOO WET OR IN AN OTHERWISE UNSUITABLE CONDITION FOR AMENDING SOIL, FINISH GRADING OR PLANTING.

SOIL TESTING/SOIL IMPROVEMENT:

SEE SPECIFICATIONS 32 90 00, SECTION 3.02 SOIL TESTING AND SECTION 3.03 PREPARATION.

SOIL PERCOLATION

EXCAVATE 10 PLANTING PITS IN RANDOM AREAS OF SITE. FILL EXCAVATED PLANTING PITS WITH WATER TO 1/2 DEPTH OF PIT. PITS SHOULD DRAIN WITHIN 4 HOURS. IF PLANTING PITS DO NOT DRAIN, NOTIFY INSPECTOR IMMEDIATELY. PLANTING SHALL NOT BE STARTED UNTIL OWNER'S REPRESENTATIVE HAS RESOLVED A METHOD TO REMEDY DRAINAGE ISSUE.

PLANT MATERIAL STANDARDS

PLANTS SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ANSI Z60.1- AMERICAN STANDARD FOR NURSERY STOCK, EXCEPT AS OTHERWISE STATED IN SPECIFICATIONS OR SHOWN ON DRAWINGS. WHERE DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT WITH ANSI Z60.1, DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. PRUNE, THIN OUT AND SHAPE TREES IN ACCORDANCE WITH ANSI STANDARD HORTICULTURAL PRACTICE. PRUNE TREES TO RETAIN REQUIRED HEIGHT AND SPREAD, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT, DO NOT CUT TREE LEADERS, AND REMOVE ONLY INJURED OR DEAD BRANCHES FROM FLOWERING TREES.

EXISTING LANDSCAPE AND SPRINKLER IRRIGATION SYSTEM

WORK LIMITS OF THIS PROJECT EXTEND INTO AREAS THAT WERE PREVIOUSLY DEVELOPED UNDER OTHER CONTRACTS. PRIOR TO START OF WORK, CONTRACTOR SHALL MEET WITH OWNER'S REPRESENTATIVE TO LOCATE ALL CONNECTIONS CALLED FOR ON DRAWINGS. WORK LIMITS/FENCING SHALL BE LAID OUT BY CONTRACTOR AND VERIFIED BY OWNER'S REPRESENTATIVE. FENCE TO BE INSTALLED AND IRRIGATION SYSTEM SHALL BE TESTED WITH CONTRACTOR, INSPECTOR, AND OWNER'S REPRESENTATIVE PRESENT. DEFICIENCIES SHALL BE NOTED AT THIS TIME AND ARE THE RESPONSIBILITY OF OWNER. AT COMPLETION OF WORK, SYSTEM WILL AGAIN BE TESTED, DEFICIENCIES NOTED AT THIS TIME THAT WERE NOT NOTED PREVIOUSLY WILL BE RESPONSIBILITY OF CONTRACTOR. EXISTING LANDSCAPE THAT HAS BEEN DAMAGED DUE TO CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER, PRIOR TO MAKING ANY CONNECTION TO MAIN LINE, CONTRACTOR SHALL NOTIFY OWNER 1 WEEK IN ADVANCE SO ADJUSTMENTS TO EXISTING WATERING PROGRAMS CAN BE MADE.

20' 10' 0 20' 40'

SCALE: 1"= 20'-0"

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

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DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

25-42

MTW group
LANDSCAPE ARCHITECTURE AND PLANNING
2707 K Street, Suite 201
Sacramento, CA 95816
916 369-3990

LICENSED LANDSCAPE ARCHITECT — WILLIAM HOLLIS MILLER — 3453 — 12/17/25 — 7/31/27 — STATE OF CALIFORNIA

CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000

REGISTERED ARCHITECT — WILLIAM J. MALTESTA — LIC. NO. C 26867 — RENEWAL DATE: 1/31/2027 — STATE OF CALIFORNIA

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

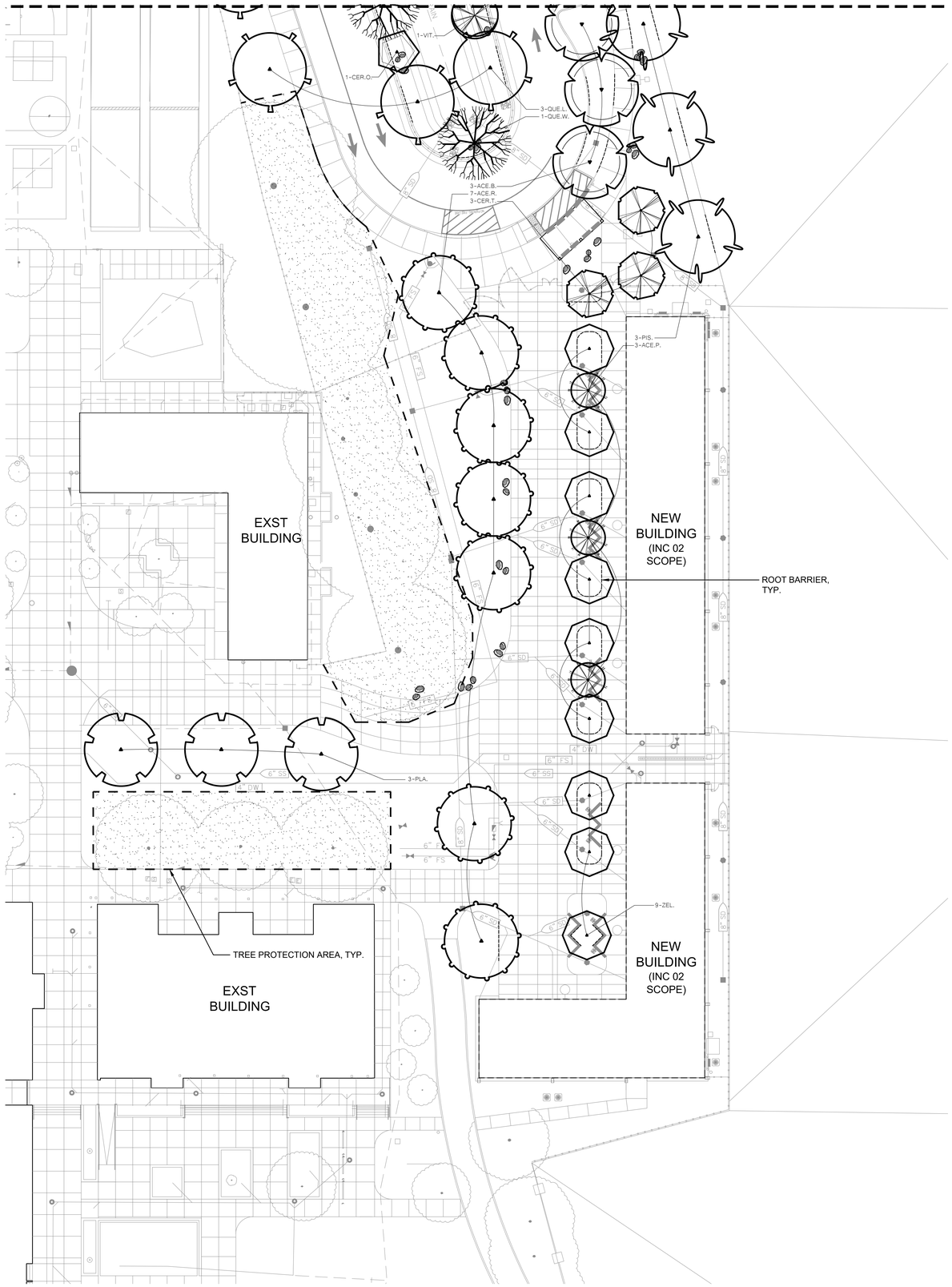
JOB NO.: Y2514.00

SHEET TITLE

TREE PLANTING PLAN

SHEET NO.

L1.1



KEY | TREE LEGEND

- TREES - NOT ALL SYMBOLS SHOWN
- ROOT BARRIER, INSTALL WHERE SHOWN ON PLANS
  SEE DETAIL 2/L4.1
- 7-AAA — PLANT QUANTITY / PLANT KEY
- LANDSCAPE BOULDERS
  SEE DETAIL 6/L4.1
- EXISTING TREES TO REMAIN
- EXISTING TREE PROTECTION AREA:
  THE PROTECTION AREA UNDER ANY EXISTING TREE THAT IS TO REMAIN IS DEFINED BY ITS DRIP LINE OR CANOPY COVER. WITHIN THIS AREA NO STORAGE OR PARKING WILL BE PERMITTED. ALL TRENCHING WILL BE PERFORMED BY HAND. DO NOT CUT ROOTS 1" IN DIAMETER OR LARGER. USE BORING PROCEDURES WHEN ENCOUNTERING ROOTS 1" SIZE AND LARGER. NO ROOTS ARE TO BE EXPOSED LONGER THAN 48 HOURS.
  SEE DETAIL 7 AND 8/L4.1

TREE MATERIAL LIST

SIZE	QTY.	KEY	BOTANICAL NAME ... COMMON NAME	WATER USE
			TREES:	
24" BOX	4	ACE.B.	ACER BUERGERIANUM ... TRIDENT MAPLE	MEDIUM
24" BOX	7	ACE.R.	ACER RUBRUM 'OCTOBER GLORY' ... OCTOBER GLORY RED MAPLE	MEDIUM
24" BOX	3	ACE.P.	ACER PALMATUM 'SANGO KAKU' ... CORAL BARK JAPANESE MAPLE	MEDIUM
24" BOX	5	CER.O.	CERCIS OCCIDENTALIS ... WESTERN REDBUD	LOW
24" BOX	10	CER.T.	CERCIS CANADENSIS VAR. 'TEXENSIS' ... TEXAS REDBUD	LOW
24" BOX	3	PLA.	PLATANUS ACERIFOLIA 'COLUMBIA' ... COLUMBIA LONDON PLANE TREE	MEDIUM
24" BOX	12	PIS.	PISTACIA CHINENSIS 'KEITH DAVEY' ... KEITH DAVEY CHINESE PISTACHE	LOW
24" BOX	10	QUE.L.	QUERCUS LOBATA ... VALLEY OAK	LOW
24" BOX	8	QUE.W.	QUERCUS WISLIZENI ... INTERIOR LIVE OAK	LOW
24" BOX	5	VIT.	VITEX AGNUS-CASTUS ... CHASTE TREE	LOW
24" BOX	9	ZEL.	ZELKOVA SERRATA 'MUSASHINO' ... MUSASHINO COLUMNAR ZELKOVA	MEDIUM

GENERAL LANDSCAPE REQUIREMENTS/NOTES

1. NO PLANTING SHALL BE STARTED UNTIL SPRINKLER IRRIGATION SYSTEM HAS BEEN TESTED BY CONTRACTOR IN PRESENCE OF OWNER'S REPRESENTATIVE AND NOTED DEFICIENCIES CORRECTED.
2. NO PLANTING SHALL BE STARTED UNTIL SOIL PREPARATION AND FINISH GRADING OPERATIONS HAVE BEEN COMPLETED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
3. QUANTITIES SHOWN ON PLANT MATERIAL LIST ARE APPROXIMATE. PROVIDE QUANTITIES INDICATED ON LANDSCAPE PLAN.
4. PLANT MATERIAL IS SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.
5. SEE SHEET L4.1 FOR PLANTING INSTALLATION DETAILS.

ENVIRONMENTAL REQUIREMENTS:

GENERAL: PROCEED WITH WORK IN ORDERLY AND TIMELY MANNER TO COMPLETE INSTALLATION OF LANDSCAPING WITHIN CONTRACT LIMITS.

PROTECTION:

EXISTING CONSTRUCTION: EXECUTE WORK IN AN ORDERLY AND CAREFUL MANNER TO PROTECT NEW CONCRETE WALKS, WORK OF OTHER TRADES, AND OTHER IMPROVEMENTS.

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SOIL TESTING/SOIL IMPROVEMENT:

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SOIL PERCOLATION

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

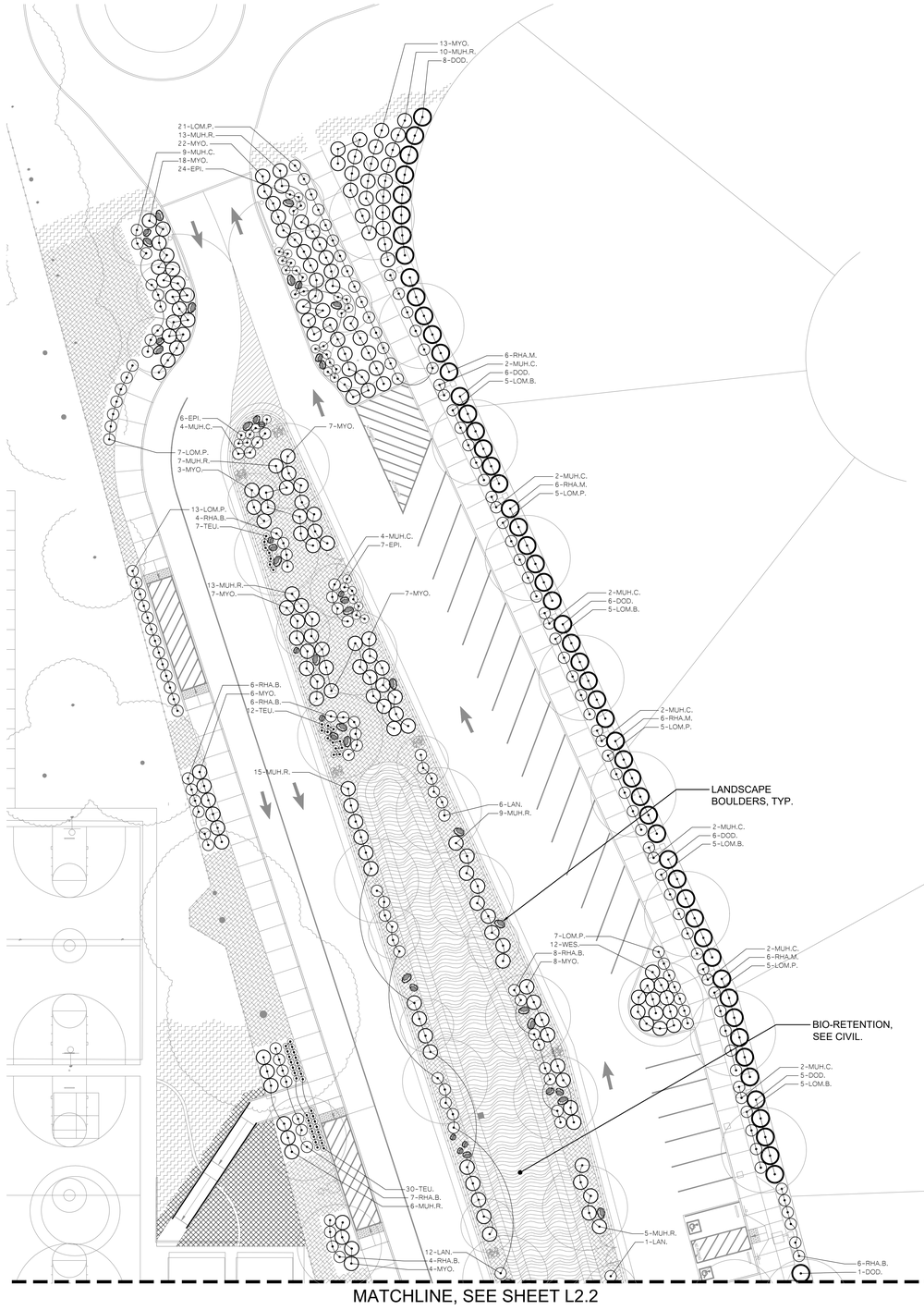
SHEET TITLE

TREE PLANTING PLAN

SHEET NO.

L1.2

ONE INCH = TWENTY FEET ... ONE-HALF INCH = ONE FOOT



MATCHLINE, SEE SHEET L2.2

KEY / LANDSCAPE LEGEND

TREE OUTLINE FOR REFERENCE

SHRUBS
ALL PLANTER AREAS TO RECEIVE 3" DEPTH OF BARK MULCH.

LAWN (SOD)

BIO-RETENTION
DELTA BLUEGRASS CO. - NATIVE PRESERVATION MIX

BARK MULCH
3" DEPTH. CLEAR AND GRUB ENTIRE AREA. INSTALL PRE-EMERGENT AND WET TO ACTIVATE.

TURF REPAIR
MINIMUM REPAIR WIDTH SHOWN.

EXISTING LANDSCAPE AND SPRINKLER AREAS TO REMAIN

LANDSCAPE BOULDERS
MANUFACTURER: THOMPSON BUILDING MATERIALS
PRODUCT: BAJA CREST
SIZE(S): 18"X24", 24"X30", & 30"X42"
TOTAL: 73
SEE DETAIL 6/L4.1

7 - AAA. PLANT QUANTITY

PLANT KEY

EXISTING TREES TO REMAIN

PLANT MATERIAL LIST

SIZE	QTY.	KEY	BOTANICAL NAME ... COMMON NAME	WATER USE
			SHRUBS:	
5 G.C.	41	AGA.	AGAPANTHUS AFRICANUS ... LILY-OF-THE-NILE	LOW
5 G.C.	39	DOD.	DODONAEA VISCOSA 'PURPUREA' ... PURPLE LEAVED HOPSEED BUSH	LOW
5 G.C.	68	EPI.	EPILOBIUM CANUM ... CALIFORNIA FUSCHIA	LOW
5 G.C.	25	LAN.	LANTANA 'NEW GOLD' ... NEW GOLD LANTANA	LOW
5 G.C.	44	LOM.B.	LOMANDRA LONGIFOLIA 'BREEZE' ... BREEZE DWARF MAT RUSH	LOW
5 G.C.	203	LOM.P.	LOMANDRA LONGIFOLIA 'PLATINUM BEAUTY' ... VARIEGATED DWARF MAT RUSH	LOW
5 G.C.	57	MUH.C.	MUHLENBERGIA CAPILLARIS ... PINK MUHLY GRASS	LOW
5 G.C.	13	MYR.	MYRTUS COMMUNIS 'COMPACTA' ... DWARF MYRTLE	LOW
5 G.C.	103	MUH.R.	MUHLENBERGIA RIGENS ... DEER GRASS	LOW
5 G.C.	51	NAN.	NANDINA DOMESTICA 'MOON BAY' ... MOON BAY HEAVENLY BAMBOO	LOW
5 G.C.	91	RHA.B.	RHAPHIOLEPIS INDICA 'BALLERINA' ... DWARF INDIA HAWTHORN	LOW
5 G.C.	36	RHA.M.	RHAMNUS CALIFORNICA 'MOUND SAN BRUNO' ... MOUND SAN BRUNO COFFEEBERRY	LOW
5 G.C.	49	TEU.	TEUCRIUM CHAMAEDRYS ... WALL GERMANDER	LOW
			GROUNDCOVER:	
1 G.C.	149	MYO.	MYOPORUM PARVIFOLIUM ... MYOPORUM	LOW
1 G.C.	66	WES.	WESTRINGIA FRUTICOSA 'LOW HORIZON' ... LOW HORIZON COAST ROSEMARY	LOW

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INCREMENT NO. 1

BID SET

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

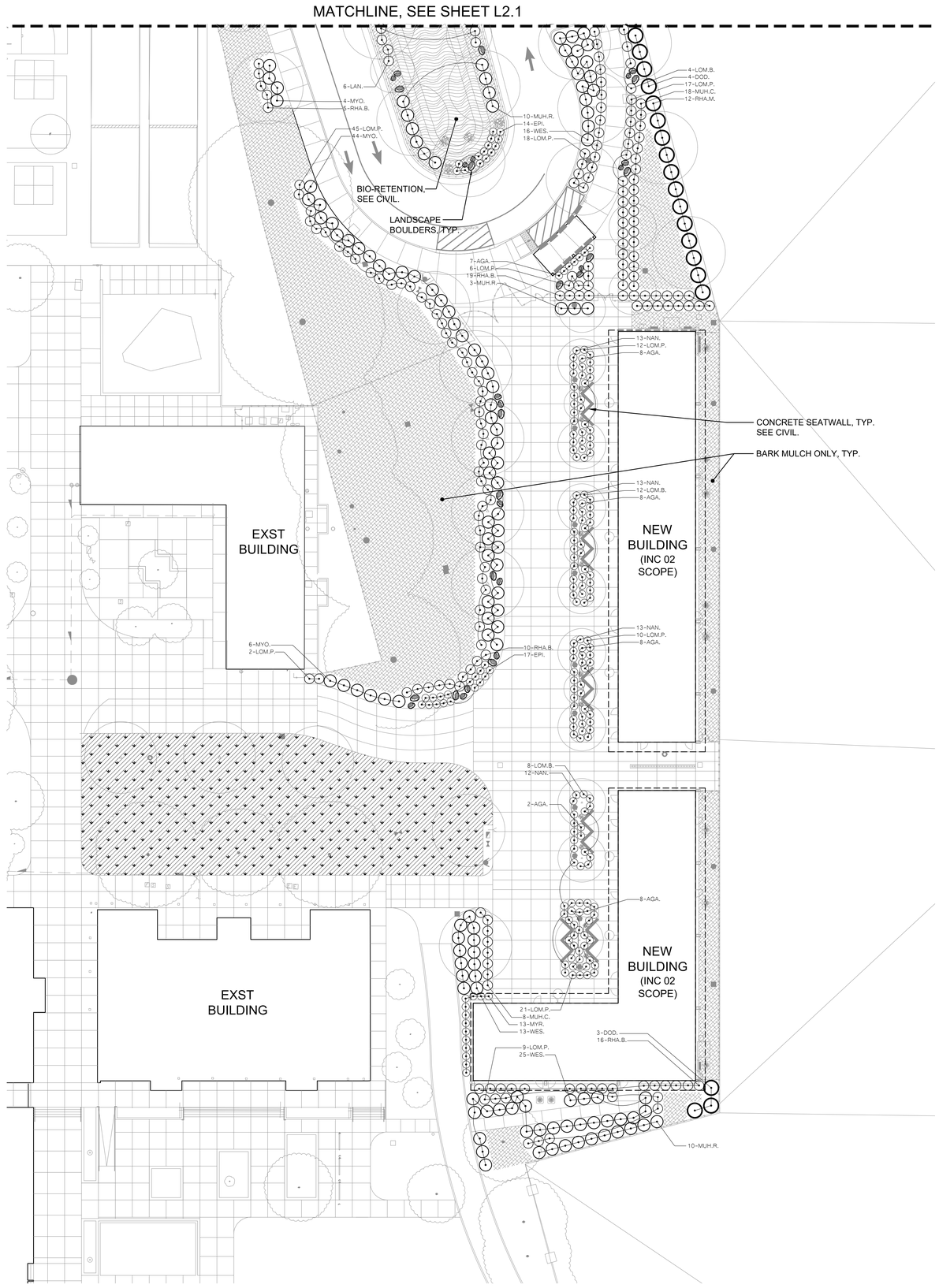
JOB NO.: Y2514.00

SHEET TITLE

SHRUB PLANTING PLAN

SHEET NO.

L2.1



KEY / LANDSCAPE LEGEND

- TREE OUTLINE FOR REFERENCE
- SHRUBS
  ALL PLANTER AREAS TO RECEIVE 3" DEPTH OF BARK MULCH.
- LAWN (SOD)
- BIO-RETENTION
  DELTA BLUEGRASS CO. - NATIVE PRESERVATION MIX
- BARK MULCH
  3" DEPTH. CLEAR AND GRUB ENTIRE AREA. INSTALL PRE-EMERGENT AND WET TO ACTIVATE.
- TURF REPAIR
  MINIMUM REPAIR WIDTH SHOWN.
- EXISTING LANDSCAPE AND SPRINKLER AREAS TO REMAIN
- LANDSCAPE BOULDERS
  MANUFACTURER: THOMPSON BUILDING MATERIALS
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  SIZE(S): 18"X24", 24"X30", & 30"X42"
  TOTAL: 73
  SEE DETAIL 6/L4.1
- 7 - AAA. PLANT QUANTITY / PLANT KEY
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3. QUANTITIES SHOWN ON PLANT MATERIAL LIST ARE APPROXIMATE. PROVIDE QUANTITIES INDICATED ON LANDSCAPE PLAN.
4. PLANT MATERIAL IS SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.
5. SEE SHEET L4.1 FOR PLANTING INSTALLATION DETAILS.

ENVIRONMENTAL REQUIREMENTS:

GENERAL: PROCEED WITH WORK IN ORDERLY AND TIMELY MANNER TO COMPLETE INSTALLATION OF LANDSCAPING WITHIN CONTRACT LIMITS.

PROTECTION:

EXISTING CONSTRUCTION: EXECUTE WORK IN AN ORDERLY AND CAREFUL MANNER TO PROTECT NEW CONCRETE WALKS, WORK OF OTHER TRADES, AND OTHER IMPROVEMENTS.

EXISTING UTILITIES: DETERMINE LOCATION OF UNDERGROUND UTILITIES AND PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE. HAND EXCAVATE, AS REQUIRED, TO MINIMIZE POSSIBILITY OF DAMAGE TO UNDERGROUND UTILITIES. MAINTAIN GRADE STAKES SET BY OTHERS UNTIL REMOVAL IS MUTUALLY AGREED UPON BY ALL PARTIES CONCERNED. BE RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES WITHIN CONSTRUCTION AREA; REPAIR DAMAGE TO UTILITIES THAT OCCUR AS A RESULT OF OPERATIONS OF THIS WORK.

LANDSCAPING: PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED AT NO ADDITIONAL COST TO CONTRACT.

ADVERSE CONDITIONS: WHEN CONDITIONS DETRIMENTAL TO SOD OR PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY OWNER'S REPRESENTATIVE BEFORE STARTING WORK.

PLANTING AND TURF INSTALLATION SEASONS AND CONDITIONS

NO WORK SHALL BE DONE WHEN GROUND IS FROZEN, SNOW COVERED, TOO WET OR IN AN OTHERWISE UNSUITABLE CONDITION FOR AMENDING SOIL, FINISH GRADING OR PLANTING.

SOIL TESTING/SOIL IMPROVEMENT:

SEE SPECIFICATIONS 32 90 00, SECTION 3.02 SOIL TESTING AND SECTION 3.03 PREPARATION.

SOIL PERCOLATION

EXCAVATE 10 PLANTING PITS IN RANDOM AREAS OF SITE. FILL EXCAVATED PLANTING PITS WITH WATER TO 1/2 DEPTH OF PIT. PITS SHOULD DRAIN WITHIN 4 HOURS. IF PLANTING PITS DO NOT DRAIN, NOTIFY INSPECTOR IMMEDIATELY. PLANTING SHALL NOT BE STARTED UNTIL OWNER'S REPRESENTATIVE HAS RESOLVED A METHOD TO REMEDY DRAINAGE ISSUE.

PLANT MATERIAL STANDARDS

PLANTS SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ANSI Z60.1- AMERICAN STANDARD FOR NURSERY STOCK, EXCEPT AS OTHERWISE STATED IN SPECIFICATIONS OR SHOWN ON DRAWINGS. WHERE DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT WITH ANSI Z60.1, DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. PRUNE, THIN OUT AND SHAPE TREES IN ACCORDANCE WITH ANSI STANDARD HORTICULTURAL PRACTICE. PRUNE TREES TO RETAIN REQUIRED HEIGHT AND SPREAD, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT. DO NOT CUT TREE LEADERS, AND REMOVE ONLY INJURED OR DEAD BRANCHES FROM FLOWERING TREES.

EXISTING LANDSCAPE AND SPRINKLER IRRIGATION SYSTEM

WORK LIMITS OF THIS PROJECT EXTEND INTO AREAS THAT WERE PREVIOUSLY DEVELOPED UNDER OTHER CONTRACTS. PRIOR TO START OF WORK, CONTRACTOR SHALL MEET WITH OWNER'S REPRESENTATIVE TO LOCATE ALL CONNECTIONS CALLED FOR ON DRAWINGS. WORK LIMITS/FENCING SHALL BE LAID OUT BY CONTRACTOR AND VERIFIED BY OWNER'S REPRESENTATIVE. FENCE TO BE INSTALLED AND IRRIGATION SYSTEM SHALL BE TESTED WITH CONTRACTOR, INSPECTOR, AND OWNER'S REPRESENTATIVE PRESENT. DEFICIENCIES SHALL BE NOTED AT THIS TIME AND ARE THE RESPONSIBILITY OF OWNER. AT COMPLETION OF WORK, SYSTEM WILL AGAIN BE TESTED, DEFICIENCIES NOTED AT THIS TIME THAT WERE NOT NOTED PREVIOUSLY WILL BE RESPONSIBILITY OF CONTRACTOR. EXISTING LANDSCAPE THAT HAS BEEN DAMAGED DUE TO CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER. PRIOR TO MAKING ANY CONNECTION TO MAIN LINE, CONTRACTOR SHALL NOTIFY OWNER 1 WEEK IN ADVANCE SO ADJUSTMENTS TO EXISTING WATERING PROGRAMS CAN BE MADE.

20' 10' 0 20' 40'

SCALE: 1"= 20'-0"

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

INCREMENT NO. 1

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AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

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Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

25-42

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LICENSED LANDSCAPE ARCHITECT 5453 CALIFORNIA 12/17/25 7/31/27 STATE OF CALIFORNIA

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LICENSED ARCHITECT JAMES M. MATTOX No. C-26867 RENEWAL DATE: 1/31/2027 STATE OF CALIFORNIA

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

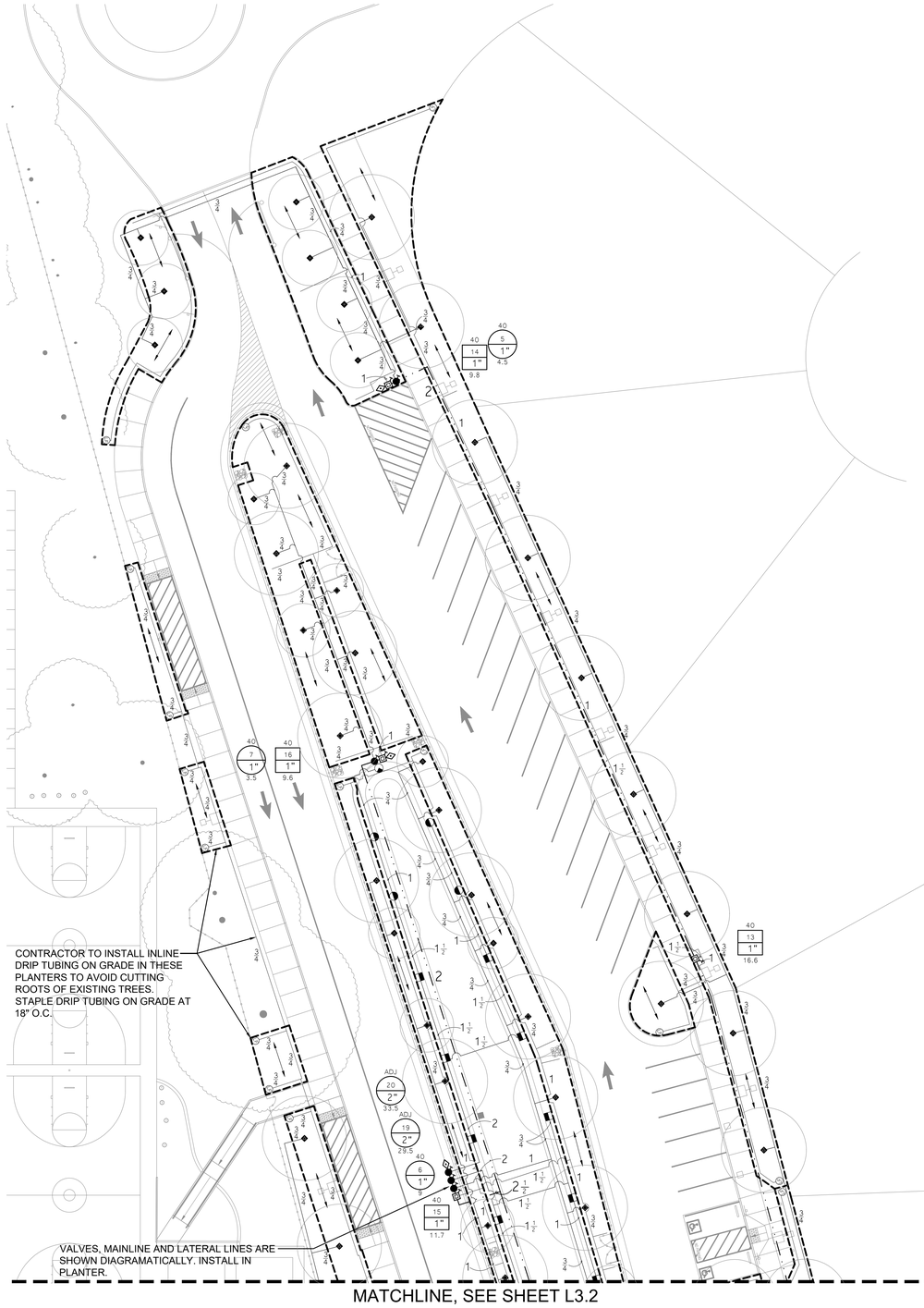
SHEET TITLE

SHRUB PLANTING PLAN

SHEET NO.

L2.2

ONE INCH = TWENTY FEET 0 20 40 60 | ONE-SIXTEENTH INCH = ONE FOOT 0 16 | ONE-EIGHTH INCH = ONE FOOT 0 8 | ONE-QUARTER INCH = ONE FOOT 0 4 | THREE-QUARTERS INCH = ONE FOOT 0 6 | ONE INCH = ONE FOOT 0 6 | ONE AND ONE-HALF INCH = ONE FOOT 0 6



KEY / SPRINKLER IRRIGATION LEGEND

AUTOMATIC CONTROLLER:
HYDROPOINT BASELINE SYSTEM
MODEL #: IC48-BL3-36/SP
CONTROLLER SHALL FUNCTION AS AN EXPANSION/SATELLITE CONTROLLER TIED INTO THE EXISTING PRIMARY 3200 IRRIGATION CONTROLLER.
CONTROLLER TO BE ASSEMBLED IN SB-16-SS STAINLESS STEEL TOP ENTRY STRONGBOX ENCLOSURE WITH ETHERNET, 36 STATION CONVENTIONAL WIRING, AND SURGE PROTECTION.

COORDINATE 110V POWER SERVICE AND ETHERNET/DATA CONNECTION WITH ELECTRICAL SUB-CONTRACTOR. CONTRACTOR TO VERIFY EXISTING CONTROLLER CONFIGURATION, AVAILABLE STATION CAPACITY, AND COMMUNICATION REQUIREMENTS PRIOR TO INSTALLATION.
CONTACT: KIM GOLDENSTEIN AT IMPERIAL TECH SERVICES: (619) 380-1833, kimgoldenstein1@gmail.com

EXISTING MASTER CONTROLLER (NOT SHOWN IN PLAN):
HYDROPOINT BASELINE 3200 SYSTEM

EXISTING BOOSTER PUMP (NOT SHOWN IN PLAN):

POINT OF CONNECTION (RECYCLED WATER):
THIS SPRINKLER IRRIGATION LEGEND IS DESIGNED TO OPERATE AT 40 PSI STATIC WATER PRESSURE AND WITH A MAXIMUM FLOW OF 48 GPM.

CONTRACTOR SHALL LOCATE EXISTING 4" MAINLINE AS INDICATED ON DRAWINGS. CONNECT AT THIS POINT AND EXTEND AS INDICATED ON DRAWINGS.

WIRE CONDUIT:
PROVIDE CONDUIT FOR 21 WIRES.
INCLUDING 18 CONTROL WIRES, 1 COMMON WIRE, AND 2 SPARE WIRES.
SIZE CONDUIT TO HAVE 50% VOID SPACE.

GATE VALVE:
TYPE:
3" SIZE AND SMALLER: LEEMCO LGT-XXSS THREADED WITH A NON-RISING STEM AND HANDWHEEL.

GATE VALVE INSTALLED IN A VALVE BOX WITH TOP OF BOX SET FLUSH TO FINISH GRADE.
GATE VALVE TO BE LINE SIZE.

PRESSURE MAIN LINE (PURPLE PIPE):
TYPE:
2 AND 3" SIZE: ASTM D1785, PVC SCHEDULE 40, PURPLE COLOR WITH LEEMCO FITTINGS.

TRENCH DEPTH:
IN PLANTED AREAS: 24" MINIMUM COVER.
UNDER PAVED AREAS: 24" MINIMUM COVER.
PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

EXISTING PRESSURE MAINLINE:

LATERAL LINE (PURPLE PIPE):
TYPE:
ASTM D1785, PVC SCHEDULE 40, PURPLE PIPE.
SOLVENT WELD ALL UNSIZED PIPE SHALL BE 3/4" SIZE.

TRENCH DEPTH:
IN PLANTED AREAS:
POP-UP SPRAY HEADS - 12" MINIMUM COVER.
ROTOR HEADS: - 18" MINIMUM COVER.
BUBBLER HEADS: - 12" MINIMUM COVER.
UNDER PAVED AREAS: 24" MINIMUM COVER.
PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

AUTOMATIC CONTROL VALVE:
RAINBIRD PEB-PRS-D (PRESSURE REGULATOR AS INDICATED ON VALVE ID).

QUICK COUPLER VALVE:
RAINBIRD 44NP. VALVES SHALL HAVE PURPLE LOCKING RUBBER COVERS, INSTALLED IN VALVE BOXES. TOP OF VALVE BOX SHALL HAVE BOLT DOWN LID AND TOP SET LEVEL TO FINISH GRADE.

LAWN POP-UP ROTOR HEADS:
2.5@0.45 1.5@0.35

FULL CIRCLE
HUNTER: I-20-06-R-SS-2.5 (BLUE NOZZLE)
GPM@N/HR SHOWN (50 PSI)

FULL CIRCLE
HUNTER: I-20-06-R-SS-1.5 (BLUE NOZZLE)
GPM@N/HR SHOWN (50 PSI)

2.5@0.45
THREE QUARTER
HUNTER: I-20-06-R-SS-2.5 (BLUE NOZZLE)
GPM@N/HR SHOWN (50 PSI)

2.5@0.45
HALF CIRCLE
HUNTER: I-20-06-R-SS-2.5 (BLUE NOZZLE)
GPM@N/HR SHOWN (50 PSI)

2.5@0.45
QUARTER CIRCLE
HUNTER: I-20-06-R-SS-2.5 (BLUE NOZZLE)
GPM@N/HR SHOWN (50 PSI)

BIO-RETENTION POP-UP ROTOR HEADS:
3.8@1.69 2.9@1.73

HALF CIRCLE
HUNTER: I-20-12-R-PRB-MPR-35H
GPM@N/HR SHOWN (45 PSI)

HALF CIRCLE
HUNTER: I-20-12-R-PRB-MPR-30H
GPM@N/HR SHOWN (45 PSI)

1.4@0.69
QUARTER CIRCLE
HUNTER: I-20-12-R-PRB-MPR-30Q
GPM@N/HR SHOWN (45 PSI)

TREE BUBBLER HEADS (TWO HEADS PER TREE):
0.5
HUNTER: RZWS-18-25-CV-R.

AUTOMATIC DRIP IRRIGATION VALVE/FILTER/PRESSURE REGULATOR:
RAINBIRD CONTROL ZONE KIT MODEL XCZ-100-PRB-COM
(PRESSURE REGULATOR AS INDICATED ON VALVE ID).

SUBSURFACE INLINE DRIP SYSTEM:
NETAFIM TUBING TO BE TECHLINE RW (PURPLE STRIPED DRIPLINE) AND IS TO BE INSTALLED IN THE DIRECTION OF THE ARROW AS SHOWN ON PLAN. TECHLINE TO BE INSTALLED 5" BELOW GRADE IN TURF AND 4" BELOW GRADE IN SHRUB BEDS.
PVC SCHEDULE 40 LATERAL LINES SHOWN ON THE PLAN, NETAFIM TECHLINE RW NOT SHOWN.
NETAFIM DRIP TUBING SPACING:
SHRUB/GROUNDCOVER PLANTER AREAS: 18" ROW SPACING (0.42 GPH)
TECHLINE RW TUBING NOT TO EXCEED 400' IN A SINGLE RUN.

FLUSH VALVE:
SEE DETAIL 9/L4.3

INDICATES DRIP CONTROL VALVE:
PRESSURE REGULATOR: PSI SHOWN (// IF NOT SPECIFIED, ADJ IF ADJUSTABLE)
STATION NUMBER
VALVE SIZE
GALLONS: GPM

INDICATES CONTROL VALVE:
PRESSURE REGULATOR: PSI SHOWN (// IF NOT SPECIFIED, ADJ IF ADJUSTABLE)
STATION NUMBER
VALVE SIZE
GALLONS: GPM

SEE SHEET L3.2 FOR SPRINKLER IRRIGATION NOTES.

20' 10' 0 20' 40'
SCALE: 1"= 20'-0"

INCREMENT NO. 1

BID SET

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JAMES MATTHEW WHITE 5453 REGISTERED LANDSCAPE ARCHITECT 12/17/25 RENEWAL 1/31/27 STATE OF CALIFORNIA

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LICENSED ARCHITECT MATTHEW ALAN LEWIS No. C-26867 RENEWAL DATE: 1/31/2027 STATE OF CALIFORNIA

ARCHITECT

REVISIONS

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DATE: 06/25/2026
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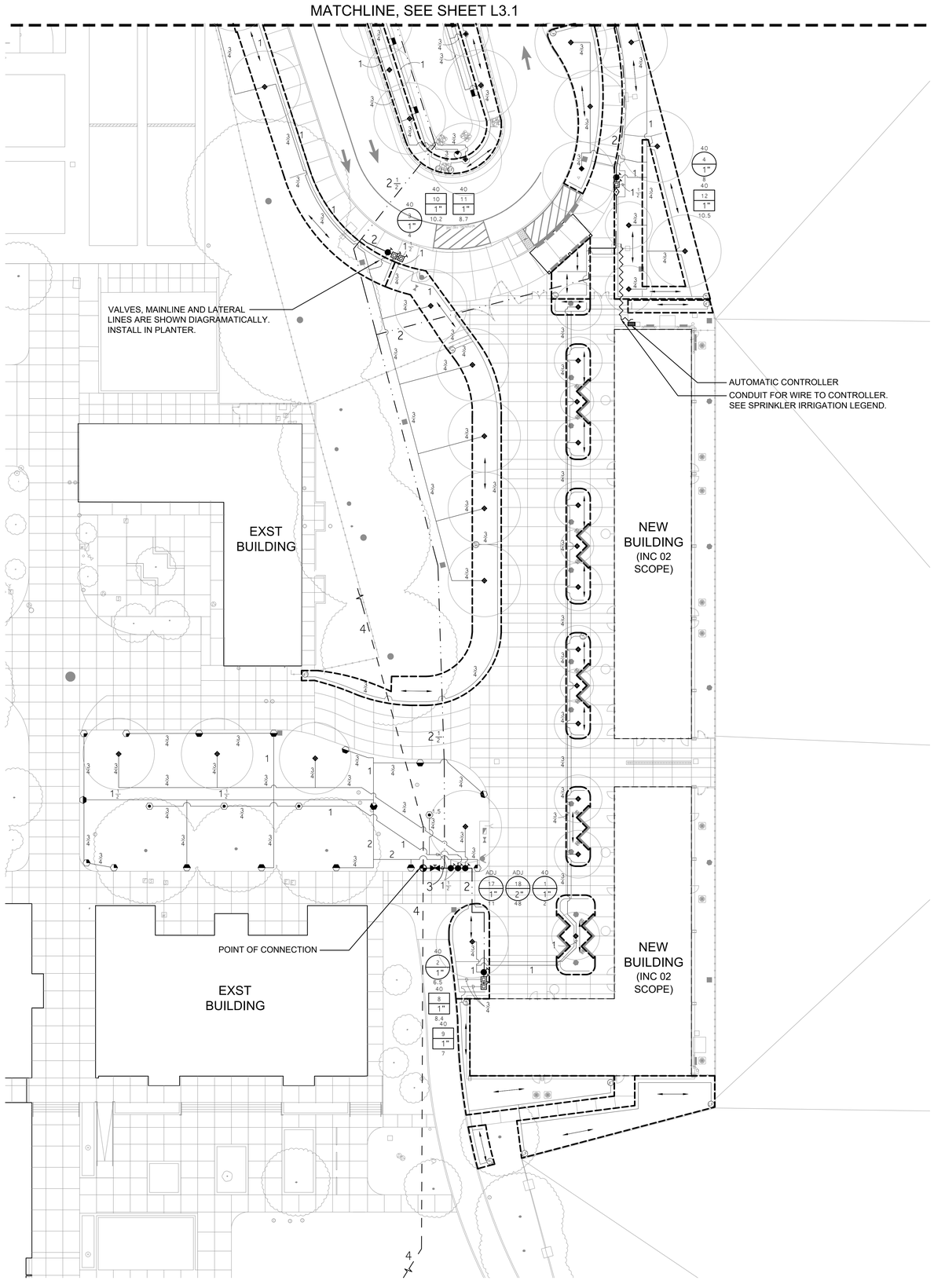
SPRINKLER IRRIGATION PLAN

SHEET NO.

L3.1



SPRINKLER IRRIGATION NOTES

1. COMPOSITE BASE SHEET: PROPOSED IMPROVEMENTS SHOWN ON DRAWINGS ARE SUPERIMPOSED ON A COMPOSITE BASE SHEET. THE COMPOSITE BASE SHEET IS A COMPILATION OF ARCHITECTURAL, ENGINEERING, AND OTHER DATA THAT IS PROVIDED. THE LANDSCAPE ARCHITECT SHALL NOT BE HELD LIABLE FOR CHANGES, INACCURACIES, OMISSIONS, OR ERRORS PERTAINING TO THE COMPOSITE BASE SHEET. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THESE DOCUMENTS. ANY DISCREPANCIES NEED TO BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM AND RESOLVED PRIOR TO CONTINUATION OF WORK.
2. DESIGN PRESSURE SHOWN ON PLANS HAS BEEN FURNISHED BY WATER COMPANY OR WATER DISTRICT SERVING SITE. VERIFY PRESSURE ON-SITE PRIOR TO THE INSTALLATION OF ANY SPRINKLER IRRIGATION EQUIPMENT. IF THERE IS A DISCREPANCY, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY IN WRITING SO ADJUSTMENTS CAN BE MADE BY LANDSCAPE ARCHITECT. FAILURE TO REPORT DISCREPANCIES AND CONTINUANCE OF WORK WILL RESULT IN ALL RE-DESIGN COSTS BEING CHARGED TO CONTRACTOR.
3. DETERMINE LOCATION OF UNDERGROUND UTILITIES. DAMAGE CAUSED BY INSTALLATION OF THIS WORK SHALL BE REPAIRED TO SATISFACTION OF GOVERNING AGENCY OR OWNER AT NO ADDITIONAL COST TO THE CONTRACT.
4. SPRINKLER OVER SPRAY SHALL NOT BE ALLOWED ON PUBLIC SIDEWALKS, BUILDING WALLS OR FENCES. MINIMUM OVERSPRAY MAY OCCUR IN PARKING AREAS. USE ADJUSTABLE NOZZLES WHENEVER POSSIBLE TO CONTROL SPRINKLER OVERSPRAY.
5. ALL LOCAL CODES AND ORDINANCES SHALL BE COMPLIED WITH. IF THERE IS A CONFLICT, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY.
6. TESTING:
   A. PRESSURE TEST ALL UNDERGROUND PIPING AS FOLLOWS:
      SYSTEMS WITH BOOSTER PUMP:
      MAIN LINE - AT 100 PSI FOR 4 HOURS.
      LATERAL LINES - AT 100 PSI FOR 2 HOURS.
      SYSTEMS WITH OUT BOOSTER PUMP:
      MAIN LINE - AT STATIC PSI FOR 4 HOURS.
      LATERAL LINES - AT STATIC PSI FOR 2 HOURS.
   B. COVERAGE TEST: NOTE: PRIOR TO REQUESTING COVERAGE TEST, INSURE ALL HEADS ARE SET PLUMB, NOZZLES ARE ADJUSTED PROPERLY AND SYSTEM HAS BEEN CHECKED FOR AUTOMATION. REQUEST OWNER'S REPRESENTATIVES PRESENCE ON-SITE WHEN SPRINKLER SYSTEM IS COMPLETELY INSTALLED AND FULLY AUTOMATIC. PROVIDE ADEQUATE PERSONNEL AT THIS MEETING TO ADJUST AND FINE TUNE SYSTEM TO SATISFACTION OF OWNER'S REPRESENTATIVE.
7. LAYOUT ALL WORK PRIOR TO TRENCHING OPERATIONS TO DETERMINE IF MINOR MODIFICATIONS OR ADJUSTMENTS WILL BE REQUIRED.
8. INSTALL ALL SPRINKLER HEADS PERPENDICULAR TO SLOPES OR GRADE.
9. CONTROL WIRE SHALL BE UF-14, COLOR FOR LEAD AND WHITE FOR COMMON. SPLICES SHALL BE PERMITTED AT VALVE BOX LOCATIONS ONLY.
10. PROVIDE AND INSTALL AUTOMATIC CONTROLLER AND UF-14 CONTROL WIRE. ELECTRICAL SUBCONTRACTOR SHALL PROVIDE 110V SERVICE AND SERVICE HOOKUP FROM POWER SOURCE TO AUTOMATIC CONTROLLER.
11. COORDINATE ALL WORK WITH OTHER TRADES SO PROGRESS OF WORK IS NOT INTERRUPTED AND CAN BE COMPLETED IN A TIMELY MANNER.
12. NO PLANTING SHALL BE STARTED UNTIL ALL SPRINKLER WORK HAS BEEN TESTED AND APPROVED IN PRESENCE OF OWNER'S REPRESENTATIVE.
13. FOR SPRINKLER IRRIGATION INSTALLATION DETAILS, SEE SHEET NO. L4.2 AND L4.3.

