FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION - DSA BULLETIN 24-05

REQUIREMENTS

1. SECTION 3302.3 OF THE CALIFORNIA BUILDING CODE (CBC) DIRECTS COMPLIANCE WITH CHAPTER 33 OF THE CALIFORNIA FIRE CODE (CFC). CHAPTER 33 OF THE CFC OUTLINES REQUIREMENTS FOR SITE SAFETY DURING CONSTRUCTION AND DEMOLITION AND DIRECTS THAT THE PROPERTY OWNER OR THEIR AUTHORIZED AGENT IS RESPONSIBLE FOR THE DEVELOPMENT AND IMPLEMENTATION OF A WRITTEN SITE SAFETY PLAN ESTABLISHING A FIRE PREVENTION PROGRAM AT THE PROJECT SITE.
2. THE SCHOOL DISTRICT, IN COLLABORATION WITH THE PROJECT CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AN SSP ADDRESSING THE REQUIREMENTS OF CFC CHAPTER 33. AS FIRST RESPONDERS, DSA RECOMMENDS THAT DEVELOPMENT OF THE SSP BE IN CONSULTATION AND COORDINATION WITH THE LOCAL FIRE AUTHORITY.
3. BEGINNING FEBRUARY 1, 2025, A COMPLETED SITE SAFETY PLAN (SSP) IS TO BE SUBMITTED TO DSA IN CONJUNCTION WITH THE INITIAL FILING OF FORM DSA 102-IC: CONSTRUCTION START NOTICE/INSPECTION CARD REQUEST, INCLUSIVE OF COMPLETING SECTION 3 OF THE FORM. FAILURE TO INCLUDE THE SSP WILL RESULT IN REJECTION OF THE DSA FORM 102-IC.
   3.1 STOCKPILE PROJECTS AND SIMILAR FACTORY-BUILT CONSTRUCTION PROJECTS DO NOT REQUIRE A SITE SAFETY PLAN BE SUBMITTED. FOR PROJECTS THAT INCLUDE THE CONSTRUCTION AND PLACEMENT OF THESE FACTORY-BUILT BUILDINGS ON A SITE, THE SITE SAFETY PLAN NEEDS NOT ACCOMPANY THE DSA 102 IC FORM WHEN ONLY SEEKING IN-PLANT INSPECTION CARDS.
4. THE SSP IS TO BE A SINGLE PDF (SEPARATE FROM THE INITIAL DSA 102-IC) WITH A FILE NAME FORMATTED AS ORIGIN ID-APP #_SITE SAFETY PLAN_SUBMISSION DATE (I.E., YY-MM-DD).
5. DSA WILL RECEIVE AND FILE THE FIRE SAFETY PLAN IN THE PROJECT FILE.

SITE SAFETY PLAN COMPONENTS

AT A MINIMUM, THE SSP SHALL INCLUDE THE FOLLOWING INFORMATION REQUIRED IN CFC SECTION 3303.1.1.

1. NAME AND CONTACT INFORMATION OF SITE SAFETY DIRECTOR.
2. DOCUMENTATION OF TRAINING OF THE SITE SAFETY DIRECTOR AND FIRE WATCH PERSONNEL.
3. PROCEDURES FOR REPORTING EMERGENCIES.
4. FIRE DEPARTMENT VEHICLE ACCESS ROUTES.
5. LOCATIONS OF FIRE PROTECTION EQUIPMENT, INCLUDING PORTABLE FIRE EXTINGUISHERS, STANDPIPES, FIRE DEPARTMENT CONNECTIONS AND FIRE HYDRANTS.
6. SMOKING AND COOKING POLICIES, DESIGNATED AREA TO BE USED WHERE APPROVED, AND SIGNAGE LOCATIONS IN ACCORDANCE WITH CFC SECTION 3305.8.
7. LOCATION AND SAFETY CONSIDERATIONS FOR TEMPORARY HEATING EQUIPMENT.
8. HOT WORK (WELDING, ROOFING, ETC.) PLAN.
9. PLANS FOR CONTROL OF COMBUSTIBLE WASTE.
10. LOCATIONS AND METHODS FOR STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS AND OTHER HAZARDOUS MATERIALS.
11. PROVISIONS FOR SITE SECURITY.
12. CHANGES THAT AFFECT THIS PLAN.
13. OTHER SITE- SPECIFIC INFORMATION REQUESTED BY THE LOCAL FIRE AUTHORITY (LFA).

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

BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT

RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

DSA BACKCHECK

PROJECT INFORMATION

PROJECT NAME:	RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION
ADDRESS:	RANCHO DEL REY MIDDLE SCHOOL 1174 E. J STREET CHULA VISTA, CA 91910
APN:	640-090-20-00
LEGAL DESCRIPTION:	TR 13176 LOT 12
TOTAL LOT AREA:	26.07 ACRES
NUMBER OF STORIES:	1
YEAR STRUCTURE(S) BUILT:	1996
FIRE ALARM SYSTEM:	YES
AUTOMATIC FIRE SPRINKLERS:	NO
ZONING DISTRICT:	PC3OS2
FLOOD ZONE:	X (MAP 06073C1919G, EFFECTIVE 05/16/2012)
CLIMATE ZONE:	7
TYPE OF CONSTRUCTION:	VB NOT SPRINKLERED
BUILDING USE:	CLASSROOMS
OCCUPANCY:	**E** - EDUCATION
BUILDING HEIGHT:	VARIES
GROSS AREA OF WORK:	**7.8 ACRES**
OCCUPANT LOAD:	4,457 OCCUPANTS

EXISTING STRUCTURE AREAS

		BUILDING	COVERED WALKWAY
BUILDING 100	ADMINISTRATION	8,773 SF	2,876 SF
BUILDING 150	MEDIA CENTER	12,632 SF	1,520 SF
BUILDING 200	INSTRUCTIONAL	7,358 SF	1,823 SF
BUILDING 300	INSTRUCTIONAL	11,218 SF	3,058 SF
BUILDING 400	INSTRUCTIONAL	11,297 SF	3,031 SF
BUILDING 500	INSTRUCTIONAL	9,374 SF	2,206 SF
BUILDING 600	INSTRUCTIONAL	7,323 SF	1,933 SF
BUILDING 700	INSTRUCTIONAL	9,548 SF	2,514 SF
BUILDING 800	INSTRUCTIONAL	11,367 SF	2,611 SF
BUILDING 900	MULTIPURPOSE	20,886 SF	11,966 SF
BUILDING 1000	PHYSICAL EDUCATION	12,042 SF	975 SF
	TOTAL	121,798 SF	34,513 SF

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS MOSHER DREW

1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED ARCHITECT EDWARD M HOLAKIEWICZ NO. C 31100 REN 06-30-27 STATE OF CALIFORNIA

ARCHITECT / CONSULTANT STAMP

CONSULTANT LOGO

CLIENT LOGO

SWEETWATER UNION HIGH SCHOOL DISTRICT

PROJECT DIRECTORY

OWNER:

SWEETWATER UNION HIGH SCHOOL DISTRICT
1130 FIFTH AVENUE
CHULA VISTA, CA 91911
PHONE: 619.407.4928
CONTACT NAME: BRIAN INGSTAD
EMAIL: BRIAN.INGSTAD@SWEETWATERSCHOOLS.ORG

ARCHITECT:

ARCHITECTS MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CA 92110
PHONE: 619.223.2400
CONTACT NAME: ALAHE ALDO
EMAIL: ALAHEA@MOSHERDREW.COM

CIVIL ENGINEER:

NASLAND ENGINEERING
4740 RUFFNER STREET
SAN DIEGO, CA 92111
PHONE: 858.292.7770
CONTACT NAME: DANIEL QUINONES
EMAIL: DANIELQ@NASLAND.COM

LANDSCAPE ARCHITECT:

MCCULLOUGH LANDSCAPE ARCHITECTURE
3605-B FIFTH AVENUE
SAN DIEGO, CA 92103
PHONE: 619.296.3150
CONTACT NAME: DAVID MCCULLOUGH
EMAIL: DAVID@MCCULLOUGHLA.COM

STRUCTURAL ENGINEER:

MIYAMOTO
5550 BALTIMORE DRIVE, SUITE 100
LA MESA, CA 91942
PHONE: 619.687.3810
CONTACT NAME: BILL SCHELL
EMAIL: BSCHELL@MIYAMOTOINTERNATIONAL.COM

MECHANICAL/PLUMBING ENGINEER:

MA ENGINEERS
5160 CARROLL CANYON ROAD, SUITE 200
SAN DIEGO, CA 92121
PHONE: 858.200.0030
CONTACT NAME: BENNY SY (MECHANICAL)
EMAIL: BSY@MA-ENGR.COM
CONTACT NAME: RICHARD HERNANDEZ (PLUMBING)
EMAIL: RHERNANDEZ@MA-ENGR.COM

ELECTRICAL/ FIRE ALARM ENG.:

MA ENGINEERS
5160 CARROLL CANYON ROAD, SUITE 200
SAN DIEGO, CA 92121
PHONE: 858.200.0030
CONTACT NAME: RAY THOMPSON
EMAIL: RTHOMPSON@MA-ENGR.COM

COST ESTIMATOR:

O'CONNOR CONSTRUCTION MANAGEMENT, INC.
2550 FIFTH AVENUE, SUITE 720
SAN DIEGO, CA 92103
PHONE: 619.291.4600
CONTACT NAME: MICHAEL MEJIA
EMAIL: MMEJIA@OCMI.COM

Autodesk Docs://Rancho del Rey MS - Building & Site Rehabilitation/RDRMS_REHABILITATION_SITE_A24.rvt

PROJECT DESCRIPTION

THE SCOPE OF THIS PROJECT ENCOMPASSES ALTERATIONS TO THE SCHOOL SITE AND THE EXISTING BUILDINGS WITHIN THE CAMPUS AS SUMMARIZED BELOW.

1. **ALTERATION OF CAMPUS INFRASTRUCTURE / SCHOOL SITE:**
   - REPAIR OF ALL ON-SITE NON-COMPLIANT PATHS OF TRAVEL, INCLUDING ACCESSIBLE RAMPS, STAIRS AND WALKWAYS AS REQUIRED.
   - REDESIGN OF STUDENT DROP OFFS ON PASEO RANCHERO AND EAST J STREET TO INCLUDE ADDITIONAL ACCESSIBLE DROP OFF AND COMPLIANT SIDEWALK.
   - REPLACEMENT OF EXISTING ACCESSIBLE PARKING STALLS IN EAST J STREET DROP OFF AND STAFF PARKING, EAST OF BUILDING 900.
   - CONNECTION OF NEW DOWNSPOUTS TO EXISTING STORM DRAINS.
   - CONCRETE RESURFACING IN COVERED PAVILION.
   - REDESIGNING OF LANDSCAPE AREAS; UPDATE OF IRRIGATION SYSTEM TO BE COMPLIANT WITH OTAY WATER DISTRICT.
   - REPLACEMENT SITE LIGHTING WITH LED POLE LIGHTS.
   - INSTALLATION OF (2) CUSTOM SHADE STRUCTURES AND (5) PC SHADE STRUCTURES AROUND CAMPUS.
   - REPLACE EXISTING DRINKING FOUNTAINS WITH NEW HI-LOW DRINKING FOUNTAIN AND BOTTLE FILLERS.
   - NEW BUILDING AND SITE WAYFINDING SIGNAGE CAMPUS WIDE.
   - REPLACEMENT OF MARQUEE.
   - REPLACEMENT OF (2) PEDESTRIAN GATES AND ADDITION OF (2) PEDESTRIAN GATES AROUND SITE.
   - PAINTING OF ALL EXTERIOR COVERED WALKWAYS AND CANOPIES.
   - REMOVAL OF TEMPORARY HOUSING PORTABLES AT END OF PROJECT BY MODULAR LEASING COMPANY (P1034, P1035, P1036, P1311, P1312, P1313, P1314, P1315, P1316, P1317, P1318, P1319, P1320, P1321, P1322, P1323, P1324, P1325, P1326, P1327, P1328, P1329, P1330, P1331 AND P1332).
   - EXISTING PORTABLES 804, 805, 806, 807, 1306, 1307, 1308, 1309 AND 1310 ARE TO REMAIN, NOT IN SCOPE.
2. **ALTERATION OF EXISTING BUILDINGS**
   - REPLACEMENT OF ALL LOW-SLOPE ROOFS WITH PVC ROOFING.
   - REPLACEMENT OF ALL STANDING SEAM METAL ROOFING WITH NEW.
   - REPLACE ALL EXISTING COMBO ROOF DRAIN/OVERFLOW DRAIN ASSEMBLIES AND DOWNSPOUTS WITH NEW.
   - REPLACEMENT OF EXISTING ROOF HATCHES WITH NEW. ADD SAFETY RAILING SYSTEM.
   - REPLACEMENT OF EXISTING SKYLIGHTS WITH NEW.
   - PAINTING OF EXTERIOR OF ALL BUILDINGS INCLUDING WALLS, WINDOWS, DOORS AND DOOR FRAMES.
   - REPLACEMENT OF LOWER COURSE (40") OF EXTERIOR WALL WITH CEMENT PLASTER SYSTEM.
   - NEW ROOM SIGNAGE IN ALL BUILDINGS.
   - UPGRADE OF ALL INTERIOR FINISHES.
   - REPLACEMENT OF WINDOW COVERING WITH NEW AND ADDITION OF WINDOW COVERING WHERE MISSING.
   - REPLACEMENT OF WINDOWS DAMAGED BY WATER INTRUSION, AS REQUIRED.
   - REMOVAL OF OVERHEAD DOORS IN CLASSROOMS AND REPLACE WITH SOLID WALLS.
   - REPLACEMENT OF GAS HVAC UNITS WITH ELECTRIC HEAT PUMP UNITS THROUGHOUT THE CAMPUS.
   - INSTALLATION OF SECURITY WINDOW FILM.
   - REPLACEMENT OF DOOR HARDWARE IN SELECT AREAS.
   - REPLACEMENT OF WALLS DAMAGED BY WATER INTRUSION AS REQUIRED.
   - ADDITION OF ROOF LADDERS.
   - REPLACEMENT OF CASEWORK WITH NEW.
   - ADDITION OF RIGID INSULATION AT ROOF TO MEET T-24.
   - UPGRADE OF EXISTING RESTROOMS AS NECESSARY FOR ADA COMPLIANCE.
   - REMOVAL OF OPERABLE PARTITIONS AND REPLACE WITH SOLID WALLS.
3. **BUILDING ID AND TYPE**

• BUILDING 100	ADMINISTRATION	• BUILDING 600	CLASSROOMS
• BUILDING 150	MEDIA CENTER	• BUILDING 600A	RESTROOMS
• BUILDING 200	CLASSROOMS	• BUILDING 700	CLASSROOMS
• BUILDING 300	CLASSROOMS	• BUILDING 700A	CLASSROOMS
• BUILDING 300A	CLASSROOMS	• BUILDING 700B	FACULTY
• BUILDING 300B	RESTROOMS	• BUILDING 800	CLASSROOMS
• BUILDING 400	CLASSROOMS	• BUILDING 800A	CLASSROOMS
• BUILDING 400A	CLASSROOMS	• BUILDING 800B	RESTROOMS
• BUILDING 400B	RESTROOMS	• BUILDING 900	MULTIPURPOSE
• BUILDING 500	CLASSROOMS	• BUILDING 1000	PHYSICAL EDUCATION
• BUILDING 500A	CLASSROOMS		
• BUILDING 500B	FACULTY		

DSA NOTES

1. ALL WORK SHALL CONFORM TO TITLE 24 (2022 EDITION), CALIFORNIA CODE OF REGULATIONS (CCR).
2. 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.
3. A DSA-CERTIFIED CLASS 2 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342 & 4-333(B), PART 1, TITLE 24, CCR.
4. PRIOR TO FINAL INSPECTION, A CERTIFICATE OF CONSTRUCTION COMPLIANCE SHALL BE MADE READY FOR THE INSPECTION. THE CERTIFICATE SHALL STATE THAT "BASED UPON PERSONAL KNOWLEDGE, THAT THE WORK APPEARS TO HAVE BEEN PERFORMED, AND THE MATERIALS USED AND INSTALLED APPEAR IN EVERY MATERIAL RESPECT IN COMPLIANCE WITH THE PLANS". THE CERTIFICATE MUST BE SIGNED BY ONE OR MORE OF THE FOLLOWING: (A) OWNER, (B) GENERAL CONTRACTOR, (C) ARCHITECT, (D) DESIGN ENGINEER, (E) AN APPROVED INDEPENDENT INSPECTOR OR INSPECTION AGENCY.
5. ALL WORK SHALL BE IN ACCORDANCE WITH THE DIVISION OF THE STATE.
6. THE SCOPE OF WORK IS CLEARLY INDICATED ON THE COVER SHEET.
7. 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, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR).
8. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
9. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
10. MUST COMPLY WITH CFC CHAPTER 33 AND CBC CHAPTER 33 DURING DEMOLITION AND CONSTRUCTION.