PRE-CONSTRUCTION SPRINKLER IRRIGATION NOTES

1. PRIOR TO START OF CONSTRUCTION CONTRACTOR REQUIRED TO CONTACT GROUNDS MANAGER AT CREEKVIEW RANCH SCHOOL TO SET UP A MEETING ON SITE TO OPERATE THE EXISTING SPRINKLER IRRIGATION SYSTEM AND DISCUSS THE MODIFICATIONS THAT ARE TO BE MADE TO THE EXISTING SYSTEM TO ACCOMMODATE FOR THE NEW CONSTRUCTION.
2. CONTRACTOR TO OPERATE AND PROGRAM EXISTING SPRINKLER IRRIGATION SYSTEM THAT IS TO REMAIN IN ORDER TO PROVIDE WATER TO THE EXISTING LANDSCAPE TO REMAIN.
3. CONTRACTOR TO REMOVE ALL EXISTING PIPE AND SPRINKLER HEADS WHEN THEY ARE IN NEW PLANTING AREAS.
4. CONTRACTOR TO RESTORE AND REPAIR ANY EXISTING SPRINKLER IRRIGATION SYSTEM OR EXISTING LANDSCAPE WHICH IS IN AREAS TO REMAIN THAT IS DAMAGED BY NEW WORK.
5. ALL WORK TO EXISTING SPRINKLER IRRIGATION SYSTEM TO BE COMPLETED PRIOR TO SITE DEMOLITION.

SEE SHEET L3.1 FOR SPRINKLER IRRIGATION LEGEND.

20' 10' 0 20' 40'

SCALE: 1"= 20'-0"

INCREMENT NO. 1

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ARCHITECT

REVISIONS

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DATE: 06/25/2026

JOB NO.: Y2514.00

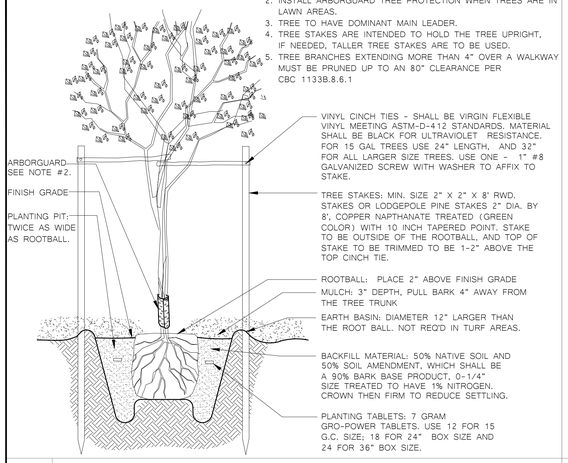
SHEET TITLE

SPRINKLER IRRIGATION PLAN

SHEET NO.

L3.2

NOTES:
1. VITAMIN B-1: SUPERTHRIVE, LIQUINOX START OR EQUAL. APPLY AS PER MANUFACTURER'S INSTRUCTIONS WITH THE SECOND WATERING OF THE BASIN.
2. INSTALL ARBORGUARD TREE PROTECTION WHEN TREES ARE IN LAWN AREAS.
3. TREE TO HAVE DOMINANT MAIN LEADER.
4. TREE STAKES ARE INTENDED TO HOLD THE TREE UPRIGHT, IF NEEDED, TALLER TREE STAKES ARE TO BE USED.
5. TREE BRANCHES EXTENDING MORE THAN 4" OVER A WALKWAY MUST BE PRUNED UP TO AN 80" CLEARANCE PER CBC 1133B.8.6.1



1 TREE PLANTING AND STAKING DETAIL

NOTE:
1. SEE TREE PLANTING DETAIL FOR ADDITIONAL INFORMATION.

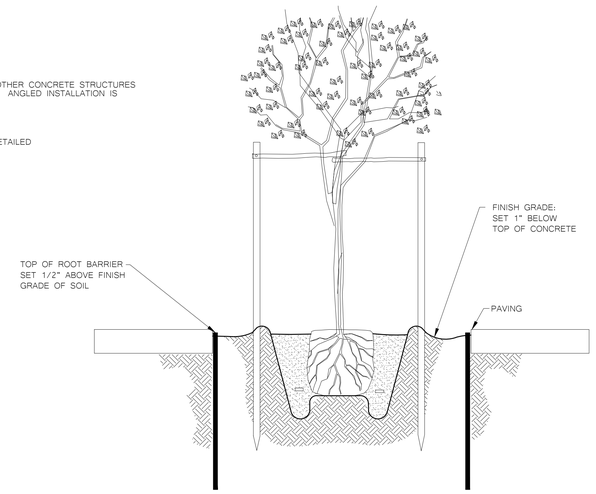
TREE ROOT BARRIER PROTECTION

1. CONTRACTOR TO REMOVE ALL CONCRETE SPOILS FROM FLATWORK, CURBS OR OTHER CONCRETE STRUCTURES TO ENSURE THE ROOT BARRIER IS ADJACENT TO THE CONCRETE AND VERTICAL. ANGLED INSTALLATION IS NOT ACCEPTABLE.
2. TREE SHALL BE LOCATED IN CENTER OR MIDPOINT OF PLANTER.
3. TREE ROOT BARRIER IS TO BE INSTALLED IN LOCATIONS SHOWN ON THE PLANS.
4. TREE ROOT BARRIER SHALL BE INSTALLED ADJACENT TO EDGE OF PAVING AS DETAILED
5. PLACE ROOT BARRIER SO THAT VERTICAL RIBS FACE TOWARD THE TREE.

ROOT BARRIER

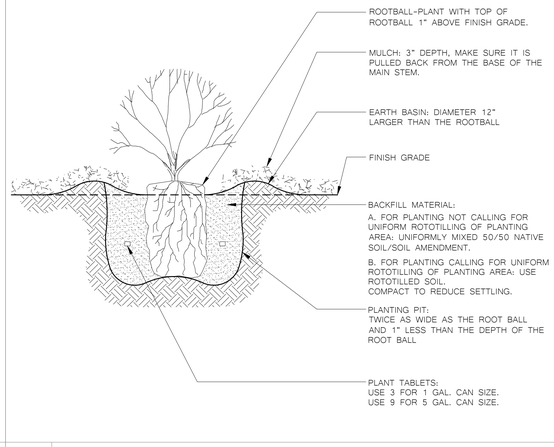
BY: DEEP ROOT PARTNERS OR NDS INC. OR APPROVED EQ.

15 GAL SIZE TREE OR LARGER:
24" MODULAR ROOT BARRIER PANEL



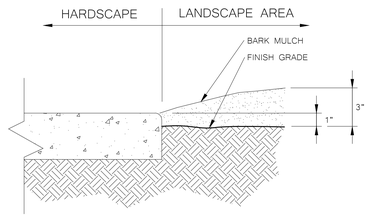
2 ROOT BARRIER CONTROL DETAIL

NOTE: VITAMIN B-1 SUPERTHRIVE LIQUINOX OR EQUAL. APPLY AS PER MANUFACTURE'S INSTRUCTIONS WITH SECOND WATERING OF THE BASIN.



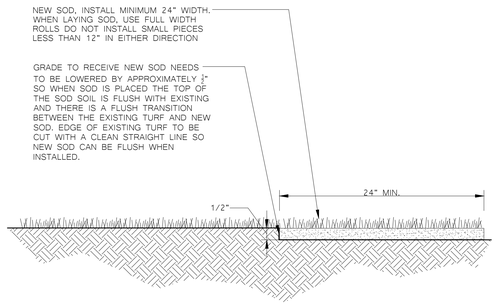
3 SHRUB PLANTING DETAIL

NOTES:
1. FINISH GRADE OF SOIL TO BE 1" BELOW ADJACENT HARDSCAPE FOR BOTH LAWN AREAS AND PLANTER BED AREAS
2. BARK MULCH DEPTH DOES NOT DICTATE THE ELEVATION OF THE FINISH GRADE
3. BARK MULCH TO BE FEATHERED DOWN TO 1" DEPTH, 12" FROM EDGE OF HARDSCAPE



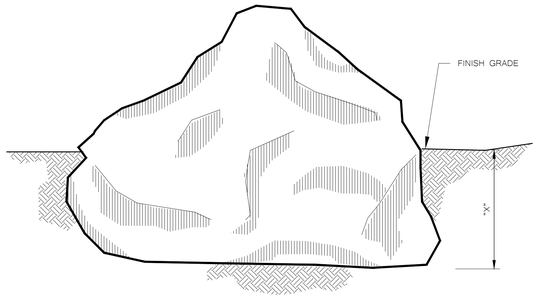
4 LANDSCAPE GRADE ADJACENT TO HARDSCAPE DETAIL

NOTE:
1. SEE SPECIFICATIONS FOR SOD BLEND.



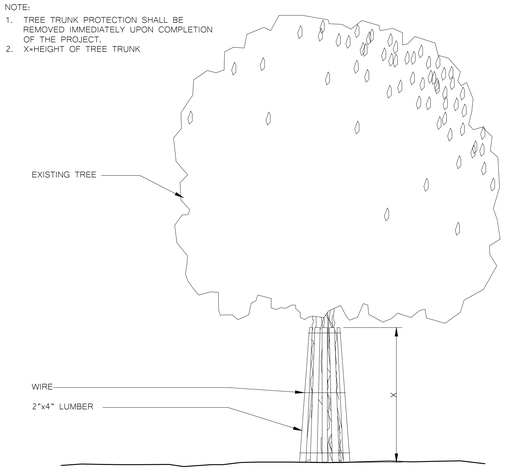
5 TURF REPAIR WITH SOD DETAIL

NOTES:
1. ALL ROCKS SHALL BE BAJA CREST BY THOMPSON BUILDING MATERIALS AND ARE SUBJECT TO APPROVAL OF LANDSCAPE ARCHITECT.
2. "X" = ROCK TO BE SET AT A DEPTH OF APPROXIMATELY 1/3 IT'S OVERALL HEIGHT.
3. FINAL PLACEMENT SHALL BE AS DIRECTED BY LANDSCAPE ARCHITECT.



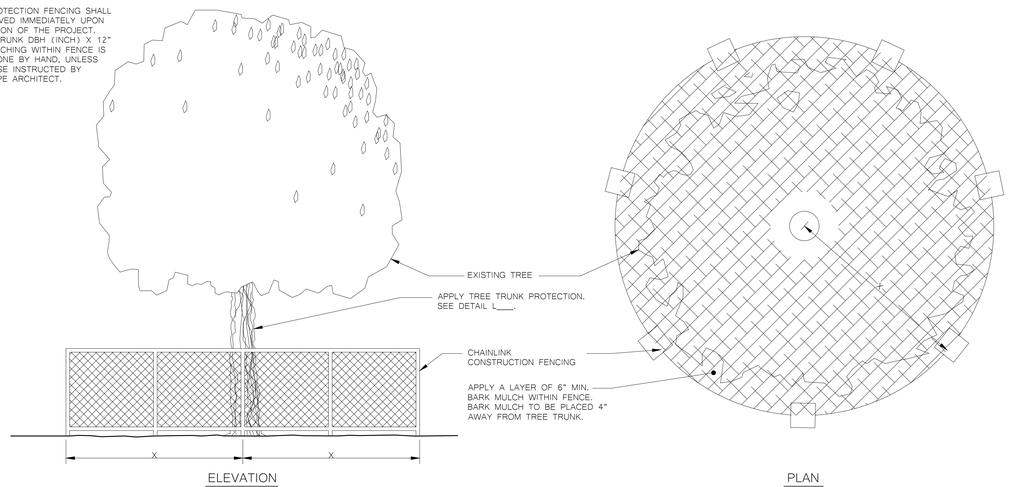
6 FIELDSTONE INSTALLATION DETAIL

NOTE:
1. TREE TRUNK PROTECTION SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE PROJECT.
2. X=HEIGHT OF TREE TRUNK



7 TREE TRUNK PROTECTION DETAIL

NOTE:
1. TREE PROTECTION FENCING SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE PROJECT.
2. X=TREE TRUNK DBH (INCH) X 12"
3. ALL TRENCHING WITHIN FENCE IS TO BE DONE BY HAND, UNLESS OTHERWISE INSTRUCTED BY LANDSCAPE ARCHITECT.



8 TREE PROTECTION FENCING DETAIL

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

8779 Cook Riolo Road, Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

25-42

MTW group
LANDSCAPE ARCHITECTURE AND PLANNING
2707 K Street, Suite 201
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916 369-3990

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00

SHEET TITLE

LANDSCAPE PLANTING DETAILS

SHEET NO.

L4.1

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
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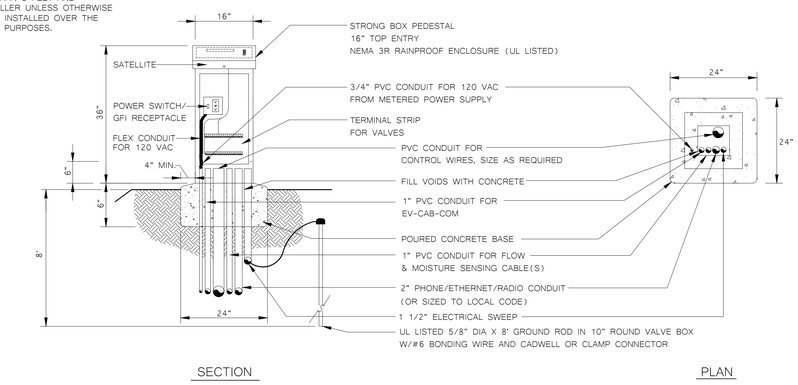
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

NOTE:
1. ASSEMBLY TO INCLUDE:
   CONTROLLER MODEL, ENCLOSURE MODEL, AND OPTIONS AS SPECIFIED
   TERMINAL STRIPS
   TEMPLETE AND BOLTS
   UL LISTED 8' COPPER GROUND ROD
   GROUND ROD CLAMP OR CADWELD
   10' OF #6 GROUNDING WIRE
2. ALL CABLES AND ELECTRICAL WIRES MUST BE RUN IN CONDUIT
3. GROUND ROD SHALL BE LOCATED NO CLOSER THAN 8 FEET AND NO FURTHER THAN 12 FEET FROM THE CONTROLLER UNLESS OTHERWISE SPECIFIED. A 10" ROUND VALVE BOX SHALL BE INSTALLED OVER THE GROUND ROD FOR LOCATION AND MAINTENANCE PURPOSES.



SECTION PLAN

1 AUTOMATIC CONTROLLER - TOP ENTRY PEDESTAL DETAIL

DISTANCE CHART

REFER TO THE FOLLOWING TABLE THAT LISTS THE LENGTH (IN FEET) FOR EACH SIZE/TYPE FITTING WITHIN WHICH ALL JOINTS MUST BE RESTRAINED. ALL FITTINGS AND JOINT RESTRAINTS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS & SPECIFICATIONS.

AS AN EXAMPLE, IF YOU ARE INSTALLING A 3" MAINLINE WITH A DIRECTIONAL CHANGE OF 90°, REFER TO CHART UNDER PIPE SIZE TO 3" AND UNDER BENDS 90 YOU WILL SEE THE DISTANCE OF 11'. IF THERE ARE ANY JOINTS (I.E. VALVE, BELL, ETC.) YOU MUST INSTALL A JOINT RESTRAINT ON THAT JOINT WITHIN 11' OF THE 90° MAINLINE DIRECTIONAL CHANGE.

PIPE SIZE	BENDS				REDUCERS			DEAD END	GATE VALVE
	11°	22°	45°	90°	1 STEP	2 STEP	3 STEP		
2"	1'	1'	2'	6'	-	-	-	19'	10'
2.5"	1'	2'	4'	9'	4'	-	-	23'	12'
3"	2'	3'	6'	11'	8'	10'	-	30'	15'
4"	2'	4'	9'	20'	14'	20'	31'	45'	23'
6"	3'	6'	13'	29'	30'	40'	53'	63'	31'
8"	4'	8'	15	38'	33'	55'	63'	75'	38'
10"	5'	9'	19'	45'	36'	56'	75'	96'	48'
12"	5'	10'	21'	53'	38'	60'	83'	112'	56'

NOTE: STEP REDUCTION EXAMPLE: 1 STEP (8 X 6), 2 STEP (8 X 4), 3 STEP (8 X 3)

INSTALLATION CHART

REFER TO THE FOLLOWING TABLE WHICH LISTS THE NUMBER OF BOLTS, SIZE, AND TORQUE FOR EACH BOLT IN REFERENCE TO THE SIZE OF PIPE WHICH IS BEING RESTRAINED.

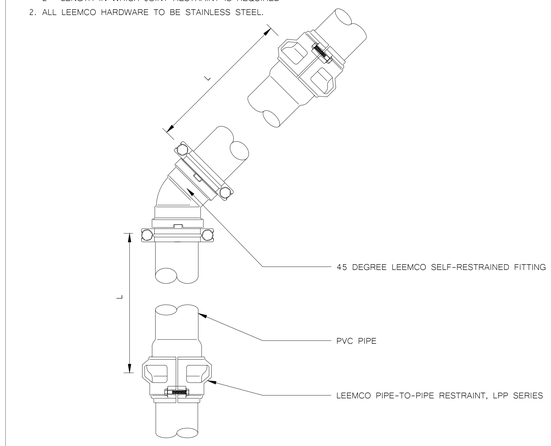
AS AN EXAMPLE, IF YOU HAVE A 3" PIPE, YOU WILL NEED 2 BOLTS THAT ARE 3/8 X 2.5" AND TIGHTEN THEM WITH A TORQUE WRENCH TO 20 FT-LBS.

PIPE SIZE	NO. BOLTS	BOLT SIZE	TORQUE FT-LBS.
2"	2	3/8" x 2.5"	20
2.5"	2	3/8" x 2.5"	20
3"	2	3/8" x 2.5"	20
4"	2	1/2" x 3.5"	50
6"	2	1/2" x 3.5"	50
8"	4	1/2" x 4"	50
10"	4	5/8" x 5.5"	100
12"	4	5/8" x 5.5"	100

CONTACT NUNZIO DICHRISTOPHER @ (916) 202-1333, THE LEEMCO REPRESENTATIVE, FOR ALL QUESTIONS CONCERNING LEEMCO PRODUCTS. COORDINATE AN INSTALLATION CLINIC WITH NUNZIO PRIOR TO INSTALLING THE MAINLINE.

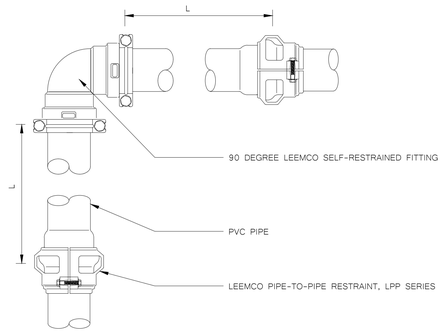
2 LEEMCO JOINT RESTRAINTS CHART

NOTES:
1. REFER TO LEEMCO MANUEL FOR JOINT RESTRAINT REQUIREMENTS FOR ALL FITTINGS.
   L = LENGTH IN WHICH JOINT RESTRAINT IS REQUIRED
2. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



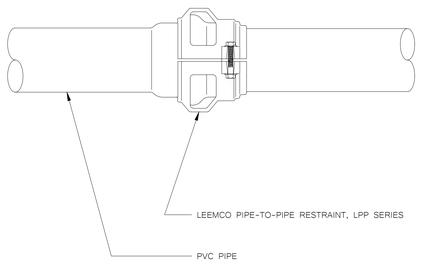
3 LEEMCO 45 ELBOW WITH JOINT RESTRAINTS DETAIL

NOTES:
1. REFER TO LEEMCO MANUEL FOR JOINT RESTRAINT REQUIREMENTS FOR ALL FITTINGS.
   L = LENGTH IN WHICH JOINT RESTRAINT IS REQUIRED
2. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



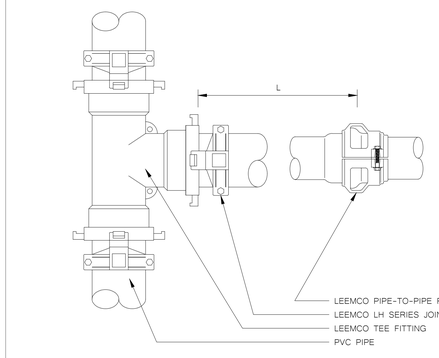
4 LEEMCO ELBOW WITH JOINT RESTRAINTS DETAIL

NOTES:
1. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



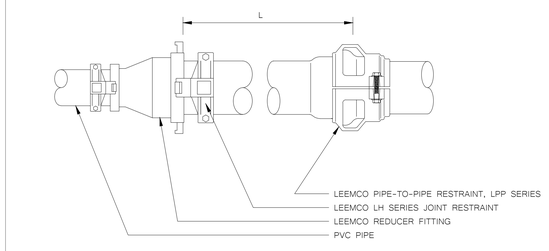
5 LEEMCO BELL JOINT RESTRAINTS DETAIL

NOTES:
1. REFER TO LEEMCO MANUEL FOR JOINT RESTRAINT REQUIREMENTS FOR ALL FITTINGS.
   L = LENGTH IN WHICH JOINT RESTRAINT IS REQUIRED
2. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



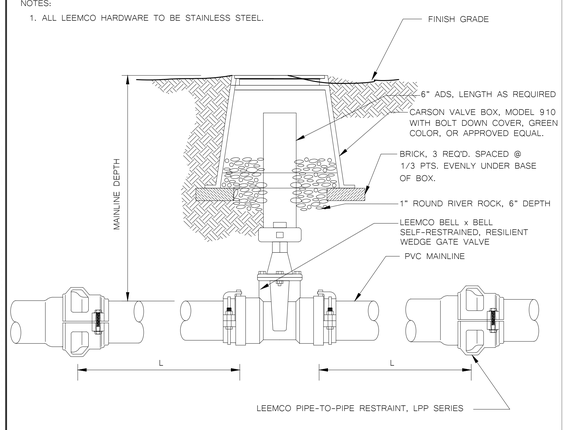
6 LEEMCO TEE WITH JOINT RESTRAINTS DETAIL

NOTES:
1. REFER TO LEEMCO MANUEL FOR JOINT RESTRAINT REQUIREMENTS FOR ALL FITTINGS.
   L = LENGTH IN WHICH JOINT RESTRAINT IS REQUIRED
2. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



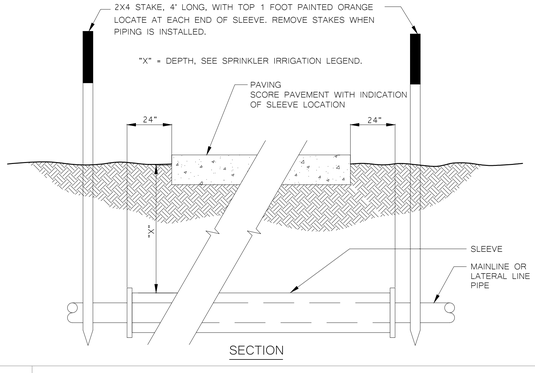
7 LEEMCO REDUCER WITH JOINT RESTRAINTS DETAIL

NOTES:
1. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



8 LEEMCO SELF-RESTRAINED GATE VALVE DETAIL

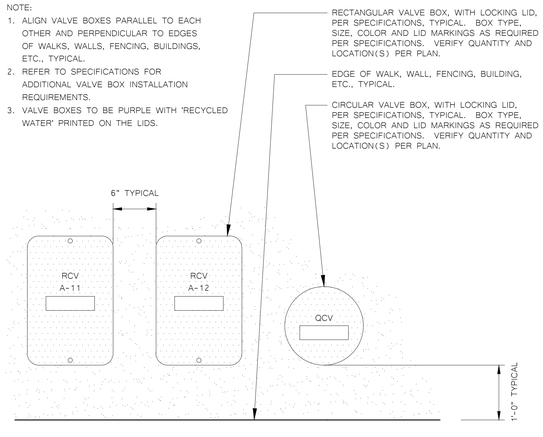
NOTES:
1. ALL PIPE AND FITTINGS TO BE SCHEDULE 40, P.V.C. SEE PLAN FOR LOCATION.
2. SLEEVES TO BE LARGE ENOUGH TO ACCEPT THE PIPE AND FITTINGS TO BE ENCASED.
3. PROVIDE A SEPARATE SLEEVE FOR EACH LATERAL OR MAIN CROSSING.
4. PROVIDE A SEPARATE SLEEVE FOR CONTROL WIRE
5. TAPE ALL ENDS WITH DUCT TAPE TO PREVENT ENTRY OF SOIL.



SECTION

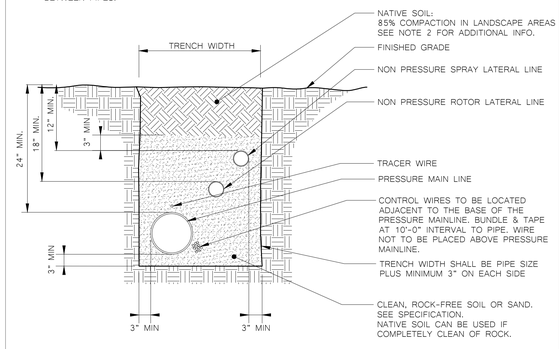
9 SLEEVE DETAIL

NOTE:
1. ALIGN VALVE BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGES OF WALKS, WALLS, FENCING, BUILDINGS, ETC., TYPICAL.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL VALVE BOX INSTALLATION REQUIREMENTS.
3. VALVE BOXES TO BE PURPLE WITH 'RECYCLED WATER' PRINTED ON THE LIDS.



10 TYPICAL VALVE BOX LAYOUT

NOTES:
1. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.
2. WHEN TRENCHES ARE LOCATED UNDER PAVEMENT, COMPACTION RATE FOR THE BACKFILL SHALL COMPLY WITH THE COMPACTION RATES REQUIRED FOR THOSE PAVING SECTIONS.
3. PIPES TO HAVE A MINIMUM OF 6" HORIZONTAL SEPARATION WHEN PLACED IN THE SAME TRENCH ALONG WITH A MINIMUM OF 6" VERTICAL SEPARATION BETWEEN PIPES.



11 PIPE TRENCH DETAIL

INCREMENT NO. 1

BID SET

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CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

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JAMES M. WILLIS MTW 5453 REGISTERED LANDSCAPE ARCHITECT 12/17/25 RENEWAL DATE 7/31/27 STATE OF CALIFORNIA

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LICENSED ARCHITECT MATTHEW A. NACHT No. C-26867 RENEWAL DATE: 1/31/2027 STATE OF CALIFORNIA

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

SHEET TITLE

SPRINKLER IRRIGATION DETAILS

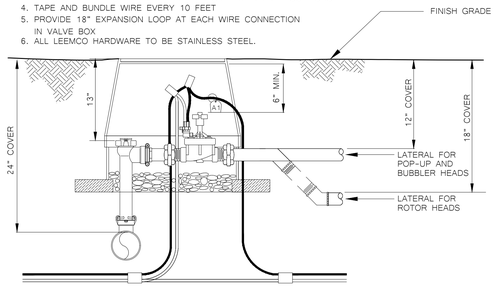
SHEET NO.

L4.2

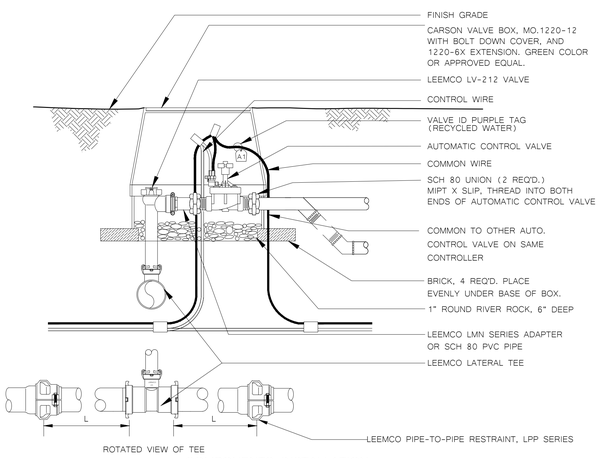
ONE INCH = TWENTY FEET 0 10 20 40 60 80
ONE-SIXTEENTH INCH = ONE FOOT 0 16 32
ONE-EIGHTH INCH = ONE FOOT 0 8 16
ONE-QUARTER INCH = ONE FOOT 0 4 8
THREE-QUARTERS INCH = ONE FOOT 0 6
ONE INCH = ONE FOOT 0 12
ONE AND ONE-HALF INCH = ONE FOOT 0 18

NOTES:
1. SET VALVE BOX LEVEL, PLACE LOCATOR INSIDE. VALVE BOX TO BE LEVEL WITH GRADE.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED.
3. CONNECT ALL WIRES WITH WEATHER TIGHT CONNECTORS. SPLICES IN WIRE SHALL BE PERMITTED ONLY AT VALVE LOCATIONS.
4. TAPE AND BUNDLE WIRE EVERY 10 FEET
5. PROVIDE 18" EXPANSION LOOP AT EACH WIRE CONNECTION IN VALVE BOX
6. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.
7. VALVES TO HAVE RECYCLED WATER TAGS.
8. FOR VALVES WITH PRESSURE REGULATION FEATURE, SET VALVE PRESSURE AS PER MANUFACTURERS RECOMMENDATIONS TO THE PRESSURE AS FOLLOWS:

POP-UP SPRAY HEADS:	35 - 40 PSI
INTERMEDIATE POP-UP ROTOR HEADS:	50 - 55 PSI
POP-UP ROTOR HEADS:	60 - 70 PSI
BUBBLER HEADS:	30 - 40 PSI
DRIP SYSTEMS:	15 - 20 PSI



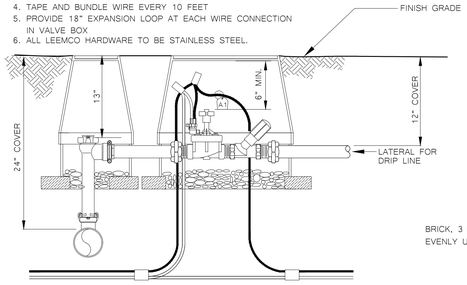
VALVE BOX, SETTINGS, AND CLEARANCES



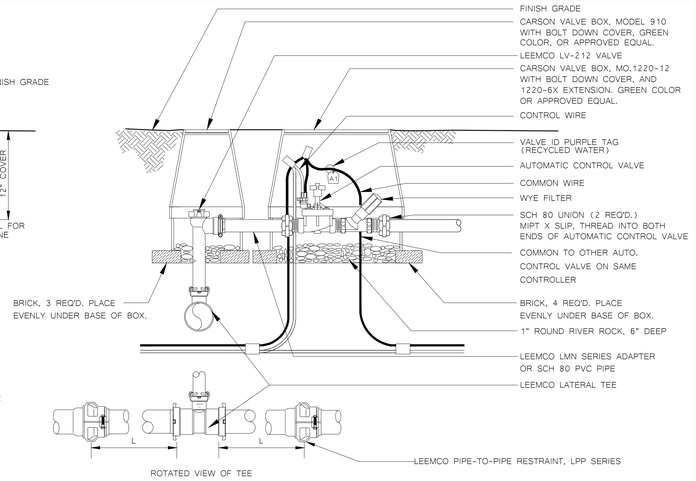
COMPONENTS INSTALLATION

1 AUTOMATIC CONTROL VALVE/LEEMCO ANGLE VALVE DETAIL

NOTES:
1. SET VALVE BOX LEVEL, PLACE LOCATOR INSIDE. VALVE BOX TO BE LEVEL WITH GRADE.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED.
3. CONNECT ALL WIRES WITH WEATHER TIGHT CONNECTORS. SPLICES IN WIRE SHALL BE PERMITTED ONLY AT VALVE LOCATIONS.
4. TAPE AND BUNDLE WIRE EVERY 10 FEET
5. PROVIDE 18" EXPANSION LOOP AT EACH WIRE CONNECTION IN VALVE BOX
6. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.
7. VALVES TO HAVE RECYCLED WATER TAGS.
8. FOR VALVES WITH PRESSURE REGULATION FEATURE, SET VALVE PRESSURE AS PER MANUFACTURERS RECOMMENDATIONS TO THE PRESSURE AS FOLLOWS:
DRIP SYSTEMS: 25 - 30 PSI



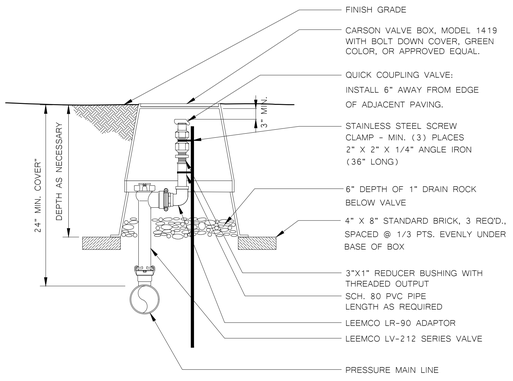
VALVE BOX, SETTINGS, AND CLEARANCES



COMPONENTS INSTALLATION

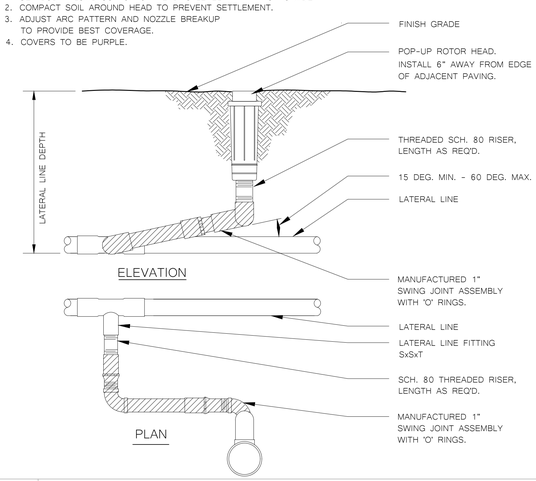
2 AUTOMATIC CONTROL DRIP VALVE/LEEMCO ANGLE VALVE DETAIL

NOTES:
1. INSTALL VALVE BOXES SO THAT THE TOP OF THE BOX IS FLUSH WITH THE TOP OF ADJACENT SURFACE.
2. USE TEFLON TAPE ON ALL THREADED CONNECTIONS.
3. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



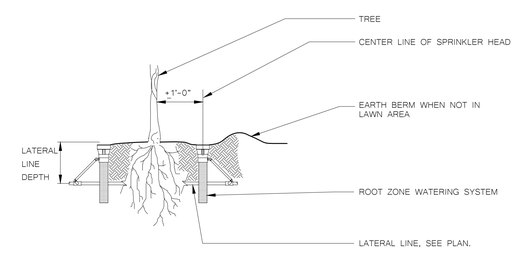
3 QUICK COUPLING VALVE/LEEMCO ANGLE VALVE DETAIL

NOTES:
1. SET BODY PLUMB SO TOP OF HEAD IS LEVEL WITH FINISH GRADE.
2. COMPACT SOIL AROUND HEAD TO PREVENT SETTLEMENT.
3. ADJUST ARC PATTERN AND NOZZLE BREAKUP TO PROVIDE BEST COVERAGE.
4. COVERS TO BE PURPLE.

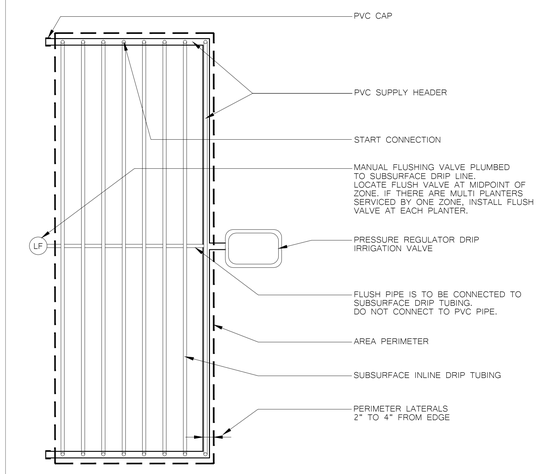


4 POP-UP ROTOR HEAD DETAIL

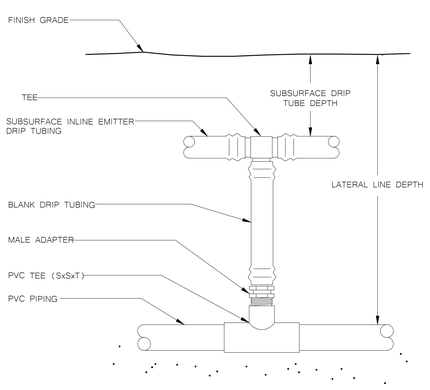
NOTES:
1. SEE TREE PLANTING DETAIL FOR ADDITIONAL INFORMATION.
2. INSTALL RZWS SLEEVE OVER TUBE TO HELP PREVENT SOIL INTRUSION.



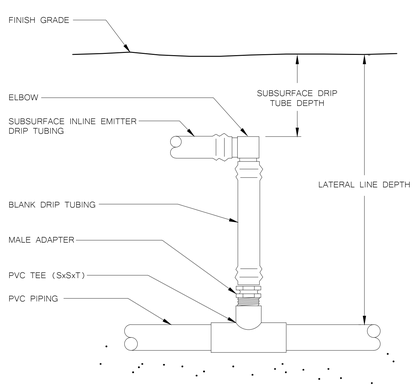
5 TREE BUBBLER HEAD DETAIL



6 SUBSURFACE INLINE DRIP LAYOUT DETAIL

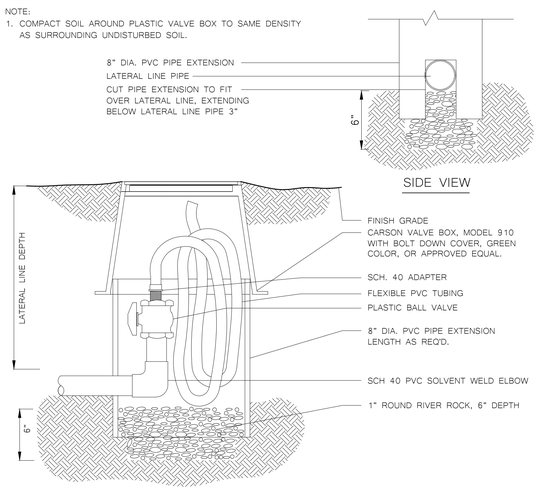


7 SUBSURFACE DRIP - TEE START CONNECTION DETAIL



8 SUBSURFACE DRIP - ELBOW START CONNECTION DETAIL

NOTE:
1. COMPACT SOIL AROUND PLASTIC VALVE BOX TO SAME DENSITY AS SURROUNDING UNDISTURBED SOIL.



9 FLUSH VALVE DETAIL

INCREMENT NO. 1

BID SET

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

SPRINKLER IRRIGATION DETAILS

SHEET NO.

L4.3

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
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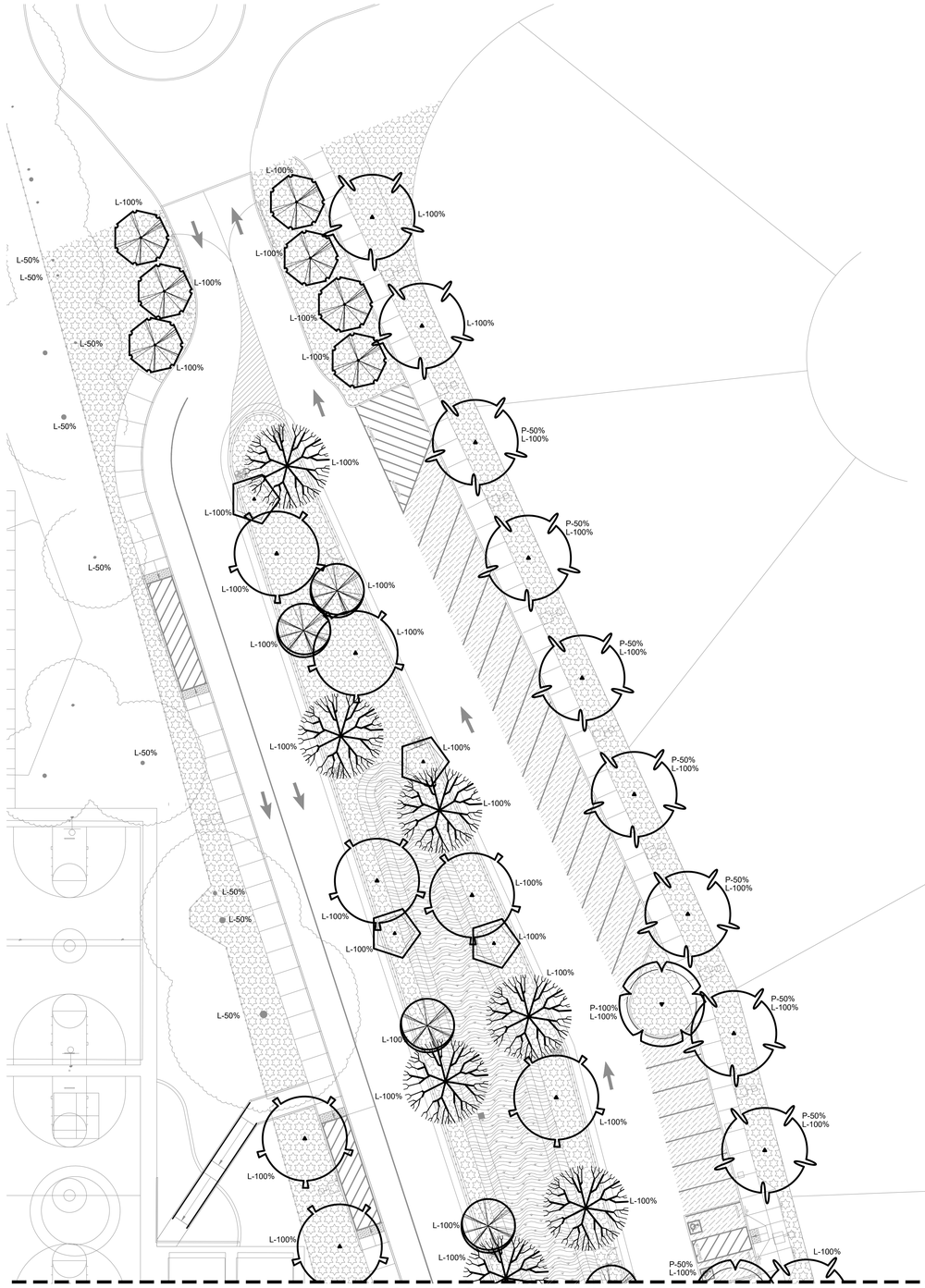
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

INCREMENT NO. 1

BID SET

IRRIGATION SCHEDULE TABLE

| STATION #/HYDROZONE | PLANT WATER USE TYPE | PLANT FACTOR (PF) | IRRIGATION TYPE | FLOW (GPM) | PRECIP. RATE (PR) INCH/HR | IRRIGATION EFFICIENCY (IE) | SOIL TYPE | ROOT DEPTH | SLOPE | EXPOSURE | MAINTENANCE PERIOD (X/Y Z GAL) | | |



KEY | TREE SHADING LEGEND

P-100%
L-100%
H-100%

TREES - NOT ALL SYMBOLS SHOWN
WITH TREE SHADING CANOPY PERCENTAGE

- SHADE PERCENTAGE: PARKING LOT
- SHADE PERCENTAGE: LANDSCAPE
- SHADE PERCENTAGE: HARDSCAPE

AREA USED AS 'TOTAL PAVED AREA'

AREA USED AS 'TOTAL LANDSCAPE AREA'

AREA USED AS 'TOTAL HARDSCAPE AREA'

EXISTING TREES TO REMAIN

PARKING LOT SHADING (50% WITHIN 20 YEARS)

TREES	100%	50%
30'	1 (707) = 707 S.F.	8 (354) = 2,832 S.F.
SUB-TOTALS	707 S.F.	2,832 S.F.

TOTAL PAVED AREA = 5,250 S.F.

TOTAL SHADED AREA = 3,539 S.F.

PERCENTAGE OF SHADE = 67.0%

LANDSCAPE SHADING (20% WITHIN 15 YEARS)

TREES	100%	75%	50%
EXISTING		1 (721) = 721 S.F.	16 (481) = 7,696 S.F.
30'	40 (707) = 28,280 S.F.		
20'	32 (314) = 10,048 S.F.		
SUB-TOTALS	33,067 S.F.	721 S.F.	7,696 S.F.

TOTAL LANDSCAPE AREA = 55,184 S.F.

TOTAL SHADED AREA = 46,745 S.F.

PERCENTAGE OF SHADE = 85.0%

HARDSCAPE SHADING (20% WITHIN 15 YEARS)

TREES	100%	50%	25%
20'	1 (314) = 314 S.F.	3 (157) = 471 S.F.	4 (79) = 316 S.F.
SHADE STRUCTURE	281 S.F.		
SUB-TOTALS	595 S.F.	471 S.F.	316 S.F.

TOTAL HARDSCAPE AREA = 508 S.F.

TOTAL SHADED AREA = 1,663 S.F.

PERCENTAGE OF SHADE = 327.0%

20' 10' 0 20' 40'

SCALE: 1"= 20'-0"

INCREMENT NO. 1

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LICENSED LANDSCAPE ARCHITECT
JOHN HOLLIS MILLER
3453
12/17/25
7/31/27
STATE OF CALIFORNIA

CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000

REGISTERED ARCHITECT
NA. C 26867
RENEWAL DATE:
1/31/2027
STATE OF CALIFORNIA

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

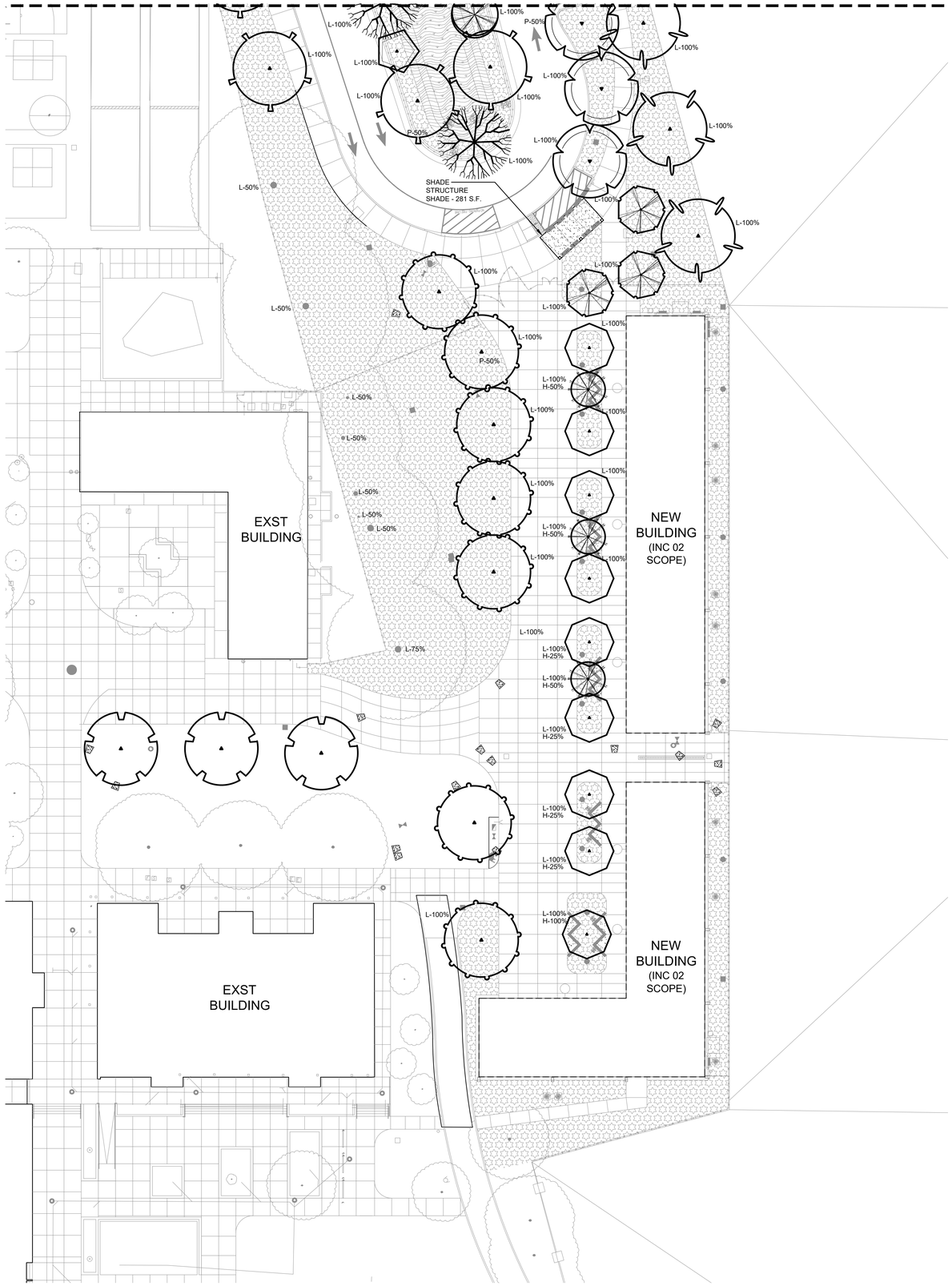
SHEET TITLE

TREE SHADING PLAN

SHEET NO.

L6.1

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT



KEY	TREE SHADING LEGEND
P-100% L-100% H-100%	TREES - NOT ALL SYMBOLS SHOWN WITH TREE SHADING CANOPY PERCENTAGE SHADE PERCENTAGE: PARKING LOT SHADE PERCENTAGE: LANDSCAPE SHADE PERCENTAGE: HARDSCAPE
	AREA USED AS 'TOTAL PAVED AREA'
	AREA USED AS 'TOTAL LANDSCAPE AREA'
	AREA USED AS 'TOTAL HARDSCAPE AREA'
	EXISTING TREES TO REMAIN

PARKING LOT SHADING (50% WITHIN 20 YEARS)

TREES	100%	50%
30'	1 (707) = 707 S.F.	8 (354) = 2,832 S.F.
SUB-TOTALS	707 S.F.	2,832 S.F.

TOTAL PAVED AREA = 5,250 S.F.

TOTAL SHADED AREA = 3,539 S.F.

PERCENTAGE OF SHADE = 67.0%

LANDSCAPE SHADING (20% WITHIN 15 YEARS)

TREES	100%	75%	50%
EXISTING		1 (721) = 721 S.F.	16 (481) = 7,696 S.F.
30'	40 (707) = 28,280 S.F.		
20'	32 (314) = 10,048 S.F.		
SUB-TOTALS	33,067 S.F.	721 S.F.	7,696 S.F.

TOTAL LANDSCAPE AREA = 55,184 S.F.

TOTAL SHADED AREA = 46,745 S.F.

PERCENTAGE OF SHADE = 85.0%

HARDSCAPE SHADING (20% WITHIN 15 YEARS)

TREES	100%	50%	25%
20'	1 (314) = 314 S.F.	3 (157) = 471 S.F.	4 (79) = 316 S.F.
SHADE STRUCTURE	281 S.F.		
SUB-TOTALS	595 S.F.	471 S.F.	316 S.F.

TOTAL HARDSCAPE AREA = 508 S.F.

TOTAL SHADED AREA = 1,663 S.F.

PERCENTAGE OF SHADE = 327.0%

20' 10' 0 20' 40'

SCALE: 1"= 20'-0"

ONE INCH = TWENTY FEET | ONE-SIXTEENTH INCH = ONE FOOT | ONE-EIGHTH INCH = ONE FOOT | ONE-QUARTER INCH = ONE FOOT | THREE-QUARTERS INCH = ONE FOOT | ONE INCH = ONE FOOT | ONE AND ONE-HALF INCH = ONE FOOT

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

25-42

MTW group
LANDSCAPE ARCHITECTURE AND PLANNING
2707 K Street, Suite 201
Sacramento, CA 95816
916 369-3990

CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

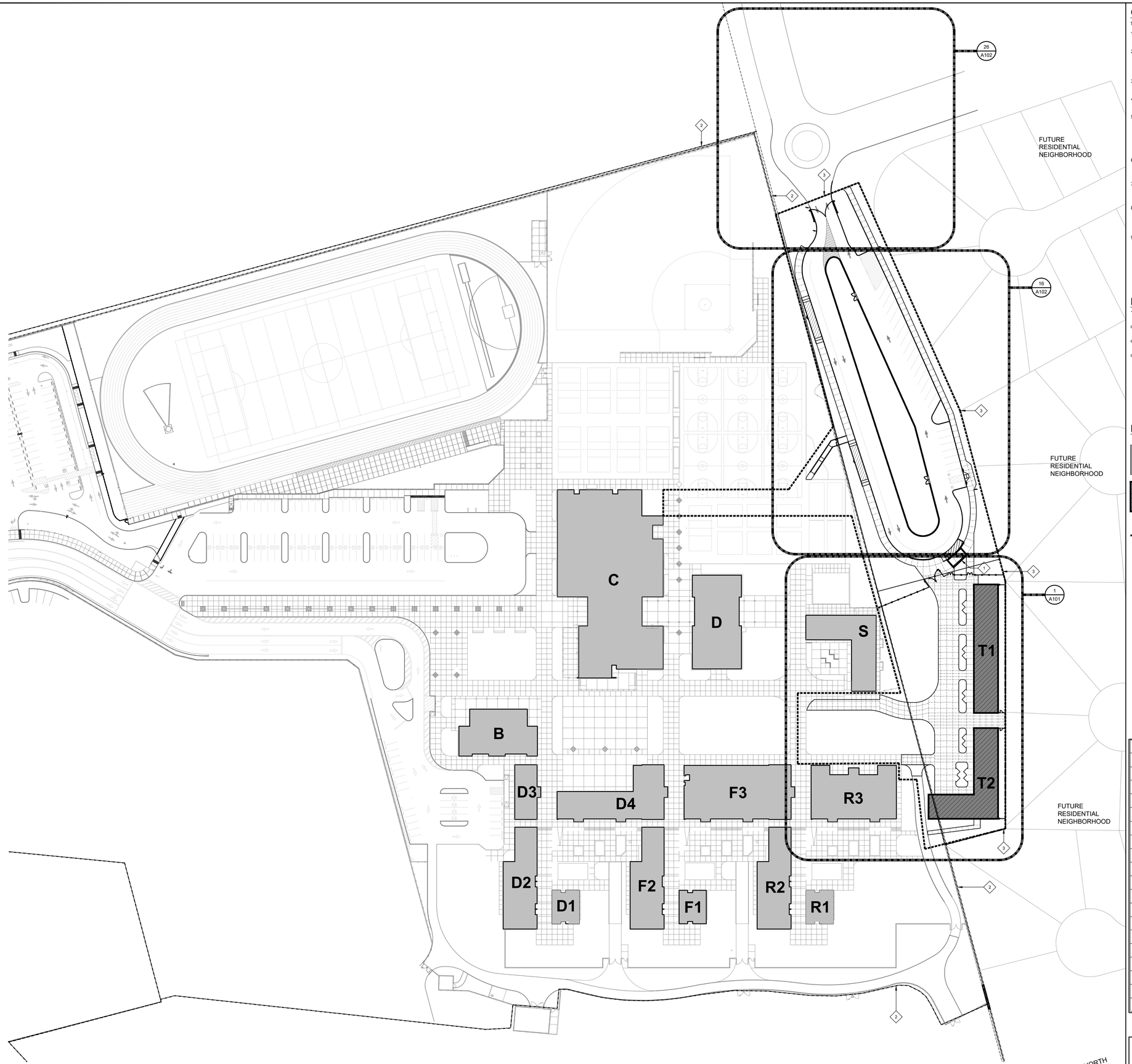
JOB NO.: Y2514.00

SHEET TITLE

TREE SHADING PLAN

SHEET NO.

L6.2



1 OVERALL SITE PLAN - AREA OF WORK
SCALE: 1:50

NORTH

GENERAL SHEET NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. SEE CIVIL SHEETS FOR SITE WORK AND PAVING REPLACEMENT ALONG ACCESSIBLE PATH OF TRAVEL.
2. ALL NEW CONCRETE SITE WORK EXCLUDING RAMPS AND SLOPED WALKS SHALL BE LESS THAN 2% SLOPE IN ALL DIRECTIONS. RELOCATE EXISTING AREA DRAINS. REPLACE VALVE BOXES AND COORDINATE WITH CIVIL DRAWINGS FOR SCOPE OF WORK IN THESE LOCATIONS.
3. ALL LANDSCAPED AREAS SHALL BE LESS THAN 4" BELOW FINISHED ADJACENT CONCRETE WALK.
4. SEE CIVIL DRAWINGS FOR ALL FLATWORK PAVING, SEAL COATING, STRIPING, AND OTHER ADDITIONAL DETAILS.
5. CONTRACTOR SHALL COORDINATE EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO EXCAVATION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE AND DAMAGED BUILDINGS, BUILDINGS, SITE ELEMENTS, LANDSCAPE, IRRIGATION SYSTEMS, WALKS, OR CURBS TO MATCH EXISTING.
6. PROTECT SITE SIGNAGE IN PLACE DURING CONSTRUCTION UNLESS NOTED TO BE REMOVED. SIGNAGE REQUIRED TO BE REMOVED TO ADEQUATELY PERFORM WORK SHALL BE REINSTALLED AT COMPLETION OF WORK.
7. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
8. AT ALL LOCATIONS WHERE NEW AND/OR EXISTING CONCRETE WILL BE USED FOR HEAVY BOBCAT PIVOTING OR TRACTOR TRAFFIC, CONTRACTOR SHALL PROTECT CONCRETE FINISH FROM TIRE TRACKS/SKID MARKS AND POWER WASH ALL AFFECTED CONCRETE TO FULLY REMOVE TIRE MARKS/SKIDS.
9. AT ALL NEW LANDSCAPE AREAS, REFER TO LANDSCAPE DRAWINGS FOR PLANTING LOCATIONS, TREE LOCATIONS, BOULDER LOCATIONS, AND OTHER LANDSCAPE ELEMENTS.

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY.

1. NEW SHADE STRUCTURE - SEE INCREMENT NO. 01.
2. EXISTING PROPERTY LINE
3. NEW PROPERTY LINE

LEGEND:

- EXISTING BUILDINGS N.I.C.
- NEW BUILDINGS PER INCREMENT NO. 2.
- AREA OF WORK

BUILDING DATA:

	BUILDING NAME	USE	O.C.C.	TYPE	ACTUAL AREA	ORIGINAL DSA NO.
A	--		--	--	--	
B	ADMINISTRATION	ADMINISTRATION	B	II-N	5,685	02-107711
C	MULTI-PURPOSE	ASSEMBLY	A-2	II-N	28,180	02-107711
D	LIBRARY	LIBRARY	E-1	V-N	7,830	02-107711
D1	CLASSROOMS	CLASSROOMS	E-1	V-N	1,540	02-107711
D2	CLASSROOMS	CLASSROOMS	E-1	V-N	5,285	02-107711
D3	CLASSROOMS	CLASSROOMS	E-1	V-N	2,210	02-107711
D4	CLASSROOMS	CLASSROOMS	E-1	V-N	6,765	02-107711
F1	CLASSROOMS	CLASSROOMS	E-1	V-N	1,550	02-107711
F2	CLASSROOMS	CLASSROOMS	E-1	V-N	5,285	02-107711
F3	CLASSROOMS	CLASSROOMS	E-1	V-N	10,180	02-107711
R1	CLASSROOMS	CLASSROOMS	E-1	V-N	1,550	02-107711
R2	CLASSROOMS	CLASSROOMS	E-1	V-N	5,285	02-107711
R3	CLASSROOMS	CLASSROOMS	E-1	V-N	7,440	02-107711
S	CLASSROOMS	CLASSROOMS	E-1	V-N	5,220	02-116791
T1	CLASSROOMS	CLASSROOMS	E-1	V-N	5,440	THIS APP.
T2	CLASSROOMS	CLASSROOMS	E-1	V-N	5,760	THIS APP.

TOTAL SQUARE FOOTAGE: 105,205

NOTE:

THE FLOOR PLANS SHOWN FOR THE NEW BUILDINGS ARE FOR REFERENCE ONLY AND ARE PROVIDED TO ASSIST IN THE INCREMENT NO. 1 SITE DEVELOPMENT PACKAGE ACCESS AND FIRE LIFE SAFETY REVIEW AT THE DIVISION OF THE STATE ARCHITECT UNDER INCREMENT NO. 1. FOR SCOPE OF WORK RELATED TO THE NEW BUILDING CONSTRUCTION, SEE INCREMENT NO. 2 BUILDING DEVELOPMENT PACKAGE.

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

SHEET TITLE

OVERALL SITE PLAN

SHEET NO.

A000

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

ONE AND ONE–HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE–QUARTERS INCH = ONE FOOT
ONE–HALF INCH = ONE FOOT
ONE–QUARTER INCH = ONE FOOT
ONE–EIGHTH INCH = ONE FOOT
ONE–SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

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:	Dry Creek Joint Elementary School District
Project Name/School:	Creekview Ranch School Expansion Project
Project Address:	8779 Cook Riolo Road, Roseville, CA 95747

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 (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

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

School District Acceptance of Acceptable Design Alternates

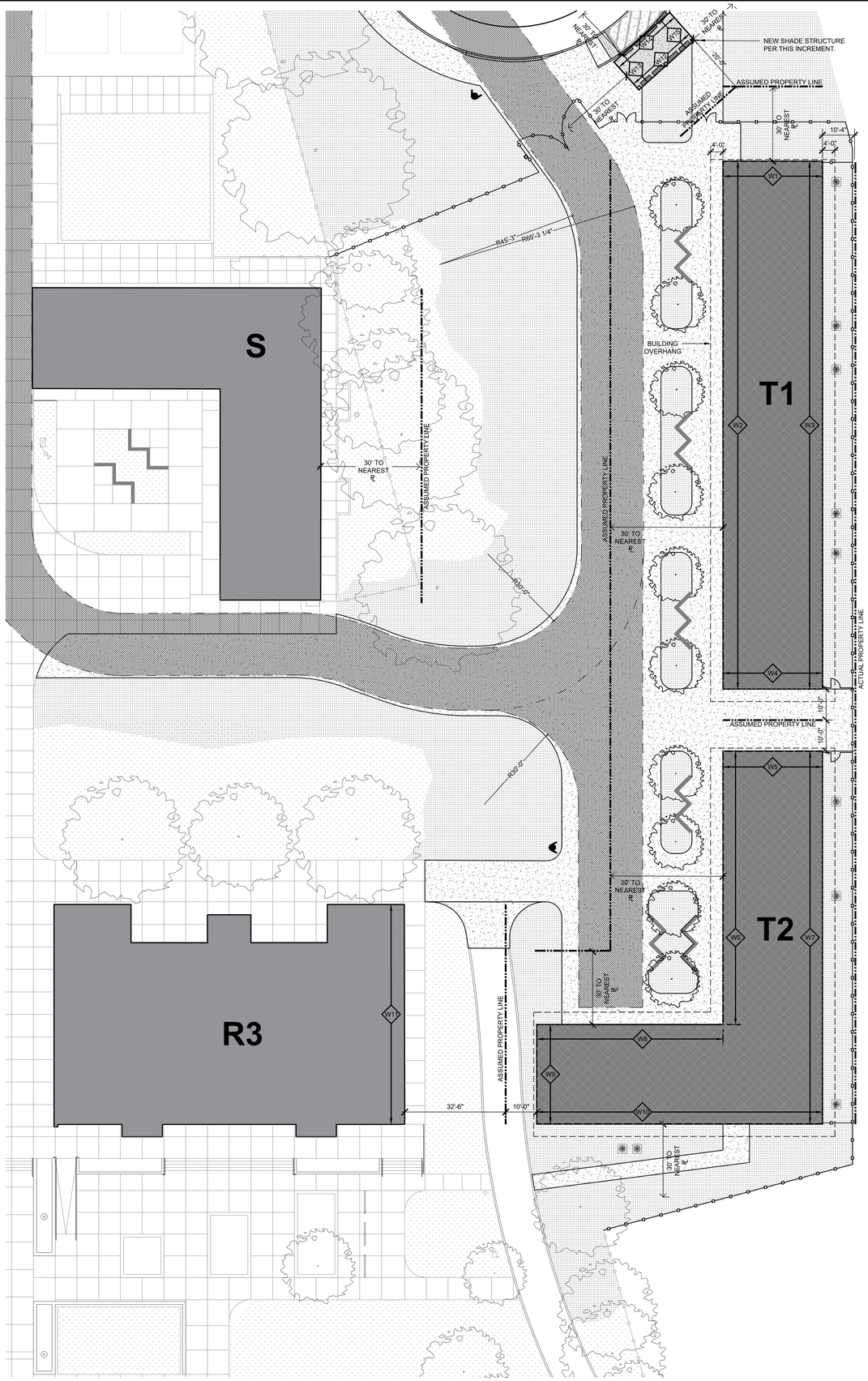
By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life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

Accepted by: Shaun Schondelmayer Title: Director of Facilities, MO&T

Signature: _____ Date: 12/19/25

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

LFA Reviewer's Signature: _____ Date: _____



1 BUILDING CODE ANALYSIS
SCALE: 1/16" = 1'-0"

NORTH

BUILDING DATA

BUILDING NAME	USE	OCC.	TYPE OF CONST.	ACTUAL AREA PER BUILDING (IN SQ. FT.)	ALLOWABLE AREA PER BUILDING (IN SQ. FT.)	ORIGINAL DSA APPLICATION #
BUILDING "T1"	CLASSROOM	E	V-B	5,437(BLDG) + 1,540 (OVERHANGS) 6,977 TOTAL	38,000	THIS APP.
BUILDING "T2"	CLASSROOM	E	V-B	5,769(BLDG) + 1,520 (OVERHANGS) 7,279 TOTAL	38,000	THIS APP.

BUILDING IS FIRE SPRINKLED WITH A FULL AUTOMATIC FIRE SPRINKLER SYSTEM.

PER CBC 705.2.3:

PROJECTIONS WITHIN 5 FEET OF PROPERTY LINE MUST BE 1-HOUR FIRE RATED CONSTRUCTION.

PROJECTIONS NOT ALLOWED WITHIN 2 FEET OF PROPERTY LINE.

THERE ARE NO PROJECTIONS WITHIN 5FT OF PROPERTY LINE ON THIS PROJECT.

PER CBC 602:

EXTERIOR WALLS OF TYPE V-B TO BE 1-HOUR FIRE RATED CONSTRUCTION WHEN LESS THAN 10 FEET FROM PROPERTY LINE.

THERE ARE NO WALLS WITHIN 10 FT FROM THE PROPERTY LINE ON THIS PROJECT.

PER CBC TABLE 705.8:

FOR PROPERTY LINE SEPARATION DISTANCES OF 10 FEET TO LESS THAN 15 FEET, MAXIMUM EXTERIOR WALL OPENING AREA FOR UNPROTECTED OPENINGS IN A FIRE SPRINKLED BUILDING IS 45%.

EAST WALL FACING PROPERTY LINE CONTAINS 28% UNPROTECTED WINDOWS, DOORS AND LOUVERS. THIS IS LESS THAN THE 45% ALLOWABLE.

ALLOWABLE BUILDING HEIGHT

BUILDING NAME	USE	OCC.	TYPE OF CONST.	ACTUAL BUILDING HEIGHT	ALLOWABLE BUILDING HEIGHT	ORIGINAL DSA APPLICATION #
BUILDING "T1"	CLASSROOM	E	V-B	16 FT	60 FT	THIS APP.
BUILDING "T2"	CLASSROOM	E	V-B	16 FT	60 FT	THIS APP.

EXTERIOR WALL FIRE RATINGS

WALL	FIRE SEPARATION DISTANCE	OCC.	REQUIRED FIRE RATING	ACTUAL FIRE RATING	MAX. ALLOWABLE UNPROTECTED OPENINGS (AS A PERCENTAGE OF TOTAL WALL AREA PER CBC 705.8)	ACTUAL UNPROTECTED OPENINGS (AS A PERCENTAGE OF TOTAL WALL AREA)	
W1	+30'-0"	E	NR	NR	NO LIMIT	TOTAL WALL AREA: 380 s.f. OPENING AREA: 0 s.f.	0%
W2	+30'-0"	E	NR	NR	NO LIMIT	TOTAL WALL AREA: 1,570 s.f. OPENING AREA: 448 s.f.	29%
W3	+30'-0"	E	NR	NR	NO LIMIT	TOTAL WALL AREA: 1,417 s.f. OPENING AREA: 402 s.f.	29%
W4	+10'-0"	E	NR	NR	25%	TOTAL WALL AREA: 380 s.f. OPENING AREA: 64 s.f.	17%
W5	+10'-0"	E	NR	NR	25%	TOTAL WALL AREA: 380 s.f. OPENING AREA: 182 s.f.	15%
W6	+30'-0"	E	NR	NR	NO LIMIT	TOTAL WALL AREA: 830 s.f. OPENING AREA: 233 s.f.	23%
W7	+30'-0"	E	NR	NR	NO LIMIT	TOTAL WALL AREA: 1,151 s.f. OPENING AREA: 233 s.f.	21%
W8	+30'-0"	E	NR	NR	NO LIMIT	TOTAL WALL AREA: 560 s.f. OPENING AREA: 188 s.f.	34%
W9	+10'-0"	E	NR	NR	NO LIMIT	TOTAL WALL AREA: 380 s.f. OPENING AREA: 0 s.f.	0%
W10	+30'-0"	E	NR	NR	NO LIMIT	TOTAL WALL AREA: 868 s.f. OPENING AREA: 179 s.f.	21%
W11	+30'-0"	E	NR	NR	NO LIMIT	TOTAL WALL AREA: 1,300 s.f. OPENING AREA: 160 s.f.	12%
W12	+20'-0"	A-3	NR	NR	NO LIMIT	TOTAL WALL AREA: 216 s.f. OPENING AREA: 216 s.f.	100%
W13	+30'-0"	A-3	NR	NR	NO LIMIT	TOTAL WALL AREA: 108 s.f. OPENING AREA: 108 s.f.	100%
W14	+30'-0"	A-3	NR	NR	NO LIMIT	TOTAL WALL AREA: 216 s.f. OPENING AREA: 216 s.f.	100%
W15	+30'-0"	A-3	NR	NR	NO LIMIT	TOTAL WALL AREA: 108 s.f. OPENING AREA: 108 s.f.	100%

NOTE: THE FLOOR PLANS SHOWN FOR THE NEW BUILDINGS ARE FOR REFERENCE ONLY AND ARE PROVIDED TO ASSIST IN THE INCREMENT NO. 1 SITE DEVELOPMENT PACKAGE ACCESS AND FIRE LIFE SAFETY REVIEW AT THE DIVISION OF THE STATE ARCHITECT UNDER INCREMENT NO. 1. FOR SCOPE OF WORK RELATED TO THE NEW BUILDING CONSTRUCTION, SEE INCREMENT NO. 2 BUILDING DEVELOPMENT PACKAGE.

LEGEND:

- EXISTING BUILDINGS
- NEW MODULAR BUILDINGS PER PC DRAWINGS TO BE SUBMITTED IN INCREMENT 2 OF THIS PROJECT.
- (E) LANDSCAPING AREAS - PROTECT IN PLACE AND PATCH AREAS AROUND CONSTRUCTION. KEEP FREE OF DUST AND DEBRIS AND THOUROUGHLY CLEAN GROUND, PLANTS, TREES, AND DRAINS TO MAINTAIN AREA.
- NEW LANDSCAPE AREA - SEE LANDSCAPE DRAWINGS FOR PLANTS, TREES, IRRIGATIONS, AND OTHER LANDSCAPE ELEMENTS. COORD. WITH CIVIL FOR DRAINAGE AND GRADING.
- NEW CONCRETE WALKWAY - ALL NEW PAVING EXCLUDING RAMPS AND SLOPED WALKS SHALL BE SLOPED 2% OR LESS IN ALL DIRECTIONS. SEE 1/C7.1 FOR CONCRETE SECTION. SEE CIVIL DRAWINGS FOR GRADES AND DRAIN LOCATIONS.
- (E) CONCRETE WALKWAY TO REMAIN. PROTECT IN PLACE.
- CONTINUED FIRE APPARATUS ACCESS ROAD WITH ACCESS TO ALL SIDES OF NEW AND EXISTING BUILDINGS. THE ROAD SHALL BE 20' WIDE MINIMUM AT ALL POINTS/CORNERS AND ALL CORN- ERS TO HAVE A MINIMUM INNER RADIUS OF 30' AND MINIMUM EXTERIOR RADIUS OF 50'. ALL VEHICULAR GATES SHALL BE EQUIPPED WITH AN APPROVED KNOX BOX.
- NEW 6FT OMEGA FENCING AND GATES. SEE A105 FOR DETAILS.
- (E) OMEGA FENCING TO REMAIN. PROTECT IN PLACE.

FIRE FLOW INFORMATION

FIRE FLOW PROVIDED:
CONSTRUCTION TYPE TYPE V-B | SQUARE FOOTAGE. 11,200 SF. | REQUIRED FIRE FLOW 1,500 GPM

FIRE FLOW PROVIDED:
1,668 GPM (SEE ATTACHED FIRE FLOW)

EMERGENCY RESPONDER:

NEW BUILDINGS SHALL BE PROVIDED WITH EMERGENCY RESPONDER RADIO COVERAGE IN ACCORDANCE WITH CALIFORNIA FIRE CODE SECTION 510. THE PROJECT ARCHITECT (AOR) SHALL CONTACT THE LOCAL FIRE DEPARTMENT AND/OR EMERGENCY COMUNICATIONS AUTHORITY TO OBTAIN DESIGN, EQUIPMENT SPECIFICATIONS, TESTING AND ACCEPTANCE CRITERIA, PLANS AND REQUESTED DOCUMENTATION SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL. UPON COMPLETION, COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS, TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT.

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

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8779 Cook Riolo Road,
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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

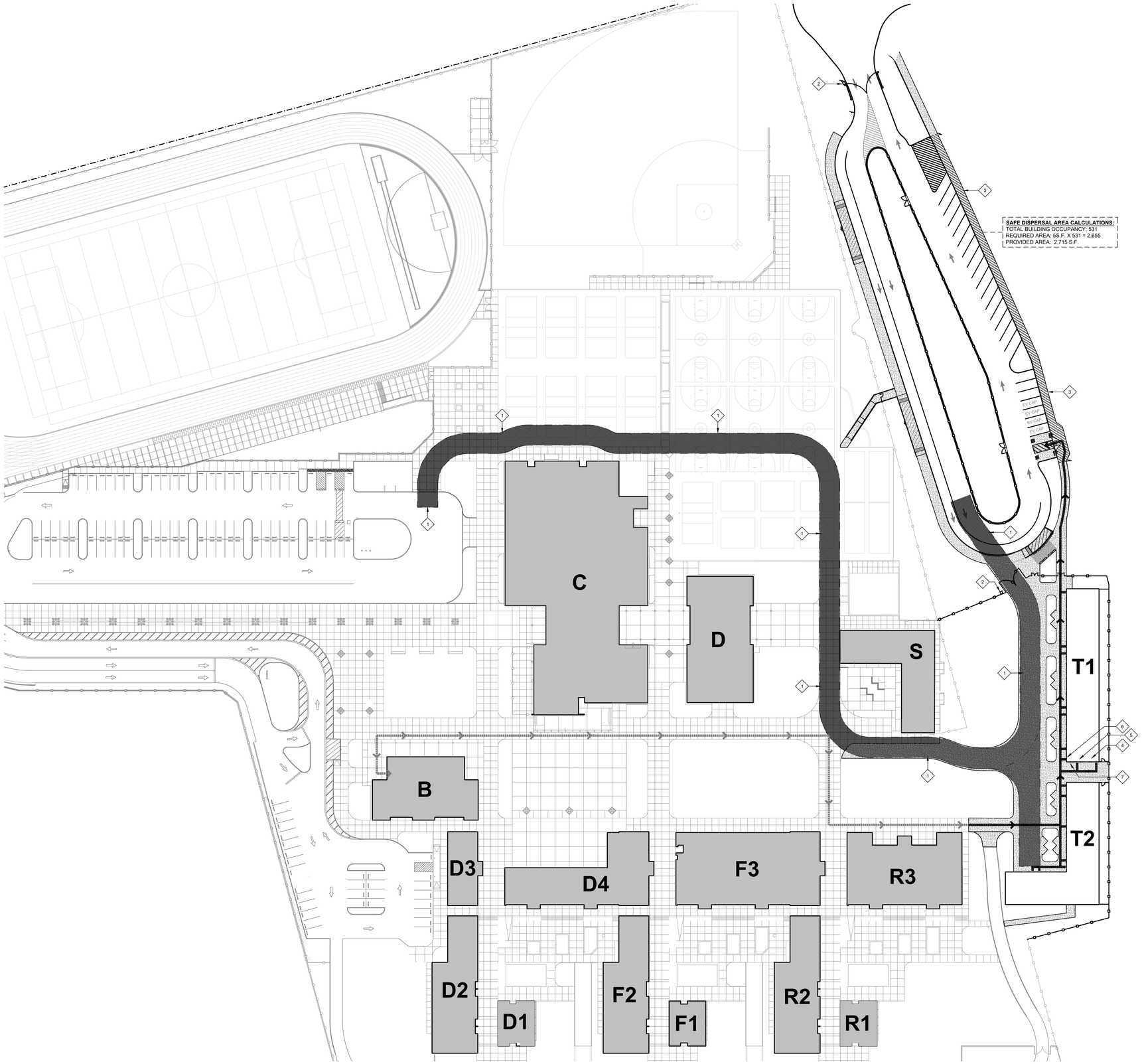
DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

BUILDING CODE ANALYSIS

SHEET NO.

A001

ONE AND ONE–HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE–QUARTERS INCH = ONE FOOT
ONE–HALF INCH = ONE FOOT
ONE–QUARTER INCH = ONE FOOT
ONE–EIGHTH INCH = ONE FOOT
ONE–SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET



1 SITE CODE ANALYSIS
SCALE: 1:40

NORTH

GENERAL SHEET NOTES:

1. ALL (N) CONCRETE SITE WORK EXCLUDING RAMPS AND SLOPED WALKS SHALL BE LESS THAN 2% SLOPE IN ALL DIRECTIONS. RELOCATE EXISTING AREA DRAINS. REPLACE VALVE BOXES AND COORDINATE WITH CIVIL DRAWINGS FOR SCOPE OF WORK IN THESE LOCATIONS.
2. ALL LANDSCAPED AREAS SHALL BE LESS THAN 4" BELOW FINISHED ADJACENT CONCRETE WALK.
3. SEE CIVIL DRAWINGS FOR ALL FLATWORK PAVING, SEAL COATING, STRIPING, AND OTHER ADDITIONAL DETAILS.
4. CONTRACTOR SHALL COORDINATE EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO EXCAVATION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE AND DAMAGED BUILDINGS, BUILDINGS, SITE ELEMENTS, LANDSCAPE, IRRIGATION SYSTEMS, WALKS, OR CURBS TO MATCH EXISTING.
5. PROTECT SITE SIGNAGE IN PLACE DURING CONSTRUCTION UNLESS NOTED TO BE REMOVED. SIGNAGE REQUIRED TO BE REMOVED TO ADEQUATELY PERFORM WORK SHALL BE REINSTALLED AT COMPLETION OF WORK.
6. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
7. AT ALL LOCATIONS WHERE NEW AND/OR EXISTING CONCRETE WILL BE USED FOR HEAVY BOBCAT PIVOTING OR TRACTOR TRAFFIC, CONTRACTOR SHALL PROTECT CONCRETE FINISH FROM TIRE TRACKS/SKID MARKS AND POWER WASH ALL AFFECTED CONCRETE TO FULLY REMOVE TIRE MARKS/SKIDS.
8. AT ALL AREAS LABELLED "NEW LANDSCAPE", REFER TO LANDSCAPE DRAWINGS FOR PLANTING LOCATIONS, TREE LOCATIONS, BOULDER LOCATIONS, AND OTHER LANDSCAPE ELEMENTS.

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY.

1. FIRE APPARATUS ROAD, SEE LEGEND FOR ADDITIONAL INFORMATION.
2. NEW KNOX BOX. SEE SPECS FOR PRODUCT AND VERIFY HEIGHT REQUIREMENTS PER AUTHORIZING FIRE DISTRICT.
3. SAFE DISPERSAL AREA
4. NEW ACCESSIBLE GIRLS RESTROOM PER INCREMENT 02.
5. NEW ACCESSIBLE BOYS RESTROOM PER INCREMENT 02.
6. NEW ACCESSIBLE STAFF RESTROOM PER INCREMENT 02.
7. NEW ACCESSIBLE HI-LOW DRINKING FOUNTAIN PER INCREMENT 02.
8. NEW ACCESSIBLE HI-LOW DRINKING FOUNTAIN PER INCREMENT 02.

LEGEND:

CONTINUED FIRE APPARATUS ACCESS ROAD WITH ACCESS TO ALL SIDES OF NEW AND EXISTING BUILDINGS. THE ROAD SHALL BE 20' WIDE MINIMUM AT ALL POINTS/CORNERS AND ALL CORNERS TO HAVE A MINIMUM INNER RADIUS OF 30' AND MINIMUM EXTERIOR RADIUS OF 50'. ALL VEHICULAR GATES SHALL BE EQUIPPED WITH AN APPROVED KNOX BOX.

SAFE DISPERSAL AREA WITH REQUIRED ILLUMINATION ON AN ACCESSIBLE PATH OF TRAVEL. SEE ELECTRICAL DRAWINGS FOR ILLUMINATION LAYOUT AND INFORMATION.

EXISTING ACCESSIBLE PATH OF TRAVEL PER APPLICATION 02-116791. PROVIDE FLUSH TRANSITIONS FROM IDENTIFIED EXISTING PATH OF TRAVEL TO NEW PATH OF TRAVEL.

THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTION OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) 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 PORTION OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO 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, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A "CONSTRUCTION CHANGE DOCUMENT" (FROM DSA 140).

BUILDING OCCUPANCY (SHOWN ON A101)

BUILDING NAME	FLOOR AREA	OCCUPANT LOAD	TOTAL OCCUPANTS
BUILDING "T1"	5,440 SQ.FT	20 FT./PERSON	240
BUILDING "T2"	5,760 SQ.FT	20 FT./PERSON	291
		TOTAL:	531

GATE EGRESS LOADS

GATE NUMBER	GATE WIDTH	ALLOWABLE PERSONS PER GATE (WIDTH x 0.2)	ACTUAL PERSONS USING EGRESS
G02	80"	400 PERSONS MAXIMUM	531
G03	80"	400 PERSONS MAXIMUM	

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

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ARCHITECT

REVISIONS

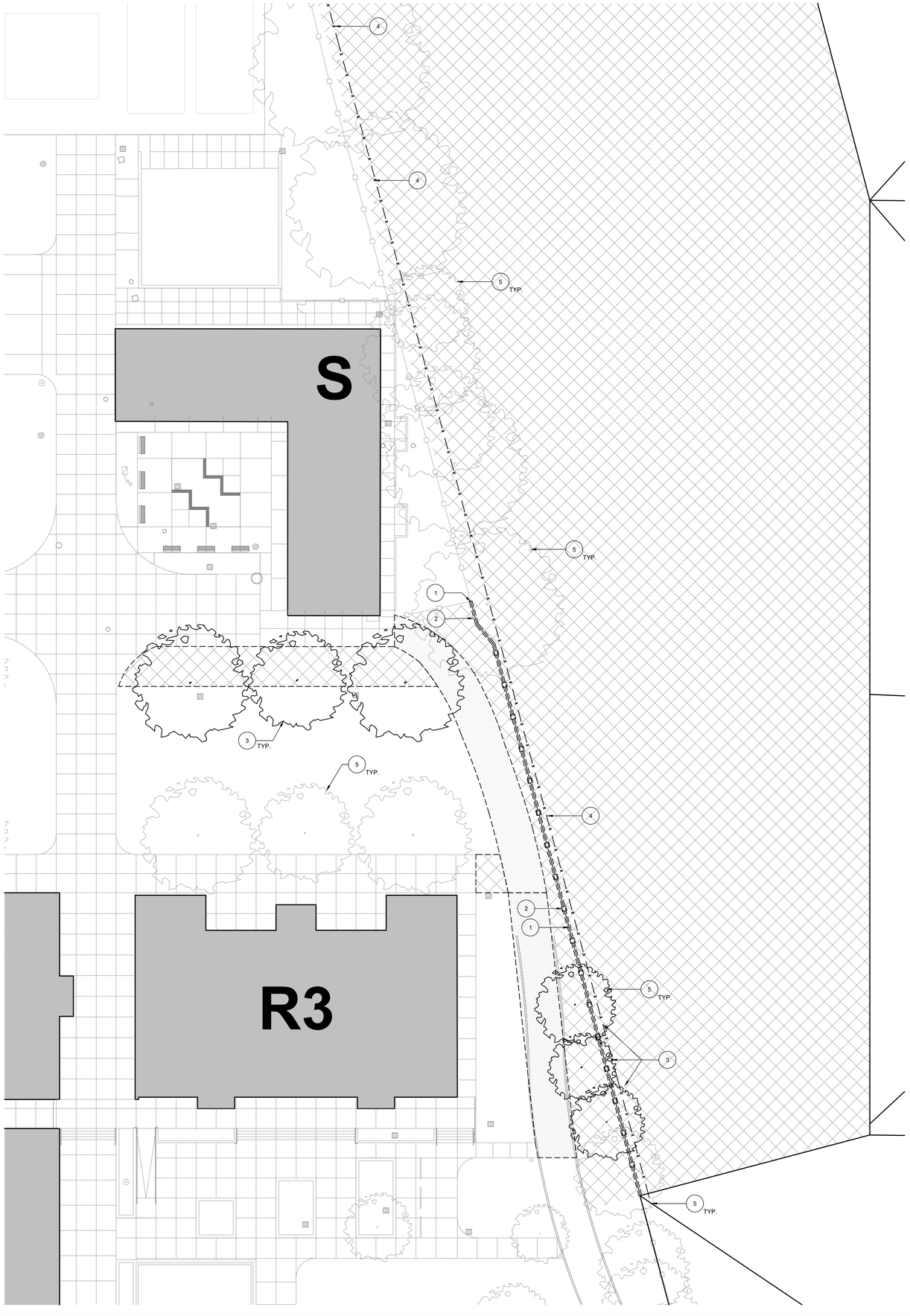
NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

SITE CODE ANALYSIS

SHEET NO.

A100



GENERAL SHEET NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. SEE CIVIL SHEETS FOR APPROXIMATE SITE UTILITY LOCATIONS. NOT ALL UTILITIES ARE SHOWN.
2. NO DEMOLITION SHALL BEGIN UNTIL ALL PLANS AND DRAWINGS HAVE BEEN APPROVED BY DSA.

DEMOLITION KEYNOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. DEMO EXISTING OMEGA II FENCING UP TO NEAREST POST. REMOVE ALL POSTS AND POST FOOTINGS IN THEIR ENTIRETY.
2. DEMO EXISTING CONCRETE CURB.
3. DEMO EXISTING TREE
4. DEMO EXISTING WOOD AND WIRE FENCE. REMOVE POST FOOTINGS IN THEIR ENTIRETY.
5. EXISTING TREE TO REMAIN. CLEAN UP LOW HANGING LIMBS AND MISC. INVASIVE WEEDS AND SHRUBS PRIOR TO INSTALLING BARK OR OTHER LANDSCAPING. SEE LANDSCAPE PLANS AND TREE AND SHRUB PLANTING SHEETS FOR SCOPE IN EACH LANDSCAPING AREA.

LEGEND:

EXTENT OF DEMOLITION WORK - DEMO EXISTING SITE ELEMENTS, REMOVE SHRUBS, PATHS, ASPHALT, FENCING, FENCE POSTS, AND TREES AS SHOWN IN ORDER TO PERFORM NEW WORK. SEE CIVIL DRAWINGS FOR ADDITIONAL SCOPE AND GRADING PLANS.

DEMO EXISTING CONCRETE/ASPHALT WALKWAY AND CURB. PREP GROUND FOR NEW CONCRETE AND NEW LANDSCAPING AS SHOWN IN CIVIL AND LANDSCAPING PLANS.

EXISTING BUILDINGS

1 DEMOLITION SITE PLAN
SCALE: 1/16" = 1'-0"

NORTH

INCREMENT NO. 1

BID SET

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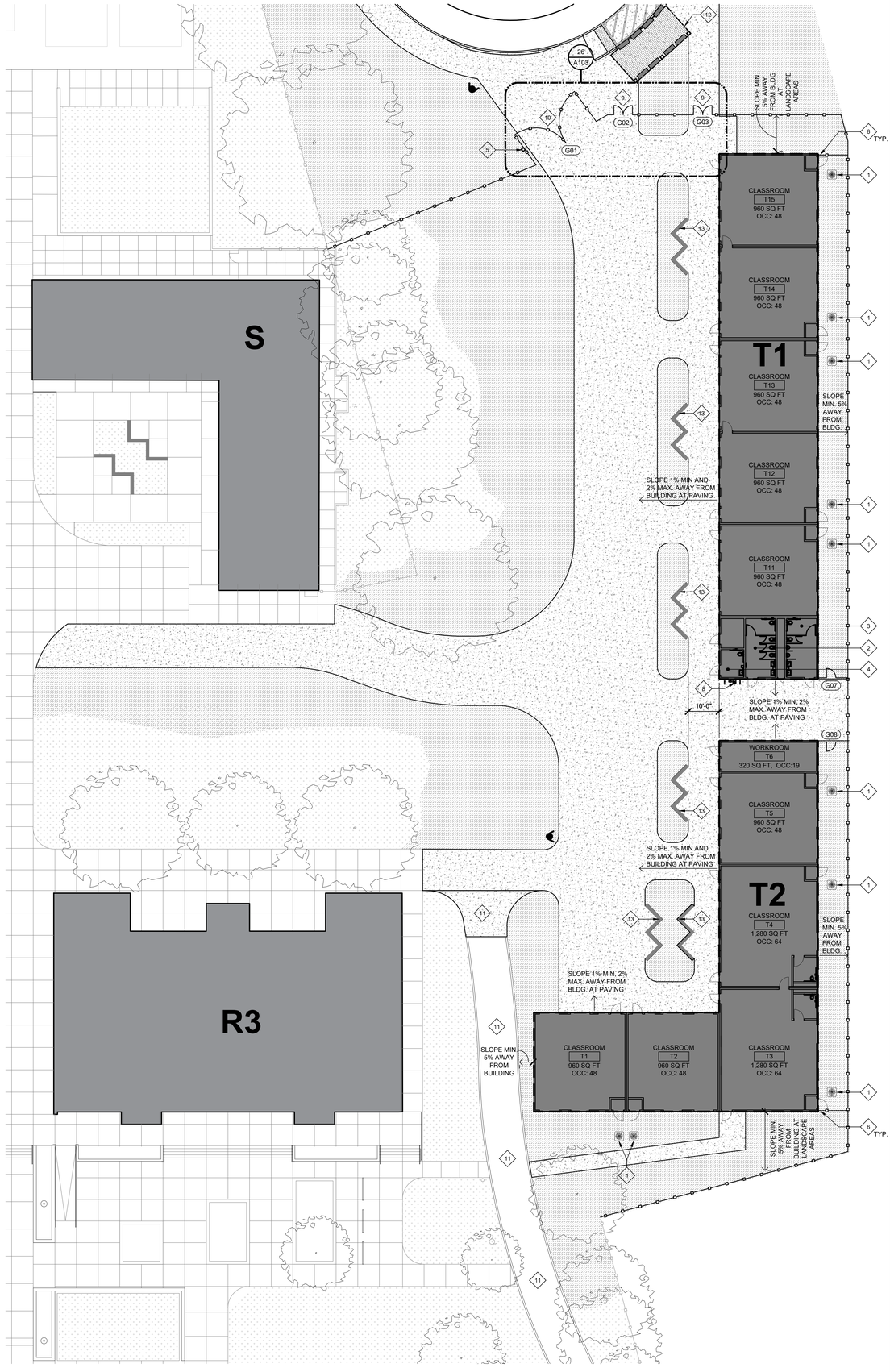
SHEET TITLE

DEMOLITION
SITE PLAN

SHEET NO.

A101D

ONE INCH = TWENTY FEET 0 10 20 40 60 80
ONE-SIXTEENTH INCH = ONE FOOT 0 1 2 4 6 8 16
ONE-EIGHTH INCH = ONE FOOT 0 2 4 8 12 16
ONE-QUARTER INCH = ONE FOOT 0 4 8
ONE-HALF INCH = ONE FOOT 0 4
THREE-QUARTERS INCH = ONE FOOT 0 6 12
ONE INCH = ONE FOOT 0 6
ONE AND ONE-HALF INCH = ONE FOOT 0 6 1'



1 ENLARGED SITE PLAN - SITE ALTERATIONS

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

NORTH

GENERAL SHEET NOTES:

1. SEE CIVIL SHEETS FOR SITE WORK AND PAVING REPLACEMENT ALONG ACCESSIBLE PATH OF TRAVEL.
2. ALL NEW PAVING EXCLUDING RAMPS AND SLOPED WALKS SHALL BE SLOPED 2% OR LESS IN ALL DIRECTIONS. SEE CIVIL DRAWINGS FOR GRADES AND DRAIN LOCATIONS.

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY.

1. NEW 3'-0"x3'-0" EQUIPMENT PAD PER 16/A105.
2. NEW ACCESSIBLE GIRLS RESTROOM PER INCREMENT NO. 2 OF THIS APPLICATION.
3. NEW ACCESSIBLE BOYS RESTROOM PER INCREMENT NO. 2 OF THIS APPLICATION.
4. NEW ACCESSIBLE STAFF RESTROOM PER INCREMENT NO. 2 OF THIS APPLICATION.
5. NEW KNOX BOX MOUNTED TO GATE. SEE GATE DETAILS ON A105 FOR HEIGHT.
6. SEE DETAIL 14/A105 FOR FENCING CONDITIONS NEAR BUILDING FOOTINGS.
7. NOT USED.
8. NEW ACCESSIBLE HI-LOW DRINKING FOUNTAINS PER INCREMENT NO. 2 OF THIS APPLICATION.
9. NEW PAIR OF PEDESTRIAN GATES. SEE DETAIL 7/A105.
10. NEW VEHICULAR GATES.
11. EXISTING MAINTENANCE ROAD TO REMAIN. REMOVE PORTION OF ROAD AND FEATHER TO NEW CONCRETE WALK TO CREATE FLUSH TRANSITION.
12. NEW METAL CANOPY - SEE ATTACHED PC DRAWINGS FOR ADDITIONAL INFO.
13. NEW SEAT WALL - SEE CIVIL FOR DETAILS AND CONCRETE CONNECTIONS.