FIRE DEPARTMENT NOTES

PER 2022 CFC BUILDINGS UNDERGOING CONSTRUCTION SHALL BE IN ACCORDANCE BUT NOT LIMITED TO THE FOLLOWING REQUIREMENTS: (INCLUDING CBC CHAPTER 33 PROVISIONS)

1. WATER MAINS AND HYDRANTS SHALL BE OPERATIONAL.
2. FIRE EXTINGUISHERS SHALL BE PROVIDED FOR BUILDINGS UNDER CONSTRUCTION, DEMOLITION OR ALTERATION WHEN REQUIRED BY LOCAL FIRE DEPARTMENT. THE NUMBER AND TYPE OF EXTINGUISHERS SHALL BE AS REQUIRED BY THE LOCAL FIRE DEPARTMENT. THE TYPE OF EXTINGUISHER SHALL BE SUITABLE FOR THE TYPE OF FIRE ASSOCIATED WITH THE HAZARDS PRESENT.
3. REQUIRED EXIT COMPONENTS SHALL BE MAINTAINED IN ACCORDANCE WITH THE 2022 CFC. PROVIDE TEMPORARY 1 HR. PROTECTION WHERE OCCUPIED DURING CONSTRUCTION.
4. COMBUSTIBLE DEBRIS SHALL NOT BE ACCUMULATED WITHIN BUILDINGS. COMBUSTIBLE DEBRIS, RUBBISH AND WASTE MATERIAL SHALL BE REMOVED FROM BUILDINGS AS OFTEN AS PRACTICAL. COMBUSTIBLE DEBRIS, WASTE MATERIAL AND TRASH SHALL NOT BE BURNED ON SITE UNLESS APPROVED.
5. FIRE RESISTIVE ASSEMBLIES AND CONSTRUCTION SHALL BE MAINTAINED IN ACCORDANCE WITH 2022 CFC.
6. APPROVED VEHICLE ACCESS FOR FIRE FIGHTING SHALL BE PROVIDED TO ALL CONSTRUCTION OR DEMOLITION SITES, PER CFC CHAPTER 33 SECTION 3310, ACCESS FOR FIRE FIGHTING.
7. READILY ACCESSIBLE EMERGENCY TELEPHONE FACILITIES SHALL BE PROVIDED IN AN APPROVED LOCATION AT THE CONSTRUCTION SITE. THE STREET ADDRESS OF THE CONSTRUCTION SITE AND THE EMERGENCY TELEPHONE NUMBER OF THE FIRE DEPARTMENT SHALL BE POSTED ADJACENT TO THE TELEPHONE.
8. FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION MUST BE IN ACCORDANCE WITH 2022 CBC CHAPTER 33. REFER TO DSA BULLETIN 24-05 FOR FURTHER INFORMATION.

FIRE PROTECTION NOTES

1. EXIT DOORS NOT FITTED WITH PANIC HARDWARE SHALL BE OPENABLE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE.
2. EXIT SIGNS TO BE INTERNALLY ILLUMINATED. THE WORD "EXIT" SHALL BE LETTERED IN GREEN ON A BLACK OR OPAQUE BACKGROUND. ALL EXIT SIGNS SHALL HAVE TWO SEPARATE SOURCES OF POWER, ONE OF THEM BEING THE BUILDING'S EMERGENCY POWER SOURCE, CONFORMING TO C.B.C. SECTION 1013.3
3. CONTRACTOR SHALL LOCATE, PROVIDE, AND INSTALL ALL FIRE EXTINGUISHER CABINETS, PER CODE. CABINETS SHALL BE SEMI-RECESSED AND PAINTED TO MATCH THE ADJACENT WALL.
4. INTERIOR FINISH SHALL COMPLY WITH ALL APPLICABLE CODES.
5. ALL DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION (C.C.R. T-19, SECTION 1.14, 3.08, 3.21, AND SECTION 1103.3.3, SECTION 2501.5, AND SECTION 2501.6).
6. ROOMS, BUILDINGS PROPOSED TO BE USED FOR THE STORAGE OR HANDLING OF HAZARDOUS CHEMICALS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE C.F.C. ARTICLES 80 AND 79.
7. ARRANGEMENTS FOR STORAGE, USE AND DISPENSING OF FLAMMABLE LIQUIDS SHALL BE MADE UNDER DIRECTION OF THE LOCAL FIRE OFFICIAL.
8. SITE FIRE PROTECTION SYSTEM, INCLUDING THE FOLLOWING, BUT NOT LIMITED TO: NEW FIRE HYDRANTS, NEW ACCESS ROAD/ENHANCE EXISTING ACCESS ROAD, UNDERGROUND FIRE LINE PIPING, ETC (AF ANY), SHALL BE COMPLETED AND OPERATIONAL PRIOR TO ANY COMBUSTIBLE MATERIALS ARE BROUGHT ON SITE FOR CONSTRUCTION OR STORAGE.
9. ALL PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE SEALED USING AN APPROVED METHOD AS PER DETAILS WHERE INCLUDED.

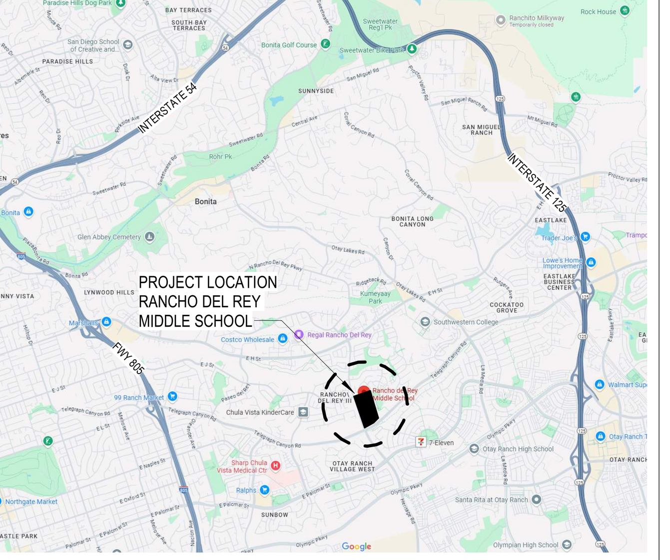
SITE SAFETY PLAN

A WRITTEN SIFE SAFETY PLAN IN COMPLIANCE WITH CFC 3303.1.1 MUST BE PREPARED AND AVAIALBLE ON SITE PRIOR TO COMMENCEMENT OF ANY MOBILIZATION, DEMOLITION AND/ OR CONSTRUCTION.

FIRE LIFE SAFETY NOTES

SEE SHEET G002 FOR FIRE LIFE SAFETY NOTES.

VICINITY MAP



APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF THE FOLLOWING CODES AND STANDARDS AS ADOPTED BY THE GOVERNING AUTHORITIES:

2025 CALIFORNIA ADMINISTRATIVE CODE (CAC) PART 1, TITLE 24, CCR
2022 CALIFORNIA BUILDING CODE (CBC) PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24 CCR
2022 CALIFORMIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
2022 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24 CCR
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen), PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCE STANDARDS CODE (CRSC) PART 12, TITLE 24 CCR, TITLE 19 CCR PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS:

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

GEOTECHNICAL EVALUATION

THE GEOTECHNICAL EVALUATION IS AVAILABLE FROM THE OWNER/ DISTRICT. REPORT IS DATED APRIL 2ND, 1996 AND WAS PREPARED BY:

GEOCON, INC.
6960 FLANDERS DRIVE
SAN DIEGO, CA 92121
PHONE: (619) 558-6900
FAX: (619) 558-6159
PROJECT #05687-51-01

A MORE RECENTLY EVALUATION IS AVAIALBLE FROM THE OWNER/ DISTRICT, DATED MAY 7TH, 2025 AND WAS PREPARED BY:

MTGL
7742 ARJONS DRIVE
SAN DIEGO, CALIFORNIA 92126
PHONE: (858) 537-3999
PROJECT #2151A36

HAZARDOUS MATERIALS & ABATEMENT

THE HAZARDOUS MATERIALS SURVEY REPORT (RANCHO BDEL REY MIDDLE SCHOOL - CAMPUS-WIDE) DATED MARCH 25TH, 2025 AND OTHER SUPPLEMENTAL DOCUMENTS IS AVAILABLE FROM THE OWNER/ DISTRICT. THEY WERE PREPARED BY:

VISTA ENVIRONMENTAL CONSULTING, INC.
1531 GRAND AVENUE, SUITE C
SAN MARCOS, CALIFORNIA 92078
PHONE: (760) 290-3076
PROJECT #240537010

LOCATION

STATEMENT OF GEN. CONFORMANCE

APPLICATION NO. A#04-124769
FILE NO. 37-H10

THE DRAWINGS IDENTIFIED AS FOLLOWS:

☒ ALL DRAWING SHEETS INCLUDED IN THIS SET NOT BEARING MY STAMP AND SIGNATURE.

☐ DRAWING SHEETS DENOTED IN THE SHEET INDEX AS FOLLOWS:____________________

☐ DRAWING SHEETS INCLUDED UNDER THE FOLLOWING PC APPROVAL(S):______________

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

SIGNATURE ____________ SEPTEMBER 05, 2025 DATE

EDWARD HOLAKIEWICZ — PRINTED NAME; C31100 — LICENSE NUMBER; JUNE 30, 2027 — EXPIRATION DATE

DEFERRED APPROVALS

1. UNDERGROUND STORM DRAIN TREATMENT VAULT

DSA SCHEDULE

DSA#	DESCRIPTION	DSA STATUS
-- 65118	New Middle School (Original Project)	APPROVED DATE: 1/31/1997 CLOSED DATE:
04 100988	CONSTRUCTION OF:3 TOILET BLDGS [RELOCATABLE] (4-100960) PC-284: 1 @ CHULA VISTA JR HS; 1 @ GRANGER MS; 1 @ NATIONAL CITY MS. ALTERATIONS TO 16 CR BLDGS (A-04-100960); 7 @ CHULA VISTA JR HS; 4 @ GRANGER MS; 4 @ MAR VISTA MS; 1 @ NATIONAL CITY MS	APPROVED DATE: 3/1/1999 CLOSED DATE: 5/2/2000
04 106530	Construction of (12)24'X40' RELOCATABLE C.R. BLDGS(PC 04-104796 BY MODTECH) & (1) 12'X40' RELOCATABLE TOILET BLDG(PC 04-104800 BY MODTECH) Relocation of (1) 24'X40' RELOCATABLE C.R. BLDG.(A# 04-100867) FROM SAME SCHOOL	APPROVED DATE: 12/21/2004 CLOSED DATE: 7/21/2011
04 107028	Construction of (1)35' MONOPOLE; & RELATED SITE WORK.	APPROVED DATE: 11/29/2005 CLOSED DATE: 4/14/2015
04 107426	Construction of 3-Cellular Poles/Towers, 1-Cellular Equipment Building	APPROVED DATE: 1/27/2006 CLOSED DATE: 10/30/2018
04 113128	Construction of 3-PV Shade Structure of 111'x36' each (Per PC 02-112720)	APPROVED DATE: 10/18/2013 CLOSED DATE: 2/26/2015
04 113804	Construction of 5-Accessible Ramps (PC # 04-112032); Relocation of 5-Classroom Buildings (Relocatable, A#04-106530)	APPROVED DATE: 7/31/2014 CLOSED DATE: 5/8/2015
04 114219	Relocation of 4-Classroom Buildings 804 thru 807 (Relocatable, 24x40, A#04-100988)	APPROVED DATE: 3/26/2015 CLOSED DATE: 12/8/2015
04 116427	Alterations to 1-Multi-purpose/Cafeteria Building 900/ HVAC upgrade	APPROVED DATE: 8/29/2017 CLOSED DATE: 4/11/2018
04 117423	Alterations to 2-Cellular Poles/Towers	APPROVED DATE: 6/12/2018 CLOSED DATE: 11/2/2018
04 123936	Alterations to 3-Light Poles (Replacement) & Site Improvements	APPROVED DATE: 11/21/2024 CLOSED DATE: NOT CLOSED

BUILDING CODE ANALYSIS

GENERAL NOTES:
ALL BUILDINGS ARE EXISTING TO REMAIN.
NO CHANGES TO AREA, OCCUPANCY, AND OCCUPANT LOADS.

BUILDING 100 - ADMINISTRATION

OCCUPANY	B
CONSTRUCTION TYPE	V-B
NO. OF STORIES	ONE
ACTUAL FLOOR AREA	8,769 SF
ALLOWABLE AREA	10,000 SF
MAXIMUM BUILDING HEIGHT	33'-0"
ALLOWABLE BUILDING HEIGHT	40'-0"

BUILDING 150 - MEDIA CENTER

OCCUPANY	E-1 [A-3 FOR READING ROOMS]
CONSTRUCTION TYPE	V-B
NO. OF STORIES	ONE
ACTUAL FLOOR AREA	12,562 SF
ALLOWABLE AREA	20,475 SF
MAXIMUM BUILDING HEIGHT	36'-9"
ALLOWABLE BUILDING HEIGHT	40'-0"

BUILDING 200 AND 300 - INSTRUCTIONAL CLUSTERS 1 & 2
GENERAL
BUILDINGS 200 AND 300, FOR THE PURPOSE OF THIS CODE ANALYSIS, ARE CONSIDERED AS ONE BUILDING.

OCCUPANY	E-1
CONSTRUCTION TYPE	V-B
NO. OF STORIES	ONE
ACTUAL FLOOR AREA	18,513 SF
ALLOWABLE AREA	21,158 SF
MAXIMUM BUILDING HEIGHT	24'-6"
ALLOWABLE BUILDING HEIGHT	40'-0"

BUILDING 400 AND 500 - INSTRUCTIONAL CLUSTERS 3 & 4
GENERAL
BUILDINGS 400 AND 500, FOR THE PURPOSE OF THIS CODE ANALYSIS, ARE CONSIDERED AS ONE BUILDING.

OCCUPANY	E-1
CONSTRUCTION TYPE	V-B
NO. OF STORIES	ONE
ACTUAL FLOOR AREA	20,754 SF
ALLOWABLE AREA	23,205 SF
MAXIMUM BUILDING HEIGHT	24'-6"
ALLOWABLE BUILDING HEIGHT	40-0"

BUILDING 600 - INSTRUCTIONAL CLUSTER 5

OCCUPANY	E-1
CONSTRUCTION TYPE	V-B
NO. OF STORIES	ONE
ACTUAL FLOOR AREA	7,318 SF
ALLOWABLE AREA	17,062 SF
MAXIMUM BUILDING HEIGHT	24'-6"
ALLOWABLE BUILDING HEIGHT	40'-0"

BUILDING 700 - INSTRUCTIONAL CLUSTER 6

OCCUPANY	E-1
CONSTRUCTION TYPE	V-B
NO. OF STORIES	ONE
ACTUAL FLOOR AREA	9,604 SF
ALLOWABLE AREA	16,209 SF
MAXIMUM BUILDING HEIGHT	24'-6"
ALLOWABLE BUILDING HEIGHT	40'-0"

BUILDING 800 - INSTRUCTIONAL CLUSTER 7

OCCUPANY	E-1
CONSTRUCTION TYPE	V-B
NO. OF STORIES	ONE
ACTUAL FLOOR AREA	11,968 SF
ALLOWABLE AREA	17,062 SF
MAXIMUM BUILDING HEIGHT	20'-0"
ALLOWABLE BUILDING HEIGHT	40'-0"

BUILDING 900 - MULTIPURPOSE

OCCUPANY	A-2.1
CONSTRUCTION TYPE	V-A (1-HOUR)
NO. OF STORIES	ONE
ACTUAL FLOOR AREA	20,861 SF ENCLOSED 12,117 SF COVERED, ATTACHED
TOTAL STRUCTURE AREA	32,978 SF
ALLOWABLE AREA	63,000 SF
MAXIMUM BUILDING HEIGHT	41'-5"
ALLOWABLE BUILDING HEIGHT	50'-0"

BUILDING 1000 - PHYSICAL EDUCATION

OCCUPANY	E-1
CONSTRUCTION TYPE	V-B
NO. OF STORIES	ONE
ACTUAL FLOOR AREA	12,042 SF
ALLOWABLE AREA	20'475 SF
MAXIMUM BUILDING HEIGHT	30'-0"
ALLOWABLE BUILDING HEIGHT	40'-0"

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

COVER SHEET

G000

DSA BACKCHECK

00 - GENERAL

G000	COVER SHEET
G001	SHEET INDEX
G002	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
G003	CALGREEN REQUIREMENTS
G004	CALGREEN TABLES
G101	FIRE ACCESS PLAN
G102	FIRE SAFETY PREVENTION PLAN
G103	ACCESSIBLE PATH OF TRAVEL PLAN
G201	ACCESSIBILITY DETAILS
G202	ACCESSIBILITY DETAILS
G203	ACCESSIBILITY DETAILS
G301	T-24 BUILDING 100 ENVELOPE
G301.5	T-24 BUILDING 150 ENVELOPE
G302	T-24 BUILDING 200 ENVELOPE
G303	T-24 BUILDING 300 ENVELOPE
G304	T-24 BUILDING 400 ENVELOPE
G305	T-24 BUILDING 500 ENVELOPE
G306	T-24 BUILDING 600 ENVELOPE
G307	T-24 BUILDING 700 ENVELOPE
G308	T-24 BUILDING 800 ENVELOPE
G309	T-24 BUILDING 900 ENVELOPE
G310	T-24 BUILDING 1000 ENVELOPE