LEGEND:

- EXISTING BUILDINGS
- NEW MODULAR BUILDINGS SUBMITTED IN INCREMENT 2 OF THIS PROJECT.
- EXISTING LANDSCAPING AREAS - PROTECT IN PLACE AND PATCH AREAS AROUND CONSTRUCTION. KEEP FREE OF DUST AND DEBRIS AND THOUROUGHLY CLEAN GROUND, PLANTS, TREES, AND DRAINS TO MAINTAIN AREA.
- NEW LANDSCAPE AREA - SEE LANDSCAPE DRAWINGS FOR PLANTS, TREES, IRRIGATIONS, AND OTHER LANDSCAPE ELEMENTS. COORDINATE WITH CIVIL FOR PLACEMENT OF DRAINAGE AND GRADING.
- NEW TYPE 3 CONCRETE WALKWAY PER C4.2. SEE CONCRETE SECTION DETAIL 1/C7.1. ALL NEW PAVING EXCLUDING RAMPS AND SLOPED WALKS SHALL BE SLOPED 2% OR LESS IN ALL DIRECTIONS. SEE CIVIL DRAWINGS FOR GRADES AND DRAIN LOCATIONS.
- NEW 6FT OMEGA FENCING AND GATES. SEE A105 FOR DETAILS.
- (E) OMEGA FENCING TO REMAIN. PROTECT IN PLACE.
- GXX GATE TAG - SEE GATE SCHEDULE BELOW.

BUILDING OCCUPANT LOAD

BUILDING NAME	FLOOR AREA	OCCUPANT LOAD	TOTAL OCCUPANTS
BUILDING "T1"	5,440 SQ FT	20 FT./PERSON	240
BUILDING "T2"	5,760 SQ FT	20 FT./PERSON	291

PATH TO PUBLIC WAY CALCULATIONS

BUILDING NAME	FLOOR AREA	OCCUPANT LOAD	AREA REQUIRED	AREA REQUIRED	AREA PROVIDED
BUILDING "T1"	5,440 SQ FT	240	5	1,200 SQ FT	2,700 SQ FT (AREA SHOWN ON A100)
BUILDING "T2"	5,760 SQ FT	291	5	1,455 SQ FT	

GATE GENERAL NOTES:

ALL GATES IN THE ACCESSIBLE PATH OF TRAVEL SHALL:

- PROVIDE 32" MINIMUM CLEAR ACCESS.
- BE PROVIDED WITH LEVER TYPE OR PANIC BAR LOCKS & LATCHES AND REQUIRE A MAXIMUM OF 5# OF FORCE TO ACTIVATE.
- BE PUSHED OR PULLED OPEN WITH A MAXIMUM FORCE OF 5# (11B-404.9).
- HAVE MAXIMUM THRESHOLD HEIGHT OF 1/2" WITH 1/4" MAXIMUM. VERTICAL RISE WITH REMAINDER BEVELED AT 2:1.
- HAVE A MANEUVERING CLEARANCE ON EACH SIDE WITH MAX SLOPE OF 1:48. CLEARANCE SHALL EXTEND 5FT. PERPENDICULAR TO THE FULL WIDTH OF THE CLOSED GATE AND 24" BEYOND THE LATCH ON THE PULL SIDE, AND 4FT. THE FULL WIDTH AND PERPENDICULAR TO THE PUSH SIDE.

GATE SCHEDULE

GATE NO.	NOMINAL GATE SIZE	MATERIAL	FINISH	HARDWARE GROUP (SEE SPECS)	DETAIL
G01	PR. 12'-0" X 6'-0"	OMEGA II IRON	FACTORY FINISH	VEHICULAR GATE	13/A105
G02	PR. 3'-6" X 8'-0"	OMEGA II IRON	FACTORY FINISH	GROUP G02 SEE 08 71 00	7/A105
G03	PR. 3'-6" X 8'-0"	OMEGA II IRON	FACTORY FINISH	GROUP G02 SEE 08 71 00	7/A105
G04	3'-6" X 8'-0"	OMEGA II IRON	FACTORY FINISH	GROUP G01 SEE 08 71 00	12/A105
G05	PR. 5'-0" X 6'-0"	OMEGA II IRON	FACTORY FINISH	MAINTENANCE GATE	27/A105
G06	PR. 5'-0" X 6'-0"	OMEGA II IRON	FACTORY FINISH	MAINTENANCE GATE	27/A105
G07	3'-6" X 8'-0"	OMEGA II IRON	FACTORY FINISH	GROUP G01 SEE 08 71 00	17/A105
G08	3'-6" X 8'-0"	OMEGA II IRON	FACTORY FINISH	GROUP G01 SEE 08 71 00	17/A105
G09	30" WIDE	STEEL	PAINTED SAFETY YELLOW	SEE DETAIL 30/A105	25/A105

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NO.	DESCRIPTION	DATE

DATE: 06/25/2026

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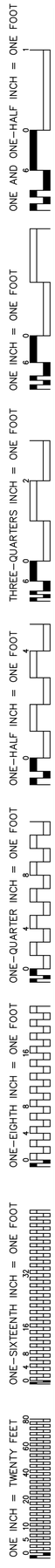
SHEET TITLE

ENLARGED SITE PLAN - NEW WORK

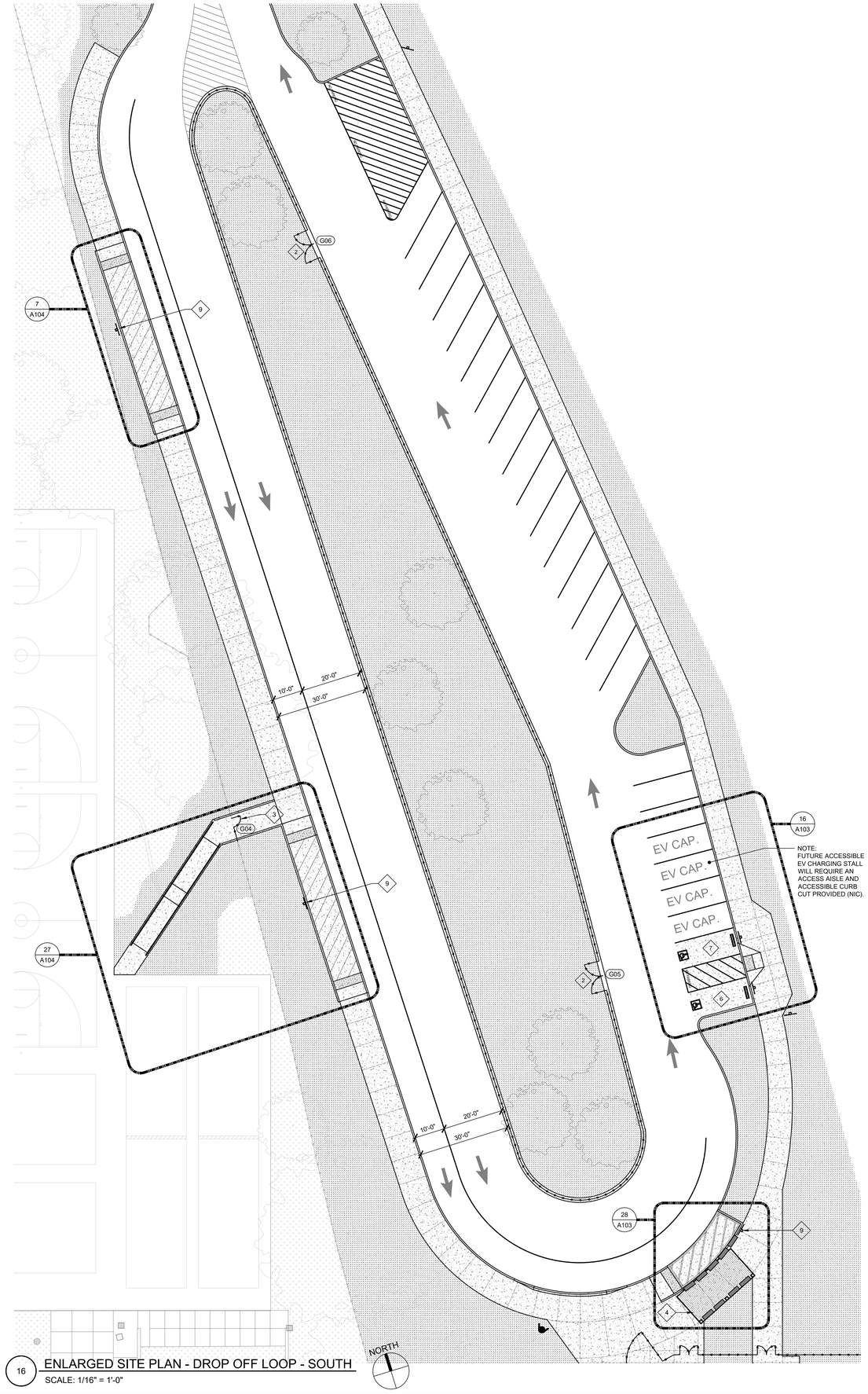
SHEET NO.

A101



26 ENLARGED SITE PLAN - DROP OFF LOOP - NORTH

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



16 ENLARGED SITE PLAN - DROP OFF LOOP - SOUTH

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

GENERAL SHEET NOTES:

1. SEE CIVIL SHEETS FOR SITE WORK AND PAVING REPLACEMENT ALONG ACCESSIBLE PATH OF TRAVEL.

KEYNOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY.

1. NEW VEHICULAR GATES. SEE DETAIL 25/A105.
2. NEW PAIR OF MAINTENANCE GATES - SEE DETAIL 27/A105.
3. NEW ACCESSIBLE PEDESTRIAN GATE - SEE DETAIL 12/A105.
4. NEW METAL CANOPY - SEE ATTACHED PC DRAWINGS FOR ADDITIONAL INFO.
5. NEW TOW AWAY SIGN PER THIS APPLICATION. SEE 5/C5.1.
6. NEW STANDARD ACCESSIBLE PARKING STALL PER THIS APPLICATION.
7. NEW VAN ACCESSIBLE PARKING STALL PER THIS APPLICATION. SEE ENLARGED PLANS FOR DIMENSIONS.
8. NOT USED.
9. NEW ACCESSIBLE DROP OFF ZONE SIGN - SEE DETAIL 23/A105
10. NOT USED.
11. NEW KNOX BOX MOUNTED TO GATE. SEE GATE DETAILS ON A105 FOR HEIGHT.

LEGEND:

- EXISTING LANDSCAPING AREAS - PROTECT IN PLACE AND PATCH AREAS AROUND CONSTRUCTION. KEEP FREE OF DUST AND DEBRIS AND THOUROUGHLY CLEAN GROUND, PLANTS, TREES, AND DRAINS TO MAINTAIN AREA.
- NEW LANDSCAPE AREA - SEE LANDSCAPE DRAWINGS FOR PLANTS, TREES, IRRIGATIONS, AND OTHER LANDSCAPE ELEMENTS. COORDINATE WITH CIVIL FOR PLACEMENT OF DRAINAGE AND GRADING.
- NEW TYPE 3 CONCRETE WALKWAY PER C4.2. SEE CONCRETE SECTION DETAIL 1/C7.1. ALL NEW PAVING EXCLUDING RAMPS AND SLOPED WALKS SHALL BE SLOPED 2% OR LESS IN ALL DIRECTIONS. SEE CIVIL DRAWINGS FOR GRADES AND DRAIN LOCATIONS.
- NEW 6FT OMEGA FENCING AND GATES. SEE A105 FOR DETAILS.
- (E) OMEGA FENCING TO REMAIN. PROTECT IN PLACE.
- GXX GATE TAG - SEE GATE SCHEDULE BELOW.

PARKING LOT CALCULATIONS:

PER 2022 CBC TABLE 11B-208.2

NUMBER OF STALLS PROVIDED:	25
NUMBER OF ACCESSIBLE STALLS REQUIRED:	1
NUMBER OF ACCESSIBLE STALLS PROVIDED:	2
NUMBER OF VAN ACCESSIBLE STALLS PROVIDED:	1

PER 2022 CALIFORNIA GREEN BUILDING CODE TABLE 5.106.5.3.1 - EV PARKING

NUMBER OF TOTAL STALLS:	25
NUMBER OF EV CAPABLE STALLS REQUIRED:	4
NUMBER OF EV CAPABLE STALLS PROVIDED:	4

ACCESSIBLE DROP OFF CALCULATIONS

SEE ENLARGED DRAWINGS ON A103 AND A104 FOR DIMENSIONED ACCESSIBLE PICK-UP AND DROP-OFF AREAS.

PER 2022 CBC

TOTAL LINEAR FEET OF PICK-UP/DROP OFF:	520 LF
REQUIRED ACCESSIBLE LINEAR FEET:	120 LF
ACCESSIBLE LINEAR FEET PROVIDED:	126 LF

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DATE: 06/25/2026

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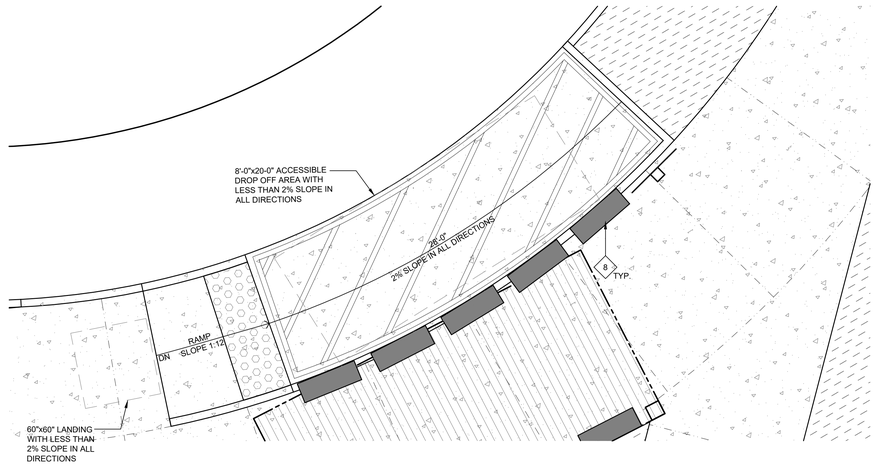
SHEET TITLE

ENLARGED SITE PLAN - PARKING AND DROP-OFF

SHEET NO.

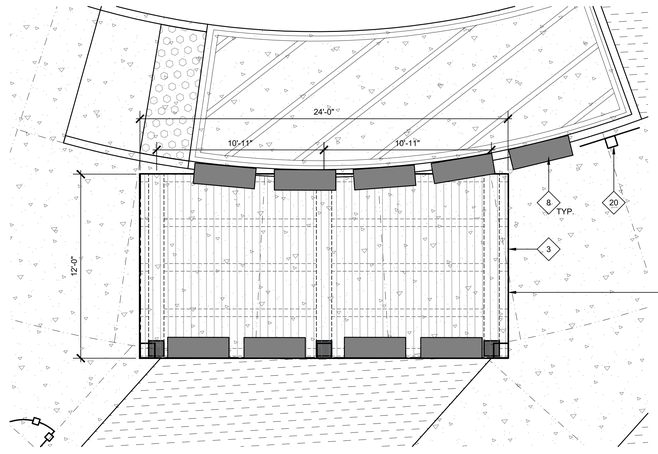
A102



29 ENLARGED SITE PLAN - DROP OFF CURB RAMP

SCALE: 1/4" = 1'-0"

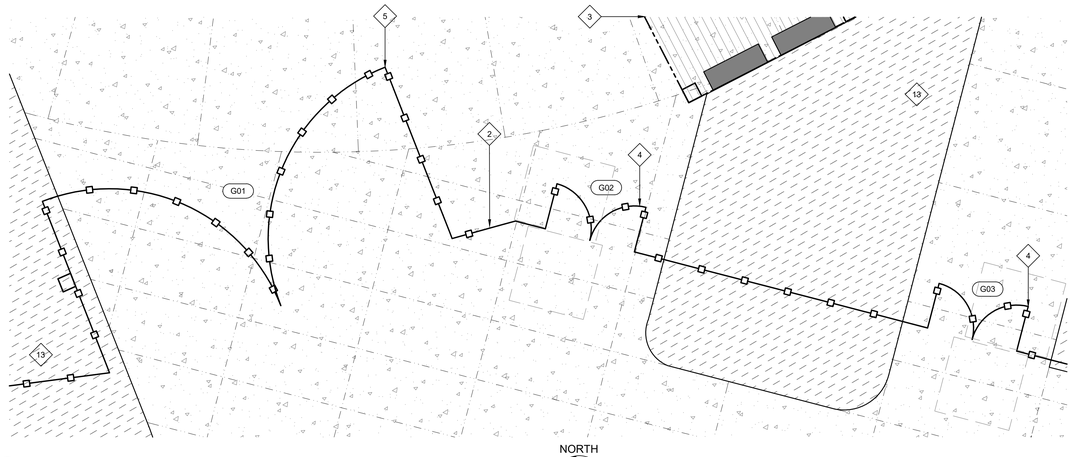
NORTH



28 ENLARGED SITE PLAN - SHADE CANOPY

SCALE: 1/4" = 1'-0"

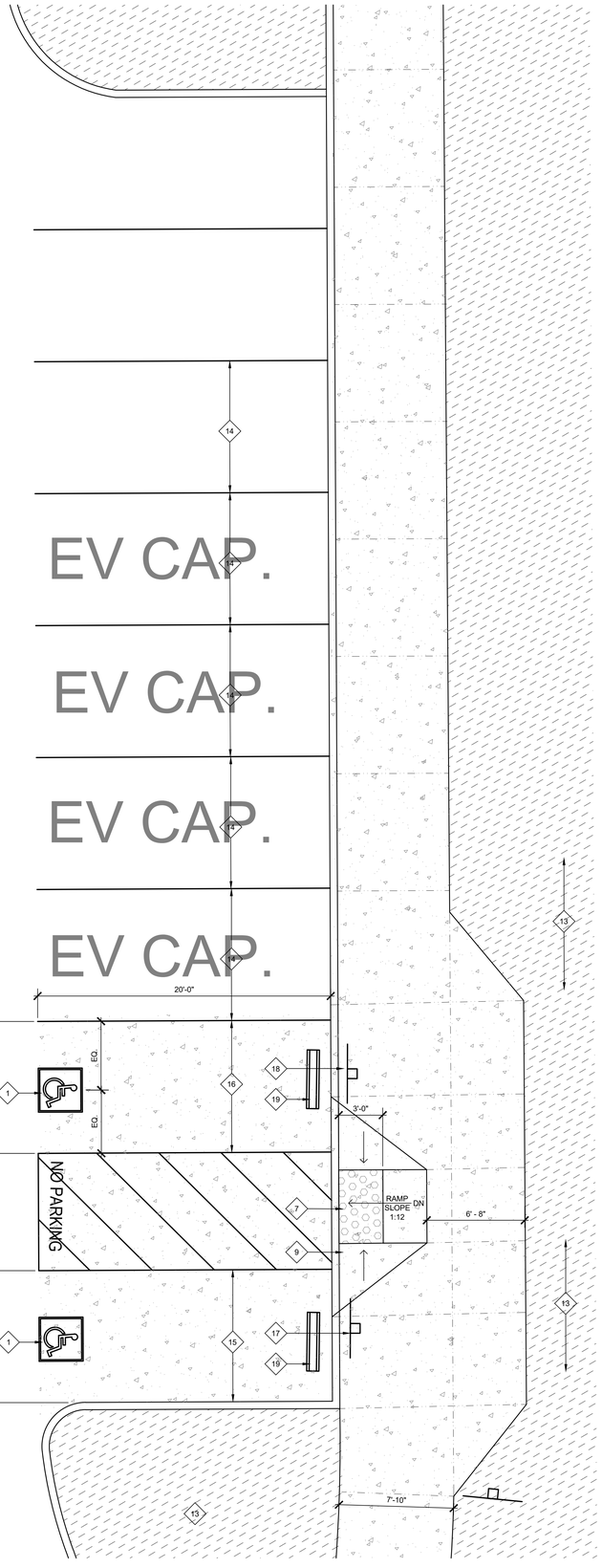
NORTH



26 ENLARGED SITE PLAN - VEHICULAR AND PEDESTRIAN GATES

SCALE: 1/4" = 1'-0"

NORTH



16 ENLARGED PLAN - NEW ACCESSIBLE PARKING STALLS

SCALE: 1/4" = 1'-0"

NORTH

GENERAL SHEET NOTES:

1. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
2. AT ALL LOCATIONS WHERE NEW AND/OR EXISTING CONCRETE WILL BE USED FOR HEAVY BOBCAT PIVOTING OR TRACTOR TRAFFIC, CONTRACTOR SHALL PROTECT CONCRETE FINISH FROM TIRE TRACKS/SKID MARKS AND POWER WASH ALL AFFECTED CONCRETE TO FULLY REMOVE TIRE MARKS/SKIDS.
3. CONTRACTOR SHALL COORDINATE EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO EXCAVATION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE AND DAMAGED BUILDINGS, BUILDINGS, SITE ELEMENTS, LANDSCAPE, IRRIGATION SYSTEMS, WALKS, OR CURBS TO MATCH EXISTING.
4. SEE CIVIL DRAWINGS FOR ADDITIONAL SCOPE AND DETAILS.
5. FOR ALL NEW UNDERGROUND ELECTRICAL, GAS DISTRIBUTION AND ALL OTHER UTILITY DISTRIBUTION, CONTRACTOR SHALL COORDINATE ACTUAL ROUTING WITH EXISTING UNDERGROUND UTILITIES. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE ANY DAMAGED LANDSCAPE AND IRRIGATION.
6. ALL NEW CONCRETE SITE WORK EXCLUDING RAMPS AND SLOPED WALKS SHALL BE LESS THAN 2% SLOPE IN ALL DIRECTIONS. SEE ENLARGED PLANS FOR LOCATIONS OF EXISTING DRAINS AND VALVE BOXES AND COORDINATE WITH CIVIL DRAWINGS FOR SCOPE OF WORK IN THESE LOCATIONS.

ALTERATION KEYNOTES:

KEYNOTES FOR THIS SHEET ONLY.

1. NEW 3'x3' ISA SYMBOL PER DETAIL 2/C5.1.
2. (N) OMEGA FENCING AND FENCE POSTS. SEE TYPICAL FENCE DETAILS ON A105.
3. (N) PC SHADE STRUCTURE - SEE ATTACHED PC DRAWINGS FOR ADDITIONAL INFORMATION. CLEAN OFF ALL CONCRETE DEBRIS PRIOR TO PAINTING.
4. (N) DOUBLE-LEAF 40" OMEGA II PEDESTRIAN GATE - SEE 7/A105.
5. (N) VEHICULAR GATE - SEE DETAIL 13/A105.
6. NOT USED.
7. (N) TRUNCATED DOMES. SEE 7/C7.1 AND 8/C7.1.
8. (N) CONCRETE SEAT/PLANTER WALLS PER DETAIL 12/C7.1.
9. NEW ADA ACCESSIBLE CURB RAMP - SEE DETAIL 9/C7.1 FOR MIN AND MAX DIMENSIONS.
10. NOT USED.
11. NOT USED.
12. NOT USED.
13. (N) LANDSCAPING AREA. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFO.
14. (N) EV CAPABLE PARKING STALL. SEE ELECTRICAL DRAWINGS FOR PATHWAYS.
15. NEW STANDARD ADA ACCESSIBLE PARKING SPACE
16. NEW VAN ACCESSIBLE PARKING SPACE.
17. NEW STANDARD ADA ACCESSIBLE PARKING SPACE SIGNAGE AND POST PER DETAIL 3/C5.1.
18. NEW VAN ADA ACCESSIBLE PARKING SPACE SIGNAGE AND POST PER 3/C5.1.
19. NEW CONCRETE WHEEL STOP PER DETAIL 4/C5.1.
20. NEW ACCESSIBLE DROP OFF ZONE SIGN - SEE DETAIL 23/A105.

LEGEND:

- GXX — GATE TAG - SEE GATE SCHEDULE ON DETAIL A101.
- (E) FENCING TO REMAIN.
- NEW OMEGA II IRON FENCING, FENCE POSTS, AND GATES.
- NEW EXPANSION JOINTS PER 1/C.7.1.
- NEW CONTROL JOINTS PER 1/C.7.1.
- NEW CONCRETE WALK. SEE CIVIL DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILS.
- NEW LANDSCAPING AREA - SEE LANDSCAPE DRAWINGS FOR TREES, PLANTS, AND OTHER LANDSCAPE ELEMENTS.

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

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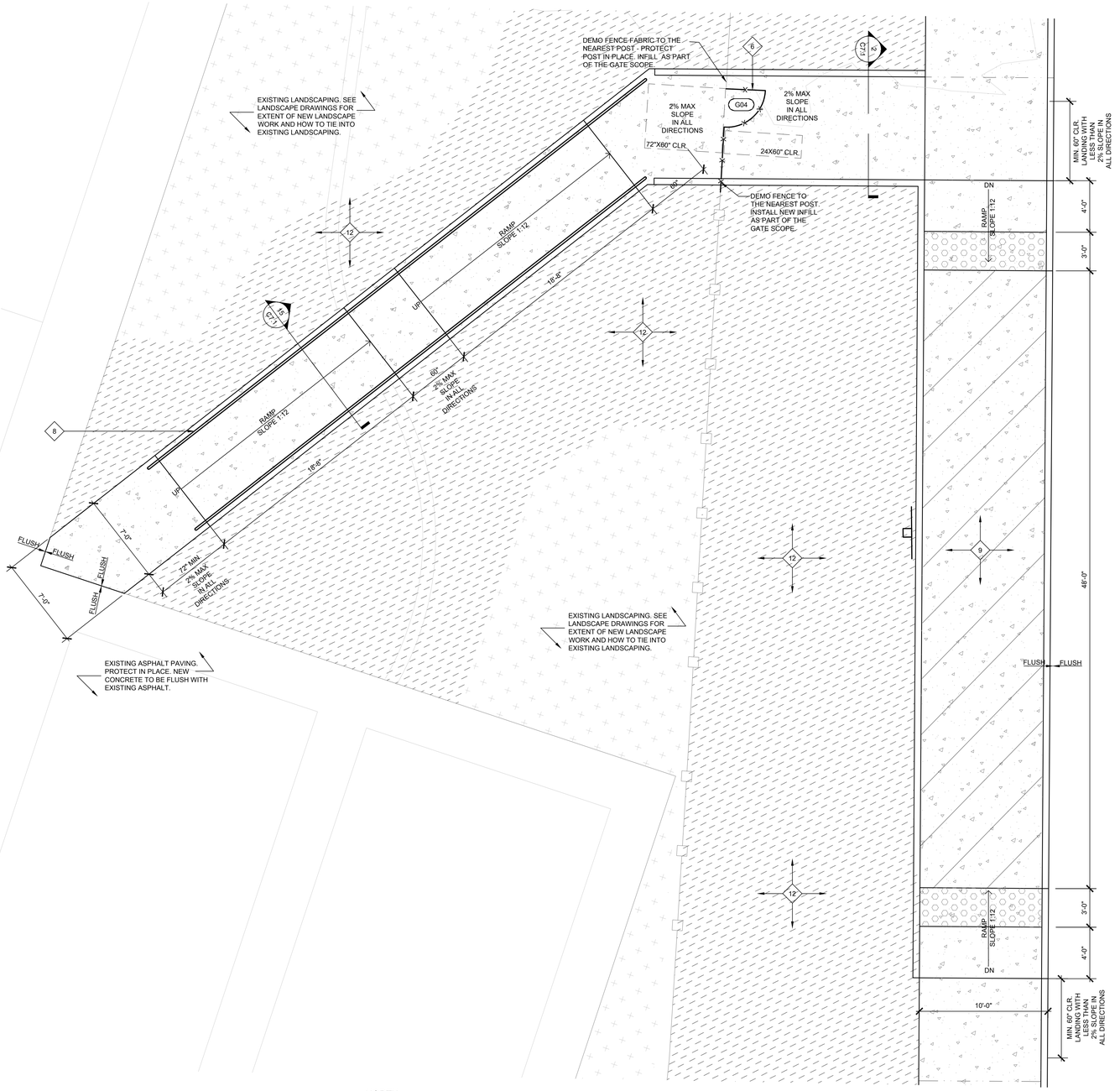
SHEET TITLE

ENLARGED SITE PLANS

SHEET NO.

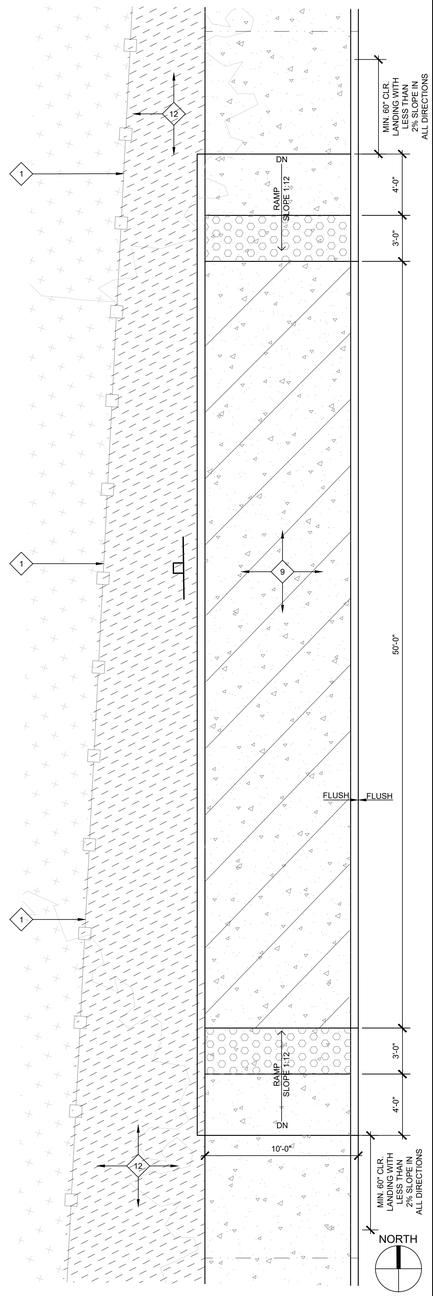
A103



27 ENLARGED SITE PLAN - DROP OFF CURB RAMP

SCALE: 1/4" = 1'-0"

NORTH



7 ENLARGED SITE PLAN - DROP OFF CURB RAMP

SCALE: 1/4" = 1'-0"

NORTH

GENERAL SHEET NOTES:

1. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
2. AT ALL LOCATIONS WHERE NEW AND/OR EXISTING CONCRETE WILL BE USED FOR HEAVY BOBCAT PIVOTING OR TRACTOR TRAFFIC, CONTRACTOR SHALL PROTECT CONCRETE FINISH FROM TIRE TRACKS/SKID MARKS AND POWER WASH ALL AFFECTED CONCRETE TO FULLY REMOVE TIRE MARKS/SKIDS.
3. CONTRACTOR SHALL COORDINATE EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO EXCAVATION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE AND DAMAGED BUILDINGS, BUILDINGS, SITE ELEMENTS, LANDSCAPE, IRRIGATION SYSTEMS, WALKS, OR CURBS TO MATCH EXISTING.
4. SEE CIVIL DRAWINGS FOR ADDITIONAL SCOPE AND DETAILS.
5. FOR ALL NEW UNDERGROUND ELECTRICAL, GAS DISTRIBUTION AND ALL OTHER UTILITY DISTRIBUTION, CONTRACTOR SHALL COORDINATE ACTUAL ROUTING WITH EXISTING UNDERGROUND UTILITIES. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE ANY DAMAGED LANDSCAPE AND IRRIGATION.
6. ALL NEW CONCRETE SITE WORK EXCLUDING RAMPS AND SLOPED WALKS SHALL BE LESS THAN 2% SLOPE IN ALL DIRECTIONS. SEE ENLARGED PLANS FOR LOCATIONS OF EXISTING DRAINS AND VALVE BOXES AND COORDINATE WITH CIVIL DRAWINGS FOR SCOPE OF WORK IN THESE LOCATIONS.

ALTERATION KEYNOTES:

KEYNOTES FOR THIS SHEET ONLY.

1. (E) METAL MESH FENCING TO REMAIN. PROTECT IN PLACE.
6. (N) SINGLE LEAF PEDESTRIAN GATE. INFILL DEMO'D PORTION OF REMOVED FENCING FROM GATE POSTS TO EXISTING FENCE POSTS. SEE TYPICAL GATE DETAIL 12/A105.
8. NEW HANDRAIL. SEE DETAIL 15/C7.1.
9. NEW ADA ACCESSIBLE PASSENGER DROP-OFF ZONE. SEE DETAIL 10/C7.1.
12. (N) LANDSCAPING OR LANDSCAPE PATCHING - SEE LANDSCAPE DRAWINGS.

LEGEND:

- GXX — GATE TAG - SEE GATE SCHEDULE ON A101.
- (E) FENCING TO REMAIN.
- NEW 6FT HEIGHT OMEGA FENCING, FENCE POSTS, AND GATES. SEE FENCING DETAILS ON A105.
- NEW EXPANSION JOINTS PER 1/C.7.1.
- NEW CONTROL JOINTS PER 1/C.7.1.
- NEW CONCRETE WALK. SEE CIVIL DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILS.
- NEW LANDSCAPING AREA - SEE LANDSCAPE DRAWINGS FOR TREES, PLANTS, AND OTHER LANDSCAPE ELEMENTS.
- EXISTING LANDSCAPING. SEE LANDSCAPE DRAWINGS FOR EXTENT OF LANDSCAPE SCOPE AND HOW TO ADDRESS EXISTING LANDSCAPE AREAS.

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

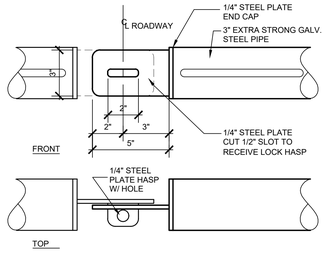
SHEET TITLE

ENLARGED SITE PLANS

SHEET NO.

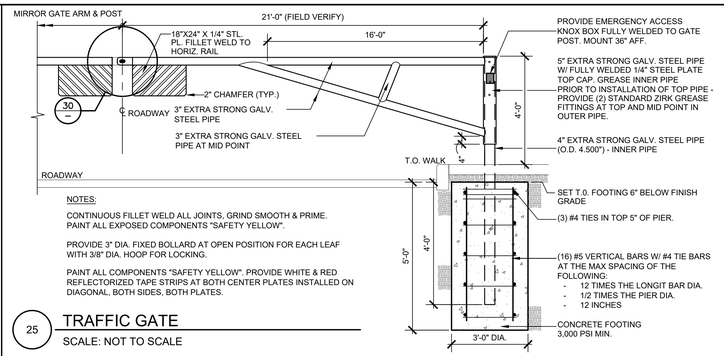
A104

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT



30 GATE LATCH

SCALE: 3" = 1'-0"



NOTES:

CONTINUOUS FILLET WELD ALL JOINTS, GRIND SMOOTH & PRIME. PAINT ALL EXPOSED COMPONENTS "SAFETY YELLOW".

PROVIDE 3" DIA. FIXED BOLLARD AT OPEN POSITION FOR EACH LEAF WITH 3/8" DIA. HOOP FOR LOCKING.

PAINT ALL COMPONENTS "SAFETY YELLOW". PROVIDE WHITE & RED REFLECTORIZED TAPE STRIPS AT BOTH CENTER PLATES INSTALLED ON DIAGONAL, BOTH SIDES, BOTH PLATES.

25 TRAFFIC GATE

SCALE: NOT TO SCALE

GENERAL SHEET NOTES:

1. FENCES AND GATES ON SITE ARE MANUFACTURED BY OMEGA FENCE. THE MODEL LINE IS THE ELITE DOUBLE WIRE SYSTEM. ALL NEW FENCE, POSTS, GATES, ETC. SHALL MATCH THIS LINE. SEE SPEC SECTION 32 31 19.
2. PRIME AND PAINT ALL CUSTOM STEEL GATE, FENCE COMPONENTS, AND MODIFICATIONS BLACK TO MATCH EXISTING.
3. SEE SPEC SECTION 32 31 19 FOR FOOTING CONCRETE MIX DESIGN AND STRENGTHS.

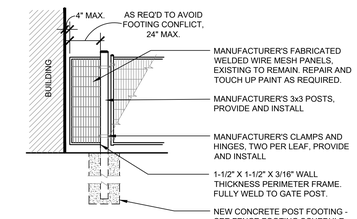
FENCING:

1. SOME DECORATIVE WIRE FENCING IS TO BE RELOCATED. NEATLY REMOVE EXISTING PANELS AND SALVAGE FOR REINSTALLATION.
2. PROVIDE AND INSTALL ALL HARDWARE AND COMPONENTS FROM THE MANUFACTURER FOR A COMPLETE INSTALLATION.
3. PROVIDE NEW POSTS AND FOOTINGS.
4. REPAIR AND TOUCH UP PAINT ALL RELOCATED FENCE PANELS AS REQUIRED.

GATES:

1. SOME DECORATIVE WIRE GATES ARE TO BE RELOCATED. NEATLY REMOVE GATES IN ONE PIECE AND REINSTALL.
2. PROVIDE AND INSTALL ALL HARDWARE AND COMPONENTS FROM THE MANUFACTURER FOR A COMPLETE INSTALLATION.
3. PROVIDE NEW POSTS AND FOOTINGS.
4. REPAIR AND TOUCH UP PAINT GATES AS REQUIRED.
5. ADJUST AND ALIGN GATES PER MANUFACTURER'S INSTRUCTIONS.
6. NEW GATES ARE TO MATCH EXISTING. VERIFY CONDITIONS IN FIELD.
7. GATE OPERATING FORCE SHALL NOT EXCEED 5 LBS OPENING FORCE PER CBC 11B-404.2.9.

NOTE: WING DESIGN SHALL MATCH MANUFACTURERED FENCE PANELS FOR DESIGN ASTHETIC. PRIME AND PAINT.

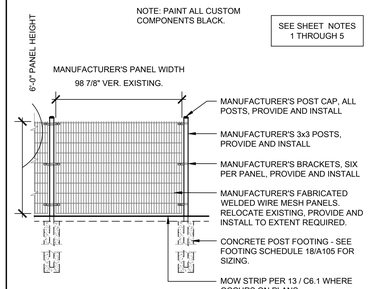


14 FENCE "WING" CLOSURE PANEL

SCALE: 1/4" = 1'-0"

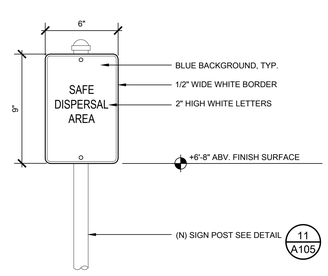
NOTE: PAINT ALL CUSTOM COMPONENTS BLACK.

SEE SHEET NOTES 1 THROUGH 5



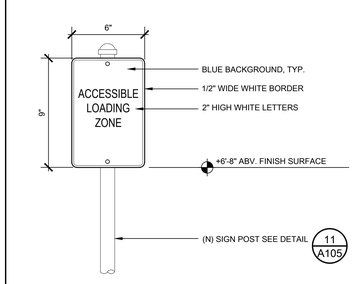
9 TYPICAL DECORATIVE WIRE FENCE

SCALE: 1/4" = 1'-0"



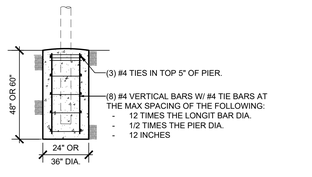
23 SAFE DISPERSAL AREA SIGN

SCALE: N.T.S.



23 ACCESSIBLE LOADING ZONE SIGN

SCALE: N.T.S.



ORNAMENTAL IRON POST FOOTING SCHEDULE

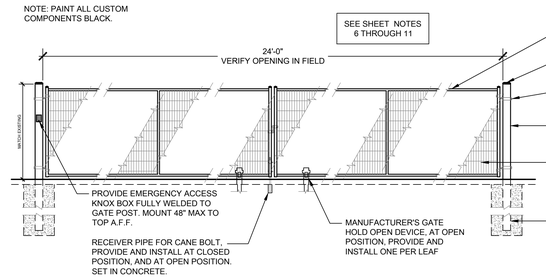
LINE POSTS:	18" DIAMETER X 36" DEEP WITH NO CAGE.
CORNER POSTS:	18" DIAMETER X 36" DEEP WITH NO CAGE.
GATE POSTS UP TO 5 FEET WIDE (INDIVIDUAL LEAF):	24" DIAMETER X 48": DEEP WITH #4 SPIRAL REBAR CAGE.
GATE POSTS UP TO 10.5 FEET WIDE (INDIVIDUAL LEAF):	36" DIAMETER X 60" DEEP WITH #4 SPIRAL REBAR CAGE.

18 FENCE FOOTING SCHEDULE

SCALE: N.T.S.

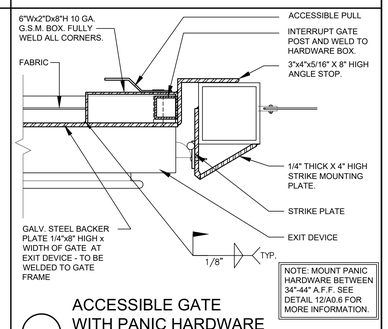
NOTE: PAINT ALL CUSTOM COMPONENTS BLACK.

SEE SHEET NOTES 6 THROUGH 11



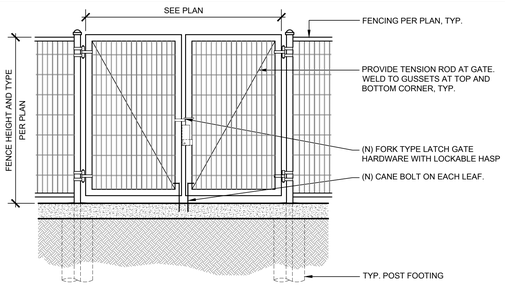
13 DECORATIVE WIRE VEHICLE SWING GATE

SCALE: 1/4" = 1'-0"



3 ACCESSIBLE GATE WITH PANIC HARDWARE

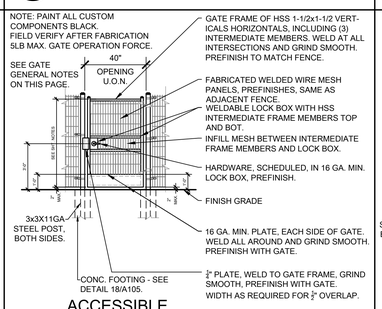
SCALE: 3" = 1'-0"



27 TYPICAL SERVICE ACCESS GATES

SCALE: 1/2" = 1'-0"

NOTE: PAINT ALL CUSTOM COMPONENTS BLACK. FIELD VERIFY AFTER FABRICATION 5LB MAX. GATE OPERATION FORCE.

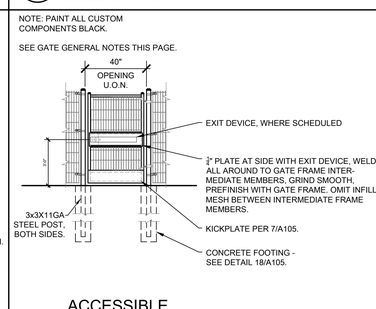


17 ACCESSIBLE GATE AT DECORATIVE WIRE FENCE

SCALE: 1/4" = 1'-0"

NOTE: PAINT ALL CUSTOM COMPONENTS BLACK.

SEE GATE GENERAL NOTES THIS PAGE.

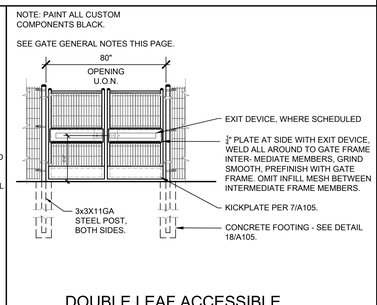


12 ACCESSIBLE GATE WITH EXIT DEVICE

SCALE: 1/4" = 1'-0"

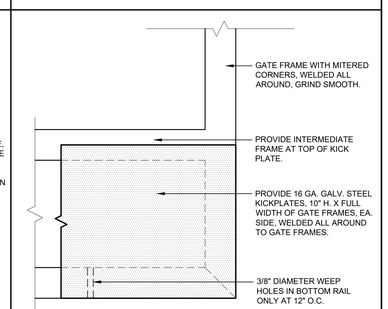
NOTE: PAINT ALL CUSTOM COMPONENTS BLACK.

SEE GATE GENERAL NOTES THIS PAGE.



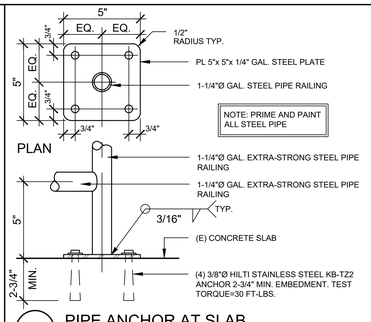
7 DOUBLE LEAF ACCESSIBLE GATE WITH EXIT DEVICE

SCALE: 1/4" = 1'-0"



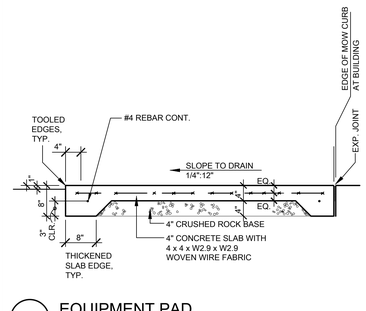
2 KICKPLATE AT GATE

SCALE: 3" = 1'-0"



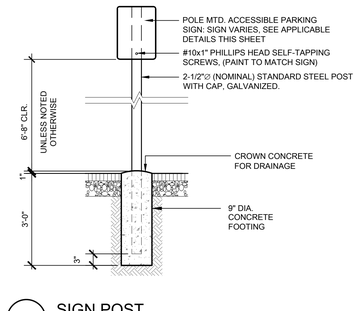
21 PIPE ANCHOR AT SLAB

SCALE: 3" = 1'-0"



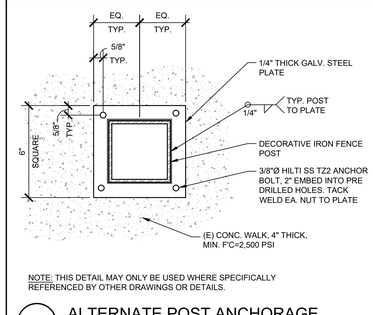
16 EQUIPMENT PAD

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



11 SIGN POST

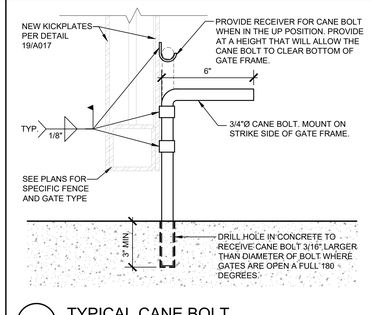
SCALE: 3/4" = 1'-0"



NOTE: THIS DETAIL MAY ONLY BE USED WHERE SPECIFICALLY REFERENCED BY OTHER DRAWINGS OR DETAILS.

6 ALTERNATE POST ANCHORAGE

SCALE: 3" = 1'-0"



1 TYPICAL CANE BOLT

SCALE: 3" = 1'-0"

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

SHEET TITLE

SITE DETAILS

SHEET NO.