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01 - CIVIL

C0.0	CIVIL LEGEND, NOTES, AND ABBREVIATIONS
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C1.1	DEMOLITION PLAN
C1.2	DEMOLITION PLAN
C1.3	DEMOLITION PLAN
C1.4	DEMOLITION PLAN
C1.5	DEMOLITION PLAN
C1.6	DEMOLITION PLAN
C1.7	DEMOLITION PLAN
C1.8	DEMOLITION PLAN
C1.9	DEMOLITION PLAN
C1.10	DEMOLITION PLAN
C1.11	DEMOLITION PLAN
C1.12	DEMOLITION PLAN
C2.0	SITE IMPROVEMENT KEY MAP
C2.1	SITE IMPROVEMENT PLANS
C2.2	SITE IMPROVEMENT PLANS
C2.3	SITE IMPROVEMENT PLANS
C2.4	SITE IMPROVEMENT PLANS
C2.5	SITE IMPROVEMENT PLANS
C2.6	SITE IMPROVEMENT PLANS
C2.7	SITE IMPROVEMENT PLANS
C2.8	SITE IMPROVEMENT PLANS
C2.9	SITE IMPROVEMENT PLANS
C2.10	SITE IMPROVEMENT PLANS
C2.11	SITE IMPROVEMENT PLANS
C2.12	SITE IMPROVEMENT PLANS
C3.0	STORM DRAIN PROFILE
C3.1	DRIVE AISLE PROFILE
C4.0	EROSION CONTROL PLAN MAP
C4.1	EROSION CONTROL PLANS
C4.2	EROSION CONTROL PLANS
C4.3	EROSION CONTROL PLANS
C4.4	EROSION CONTROL PLANS
C4.5	EROSION CONTROL NOTES
C5.0	DETAILS
C5.1	DETAILS
C5.2	DETAILS
C5.3	DETAILS
C5.4	DETAILS
C5.5	DETAILS
C5.6	DETAILS

01 - CIVIL: 42

02 - LANDSCAPE

L000	COVER SHEET
L010	ORIENTATION PLAN
L020	DEMO AND PROTECTION NOTES AND SCHEDULE
L021	DEMO AND PROTECTION PLAN
L022	DEMO AND PROTECTION PLAN
L023	DEMO AND PROTECTION PLAN
L024	DEMO AND PROTECTION PLAN
L030	SHADE CALCULATIONS
L100	HARDSCAPE NOTES AND SCHEDULE
L101	HARDSCAPE PLAN
L102	HARDSCAPE PLAN
L103	HARDSCAPE PLAN
L104	HARDSCAPE PLAN
L110	HARDSCAPE DETAILS
L200	IRRIGATION NOTES AND SCHEDULE
L201	IRRIGATION PLAN
L202	IRRIGATION PLAN
L203	IRRIGATION PLAN
L204	IRRIGATION PLAN
L210	IRRIGATION DETAILS
L300	PLANTING NOTES AND SCHEDULE
L301	PLANTING PLAN
L302	PLANTING PLAN
L303	PLANTING PLAN
L304	PLANTING PLAN
L310	PLANTING DETAILS

02 - LANDSCAPE: 26

03 - ARCHITECTURE (DEMO)

AD001	SITE PLAN - DEMO
AD002	ENLARGED SITE PLAN - AREA 1 - DEMO
AD003	ENLARGED SITE PLAN - AREA 2 - DEMO
AD004	ENLARGED SITE PLAN - AREA 3 - DEMO
AD005	ENLARGED SITE PLAN - AREA 4 - DEMO
AD006	ENLARGED BLDG 900 PAVILION, STAIRS AND RAMP PLANS - DEMO
AD601	GATE SCHEDULE - DEMO
AD1-101	BLDG 100 - FLOOR PLAN - DEMO
AD1-111	BLDG 100 - REFLECTED CEILING PLAN - DEMO
AD1-121	BLDG 100 - ROOF PLAN - DEMO
AD1-201	BLDG 100 - BUILDING ELEVATIONS - DEMO
AD1-401	BLDG 100 - ENLARGED PLANS & INT. ELEV - RESTROOMS - DEMO
AD1-601	BLDG 100 - DOOR SCHEDULE - DEMO
AD1.5-101	BLDG 150 - FLOOR PLAN - DEMO
AD1.5-111	BLDG 150 - REFLECTED CEILING PLAN - DEMO
AD1.5-121	BLDG 150 - ROOF PLAN - DEMO
AD1.5-201	BLDG 150 - BUILDING ELEVATIONS - DEMO
AD1.5-401	BLDG 150 - ENLARGED PLANS & INT. ELEV - RESTROOMS - DEMO
AD1.5-601	BLDG 150 - DOOR SCHEDULE - DEMO
AD2-101	BLDG 200 - FLOOR PLAN - DEMO
AD2-111	BLDG 200 - REFLECTED CEILING PLAN - DEMO
AD2-121	BLDG 200 - ROOF PLAN - DEMO
AD2-201	BLDG 200 - BUILDING ELEVATIONS - DEMO
AD2-401	BLDG 200 - ENLARGED PLANS & INT. ELEV - RESTROOMS - DEMO
AD2-601	BLDG 200 - DOOR AND WINDOW SCHEDULE - DEMO
AD3-101	BLDG 300 - FLOOR PLAN - DEMO
AD3-111	BLDG 300 - REFLECTED CEILING PLAN - DEMO
AD3-121	BLDG 300 - ROOF PLAN - DEMO
AD3-201	BLDG 300 - BUILDING ELEVATIONS - DEMO
AD3-401	BLDG 300 - ENLARGED PLANS & INT. ELEV - RESTROOMS - DEMO
AD3-402	BLDG 300 - ENLARGED PLANS & INT. ELEV - RESTROOMS - DEMO
AD3-601	BLDG 300 - DOOR AND WINDOW SCHEDULE - DEMO
AD4-101	BLDG 400 - FLOOR PLAN - DEMO
AD4-111	BLDG 400 - REFLECTED CEILING PLAN - DEMO
AD4-121	BLDG 400 - ROOF PLAN - DEMO
AD4-201	BLDG 400 - BUILDING ELEVATIONS - DEMO
AD4-401	BLDG 400 - ENLARGED PLANS & INT. ELEV - RESTROOMS - DEMO
AD4-601	BLDG 400 - DOOR AND WINDOW SCHEDULE - DEMO
AD5-101	BLDG 500 - FLOOR PLAN - DEMO
AD5-111	BLDG 500 - REFLECTED CEILING PLAN - DEMO
AD5-121	BLDG 500 - ROOF PLAN - DEMO
AD5-201	BLDG 500 - BUILDING ELEVATIONS - DEMO
AD5-401	BLDG 500 - ENLARGED PLANS & INT. ELEV - RESTROOMS - DEMO
AD5-601	BLDG 500 - DOOR AND WINDOW SCHEDULE - DEMO
AD6-101	BLDG 600 - FLOOR PLAN - DEMO
AD6-111	BLDG 600 - REFLECTED CEILING PLAN - DEMO
AD6-121	BLDG 600 - ROOF PLAN - DEMO
AD6-201	BLDG 600 - BUILDING ELEVATIONS - DEMO
AD6-401	BLDG 600 - ENLARGED PLANS & INT. ELEV - RESTROOMS - DEMO
AD6-601	BLDG 600 - DOOR AND WINDOW SCHEDULE - DEMO
AD7-101	BLDG 700 - FLOOR PLAN - DEMO
AD7-111	BLDG 700 - REFLECTED CEILING PLAN - DEMO
AD7-121	BLDG 700 - ROOF PLAN - DEMO
AD7-201	BLDG 700 - BUILDING ELEVATIONS - DEMO
AD7-402	BLDG 700 - ENLARGED PLANS & INT. ELEV - RESTROOMS - DEMO
AD7-601	BLDG 700 - DOOR AND WINDOW SCHEDULE - DEMO
AD8-101	BLDG 800 - FLOOR PLAN - DEMO
AD8-111	BLDG 800 - REFLECTED CEILING PLAN - DEMO
AD8-121	BLDG 800 - ROOF PLAN - DEMO
AD8-201	BLDG 800 - BUILDING ELEVATIONS - DEMO
AD8-402	BLDG 800 - ENLARGED PLANS & INT. ELEV - RESTROOMS - DEMO
AD8-601	BLDG 800 - DOOR AND WINDOW SCHEDULE - DEMO
AD9-101	BLDG 900 - FLOOR PLAN - DEMO
AD9-111	BLDG 900 - REFLECTED CEILING PLAN - DEMO
AD9-121	BLDG 900 - ROOF PLAN - DEMO
AD9-201	BLDG 900 - BUILDING ELEVATIONS - DEMO
AD9-202	BLDG 900 - BUILDING ELEVATIONS - DEMO
AD9-401	BLDG 900 - ENLARGED PLANS & INT. ELEV - RESTROOMS - DEMO
AD9-402	BLDG 900 - INTERIOR ELEVATIONS - DEMO
AD9-403	BLDG 900 - INTERIOR ELEVATIONS - DEMO
AD9-601	BLDG 900 - DOOR SCHEDULE - DEMO
AD10-101	BLDG 1000 - FLOOR PLAN - DEMO
AD10-111	BLDG 1000 - REFLECTED CEILING PLAN - DEMO
AD10-121	BLDG 1000 - ROOF PLAN - DEMO
AD10-201	BLDG 1000 - BUILDING ELEVATIONS - DEMO
AD10-401	BLDG 1000 - ENLARGED PLANS & INT. ELEV - RESTROOMS - DEMO
AD10-402	BLDG 1000 - ENLARGED PLANS & INT. ELEV - RESTROOMS - DEMO
AD10-403	BLDG 1000 - ENLARGED PLANS & INT. ELEVATIONS - DEMO
AD10-601	BLDG 1000 - DOOR SCHEDULE - DEMO

03 - ARCHITECTURE (DEMO): 79

03.1 - ARCHITECTURE

AS001	SITE PLAN
AS002	ENLARGED SITE PLAN - AREA 1
AS003	ENLARGED SITE PLAN - AREA 2
AS004	ENLARGED SITE PLAN - AREA 3
AS005	ENLARGED SITE PLAN - AREA 4
AS006	ENLARGED BLDG 900 PAVILION, STAIRS AND RAMP PLANS
AS501	SITE DETAILS
AS502	CHAINLINK / DECORATIVE FENCE AND GATE DETAILS
AS601	GATE SCHEDULE & DETAILS
A1-101	BLDG 100 - FLOOR PLAN
A1-111	BLDG 100 - REFLECTED CEILING PLAN
A1-121	BLDG 100 - ROOF PLAN
A1-131	BLDG 100 - ROOM SIGNAGE PLAN & SCHEDULE
A1-201	BLDG 100 - BUILDING ELEVATIONS
A1-401	BLDG 100 - ENLARGED PLANS & INT. ELEVATIONS - RESTROOMS
A1-402	BLDG 100 - ENLARGED PLANS & INT. ELEVATIONS
A1-403	BLDG 100 - ENLARGED PLANS & INT. ELEVATIONS
A1-404	BLDG 100 - ENLARGED PLAN & INT. ELEVATIONS - RECEPTION DESK
A1-601	BLDG 100 - FINISH FLOOR PLAN
A1-602	BLDG 100 - DOOR SCHEDULE
A1-603	BLDG 100 - WINDOW SCHEDULE
A1-604	BLDG 100 - ROOM FINISH SCHEDULE
A1.5-101	BLDG 150 - FLOOR PLAN
A1.5-111	BLDG 150 - REFLECTED CEILING PLAN
A1.5-121	BLDG 150 - ROOF PLAN
A1.5-131	BLDG 150 - ROOM SIGNAGE PLAN & SCHEDULE
A1.5-201	BLDG 150 - BUILDING ELEVATIONS
A1.5-401	BLDG 150 - ENLARGED PLANS & INT. ELEVATIONS - RESTROOMS
A1.5-402	BLDG 150 - ENLARGED PLANS & INT. ELEVATIONS
A1.5-403	BLDG 150 - ENLARGED PLAN & INT. ELEVATIONS - RECEPTION DESK
A1.5-601	BLDG 150 - FINISH FLOOR PLANS
A1.5-602	BLDG 150 - DOOR SCHEDULES
A1.5-603	BLDG 150 - WINDOW SCHEDULES
A1.5-604	BLDG 150 - ROOM FINISH SCHEDULE
A2-101	BLDG 200 - FLOOR PLAN
A2-111	BLDG 200 - REFLECTED CEILING PLAN
A2-121	BLDG 200 - ROOF PLAN
A2-131	BLDG 200 - ROOM SIGNAGE PLAN & SCHEDULE
A2-201	BLDG 200 - BUILDING ELEVATIONS
A2-401	BLDG 200 - ENLARGED PLANS & INT. ELEVATIONS - RESTROOMS
A2-402	BLDG 200 - ENLARGED PLANS & INT. ELEVATIONS
A2-403	BLDG 200 - ENLARGED PLANS & INT. ELEVATIONS
A2-601	BLDG 200 - FINISH FLOOR PLAN
A2-602	BLDG 200 - DOOR AND WINDOW SCHEDULES
A2-604	BLDG 200 - ROOM FINISH SCHEDULE
A3-101	BLDG 300 - FLOOR PLAN
A3-111	BLDG 300 - REFLECTED CEILING PLAN
A3-121	BLDG 300 - ROOF PLAN
A3-131	BLDG 300 - SIGNAGE PLAN & SCHEDULE
A3-201	BLDG 300 - BUILDING ELEVATIONS
A3-401	BLDG 300 - ENLARGED PLANS & INT. ELEVATIONS - RESTROOMS
A3-402	BLDG 300 - ENLARGED PLANS & INT. ELEVATIONS - RESTROOMS
A3-403	BLDG 300 - ENLARGED PLANS & INT. ELEVATIONS
A3-404	BLDG 300 - ENLARGED PLANS & INT. ELEVATIONS
A3-601	BLDG 300 - FINISH FLOOR PLAN
A3-602	BLDG 300 - DOOR AND WINDOW SCHEDULES
A3-604	BLDG 300 - ROOM FINISH SCHEDULE
A4-101	BLDG 400 - FLOOR PLAN
A4-111	BLDG 400 - REFLECTED CEILING PLAN
A4-121	BLDG 400 - ROOF PLAN
A4-131	BLDG 400 - ROOM SIGNAGE PLAN & SCHEDULE
A4-201	BLDG 400 - BUILDING ELEVATIONS
A4-401	BLDG 400 - ENLARGED PLANS & INT. ELEVATIONS - RESTROOMS
A4-402	BLDG 400 - ENLARGED PLANS & INT. ELEVATIONS
A4-403	BLDG 400 - INTERIOR ELEVATIONS
A4-601	BLDG 400 - FINISH FLOOR PLAN
A4-602	BLDG 400 - DOOR AND WINDOW SCHEDULES
A4-604	BLDG 400 - ROOM FINISH SCHEDULE
A5-101	BLDG 500 - FLOOR PLAN
A5-111	BLDG 500 - REFLECTED CEILING PLAN
A5-121	BLDG 500 - ROOF PLAN
A5-131	BLDG 500 - ROOM SIGNAGE PLAN & SCHEDULE
A5-201	BLDG 500 - BUILDING ELEVATIONS
A5-401	BLDG 500 - ENLARGED PLANS & INT. ELEVATIONS - RESTROOMS
A5-402	BLDG 500 - INT. ELEVATIONS
A5-601	BLDG 500 - FINISH FLOOR PLAN
A5-602	BLDG 500 - DOOR AND WINDOW SCHEDULES
A5-604	BLDG 500 - ROOM FINISH SCHEDULE
A6-101	BLDG 600 - FLOOR PLAN
A6-111	BLDG 600 - REFLECTED CEILING PLAN
A6-121	BLDG 600 - ROOF PLAN
A6-131	BLDG 600 - ROOM SIGNAGE PLAN & SCHEDULE
A6-201	BLDG 600 - BUILDING ELEVATIONS
A6-401	BLDG 600 - ENLARGED PLANS & INT. ELEVATIONS - RESTROOMS
A6-402	BLDG 600 - INTERIOR ELEVATIONS
A6-403	BLDG 600 - ENLARGED PLANS & DETAILS- AWNING CANOPY
A6-601	BLDG 600 - FINISH FLOOR PLAN
A6-602	BLDG 600 - DOOR AND WINDOW SCHEDULES
A6-604	BLDG 600 - ROOM FINISH SCHEDULE
A7-101	BLDG 700 - FLOOR PLAN
A7-111	BLDG 700 - REFLECTED CEILING PLAN
A7-121	BLDG 700 - ROOF PLAN
A7-131	BLDG 700 - ROOM SIGNAGE PLANS & SCHEDULE
A7-201	BLDG 700 - BUILDING ELEVATIONS
A7-401	BLDG 700 - ENLARGED PLANS & INT. ELEVATIONS - RESTROOMS
A7-402	BLDG 700 - INTERIOR ELEVATIONS
A7-601	BLDG 700 - FINISH FLOOR PLAN
A7-602	BLDG 700 - DOOR AND WINDOW SCHEDULES
A7-604	BLDG 700 - ROOM FINISH SCHEDULE
A8-101	BLDG 800 - FLOOR PLAN
A8-111	BLDG 800 - REFLECTED CEILING PLAN
A8-121	BLDG 800 - ROOF PLAN
A8-131	BLDG 800 - ROOM SIGNAGE PLANS & SCHEDULE
A8-201	BLDG 800 - BUILDING ELEVATIONS
A8-401	BLDG 800 - ENLARGED PLANS & INT. ELEVATIONS - RESTROOMS
A8-402	BLDG 800 - INTERIOR ELEVATIONS
A8-403	BLDG 800 - INTERIOR ELEVATIONS
A8-601	BLDG 800 - FINISH FLOOR PLAN
A8-602	BLDG 800 - DOOR AND WINDOW SCHEDULES
A8-604	BLDG 800 - ROOM FINISH SCHEDULE
A9-101	BLDG 900 - FLOOR PLAN
A9-111	BLDG 900 - REFLECTED CEILING PLAN
A9-121	BLDG 900 - ROOF PLAN
A9-131	BLDG 900 - ROOM SIGNAGE PLAN
A9-132	BLDG 900 - SIGNAGE SCHEDULE
A9-201	BLDG 900 - BUILDING ELEVATIONS
A9-202	BLDG 900 - BUILDING ELEVATIONS
A9-401	BLDG 900 - ENLARGED PLANS & INT. ELEVATIONS - RESTROOMS
A9-402	BLDG 900 - INTERIOR ELEVATIONS
A9-403	BLDG 900 - INTERIOR ELEVATIONS
A9-601	BLDG 900 - FINISH FLOOR PLAN
A9-602	BLDG 900 - DOOR SCHEDULE
A9-603	BLDG 900 - WINDOW SCHEDULE
A9-604	BLDG 900 - ROOM FINISH SCHEDULE
A10-101	BLDG 1000 - FLOOR PLAN
A10-111	BLDG 1000 - REFLECTED CEILING PLAN
A10-121	BLDG 1000 - ROOF PLAN
A10-131	BLDG 1000 - ROOM SIGNAGE PLAN & SCHEDULE
A10-201	BLDG 1000 - BUILDING ELEVATIONS
A10-401	BLDG 1000 - ENLARGED PLANS & INT. ELEVATIONS - RESTROOMS
A10-402	BLDG 1000 - ENLARGED PLANS & INT. ELEVATIONS - RESTROOMS
A10-403	BLDG 1000 - ENLARGED PLANS & INT. ELEVATIONS
A10-601	BLDG 1000 - FINISH FLOOR PLAN
A10-602	BLDG 1000 - DOOR AND WINDOW SCHEDULES
A10-604	BLDG 1000 - ROOM FINISH SCHEDULE
A601	EXTERIOR MATERIAL SCHEDULE
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A812	WINDOW DETAILS
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A822	CEILING DETAILS - ACOUSTIC TILE LAY-IN
A823	CEILING DETAILS - ACOUSTIC TILE LAY-IN
A824	CEILING DETAILS - SUSPENDED GYP BOARD
A831	ROOF DETAILS - MISC.
A832	ROOF DETAILS - LOW SLOPE ROOF
A833	ROOF DETAILS - STANDING SEAM
A834	ROOF DETAILS - STANDING SEAM
A835	ROOF DETAILS - STANDING SEAM
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A852	CASEWORK DETAILS - RECEPTION DESKS
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S0-0.02	GENERAL MATERIAL NOTES
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S0-0.12	TYPICAL CONCRETE DETAILS
S0-0.13	TYPICAL METAL DECK DETAILS & SCHEDULES
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S0-0.43	TYPICAL CHANNEL STRUT DETAILS
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S2-102	BLDG 200 - ROOF FRAMING PLAN
S3-101	BLDG 300 - FOUNDATION PLAN
S3-102	BLDG 300 - ROOF FRAMING PLAN
S4-101	BLDG 400 - FOUNDATION PLAN
S4-102	BLDG 400 - ROOF FRAMING PLAN
S5-101	BLDG 500 - FOUNDATION PLAN
S5-102	BLDG 500 - ROOF FRAMING PLAN
S6-101	BLDG 600 - FOUNDATION PLAN
S6-102	BLDG 600 - ROOF FRAMING PLAN
S7-101	BLDG 700 - FOUNDATION PLAN
S7-102	BLDG 700 - ROOF FRAMING PLAN
S8-101	BLDG 800 - FOUNDATION PLAN
S8-102	BLDG 800 - ROOF FRAMING PLAN
S9-101	BLDG 900 - FOUNDATION PLAN
S9-102	BLDG 900 - ROOF FRAMING PLAN
S10-101	BLDG 1000 - FOUNDATION PLAN
S10-102	BLDG 1000 - ROOF FRAMING PLAN
S-501	DETAILS
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S-503	RAMP PLANS AND DETAILS
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M0-003	SCHEDULES
M0-004	SCHEDULES
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M0-008	TITLE 24
M0-009	TITLE 24
M0-010	TITLE 24
M0-011	TITLE 24
M0-012	TITLE 24
M0-013	TITLE 24
M0-014	TITLE 24
M0-015	TITLE 24
M0-016	TITLE 24
M0-017	TITLE 24
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M0-019	TITLE 24
M0-020	TITLE 24
M0-021	TITLE 24
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MD1.5-121	BLDG 150 - ROOF PLAN - DEMO
MD2-101	BLDG 200 - FLOOR PLAN - DEMO
MD2-121	BLDG 200 - ROOF PLAN - DEMO
MD3-101	BLDG 300 - FLOOR PLAN - DEMO
MD3-121	BLDG 300 - ROOF PLAN - DEMO
MD4-101	BLDG 400 - FLOOR PLAN - DEMO
MD4-121	BLDG 400 - ROOF PLAN - DEMO
MD5-101	BLDG 500 - FLOOR PLAN - DEMO
MD5-121	BLDG 500 - ROOF PLAN - DEMO
MD6-101	BLDG 600 - FLOOR PLAN - DEMO
MD6-121	BLDG 600 - ROOF PLAN - DEMO
MD7-101	BLDG 700 - FLOOR PLAN - DEMO
MD7-121	BLDG 700 - ROOF PLAN - DEMO
MD8-101	BLDG 800 - FLOOR PLAN - DEMO
MD8-102	BLDG 800 - ROOF PLAN - DEMO
MD9-101	BLDG 900 - FLOOR PLAN - DEMO
MD9-121	BLDG 900 - ROOF PLAN - DEMO
MD10-101	BLDG 1000 - FLOOR PLAN - DEMO
MD10-121	BLDG 1000 - ROOF PLAN - DEMO
M1-100	BUILDING 100 - ZONING PLAN
M1-101	BLDG 100 - FLOOR PLAN
M1-121	BLDG 100 - ROOF PLAN
M1.5-100	BUILDING 150 - ZONING PLAN
M1.5-101	BLDG 150 - FLOOR PLAN
M1.5-121	BLDG 150 - ROOF PLAN
M2-100	BUILDING 200 - ZONING PLAN
M2-101	BLDG 200 - FLOOR PLAN
M2-121	BLDG 200 - ROOF PLAN
M3-100	BUILDING 300 - ZONING PLAN
M3-101	BLDG 300 - FLOOR PLAN
M3-121	BLDG 300 - ROOF PLAN
M4-100	BUILDING 400 - ZONING PLAN
M4-101	BLDG 400 - FLOOR PLAN
M4-121	BLDG 400 - ROOF PLAN
M5-100	BUILDING 500 - ZONING PLAN
M5-101	BLDG 500 - FLOOR PLAN
M5-121	BLDG 500 - ROOF PLAN
M6-100	BUILDING 600 - ZONING PLAN
M6-101	BLDG 600 - FLOOR PLAN
M6-121	BLDG 600 - ROOF PLAN
M7-100	BUILDING 700 - ZONING PLAN
M7-101	BLDG 700 - FLOOR PLAN
M7-121	BLDG 700 - ROOF PLAN
M8-101	BUILDING 800 - ZONING PLAN
M8-121	BLDG 800 - FLOOR PLAN
M8-122	BLDG 800 - ROOF PLAN
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M9-101	BLDG 900 - FLOOR PLAN
M9-121	BLDG 900 - ROOF PLAN
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PD1-121	BLDG 100 - PLUMBING ROOF PLAN - DEMO
PD1.5-101	BLDG 150 - PLUMBING FLOOR PLAN - DEMO
PD1.5-121	BLDG 150 - PLUMBING ROOF PLAN - DEMO
PD2-101	BLDG 200 - PLUMBING FLOOR PLAN - DEMO
PD2-121	BLDG 200 - PLUMBING ROOF PLAN - DEMO
PD3-101	BLDG 300 - PLUMBING FLOOR PLAN - DEMO
PD3-121	BLDG 300 - PLUMBING ROOF PLAN - DEMO
PD4-101	BLDG 400 - PLUMBING FLOOR PLAN - DEMO
PD4-121	BLDG 400 - PLUMBING ROOF PLAN - DEMO
PD5-101	BLDG 500 - PLUMBING FLOOR PLAN - DEMO
PD5-121	BLDG 500 - PLUMBING ROOF PLAN - DEMO
PD6-101	BLDG 600 - PLUMBING FLOOR PLAN - DEMO
PD6-121	BLDG 600 - PLUMBING ROOF PLAN - DEMO
PD7-101	BLDG 700 - PLUMBING FLOOR PLAN - DEMO
PD7-121	BLDG 700 - PLUMBING ROOF PLAN - DEMO
PD8-101	BLDG 800 - PLUMBING FLOOR PLAN - DEMO
PD8-121	BLDG 800 - PLUMBING ROOF PLAN - DEMO
PD9-101	BLDG 900 - PLUMBING FLOOR PLAN - DEMO
PD9-121	BLDG 900 - PLUMBING ROOF PLAN - DEMO
PD10-101	BLDG 1000 - PLUMBING FLOOR PLAN - DEMO
PD10-121	BLDG 1000 - PLUMBING ROOF PLAN - DEMO
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P1-401	PLUMBING ENLARGED PLANS
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P3-401	PLUMBING ENLARGED PLANS
P4-101	BLDG 400 - PLUMBING FLOOR PLAN
P4-121	BLDG 400 - PLUMBING ROOF PLAN
P4-401	PLUMBING ENLARGED PLANS
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P5-121	BLDG 500 - PLUMBING ROOF PLAN
P5-401	PLUMBING ENLARGED PLANS
P6-101	BLDG 600 - PLUMBING FLOOR PLAN
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P6-401	PLUMBING ENLARGED PLANS
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P7-401	PLUMBING ENLARGED PLANS
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P8-121	BLDG 800 - PLUMBING ROOF PLAN
P8-401	PLUMBING ENLARGED PLANS
P9-101	BLDG 900 - PLUMBING FLOOR PLAN
P9-121	BLDG 900 - PLUMBING ROOF PLAN
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P10-101	BLDG 1000 - PLUMBING FLOOR PLAN
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ED1-101	BLDG 100 - ROOF ELECTRICAL PLAN - DEMO
ED1.5-100	BLDG 150 - ELECTRICAL PLAN - DEMO
ED1.5-101	BLDG 150 - ROOF ELECTRICAL PLAN - DEMO
ED2-100	BLDG 200 - ELECTRICAL PLAN - DEMO
ED2-101	BLDG 200 - ROOF ELECTRICAL PLAN - DEMO
ED3-100	BLDG 300 - ELECTRICAL PLAN - DEMO
ED3-101	BLDG 300 - ROOF ELECTRICAL PLAN - DEMO
ED4-100	BLDG 400 - ELECTRICAL PLAN - DEMO
ED4-101	BLDG 400 - ROOF ELECTRICAL PLAN - DEMO
ED5-100	BLDG 500 - ELECTRICAL PLAN - DEMO
ED5-101	BLDG 500 - ROOF ELECTRICAL PLAN - DEMO
ED6-100	BLDG 600 - ELECTRICAL PLAN - DEMO
ED6-101	BLDG 600 - ROOF ELECTRICAL PLAN - DEMO
ED7-100	BLDG 700 - ELECTRICAL PLAN - DEMO
ED7-101	BLDG 700 - ROOF ELECTRICAL PLAN - DEMO
ED8-100	BLDG 800 - ELECTRICAL PLAN - DEMO
ED8-101	BLDG 800 - ROOF ELECTRICAL PLAN - DEMO
ED9-100	BLDG 900 - ELECTRICAL PLAN - DEMO
ED9-101	BLDG 900 - ROOF ELECTRICAL PLAN - DEMO
ED10-100	BLDG 1000 - ELECTRICAL PLAN - DEMO
ED10-101	BLDG 1000 - ROOF ELECTRICAL PLAN - DEMO
E0-100	ELECTRICAL SITE PLAN
E1-100	BLDG 100 - ELECTRICAL PLAN
E1-101	BLDG 100 - ROOF POWER PLAN
E1.5-100	BLDG 150 - ELECTRICAL PLAN
E1.5-101	BLDG 150 - ROOF POWER PLAN
E2-100	BLDG 200 - ELECTRICAL PLAN
E2-101	BLDG 200 - ROOF POWER PLAN
E3-100	BLDG 300 - ELECTRICAL PLAN
E3-101	BLDG 300 - ROOF POWER PLAN
E4-100	BLDG 400 - ELECTRICAL PLAN
E4-101	BLDG 400 - ROOF POWER PLAN
E5-100	BLDG 500 - ELECTRICAL PLAN
E5-101	BLDG 500 - ROOF POWER PLAN
E6-100	BLDG 600 - ELECTRICAL PLAN
E6-101	BLDG 600 - ROOF POWER PLAN
E7-100	BLDG 700 - ELECTRICAL PLAN
E7-101	BLDG 700 - ROOF POWER PLAN
E8-100	BLDG 800 - ELECTRICAL PLAN
E8-101	BLDG 800 - ROOF POWER PLAN
E9-100	BLDG 900 - ELECTRICAL PLAN
E9-101	BLDG 900 - ROOF POWER PLAN
E10-100	BLDG 1000 - ELECTRICAL PLAN
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E403	PANEL SCHEDULES
E404	PANEL SCHEDULES
E405	PANEL SCHEDULES
E406	PANEL SCHEDULES
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FD1.5-100	BLDG 150 - FIRE ALARM PLAN - DEMO
FD2-100	BLDG 200 - FIRE ALARM PLAN - DEMO
FD3-100	BLDG 300 - FIRE ALARM PLAN - DEMO
FD4-100	BLDG 400 - FIRE ALARM PLAN - DEMO
FD5-100	BLDG 500 - FIRE ALARM PLAN - DEMO
FD6-100	BLDG 600 - FIRE ALARM PLAN - DEMO
FD7-100	BLDG 700 - FIRE ALARM PLAN - DEMO
FD8-100	BLDG 800 - FIRE ALARM PLAN - DEMO
FD9-100	BLDG 900 - FIRE ALARM PLAN - DEMO
FD10-100	BLDG 1000 - FIRE ALARM PLAN - DEMO
F0-100	FIRE ALARM SITE PLAN
F1-100	BLDG 100 - FIRE ALARM PLAN
F1-101	BLDG 100 - ROOF FIRE ALARM PLAN
F1.5-100	BLDG 150 - FIRE ALARM PLAN
F1.5-101	BLDG 150- ROOF FIRE ALARM PLAN
F2-100	BLDG 200 - FIRE ALARM PLAN
F2-101	BLDG 200- ROOF FIRE ALARM PLAN
F3-100	BLDG 300 - FIRE ALARM PLAN
F3-101	BLDG 300- ROOF FIRE ALARM PLAN
F4-100	BLDG 400 - FIRE ALARM PLAN
F4-101	BLDG 400- ROOF FIRE ALARM PLAN
F5-100	BLDG 500 - FIRE ALARM PLAN
F5-101	BLDG 500- ROOF FIRE ALARM PLAN
F6-100	BLDG 600 - FIRE ALARM PLAN
F6-101	BLDG 600- ROOF FIRE ALARM PLAN
F7-100	BLDG 700 - FIRE ALARM PLAN
F7-101	BLDG 700- ROOF FIRE ALARM PLAN
F8-100	BLDG 800 - FIRE ALARM PLAN
F8-101	BLDG 800- ROOF FIRE ALARM PLAN
F9-100	BLDG 900 - FIRE ALARM PLAN
F9-101	BLDG 900- ROOF FIRE ALARM PLAN
F10-100	BLDG 1000 - FIRE ALARM PLAN
F10-101	BLDG 1000 - ROOF FIRE ALARM PLAN
F0-200	FIRE ALARM RISER DIAGRAM
F0-201	FIRE ALARM RISER DIAGRAMS
F0-202	FIRE ALARM RISER DIAGRAMS
F0-203	FIRE ALARM RISER DIAGRAMS
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09 - SHADE STRUCTURE CST-ARC-35X20X10

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SS1-2	GENERAL NOTES
SS1-3	SPECIFICATIONS
SS1-4	SUPPLIER SPECIFICATIONS
SS1-5	FABRIC SPECIFICATIONS
SS1-6	PLAN AND ELEVATIONS
SS1-7	FRAMING & FABRIC CONNECTION DETAILS
SS1-8	FOUNDATION PLAN AND DETAILS