A105

ELECTRICAL ABBREVIATION

ABBREVIATION	DESCRIPTION
A	AMPERES, AMBER
AC	ALTERNATING CURRENT, AIR CONDITIONER
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CAPACITY
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
C	CONDUIT, CLOSE, CONTROL
CB	CIRCUIT BREAKER
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CLG	CEILING
COM	COMMUNICATION
CT	CURRENT TRANSFORMER
CU	COPPER
(D)	DEMOLISH
DN	DOWN
(E)	EXISTING
EF	EXHAUST FAN
ECH	ELECTRIC CONVECTION HEATER
F	FUSE
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
G, GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID STEEL CONDUIT
KVA	KILOVOLT AMPERES
KW	KILOWATT
LED	LIGHT EMITTING DIODE
MDB	MAIN DISTRIBUTION BOARD
MDP	MAIN DISTRIBUTION PANEL
MSB	MAIN SWITCHBOARD
MT, MTD	MOUNT, MOUNTED
MT	EMPTY CONDUIT WITH NYLON PULL CORD
N/A	NOT APPLICABLE
(N)	NEW
N	NEUTRAL
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OS	OCCUPANCY SENSOR
PH	PHASE
PHP	PACKAGED HEAT PUMP
PNL	PANEL
REF	REFERENCE
REQD	REQUIRED
S	SWITCH
SIM	SIMILAR
TELE	TELEPHONE
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
V	VOLTS, VOLTAGE
W/	WITH
W	WIRE, WHITE
WP	WEATHERPROOF
XFMR	TRANSFORMER

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	GENERAL
X / X	DETAIL NUMBER AND SHEET LOCATION
	NEW WORK
XX-X LOCATION	EQUIPMENT IDENTIFICATION
1	KEYED NOTE
	TECHNOLOGY
MDF	MDF
IDF	IDF
#	DATA
#D / #V	DATA / TELEPHONE OUTLET
#V	TELEPHONE OUTLET
2D WAP	WAP DATA OUTLET
HDMI	HDMI FACEPLATE
#	PROMETHEAN BOARD DATA
CX/SX	CLOCK / SPEAKER COMBO
	INTRUSION MOTION SENSOR
DC	DOOR CONTACT
AV I/O	HDMI FACEPLATE
2D	PROJECTOR
TV	LED TV
	MISCELLANEOUS
#10 B-27.29,31. B-27.29,31.	BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.
	BRANCH PANEL
	CIRCUIT BREAKER
	CURRENT TRANSFORMER
M	DIGITAL TYPE METER WITH VOLTMETER, AMMETER, KW METER, KVA METER, KVAR METER, AND %THD METER
	EQUIPMENT CONNECTION ITEM. REFER TO SCHEDULE

ELECTRICAL LEGEND

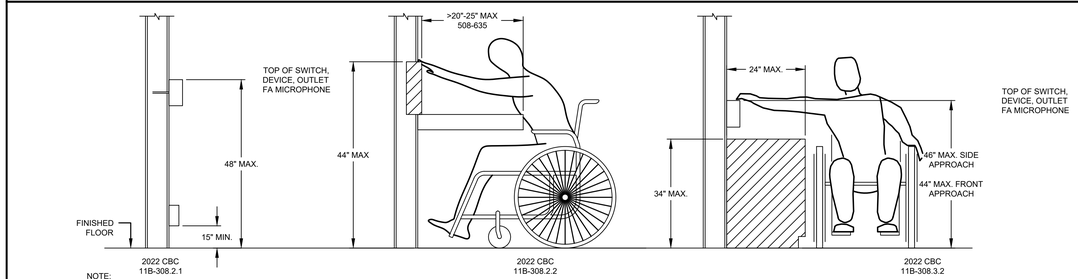
SYMBOL	DESCRIPTION
UT	UTILITY TRANSFORMER PAD/VAULT
	WALL MOUNTING BRACKET
	WATER PIPE GROUND CONNECTION
	CONNECTIONS / EQUIPMENT
	HEAVY DUTY FUSED DISCONNECT SWITCH
J OR J	JUNCTION BOX
J	JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT
J	WALL-MOUNTED JUNCTION BOX
	NON-FUSED DISCONNECT SWITCH
T	TRANSFORMER
M	DOORBELL - NUTONE #LA11WH +7'-6"
	DOORBELL PUSH BUTTON
	ENCLOSED CIRCUIT BREAKER
	RACEWAYS
	CONDUIT CONCEALED IN WALL OR CEILING SPACE
	CONDUIT ROUTED BELOW FLOOR / GRADE
	CATV ROUTED BELOW FLOOR / GRADE
	TEL/DATA ROUTED BELOW FLOOR / GRADE
	CONDUIT ELLED DOWN
	CONDUIT ELLED UP
	CONDUIT/WIRING CONTINUATION
	CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING
	FLEXIBLE CONDUIT
	TELEPHONE BACKBOARD
	FLUSH MOUNT EQUIPMENT ENCLOSURE AS NOTED
	FLUSH WALL MOUNTED BRANCH PANEL
	GROUND ROD
	GROUNDING POINT
	LANDING LUG
	MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL
M	METER WITH CONNECTION
	SURFACE MOUNT EQUIPMENT ENCLOSURE AS NOTED

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	SWITCHES AND RECEPTACLES
	DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS) A = ABOVE COUNTER B = CLOCK HANGER C = FLUSH CEILING MOUNTED E = EMERGENCY F = ARC FAULT PROTECTED BY BREAKER IN PANEL G = GROUND FAULT CIRCUIT INTERRUPTER H = HOSPITAL GRADE K = CHILD RESISTANT COVER L = ISOLATED GROUND P = PENDANT MOUNTED WITH CORD GRIPS. VERIFY PENDANT LENGTH S = SPLIT WIRED T = TAMPER RESISTANT SHUTTERED RECEPTACLE W = WEATHERPROOF CONTINUOUS USE COVER. GFCI PROTECTED, WITH WEATHER-RESISTANT RECEPTACLE ? = DESIGNER DEFINED
	SPLIT DUPLEX RECEPTACLE, TOP IS CONTROLLED
	DOUBLE DUPLEX RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
	SINGLE RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
	EQUIPMENT ELECTRICAL CONNECTION
	SPECIAL PURPOSE RECEPTACLE. LETTER CODE DENOTES RECEPTACLE CONFIGURATION LX-XXR = NEMA CONFIGURATION TWIST-LOCK RECEPTACLE X-XXR = NEMA CONFIGURATION STRAIGHT BLADE RECEPTACLE P = PENDANT MOUNT WITH CORD GRIPS. VERIFY PENDANT LENGTH X = COORDINATE RECEPTACLE CONFIGURATION WITH EQUIPMENT BEING SUPPLIED
$	SINGLE POLE SWITCH 2 = DOUBLE POLE SWITCH 3 = THREE-WAY SWITCH 4 = FOUR-WAY SWITCH a THRU z (LOWERCASE) = LUMINAIRE CONTROL DESIGNATION F = FAN SPEED CONTROL K = KEY OPERATED SWITCH L = LIGHTED HANDLE M = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD P = SWITCH WITH PILOT LIGHT S = SENTRY SWITCH T = INTERVAL TIMER W = WEATHERPROOF SWITCH V = LOW VOLTAGE SWITCH ? = DESIGNER DEFINED SWITCH
D a,b,c	MANUAL DIMMER WITH ON/OFF OVERRIDE. PROVIDE SEPARATE DIMMER AND BOX FOR EACH ZONE INDICATED.
DS	WALL MOUNTED DUAL TECH OCCUPANCY SENSOR WITH DIMMER AND MANUAL ON/OFF OVERRIDE
	DUPLEX RECEPTACLE, FLUSH FLOOR
OS	CEILING MOUNTED OCCUPANCY SENSOR (SELF CONTAINED)
DS	CEILING MOUNTED DAYLIGHTING SENSOR
XX-1 (SEE SCHEDULE)	MOTOR / ELECTRICAL EQUIPMENT

DEVICE OUTLETS SHALL BE NO MORE THAN +48" AFF TO TOP OF BOX NOR LESS THAN +15"AFF TO BOTTOM OF BOX PER CBC 11B-308.1.2

MOUNTING OVER OBSTRUCTION DETAIL



NOTE:
1. THIS DETAIL APPLIES TO MOUNTING OF ANY MECHANICAL AND ELECTRICAL DEVICE WHICH CONTAINS AN OPERABLE PART THAT IS ADJUSTABLE BY THE OCCUPANT. THIS DOES NOT APPLY TO SENSORS OR CONTROLS THAT ARE ONLY ADJUSTABLE THROUGH THE BUILDING AUTOMATION SYSTEM (IE: TEMPERATURE AND HUMIDITY SENSORS).

ELECTRICAL GENERAL NOTES

A. ALL WORK SHALL COMPLY WITH ALL LOCAL AND STATE CODES AND AUTHORITIES HAVING JURISDICTION.

B. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE ALL REQUIRED INSPECTIONS.

C. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS AND TRADES.

D. THESE DRAWINGS, AS PREPARED, ARE DIAGRAMMATIC BUT SHALL BE FOLLOWED AS CLOSELY AS CONSTRUCTION OF THE PROJECT AND THE WORK OF THE TRADES WILL PERMIT. EQUIPMENT LOCATIONS INDICATED ARE APPROXIMATE. COORDINATE EXACT LOCATIONS AND REQUIRED CLEARANCES WITH EQUIPMENT SUPPLIER AND ALL TRADES PRIOR TO INSTALLATION.

E. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE EQUIPMENT INDICATED WITHIN THESE DRAWINGS UNLESS OTHERWISE NOTED. VERIFY LOCATION AND DIMENSIONS IN THE FIELD PRIOR TO FABRICATION AND / OR INSTALLATION.

F. ALL ROOF PENETRATIONS SHALL BE AT THE CONTRACTOR'S EXPENSE. COORDINATE WITH OWNER'S ROOFING CONTRACTOR SO AS NOT TO VOID ANY EXISTING ROOF WARRANTIES.

G. THE ENTIRE INSTALLATION SHALL BE GUARANTEED FREE OF DEFECTS AND CONTRACTOR SHALL REPAIR AND / OR REPLACE ANY DEFECTIVE MATERIALS OR EQUIPMENT AT NO COST TO THE OWNER FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY ARCHITECT OR ENGINEER.

H. ALL WORK SHALL BE SUBJECT TO THE ACCEPTANCE AND APPROVAL OF THE ARCHITECT AND OWNER. THE ARCHITECT SHALL BE NOTIFIED OF ANY AND ALL DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK. FAILURE OF PROPER NOTIFICATION DOES NOT RELIEVE THE CONTRACTOR. THE CONTRACTOR SHALL CORRECT ANY AND ALL WORK ARISING FROM SUCH FAILURE TO COORDINATE DISCREPANCIES TO THE SATISFACTION OF THE ARCHITECT WITHOUT ADDITIONAL COST TO THE OWNER.

I. ALL JUNCTION BOXES SHOWN ON THIS PLAN ARE TO BE INSTALLED ABOVE THE FINISHED CEILING.

ELECTRICAL DEMOLITION NOTES

A. THE ELECTRICAL DRAWING SET IS PREPARED BASE OF LIMITED FIELD OBSERVATION ONLY. ACTUAL CONDITIONS MAY VARY IN FIELD. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ELECTRICAL ENGINEER OF RECORD PRIOR TO BID.

B. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.

C. DISCONNECT AND MOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.

D. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY TO CONTINUITY OF CIRCUIT(S) TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.

E. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUIT ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.

F. FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS/DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATION/DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.

G. DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW DOOR CONFIGURATIONS.

H. DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACK BOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL. FURNISH AND INSTALL CONDUIT AND WIRE AS REQUIRED FOR CONTINUITY OF CIRCUIT(S).

I. FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.

MEP COMPONENT ANCHORAGE NOTE

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.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

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, 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. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

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

MP☐ MD☐ PP☐ E ☒ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP☐ MD☐ PP☐ E ☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL

MP☐ MD☐ PP☐ E ☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

SHEET INDEX

E0.1-1	ELECTRICAL COVER SHEET
E0.2-1	ELECTRICAL ONE-LINE DIAGRAM
E1.0-1	ELECTRICAL SITE PLAN
E2.0-1	ELECTRICAL DETAILS
E2.1-1	ELECTRICAL DETAILS
E3.0-1	TITLE 24 - LTO FORMS

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

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LICENSED ARCHITECT NATHAN A. MASTON No. C-26867 RENEWAL DATE: 1/31/2027 STATE OF CALIFORNIA

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

SHEET TITLE

ELECTRICAL COVER SHEET

SHEET NO.

E0.1-1

ONE INCH = TWENTY FEET ONE-SIXTEENTH INCH = ONE FOOT ONE-EIGHTH INCH = ONE FOOT ONE-QUARTER INCH = ONE FOOT THREE-QUARTERS INCH = ONE FOOT ONE INCH = ONE FOOT ONE AND ONE-HALF INCH = ONE FOOT

INCREMENT NO. 1

BID SET

PANELBOARD SCHEDULE - PANEL LDP1

NEMA 3R

DESIGNATION	FEEDER NO.	POLES & AMPS	LOAD, VA LTG.	LOAD, VA RECPT.	LOAD, VA OTHER	C K	P H	C K	LOAD, VA LTG.	LOAD, VA RECPT.	LOAD, VA OTHER	POLES & AMPS	FEEDER NO.	DESIGNATION
FUTURE EVCS	2	2/60			5000	1	A	2			5000	2/60	2	FUTURE EVCS
					5000	3	B	4			5000			
FUTURE EVCS	2	2/60			5000	5	C	6			5000	2/60	2	FUTURE EVCS
					5000	7	A	8			5000			
FUTURE CONVENIENCE RECEPTACLES	1	1/20		180		9	B	10		180		1/20	1	FUTURE CONVENIENCE RECEPTACLES
ASTRONOMICAL TIMER	1	1/20		500		11	C	12			600	1/20	1	IRRIGATION CONTROLLER
SPARE	1	1/20				13	A	14				1/20	1	SPARE
SPARE	1	1/20				15	B	16				1/20	1	SPARE
SPARE	1	1/20				17	C	18				1/20	1	SPARE
SPARE	1	1/20				19	A	20				1/20	1	SPARE
SPARE	1	1/20				21	B	22				1/20	1	SPARE
SPARE	1	1/20				23	C	24				1/20	1	SPARE
SPARE	1	1/20				25	A	26				1/20	1	SPARE
SPARE	1	1/20				27	B	28				1/20	1	SPARE
SPARE	1	1/20				29	C	30				1/20	1	SPARE
SPARE	1	1/20				31	A	32				1/20	1	SPARE
SPARE	1	1/20				33	B	34				1/20	1	SPARE
SPARE	1	1/20				35	C	36				1/20	1	SPARE
SPARE	1	1/20				37	A	38			37500			
SPACE						39	B	40			37500	3/400	3	PANEL 'LP-L'
SPACE						41	C	42			37500			
SECTION SUB-TOTALS			0	1360	20000				0	360	133100			SECTION SUB-TOTALS

CATEGORY	CONN. LOAD KVA	CONN. LOAD AMPS	DESIGN LOAD DIV.	DESIGN LOAD KVA	DESIGN LOAD AMPS
LIGHTING:	0.0	0.0	1.25	0.0	0.0
RECEPTACLE:	2.6	7.2	1.00	2.6	7.2
MOTORS:	112.5	312.6	1.00	112.5	312.6
SPECIAL LOADS:	0.0	0.0	1.00	0.0	0.0
ELECTRIC HEATING:	0.0	0.0	1.00	0.0	0.0
WATER HEATING:	0.0	0.0	1.00	0.0	0.0
EVSE/EVCS	40.6	112.8	1.25	50.8	141.0
TOTAL:	155.7	432.6		165.8	460.8

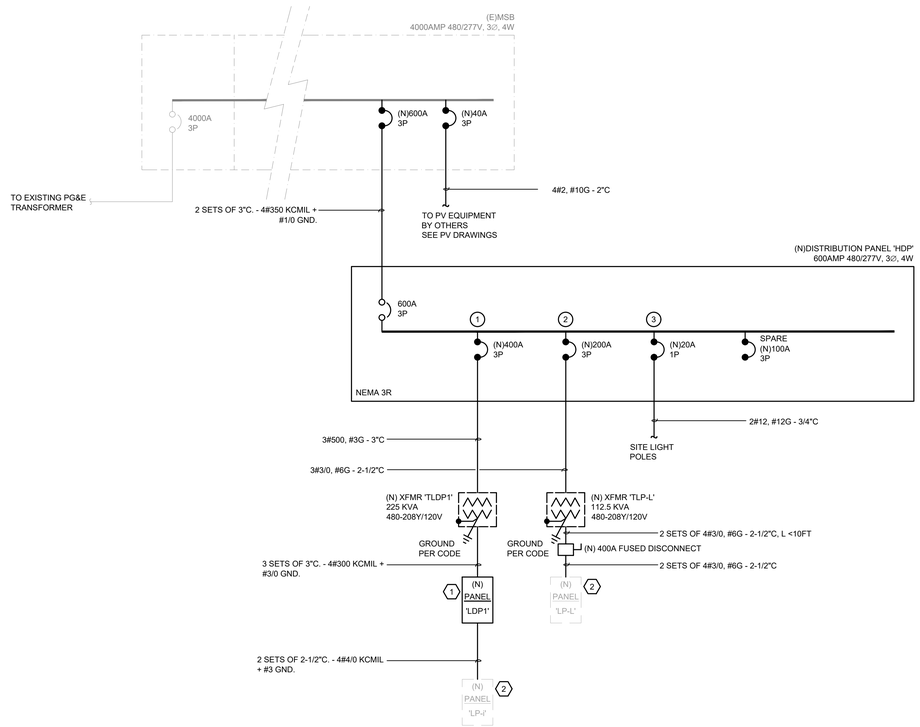
MOUNTING:	SURFACE
VOLTS:	120/208
PHASE/WIRE:	3/4
MAINS SIZE:	800 AMPS
MAINS TYPE:	MCB
BUSS TYPE:	COPPER
BRKR TYPE:	BOLT-IN
A.I.C. (RMS):	65,000
A Phase	57.5 Connected Kva
B Phase	47.9 Connected Kva
C Phase	48.6 Connected Kva

REMARKS:
[1]

FEEDER NO.:
1 = 2 #12, #12G - 1/2"C
2 = 2 #2, #6G - 1"C
3 = SEE ONE-LINE DIAGRAM

KEY NOTES:

1. REFER TO SHEET 3/E2.0-1 FOR PANEL MOUNTING DETAIL.
2. PROVIDED WITH THE MODULAR BUILDING. SITE ELECTRICAL CONTRACTOR SHALL CONNECT AND TERMINATE THE FEEDER TO THE BUILDING PANEL.



ELECTRICAL ONE-LINE DIAGRAM

1
E0.2-1

SCALE : NTS

CEC 215.2(A)(3) FPN No. 2

3 PHASE FORMULA: $VD = \frac{\sqrt{3} * L * R * A}{1000}$ $\%VD = \frac{VD * 100\%}{V}$

1 PHASE FORMULA: $VD = \frac{2 * L * R * A}{1000}$ $\%VD = \frac{VD * 100\%}{V}$

PANEL - CKT		DISTANCE (FT)	AMPS	VOLTAGE	CONDUCTOR TYPE	PHASE	WIRE SIZE	CONDUIT	IMPEDANCE: OHMS/kFT	VD	%VD
MSB	HDP	440	600.00	480	CU	3	#350	PVC	0.005	2.29	0.48%
HDP	TLDP1	40	400.00	480	CU	3	3 #500	PVC	0.014	0.39	0.08%
HDP	TLDP2	322	135.00	480	CU	3	#3/0	PVC	0.088	6.63	1.38%
HDP	SITE LIGHTS	513	3.19	277	CU	3	#12	PVC	1.700	4.82	1.74%
TLDP1	LDP1	40	400.00	120	CU	3	#4/0	PVC	0.074	2.05	1.71%
TLDP2	LDP2	40	200.00	120	CU	3	#3/0	PVC	0.088	1.22	1.02%
LDP1	EV	195	48.00	208	CU	3	#2	PVC	0.190	3.08	1.48%

1. CONDUCTOR IMPEDANCE VALUES BASED ON CEC CHAPTER 9 TABLE 9 - EFFECTIVE IMPEDANCE FOR UNCOATED COPPER WIRES IN PVC OR STEEL CONDUIT @ 0.85 PF (OHM/kFT)

2. PER CEC 210.19(A)(1)FPN NO. 4: BRANCH CIRCUITS ARE ALOWED 3% VOLTAGE DROP AND THE MAXIMUM TOTAL VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE FARTHEST OUTLET DOES NOT EXCEED 5%

LIGHTING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	LAMPS	VOLTS	WATTS	COLOR	LUMENS	MOUNTING	NOTES
S1A	SITE LED AREA LUMINAIRE	LITHONIA LIGHTING DSX1 LED P2 40K 70CRI T3M BLC 3 MVOLT	LED	MVOLT	68	4000K	9368	15' POLE MOUNTED	1
WP1	INC 02 FIXTURE								BY BLDG MANUFACTURER

NOTES:

1. COORDINATE FINAL MOUNTING HEIGHT IN FIELD WITH ARCHITECT.

GENERAL NOTES:

A. THIS LIGHTING SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING ELECTRICAL SPECIFICATIONS.

B. SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.

C. PROVIDE SUBMITTALS THAT INCLUDE LIGHTING FIXTURE, LAMP, AND DRIVER INFORMATION FOR EACH FIXTURE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD.

D. PROVIDE COMMISSIONING OF THE LIGHTING AND LIGHTING CONTROLS IN ACCORDANCE WITH CALIFORNIA TITLE 24 COMMISSIONING REQUIREMENTS.

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REGISTERED ARCHITECT MATTHEW A. MATTIA No. C-26867 RENEWAL DATE: 1/31/2027 STATE OF CALIFORNIA

ARCHITECT

REVISIONS

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JOB NO.: Y2514.00

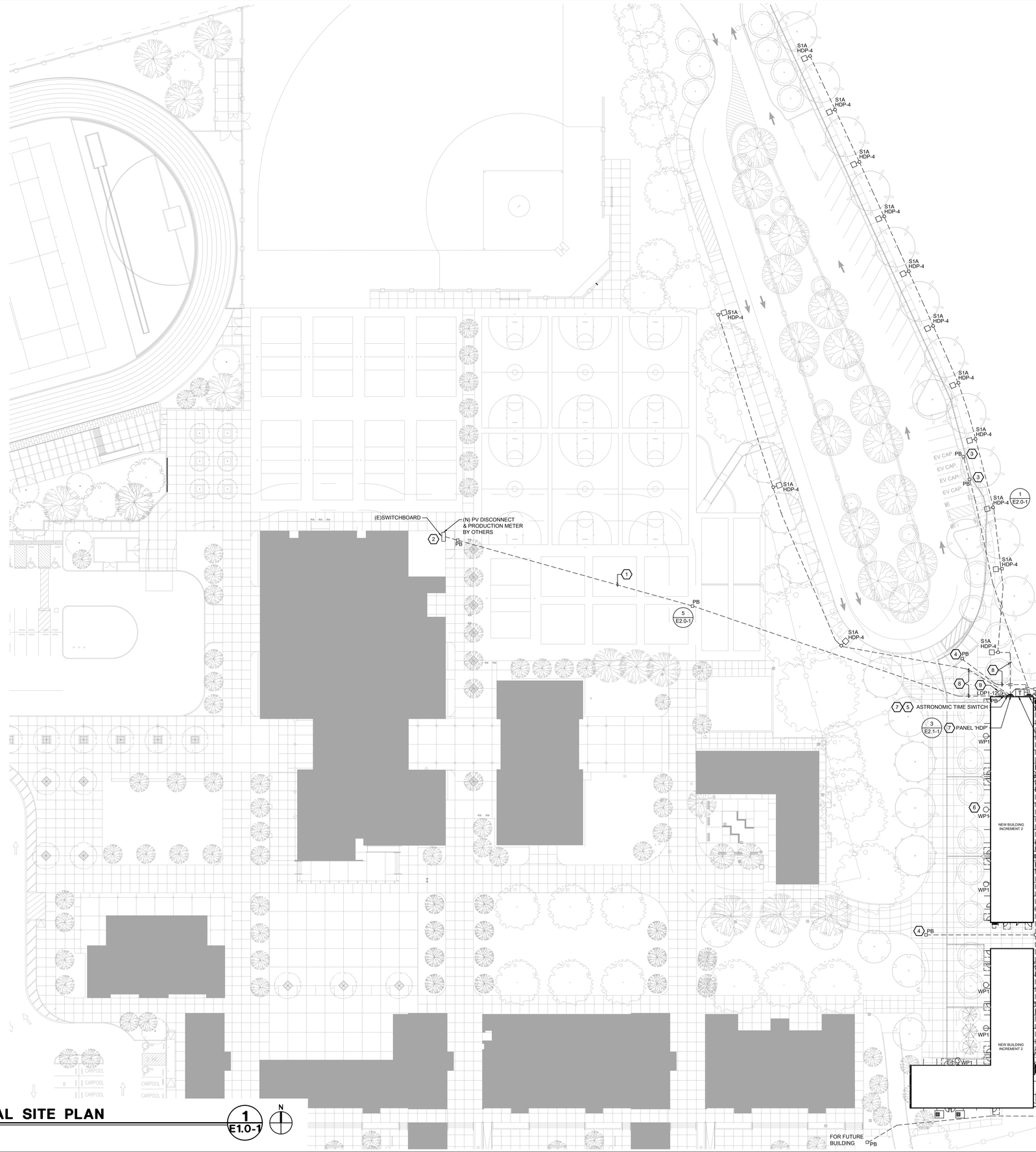
SHEET TITLE

ELECTRICAL
ONE-LINE DIAGRAM

SHEET NO.

E0.2-1

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT



ELECTRICAL SITE PLAN

SCALE : 1"=30'-0"

1 / E1.0-1

N

KEY NOTES:

1. BORE UNDERGROUND CONDUIT AND FEEDER. IF NOT TUNNEL BORED, CUT PAVING AS REQUIRED. PATCH TO MATCH EXISTING.
2. ADD NEW 600A CIRCUIT BREAKER TO EXISTING SWITCHBOARD. NEW CIRCUIT BREAKER TO BE INSTALLED IN EXISTING SWITCHBOARD SHALL MATCH ALL CHARACTERISTICS AND KAIC RATINGS.
3. PROVIDE CONDUITS AND PULL STRINGS FOR FUTURE EV CHARGING STATIONS. REFER TO STUB UP DETAIL 2/E2.0-1.
4. EXTENDED PATHWAYS FOR FUTURE CONVENIENCE POWER.
5. PROVIDE NEW 1P, 20A CIRCUIT BREAKER FOR TIME SWITCH. PROVIDE (N) 4 RELAY TIME SWITCH, TORK DTS400B OR APPROVED EQUAL. CONTROL ALL LIGHTING FIXTURES WITH THE NEW LIGHTING CONTROL.
6. WALL PACKS TO BE PROVIDED BY BUILDING MANUFACTURER IN INCREMENT 2.
7. REFER TO DETAIL 1/E2.1-1 FOR THE PANEL AND TIME SWITCH MOUNTING DETAIL.
8. UNDERGROUND ELECTRICAL CONDUITS AND CONDUCTORS ARE ROUTED A MINIMUM OF 8'-0" FROM THE CENTERLINE OF ALL TREES.
9. PROVIDE 120V POWER FOR AUTOMATIC IRRIGATION CONTROLLER. HARD-WIRE VIA JUNCTION BOX. COORDINATE EXACT CONNECTION WITH MANUFACTURER REQUIREMENTS.

INCREMENT NO. 1

BID SET

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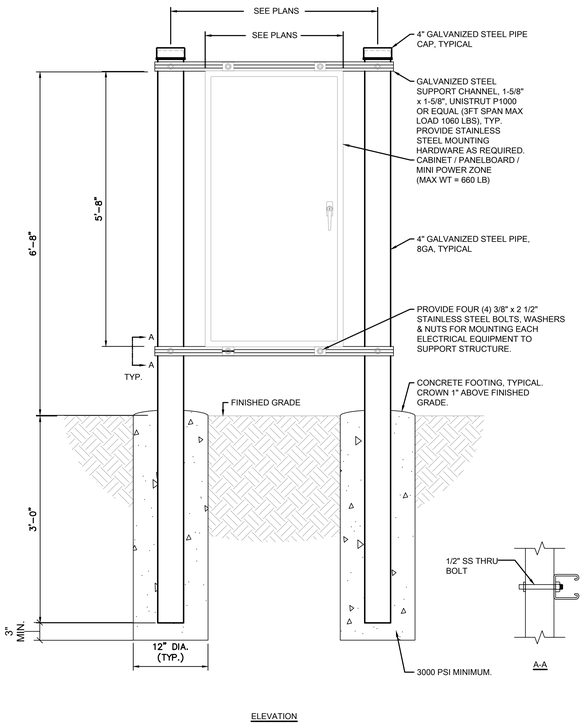
ELECTRICAL SITE PLAN

SHEET NO.

E1.0-1

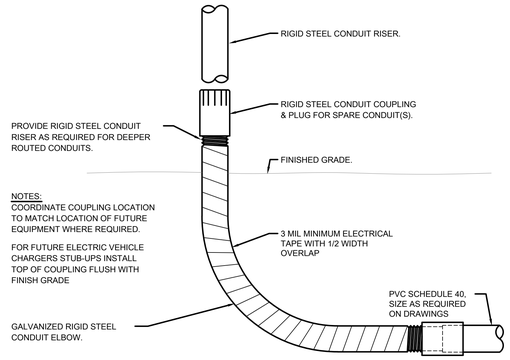
ONE INCH = TWENTY FEET ONE-SIXTEENTH INCH = ONE FOOT ONE-EIGHTH INCH = ONE FOOT ONE-QUARTER INCH = ONE FOOT ONE-HALF INCH = ONE FOOT THREE-QUARTERS INCH = ONE FOOT ONE INCH = ONE FOOT ONE AND ONE-HALF INCH = ONE FOOT



TYPICAL EQUIPMENT MOUNTING STAND

SCALE : NO SCALE

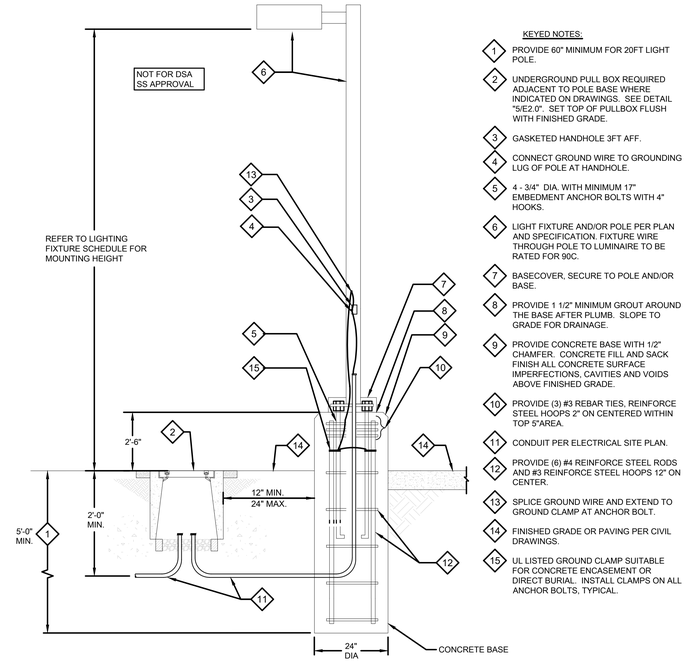
3 E2.0-1



CONDUIT STUB-UP DETAIL

SCALE : NO SCALE

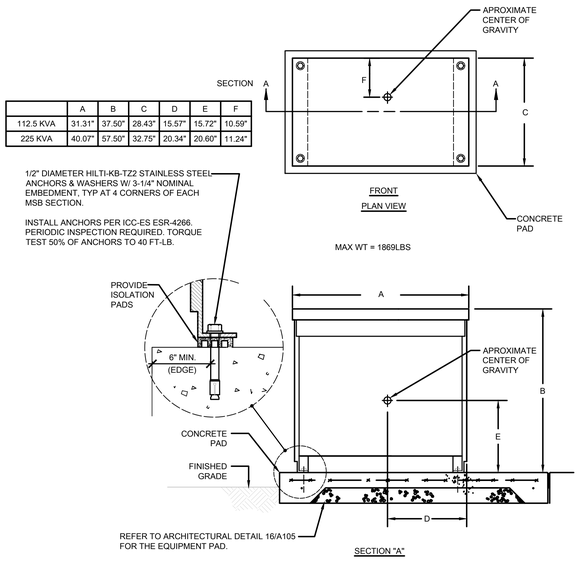
2 E2.0-1



POLE MOUNTING DETAIL (VEHICULAR ACTIVITY)

SCALE : NO SCALE

1 E2.0-1

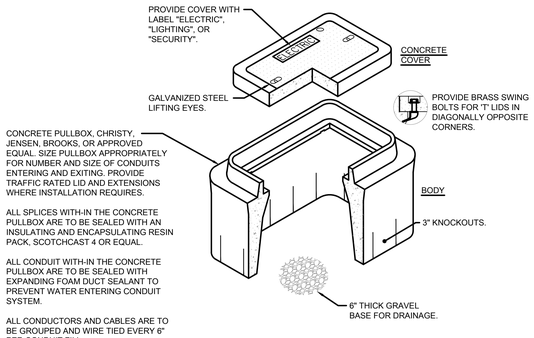


	A	B	C	D	E	F
112.5 KVA	31.31"	37.50"	28.43"	15.57"	15.72"	10.59"
225 KVA	40.07"	57.50"	32.75"	20.34"	20.60"	11.24"

TRANSFORMER MOUNTING DETAIL

SCALE : NO SCALE

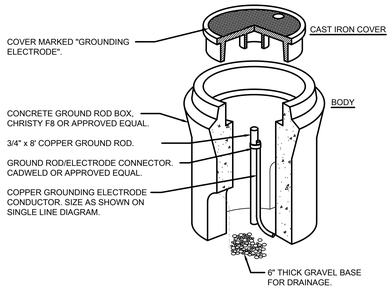
6 E2.0-1



TYPICAL CONCRETE PULLBOX DETAIL

SCALE : NO SCALE

5 E2.0-1



TYPICAL CONCRETE GROUND ROD DETAIL

SCALE : NO SCALE

4 E2.0-1

INCREMENT NO. 1

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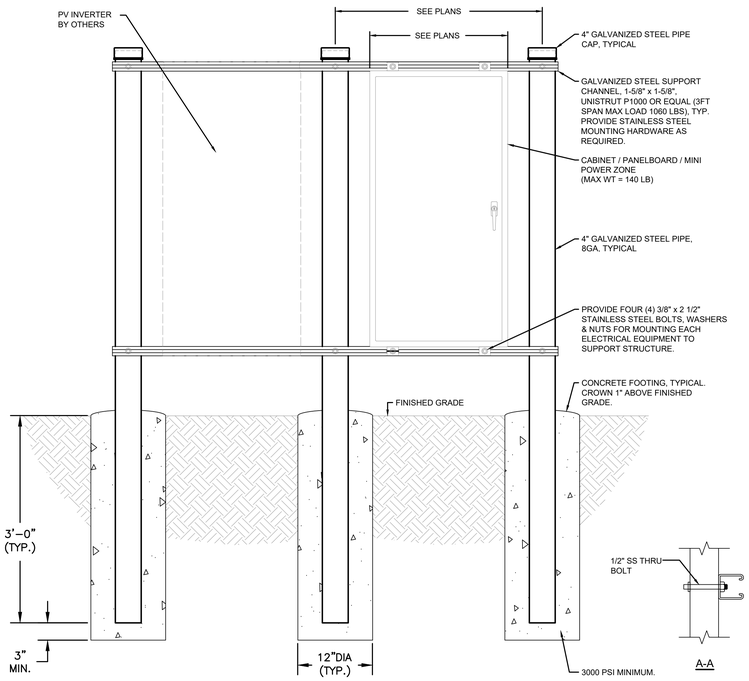
SHEET TITLE

ELECTRICAL DETAILS

SHEET NO.

E2.0-1

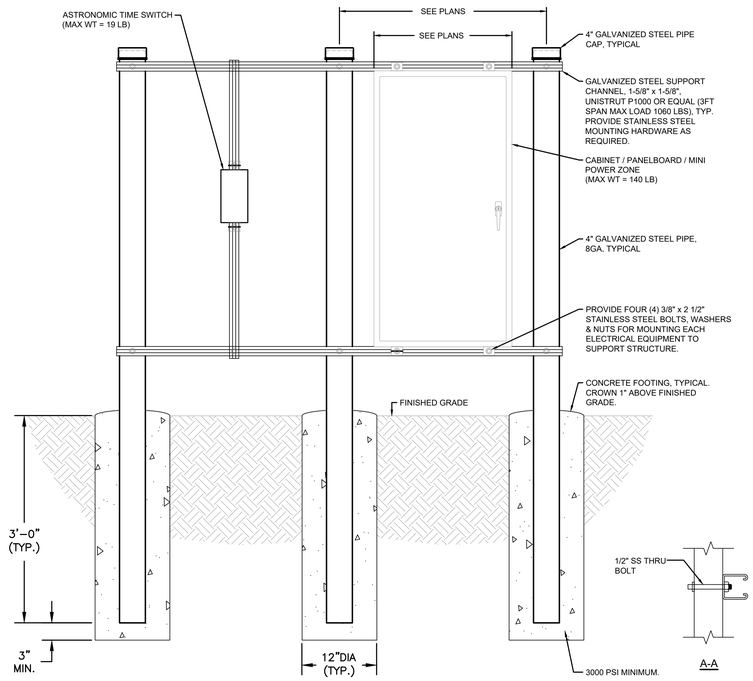


ELEVATION

TYPICAL EQUIPMENT MOUNTING STAND 3

SCALE : NO SCALE

E2.1-1

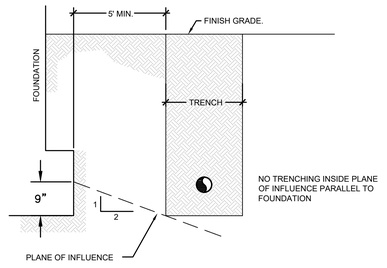


ELEVATION

TYPICAL EQUIPMENT MOUNTING STAND 1

SCALE : NO SCALE

E2.1-1



TRENCH PLANE OF INFLUENCE 2

SCALE : NO SCALE

E2.1-1

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL
CAMPUS EXPANSION

8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

capital engineering

REGISTERED PROFESSIONAL ENGINEER
NATHAN A. HEARN
No. E 23927
3-31-2026
ELECTRICAL
STATE OF CALIFORNIA

CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000

REGISTERED ARCHITECT
NATHAN A. HEARN
No. C 26867
RENEWAL DATE:
1/31/2027
STATE OF CALIFORNIA

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

SHEET TITLE

ELECTRICAL DETAILS

SHEET NO.

E2.1-1

ONE INCH = TWENTY FEET ONE-SIXTEENTH INCH = ONE FOOT ONE-EIGHTH INCH = ONE FOOT ONE-QUARTER INCH = ONE FOOT THREE-QUARTERS INCH = ONE FOOT ONE INCH = ONE FOOT ONE AND ONE-HALF INCH = ONE FOOT

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
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	Date Prepared:	11/6/2025

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
										Field Inspector	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires[2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Pass	Fail
S1A	S1A	☐ Linear	68	Mfr. Spec	13	New	☐	884	Provided	☐	☐
							Total Design Watts:	884			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1] FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)
[2] For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
[3] Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
[4] Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)

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C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv											Compliance Results		
01		02		03		04		05		06	07	08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	= **Total Allowed** (Watts)	≥ **Total Actual** (Watts)	**07 must be >= 08**
884	+	---	+	---	+	---	+	---	OR	---	= 884	≥ 884	COMPLIES
										Shielding Compliance (See Table G for Details)			COMPLIES
										Controls Compliance (See Table H for Details)			COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

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CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.		
Project Name: Creekview Ranch School Campus Expansion	**Report Page:**	**(Page 1 of 8)**
Project Address: 8779 Cook Riolo Road	**Date Prepared:**	11/6/2025

A. GENERAL INFORMATION

01	Project Location (city)	Roseville	04	Total Illuminated Hardscape Area (ft²)	36000
02	Climate Zone	11			
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐ LZ-0: Very Low - Undeveloped Parkland		☒ LZ-2: Moderate - Urban Clusters		☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
☐ LZ-1: Low - Rural Areas		☐ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				
● All Other Occupancies					

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ○ Yes ○ No

03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

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Project Name: Creekview Ranch School Campus Expansion	**Report Page:**	**(Page 6 of 8)**
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I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

	01				
	☒ General Hardscape Allowance Table I (below)	"Use it or lose it" Allowance (select all that apply) (select all that apply)			
		☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
Parking	21000	0.019	399	0	0.2	0	399
Drop-Off	15000	0.019	285	0	0.2	0	285
					Initial Wattage Allowance for Entire Site (Watts):		200
					Instances of Initial Wattage Allowance (LZ 0 only)[1]		
					Total General Hardscape Allowance (Watts):		884

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

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H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
				Field Inspector	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Pass	Fail
SITE	Astronomical Timer	Provided	NA: Not permitted by H&LS	☐	☐

[1] FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.
[2] Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.
[3] Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.

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G. SHIELDING REQUIREMENTS (BUG)

This table includes fixtures of >=6,200 initial lumens indicated on Table F as needing to comply with Shielding Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.

01	02	03	04	05	06	07	08	09	10	11	12	
		Backlight Rating[1]			Uplight Rating[1]			Glare Rating (Lumens)[2]			Field Inspector	
Name or Item Tag	Complete Luminaire Description	Mounting Height[1]	Max Allowable Backlight Rating[3]	Backlight Rating Per Design	Lighting type	Max Allowable Uplight Rating[3]	Uplight Rating Per Design	Mounting Height[1]	Max Allowable Glare Rating[3]	Glare Rating Per Design	Pass	Fail
S1A	S1A	2 MH from property line	No Limit	B2	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G3	☐	☐
S1A	S1A	2 MH from property line	No Limit	B2	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G3	☐	☐

[1] FOOTNOTES: Mounting Height is labeled MH in this table.
[2] Authority Having Jurisdiction may ask for Luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per 130.2(b)/ 160.5(c)
[3] BUG ratings with a lower number than the 'Max Allowable' are compliant. Ex. If Max Allowable is Bug Rating B4, then B0, B1, B2 and B3 are all compliant.

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Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

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Project Name: Creekview Ranch School Campus Expansion	**Report Page:**	**(Page 8 of 8)**
Project Address: 8779 Cook Riolo Road	**Date Prepared:**	11/6/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Ryan Delsman	Ryan Delsman
Company:	Signature Date:
Capital Engineering Consultants Inc.	2026-05-26
Address:	CEA/ HERS Certification Identification (if applicable):
11020 Sun Center Dr Ste 100	
City/State/Zip:	Phone:
Rancho Cordova CA 95670	

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Nathan Hearn	Nathan A Hearn
Company:	Date Signed:
Capital Engineering Consultants Inc.	2026-05-26
Address:	License:
11020 Sun Center Dr. Suite 100	E 23927
City/State/Zip:	Phone:
Rancho Cordova CA 95670	

STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Creekview Ranch School Campus Expansion	**Report Page:**	**(Page 7 of 8)**
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M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit appicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit appicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	SITE ;

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION
8779 Cook Riolo Road,
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DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

capital engineering

REGISTERED PROFESSIONAL ENGINEER NATHAN A. HEARN No. E 23927 3-31-2026 ELECTRICAL STATE OF CALIFORNIA

CONSULTANT

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600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000

LICENSED ARCHITECT BRIAN J. MASON No. C 26867 RENEWAL DATE: 1/31/2027 STATE OF CALIFORNIA

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

T24 LTO FORMS

SHEET NO.

E3.0-1

ONE INCH = TWENTY FEET 0 10 20 40 60 80
ONE–SIXTEENTH INCH = ONE FOOT 0 16 32
ONE–EIGHTH INCH = ONE FOOT 0 8 16
ONE–QUARTER INCH = ONE FOOT 0 4 8
ONE–HALF INCH = ONE FOOT 0 2 4
THREE–QUARTERS INCH = ONE FOOT 0 2
ONE INCH = ONE FOOT 0 1
ONE AND ONE–HALF INCH = ONE FOOT 0 1

ONE INCH = TWENTY FEET | ONE-SIXTEENTH INCH = ONE FOOT | ONE-EIGHTH INCH = ONE FOOT | ONE-QUARTER INCH = ONE FOOT | THREE-QUARTERS INCH = ONE FOOT | ONE INCH = ONE FOOT | ONE AND ONE-HALF INCH = ONE FOOT

INCREMENT NO. 1

BID SET

GENERAL NOTES

1. THE FIRE ALARM SYSTEM SHALL COMPLY WITH A TOTAL COVERAGE FULLY AUTOMATIC SYSTEM. DETECTORS SHALL BE INSTALLED IN ALL AREAS WHERE REQUIRED BY THE APPROPRIATE NFPA STANDARD OR THE AUTHORITY HAVING JURISDICTION. EACH INSTALLED DETECTOR SHALL BE ACCESSIBLE FOR PERIODIC MAINTENANCE AND TESTING. PROVIDE ACCESS DOORS AS REQUIRED. TOTAL COVERAGE SHALL INCLUDE ALL ROOMS, STORAGE AREAS, ATTICS, SPACES ABOVE SUSPENDED CEILINGS, AND OTHER SUBDIVISIONS AND ACCESSIBLE SPACES. INACCESSIBLE AREA SHALL NOT BE REQUIRED TO BE PROTECTED BY DETECTORS UNLESS THEY CONTAIN COMBUSTIBLE MATERIAL, IN WHICH CASE THEY SHALL BE MADE ACCESSIBLE AND BE PROTECTED BY DETECTOR(S).
2. THE FIRE ALARM SYSTEM IS AN ADDRESSABLE SYSTEM.
3. THE AUTOMATIC FIRE ALARM SYSTEM SHALL COMPLY WITH SENATE VOTE BILL NO. 575 (SB575) & CBC 907.2 FOR NEW CONSTRUCTION PROJECTS.
4. THE FIRE ALARM SYSTEM IS A COMPLETE SUBMITTAL.
5. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA BUILDING CODE (CBC) SECTION 907; THE CALIFORNIA ELECTRICAL CODE (CEC) ARTICLE 760 AND THE CALIFORNIA FIRE CODE (CFC) SECTION 907. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE DIVISION OF THE STATE ARCHITECT (DSA) INSPECTOR OF RECORD.
6. PROVIDE COMPLETE SYSTEM WIRING. ALL WIRING SHALL BE IN MINIMUM 3/4" CONDUIT. NO OTHER SYSTEMS WIRING SHALL BE ROUTED IN THE FIRE ALARM CIRCUITS. HARDWIRED INITIATION CIRCUITS SHALL BE MINIMUM #14 THHN/THWN. SYSTEMS WIRING SHALL BE PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND THEIR REQUIREMENTS. ALL CONDUIT SHALL BE INSTALLED WITH COMPRESSION FITTINGS FOR COUPLIERS AND BOX CONNECTORS.
7. WIRING AND MATERIALS PER CEC 760.
8. THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
9. BEFORE REQUESTING FINAL APPROVAL OF THE INSTALLATION, THE INSTALLING CONTRACTOR SHALL FURNISH A WRITTEN STATEMENT TO THE PROJECT INSPECTOR TO THE EFFECT THAT THE SYSTEM HAS BEEN INSTALLED AND TESTED IN ACCORDANCE WITH THE NFPA 72 SECTION 14.4
10. A FIRE ALARM ACCEPTANCE TEST OF ALL DEVICES AND APPLIANCES, INCLUDING THE BACKUP BATTERY(IES), SHALL BE PERFORMED. ALL MANUFACTURER OPERATING RANGES SHALL BE MET, TESTING OF THE SUPERVISING STATION SIGNALS, AS WELL AS RELAY TO THE APPROPRIATE RESPONDING AGENCY, SHALL BE INCLUDED IN THE ACCEPTANCE TESTING. THE PROJECT INSPECTOR SHALL WITNESS THE ACCEPTANCE INSPECTION AND SHALL SIGN AS THE AUTHORITY HAVING JURISDICTION REPRESENTATIVE ON THE "SYSTEM RECORD OF COMPLETION" (NFPA 72, SECTION 7.5.6). AND THE " SYSTEM RECORD OF INSPECTION AND TESTING" (NFPA 7.6.6). SEE NFPA 72, FIGURE 7.8.2(a) & (g). ALL SUPPLEMENTARY RECORDS SHALL BE ATTACHED AS APPLICABLE. THE PROJECT INSPECTOR SHALL VERIFY THAT THE FIRE ALARM SYSTEM IN SERVICE PRIOR TO COMPLETION OF THE "SYSTEM RECORD OF COMPLETION" FORM. ALL ORIGINAL DOCUMENTATION SHALL BE RETAINED IN THE REQUIRED DOCUMENTATION CABINET.
11. AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AND CBC 907.6.5.3 THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUIS BY UL OR SHALL MEET THE REQUIREMENTS OF FM STANDARD 8013.
12. HEAT DETECTORS SHALL BE INSTALLED IN COMBUSTIBLE SPACES WHERE SPRINKLER OR SMOKE DETECTOR ARE NOT INSTALLED PER CFC 907.2.3.6.2.