09 - SHADE STRUCTURE CST-ARC-35X20X10: 8

10 - SHADE STRUCTURE CST-ARC-22X11X12

SS2-1	COVER SHEET
SS2-2	GENERAL NOTES
SS2-3	SPECIFICATIONS
SS2-4	SUPPLIER SPECIFICATIONS
SS2-5	FABRIC SPECIFICATIONS
SS2-6	PLAN AND ELEVATIONS
SS2-7	FRAMING & FABRIC CONNECTION DETAILS
SS2-8	FOUNDATION PLAN AND DETAILS

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PC102	MARQUEE - STRUCTURAL NOTES & SPECIAL INSPECTIONS
PC103	MARQUEE - TESTING AND INSPECTIONS
PC104	MARQUEE - TWO COLUMN CAISSON - BOLTED
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PC202	HYPER SHADE STRUCTURE - T&I GUIDELINE
PC203	HYPER SHADE STRUCTURE - STRUCTURAL NOTES
PC204	HYPER SHADE STRUCTURE - STRUCTURAL NOTES
PC205	HYPER SHADE STRUCTURE - STRUCTURAL ABBREVIATIONS
PC206	HYPER SHADE STRUCTURE - PLANS & ELEVATIONS
PC207	HYPER SHADE STRUCTURE - DETAILS
PC208	HYPER SHADE STRUCTURE - DETAILS

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13 - DSA A#02-122398 PC CANTILEVER UMBRELLA SHADE

PC301	CANTILEVER UMBRELLA - TITLE SHEET
PC302	CANTILEVER UMBRELLA - ELEVATION DETAILS
PC303	CANTILEVER UMBRELLA - TYPICAL CANOPY DETAILS
PC304	CANTILEVER UMBRELLA - REFERENCE TABLES
PC305	CANTILEVER UMBRELLA - SPECIFICATION INFORMATION
PC306	CANTILEVER UMBRELLA - TESTS & INSPECTIONS

13 - DSA A#02-122398 PC CANTILEVER UMBRELLA SHADE: 6

TOTAL SHEETS: 644

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All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

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SWEETWATER UNION HIGH SCHOOL DISTRICT

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
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DSA BACKCHECK

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SHEET INDEX

G001

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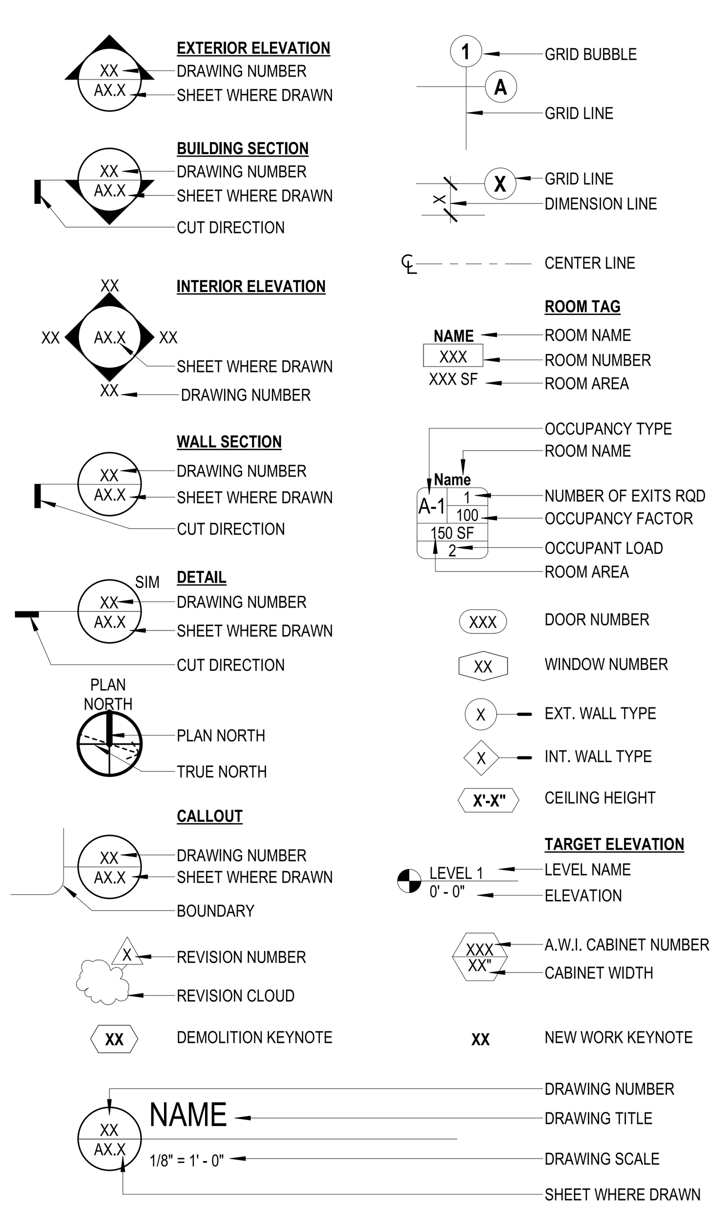
ABBREVIATIONS

A/C	AIR CONDITIONING
ADJ.	ADJACENT
ALUM.	ALUMINUM
BD.	BOARD
C.J.	CONTROL JOINT
CLG.	CEILING
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
CP	CARPET
CORR.	CORRIDOR
CT	CERAMIC TILE
DET.	DETAIL
D.F.	DRINKING FOUNTAIN
DIA.	DIAMETER
DN	DOWN
D.S.	DOWN SPOUT
DWG	DRAWING
E	EAST
EA.	EACH
E.G.	EXISTING GRADE
E.J.	EXPANSION JOINT
EL.	ELEVATION (VERTICAL)
ELEC	ELECTRICAL
EQ.	EQUAL
E.W.C.	ELECTRIC WATER COOLER
EXP.	EXPANSION
EXST.	EXISTING
EXT.	EXTERIOR
F.D.	FLOOR DRAIN
F.E.(C)	FIRE EXTINGUISHER (CABINET)
F.E.(S)	FIRE EXTINGUISHER (SURFACE)
F.F.	FINISH FLOOR
F.F.E.	FINISH FLOOR ELEVATION
F.H.	FIRE HYDRANT
FIN.	FINISH
FIXT.	FIXTURE
FLOUR.	FLOURESCENT
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
FT.	FOOT, FEET
GA.	GAUGE
GALV.	GALVANIZED
GR.	GRADE
GYP.	GYPSUM
H.M.	HOLLOW METAL
HORZ.	HORIZONTAL
HR.	HOUR
HT.	HEIGHT
I.D.	INSIDE DIAMETER
INSUL.	INSULATION
JAN.	JANITOR
LAM.	LAMINATED
LAV.	LAVATORY
LIN.	LINOLEUM
MAS.	MASONRY
MAX.	MAXIMUM
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
MTL.	METAL
MOIST.	MOISTURE
N	NORTH
N.I.C.	NOT IN CONTRACT
NO	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OVERFLOW DRAIN
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
O.F.O.I.	OWNER FURNISHED OWNER INSTALLED
OPNG.	OPENING
OPP.	OPPOSITE (CONDITION)
OSB	ORIENTED STRAND BOARD
PART.	PARTITION
PC.	PEICE
PERP.	PERPENDICULAR
P.I.V.	POST INDICATOR VALVE
PL	PLATE
PLUM.	PLUMBING
PLYWD.	PLYWOOD
PT	PAINT
P.V.C.	POLYVINYL CHLORIDE
P.T.	PRESSURE TREATED
R.D.	ROOF DRAIN
RM.	ROOM
R.O.	ROUGH OPENING
S	SOUTH
S.C.	SOLID CORE
SEP.	SEPERATION
SHTG.	SHEATHING
SHT.	SHEET
SIM.	SIMILIAR
S.S.	STAINLESS STEEL
STD.	STANDARD, STAND
STL.	STEEL
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
TEMP.	TEMPORARY
T.O.	TOP OF
T.O.M.	TOP OF MASONRY
T.R.	TOILET ROOM
T.S.	TUBE STEEL
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
VERT. (V)	VERTICAL
V.I.F.	VERIFY IN FIELD
V.T.	VINYL TILE
VLT.	VAULT
W	WEST
WD.	WOOD
WDW.	WINDOW
W.I.	WOOD INSTITUTE
W/O	WITHOUT
WP.	WATERPROOFING

SYMBOLS



TITLE 24 NOTES

GENERAL

GENERAL

1. ALL BUILDINGS, STRUCTURES, SIDEWALKS, CURBS, AND RELATED FACILITIES SHALL BE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES PER CCR (CAC) TITLE 24, THE 2010 AMERICANS WITH DISABILITIES ACT, TITLE 3.
2. ALL PRIMARY ENTRANCES SHALL BE ACCESSIBLE.
3. HAZARDS;
   A. HEADROOM OF 80" MIN. SHALL BE MAINTAINED FOR WALKS, CORRIDORS, AISLES, ETC.
   B. OBJECTS WITH PROTRUDING EDGES BELOW 27" ABOVE FINISHED FLOOR MAY PROTRUDE ANY AMOUNT.
   C. FREESTANDING OBJECTS MOUNTED ON POSTS BETWEEN 27" AND 80" ABOVE THE FLOOR MAY PROJECT A MAXIMUM OF 12".
   D. ABRUPT CHANGES IN LEVEL EXCEEDING 4" ADJACENT TO WALKS, EXCEPT BETWEEN WALKS AND ADJACENT STREETS OR DRIVES, SHALL BE IDENTIFIED BY 6" HIGH WARNING CURBS ABOVE WALK SURFACE.
4. ELECTRICAL REQUIREMENTS
   A. BOTTOM OF 15, 20 AND 30 AMP OUTLETS SHALL BE 15" ABOVE THE FLOOR.
   B. TOP OF SWITCH SHALL BE LOCATED NOT LESS THAN 36" NOR MORE THAN 48" ABOVE THE FLOOR.

ACCESSIBILITY

ENTRANCES, EXITS, DOORS & AREAS FOR EVACUATION ASSISTANCE

1. ALL ENTRANCES AND ALL EXTERIOR GROUND-FLOOR EXIT DOORS TO BUILDINGS AND FACILITIES SHALL BE MADE ACCESSIBLE TO PERSONS WITH DISABILITIES. CBC SEC. 11B-206.2.1
2. DURING PERIODS OF PARTIAL OR RESTRICTED USE OF A BUILDING OR FACILITY, THE ENTRANCES USED FOR PRIMARY ACCESS SHALL BE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES.
3. THE WIDTH AND HEIGHT OF DOORWAYS: EVERY REQUIRED EXIT DOORWAY WITHIN AN ACCESSIBLE PATH OF TRAVEL SHALL PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3'-0" WIDE AND NOT LESS THAN 6'-8" HIGH. EXIT DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND PROVIDE NOT LESS THAN 32" CLEAR WIDTH. CBC SEC. 11B-404.2.3
4. FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. CBC SEC. 11B-404.2.3
5. WHERE A PAIR OF DOORS IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. CBC SEC. 11B-404.2.3
6. MINIMUM MANEUVERING CLEARANCES AT SWINGING DOORS SHALL BE AS SHOWN IN CBC FIGURE 11B-404.2.4.1. THE FLOOR OR GROUND AREA WITHIN THE REQUIRED CLEARANCES SHALL BE LEVEL AND CLEAR. CBC SEC. 11B-404.2.4
7. THERE SHALL BE A LEVEL AND CLEAR FLOOR OF LANDING ON EACH SIDE OF A DOOR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60" AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48" AS MEASURED AT RIGHT ANGLE TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION.
8. THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND A MINIMUM OF 24" PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND A MINIMUM OF 18" PAST THE STRIKE EDGE FOR INTERIOR DOORS. ADDITIONAL 12" IS REQUIRED AT THE PUSH SIDE, IF DOOR IS EQUIPPED WITH BOTH LATCH AND CLOSER. CBC SEC. 11B-404.2.4 AND FIGURE 11B-404.2.4.1
9. THE FLOOR OR LANDING SHALL BE NOT MORE THAN ½" LOWER THAN THRESHOLD OF THE DOORWAY. CBC SEC. 11B-404.2.5
10. THE SPACE BETWEEN TWO CONSECUTIVE DOOR OPENINGS IN A VESTIBULE, SERVING OTHER THAN A REQUIRED EXIT STAIRWAY, SHALL PROVIDE A MINIMUM OF 48" OF CLEAR SPACE FROM ANY DOOR OPENING INTO SUCH VESTIBULE WHEN THE DOOR IS POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. DOORS IN A SERIES SHALL SWING EITHER IN THE SAME DIRECTION OF AWAY FROM THE SPACE BETWEEN THE DOORS. SEE FIGURE 11B-404.2.6. CBC SEC. 11B-404.2.6
11. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS, AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. ON CASE-BY-CASE BASIS WHEN IDENTIFIED IN THE PLANS, WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MAXIMUM ALLOWABLE BY DSa, NOT TO EXCEED 15 POUNDS. CBC SEC. 11B-404.2.9
12. DOOR CLOSERA AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM. CBC SEC. 11B-404.2.8.1
13. LATCHING AND LOCKING HAND-ACTIVATED DOORS IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATION BARS, OR THEIR HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION. CBC SEC. 11B-309.4
14. HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34"AND 44" ABOVE THE FLOOR. CBC SEC 11B-404.2.7
15. THE BOTTOM 10" HIGH OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION WHERE NARROW FRAME DOORS ARE USED, A 10"HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR. CBC SEC. 11B-404.2.10
16. RECESSED DOORMATS SHALL BE ADEQUATELY ANCHORED TO PREVENT INTERFERENCE WITH WHEELCHAIR TRAFFIC. CBC SEC. 11B-302.1

STAIRWAYS AND HANDRAILS

1. TOP OF THE GRIPPING SURFACE OF HANDRAILS SHALL BE 34" TO 38" ABOVE THE NOSING OF THE TREADS. CBC SEC. 11B-505.4 AND FIGURE 11B-505.4
2. HANDRAILS SHALL EXTEND A MINIMUM OF 12" BEYOND THE TOP NOSING AND 12" PLUS THE TREAD WIDTH BEYOND THE BOTTOM NOSING. CBC SEC. 11B-505.10
3. HANDRAILS PROJECTING FROM A WALL SHALL HAVE A SPACE OF 1-1/2" BETWEEN THE WALL AND THE HANDRAIL. HANDRAILS MAY BE LOCATED IN A RECESS IF THE RECESS IS A MAXIMUM OF 3" DEEP AND EXTENDS AT LEAST 18" ABOVE THE TOP OF THE RAIL. HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS. CBC SEC. 11B-505.5 AND FIGURE 11B-505.5
4. THE HANDGRIP PORTION OF HANDRAILS SHALL BE NOT LESS THAN 1-1/4" NOR MORE THAN 1-1/2 INCHES IN CROSS-SECTIONAL NOMINAL DIMENSION OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. CBC SEC. 11B-505.6
5. MARK THE UPPER APPROACH AND THE LOWER TREAD OF EACH STAIR BY A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2" WIDE AND PLACED PARALLEL TO AND NOT MORE THAN 1" FROM THE NOSE OF THE STAIR LANDING. THE STRIP SHALL EXTEND THE FULL WIDTH OF THE STAIR. THE STRIP SHALL BE AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR. CBC SEC. 11B-504.4.1
6. FOR STAIRS THAT OCCUR OUTSIDE THE BUILDING, MARK THE UPPER APPROACH AND ALL TREADS AS NOTED IN ITEM ABOVE.
7. PROVIDE TREAD SURFACES THAT ARE SLIP RESISTANT WITH A 1/2" MAXIMUM ROUNDED OR CHAMFERED EXPOSED EDGES AND NO ABRUPT EDGES AT THE NOSING. CBC SEC. 11B-504.5
8. MAINTAIN NOSING PROJECTION TO NO MORE THAN 1-1/4" PAST THE FACE OF THE RISER BELOW. CBC SEC. 11B-504.5
9. PROVIDE RISERS THAT ARE SUFFICIENTLY SOLID TO PREVENT THE PASSAGE OF OBJECTS LARGER THAN 1/2" (OPEN RISERS ARE NOT PERMITTED). CBC SEC. 11B-504.3

FURNISHINGS

1. OPERABLE PARTS FOR ALL ACCESSIBLE CASEWORK SHALL COMPLY WITH CBC SEC. 11B-309

SANITARY FACILITIES

SANITARY FACILITIES

A. GENERAL

1. SANITARY FACILITIES THAT SERVE BUILDINGS, FACILITIES OR PORTIONS OF BUILDINGS OR FACILITIES THAT ARE REQUIRED TO BE ACCESSIBLE TO PERSONS WITH DISABILITIES ARE REQUIRED TO BE ACCESSIBLE. CBC SEC. 11B-213.2
2. WHERE SEPARATE FACILITIES ARE PROVIDED FOR PERSONS OF EACH SEX, SEPARATE FACILITIES SHALL BE PROVIDED FOR PERSONS WITH DISABILITIES OF EACH SEX ALSO. WHERE UNISEX FACILITIES ARE PROVIDED, THESE FACILITIES SHALL BE ACCESSIBLE TO PERSONS WITH DISABILITIES. CBC SEC. 11B-213.2
3. DOORWAYS LEADING TO MEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY AN EQUILATERAL TRIANGLE ¼"THICK WITH EDGES 12" LONG AND A VERTEX POINTING UPWARD. WOMEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE ¼" THICK AND 12" IN DIAMETER. GEOMETRIC (CIRCLE AND TRIANGLE) SYMBOLS ON SANITARY FACILITY DOORS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 60" AND THEIR COLOR AND CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR. CBC SEC. 11B-703.7.2.6
4. ADDITIONAL SIGNAGE REQUIREMENTS: RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY GRADE 2 BRAILLE IN CONFORMANCE WITH CBC SEC. 11B-703.3. CHARACTERS ON SIGNS SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE COMPLYING WITH SEC. 11B-703.3. THEY SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3 INCHES OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR. CBC SEC. 11B-703.4.2 AND FIGURE 11B-703.4.1

B. SINGLE ACCOMMODATION SANITARY FACILITIES

1. THERE SHALL BE SUFFICIENT SPACE IN THE TOILET ROOM FOR A WHEELCHAIR MEASURING 30" WIDE BY 48" LONG TO ENTER THE ROOM AND PERMIT THE DOOR TO CLOSE. CBC SEC. 11B-603.2
2. THERE SHALL BE IN THE ROOM A CLEAR FLOOR SPACE OF AT LEAST 60" IN DIAMETER, OR A T-SHAPED SPACE COMPLYING WITH FIGURES 11B-12 (A) AND (B). NO DOOR SHALL ENCROACH INTO THIS SPACE FOR MORE THAN 12" CBC SEC. 11B-603.2.3 EXCEPTION 2
3. THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTER LINE OF THE WATER CLOSET SHALL BE 17 INCHES MINIMUM TO 18 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION. WATER CLOSETS SHALL BE ARRANGED FROM A LEFT-HAND OR RIGHT-HAND APPROACH. CBC SEC. 11B-604.2
4. CLEARANCE AROUND A WATER CLOSET SHALL BE 60 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE SIDE WALL AND 56 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL. A MINIMUM 60 INCHES WIDE AND 48 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET. CBC SEC. 11B-604.3.1

C. MULTIPLE ACCOMMODATION SANITARY FACILITIES

1. A CLEAR SPACE MEASURED FROM THE FLOOR TO A HEIGHT OF 27" ABOVE THE FINISHED FLOOR. WITHIN THE SANUTARY FACILITY ROOM, OF SUFFICIENT SIZE TO INSCRIBE A CIRCLE WITH A DIAMETER NOT LESS THAN 60", SHALL BE PROVIDED FOR WHEELCHAIR MANEUVERING. DOORS OTHER THAN THE DOOR TO THE ACCESSIBLE TOILET COMPARTMENT IN ANY POSITION MAY ENCROACH INTO THIS SPACE BY NOT MORE THAN 12". CBC SEC. 11B-603.2
2. THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTER-LINE OF THE WATER CLOSET SHALL BE 17 INCHES MINIMUM TO 18 INCHES MAXIMUM FROMT HE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFICED IN SECTION 11B-604.8.2. WATER CLOSETS SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-HAND APPROACH. CBC SEC. 11B-604.2
3. CLEARANCES AROUND WATER CLOSETS AND IN TOILET COMPARTMENTS SHALL COMPLY WITH SECTION CBC SEC 11B-604.3.
4. A MINIMUM 48" LONG CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET IF THE COMPARTMENT HAS AN END OPENING DOOR AND A MINIMUM 60" LONG CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET IF THE COMPARTMENT HAS A DOOR LOCATED AT THE SIDE. GRAB BARS SHALL NOT PROJECT MORE THAN 3" INTO THESE CLEAR SPACES. ACCESSIBLE WATER CLOSET STALLS SHALL BE 60" WIDE MINIMUM. CBC SEC. 11B-604.8.1.1.2 AND 11B-604.8.1.1.3
5. WATER CLOSET COMPARTMENTS SHALL BE EQUIPED WITH A DOOR THAT HAS AN AUTOMATICE CLOSING DEVICE AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDE OF 32" WHEN LOCATED AT THE END AND 34" WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. CBC SEC. 11B-604.8.2.1
6. THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHAL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING, OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST. THE LATCH SHALL BE MOUNTED BETWEEN 34" AND 44" AFF. CBC SEC. 11B-604.8.1.2
7. EXCEPT FOR DOOR OPENING WIDTHS AND DOOR SWINGS, A CLEAR UNOBSTRUCTED ACCESS NOT LESS THAN 44" SHALL BE PROVIDED TO WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DIABILITIES AND THE SPACE IMMEDIATEY IN FRON OF A WATER CLOSET COMPARTMENT SHALL NOT BE LESS THAN 48" AS MEASURED AT THE RIGHT ANGLE TO COMPARTMENT DOOR IN ITS CLOSED POSITION. CBC SEC. 11B-604.8.1.2 AND 11B-403.5.1 EXCEPTION 5
8. WHEN SIX OR MORE STALLS ARE PROVIDED WITHIN A MULTIPLE ACOMODATION TOILET ROOM, IN ADDITION OTHE STANDARD ACCESSIBLE STALL REQUIRED, AT LEAST ONE ADDITIONAL STALL SHALL BE PROVIDED WITH A CLEAR WIDTH OF 35"-37" WITH AN OUTWARD SWINGING, SELF-CLOSING DOOR AND PARALLETE GRAB BARS. CBC SEC. 11B-604.8.2

D. SANITARY FACILITY FIXTURES AND ACCESSORIES

1. THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17" AND A MAXIMUM OF 19" MEASURED TO THE TOP OF A MAXIMUM 2" HIGH TOILET SEAT, EXCEPT THAT 3" SEATS SHALL BE PERMITTED ONLY IN ALTERATIONS WHERE THE EXISTING FIXTURE IS LESS THAN 15" HIGH. CBC SEC. 11B-604.4
2. A CLEAR FLOOR SPACE 30" BY 48" SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW A FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND SHALL EXTEND INTO KNEE AND TOE SPACE UNDERNEATH THE LAVATORY. CBC SEC. 11B-305 AND 11B-306 AND 11B-606.2
3. LAVATORIES ADJACENT TO A WALL OR PARTITION SHALL BE MOUNTED WITH A MINIMUM DISTANCE OF 18" TO THE CENTERLINE OF THE FIXTURE. CBC SEC 11B-606.6
4. ALL LAVATORIES THAT ARE DESIGNED TO BE ACCESSIBLE SHALL BE MOUNTED WITH THE RIM OR COUNTER EDGE NO HIGHER THAN 34" ABOVE THE FINISHED FLOOR AND VERTICAL CLEARANCE MEASURED FROM THE BOTTOM OF THE APRON OR OUTSIDE BOTTOM EDGE OF THE LAVATORY OF 29" REDUCING TO 27" AT A POINT LOCATED 8" BACK FROM THE FRONT EDGE. CBC SEC 11B-606.3 AND FIG 11B-306.3
5. WATER SUPPLY AND DRAINPIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES. CBC 11B-606.5
6. WHERE URINALS ARE PROVIDED, AT LEAST ONE SHALL HAVE A CLEAR FLOOR SPACE 30" BY 48" IN FRONT OF THE URINAL TO ALLOW FORWARD APPROACH. CLEAR SPACE SHALL COMPLY WITH CBC SEC.11B-305 AND 11B-605.3
7. WHERE ONE OR MORE URINALS ARE PROVIDED, AT LEAST ONE WITH A RIM PROJECTING A MINIMUM OF 13 1/2" FROM THE WALL AND AT A MAXIMUM OF 17" ABOVE THE FLOOR SHALL BE PROVIDED. CBC SEC. 11B-605.2
8. CONTROLS FOR WATER CLOSET FLUSH VALVES SHALL BE MOUNTED ON THE OPEN SIDE OF A WATER CLOSET. CBC SEC. 11B-604.9.5
9. WATER CLOSET AND URINAL FLUSH VALVE CONTROLS, AND FAUCET AND OPERATING MECHANISM CONTROLS, SHALL BE OPERABLE WITH ONE HAND, SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST, AND SHALL BE MOUNTED NO MORE THAN 44" ABOVE THE FLOOR. CBC SEC. 11B-309.2, 11B-309.4, 11B-604.6 AND 11B-605.4
10. THE FORCE REQUIRED TO ACTIVATE WATER CLOSET AND URINAL FLUSH VALVE CONTROLS, AND FAUCET AN OPERATING MECHANISM CONTROLS, SHALL BE NOT GREATER THAN 5 POUNDS. CBC SEC. 11B-309.4. SELF-CLOSING FAUCET CONTROLS VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS. CBC SEC. 11B-606.4
11. MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE NO HIGHER THAN 40" FROM THE FLOOR IF LOCATED ABOVE ACCESSIBLE LAVATORIES OR COUNTERTOPS. CBC SEC. 11B-603.3
12. TOILET PAPER DISPENSERS SHALL COMPLY WITH SECTION 11B-309.4 AND SHALL BE 7 INCHES MINIMUM AND 9 INCHES MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE BELOW THE GRAB BAR, 19 INCHES MINIMUM ABOVE THE FINISH FLOOR AND SHALL NOT BE LOCATED BEHIND GRAB BARS. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROLS DELIVERY OR THAT DOES NOT ALLOW CONTINUOUS PAPER FLOW. CBC 11B-604.7
13. FLOOR AND GROUND SURFACE SHALL BE STABLE, FIRM, AND SLIP RESISTANT AND SHALL COMPLY WITH. CBC SEC 11B-302

E. GRAB BARS

1. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH SECTION 11B-609. GRAB BARS SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL. CBC SEC.11B-604.5
2. THE SIDE WALL GRAB BAR SHALL BE 42 INCHES LONG MINIMUM, LOCATED 12 INCHES MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES MINIMUM FROM THE REAR WALL WITH THE FRONT END POSITIONED 24 INCHES MINIMUM IN FRONT OF THE WATER CLOSET. THE REAR WALL GRAB BAR SHALL BE 36 INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES MINIMUM ON ONE SIDE AND 24 INCHES MINIMUM ON THE OTHER SIDE. CBC SEC. 11B-604.5.1 AND 2 AND FIG. 11B-604.5.1 AND 11B-604.5.2
3. GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33 INCHES MINIMUM AND 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE. CBC SEC. 11B-609.4
4. GRAB BARS WITH CIRCULAR CROSS SECTIONS SHALL HAVE AN OUTSIDE DIAMETER OF 1 1/4" INCHES MINIMUM AND 2 INCHES MAXIMUM. 11B-609.2.1
5. THE STRUCTURAL STRENGTH OF GRAB BARS, TUB AND SHOWER SEATS, FASTENERS, AND MOUNTING DEVICES SHALL MEET THE SPECIFICATIONS OF CBC SEC. 11B-609.8 AND 11B-610.4
6. THE GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8". CBC SEC. 11B-609.5

DRINKING FOUNTAINS

1. WHEN MORE THAN ONE DRINKING FOUNTAIN AREA IS PROVIDED ON A FLOOR, AT LEAST ONE LOW DRINKING FOUNTAIN MUST BE PROVIDED IN CLOSE PROXIMITY TO OTHERS. LOW DRINKING FOUNTAINS MUST MEET THE PROVISIONS OF CBC SEC. 11B-602.1 THROUGH 11B-602.6.
2. DRINKING FOUNTAINS SHALL BE LOCATED COMPLETELY WITHIN ALCOVES OR OTHERWISE POSITIONED SO AS NOT TO ENCROACH INTO PEDESTRIAN WAYS. THE ALCOVE IN WHICH THE DRINKING FOUNTAIN IS LOCATED SHALL BE NOT LESS THAN 32" IN WIDTH AND 18" IN DEPTH. CBC SEC. 11B-602.9.
3. UNITS SHALL HAVE A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 11B-305 POSITIONED FOR A FORWARD APPROACH AND CENTERED ON THE UNIT. KNEE AND TOE CLERANCE COMPLYING WITH SECTION 11B-306 SHALL BE PROVIDED..
4. OPERABLE PARTS SHALL COMPLY WITH SECTION 11B-309. THE FLOW OF WATER SHALL BE ACTIVATED BY A MANUALLY OPERATED SYSTEM THAT IS FRONT MOUNTED OR SIDE MOUNTED AND LOCATED WITHIN 6 INCHES OF THE FRONT EDGE OF THE FOUNTAIN OR AN AUTOMATIC ELECTRONICALLY CONTROLLED DEVICE. CBC SEC. 11B-602.3.
5. SPOUT OUTLETS SHALL BE 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. THE SPOUT SHALL BE LOCATED 15 INCHES MINIMUM FROM THE VERTICAL SUPPORT AND 5 INCHES MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS. CBC SEC. 11B-602.4 AND 11B-602.5.

SECTION 5.409.3 PRODUCT GWP COMPLIANCE PRESCRIPTIVE PATH

PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE DECLARATION STATEMENT:

I ATTEST THAT PRESCRIPTIVE COMPLIANCE HAS BEEN MET ACCORDING TO THE REQUIREMENTS OF TITLE 24, PART 11 (CALGREEN) SECTION 5.409.3 AND PRODUCTS SPECIFIED DO NOT EXCEED THE GLOBAL WARMING POTENTIAL AS SPECIFIED IN CALGREEN TABLE 5.409.3. FURTHERMORE, I WILL ENSURE DURING CONSTRUCTION THAT THE MATERIAL SPECIFICATIONS WILL BE REVIEWED FOR SUBSTANTIAL CONFORMANCE WITH THE GLOBAL WARMING POTENTIAL LIMITS INDICATED ON THE APPROVED DOCUMENTS.

DATE 09/05/2025

ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE

EDWARD HOLAKIEWICZ

C31100 — LICENSE NUMBER

JUNE 30, 2027 — EXPIRATION DATE

FIRE LIFE SAFETY NOTES

1. ALL CLASSROOMS WILL BE EQUIPED WITH A FIRE EXTINGUISHER.
2. REFER TO FIRE ALARM SHEETS FOR ADDITIONAL INFORMATION.
3. CLASSROOM WINDOWS WILL NOT HAVE BARS NOT METAL GRILLES. SCHOOL CLASSROOMS CONSTRUCTED AFTER JANUARY 1, 1990, NOT EQUIPPED WITH AUTOMATIC SPRINKLERS SYSTEMS, WHICH HAVE METAL GRILLES OR BARS ON ALL THEIR WINDOWS AND DO NOT HAVE AT LEAST TWO EXIT DOORS WITHIN 3 FEET (914 MM) OF EACH END OF THE CLASSROOM OPENING TO THE EXTERIOR OF THE BUILDING OR TO A COMMON HALLWAY USED FOR EVACUATION PURPOSES, SHALL HAVE AN INSIDE RELEASE FOR THE GRILLES OR BARS ON AT LEAST ONE WINDOW FARTHEST FROM THE EXIT DOORS. THE WINDOW OR WINDOWS WITH THE INSIDE RELEASE SHALL BE CLEARLY MARKED AS EMERGENCY EXITS. (CBC 1010.2.8.1)
4. IN GROUP E CURTAINS, DRAPERIES, FABRIC HANGINGS AND OTHER SIMILAR COMBUSTIBLE DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL COMPLY WITH SECTION 807.3 AND SHALL NOT EXCEED 10 PERCENT OF THE SPECIFIC WALL OR CEILING AREA TO WHICH SUCH MATERIALS ARE ATTACHED. (CFC 807.2).
5. DECORATIVE MATERIALS: IN GROUP E OCCUPANCY, ALL DRAPES, CURTAINS, DROPS AND ALL OTHER DECORATIVE MATERIAL, INCLUDING CHRISTMAS TREES, THAT WOULD TEND TO INCREASE THE FIRE AND PANIC HAZARD SHALL BE MADE FROM A NONFLAMMABLE MATERIAL, OR SHALL BE TREATED AND MAINTAINED IN A FLAME-RETARDANT CONDITION BY MEANS OF A FLAME-RETARDANT SOLUTION OR PROCESS APPROVED BY THE STATE FIRE MARSHAL, AS SET FORTH IN CALIFORNIA CODE OF REGULATIONS, TITLE 19, DIVISION 1, CHAPTER 8. EXITS, EXIT LIGHTS, FIRE ALARM SENDING STATIONS, WET STANDPIPE HOSE CABIENTS AND FIRE EXTINGUISHER LOCATIONS SHALL NOT BE CONCEALED, IN WHOLE OR IN PART, BY ANY DECORATIVE MATERIAL. (CFC 807.2)
6. MEANS OF EGRESS DOORS SHALL BE MAINTAINED IN SUCH A MANNER AS TO BE DISTINGUISHABLE FROM THE ADJACENT CONSTRUCTION AND FINISHES SUCH THAT THE DOORS ARE EASILY RECOGNIZABLE AS DOORS. FURNISHINGS, DECORATIONS OR OTHER OBJECTS SHALL NOT BE PLACED SO AS TO OBSTRUCT EXITS, ACCESS THERETO, EGRESS THEREFROM, OR VISIBILITY THEREOF. HANGING AND DRAPERIES SHALL NOT BE PLACED OVER EXIT DOORS OR OTHERWISE BE LOCATED TO CONCEAL OR OBSTRUCT AN EXIT. MIRRORS SHALL NOT BE PLACED ON EXIT DOORS. MIRRORS SHALL NOT BE PLACED IN OR ADJACENT TO ANY EXIT IN SUCH A MANNER AS TO CONFUSE THE DIRECTION OF EGRESS. (CFC 1032.6)
7. EVERY PERSON AND PUBLIC OFFICER MANAGING, CONTROLLING OR IN CHARGE OF ANY PUBLIC, PRIVATE OR PAROCHIAL SCHOOL, OTHER THAN A TWO-YEAR COMMUNITY COLLEGE, SHALL CAUSE THE FIRE ALARM SIGNAL TO BE SOUNDED NOT LESS THAN ONCE EVERY CALENDAR MONTH AT THE ELEMENTARY AND INTERMEDIATE LEVELS, AND NOT LESS THAN TWICE YEARLY AT THE SECONDARY LEVEL IN THE MANNER PRESCRIBED IN SECTION 907. A FIRE DRILL SHALL BE HELD AT THE SECONDARY LEVEL NOT LESS THAN TWICE EVERY SCHOOL YEAR (CFC 403.4.1)
8. EMERGENCY PRE-FIRE PLANNING: EACH SCHOOL PRINCIPAL, DISTRICT SUPERINTENDENT OR DAY NURSERY MANAGER SHALL, IN COOPERATION WITH THE ENFORCING AGENCY, PREPARE PROCEDURES TO BE FOLLOWED IN CASE OF FIRE OR OTHER EMERGENCY. THEY SHOULD INCLUDE THE FOLLOWING (CFC 403.1.1):
   1. POSTING OF THE TELEPHONE NUMBER OF THE FIRE DEPARTMENT IN THE OFFICE AND/ OR AT THE MAIN SWITCHBOARD.
   2. ASSIGNMENT OF A RESPONSIBLE PERSON TO CALL THE FIRE DEPARTMENT UPON NOTIFICATION OF ANY FIRE OR ACTIVATION OF THE ALARM SYSTEM FOR ANY REASON OTHER THAN FIRE DRILLS.
   3. POSTING IN A CONSPICUOUS PLACE IN EACH CLASSROOM OR ASSEMBLY AREA A PLAN SHOWING PATHS OF TRAVEL TO EVACUATE THE ROOM IN CASE OF EMERGENCY AND INCLUDING AN ALTERNATE ROUTE.
   4. POSTING IN EACH CLASSROOM INSTRUCTIONS TO BE FOLLOWED BY THE TEACHER. THERE SHOULD INCLUDE:
      A. MAINTAINING OF ORDER DURING EVACUATION.
      B. REMOVAL OF ROLL CALL BOOK AND CALLING OF ROLL WHEN DESIGNATED EVACUATINO AREA IS REACHED.