EQUIPMENT ANCHORAGE

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 HAVE 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 ABOVE REQUIREMENTS.

PIPING, AND DUCTWORK DISTR. SYSTEM BRACING

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 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. THE MEP PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

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

MP☐ MD☐ PP☐ E☒ OPTION 1: PROJECT SPECIFIC DESIGN.

MP☐ MD☐ PP☐ E☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.

MP☐ MD☐ PP☐ E☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

FIRE ALARM NOTES

1. ALL FIRE ALARM WORK SHALL COMPLY WITH DESIGN GUIDELINES AS WELL AS APPLICABLE FEDERAL, STATE, AND LOCAL CODES. WHERE THE CONSTRUCTION DOCUMENTS INDICATE MORE RESTRICTIVE REQUIREMENTS, THE DOCUMENTS SHALL GOVERN BUT THE CONSTRUCTION DOCUMENTS SHALL NOT BE INTERPRETED AS AUTHORITY TO VIOLATE ANY CODE OR REGULATION.
2. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS AND/OR SPECIFICATIONS OR WITH CODE REQUIREMENTS, THE NOTE, CODE OR SPECIFICATION WHICH PRESCRIBES AND ESTABLISHES THE MORE COMPLETE JOB OR THE HIGHER STANDARD SHALL PREVAIL.
3. OMISSIONS FROM THE DRAWINGS, SPECIFICATIONS OR THE MIS-DESCRIPTION OF DETAILS FROM WORK WHICH ARE CLEAR AND NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS, SPECIFICATIONS, OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED OR MIS-DESCRIBED DETAILS OF THE WORK BUT THEY SHALL BE PERFORMED AS IF FULLY AND CORRECTLY SET FORTH AND DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.
4. THE CONTRACTOR SHALL CHECK ALL DRAWINGS FURNISHED, IMMEDIATELY UPON THEIR RECEIPT AND SHALL PROMPTLY NOTIFY THE OWNER OF ANY DISCREPANCIES.
5. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE CALIFORNIA STATE FIRE MARSHAL (CSFM), UNDERWRITERS LABEL (UL) AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
6. THE CONTRACTOR SHALL NOT BORE, NOTCH OR IN ANY WAY CUT INTO ANY STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT OR STRUCTURAL ENGINEER.
7. ALL CHANGES TO STRUCTURES (BUILDING, DRILLING, CORING, ETC.) NOT SHOWN ON THE DRAWINGS SHALL BE APPROVED IN WRITING BY STRUCTURAL ENGINEER.
8. FOR PURPOSES OF CLEARNESS AND LEGIBILITY, THE FIRE ALARM DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DATA INFORMATION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION SECTIONS WHERE SCS AND LOW VOLTAGE WORK INTERFACES WITH OTHER TRADES.
9. THE CONTRACTOR SHALL MAINTAIN AS-BUILT DRAWINGS TO REFLECT ALL CHANGES MADE DURING CONSTRUCTION AND ANY DEVIATIONS FROM THE ELECTRICAL AND FIRE ALARM DRAWINGS. THIS INCLUDES DEVIATIONS FROM OUTLET NUMBERS AND ANY ADDITION, DELETION OR RELOCATION OF OUTLETS SHOWN ON WORKING DRAWINGS, PATHWAY ADDITIONS, DELETIONS OR RELOCATIONS. THE CONTRACTOR SHALL AFTER COMPLETION OF JOB, PROVIDE THE OWNER AN ELECTRONIC AND HARD COPY OF AS-BUILT WORK.
10. ANY DEVIATIONS FROM PLANS OR SPECS MUST BE APPROVED IN WRITING BY THE OWNER'S REPRESENTATIVE.
11. ALL FOOTAGES ON DRAWINGS ARE ESTIMATED AND MUST BE VERIFIED BY CONTRACTOR PRIOR TO ORDERING MATERIAL.
12. ALL STATION CABLES SHALL BE NEATLY DRESSED AND SECURED EVERY FIVE FEET AT A MINIMUM.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILING TILE INCLUDING REPLACEMENT OF BROKEN OR DAMAGED TILES.
14. ALL LOCATIONS PASSING THROUGH A FIRE OR A SMOKE BARRIER MUST BE FIRE STOPPED USING APPROVED (UL CLASSIFIED) FIRE STOP SYSTEM, INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS AND PROPERLY LABELED.
15. CONDUIT SHALL BE FILLED TO MAXIMUM CAPACITY (PER CODE, STANDARDS, AND NORMS) BEFORE UTILIZING ANOTHER VACANT CONDUIT. NOT TO EXCEED MAX. 40% CONDUIT FILL PER CEC CH 9 TABLE 1.
16. ALL FIRE ALARM DEVICES SHALL BE PROPERLY IDENTIFIED USING THE OWNER'S STANDARD INTERNAL DISTRIBUTION NUMBERING SCHEME. ALL LABELS SHALL BE PREPRINTED OR TYPED.
17. EACH CABLE SHALL BE EQUIPPED WITH A PERMANENT LABEL INDICATING THE CIRCUIT IDENTIFICATION. BOTH ENDS OF EACH CABLE AND AT EVERY MAINTENANCE HOLE, HAND HOLE, AND PULL BOX, SHALL BE SO LABELED.
18. ALL CABLES SHALL BE CLEARLY LABELED WITH CIRCUIT IDENTIFICATION.
19. PULL ROPES SHALL BE PLACED IN ALL VACANT CONDUITS.
20. ALL WORK MUST BE COMPLETED IN A NEAT AND PROFESSIONAL MANNER. THE WORK SITE SHALL BE KEPT CLEAN AND ALL DAMAGE TO OWNER'S PROPERTY REPAIRED.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING A FINAL CLEANUP OF THE WORK SITE PRIOR TO FINAL SYSTEM ACCEPTANCE.
22. CONTRACTOR SHALL REMOVE ALL COPPER, FIBER AND COAXIAL CABLES ABANDONED IN CONDUIT, CEILINGS AND WALLS PER CEC. CABLE SHALL INCLUDE ALL INTRABUILDING, RISER SYSTEMS AND STATION CABLES FOR ALL LOW VOLTAGE/FIRE ALARM/STRUCTURED CABLING SYSTEMS.
23. CONTRACTOR(S) SHALL VERIFY ALL SITE CONDITIONS PRIOR TO BID.
24. IN ACCESSIBLE CEILING SPACES:
    - 24.1. THE CONTRACTOR SHALL PROVIDE THE REQUIRED STUB UP(S) / OUT(S) AND BOXES WITH MUD-RINGS TO THE NEAREST ACCESSIBLE CEILING SPACE AND / OR NEAREST FIRE ALARM PATHWAY INFRASTRUCTURE, REFERENCE PLANS AND SPECIFICATION FOR MORE INFORMATION.
    - 24.2. THE DESIGNATED SCS / FIRE ALARM CONTRACTOR(S) SHALL PROVIDE A J-HOOK PATHWAY SYSTEM AND REQUIRED SLEEVES. DO NOT USE CEILING TILE WIRE HANGERS, WATER OR ELECTRICAL PIPES, OR LIGHT FIXTURES TO HANG CABLE. CABLE MUST BE A MINIMUM OF 6 INCHES ABOVE THE CEILING TILE AND MUST NOT COME WITHIN TWELVE INCHES OF A LIGHT FIXTURE. THE DESIGNATED ELECTRICAL CONTRACTOR(S) FOR EACH "SUB-SYSTEM WILL PROVIDE THE PATHWAY REQUIRED FOR THE SYSTEMS, OUTSIDE WHAT IS CONSIDERED THE STRUCTURED CABLING SYSTEM.
25. IN INACCESSIBLE AND HARD-LID CEILING SPACES;
    - 25.1. THE CONTRACTOR SHALL PROVIDE ALL CONDUIT PATHWAYS, BOXES ETC. FOR A COMPLETE SYSTEM FROM THE MDF ROOM, IDF ROOM(S), IDF CABINET(S), AND ALL OTHER LOW VOLTAGE / FIRE ALARM SYSTEMS HEADEND, CABINETS, TERMINAL CABINETS, ETC. TO THE POINT OF TERMINATION AT THE STATION END LOCATION PER PLANS AND SPECIFICATION.

FIRE ALARM SCOPE OF WORK

FIRE ALARM SYSTEM EXPANSION TO THE NEW MODULAR BUILDINGS.

FIRE ALARM SYSTEM TYPE

☐ MANUAL SYSTEM: A MANUALLY OPERATED DEVICE USED TO INITIATE A FIRE ALARM SIGNAL.

☐ AUTOMATIC SYSTEM: A FIRE ALARM SYSTEM WHICH DOES NOT REQUIRE MANUAL OPERATION.

☒ TOTAL AUTOMATIC AND MANUAL SYSTEM: A MANUAL AND AUTOMATIC FIRE ALARM SYSTEM IS REQUIRED IN ALL NEW BUILDINGS (INCLUDING PERMANENT PORTABLE BUILDINGS) USED FOR EDUCATIONAL PURPOSES WITH AN OCCUPANT LOAD OF 50 OR MORE OR CONTAINING MORE THAN ONE CLASSROOM.

CODES AND STANDARDS

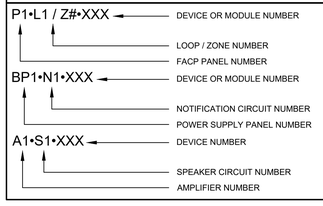
APPLICABLE PROJECT BUILDING CODES, EFFECTIVE AS OF DATE: JANUARY 1, 2023

2025 CALIFORNIA ADMINISTRATIVE CODE (CAC)
2022 CALIFORNIA BUILDING CODE (CBC)
2022 CALIFORNIA ELECTRICAL CODE (CEC)
2022 CALIFORNIA FIRE CODE (CFC)
2022 CALIFORNIA ENERGY CODE
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
2022 CALIFORNIA REFERENCED STANDARDS CODE
2022 NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE
2022 NFPA 1221: STANDARD FOR THE INSTALLATION, MAINTENANCE, AND USE OF EMERGENCY SERVICES COMMUNICATIONS SYSTEMS

DSA GENERAL NOTES

1. APPLICABLE STANDARD NFPA 72, AS ADOPTED AND AMENDED IN CBC CHAPTER 35
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.
3. UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.
4. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
5. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
6. DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.
7. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.
8. WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.
9. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A HORIZONTAL STRUCTURE.
10. AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.
11. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
12. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
13. VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
14. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
15. ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.
16. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
17. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
18. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
19. FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
20. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.
21. THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD OF COMPLETION" PER NFPA 72, FIGURE 17.8.2.
22. FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.
23. MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308.
24. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
25. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
26. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.

ADDRESS NOMENCLATURE



CABLE LEGEND

LABEL	AWG	CLASS	TYPE	DESCRIPTION
A	16	B	SLC	16/2 FPLP CABLE
V	14	B	NAC	14/2 FPLP CABLE
S	14	B	SPEAKER	14/2 FPLP SHIELDED CABLE
D	16	B	AUX	16/2 FPLP CABLE
485+	18	B	485/PWR	18/4 FPLP/R CABLE (RS-485/POWER)

DEVICE LEGEND

SYMBOL	QUANTITY	MANUFACTURER	PART NO	DESCRIPTION
S WP	6	SYSTEM SENSOR	SPRK	OUTDOOR SPEAKER
FATC	4	SPACE AGE ELECTRONICS	SSU00635	FIRE ALARM TERMINAL CABINET, 6 1/2" 8 5/8" 2 1/2" THUMB SCREW

SHEET INDEX

FA0.1-1	FIRE ALARM COVER SHEET
FA1.0-1	FIRE ALARM SITE PLAN
FA2.0-1	FIRE ALARM DETAILS

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER — JONATHAN A. PIERN — No. E 23927 — 3-31-2026 — ELECTRICAL — STATE OF CALIFORNIA

capital engineering

CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
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916.329.4000

LICENSED ARCHITECT — JASON A. MASON — No. C 26867 — RENEWAL DATE: 1/31/2027 — STATE OF CALIFORNIA

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

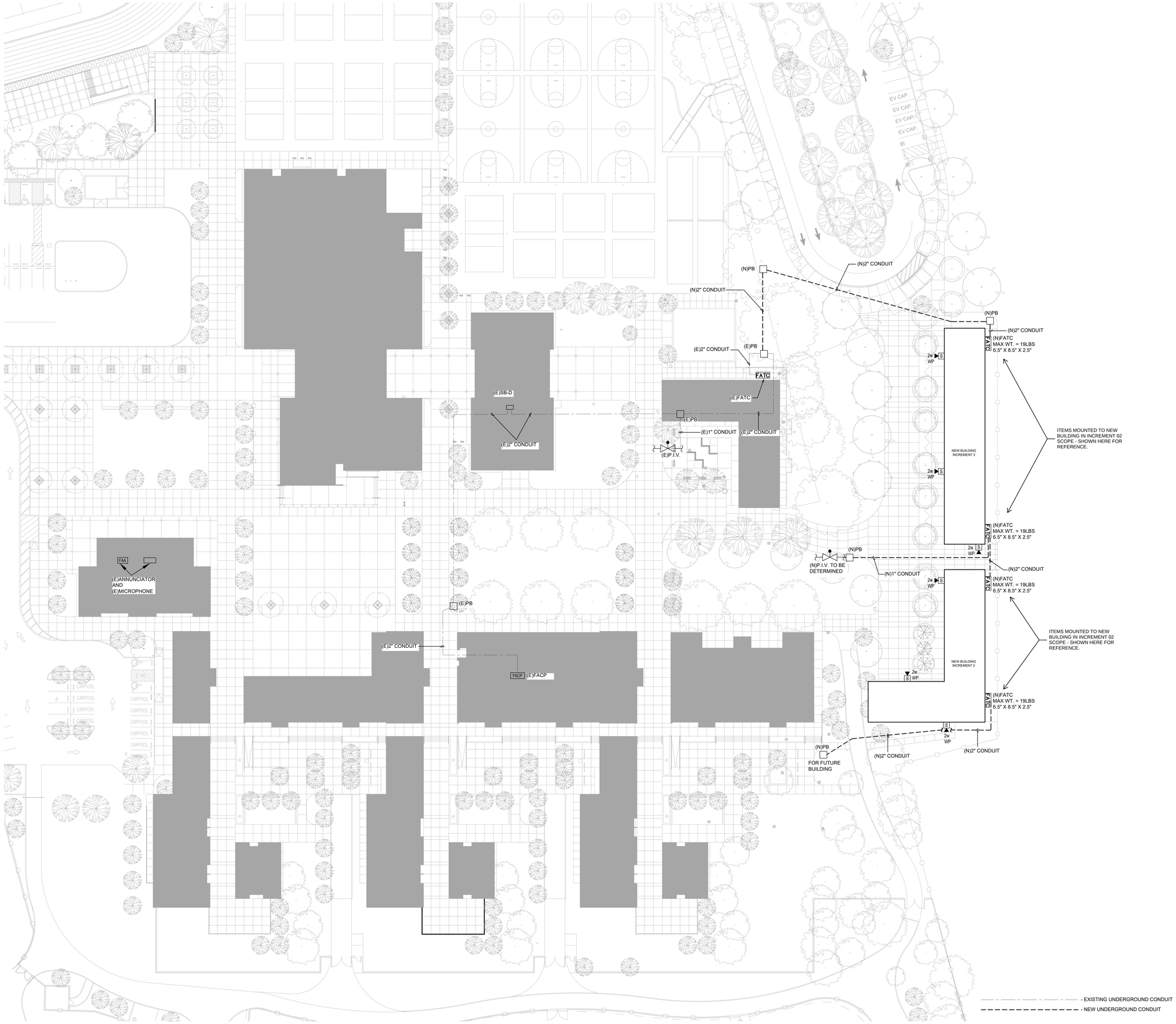
SHEET TITLE

FIRE ALARM COVER SHEET

SHEET NO.

FA0.1-1

ONE AND ONE–HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE–QUARTERS INCH = ONE FOOT
ONE–HALF INCH = ONE FOOT
ONE–QUARTER INCH = ONE FOOT
ONE–EIGHTH INCH = ONE FOOT
ONE–SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET



FIRE ALARM SITE PLAN

SCALE : 1"=30'-0"

1 / FA1.0-1

N

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

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Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER
NATHAN A. HERRIN
No. E 23927
3-31-2026
ELECTRICAL
STATE OF CALIFORNIA
12/19/2025

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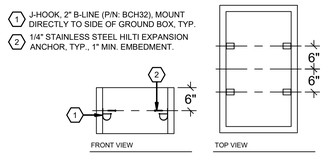
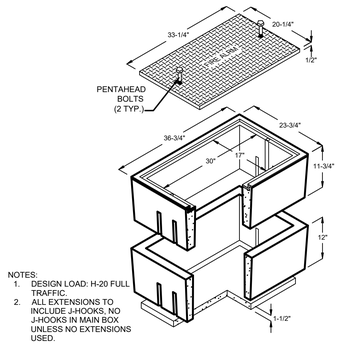
SHEET TITLE

FIRE ALARM SITE PLAN

SHEET NO.

FA1.0-1





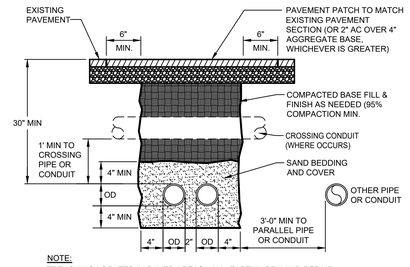
NOTES:
1. DESIGN LOAD: H-20 FULL TRAFFIC.
2. ALL EXTENSIONS TO INCLUDE J-HOOKS. NO J-HOOKS IN MAIN BOX UNLESS NO EXTENSIONS USED.

CATALOG NUMBER	PRODUCT	DESCRIPTION
CYB1730 CYN36SL	BOX WITH SLAB	REINFORCED CONCRETE
CY173051JH	COVER	STEEL CHECKER PLATE (H20 HEAVY DUTY)
CYB1730EXT	EXTENSION	12" HIGH REINFORCED CONCRETE
CYHDB1730	HOLD DOWN BOLT	HOLD DOWN PENTAHEAD BOLT (2 EA.)

FIRE ALARM GROUND BOX 17"X30" INTERNAL

SCALE : NONE

3 FA2.0-1

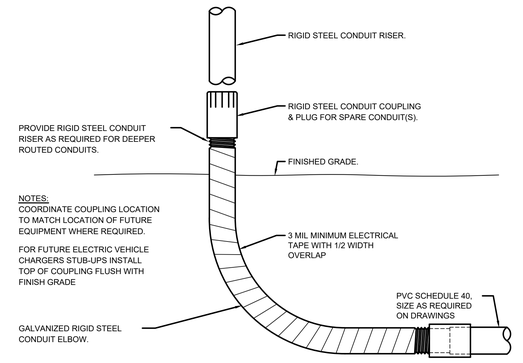


NOTE:
TRENCHING LOCATED IN PAVED AREAS - ALL EARTHWORK AND REPAIR SHALL BE IN ACCORDANCE WITH AGENCY THAT HAS JURISDICTION.

TYPICAL TRENCH DETAIL

SCALE : NONE

1 FA2.0-1



CONDUIT STUB-UP DETAIL

SCALE : NO SCALE

2 FA2.0-1

INCREMENT NO. 1

BID SET

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REGISTERED ARCHITECT BRIAN J. MATTOX No. C-26867 RENEWAL DATE: 1/31/2027 STATE OF CALIFORNIA

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

SHEET TITLE

FIRE ALARM DETAILS

SHEET NO.

FA2.0-1

BID SET

CONTRACTOR(S) GUIDELINES

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8. FOR PURPOSES OF CLEARNESS AND LEGIBILITY, THE TECHNOLOGY DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DATA INFORMATION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION SECTIONS WHERE SCS AND LOW VOLTAGE WORK INTERFACES WITH OTHER TRADES.
9. THE CONTRACTOR SHALL MAINTAIN AS-BUILT DRAWINGS TO REFLECT ALL CHANGES MADE DURING CONSTRUCTION AND ANY DEVIATIONS FROM THE ELECTRICAL AND TECHNOLOGY DRAWINGS. THIS INCLUDES DEVIATIONS FROM OUTLET NUMBERS AND ANY ADDITION, DELETION OR RELOCATION OF OUTLETS SHOWN ON WORKING DRAWINGS, PATHWAY ADDITIONS, DELETIONS OR RELOCATIONS. THE CONTRACTOR SHALL AFTER COMPLETION OF JOB, PROVIDE THE OWNER AN ELECTRONIC AND HARD COPY OF AS-BUILT WORK.
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14. ALL LOCATIONS PASSING THROUGH A FIRE OR A SMOKE BARRIER MUST BE FIRE STOPPED USING APPROVED (UL CLASSIFIED) FIRE STOP SYSTEM, INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS AND PROPERLY LABELED.
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18. FIBER BACKBONE CABLE SHALL BE PLACED WITH 6 FOOT MAINTENANCE LOOP AT BOTH ENDS OF THE RUN. THE MAINTENANCE LOOP SHALL BE SECURED IN SUCH A MANNER TO PROVIDE PROTECTION DURING SUBSEQUENT CABLE PULLS.
19. FIBER CABLES SHALL BE SPLICED TOGETHER USING A FUSION SPLICE AND PLACED IN A FIBER SPLICE CASE THAT IS RE-ENTERABLE, FULLY DRESSED AND ENCLOSED TO FIT THE NUMBER AND TYPE OF CABLES TERMINATED.
20. ALL CABLES SHALL BE CLEARLY LABELED WITH CIRCUIT IDENTIFICATION.
21. PULL ROPES SHALL BE PLACED IN ALL VACANT CONDUITS.
22. ALL WORK MUST BE COMPLETED IN A NEAT AND PROFESSIONAL MANNER. THE WORK SITE SHALL BE KEPT CLEAN AND ALL DAMAGE TO OWNER'S PROPERTY REPAIRED.
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25. CONTRACTOR(S) SHALL VERIFY ALL SITE CONDITIONS PRIOR TO BID.
26. IN ACCESSIBLE CEILING SPACES:
    - 26.1. THE CONTRACTOR SHALL PROVIDE THE REQUIRED STUB UP(S) / OUT(S) AND BOXES WITH MUD-RINGS TO THE NEAREST ACCESSIBLE CEILING SPACE AND / OR NEAREST TECHNOLOGY PATHWAY INFRASTRUCTURE, REFERENCE PLANS AND SPECIFICATION FOR MORE INFORMATION.
    - 26.2. THE DESIGNATED SCS / TECHNOLOGY CONTRACTOR(S) SHALL PROVIDE A J-HOOK PATHWAY SYSTEM AND REQUIRED SLEEVES. DO NOT USE CEILING TILE WIRE HANGERS, WATER OR ELECTRICAL PIPES, OR LIGHT FIXTURES TO HANG CABLE. CABLE MUST BE A MINIMUM OF 6 INCHES ABOVE THE CEILING TILE AND MUST NOT COME WITHIN TWELVE INCHES OF A LIGHT FIXTURE. THE DESIGNATED ELECTRICAL CONTRACTOR(S) FOR EACH "SUB-SYSTEM WILL PROVIDE THE PATHWAY REQUIRED FOR THE SYSTEMS, OUTSIDE WHAT IS CONSIDERED THE STRUCTURED CABLING SYSTEM.
27. IN INACCESSIBLE AND HARDLID CEILING SPACES;
    - 27.1. THE CONTRACTOR SHALL PROVIDE ALL CONDUIT PATHWAYS, BOXES ETC. FOR A COMPLETE SYSTEM FROM THE MDF ROOM, IDF ROOM(S), IDF CABINET(S), AND ALL OTHER LOW VOLTAGE / TECHNOLOGY SYSTEMS HEADEND, CABINETS, TERMINAL CABINETS, ETC. TO THE POINT OF TERMINATION AT THE STATION END LOCATION PER PLANS AND SPECIFICATION.

EQUIPMENT ANCHORAGE

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 INLUDE 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 HAVE 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 ABOVE REQUIREMENTS.

PIPING, AND DUCTWORK DISTR. SYSTEM BRACING

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 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. THE MEP PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

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

MP☐ MD☐ PP☐ E☒ OPTION 1: PROJECT SEPCIFIC DESIGN.

MP☐ MD☐ PP☐ E☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.

MP☐ MD☐ PP☐ E☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

TECHNOLOGY CABLING NOTES

1. THE USE OF LUBRICANTS SUCH AS CLEAR GLIDE, TO FACILITATE THE INSTALLATION OF CABLES IN CONDUITS IS ENCOURAGED FOR FRICTION REDUCTION AND TO MAINTAIN THE REQUIRED PULL TENSION. YELLOW 77 AND POLYWATER "F" IS PERMISSIBLE FOR USE AS A LUBRICANT FOR ISP TECHNOLOGY CABLING. THE USE OF OSP LOW TEMPERATURE CABLE LUBRICANTS SHALL NOT BE ACCEPTABLE IN AN INDOOR PLENUM ENVIRONMENT. UNDER NO CIRCUMSTANCES SHALL CABLE PULLING LUBRICANT BE ALLOWED TO ACCUMULATE ON WALLS, FLOORS, BACKBOARDS, OR OTHER SURFACES OUTSIDE THE CONDUIT.
2. ANY CABLE DAMAGED OR EXCEEDING RECOMMENDED INSTALLATION PARAMETERS DURING INSTALLATION SHALL BE REPLACED BY THE CONTRACTOR BEFORE FINAL ACCEPTANCE AT NO COST TO THE OWNER.
3. EACH RUN OF CABLE SHALL BE CONTINUOUS WITHOUT ANY JOINTS OR SPLICES.
4. ALL STATION CABLE SHALL BE PLACED IN THE INTERIOR OF WALLS UNLESS NOTED OTHERWISE OR OBSTRUCTED.
5. PROVIDE BUSHINGS, GROMMETS AND STRAIN-RELIEF FOR CABLES TERMINATING AT WALL-MOUNTED DEVICES TO ENSURE DURABLE AND ROBUST CONNECTIONS. THE BUSHINGS AND GROMMETS ARE INTENDED TO PROTECT THE CABLES FROM ANY SHARP EDGES THAT PRESENT A RISK TO THE CABLES. ENSURE THAT ALL SHARP EDGES ARE COVERED TO PROTECT THE CABLES FROM DAMAGE.
6. IN SUSPENDED CEILING AND RAISED FLOOR AREAS WHERE DUCT, CABLE BUNDLES SHALL BE SUPPORTED VIA "J" HOOKS ATTACHED TO THE BUILDING STRUCTURE AND FRAMEWORK AT A MAXIMUM OF FIVE (5) FOOT INTERVALS. MINIMUM 1 " WIDE J-HOOKS SHALL BE APPROPRIATELY SIZED TO ALLOW A MINIMUM OF 60% SPARE CAPACITY FOR FUTURE CABLE INSTALLATION. THE CONTRACTOR SHALL INCLUDE ALL COSTS IN BASE BID FOR ANY ADDITIONAL SUPPORTS/SEISMIC BRACING REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
7. CABLES OR J-HOOKS SHALL NOT BE ATTACHED TO LIFT OUT CEILING GRID SUPPORTS OR LAID DIRECTLY ON THE CEILING GRID.
8. CABLES OR J-HOOKS SHALL NOT BE ATTACHED TO OR SUPPORTED BY FIRE SPRINKLER HEADS OR DELIVERY SYSTEMS OR ANY ENVIRONMENTAL SENSOR LOCATED IN THE CEILING AIR SPACE.
9. WHERE ADDITIONAL CONDUIT(S)/SLEEVE(S) ARE REQUIRED, BUT NOT PROVIDED BY THE CONTRACTOR, THE SCS AND/OR LV CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE SUCH CONDUIT(S)/SLEEVE(S). CONDUIT(S) AND SLEEVE(S) SHALL BE OF SUITABLE MATERIAL, SIZED, INSTALLED, FIRE-STOPPED, AND GROUNDED AS REQUIRED BY THE CEC, ANSI/TIA-569-D STANDARD AND ALL OTHER APPLICABLE CODES AND STANDARDS. SLEEVES SHALL CONSIST OF METALLIC CONDUIT DE-BURRED AND GROMMETTED ON BOTH ENDS WITH FLANGES OR OTHER MEANS TO PREVENT THE SLEEVE FROM SLIPPING OR FALLING OUT OF THE PARTITION. SLEEVES SHALL EXTEND A MINIMUM OF 6" ON BOTH SIDES OF THE PARTITION. OUTSIDE PERIMETER OF SLEEVES SHALL BE SEALED AGAINST SOUND, AIR, WATER, HEAT, OR AS REQUIRED BY PARTITION DESIGN. INSIDE OF SLEEVE SHALL BE SEALED SIMILARLY AFTER INSTALLATION OF ALL CABLING. CABLES SHALL BE INDEPENDENTLY SUPPORTED ON EITHER SIDE OF THE SLEEVE. SLEEVES SHALL NOT BE USED AS CABLE SUPPORTS. ANY CONDUIT(S) AND SLEEVE(S) ADDED BY THE SCS CONTRACTOR SHALL BE APPROVED BY THE OWNERS REPRESENTATIVE PRIOR TO ROUGH-IN.
10. IN THE EVENT CONTRACTOR IS REQUIRED TO REMOVE CEILING TILES, SUCH WORK SHALL NOT BREAK OR DISTURB GRID. REMOVAL OF THE CEILING GRID MUST BE COORDINATED WITH THE OWNERS REPRESENTATIVE. ALL INSULATION SHALL BE REPLACED IN ITS ORIGINAL LOCATION.
11. THE NUMBER OF CABLES IN EACH CONDUIT SHALL BE CONTROLLED TO ALLOW FOR FUTURE CABLE INSTALLATION AND TO STAY WITHIN THE MANUFACTURER'S MAXIMUM ALLOWABLE CABLE PULLING TENSION. CONDUIT FILL RATIOS SHALL NOT EXCEED THE CURRENT REQUIREMENTS OF THE CEC, ANSI/TIA-569-D, REFERENCE SECTION B.2, TABLES 1 AND 2 OF THIS DOCUMENT FOR ADDITIONAL REQUIREMENTS.
12. ALL BACKBONE CABLING WILL RUN THROUGH DEDICATED CONDUITS. ALL NEW CONDUITS WILL BE SUPPLIED WITH A PULL STRING BY THE CONTRACTOR. EXISTING CONDUITS SHALL BE PROVEN TO BE CLEAR BY THE SCS AND/OR LV CONTRACTOR PRIOR TO PULLING OF CABLES. SCS AND/OR LV CONTRACTOR SHALL SUPPLY PULL STRING AND PULL ROPE FOR THE INSTALLATION OF ALL CABLES IN EXISTING CONDUITS. FOR ALL CONDUITS LEFT WITH AVAILABLE CAPACITY, SCS AND/OR LV CONTRACTOR SHALL REPLACE PULL STRINGS DURING THE COURSE OF HIS WORK. SCS AND/OR LV CONTRACTOR MUST SEAL ALL CONDUITS WITH AN APPROVED SEALING COMPOUND.

TECHNOLOGY SYMBOL LEGEND:

ALL NOTES ARE TYPICAL UNLESS NOTED OTHERWISE ON PLANS AND DETAILS

MARK	SYMBOL	DESCRIPTION	BACK BOX	PLASTER RING	MOUNTING HEIGHT	CONDUIT	MANUFACTURER	PART NUMBER / MODEL	MAX. LOAD	INSTALLATION NOTES
1	#	DATA OUTLET	5" SQ., 2-1/8" DEEP	2-DEVICE	+16" TO BOTT.	1 EA. 1"C	LEVITON	CAT6A: 11140627 JACK: 6110G-R*6	N/A	N/A
2	# A	DATA / TELEPHONE OUTLET	5" SQ., 2-1/8" DEEP	2-DEVICE	ABOVE COUNTER	1 EA. 1"C	LEVITON	CAT6A: 11140627 JACK: 6110G-R*6	N/A	N/A
3	#	FLOOR MOUNTED, DATA OUTLET	AT FLOOR BOX	N/A	N/A	2 EA. 1"C	LEVITON	CAT6A: 11140627 JACK: 6110G-R*6	N/A	N/A
4	WAP #	WAP DATA OUTLET	5" SQ., 2-1/8" DEEP	2-DEVICE	CEILING / +96" TO BOTT.	1 EA. 1"C	LEVITON	CAT6A: 11140627 JACK: 6110G-R*6	N/A	N/A
		TELECOMMUNICATION ROOM (TR)								
5	MDF	MDF	N/A	N/A	SEE PLANS	N/A	CHATSWORTH PRODUCTS	SEE EQUIPMENT SCHEDULE	1000LB	N/A
6	IDF	IDF	N/A	N/A	SEE PLANS	N/A	CHATSWORTH PRODUCTS	SEE EQUIPMENT SCHEDULE	1500LB	N/A
7		CABLE LADDER	N/A	N/A	SEE PLANS	N/A	N/A	-	N/A	N/A
		INTRUSION SECURITY SYSTEM								
8	ICP	INTRUSION MAIN ALARM CONTROL PANEL	N/A	N/A	+60" TO BOTT.	N/A	SONITROL	-	N/A	N/A
9	ICP EM	INTRUSION PANEL EXPANSION MODULE	N/A	N/A	+60" TO BOTT.	N/A	SONITROL	-	N/A	N/A
10	DC	INTRUSION DOOR CONTACT	N/A	N/A	TOP OF DOOR	N/A	SONITROL	-	N/A	N/A
11	WC	INTRUSION WINDOW CONTACT	N/A	N/A	TOP OF WINDOW	N/A	SONITROL	-	N/A	N/A
12	MS	INTRUSION MOTION SENSOR	N/A	N/A	CEILING	N/A	SONITROL	-	N/A	N/A
13	AS	INTRUSION AUDIO SENSOR	N/A	N/A	CEILING / +96" TO BOTT.	N/A	SONITROL	-	N/A	N/A
14	KP	INTRUSION KEYPAD	5" SQ., 2-1/8" DEEP	1-DEVICE	CEILING	1 EA. 3/4"C	DMP	-	N/A	N/A
15	TC	TOPCAT ACCESS AUDIO SYSTEM	N/A	N/A	CEILING	N/A	SONITROL	-	N/A	N/A
16	AVE	AUDIOVISUAL CONTROL PANEL	5" SQ., 2-1/8" DEEP	2-DEVICE	CEILING	1 EA. 1"C	SEE AUDIOVISUAL ONE-LINE	SEE AUDIOVISUAL ONE-LINE	N/A	N/A
17	AV IC	AUDIOVISUAL INPUT STATION	5" SQ., 2-1/8" DEEP	2-DEVICE	+16" TO BOTT.	1 EA. 1-1/4"C	SEE AUDIOVISUAL ONE-LINE	SEE AUDIOVISUAL ONE-LINE	N/A	N/A
18		AUDIOVISUAL CONTROL STATION	5" SQ., 2-1/8" DEEP	2-DEVICE	+60" TO BOTT.	1 EA. 1-1/4"C	SEE AUDIOVISUAL ONE-LINE	SEE AUDIOVISUAL ONE-LINE	N/A	N/A
19	AS	CEILING MOUNTED AV SPEAKER	PER MFR. GUIDELINES	PER MFR. GUIDELINES	CEILING	1 EA. 1"C	SEE AUDIOVISUAL ONE-LINE	SEE AUDIOVISUAL ONE-LINE	N/A	N/A
		CLOCK / INTERCOM PAGING SYSTEM								
20	S	SPEAKER / CLOCK COMBO	PER MFR. GUIDELINES	PER MFR. GUIDELINES	+96" MIN. TO BOTT.	1 EA. 1"C	ATLAS SOUND IED	IP - SDMF	N/A	N/A
21	S	INTERCOM SPEAKER	PER MFR. GUIDELINES	PER MFR. GUIDELINES	CEILING	1 EA. 1"C	ATLAS SOUND IED	IP - SM	N/A	N/A
22	S WP	WALL MOUNTED INTERCOM SPEAKER, WEATHERPROOF	PER MFR. GUIDELINES	PER MFR. GUIDELINES	+108" MIN. TO BOTT.	1 EA. 1"C	ATLAS SOUND IED	IP - HVP	N/A	N/A
23		SURVEILANCE CAMERA	PER MFR. GUIDELINES	PER MFR. GUIDELINES	108" MAX FROM FINISH GROUND	1 EA. 1"C	ATLAS SOUND IED	IP - HVP	N/A	N/A
23		MUTIFOCAL SURVEILANCE CAMERA	PER MFR. GUIDELINES	PER MFR. GUIDELINES	108" MAX FROM FINISH GROUND	1 EA. 1"C	ATLAS SOUND IED	IP - HVP	N/A	N/A

TECHNOLOGY ABBREVIATIONS

ACP	ACCESS CONTROL PROCESSOR	(N)	NEW
AFF	ABOVE FINISHED FLOOR	NC	NORMALLY CLOSED
AHJ	AUTHORITY HAVING JURISDICTION	NIC	NOT IN CONTRACT
AMP	AMPLIFIER	NO	NORMALLY OPEN
AOR	ARCHITECT OF RECORD	NTS	NOT TO SCALE
AUTO	AUTOMATIC	OC	ON CENTER
AUX	AUXILIARY	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
AWG	AMERICAN WIRE GAUGE	OFOI	OWNER FURNISHED, OWNER INSTALLED
BCT	BONDING CONDUCTOR FOR TELECOMMUNICATIONS CONDUIT	OSP	OUTSIDE PLANT
C	CONDUIT	PB	PULL BOX
CATV	COMMUNITY ANTENNA TELEVISION	POE	POWER OVER ETHERNET
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	PR	PAIR OF CONDUCTORS
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED	PVC	POLYVINYL CHLORIDE
CL	CENTERLINE	PWR	POWER
CSFM	CALIFORNIA STATE FIRE MARSHAL	(RR)	REMOVE AND REPLACE
DIV	DIVISION	(RL)	REMOVE AND RELOCATE
DC	DOOR CONTACT	RCP	REFLECTED CEILING PLAN
(E)	EXISTING	RFI	REQUEST FOR INFORMATION
EC	ELECTRICAL CONTRACTOR	RMC	RIGID METALLIC CONDUIT
ECS	EMERGENCY COMMUNICATION SYSTEM	SCS	STRUCTURED CABLING SYSTEM
EF	ENTRANCE FACILITY FOR TELECOMMUNICATION	SM	SINGLE MODE
EMT	ELECTRIC METALLIC TUBING	STC	SIGNAL TERMINAL CABINET
ER	EQUIPMENT ROOM	STR	STRANDS (OF FIBER)
EXT	EXTERIOR	STP	SHIELDED TWISTED PAIR
(F)	FUTURE	SEC	SECURITY
FACP	FIRE ALARM CONTROL PANEL	TBB	TELECOMMUNICATIONS BONDING BACKBONE
FATC	FIRE ALARM TERMINAL CABINET	TELCO	TELEPHONE COMPANY
FABP	FIRE ALARM BOOSTER PANEL	TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
FB	FLOORBOX	TMGB	TELECOMMUNICATION MAIN GROUNDING BUSBAR
FO	FIBER OPTIC	TYP	TYPICAL
GC	GENERAL CONTRACTOR	UNO	UNLESS NOTED OTHERWISE
IDF	INTERMEDIATE DISTRIBUTION FRAME	UPS	UNINTERRUPTIBLE POWER SUPPLY
INT	INTERIOR	UTP	UNSHIELDED TWISTED PAIR
IP	INTERNET PROTOCOL	V	VOICE
JB	JUNCTION BOX	WB	WALL BOX
LV	LOW VOLTAGE	WP	WEATHERPROOF
MDF	MAIN DISTRIBUTION FRAME		
MIC	MICROPHONE		
MM	MULTIMODE		
MPOE	MINIMUM POINT OF ENTRY		

CODES AND STANDARDS

APPLICABLE PROJECT BUILDING CODES, EFFECTIVE AS OF DATE: JANUARY 1, 2023

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC)
2022 CALIFORNIA BUILDING CODE (CBC)
2022 CALIFORNIA ELECTRICAL CODE (CEC)
2022 CALIFORNIA FIRE CODE (CFC)
2022 CALIFORNIA ENERGY CODE
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
2022 CALIFORNIA REFERENCED STANDARDS CODE
2022 NFPA 72: NATIONAL TECHNOLOGY AND SIGNALING CODE
2022 NFPA 1221: STANDARD FOR THE INSTALLATION, MAINTENANCE, AND USE OF EMERGENCY SERVICES COMMUNICATIONS SYSTEMS

APPLICABLE INDUSTRY STANDARDS, CURRENT EDITION

TIA-568: GENERIC CABLE STANDARDS
TIA-568-1: COMMERCIAL CABLE STANDARDS
TIA-568-2: BALANCED TWISTED PAIR CABLING AND COMPONENTS TIA-568-3: OPTICAL CABLING FEEDER COMPONENTS
TIATIA-568-4: BROADBAND COAX CABLING AND COMPONENTS TIA-569: TELECOMMUNICATION PATHWAYS AND SPACES
TIA-570: RESIDENTIAL TELECOMMUNICATIONS
TIA-598: OPTICAL FIBER CABLE COLOR CODING
TIA-606: ADMINISTRATIVE LABELING STANDARDS
TIA-607: TELECOMMUNICATIONS BONDING AND GROUNDING TIA-758: TELECOMMUNICATIONS OUTSIDE PLANT
TIA-526-7: SINGLE-MODE FIBER STANDARDS
TIA-526-14: MULTI-MODE FIBER STANDARDS

SHEET INDEX

T0.1-1	TECHNOLOGY COVER SHEET
T1.0-1	TECHNOLOGY SITE PLAN
T2.0-1	TECHNOLOGY DETAILS

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER — NATHAN A. HERRIN — No. E 23927 — 3-31-2026 — ELECTRICAL — STATE OF CALIFORNIA

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REGISTERED ARCHITECT — MATTHEW T. MALTBIE — No. C 26867 — RENEWAL DATE: 1/31/2027 — STATE OF CALIFORNIA

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

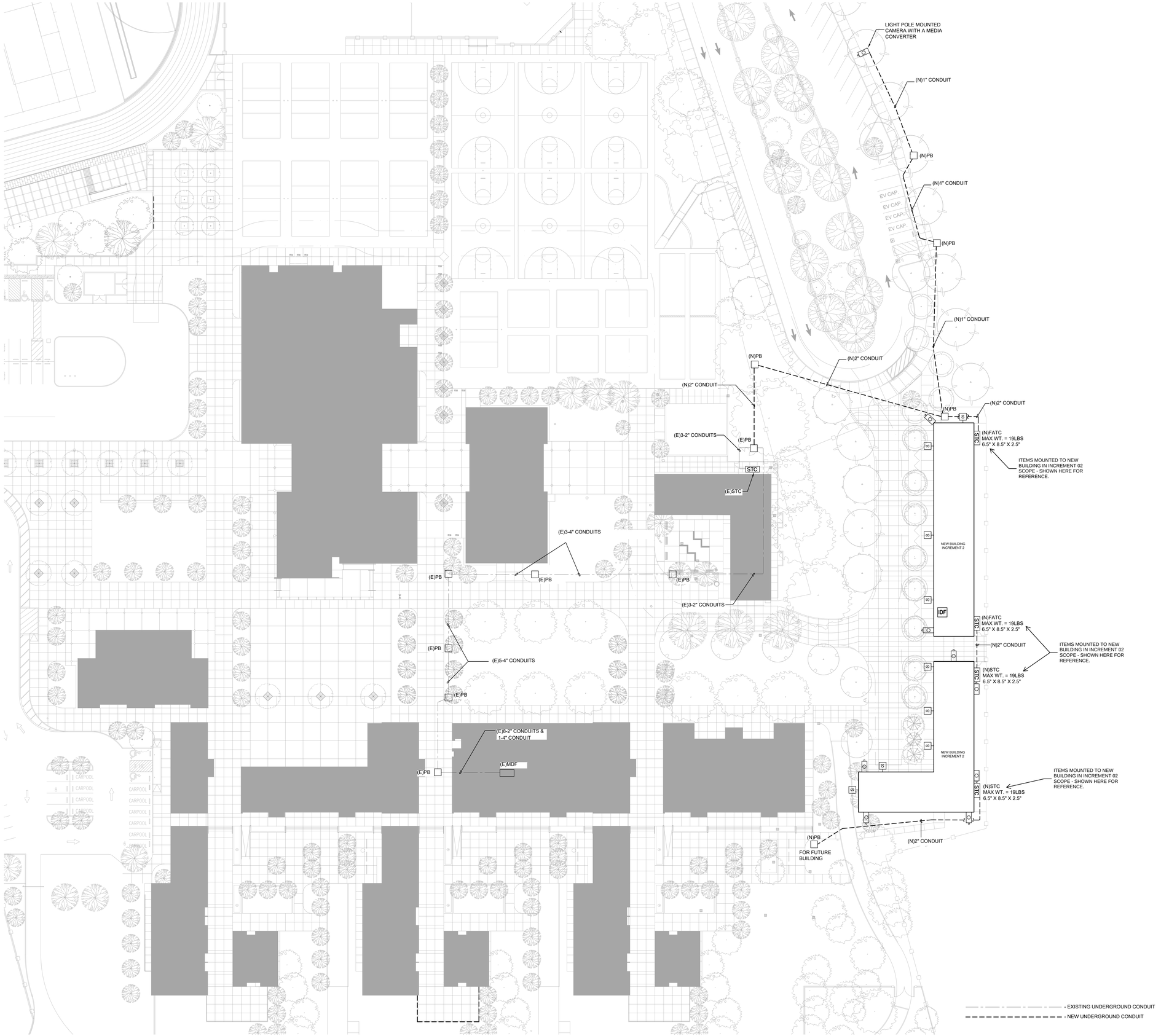
JOB NO.: Y2514.00

SHEET TITLE

TECHNOLOGY COVER SHEET

SHEET NO.

T0.1-1



TECHNOLOGY SITE PLAN

SCALE : 1"=30'-0"

1 / T1.0-1

N

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

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No. C 26867
RENEWAL DATE: 1/31/2027
STATE OF CALIFORNIA

ARCHITECT

REVISIONS

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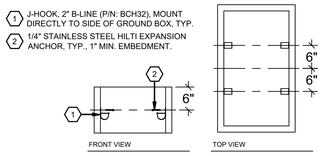
TECHNOLOGY SITE PLAN

SHEET NO.

T1.0-1



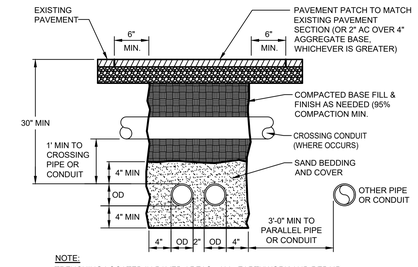
NOTES:
1. DESIGN LOAD: H-20 FULL TRAFFIC.
2. ALL EXTENSIONS TO INCLUDE J-HOOKS, NO J-HOOKS IN MAIN BOX UNLESS NO EXTENSIONS USED.

CATALOG NUMBER	PRODUCT	DESCRIPTION
CYB1730 CYN36SL	BOX WITH SLAB	REINFORCED CONCRETE
CY173051JH	COVER	STEEL CHECKER PLATE (H20 HEAVY DUTY)
CYB1730EXT	EXTENSION	12" HIGH REINFORCED CONCRETE
CYHDB1730	HOLD DOWN BOLT	HOLD DOWN PENTAHEAD BOLT (2 EA.)