GENERAL NOTES

GENERAL PROVISIONS

1. ALL WORK SHALL COMPLY WITH THE LATEST CODES AND STANDARDS, AS ADOPTED BY THE GOVERNING AUTHORITIES, INCLUDING BUT NOT LIMITED TO:
   - CALIFORNIA BUILDING CODE (CBC)
   - UNIFORM PLUMBING CODE (UPC)
   - UNIFORM MECHANICAL CODE (UMC)
   - NATIONAL ELECTRIC CODE (NEC)
   - TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE
2. THE DRAWINGS REFLECT GENERAL ARRANGEMENT, DESIGN AND EXTENT OF WORK, AND ARE NOT TO BE SCALED FOR MEASUREMENTS. THE DRAWINGS ARE PARTLY DIAGRAMMATIC AND ARE NOT INTENDED TO BE AN EXACT REPRESENTATION OF FIELD CONDITIONS OR TO SERVE AS THE CONTRACTOR'S SHOP DRAWINGS.
3. AT ANY TIME SHOULD CONDITIONS ARISE WHEREIN THE INTENT OF THE DRAWINGS ARE IN DOUBT, OR WHERE THE DRAWINGS ARE IN CONFLICT WITH EACH OTHER, OR WHERE THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND FIELD CONDITIONS, THE ARCHITECT SHALL BE NOTIFIED AT ONCE FOR CLARIFICATION.
4. "EXISTING", "(±)", "SIZE TO FIT", "VERIFY IN FIELD", AND SIMILAR PHRASES REQUIRE THE CONTRACTOR TO VERIFY AND COORDINATE DIMENSIONS AND CONDITIONS INDICATED IN THE DRAWINGS WITH THE ACTUAL FIELD CONDITIONS. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT FOR DIRECTION ON HOW TO PROCEED.
5. FLOOR PLAN DIMENSIONS SHOWN ARE TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
6. REFER TO ELECTRICAL DRAWINGS FOR EQUIPMENT ANCHORAGE, LIGHTING, AND POWER REQUIREMENTS.
7. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.

CONTRACTOR RESPONSIBILITY

1. CONTRACTOR SHALL CONTACT OWNER 48 HOURS IN ADVANCE OF ANY RESTRICTION OF OWNER ACCESS OR UTILITY OUTAGES. AUTHORIZATION FROM OWNER TO BE RECEIVED IN WRITING.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BEGINNING WORK. AT ANY TIME SHOULD ANY CONDITIONS ARISE WHEREIN THE INTENT OF THE DRAWINGS IS IN DOUBT OR WHERE THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND FIELD CONDITIONS THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY IN WRITING FOR CLARIFICATION.
3. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. SAFETY OF ALL PARTIES PRESENT ON THE JOB SITE IS SOLELY THE CONTRACTORS RESPONSIBILITY.
4. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY AND CHARGE OF AND SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK OR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
5. CONTRACTOR SHALL NOTIFY OWNER IN ADVANCE OF ALL NOISE GENERATING WORK TO SCHEDULE SUCH ACTIVITIES OUTSIDE OF BUILDING OCCUPIED HOURS.
6. THE CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION STAKING AND RE-STAKING REQUIRED TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE RESIDENT ENGINEER AND LANDSCAPE ARCHITECT. THE LANDSCAPE ARCHITECT WILL PROVIDE CAD FILES FOR DEVELOPMENT OF HORIZONTAL CONTROL PLAN.
7. SEE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, SECTION 4, 4-1.6, "TRADE NAMES OR EQUALS" AND THE FOLLOWING: WHENEVER ANY PARTICULAR MATERIAL, PROCESS, EQUIPMENT, ETC IS INDICATED BY BRAND NAME OR MANUFACTURER, SUCH WORKING IS USED FOR THE PURPOSE OF FACILITATION ITS DESCRIPTION AND SHALL BE DEEMED TO BE FOLLOWED BY THE WORDS "OR AN APPROVED EQUAL." A LISTING OF MANUFACTURERS IS NOT INTENDED TO BE COMPREHENSIVE. THE CONTRACTOR MAY OFFER ANY MATERIAL, PROCESS, OR EQUIPMENT CONSIDERED TO BE EQUIVALENT TO THAT INDICATED. UNLESS OTHERWISE AUTHORIZED BY THE OWNER'S REPRESENTATIVE, THE SUBSTANTIATION OF EQUIVALENTS MUST BE SUBMITTED WITHIN 35 DAYS AFTER THE AWARD OF THE CONTRACT. THE OWNER'S REPRESENTATIVE SHALL BE FINAL.
8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE INCREASED PROJECT COSTS WHICH ARE PRECIPITATED BY THE CHANGE IN ANY MATERIAL, PROCESS, OR EQUIPMENT AT THEIR REQUEST AFTER THE AWARD OF THE CONTRACT. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO ADDITIONAL COSTS INCURRED BY THE OWNER FOR REVIEW AND/OR REDESIGN OF THE CONTRACT DOCUMENTS TO ACCOMMODATE THE REQUESTED CHANGE. IN THE EVENT THAT THE CONTRACT DOCUMENTS MUST BE ALTERED TO ACCOMMODATE THE CONTRACTOR'S REQUESTED CHANGE IN MATERIAL, PROCESS, OR EQUIPMENT, THE CONTRACTOR SHALL HAVE THE OPTION OF PROVIDING THE OWNER'S REPRESENTATIVE WITH DETAILED DRAWINGS AND SPECIFICATIONS THAT FULLY DEFINE HOW THE REQUESTED CHANGE CAN BE INCORPORATED INTO THE PROJECT OR THE CONTRACTOR AY, AT HIS OWN EXPENSE, WORK WITH THE PROJECT CONSULTANTS LISTED IN THE CONTRACT DOCUMENTS TO MAKE THE REQUIRED CHANGES TO THE PLANS AND SPECIFICATIONS. IN EITHER CASE, THE OWNER'S REPRESENTATIVE SHALL REVIEW THE PROPOSED PLANS AND SPECIFICATIONS PRIOR TO GRANTING APPROVAL.
9. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CALGREEN REQUIREMENTS, INCLUDING SECTION 5.408 - CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING.

TEMPORARY CONSTRUCTION

1. CONTRACTOR SHALL ARRANGE FOR, IN ADVANCE WITH THE OWNER, CONSTRUCTION STORAGE AND STAGING AREAS NECESSARY TO COMPLETE THE WORK. ALL STORAGE AND STAGING AREAS SHALL BE RETURNED TO THE OWNER IN LIKE ORIGINAL CONDITION.
2. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS TO PROTECT FINISHED PARTS OF THE MATERIALS AND EQUIPMENT AGAINST DAMAGE FROM ANY CAUSE DURING THE PROGRESS OF THE WORK AND UNTIL ACCEPTANCE BY THE OWNER.
3. CONTRACTOR SHALL MAKE EVERY EFFORT TO MAINTAIN A CLEAN WORK PLACE. DUST PALLIATION AND PREVENTION OF DUST CONTAMINATION OF NON-WORK SPACES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR ON AN ON GOING, DAILY BASIS. THE CONTRACTOR SHALL DEVELOP A SCHEDULE OF CONSTRUCTION WHICH INCLUDES THE NECESSARY ACTIONS TO MAINTAIN THE OPERATION OF THE TENANTS DURING THE CONSTRUCTION PROCESS.
4. DUMPSTERS AND TRASH CONTAINERS EXCEEDING 1.5 CUBIC YARDS SHALL NOT BE STORED IN THE BUILDING OR PLACED WITHIN 5 FEET OF COMBUSTIBLE WALLS, OPENINGS, OR COMBUSTIBLE ROOF EAVE LINES UNLESS PROTECTED BY AN APPROVED SPRINKLER SYSTEM OR LOCATED IN A TYPE I OR IIA STRUCTURE SEPARATED BY 10 FEET FROM OTHER STRUCTURES. CONTAINERS LARGER THAN 1 CUBIT YARD SHALL BE OF NON- OR LIMITED COMBUSTIBLE MATERIALS OR SIMILARLY PROTECTED OR SEPARATED (CFC 304.3).
5. BUILDING UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION SHALL CONFORM TO CFC CHAPTER 33. WELDING, CUTTING, AND OTHER HOT WORK SHALL BE IN CONFORMANCE WITH CFC CHAPTER 35.
6. ADDRESS IDENTIFICATION SHALL BE PROVIDED FOR ALL NEW AND EXISTING BUILDING IN A LOCATION THAT IS PLAINLY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. WHERE ACCESS IS BY WAY OF PRIVATE ROAD AND THE BUILDING ADDRESS CANNOT BE VIEWED FROM THE PUBLIC WAY, AN APPROVED SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE. PREMISES IDENTIFICATION SHALL CONFORM TO CBC SECTION 501.2.

DEMOLITION

1. CONTRACTOR SHALL COORDINATE DEMOLITION DRAWINGS PRIOR TO BEGINNING OF DEMOLITION. THE USE OF PROPER MATERIALS AND EQUIPMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.
2. PRIOR TO REMOVING ANY MATERIAL, REFER TO THE ENVIROMENTAL REPORT FOR ANY ASBESTOS CONTAINING MATERIAL AND FOR PROPER DISPOSAL TECHNIQUES. IF ANY HAZARDOUS MATERIAL IS ENCOUNTERED DURING DEMOLITION A/E CONTRACTOR SHALL COMPLY WITH APPLICABLE REGULATIONS, LAWS, CODES, AND ORDINANCES RELATIVE TO REMOVAL, HANDLING, AND PROTECTION AGAINST EXPOSURE OR ENVIRONMENTAL POLLUTION.
3. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION AND SHALL TAKE STEPS TO PROTECT SUBJECT UTILITIES, PERSONNEL AND PROPERTY AGAINST DAMAGE. ALL SITE UTILITIES TO REMAIN U.O.N.; PROTECT IN PLACE. CONTRACTOR TO COORDINATE THE REMOVAL, DISCONNECTION, AND/OR CAPPING OF ANY UTILITIES WITH THE OWNER AS NECESSARY. ALL UNDER-SLAB UTILITY LINES TO BE CUT, CAPPED, AND SEALED PER CODE.
4. CONTRACTOR SHALL VERIFY LOCATION OF ALL REINFORCING STEEL, POST- TENSIONED AND CONDUIT IN EXISTING CONCRETE SLABS AND AVOID SAME, PRIOR TO PROCEEDING WITH CORE DRILLING OR SAW-CUTTING. SEE DEMOLITION PLAN.
5. DEMOLITION EXTENTS ARE INDICATED AS NOTED, OR AS REQUIRED FOR INSTALLATION OF NEW WORK, BUT EXACT EXTENTS TO BE VERIFIED IN THE FIELD. REFER TO DEMOLITION LEGEND FOR ITEMS TO BE DEMOLISHED WHICH ARE NOT SPECIFICALLY NOTED.
6. EXISTING WORK AND ITEMS WHICH ARE REQUIRED TO BE REMOVED SHALL BE REMOVED IN SUCH A MANNER THAT MINIMUM DAMAGE AND DISTURBANCE IS CAUSED TO ADJACENT AND CONNECTION WORK SCHEDULED TO REPAIR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND/OR REPLACING ALL EXISTING WORK SCHEDULED TO REMAIN WHICH IS DAMAGEDBY THESE OPERATIONS.
7. DEMOLITION SHALL INCLUDE PREPARATION OF EXISTING AREAS TO RECEIVE NEW MATERIALS AND REMOVAL OF MATERIALS AND EQUIPMENT TO ALTER OR REPAIR THE EXISTING BUILDING AS INDICATED ON THE DRAWINGS AND AS SPECIFIED.
8. DEMOLITION WORK SHALL BE PERFORMED BY EXPERIENCED PERSONNEL EXERCISING PROPER CARE TO PREVENT INJURY TO THE PUBLIC, WORKERS AND ADJOINING PROPERTY. APPROPRIATE SAFETY EQUIPMENT SHOULD BE UTILIZED.
9. ALL WALL-MOUNTED DEVICES AND FURNISHINGS SHALL BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE. WHERE REMOVAL IS REQUIRED TO COMPLETE DEMOLITION, DEVICES AND FURNISHINGS MUST BE REINSTALLED IN THEIR ORIGINAL LOCATIONS.

(GENERAL NOTES, continued)

9. THE CONTRACTOR SHALL REMOVE, PROTECT AND REINSTALL EXISTING ITEMS AS REQUIRED TO COMPLETE THE WORK, WHETHER SUCH WORK IS SPECIFICALLY SHOWN. ANY MATERIALS SCHEDULED FOR REUSE WHICH ARE DAMAGED BY THE CONTRACTOR TO THE EXTENT THAT THEY CANNOT BE REUSED SHALL BE REPLACED BY THE CONTRACTOR WITH EQUIVALENT QUALITY MATERIAL.
10. ALL REMOVED FIXTURES, EQUIPMENT, ACCESSORIES AND DOORS SHALL BE SALVAGED AND RETURNED TO THE OWNER. ITEMS NOT WANTED BY OWNER SHALL BE LEGALLY DISCARDED OFF-SITE BY THE CONTRACTOR.
11. ALL AREAS REQUIRING PATCHING DUE TO THE WORK OF THIS PROJECT, INCLUDING MARKS FROM RELOCATED WALL, DAMAGE CAUSE BY REMOVING, RELOCATING, AND/OR ADDING FIXTURES AND EQUIPMENT, DAMAGE CAUSED BY DEMOLITION AT ADJACENT MATERIALS, ETC., SHALL BE EXPERTLY PATCHED BY JOURNEYMEN EXPERIENCED IN THE TRADE INVOLVED IN THE PATCH WORK.
12. EXISTING FINISHES TO REMAIN SHALL BE REPAIRED TO ORIGINAL CONDITION.
13. FIRE ALARM SYSTEM (AND PROTECTION AS OCCURS) DURING DEMOLITION AND CONSTRUCTION MUST BE IN ACCORDANCE WITH 2022 CBC CHAPTER 33.
14. ALL MECHANICAL, ELECTRICAL, AND PLUMBING FIXTURES, EQUIPMENT AND/OR DEVICES SCHEDULED TO BE REMOVED SHALL BE DISCONNECTED AT THE SOURCE UNLESS NOTED OR DIRECTED OTHERWISE. COORDINATE ALL WORK WITH CIVIL, ARCHITECTURAL, ELECTRICAL, AND FIRE PROTECTION PLANS.
15. ALL DRAWINGS WERE CREATED FROM TOPOGRAPHY SURVEY PROVIDED BY THE OWNER AND FIELD SITE INVESTIGATION DONE BY PROJECT ARCHITECT AND ENGINEERING CONSULTANTS. ITEMS NOT VISIBLE COULD NOT BE FIELD VERIFIED. ITEMS SUCH AS STEEL REINFORCING, BUILT ITEMS CONCEALED IN FLOORS, WALLS, CEILINGS, AND UNDERGROUND UTILITIES RUNS WERE NOT VERIFIED. UTILITY LOCATORS SERVICE SHOULD BE CONTRACTED PRIOR TO ANY UNDERGROUND TRENCHING OR REMOVAL OF CAST IN PLACE CONCRETE.
16. REFER TO SPECIFICATIONS AND APPLICABLE NOTES ON CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND INFORMATION.
17. MINIMIZE WASTE MATERIALS DIVERTED TO LANDFILL BY RECYCLING WHENEVER POSSIBLE.