SIGNAL GROUND BOX 17"X30" INTERNAL

SCALE : NONE

3 T2.0-1

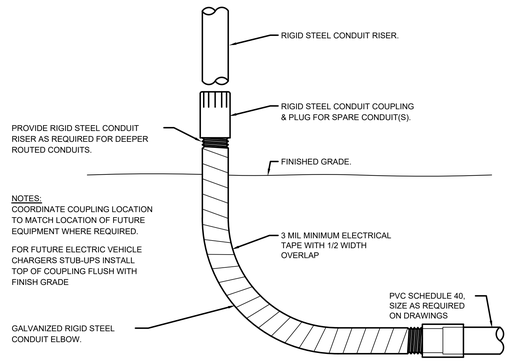


NOTE:
TRENCHING LOCATED IN PAVED AREAS - ALL EARTHWORK AND REPAIR SHALL BE IN ACCORDANCE WITH AGENCY THAT HAS JURISDICTION.

TYPICAL TRENCH DETAIL

SCALE : NONE

1 T2.0-1



CONDUIT STUB-UP DETAIL

SCALE : NO SCALE

2 T2.0-1

INCREMENT NO. 1

BID SET

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SHEET TITLE

TECHNOLOGY DETAILS

SHEET NO.

T2.0-1

ONE INCH = TWENTY FEET ONE-SIXTEENTH INCH = ONE FOOT ONE-EIGHTH INCH = ONE FOOT ONE-QUARTER INCH = ONE FOOT THREE-QUARTERS INCH = ONE FOOT ONE INCH = ONE FOOT ONE AND ONE-HALF INCH = ONE FOOT

INCREMENT NO. 1

TEST MA… …or to adding do… the Sessi… …place this test r… top edge of the first sheet and change status to "INCORPORATE". If Back-check menu does not sh… color does not change to green, the Plan Reviewer … back-check menu. For guidance on how to fix the b… menu, refer to "_DSA EPR Support > Help Desk > F… Check Menu"

BID SET

DESIGN CRITERIA	
BASE LOCATION LOCATED AT BOTTOM OF BASEPLATE/TOP OF FOOTING	
DESCRIPTION	DESIGN VALUES
DEAD AND LIVE LOADS	
ROOF LIVE LOAD	20 PSF
ROOF DEAD LOAD (SUPERIMPOSED ON FRAME)	4.5 PSF MAX
ROOF PANEL DEAD LOAD	M=1.1 PSF, G = 1.2 PSF, S = 1.3 PSF
COLLATERAL DEAD LOAD	M = 3.0 PSF, G = 3.0 PSF, S = 3.0 PSF
ROOF LIVE LOAD	
ROOF LIVE LOAD, L_r	20 PSF
ROOF SNOW LOAD	
GROUND SNOW LOAD, P_g	20 PSF
RISK CATEGORY	II
ROOF SNOW LOAD: SLOPED, P_s	20 PSF
FOR SNOW LOAD CONDITIONS ONLY - SITE APPLICATION REVIEWER SHALL VERIFY THE STRUCTURE SHALL BE LOCATED AT LEAST 20 FEET FROM ANY ADJACENT STRUCTURE FOR SNOW DRIFT.	
SNOW LOAD SLOPE FACTOR, C_s	1.1
SNOW LOAD EXPOSURE FACTOR, C_e	1.0
SNOW LOAD IMPORTANCE FACTOR, I_s	1.0
THERMAL FACTOR, C_t	1.2
LOWEST ANTICIPATED SERVICE TEMPERATURE	30
WIND LOAD	
BASIC WIND SPEED (3 SECOND GUST), V_{ult}, V_{asd}	100 MPH, 78 MPH
RISK CATEGORY	II
EXPOSURE CATEGORY	C
FACTORS: K_e, K_{zt}, K_d	0.88, 1.0, 0.85
$q_h = 0.00256\ K_z K_{zt} K_d V^2$	19.08 PSF
SEISMIC DESIGN	
LATERAL FORCE RESISTING SYSTEM	STEEL - ORDINARY CANTILEVER COLUMN
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
SEISMIC IMORTANCE FACTOR, I_e	1.0
SEISMIC SITE CLASS	D
MCE_R SPECTRAL RESPONSE ACCELERATION @ 0.2 s, S_s	2.14
MCE_R SPECTRAL RESPONSE ACCELERATION @ 0.2 s, S_1	0.90
SHORT PERIOD SITE COEFFICIENT, F_a	1.00
LONG PERIOD COEFFICIENT, F_v	1.70
FUNDAMENTAL PERIOD OF THE STRUCTURE, T (WORST CASE FOR ALL STRUCTURES)	0.152 s
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, S_{DS}	1.712
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-s PERIODS, S_{D1}	1.02
SEISMIC DESIGN CATEGORY	E
SITE SPECIFIC RESPONSE ANALYSIS NOT REQUIRED PER ASCE 7 11.4.8	T_s = 0.49 s | T < 1.5 * T_s
RESPONSE MODIFICATION FACTOR, R	1.25
OVERSTRENGTH FACTOR, Ω	1.25
REDUNDANCY FACTOR, ρ	1.3
HORIZONTAL OR VERTICAL IRREGULARITIES	NONE
SEISMIC RESPONSE COEFFICIENT, C_s	1.37
DESIGN BASE SHEAR, V (MC10' WIDE, MC16' WIDE, MT16' WIDE) (WORST CASE)	19.20 PSF ☐ | 19.20 PSF ☐ | 19.20 PSF ☐
ALLOWABLE SOIL BEARING FOR FOUNDATIONS	VARIES - SEE FOUNDATION CHARTS
FLOOD DESIGN - DESIGN IS ASSUMED TO NOT BE IN FLOOD HAZARD AREA	☒
IF PROJECT IS LOCATED IN A FLOOD ZONE OTHERTHAN ZONE X, A LETTER STAMPED & SIGNED FROM A SOILS ENGINEER IS REQUIRED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED.	☐

SHEET INDEX

LS1.0 COVERED WALKWAY
LS1.1 GENERAL NOTES
LS1.2 DSA 103
LS1.3 DSA 103
LS2.0 MC10 FOUNDATION PLAN
LS2.1 MC10 CONNECTION DETAILS
~~LS2.2 MC10 MULTI RIB DETAILS~~
~~LS2.3 MC10 MEGA RIB DETAILS~~
LS2.4 MC10 STANDING SEAM DETAILS
LS3.0 MC16 FOUNDATION PLAN
LS3.1 MC16 CONNECTION DETAILS
~~LS3.2 MC16 MULTI RIB DETAILS~~
~~LS3.3 MC16 MEGA RIB DETAILS~~
LS3.4 MC16 STANDING SEAM DETAILS
LS4.0 MT16 FOUNDATION PLAN
LS4.1 MT16 CONNECTION DETAILS
~~LS4.2 MT16 MULTI RIB DETAILS~~
~~LS4.3 MT16 MEGA RIB DETAILS~~
LS4.4 MT16 STANDING SEAM DETAILS
LS5.0 OPTIONAL ELECTRICAL

TOTAL SHEETS: 20

INSTRUCTIONS FOR ARCHITECTS SUBMITTING THESE PRE-CHECKED DRAWINGS TO DSA:

BEFORE SUBMITTING THESE PRE-CHECKED DRAWINGS FOR YOUR PROJECT, FOLLOW THE STEPS BELOW TO PROPERLY DEFINE THE APPROVED OPTIONS:

STEP 1: SELECT FRAME DIMENSIONS FOR YOUR PROJECT
- MAXIMUM WIDTH IS 16' (SEE "ARCHITECTURAL VIEWS" SHEET FOR REFERENCE)
- THE SUGGESTED LENGTHS IN THIS TABLE ARE RECOMMENDED BECAUSE THEY ARE THE MOST ECONOMICAL (25' BAYS FOR 10' WIDE 20' BAYS FOR 16' WIDTH
- FRAME LENGTHS ASSUME 2' OVERHANGS (UNO BY ARCHITECT – 2' MAX DIMENSION)

STEP 1	FRAME DIMENSIONS											
		SUGGESTED								OTHER	
	FRAME WIDTH	[ ] (10' MC)			[ ] (16' MC)			[ ] (16' MT)		☒ 12'	(16' MAX)
	HEIGHT UNDER EAVE	[ ] (10')	☒ (12')	[ ] (16')	[ ] (10')		[ ] (12')		[ ] (16')	[ ]	(16' MAX)
	FRAME LENGTH	[ ] (29')	[ ] (54')	[ ] (79')	[ ] (104')	☒ (24')	[ ] (44')	[ ] (79')	[ ] (84')	[ ] (104')	[ ]	(NO MAX)

STEP 2: SELECT COLUMN LOCATION
- COLUMN LOCATED AT EDGE OF STRUCTURE USE "MC10" OR "MC16" BASE FRAME
- COLUMNS LOCATED AT CENTER OR OFFSET FROM CENTER OF STRUCTURE USE "MT16" BASE FRAME
- FOR COLUMNS LOCATED AT CENTER OF STRUCTURE WIDTH, MAXIMUM OFFSET FROM CENTERLINE IS +/-2'-0"

STEP 2	COLUMN LOCATION						
		EDGE OF STRUCTURE (MC)		CENTER OF STRUCTURE (MT)			
	OFFSET FROM STRUCTURE CENTERLINE	[ ] N/A		[ ] +2'-0"	[ ] +1'-0"	[ ] 0'-0"	[ ] -1'-0"	[ ] -2'-0"

STEP 3: SELECT ROOF DECK FOR YOUR PROJECT
- "M" REPRESENTS McELROY METAL "MULTI-RIB" ROOF PANEL
- "G" REPRESENTS McELROY METAL "MEGA-RIB" ROOF PANEL
- "S" REPRESENTS McELROY METAL "MEDALLION-LOK" 16" STANDING SEAM ROOF PANEL

STEP 3	ROOF PANEL			
	ROOF PANEL TYPE	[ ] M	[ ] G	☒ S

STEP 4: IDENTIFY THE Ss ACCELERATION (g) FOR YOUR PROJECT
- Ss VALUE DETERMINES THE REQUIRED SEISMIC DESIGN FORCES
- Ss VAULE DEPENDS ON THE PROJECTS GEOGRAPHICAL LOCATION (VALUES RANGE FROM 0.00 TO 3.73)
- FIND Ss VALUES FOR YOUR PROJECT ON THE USGS WEBSITE (SEARCH INTERNET FOR "USGS SEISMIC DESIGN MAPS")

STEP 4	PROJECT SITE – Ss ACCELERATION (g)
	_._____

STEP 5: IDENTIFY THE Ss REGION FOR YOUR PROJECT
- THE REGIONS ARE DEPENDENT ON THE Ss VALUE DETERMINED IN STEP 4

STEP 5	Ss REGION			
			Ss	MAX DEAD LOAD
	DEFAULT	[ ]	0 < Ss <= 2.14	4.5 PSF

STEP 6: IDENTIFY THE ROOF DEAD LOAD FOR YOUR PROJECT
- THE ROOF DECK DEAD LOAD WILL ALWAYS BE INCLUDED
- THE COLLATERAL LOAD REPRESENTS ADDITIONAL LOAD THAT CAN BE SUPPORTED BY THE FRAME.
- BE SURE THE TOTAL ROOF DEAD LOAD FOR YOUR PROJECT IS LESS THAN OR EQUAL TO THE MAX DEAD LOAD SHOWN IN STEP 3 FOR YOUR Ss VALUE
- Ss VALUE USED IN CALCULATION IS THE CAPPED Sds (SEE DESIGN CRITERIA)

STEP 6	TOTAL ROOF DEAD LOAD		
		DEAD LOAD	EXAMPLES
	ROOF DECK	_____ PSF	M=1.1PSF; G=1.2PSF; S=1.3PSF (SEE STEP 3)
	COLLATERAL	_____ PSF	LIGHTNING, FIRE SUPPRESSION, SOLAR PANELS, ETC
	TOTAL	_____ PSF	ADD ROOF DECK AND COLLATERAL LOADS (MAX 4.5PSF)

STEP 7: IDENTIFY THE FOUNDATION REQUIREMENTS FOR YOUR PROJECT (ALL CRITERIA MUST BE MET TO USE SOIL CLASSES)
- IDENTIFY SOIL CLASS FOR PROJECT SITE PER SITE SPECIFIC SOIL CONDITIONS
- USE THIS TO SELECT CORRECT FOUNDATION SIZE ON FOUNDATION SHEET

AREA OVER 4000 SQFT REQUIRES A GEOHAZARD REPORT

STEP 7	FOUNDATION REQUIREMENTS		
	[ ] GEOTECHNICAL REPORT NOT REQUIRED	[ ] GEOTECHNICAL REPORT REQUIRED	
	SOIL CLASS 5 [ ]	SOIL CLASS 4 [ ]	SOIL CLASS 3 [ ]
	BEARING 1,500 PSF	BEARING 2,000 PSF	BEARING 3,000 PSF
	LATERAL BEARING 200 PSF/FT	LATERAL BEARING 300 PSF/FT	LATERAL BEARING 400 PSF/FT
	ALLOWABLE SKIN FRICTION 250 PSF	ALLOWABLE SKIN FRICTION 275 PSF	ALLOWABLE SKIN FRICTION 300 PSF
	UPLIFT SKIN FRICTION 100 PSF	UPLIFT SKIN FRICTION 125 PSF	UPLIFT SKIN FRICTION 150 PSF

STEP 8: SELECT MISCELLANEOUS OPTIONS FOR YOUR PROJECT
- MAXIMUM CLEAR HEIGHT IS 16'-0"; (SEE "ARCHITECTURAL VIEWS" SHEET FOR REFERENCE)
- MARK UP PC DRAWINGS WITH SIZE AND LOCATION OF CUTOUTS BEFORE SUBMITTING TO DSA

STEP 8	MICELLANEOUS			
		DESIGN OPTIONS		
	CLEAR HEIGHT	[ ] 10'	[ ] 12'	[ ] 16'	[ ] ' (16' MAX)
	ELECTRICAL CUTOUTS	[ ] YES	[ ] NO	
	GUTTERS	[ ] YES	[ ] NO	

STEP 9: SELECT APPLICABLE SHEET INDEX FOR YOUR PROJECT
- REFERENCE THE BASE FRAME (STEP 1) AND THE ROOF PANEL TYPE (STEP 3)
- IDENTIFY THE APPLICABLE SHEET INDEX

STEP 9	SHEET INDEX											
	BASE FRAME	MC10				MC16				MT16		
	ROOF PANEL TYPE	M	G	S		M	G	S		M	G	S
	SELECT ONE	[ ]	[ ]	[ ]		[ ]	[ ]	[ ]		[ ]	[ ]	[ ]
	GENERAL NOTES	LS1.0	LS1.0	LS1.0		LS1.0	LS1.0	LS1.0		LS1.0	LS1.0	LS1.0
	GENERAL NOTES	LS2.0	LS2.0	LS2.0		LS3.0	LS3.0	LS3.0		LS4.0	LS4.0	LS4.0
	FOUNDATION PLAN	LS2.1	LS2.1	LS2.1		LS3.1	LS3.1	LS3.1		LS4.1	LS4.1	LS4.1
	FRAME CONNECTION DETAILS	LS2.2	LS2.2	LS2.2		LS3.2	LS3.2	LS3.2		LS4.2	LS4.2	LS4.2
	ROOFING LAYOUT & DETAILS	LS2.3	LS2.3	LS2.3		LS3.3	LS3.3	LS3.3		LS4.3	LS4.3	LS4.3
	MISC DESIGN OPTIONS	LS5.0	LS5.0	LS5.0		LS5.0	LS5.0	LS5.0		LS5.0	LS5.0	LS5.0
	DSA FORM 103	LS1.2	LS1.2	LS1.2		LS1.2	LS1.2	LS1.2		LS1.2	LS1.2	LS1.2
		LS1.3	LS1.3	LS1.3		LS1.3	LS1.3	LS1.3		LS1.3	LS1.3	LS1.3

STEP 10: INCLUDE APPLICABLE SHEETS WITH YOUR DSA SUBMITTAL
- INCLUDE "MISC DESIGN OPTIONS" SHEET FOR PROJECTS WITH ELECTRICAL CUTOUTS OR GUTTERS

STEP 11: IDENTIFY PROJECT NAME AND LOCATION

PROJECT NAME:	SCHOOL DISTRICT:
CREEKVIEW RANCH SCHOOL - CAMPUS EXPANSION	DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

STEP 12: CROSS OUT EXAMPLE 103 FORMS & INCORPORATE REQUIRED SPECIAL INSPECTIONS 103 FORMS THAT ARE PROJECT SPECIFIC

SELECT ONE

SITE SPECIFIC PARAMETERS

INSTRUCTIONS: DESIGN PROFESSIONAL SHALL CHECK THE APPROPRIATE SELECTION BOXES BELOW AND ENTER THE DESIGN PARAMETERS APPLICABLE TO THE SPECIFIC PROJECT SITE

SNOW
pg <= 20PSF ☒
Pf <= 20PSF ☒
Ce = 1

WIND
V = 95 mph < 100 mph
kzt = 1 ≤ 1
EXPOSURE: C ☒ (MAXIMUM)

SIESMIC
☐ DESIGN BASED ON SITE CLASS D (DEFAULT)
NO GEOTECHNICAL INVESTIGATION REQUIRED
Ss = _____ Fa = 1.2

☐ DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16
GEOTECHNICAL INVESTIGATION PROVIDED
SITE CLASS: A☐ B☐ C☐ D☐ E☐
Ss = _____ Fa = _____ PER ASCE 7-16 SUPPL 3, TABLE 11.4-1

☒ DESIGN BASED ON SITE SPECIFIC GROUND MOTION HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16
GEOHAZARD INVESTIGATION REPORT REQUIRED
SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, Sds, SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION. ROOF AREA OVER 4000 SQFT REQUIRES A GEOHAZARD REPORT
C.O.S. APPROVAL REQUIRED
NOT ELEGIBLE FOR OTC REVIEW
SITE CLASS: C☐ D☒ E☐

Sds = 2/3 x Fa x Ss = 0.393
☒ SITE CLASS C or D: = 1.25 < 1.712
☐ SITE CLASS E: Sds = _____ ≤ 1.712
Cs= 1.37 USED IN DESIGN
SEISMIC DESIGN CATEGORY D ☒ E ☐

ABBREVIATIONS:			
ACI	AMERICAN CONCRETE INSTITUTE	MPH	MILES PER HOUR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	M	MULTI-RIB ROOF PANEL (MCELROY)
ASM	ASSEMBLY (INTERNAL REFERENCE)	NTS	NOT TO SCALE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATLS	NO	NUMBER
AWS	AMERICAN WELDING SOCIETY	OC	ON CENTER
CBC	CALIFORNIA BUILDING CODE	OSHA	OCCUPATIONAL HEALTH AND SAFETY ADMIN
CJP	COMPLETE JOINT PENETRATION	PCF	POUNDS PER CUBIC FOOT
CLR	CLEAR	PJ	PRETENSIONED JOINT
DEG	DEGREE	PLCS	PLACES
DIA	DIAMETER	PLT	PLATE
DIM	DIMENSION	PSF	POUNDS PER SQUARE FOOT
DSA	DIVISION OF THE STATE ARCHITECT	PSI	POUNDS PER SQUARE INCH
EQ	EQUAL	QTY	QUANTITY
FT	FEET	REF	REFERENCE
GA	GAGE	SQ	SQUARE
IN	INCHES	SS	STANDING SEAM ROOF PANEL (MCELROY)
KSI	KIPS PER SQUARE INCH	TYP	TYPICAL
MAX	MAXIMUM	UNO	UNLESS NOTED OTHERWISE
MIN	MINIMUM	USGS	U.S. GEOLOGICAL SURVEY
MISC	MISCELLANEOUS	W/	WITH

ARCHITECTURAL REQUIREMENTS	
DESCRIPTION	DESIGN VAULES
TYPE OF CONSTRUCTION	II-B
OCCUPANCY CLASSIFICATION	A-3
NUMBER OF STORIES	1
FIRE SPRINKLER SYSTEM	NOT BY ICON/WEIGHT NOT INCLUDED IN DESIGN
MOST COMMON MC10 MIN/MAX SQ.FT (SEE STEP 1)	290/3,790
MOST COMMON MC16 MIN/MAX SQ.FT (SEE STEP 1)	384/3,904
MOST COMMON MT MIN/MAX SQ.FT (SEE STEP 1)	384/4,000

AREA OVER 4000 SQFT REQUIRES GEOHAZARD REPORT

RELATED BUILDING CODES AND STANDARDS

TITLE 24 CODES:

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC).....(PART 1, TITLE 24, CCR)
2022 CALIFORNIA BUILDING CODE (CBC),PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE.....(PART 3, TITLE 24, CCR)
2022 CALIFORNIA MECHANICAL CODE (CMC).....(PART 4, TITLE 24, CCR)
2022 CALIFORNIA PLUMBING CODE (CPC).....(PART 5, TITLE 24, CCR)
2022 CALIFORNIA ENERGY CODE.....(PART 6, TITLE 24, CCR)
2022 CALIFORNIA FIRE CODE (CFC) .....(PART 9, TITLE 24, CCR)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE.....(PART 11, TITLE 24, CCR)
2022 CALIFORNIA REFERENCE STANDARDS CODE.....(PART 12, TITLE 24, CCR)
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

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

SCOPE OF WORK NARRATIVE

THESE DRAWINGS ILLUSTRATE THE FABRICATION AND INSTALLATION REQUIREMENTS FOR A FREE-STANDING PREFABRICATED STEEL SHADE STRUCTURE. THE ENTIRE STRUCTURAL SYSTEM IS COMPRISED OF HOLLOW STRUCTURAL STEEL MEMBERS SUPPORTED BY CONCRETE FOUNDATIONS. THE FLEXIBILITY NOTED HEREIN ALLOWS THE STRUCTURE TO COMPLY WITH THE RANGE OF PROJECT SITES AND LOADING REQUIREMENTS.

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

PRINTED ON :

ICON STD	WALKWAY PC
DRAWN BY	ANGEL
DATE	2/19/2024
REV	
REV DATE	

TKJ STRUCTURAL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER KYLE T. JOHNSON No. 93845 Exp. 6-30-25 STRUCTURAL STATE OF CALIFORNIA

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123290 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 08/07/2024

COVERED WALKWAY GENERAL INFORMATION

ICON Shelter Systems Inc
DISTINCTIVE STEEL SHELTERS
WWW.ICONSHELTERS.COM
COPYRIGHT 2006, ICON SHELTER SYSTEMS, INC.
1455 LINCOLN AVE
HOLLAND MI, 49423
616.396.0919
800.748.0985
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LS1.0

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL
CAMPUS EXPANSION
8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

COVERED WALKWAY GENERAL INFORMATION

SHEET NO.

LS1.0

ONE INCH = TWENTY FEET ONE-SIXTEENTH INCH = ONE FOOT ONE-EIGHTH INCH = ONE FOOT ONE-QUARTER INCH = ONE FOOT ONE-HALF INCH = ONE FOOT ONE INCH = ONE FOOT THREE-QUARTERS INCH = ONE FOOT

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

GENERAL:

1. GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE THEY MAY CONFLICT WITH DETAILS AND NOTES ON OTHER SHEETS. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW BY THE STRUCTURAL ENGINEER FOR THIS PROJECT.
2. WORK SHALL CONFORM TO THE REQUIREMENTS, AS AMENDED TO DATE, OF THE LATEST ADOPTED EDITION OF THE CBC, C.A.C. TITLE 24, AND ALL STATE AND FEDERAL REGULATIONS.
3. OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT PRIOR TO PROCEEDING WITH ANY WORK INVOLVED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
5. THESE CONSTRUCTION DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO, BRACING, TEMPORARY SUPPORTS, AND SHORING. OBSERVATION VISIT TO THE SITE BY FIELD REPRESENTATIVES OF THE ARCHITECT/ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONSTRUCTION AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER, WHETHER OF MATERIAL OR WORK, ARE FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, BUT DO NOT GUARANTEE CONSTRUCTION.
6. ASTM DESIGNATIONS AND ALL STANDARDS REFER TO THE LATEST AMENDMENTS, EXCEPT AS AMENDED BY CBC CHAPTER 35.
7. CONFORM TO APPLICABLE CAL/OSHA CONSTRUCTION SAFETY REGULATIONS FOR ALL WORK PERFORMED DURING CONSTRUCTION. JOB SITE SAFETY IS STRICTLY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT THE ARCHITECT/ENGINEER OR OWNER.
8. THE ENGINEER AND THEIR CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, HANDLING, REMOVAL OR DISPOSAL OF HAZARDOUS MATERIALS AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
9. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, BUT DO NOT GUARANTEE CONSTRUCTION. OF WORK IS PROPOSED, A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED CHANGE(S) SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
10. THE SCHOOL DISTRICT INSPECTOR ON RECORD SHALL INSPECT AND APPROVE THE ERECTED FRAME PRIOR TO ROOF INSTALLATION.
11. SEE REQUIREMENTS FOR LOCATION IN ANY FIRE HAZARD SEVERITY ZONE FOR WILDLAND URBAN INTERFACE AREAS (WUI) AS SPECIFIED IN THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE. PROVIDE PROTECTION AND DETAILS OF ALL AREAS COMPLYING WITH THE WUI REQUIREMENTS. SEE CBC CHAPTER 7A FOR REQUIREMENTS
12. LOCATING THIS STRUCTURE CLOSER THAN 20 FEET TO OTHER STRUCTURES MAY AFFECT THE ALLOWABLE AREA FOR THE EXISTING CONSTRUCTION PER THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE.
13. VIEWS AND DETAILS ARE NOT DRAWN TO SCALE (UNLESS NOTED OTHERWISE). DO NOT SCALE THESE DRAWINGS.

STRUCTURAL AND MISCELLANEOUS STEEL:

1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL REFERENCED BY THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.
2. PIPE SECTIONS SHALL CONFORM TO ASTM A53, Fy = 35 KSI, GRADE B OR A501 UNLESS NOTED OTHERWISE.
3. STRUCTURAL TUBING (HSS SHAPES) SHALL CONFORM TO ASTM A-500, GRADE B (OR C), Fy = 46 KSI, MIN.
4. IF MATERIAL AVAILABILITY IS LIMITED, MEMBER THICKNESS CAN BE INCREASED BEYOND WHAT IS SHOWN IN THESE DRAWINGS (MAXIMUM INCREASE OF 1/8").
5. ALL CHANNELS, ANGLES, AND MISC. STEEL SHALL CONFORM TO ASTM A-36, Fy = 36 KSI.
6. ALL PLATE STEEL SHALL CONFORM TO ASTM A-572, Fy= 50 KSI.
7. ALL COLD FORM STEEL SHALL CONFORM TO ASTM A-653, CS = TYPE B, Fy = 50 KSI Fu = 65 KSI
8. STRUCTURAL STEEL AND DECK SHALL BE IDENTIFIED FOR CONFORMITY PER CBC 2202A.1.
9. ALL ROOF DECKS SHALL HAVE KYNAR 500 METAL COATING.
10. ALL ROOF DECKS SHALL CONFORM TO ASTM A-792, Fy = 50 KSI.
11. ALL BASE CONNECTIONS ARE A PART OF THE LATERAL FORCE RESISTING SYSTEM

NOTICE OF DISCLAIMER FOR STRUCTURAL ENGINEERING RESPONSIBILITY

1. PER TITLE 24, PART 1, SECTION 4-316(e) OF THE CALIFORNIA CODE OF REGULATIONS, THIS NOTICE SHALL BE GIVEN TO DSA PRIOR TO THE APPROVAL OF PLANS AND SPECIFICATIONS.
2. FOR THE SITE SPECIFIC PROJECT, TKJ STRUCTURAL ENGINEERING is NOT THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
3. FOR THE SITE SPECIFIC PROJECT, TKJ STRUCTURAL ENGINEERING'S RESPONSIBILITY is LIMITED TO THE PREPARATION OF THE PLANS AND SPECIFICATIONS FOR THE SHELTERS OF THIS PC ONLY.
4. STRUCTURAL OBSERVATION OF CONSTRUCTION IS SPECIFICALLY EXCLUDED FROM TKJ STRUCTURAL ENGINEERING'S RESPONSIBILITY FOR THE SITE SPECIFIC PROJECT.
5. ALL CONSTRUCTION ACTIVITIES RELATED TO STRUCTURAL ENGINEERING SHALL BE DELEGATED TO A QUALIFIED ENGINEER BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE. THESE ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, STRUCTURAL OBSERVATION OF CONSTRUCTION, REVIEW OF INSPECTION REPORTS, AND SIGNING OFF OF THE VERIFIED REPORT FOR COMPLETED WORK.
6. TKJ STRUCTURAL ENGINEERING WILL BE RESPONSIBLE FOR RESPONDING TO QUESTIONS PERTAINING TO THE PLANS AND SPECIFICATIONS FOR THE SHELTERS OF THIS PC WHICH ARISE DURING PLAN REVIEW AND CONSTRUCTION.

CONSTRUCTION NOTES

1. A DSA-CERTIFIED CLASS 3 (MINIMUM) PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT.
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, C.C.R.
3. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, C.C.R.
4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
5. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS ARE THAT ALL THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, C.C.R. 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, C.C.R. 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, C.C.R)
6. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES

WELDING:

1. ALL WELDING SHALL COMPLY WITH AWS D1.1 SPECIFICATIONS AND SHALL BE DONE BY AWS QUALIFIED WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED AS REQUIRED BY DSA.
2. ALL WELDING SHALL BE DONE BY GAS METAL ARC PROCESS WITH E70XX ELECTRODES. FLUX CORE ARC WELD SHALL CONFORM TO CHARPY NOTCH TOUGHNESS RATING OF 20 ft-lb @ (0° F).
3. ALL WELDING SHALL BE DONE IN THE SHOP WITH REQUIRED INSPECTION, PRE-APPROVED BY DSA, TO ENSURE PROPER MATERIAL ID AND WELDING.
4. WELD FILLER METAL MANUFACTURER SHALL PROVIDE WRITTEN CERTIFICATION OF COMPLIANCE WITH CODE AND SPECIFICATIONS.

BOLTING:

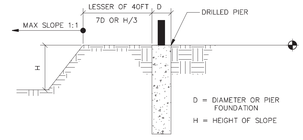
1. ALL BOLTS SHOWN ON THESE DRAWINGS ARE HOT DIPPED GALVANIZED ASTM F3125 GRADE A325 HIGH STRENGTH BOLTS (UNO), WITH THE NUTS CONFORMING TO HOT DIPPED GALVANIZED ASTM A-563 GRADE DH.
2. HIGH STRENGTH BOLTS SHALL BE VERIFIED AND INSPECTED PER CBC 1705A2.1.
3. BEFORE ERECTING THE FRAME, VERIFY ALL BOLTS AND NUTS ARE CLEAN OF DEBRIS AND BURRS – INCLUDING THE HARDWARE ALREADY FASTENED INSIDE THE MEMBERS. CHASING SOME OF THE BOLTS AND NUTS MAY BE REQUIRED.
4. HARDENED STEEL WASHERS SHALL CONFORM TO ASTM F-436.
5. THE BOLTING INSTALLATION REQUIREMENTS OUTLINED BELOW ARE CRITICAL TO THE STRUCTURE'S DESIGN AND PERFORMANCE. THE INSTALLER IS REQUIRED TO COORDINATE THIS PHASE OF CONSTRUCTION WITH THE SPECIAL BOLTING INSPECTOR AND THE INSPECTOR OF RECORD PRIOR TO THE ERECTION OF THE FRAME
   BE INSTALLED AND INSPECTED PER THE APPLICABLE VERSION OF AISC'S.
   USING HIGH-STRENGTH BOLTS", CBC 1705A.2.1; AISC 341-16 J7; AISC 360-16 N5.6.

   A) PRETENSIONED JOINTS MUST BE INSTALLED AND INSPECTED TO MEET ONE OF THE FOLLOWING REQUIREMENTS:
      1. TURN-OF-NUT PRETENSIONING: PER SECTION 8.2.1 OF THE *SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS*., WASHERS ARE NOT REQUIRED FOR THIS METHOD, THE NUT OR HEAD SHALL BE ROTATED AS SPECIFIED IN TABLE 8.2. THE PART NOT TURNED SHALL BE PREVENTED FROM ROTATING.
      2. CALIBRATED WRENCH: PER THE *SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS*, WASHERS ARE REQUIRED (NOT SUPPLIED BY ICON) THESE SHALL BE INSTALLED PER THE INSTALLATION TORQUE DETERMINED IN THE PRE-INSTALLATION VERIFICATION OF THE FASTENER ASSEMBLY PER SECTION 7. THE PART NOT TURNED SHALL BE PREVENTED FROM ROTATING.
      3. IDENTIFIED ON THE FRAME CONNECTION DETAILS WITH "PT REQUIRED"

   B) ALL OTHER JOINTS MUST BE INSTALLED AND INSPECTED TO MEET THE REQUIREMENTS OF THE SNUG-TIGHTENED JOINTS. SNUG TIGHT CONDITION EXISTS WHEN ALL PLIES IN A CONNECTION HAVE BEEN PULLED INTO FIRM CONTACT BY THE BOLTS IN THE JOINT AND ALL OF THE BOLTS IN THE JOINT HAVE BEEN TIGHTENED SUFFICIENTLY TO PREVENT REMOVAL OF THE NUTS WITHOUT THE USE OF A WRENCH.

FOUNDATIONS:

1. ALLOWABLE SOIL PRESSURES ASSUME CLASS 5 SOIL CLASSIFICATION PER CBC TABLE 1806A, UNLESS NOTED OTHERWISE. PASSIVE PRESSURE IS ASSUMED TO START 12" BELOW TOP OF FOOTING.
2. PER CBC SECTION 1803A.2, GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY LIGHT-STEEL FRAME BUILDINGS OF TYPE II CONSTRUCTION AND 4,000 SQUARE FOOT OR LESS IN FLOOR AREA AND NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SEISMIC HAZARD ZONES AS SHOWN ON THE MOST RECENT MAPS PUBLISHED BY THE CGS. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2.
3. FILL AND BACKFILL SHALL BE COMPACTED TO 95% OF MAX. DENSITY IN ACCORDANCE WITH ASTM TEST METHOD D-1557 OR AS RECOMMENDED BY THE GEO-TECH ENGINEER. FLOODING NOT PERMITTED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, ETC. NECESSARY TO SUPPORT CUT AND/OR FILL BANKS DURING EXCAVATION, AND FORMING AND PLACEMENT OF CONCRETE.
5. MINIMUM SETBACK FROM TOE OF SLOPE ON AN ASCENDING SLOPE SHALL BE 15 FEET AND MINIMUM SETBACK FROM TOE OF SLOPE ON A DESCENDING SLOPE SHALL BE 40 FEET
   --FOUNDATION ADJACENT TO SLOPED SURFACES SHALL BE SET BACK PER THE FOLLOWING FIGURE, UNLESS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL REPORT:



6. GEOHAZRD REPORTS ARE TO COMPLY WITH DSA IR A-4 PER IR PC-7 SECTION 1.8
7. SITE SPECIFIC GEOTECHNICAL REPORT IS REQUIRED AT THE TIME OF SITE APPLICATION IF USING OTHER THAN CLASS 5 SOIL, PER DSA IR PC-7
8. LATERAL BEARING HAS BEEN INCREASED PER CBC 1806A.3.4 FOR THE 1/2" DEFLECTION & HAS BEEN DESIGNED FOR P-DELTA EFFECTS. NO 1/3 INCREASE HAS BEEN APPLIED.
9. MINIMUM CLEARANCE BETWEEN PIERS SHALL BE 8'-0".
10. WHEN A GEOTECHNICAL REPORT IS SUPPLIED, THE GEOTECHNICAL ENGINEER SHALL REVIEW THE SITE CONDITIONS AND TESTING RESULTS, AND ALL ALLOWABLE INCREASES AND SUPPLY THE FINAL SOIL CLASS TO BE USED. THE GEOTECHNICAL ENGINEER SHALL PROVIDE IN THE REPORT THE BASE VALUES OF THE DESIGN PROPERTIES LISTED BELOW FOR DRILLED PIERS. THE GEOTECHNICAL ENGINEER SHALL ALSO PROVIDE ANY ALLOWABLE INCREASES TO THE BASE VALUES. ALLOWABLE INCREASES TYPICALLY INCLUDE, BUT ARE NOT LIMITED TO: DOUBLE VALUES DUE TO ISOLATED FOUNDATIONS, DOUBLE VALUES DUE TO THE STRUCTURE NOT BEING ADVERSELY AFFECTED BY 1/2" GROUND MOTION AT THE GROUND SURFACE, ETC. THE GEOTECHNICAL ENGINEER SHALL MAKE RECOMMENDATION OF THE SOIL CLASS TO BE USED AFTER ALL INCREASES HAVE BEEN CONSIDERED. ALL FOUNDATIONS HAVE BEEN DESIGNED BASED ON THE VALUES PRESENTED ON THE COVER SHEET, STEP 7.
    A. ALLOWABLE LATERAL BEARING
    B. ALLOWABLE VERTICAL BEARING
    C. ALLOWABLE SKIN FRICTION
    D. ALLOWABLE SKIN FRICTION (UPLIFT)
11. STRUCTURES HAVE BEEN DESIGNED TO NOT BE ADVERSELY AFFECTED BY 1/2" GROUND MOTION AT THE GROUND SURFACE. ALL PIER FOUNDATIONS SHOWN IN THESE DRAWINGS ARE DESIGNED BASED ON ALLOWABLE BEARING VALUES THAT INDICATE DOUBLING PER CBC 1806A.3.4.
12. THE GEOTECHNICAL ENGINEER SHALL ADDRESS IN THE REPORT ANY CONCRETE DURABILITY REQUIREMENTS IN ACCORDANCE WITH ACI 318-19, CHAPTER 19.

REINFORCING STEEL:

1. REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A-615, AS FOLLOWS:
   GR 60: (#4 BARS AND LARGER)
   GR 40: (#3 BARS)
2. DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS SHALL CONFORM TO THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES. "
3. MIN. COVER FOR CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:
   A. CAST AGAINST EARTH .....3"
   B. CAST AGAINST FORM BELOW GRADE .....2"
   C. FORMED SLABS (#11 BAR & SMALLER).....3/4"
   D. SLABS ON GRADE (FROM TOP OF SLAB).....1"
4. BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND. BENDS SHALL BE MADE COLD.
5. REINFORCING SHALL BE LAP SPLICED PER ACI 318-19, SECTION 25.5.
6. PRIOR TO PLACING OF CONCRETE, REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE WELL SECURED IN POSITION.
7. WELDING OF REINFORCING IS NOT ALLOWED.
8. REINFORCING STEEL SHALL BE INSPECTED PER CBC 1705A.3.

POWDER-COAT FINISH SYSTEM:

ALL BUILDINGS THAT HAVE A POWDER-COATED FINISH SHALL MEET THE FOLLOWING SPECIFICATIONS:

1. THE STEEL FRAME SHALL BE SHOT-BLASTED TO A NEAR WHITE CONDITION PER SSPC-10 SPECIFICATIONS.
2. THE STEEL SHALL BE WASHED IN A ZINC PHOSPHATE IN AN MINIMUM THREE STAGE ELECTRO DEPOSITION PRE-TREATEMENT PROCESS.
3. IMMEDIATELY FOLLOWING PRE-TREATMENT THE STEEL SHALL BE TOTALLY COATED IN AN EPOXY PRIMER TO A UNIFORM THICKNESS OF A MINIMUM OF 0.7 TO 0.9 MILS. THE E-COATING SHALL PROVIDE A MINIMUM OF 1000 HOURS OF SALT SPRAY CORROSION PROTECTION TO THE STEEL.
4. THE STEEL SHALL THEN HAVE A TGIC POLYESTER COLOR COAT APPLIED OVER THE E-COATED SURFACE.
5. THE FINISH THICKNESS OF THESE APPLICATIONS SHALL BE A MINIMUM OF 8 TO 12 MILS.
6. ALL CARBON STEEL MEMBERS (COLUMNS, BEAMS, PLATES, ETC.) NOT POWDER-COATED SHALL BE PAINTED WITH PRIME COAT PER THE "AISC CODE OF STANDARD PRACTICE "AND THE "AISC SPECIFICATION SECTION M3"(UNLESS NOTED OTHERWISE).

CONCRETE:

1. MIX DESIGN REQUIREMENTS: (NORMAL WEIGHT CONCRETE)

STRENGTH Pc (28 DAYS)	W/C RATIO (NON-AIR ENTRAINED)	W/C RATIO (AIR ENTRAINED)	SLUMP (±1")	UNIT WEIGHT (NORMAL WEIGHT)
5000 PSI	0.44	0.35	4"	150 PCF

2. CONCRETE MIX DESIGN PARAMETERS ARE GOOD FOR EXPOSURE CATEGORIES F0, F1 & F2. THE AIR ENTRAINMENT FOR THESE CATEGORIES SHALL BE AS FOLLOWS: F0-0, F1-4.5, F2-6
3. CHANGES TO THE MIX DESIGN MUST BE APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD AND DSA.
4. AGGREGATES SHALL CONFORM TO ASTM C-33. MAX AGGREGATE SIZE = 1".
5. CEMENT SHALL CONFORM TO ASTM C-150 (TYPE V) UNLESS NOTED OTHERWISE ON THE DRAWINGS.
6. CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF FIVE DAYS AFTER PLACEMENT. ALTERNATE METHODS WILL BE APPROVED IF SATISFACTORY PERFORMANCE CAN BE ASSURED.
7. CONCRETE SHALL NOT FREE FALL MORE THAN FIVE FEET.
8. CONCRETE DURABILITY SHALL BE PER CBC 1904A.1 ACI 318-19, CHAPTER 19.
9. CONCRETE SHALL BE TESTED PER CBC 1903A, TABLE 1705A.3. AND ACI 318-19, SECTION 26.12.
10. NO ADMIXTURE SHALL CONTAIN CALCIUM CHLORIDE.

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123290 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 08/07/2024

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

GENERAL NOTES

LS1.1

PRINTED ON :

ICON STD	WALKWAY PC
DRAWN BY	ANGEL
DATE	2/19/2024
REV	
REV DATE	

TKJ STRUCTURAL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER KYLE JOSEPH KEMPF No. 93845 Exp. 6-30-25 STRUCTURAL STATE OF CALIFORNIA

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE
GENERAL NOTES
SHEET NO.
LS1.1

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

General

Application Number: 04-123290
DSA File Number:
School Name: PC ICON Shelter Systems Inc
Increment Number:
School District: PC ICON Shelter Systems Inc
Date Created: 2024-02-28 04:50:51

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required **Periodic –** Indicates that a periodic special inspection is required **Test –** Indicates that a test is required	**GE (Geotechnical Engineer) –** Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. **LOR (Laboratory of Record) –** Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. **PI (Project Inspector) –** Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. **SI (Special Inspection) –** Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

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

Table 1705A.6, Table 1705A.7, Table 1705A.8

Application Number: 04-123290
DSA File Number:
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Date Created: 2024-02-28 04:50:51

Geotechnical Reports: Required for Class 3 and 4 soils (Not required for Class 5 soils)

	S1. GENERAL:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	a. For class 3 and 4 soils, verify that: •Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. •Foundation excavations are extended to proper depth and have reached proper material. •Materials below footings are adequate to achieve the design bearing capacity.	**Periodic**	**GE***	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) form for exemptions.)

	S2. SOIL COMPACTION AND FILL:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Perform classification and testing of fill materials.	**Test**	**LOR***	* Under the supervision of the geotechnical engineer.
☑	**b.** For class 3 of 4 soils or when required by geotechnical report, verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. (Refer to specific items identified in the Appendix (end of this form) form for exemptions where soils SI and testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR's form DSA 291 shall satisfy the soil SI and test reporting requirements for the exempt items.)
☑	**c.** Compaction testing if class 3 or 4 soils are used, or when required by geotechnical report.	**Test**	**LOR***	* Under the supervision of the geotechnical engineer. (Refer to specific items identified in the Appendix (end of this form) for exemptions where soils testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR's form DSA 291 shall satisfy the soil test reporting requirements for the exempt items.)

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

Table 1705A.6, Table 1705A.7, Table 1705A.8

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	S3. DRIVEN DEEP FOUNDATIONS (PILES):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Verify pile materials, sizes and lengths comply with the requirements.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**b.** Determine capacities of test piles and conduct additional load tests as required.	**Test**	**LOR***	* Under the supervision of the geotechnical engineer.
☐	**c.** Inspect driving operations and maintain complete and accurate records for each pile.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**d.** Verify locations of piles and their plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and record any pile damage.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**e.** Steel piles.	Provide tests and inspections per STEEL section below.		
☐	**f.** Concrete piles and concrete filled piles.	Provide tests and inspections per CONCRETE section below.		
☐	**g.** For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.	*	*	* As defined on drawings or specifications.

	S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Note**
☑	**a.** Inspect drilling operations and maintain complete and accurate records for each pier.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)

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

Table 1705A.6, Table 1705A.7, Table 1705A.8

Application Number: 04-123290
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	Test or Special Inspection	**Type**	**Performed By**	**Code References and Note**
☐	**b.** Verify pier locations, diameters, plumbness, bell diameters (if applicable), lengths and embedment into bedrock (if applicable); record concrete or grout volumes.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
☐	**c.** Confirm adequate end strata bearing capacity.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
☑	**d.** Concrete piers.	Provide tests and inspections per CONCRETE section below.		

	S5. RETAINING WALLS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Placement, compaction and inspection of backfill.	**Continuous**	**GE***	**1705A.6.1.** * By geotechnical engineer or his or her qualified representative. (See section S2 above).
☐	**b.** Placement of soil reinforcement and/or drainage devices.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**c.** Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.
☐	**d.** Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.		
☐	**e.** Masonry retaining walls.	Provide tests and inspections per MASONRY section below.		

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

Table 1705A.6, Table 1705A.7, Table 1705A.8

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	S6. OTHER SOILS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Soil Improvements	**Test**	**GE***	Submit a comprehensive report documenting final soil improvements constructed, construction observation and the results of the confirmation testing and analysis to CGS (California Geological Survey) for final acceptance. * By geotechnical engineer or his or her qualified representative.
☐	**b.** Inspection of Soil Improvements	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**c.**			

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

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

Application Number: 04-123290
DSA File Number:
School Name: PC ICON Shelter Systems Inc
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School District: PC ICON Shelter Systems Inc
Date Created: 2024-02-28 04:50:51

	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify use of required design mix.	**Continuous**	**SI**	**Table 1705A.3 Item 5, 1910A.1.**
☑	**b.** Identify, sample, and test reinforcing steel.	**Test**	**LOR**	**1910A.2;** ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	**c.** During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	**Test**	**LOR**	**Table 1705A.3 Item 6**; ACI 318-19 Sections 26.5 & 26.12.
☑	**d.** Test concrete (f'_c).	**Test**	**LOR**	**1905A.1.17;** ACI 318-19 Section 26.12.
☐	**e.** Batch plant inspection:	**See Notes**	**SI**	Default of **'Continuous'** per **1705A.3.3**. If approved by DSA, batch plant inspection may be reduced to **'Periodic'** subject to requirements in Section **1705A.3.3.1,** or not required per **1705A.3.3.2.** See IR 17-13. (See Appendix (end of this form) for exemptions.)
☐	**f.** Welding of reinforcing steel.	Provide special inspection per STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		

	C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Sample and test prestressing tendons and anchorages.	**Test**	**LOR**	**1705A.3.4, 1910A.3**
☐	**b.** Inspect placement of prestressing tendons.	**Periodic**	**SI**	**1705A.3.4, Table 1705A.3 Items 1 & 9.**

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

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

Application Number: 04-123290
DSA File Number:
School Name: PC ICON Shelter Systems Inc
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Date Created: 2024-02-28 04:50:51

	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**c.** Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	**Periodic**	**SI**	**Table 1705A.3 Item 13.** Special inspector to verify specified concrete strength test prior to stressing.
☐	**d.** Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	**Continuous**	**SI**	**1705A.3.4, Table 1705A.3 Item 9;** ACI 318-19 Section 26.13

	C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect fabrication of precast concrete members.	**Continuous**	**SI**	ACI 318-19 Section 26.13, and PCI MNL-128 and -130.
☐	**b.** Inspect erection of precast concrete members.	**Periodic**	**SI***	**Table 1705A.3 Item 10.** * May be performed by PI when specifically approved by DSA.
☐	**c.** For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	**Continuous**	**SI**	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5
☐	**d.** Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	**Periodic**	**SI**	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5

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

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

Application Number: 04-123290
DSA File Number:
School Name: PC ICON Shelter Systems Inc
Increment Number:
School District: PC ICON Shelter Systems Inc
Date Created: 2024-02-28 04:50:51

	C4. SHOTCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect shotcrete placement for proper application techniques.	**Continuous**	**SI**	**1705A.3.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3.** See ACI 506.2-13 Section 3.4, ACI 506R-16.
☐	**b.** Sample and test shotcrete (f'_c).	**Test**	**LOR**	**1908A.2, 1705A.3.9**

	C5. POST-INSTALLED ANCHORS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect installation of post-installed anchors	**See Notes**	**SI***	**1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8** (See Appendix (end of this form) for exemptions). ACI 318-19 Section 26.13. * May be performed by the project inspector when specifically approved by DSA.
☐	**b.** Test post-installed anchors.	**Test**	**LOR**	**1910A.5.** (See Appendix (end of this form) for exemptions.)

	C6. OTHER CONCRETE:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.**			

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

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123290
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	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. •Material sizes, types and grades comply with requirements.	**Periodic**	*	**Table 1705A.2.1 Item 3a–3c.** 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	**b.** Test unidentified materials	**Test**	**LOR**	**2202A.1.**
☑	**c.** Examine seam welds of HSS shapes	**Periodic**	**SI**	DSA IR 17-3.
☑	**d.** Verify and document steel fabrication per DSA-approved construction documents.	**Periodic**	**SI**	Not applicable to cold-formed steel light-frame construction, except for trusses (**1705A.2.4**).
☐	**e.** Buckling restrained braces.	**Test**	**LOR**	Testing and special inspections in accordance with IR 22-4.

	S/A2. HIGH-STRENGTH BOLTS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	**Periodic**	**SI**	**Table 1705A.2.1 Items 1a & 1b, 2202A.1;** AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
☑	**b.** Test high-strength bolts, nuts and washers.	**Test**	**LOR**	**Table 1705A.2.1 Item 1c, 2213A.1**; RCSC 2014 Section 7.2; DSA IR 17-8.
☑	**c.** Bearing-type ("snug tight") connections.	**Periodic**	**SI**	**Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2**; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.
☑	**d.** Pretensioned and slip-critical connections.	*	**SI**	**Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2;** AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. *"Continuous" or "Periodic" depends on the tightening method used.

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

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DRAWN BY | ANGEL
DATE | 2/19/2024
REV |
REV DATE |

STRUCTURAL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER
KYLE J. KRAMER
No. 43845
Exp. 6-30-25
STRUCTURAL
STATE OF CALIFORNIA

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123290 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 08/07/2024

DSA 103

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DISTINCTIVE STEEL SHELTERS
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1455 LINCOLN AVE
HOLLAND MI, 49423
616.396.0919
800.748.0985
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LS1.2

INCREMENT NO. 1

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AGENCY APPROVAL | DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION
8779 Cook Riolo Road,
Roseville, CA 95747

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

DSA 103

SHEET NO.

LS1.2

ONE AND ONE-HALF INCH = ONE FOOT 0 6
ONE INCH = ONE FOOT 0 6
THREE-QUARTERS INCH = ONE FOOT 0 9
ONE-HALF INCH = ONE FOOT 0 12
ONE-QUARTER INCH = ONE FOOT 0 24
ONE-EIGHTH INCH = ONE FOOT 0 48
ONE-SIXTEENTH INCH = ONE FOOT 0 96
ONE INCH = TWENTY FEET 0 20 40 60 80

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

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123290
DSA File Number:
School Name: PC ICON Shelter Systems Inc
Increment Number:
School District: PC ICON Shelter Systems Inc
Date Created: 2024-02-28 04:50:51

	S/A3. WELDING:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	**Periodic**	**SI**	**1705A.2.5, Table 1705A.2.1 Items 4 & 5**; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	b. Verify weld filler material manufacturer's certificate of compliance.	**Periodic**	**SI**	DSA IR 17-3.
☑	**c.** Verify WPS, welder qualifications and equipment.	**Periodic**	**SI**	DSA IR 17-3.

	S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Continuous**	**SI**	**Table 1705A.2.1 Items 5a.1–4;** AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	**Periodic**	**SI**	**1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6;** AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☐	**c.** Inspect welding of stairs and railing systems.	**Periodic**	**SI**	**1705A.2.1**; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
☐	**d.** Verification of reinforcing steel weldability other than ASTM A706.	**Periodic**	**SI**	**1705A.3.1**; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	**e.** Inspect welding of reinforcing steel.	**Continuous**	**SI**	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8;** AWS D1.4; DSA IR 17-3.

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

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

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	S/A8. SPRAYED FIRE-RESISTANT MATERIALS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	**Periodic**	**SI**	**1705A.15, 1705A.15.1, 1705A.15.2, 1705A.15.3, 1705A.15.4, 1705A.15.5, 1705A.15.6.**
☐	**b.** Test density.	**Test**	**LOR**	**1705A.15.1, 1705A.15.5, ASTM E605**
☐	**c.** Bond strength adhesion/cohesion.	**Test**	**LOR**	**1705A.15.1, 1705A.15.6, ASTM E736**

	S/A9. ANCHOR BOLTS AND ANCHOR RODS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Anchor Bolts and Anchor Rods	**Test**	**LOR**	Identify, sample and test anchor bolts and anchor rods **not** meeting exemptions identified in Section 1 of IR 17-11.
☐	**b.** Threaded rod not used for foundation anchorage.	**Test**	**LOR**	Identify, sample and test threaded rods **not** meeting exemptions identified in Section 1 of IR 17-11.

	S/A10. STORAGE RACK SYSTEMS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	**Periodic**	**SI**	Table 1705A.13.7
☐	**b.** Fabricated storage rack elements.	**Periodic**	**SI**	1704A.2.5; Table 1705A.13.7

DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022

Application Number: 04-123290
DSA File Number:
School Name: PC ICON Shelter Systems Inc
Increment Number:
School District: PC ICON Shelter Systems Inc
Date Created: 2024-02-28 04:50:51

1. Soils Testing and Inspection: Geotechnical Verified Report Form DSA 293
2. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
3. Post-installed Anchors: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
4. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
5. Field Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
6. High-Strength Bolt Installation Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

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

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

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	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
	S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):			
☐	**a.** Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Continuous**	**SI**	**Table 1705A.2.1 Items 5a.1–4;** AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	b. Inspect single-pass fillet welds ≤ 5/16".	**Periodic**	**SI**	**Table 1705A.2.1 Item 5a.5;** AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	**c.** Inspect end-welded studs (ASTM A-108) installation (including bend test).	**Periodic**	**SI**	**2213A.2**; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
☐	**d.** Inspect floor and roof deck welds.	**Periodic**	**SI**	**1705A.2.2, Table 1705A.2.1 Item 5a.6;** AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.
☐	**e.** Inspect welding of structural cold-formed steel.	**Periodic**	**SI***	**1705A.2.5; AWS D1.3; DSA IR 17-3.** The quality control provisions of AISI S240-20 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
☐	**f.** Inspect welding of stairs and railing systems.	**Periodic**	**SI***	**1705A.2.1;** AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
☐	**g.** Verification of reinforcing steel weldability.	**Periodic**	**SI**	**1705A.3.1**; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	**h.** Inspect welding of reinforcing steel.	**Continuous**	**SI**	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8;** AWS D1.4; DSA IR 17-3.

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

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

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	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**c.** Storage rack anchorage installation.	**Periodic**	**SI**	ANSI/MH16.1 Section 7.3.2; Table 1705A.13.7
☐	**d.** Completed storage rack system to indicate compliance with the approved construction documents.	**Periodic**	**SI***	Table 1705A.13.7; * May be preformed by the project inspector when specifically approved by DSA.

	S/A11. Other Steel			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.**			

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

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

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	S/A6. NONDESTRUCTIVE TESTING:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Ultrasonic	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	**b.** Magnetic Particle	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	**c.**	**Test**	**LOR**	

	S/A7. STEEL JOISTS AND TRUSSES:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	**Continuous**	**SI**	**1705A.2.3, Table 1705A.2.3;** AWS D1.1; DSA IR 22-3 for steel joists only. **1705A.2.4;** AWS D1.3 for cold-formed steel trusses.

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

Application Number: 04-123290
DSA File Number:
School Name: PC ICON Shelter Systems Inc
Increment Number:
School District: PC ICON Shelter Systems Inc
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	X1. OTHER:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Load test for identified product(s):	**Test**	**LOR**	**1709A.2, 1709A.3.** Testing is not required for: 1) a product with a valid evaluation service report per DSA IR A-5; or 2) a product that can be justified by structural calculation.
☐	**b.** Installation torque for non-HS bolts	**Continuous**	**SI***	Applicable to communication towers identified as Essential Service Facility Projects (ESFP). Calibrated wrench use required, verified by SI during installation. DSA Policy PL 18-01: Communication Towers, Poles and Buildings Utilized by State Agencies for Essential Services Communications.*EXCEPTION: Non-ESFP may use PI without need for notification to DSA.
☐	**c.**			

ICON STD | WALKWAY PC
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DATE | 2/19/2024
REV |
REV DATE |

STRUCTURAL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER
KYLE T. KRAMER
No. 6046
Exp. 6-30-25
STRUCTURAL
STATE OF CALIFORNIA

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123290 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 08/07/2024

DSA 103

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LS1.3

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CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION

8779 Cook Riolo Road,
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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

DSA 103

SHEET NO.

LS1.3

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

INCREMENT NO. 1

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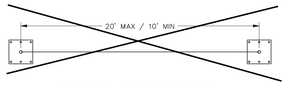
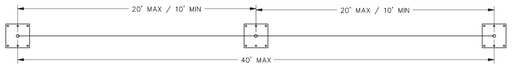
AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL
CAMPUS EXPANSION
8779 Cook Riolo Road,
Roseville, CA 95747

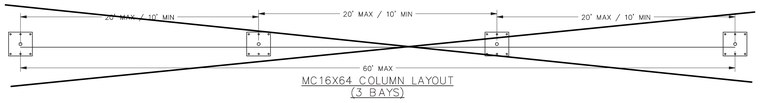
DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT



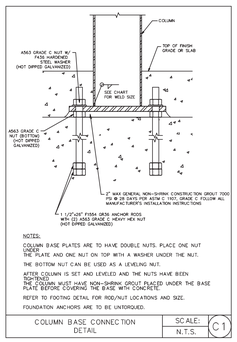
MC16X24 COLUMN LAYOUT
(1 BAY)



MC16X44 COLUMN LAYOUT
(2 BAYS)



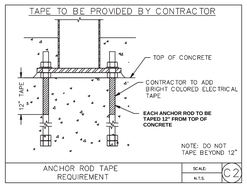
MC16X64 COLUMN LAYOUT
(3 BAYS)



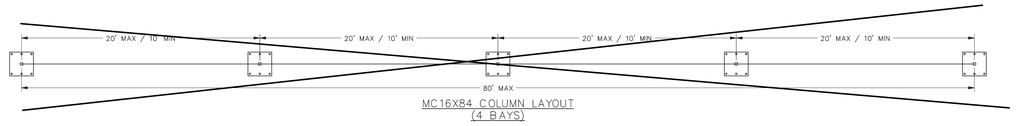
NOTES:
COLUMN BASE PLATES ARE TO HAVE DOUBLE NUTS. PLACE ONE NUT UNDER THE PLATE AND ONE NUT ON TOP WITH A WASHER UNDER THE NUT.
THE BOTTOM NUT CAN BE USED AS A LEVELING NUT.
AFTER COLUMN IS SET AND LEVELED AND THE NUTS HAVE BEEN TIGHTENED, THE COLUMN MUST HAVE NON-SHRINK GROUT PLACED UNDER THE BASE PLATE BEFORE COVERING THE BASE WITH CONCRETE.
REFER TO FOOTING DETAIL FOR ROD/NUT LOCATIONS AND SIZE.
FOUNDATION ANCHORS ARE TO BE UNTORQUED.

COLUMN BASE CONNECTION DETAIL | SCALE: N.T.S. | C1

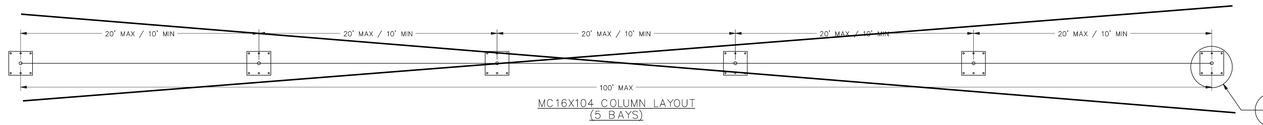
ANCHOR ROD DETAIL
1.HEAT TREATED
2.MAX CARBON CONTENT 27%
3.MAX MANGANESE CONTENT 0.6–0.9%



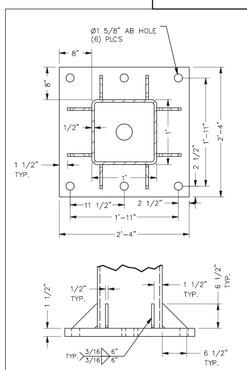
ANCHOR ROD TAPE REQUIREMENT | SCALE: N.T.S. | C2



MC16X84 COLUMN LAYOUT
(4 BAYS)



MC16X104 COLUMN LAYOUT
(5 BAYS)



BASE PLATE DETAIL | BP

NOTES:
WHERE CONCRETE SLAB SPECIFIED PORTLAND CEMENT CONCRETE PAVING SHALL HAVE A MEDIUM SALTED (MEDIUM BROOM) FINISH ON ALL SURFACES SLOPED LESS THAN 6% AND SLIP RESISTANT (HEAVY BROOM FINISH) ON ALL SURFACES SLOPED GREATER THAN 6% CBC SECTION 1133B.7.1

ICON STD	WALKWAY PC
DRAWN BY	ANGEL
DATE	2/19/2024
REV	
REV DATE	

TKJ STRUCTURAL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER KYLE T. JOHNSON No. S6845 Exp. 6-30-25 STRUCTURAL STATE OF CALIFORNIA

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123290 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 08/07/2024

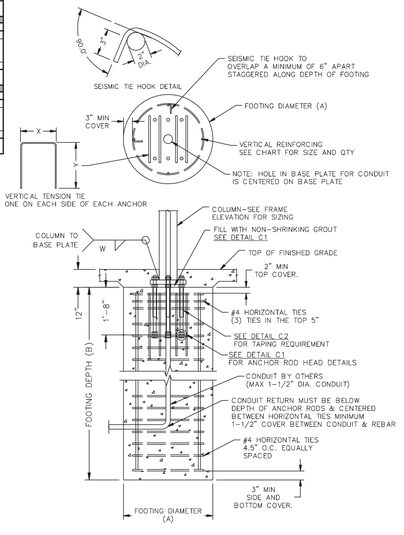
16' WIDE CANTILEVER WALKWAY FOUNDATION PLAN

MC16 - PIER

10' Height				10' Height				10' Height			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size
48	138	16	7	48	120	16	7	48	108	16	7
10' Eave - 1500 psf [ ]				**10' Eave - 2000 psf [ ]**				**10' Eave - 3000 psf [ ]**			
12' Height				12' Height				12' Height			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size
48	138	16	7	48	120	16	7	48	108	16	7
12' Eave - 1500 psf [ ]				**12' Eave - 2000 psf [X]**				**12' Eave - 3000 psf [ ]**			
16' Height				16' Height				16' Height			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size	Dia (A) (in)	Depth (B) (in)	Vertical Rebar Qty	Rebar Size
48	144	16	7	48	126	16	7	48	114	16	7
16' Eave - 1500 psf [ ]				**16' Eave - 2000 psf [ ]**				**16' Eave - 3000 psf [ ]**			

10' Height			
Rebar Dimensions			Weld
X (in)	Y (in)	Rebar Size	Fillet Weld "W"
24	47	6	3/8
10' Eave - Rebar & Weld			
12' Height			
Rebar Dimensions			Weld
X (in)	Y (in)	Rebar Size	Fillet Weld "W"
24	47	6	3/8
12' Eave - Rebar & Weld			
16' Height			
Rebar Dimensions			Weld
X (in)	Y (in)	Rebar Size	Fillet Weld "W"
24	47	6	3/8
16' Eave - Rebar & Weld			

SEE BASE PLATE DETAIL FOR CORRECT ANCHOR LAYOUT

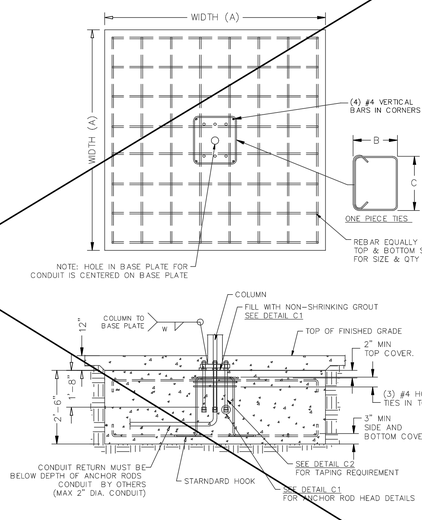


MC16 - SPREAD

10' Height				10' Height				10' Height			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size
102	30	16	5	102	30	16	5	102	30	16	5
10' Eave - 1500 psf [ ]				**10' Eave - 2000 psf [ ]**				**10' Eave - 3000 psf [ ]**			
12' Height				12' Height				12' Height			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size
105	30	16	5	105	30	16	5	105	30	16	5
12' height - Side Columns				**12' height - Side Columns**				**12' height - Side Columns**			
12' Eave - 1500 psf [ ]				**12' Eave - 2000 psf [ ]**				**12' Eave - 3000 psf [ ]**			
16' Height				16' Height				16' Height			
Soil Class 5 - 1500 psf Bearing				Soil Class 4 - 2000 psf Bearing				Soil Class 3 - 3000 psf Bearing			
Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size	Size (A) (in)	Depth (in)	T&B Rebar Qty	Rebar Size
105	30	16	5	105	30	16	5	105	30	16	5
16' Eave - 1500 psf [ ]				**16' Eave - 2000 psf [ ]**				**16' Eave - 3000 psf [ ]**			

10' Height			
Tie Dimensions			Weld
B (in)	C (in)	Rebar Size	Fillet Weld "W"
31	31	5	3/8
10' Eave - Rebar & Weld			
12' Height			
Tie Dimensions			Weld
B (in)	C (in)	Rebar Size	Fillet Weld "W"
31	31	5	3/8
10' - Corner Columns			
12' Eave - Rebar & Weld			
16' Height			
Tie Dimensions			Weld
B (in)	C (in)	Rebar Size	Fillet Weld "W"
31	31	5	3/8
16' Eave - Rebar & Weld			

SEE BASE PLATE DETAIL FOR CORRECT ANCHOR LAYOUT



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

16' WIDE CANTILEVER WALKWAY FOUNDATION PLAN

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DISTINCTIVE STEEL SHELTERS
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LS3.0

S:\Engineering\Inventor\USA 2022\PC 2022 WALKWAY\16 FOOT\MC16X44-10W-P1.idw

PRINTED ON :

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000
ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

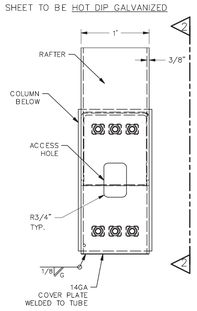
DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

16' WIDE CANTILEVER WALKWAY FOUNDATION PLAN

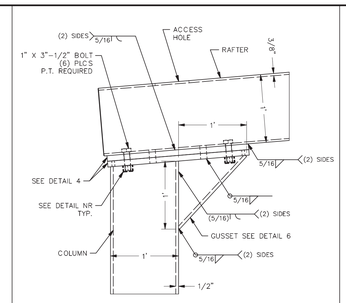
SHEET NO.

LS3.0

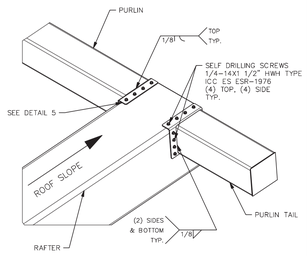
ALL STRUCTURAL FASTENERS (NUTS & BOLTS) ON THIS SHEET TO BE HOT DIP GALVANIZED



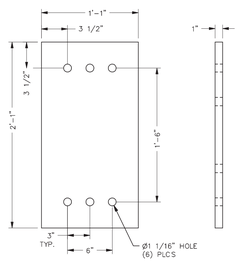
PLAN – RAFTER CONNECTION @ COLUMN | 1



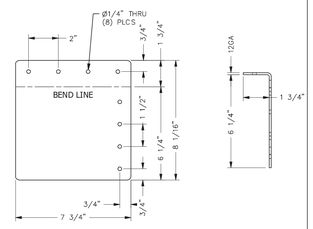
VIEW – RAFTER CONNECTION @ COLUMN | 2



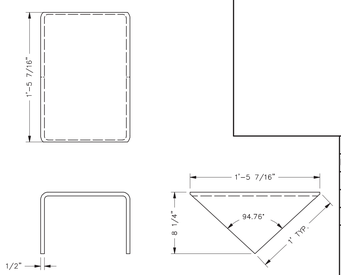
ISOMETRIC – PURLIN CONNECTION @ RAFTER | 3



COLUMN TO RAFTER PLATE DETAIL | 4

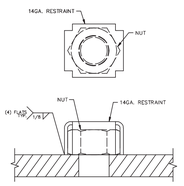


PURLIN PLATE DETAIL | 5



GUSSET DETAIL | 6

16' WIDE CANTILEVER WALKWAY FRAMING & CONNECTION DETAILS



TYPICAL NUT RESTRAINT SYSTEM | NA

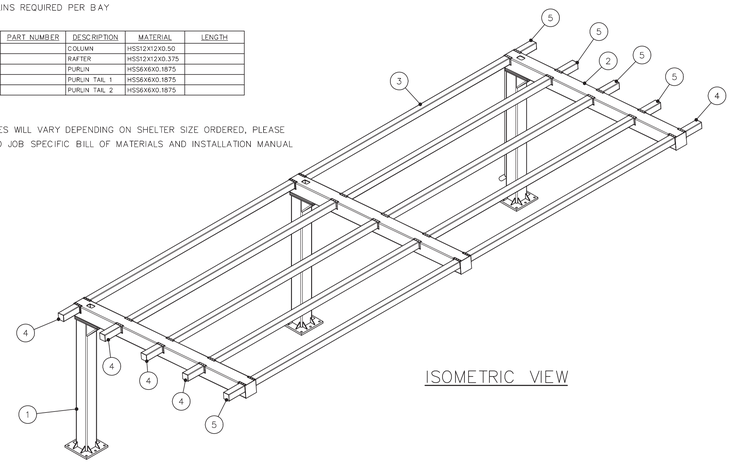
**IF MULTI RIB ROOFING IS SELECTED ONLY (4) PURLINS ARE REQUIRED PER BAY

**IF MEGA RIB ROOFING IS SELECTED ONLY (4) PURLINS ARE REQUIRED PER BAY

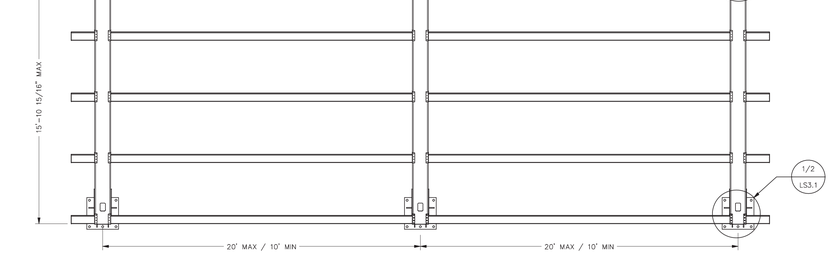
**IF STANDING SEAM ROOFING IS SELECTED ADDITIONAL PURLINS ARE REQUIRED (5) PURLINS REQUIRED PER BAY

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	LENGTH
1	*		COLUMN	HSS12X12X0.50	
2	*		RAFTER	HSS12X12X0.375	
3	*		PURLIN	HSS6X6X0.1875	
4	5		PURLIN TAIL 1	HSS6X6X0.1875	
5	5		PURLIN TAIL 2	HSS6X6X0.1875	

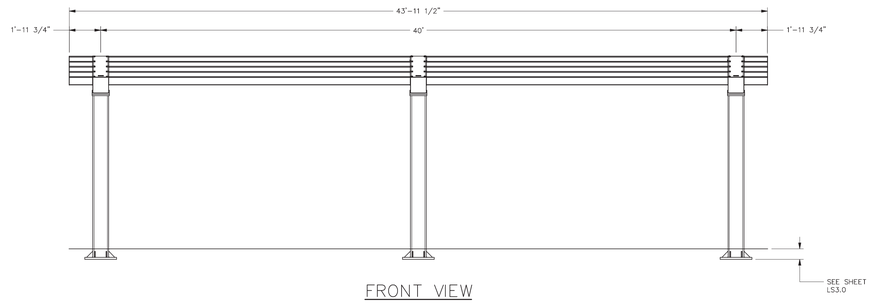
*NOTE:
QUANTITIES WILL VARY DEPENDING ON SHELTER SIZE ORDERED, PLEASE REFER TO JOB SPECIFIC BILL OF MATERIALS AND INSTALLATION MANUAL



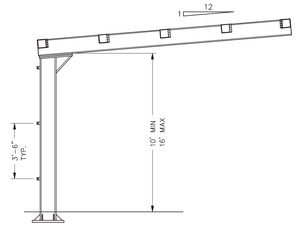
ISOMETRIC VIEW



PLAN VIEW



FRONT VIEW



SIDE VIEW

MODEL DESIGNATION	
MC16X24	1 BAY
MC16X44	2 BAY
MC16X64	3 BAY
MC16X84	4 BAY
MC16X104	5 BAY

MODEL SHOWS 2 BAY SHELTER (MC16X44)
PLEASE REFER TO ANCHOR BOLT LAYOUT SHEET FOR CORRECT COLUMN PLACEMENT BASED ON SIZE ORDERED

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123290 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 08/07/2024

ICON STD	WALKWAY PC
DRAWN BY	ANGEL
DATE	2/19/2024
REV	
REV DATE	

TKJ STRUCTURAL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER KYLE T. JOHNSON No. 6845 Exp. 6-30-25 STRUCTURAL STATE OF CALIFORNIA

16' WIDE CANTILEVER WALKWAY FRAMING & CONNECTION DETAILS

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DISTINCTIVE STEEL SHELTERS
WWW.ICONSHELTERS.COM
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PRINTED ON :

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL CAMPUS EXPANSION
8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

16' WIDE CANTILEVER FRAMING & CONNECTION DETAILS

SHEET NO.

LS3.1

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-EIGHTHS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT

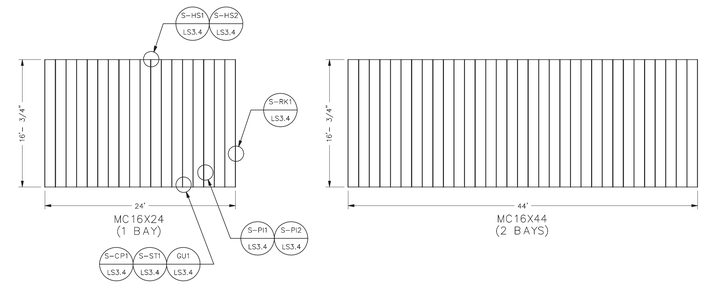
ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

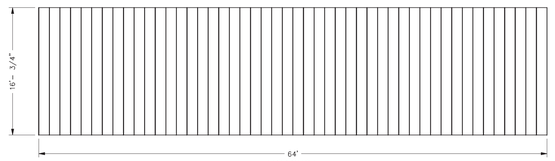
INCREMENT NO. 1

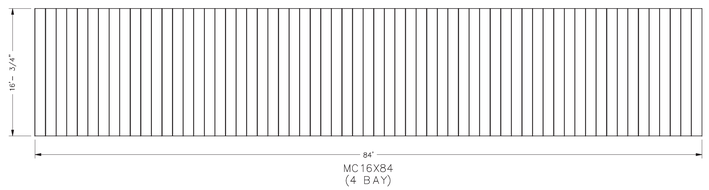
BID SET

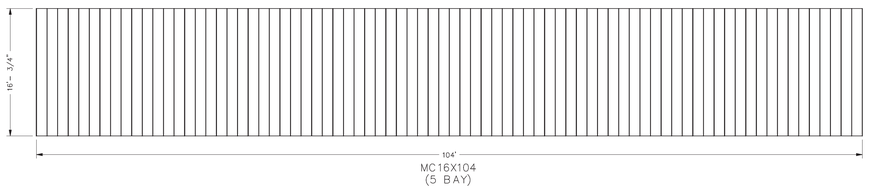
AGENCY APPROVAL DSA APP NO. 02-123892

NOTE: DETAILS TYPICAL FOR ALL LAYOUTS

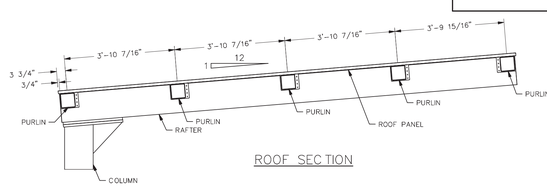








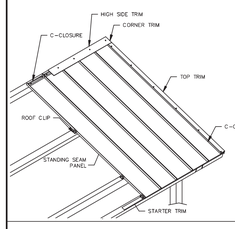
INSTALLER TO FIELD CUT ALL ROOF PANELS



ROOF SECTION

16' WIDE CANTILEVER WALKWAY STANDING SEAM ROOFING

STANDING SEAM ROOF INSTALLATION — ROOF

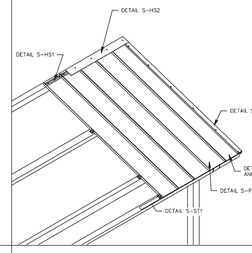


ORDER OF INSTALLATION — TRIM

THESE DETAILS ASSUME THAT ALL COMPONENTS OF THIS ROOF SYSTEM WILL BE INSTALLED PLUMB AND SQUARE. CAULK AND TRIM SHOULD ALSO BE INSTALLED TO INSURE WATER TIGHTNESS

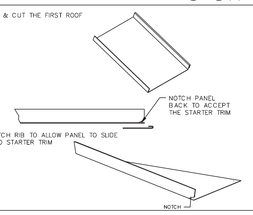
READ ALL DETAILS IN THIS INSTALLATION MANUAL BEFORE STARTING

S-ST1 STARTER TRIM
S-CP1 ROOF PANEL PREPARATION
S-PI1 FIRST ROOF PANEL
S-PI2 SECOND ROOF PANEL
S-RK1 TOP TRIM & C-CLOSURE @ RAKE
S-HS1 C-CLOSURE @ HIGH SIDE
S-HS2 HIGH SIDE TRIM



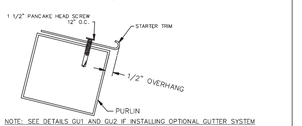
FIELD CUTTING ROOF PANELS — S-CP1

MEASURE, MARK & CUT THE FIRST ROOF PANEL



STARTER INSTALLATION — S-ST1

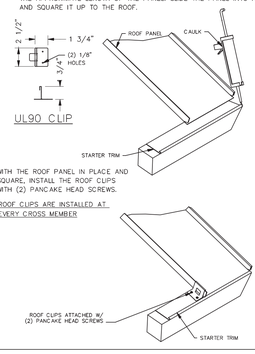
INSTALL STARTER TRIM OVERHANGING THE EDGE OF THE EAVE PURLIN 1/2". ATTACH STARTER TRIM WITH 1 1/2" PANCAKE HEAD SCREWS 12" O.C.



NOTE: SEE DETAILS GU1 AND GU2 IF INSTALLING OPTIONAL GUTTER SYSTEM

INSTALLATION OF FIRST ROOF PANEL — S-PI1

AFTER THE ROOF PANEL HAS BEEN CUT TO SIZE (IF NECESSARY) AND NOTCHED, TEST FIT THE PANEL. THEN APPLY A 1/4" BEAD OF CAULK THE APPROXIMATE LENGTH OF THE PANEL. SLIDE THE PANEL INTO PLACE, AND SQUARE IT UP TO THE ROOF.

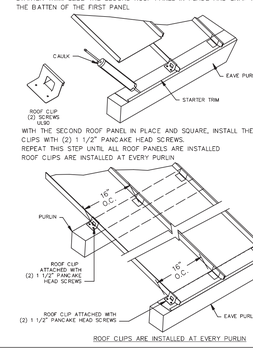


WITH THE ROOF PANEL IN PLACE AND SQUARE, INSTALL THE ROOF CLIPS WITH (2) PANCAKE HEAD SCREWS.

ROOF CLIPS ARE INSTALLED AT EVERY CROSS MEMBER

INSTALLATION OF SECOND ROOF PANEL — S-PI2

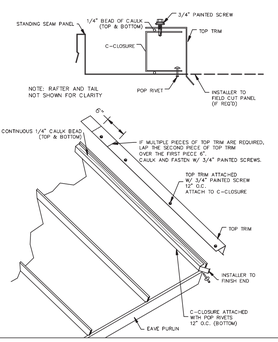
AFTER THE SECOND ROOF PANEL HAS BEEN CUT TO LENGTH (IF NECESSARY) AND NOTCHED, TEST FIT PANEL. THEN APPLY A BEAD OF CAULK INSIDE THE STARTER TRIM. SLIDE THE SECOND ROOF PANEL IN PLACE AND SNAP IT OVER THE BATTEN OF THE FIRST PANEL.



WITH THE SECOND ROOF PANEL IN PLACE AND SQUARE, INSTALL THE ROOF CLIPS WITH (2) 1 1/2" PANCAKE HEAD SCREWS.
REPEAT THIS STEP UNTIL ALL ROOF PANELS ARE INSTALLED
ROOF CLIPS ARE INSTALLED AT EVERY PURLIN

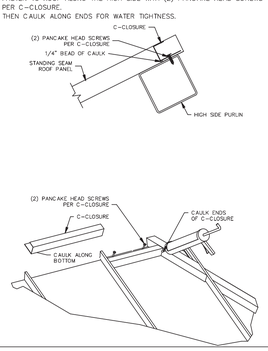
ROOF CLIPS ARE INSTALLED AT EVERY PURLIN

TOP TRIM INSTALLATION @ RAKE — S-RK1



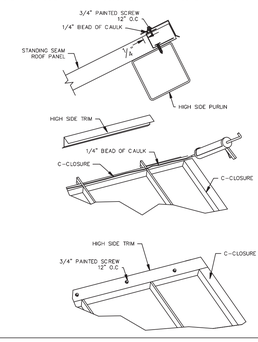
C-CLOSURE AT HIGH SIDE INSTALLATION — S-HS1

MEASURE AND CUT C-CLOSURE TO LENGTH.
APPLY 1/4" BEAD OF CAULK TO BOTTOM OF C-CLOSURE.
FASTEN TO ROOF ALONG THE HIGH SIDE WITH (2) PANCAKE HEAD SCREWS PER C-CLOSURE.
THEN CAULK ALONG ENDS FOR WATER TIGHTNESS.

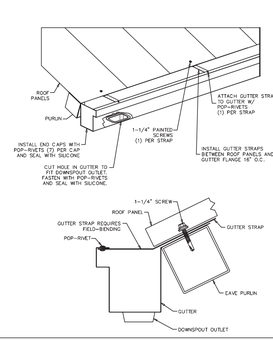


HIGH SIDE TRIM INSTALLATION @ HIGH SIDE — S-HS2

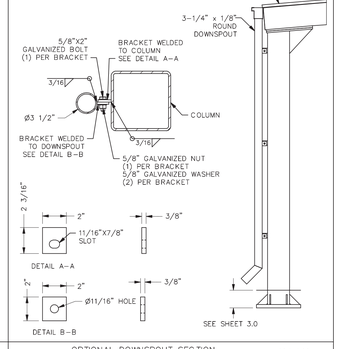
MEASURE AND CUT THE HIGH SIDE TRIM TO LENGTH.
APPLY 1/4" BEAD OF CAULK TO TOP OF C-CLOSURE.
FASTEN HIGH SIDE TRIM TO C-CLOSURES WITH 3/4" SCREWS 12" O.C.



OPTIONAL GUTTER INSTALLATION STANDING SEAM ROOF — GU1



OPTIONAL DOWNSPOUT SECTION STANDING SEAM ROOF — GU2

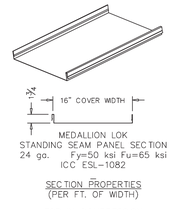


ROOF NOTES

CLASS A ROOFING

ATTENTION INSTALLERS:
METAL SHAVINGS LEFT ON ROOF WILL QUICKLY RUST AND STAIN THE ROOF FINISH!

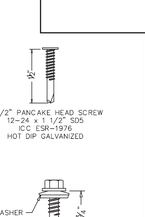
DRILLING OR INSTALLING ROOF FASTENERS WILL CAUSE METAL SHAVINGS. THESE SHAVINGS MUST BE CAREFULLY REMOVED AT THE END OF EACH DAY BY EITHER SWEEPING OR BRUSHING THE INSTALLED ROOF.



SECTION PROPERTIES
(PER FT. OF WIDTH)

TOP IN COMPRESSION
Ix=0.0848 in^4
Se=0.0565 in^3
Ma=1.4115 in-kips

BOTTOM IN COMPRESSION
Ix=0.0390 in^4
Se=0.0476 in^3
Ma=1.0305 in-kips



INSTALLED CORRECTLY	INSTALLED TOO TIGHT	INSTALLED TOO LOOSE
THE SEALING MATERIAL SLIGHTLY VISIBLE AROUND THE METAL WASHER	THE SEALING MATERIAL IS DEFORMED BEYOND THE EDGE OF THE METAL WASHER	THE SEALING MATERIAL IS NOT VISIBLE AROUND THE EDGE OF THE METAL WASHER

THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL INSTALLATION INSTRUCTION MATERIAL BEFORE STARTING WORK.

THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK.

ERECTORS SHALL BE RESPONSIBLE TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.

FOR THE BEST APPEARANCE ALL TRIM AND FLASHING SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ALL EXPOSED FASTENERS EQUALLY SPACED.

SOME FIELD CUTTING AND/OR FITTING OF PANELS, TRIM AND FLASHING IS TO BE EXPECTED BY THE ERECTOR. MINOR FIELD CORRECTIONS ARE PART OF NORMAL ERECTION WORK.

THE INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN AND WORKMANSHIP SHALL MEET THE BEST INDUSTRY STANDARDS.

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

ICON STD	WALKWAY PC
DRAWN BY	ANGEL
DATE	2/19/2024
REV	
REV DATE	

TK STRUCTURAL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER — KYLE KIRKPATRICK — No. 33845 — Exp. 6-30-25 — STRUCTURAL — STATE OF CALIFORNIA

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123290 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 08/07/2024

CREEKVIEW RANCH SCHOOL
CAMPUS EXPANSION
8779 Cook Riolo Road,
Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

16' WIDE CANTILEVER WALKWAY
STANDING SEAM ROOFING PLAN

CONSULTANT
nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000

ARCHITECT

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DISTINCTIVE STEEL SHELTERS
WWW.ICONSHELTERS.COM
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1455 LINCOLN AVE
HOLLAND MI, 49423
616.396.0919
800.748.0985
616.396.0944 FX

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026
JOB NO.: Y2514.00
SHEET TITLE

16' WIDE CANTILEVER WALKWAY STANDING SEAM ROOFING PLAN

SHEET NO.

LS3.4

S:\Engineering\Inventor\USA 2022\PC 2022 WALKWAY\DOWNSPOUT TAB-COLUMN.ipt

PRINTED ON :

ELECTRICAL INFORMATION - RECTANGULAR GABLE

ICON'S STANDARD ELECTRICAL IS DESIGNED TO ACCOMMODATE Ø1/2" CONDUIT WITH A Ø3" INLET HOLE ON THE BOTTOM OF EACH COLUMN. THE CONDUIT PATHWAY RUNS THROUGH THE COLUMN, RAFTER, AND RIDGE BEAM THROUGH ALL BOLTED CONNECTIONS AS SHOWN. IF YOU HAVE SPECIAL ELECTRICAL REQUIREMENTS, PLEASE OUTLINE ANY CHANGES BELOW AS DESCRIBED.

PLEASE NOTE: DESIGN LIMITATIONS ON HOLE/CUTOUT SIZES MAY APPLY. ICON WILL REACH OUT TO DISCUSS ANY SUCH LIMITATIONS AS NEEDED.

NOTE: ICON SHELTER FRAME IS NOT UL LISTED TO ACT AS A CONDUIT FOR ELECTRICAL WIRING. CONSULT LOCAL BUILDING CODES WHEN PLANNING YOUR ELECTRICAL SYSTEM.

STEPS:

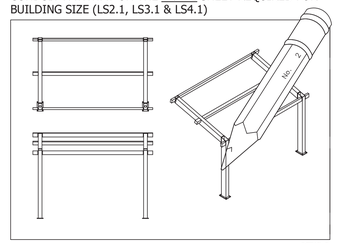
1. CONDUIT HOLE SIZE (DETAIL A)

2. ELECTRICAL EXIT HOLES (DETAIL B)

3. ELECTRICAL ACCESS & COVER PLATES (DETAIL C)

4. ELECTRICAL CONDUIT PATHWAY (DETAIL D)

☐ IF REQUIRED, PLEASE DRAW THE NECESSARY ELECTRICAL CONDUIT PATHWAY ON THE FRAME SHEET REQUIRED FOR BUILDING SIZE (LS2.1, LS3.1 & LS4.1)

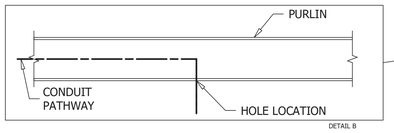


DETAIL D

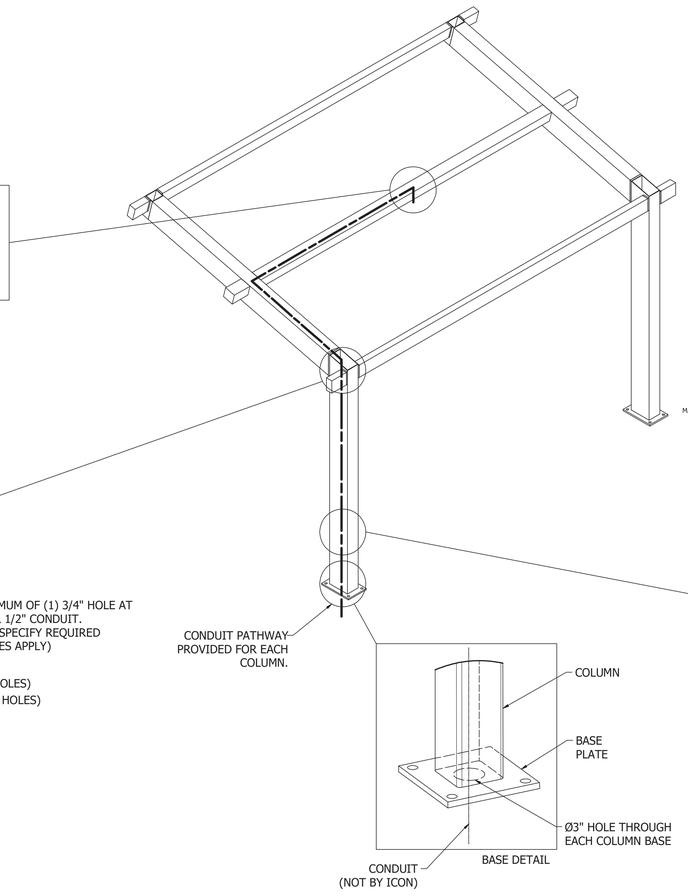
OPTIONAL EXIT HOLES

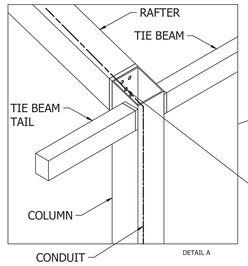
IF REQUIRED, EXIT HOLES FOR LIGHTING, ETC. CAN BE PLACED IN THE RIDGE BEAM AND/OR CONNECTOR TUBE WITH 14ga COVER PLATE AS SHOWN (CHARGES APPLY) USE FRAME SHEET OF THIS PRELIMINARY TO SPECIFY REQUIRED EXIT HOLE LOCATIONS AND SIZES.

(2) EXIT HOLES PER RAFTER
(2) EXIT HOLES PER PURLIN



DETAIL B





DETAIL A

ICON PROVIDES A MINIMUM OF (1) 3/4" HOLE AT EACH CONNECTION FOR 1/2" CONDUIT. IF APPLICABLE, PLEASE SPECIFY REQUIRED CONDUIT SIZE: (CHARGES APPLY)

☐ 3/4" CONDUIT (1" HOLES)
☐ 1" CONDUIT (1 1/4" HOLES)

CONDUIT PATHWAY PROVIDED FOR EACH COLUMN.

BASE DETAIL

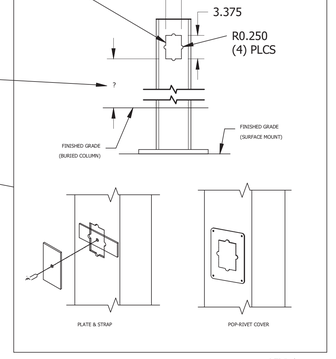
OPTIONAL CUTOUTS

USE FRAME SHEET OF THIS PRELIMINARY TO SPECIFY REQUIRED CUTOUT LOCATIONS (CHARGES APPLY) SEE REQUIRED INFO BELOW

☐ (1) STANDARD CUTOUT SIZE SHOWN FOR TYPICAL GFCI
MAXIMUM CUT OUT SIZE 6 VERTICAL X 4 WIDE
CENTERED ON FACE OF COLUMN
NOT ALLOWED IN 6" FACE

☐ (2) CUTOUTS WILL BE ON INSIDE FACE OF COLUMN UNLESS OTHERWISE INDICATED ON FRAME SHEET.

☐ (3) SPECIFY HEIGHT ABOVE FINISHED GRADE FOR EACH CUTOUT AS SHOWN
18" MIN. FROM TOP OF FINISHED GRADE



DETAIL C

(4) COVER PLATES PROVIDED UPON REQUEST (CHARGES APPLY)
PLEASE SPECIFY TYPE AND QUANTITY REQUIRED:

☐ PLATE & STRAP
☐ POP-RIVET COVER PLATE
HOW MANY REQUIRED?_____

NOTE: BUILDING DEPICTED ON THIS SHEET FOR ILLUSTRATION PURPOSES ONLY. ACTUAL LAYOUT AND FRAME MEMBER QUANTITIES VARY BY DESIGN. PLEASE REFER TO ELEVATION AND FRAME SHEETS IN THIS PC FOR ORDER-SPECIFIC CONFIGURATION.

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

ICON STD	WALKWAY PC
DRAWN BY	ANGEL
DATE	2/19/2024
REV	
REV DATE	

STRUCTURAL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER KYLE J. KOSTER No. 43845 Exp. 6-30-25 STRUCTURAL STATE OF CALIFORNIA

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123290 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 08/07/2024

OPTIONAL ELECTRICAL ACCESS

ICON Shelter Systems Inc

DISTINCTIVE STEEL SHELTERS
WWW.ICONSHELTERS.COM

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HOLLAND MI, 49423

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LS5.0

PRINTED ON :

INCREMENT NO. 1

BID SET

AGENCY APPROVAL DSA APP NO. 02-123892

CREEKVIEW RANCH SCHOOL
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Roseville, CA 95747

DRY CREEK JOINT ELEMENTARY SCHOOL DISTRICT

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600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 06/25/2026

JOB NO.: Y2514.00

SHEET TITLE

OPTIONAL ELECTRICAL ACCESS

SHEET NO.

LS5.0

ONE INCH = TWENTY FEET
ONE-SIXTEENTH INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
THREE-EIGHTHS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE-HALF INCH = ONE FOOT