LIFE SAFETY MEASURES

1. ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
2. ALL DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME RETARDANT MANNER.
3. FIRE/SMOKE DAMPER ASSEMBLIES, INCLUDING SLEEVES AND INSTALLATION PROCEDURES SHALL BE APPROVED BY THE BUILDING INSPECTOR PRIOR TO INSTALLATION.
4. PLANS FOR ALL FIXED FIRE PROTECTION EQUIPMENT SUCH AS STANDPIPES, SPRINKLER SYSTEMS AND FIRE ALARM SYSTEMS MUST BE SUBMITTED FOR APPROVAL BY THE CONTRACTOR TO THE FIRE PREVENTION BUREAU BEFORE THE EQUIPMENT IS INSTALLED. SEE REFLECTED CEILING PLAN.
5. LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH CFC 906 AND CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 19.
6. DURING CONSTRUCTION AT LEAST ONE EXTINGUISHER SHALL BE PROVIDED ON EACH FLOOR LEVEL AT EACH STAIRWAY, IN ALL STORAGE AND CONSTRUCTION SHEDS, IN LOCATIONS WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE STORED OR USED, AND WHERE OTHER SPECIAL HAZARDS ARE PRESENT PER CFC SECTION 3315.1.
7. EXITS, EXIT SIGNS, FIRE ALARM PANELS, HOSE CABINETS, FIRE EXTINGUISHER LOCATIONS, AND STANDPIPE CONNECTIONS SHALL NOT BE CONCEALED BY CURTAINS, MIRRORS, OR OTHER DECORATIVE MATERIAL.
8. WALL, FLOOR, AND CEILING FINISHES AND MATERIALS SHALL NOT EXCEED THE INTERIOR FINISHES CLASSIFICATIONS IN CBC TABLE 803.11 AND SHALL MEET THE FLAME PROPAGATION PERFORMANCE CRITERIA OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 19, DIVISION 1. DECORATIVE MATERIALS SHALL BE PROPERLY TREATED BY A PRODUCT OR PROCESS APPROVED BY THE STATE FIRE MARSHAL WITH APPROPRIATE DOCUMENTATION PROVIDED TO THE CITY OF SAN DIEGO.
9. OPEN FLAMES, FIRE, AND BURNING ON ALL PREMISES IS PROHIBITED EXCEPT AS SPECIFICALLY PERMITTED BY THE CITY OF SAN DIEGO AND CFC 308.
10. THE EGRESS PATH SHALL REMAIN FREE AND CLEAR OF ALL OBSTRUCTIONS AT ALL TIMES. NO STORAGE IS PERMITTED IN ANY EGRESS PATH.

DEFERRED SUBMITTALS

1. PLANS FOR THE DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED IN A TIMELY MANNER, BUT NOT LESS THAN 30 BUSINESS DAYS PRIOR TO INSTALLATION. ALL COMMENTS RELATED TO THE DEFERRED SUBMITTAL MUST BE ADDRESSED TO THE SATISFACTION OF THE PLAN CHECK DIVISION PRIOR TO APPROVAL OF THE SUBMITTAL ITEMS.
2. I/WE UNDERSTAND THAT I/WE WILL NOT BE AUTHORIZED ANY INSPECTION OF THE DEFERRED ITEMS PROPOSED PRIOR TO THE SUBMITTAL AND APPROVAL OF PLANS AND/OR CALCULATIONS FOR THOSE DEFERRED ITEMS.

EXISTING CONSTRUCTION

1. SHOULD ANY EXISTING CONDITIONS, SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE APPROVED DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24 OR CCR; A CHANGE ORDER OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE REPAIR WORK.

CALIFORNIA ENERGY ACCEPTANCE TESTING

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS MOSHER DREW

1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED ARCHITECT EDWARD M HOLAKIEWICZ NO. C 31100 REN 06-30-27 STATE OF CALIFORNIA

ARCHITECT / CONSULTANT STAMP

CONSULTANT LOGO

CLIENT LOGO

SWEETWATER UNION HIGH SCHOOL DISTRICT

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

GENERAL NOTES, SYMBOLS & ABBREVIATIONS

G002

Autodesk Docs://Rancho del Rey MS - Building & Site Rehabilitation/RDRMS_REHABILITATION_SITE_A24.rvt

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

CHAPTER 3 - GREEN BUILDING

SECTION 301 GENERAL

301.4 Mandatory measures for public schools and community colleges. [DSA-SS] New building construction and site work on a new or existing site shall comply with Section 301.4.

301.4.1 Building and site construction on a new site shall comply with Chapter 5 as adopted by DSA-SS.

301.4.2 Work on an existing site shall comply with Section 301.4.2.

301.4.2.1 Newly constructed site work shall comply with Chapter 5 as adopted by DSA-SS.

301.4.2.2 Newly constructed buildings shall comply with Chapter 5 as adopted by DSA-SS and Section 301.4.3.

301.4.2.3 Additions to existing buildings shall comply with Section 301.4.3.

301.4.2.4 Rehabilitated landscape areas shall comply with Sections 5.304.6 and 5.106.12.

301.4.3 Minimum rehabilitated landscape area requirement. A minimum rehabilitated landscape area equal to 75 percent of the footprint area of the building shall comply with Section 5.304.6 and Section 106.12. New buildings or additions to existing buildings less than 1,600 square feet shall not be required to comply with Section 301.4.3.

CHAPTER 5 – NONRESIDENTIAL MANDATORY MEASURES

DIVISION 5.1 – PLANNING AND DESIGN
SECTION 5.106 – SITE DEVELOPMENT

5.106.4.2 Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2.

X **5.106.4.2.1 Student bicycle parking**. Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building. **EXISTING TO REMAIN**

X **5.106.4.2.2 Staff bicycle parking.** Provide permanent secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

EXISTING TO REMAIN

5.106.5.3 Electric vehicle (EV) charging. [N] Construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). When EVSE(s) is/are installed, it shall be in accordance with the California Building Code, the California Electrical Code and as follows:

5.106.5.3.1 Single charging space requirements. [N] When only a single charging space is required per Table 5.106.5.3.3, a raceway is required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:

1. The type and location of the EVSE.
2. A listed raceway capable of accommodating a 208/240-volt dedicated branch circuit.
3. The raceway shall not be less than trade size 1 inch.
4. The raceway shall originate at a service panel or a subpanel serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into a listed suitable cabinet, box, enclosure or equivalent.
5. The service panel or subpanel shall have sufficient capacity to accommodate a minimum 40-amprere dedicated branch circuit for the future installation of the EVSE.

5.106.5.3.2 Multiple charging space requirements. [N] When multiple charging spaces are required per Table 5.106.5.3.3 raceway(s) is/are required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:

1. The type and location of the EVSE.
2. The raceway(s) shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into listed suitable cabinet(s), box(es), enclosure(s) or equivalent.
3. Plan design shall be based upon 40-ampere minimum branch circuits.
4. Electrical calculations shall substantiate the design of the electrical system, to include the rating of equipment and any on-site distribution transformers and have sufficient capacity to simultaneously charge all required EVs at its full rated amperage.
5. The service panel or subpanel(s) shall have sufficient capacity to accommodate the required number of dedicated branch circuit(s) for the future installation of the EVSE.

EV charging space calculation. [N] Table 5.106.5.3.3 shall be used to determine if single or multiple charging space requirements apply for the future installation of EVSE.

Exceptions: On a case-by-case basis where the local enforcing agency has determined EV charging and infrastructure is not feasible based upon one or more of the following conditions:

1. Where there is insufficient electrical supply.
2. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.

TABLE 5.106.5.3.3

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CHARGING SPACES
0 - 9	0
10 - 25	1
26 - 50	2
51 - 75	4
76 - 100	5
101 - 150	7
151 - 200	10
201 AND OVER	6 PERCENT OF TOTAL [1]

1. Calculation for spaces shall be rounded up to the nearest whole number.

5.106.5.3.4 [N] Identification. The service panel or subpanel(s) circuit directory shall identify the reserved overcurrent protective device space(s) for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

5.106.5.3.5 [N] Future charging spaces. Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.

X **5.106.8 Light pollution reduction. [N]** Outdoor lighting systems shall be designed and installed to comply with the following:

1. The minimum requirements in the California Energy Code for Lighting Zones 0 to 4 as defined in Chapter 10, Section 10-114 of the California Administrative Code, and
2. Backlight, (B) ratings as defined in Illuminating Engineering Society of North America (IESNA) TM-15-11 (shown in TABLE A-1 in Chapter 8), and
3. Uplight and Glare ratings as defined in California Energy Code (shown in TABLES 130.2-A and 130.2-B in Chapter 8) and
4. Allowable Backlight, Uplight, and Glare (BUG) ratings not exceeding those shown in Table 5.106.8 [N], or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

Exceptions: [N]

1. Luminaires that qualify as exceptions in Section 140.7 of the California Energy Code.
2. Emergency lighting.
3. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6.
4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.

Notes:

1. **[N]** See also California Building Code, Chapter 12, Section 1205.7 for college campus lighting requirements for parking facilities and walkways.
2. Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for Illuminating Engineering Society Technical Memorandum TM-15-11 Table A-1, California Energy Code Tables 130.2-A and 130.2-B.
3. Refer to the California Energy Code for requirements for additions and alterations.

TABLE 5.106.8 [N]

MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT, AND GLARE (BUG) RATINGS
(See CALGreen for TABLE)

X **5.106.10 Grading and paving**. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

1. Swales.
2. Water collection and disposal systems.
3. French drains.
4. Water retention gardens.
5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.

Exception: Additions and alterations not altering the drainage path.

X **5.106.12 Shade trees. [DSA-SS]** Shade trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.

5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50% of the parking area within 15 years.

Exception: The surface parking area covered by solar photovoltaic shade structures, or shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation.

X **5.106.12.2 Landscape areas.** Shade trees plantings, minimum #10 container size or equal, shall be installed to provide shade over 20% of the landscape area within 15 years

Exception: Playfields for organized sport activity are not included in the total area calculation.

X **5.106.12.3 Hardscape areas.** Shade trees plantings, minimum #10 container size or equal, shall be installed to provide shade over 20% of the hardscape area within 15 years.

Exception: Walks, hardscape areas covered by solar photovoltaic shade structures, and hardscape areas covered by shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation.

DIVISION 5.2 – ENERGY EFFICIENCY
SECTION 5.201 – GENERAL

X **5.201.1 California Energy Code.** For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory standards.

DIVISION 5.3 – WATER EFFICIENCY AND CONSERVATION
SECTION 5.303 – INDOOR WATER USE

5.303.3 Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

X **5.303.3.1 Water closets.** The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specifications for Tank-Type Toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

5.303.3.2 Urinals.

X **5.303.3.2.1 Wall mounted urinals.** The effective flush volume of wall mounted urinals shall not exceed 0.125 gallons per flush.

5.303.3.2.2 Floor mounted urinals. The effective flush volume of floor mounted or other urinals shall not exceed 0.5 gallons per flush.

5.303.3.3 Showerheads

5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specifications for showerheads.

5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the showerhead shall be designed to allow only one shower outlet to be in operation at one time.

Note: A hand-held shower shall be considered a showerhead.

5.303.3.4 Faucets and fountains.

X **5.303.3.4.1 Non-residential lavatory faucets.** Non-residential lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.

5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.

5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/20 [rim space (inches) at 60 psi].

X **5.303.3.4.4 Metering faucets.** Metering faucets shall not deliver more than 0.20 gallons per cycle.

X **5.303.3.4.5 Metering faucets for wash fountains.** Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per cycle/20 [rim space (inches) at 60 psi].

Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.

X **5.303.6 Standards for plumbing fixtures and fittings.** Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Code and in Chapter 6 of this code.

SECTION 5.304 – OUTDOOR WATER USE

5.304.6 Outdoor potable water use in landscape areas. For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, California Code of Regulations, except that the Evapotranspiration Adjustment Factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.

Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.

X **5.304.6.1 Newly constructed landscapes.** New construction projects with an aggregate landscape area equal to or greater than 500 square feet.

X **5.304.6.2 Rehabilitated landscapes.** Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.

DIVISION 5.4 – MATERIAL CONSERVATION AND RESOURCE EFFICIENCY
SECTION 5.407 – WATER RESISTANCE AND MOISTURE MANAGEMENT

X **5.407.1 Weather protection.** Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code, Section 1402.2 (Weather Protection), manufacturer's installation instructions, or local ordinance, whichever is more stringent.

5.407.2 Moisture control. Employ moisture control measures by the following methods:

X **5.407.2.1 Sprinklers.** Design and maintain landscape irrigation systems to prevent spray on structures.

5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:

X **5.407.2.2.1 Exterior door protection.** Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:

1. An installed awning at least 4 feet in depth.
2. The door is protected by a roof overhang at least 4 feet in depth.
3. The door is recessed at least 4 feet.
4. Other methods which provide equivalent protection.

X **5.407.2.2.2 Flashing.** Installed flashings integrated with a drainage plane.

SECTION 5.408 – CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

5.408.1 Construction waste management. Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

X **5.408.1.1 Construction waste management plan.** Where a local jurisdiction does not have a construction and demolition waste management ordinance that is more stringent, submit a construction waste management plan that:

1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.
2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

X **5.408.1.2 Waste management company.** Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

X **5.408.1.3 Waste stream reduction alternative.** The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65 percent minimum requirement as approved by the enforcing agency.

X **5.408.1.4 Documentation.** Documentation shall be provided to the enforcing agency which demonstrates compliance with Section 5.408.1.1 through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

Notes:

1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at www.bsc.ca.gov/Home/CALGreen.aspx may be used to assist in documenting compliance with the waste management plan.
2. Mixed construction and demolition debris (C&D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

SECTION 5.410 – BUILDING MAINTENANCE AND OPERATION

X **5.410.1 Recycling by occupants.** Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.

Exception: Rural jurisdictions that meet and apply for the exemption of Public Resources Code 42649.82 (a)(2)(A) et seq. will also be exempt from the organics waste portion of this section.

X **5.410.1.2 Sample ordinance.** Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the Public Resources Code. Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).

Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's website.

DIVISION 5.5 ENVIRONMENTAL QUALITY
SECTION 5.504.1 – POLLUTANT CONTROL

X **5.504.3 Covering of duct openings and protection of mechanical equipment during construction.** At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.

5.504.4 Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.

X **5.504.4.1 Adhesives, sealants, and caulks.** Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene, and trichloroethylene), except for aerosol products as specified in subsection 2, below.
2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.

TABLE 5.504.4.1 – ADHESIVE VOC LIMIT
(See CALGreen for TABLE)

TABLE 5.504.4.2 – SEALANT VOC LIMIT
(See CALGreen for TABLE)

X **5.504.4.3 Paints and coatings.** Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3, shall be determined by classifying the coating as a Flat, Nonflat, or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

TABLE 5.504.4.3 – VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS
(See CALGreen for TABLE)

X **5.504.4.3.1 Aerosol paints and coatings.** Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of California Code of Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:

1. Manufacturer's product specification.
2. Field verification of on-site product containers.

X **5.504.4.4 Carpet systems.** All carpet installed in the building interior shall meet at least one of the following testing and product requirements:

1. Carpet and Rug Institute's Green Label Plus Program;
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version1.1, February 2010 (also known as CDPH Standard Method V1.1 or Specification 01350);
3. NSF/ANSI 140 at the Gold level or higher;
4. Scientific Certifications Systems Sustainable Choice; or
5. Compliant with the Collaborative for High Performance Schools California (CA-CHPS) Criteria 2014 and listed in the CHPS High Performance Product Database.

X **5.504.4.4.1 Carpet cushion.** All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute's Green Label program.

X **5.504.4.4.2 Carpet adhesive.** All carpet adhesive shall meet the requirements of Table 5.504.4.1.

X **5.504.4.5 Composite wood products.** Hardwood plywood, particleboard, and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted by the ATCM must meet the specified emission limits as shown in Table 5.504.4.5.

TABLE 5.504.4.5 – FORMALDEHYDE LIMITS
(See CALGreen for TABLE)

X **5.504.4.6 Resilient flooring systems.** For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:

1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program;
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010;
3. Compliant with the Collaborative for High Performance Schools California (CA-CHPS) Criteria 2014 and listed in the CHPS High Performance Product Database; or
4. Products certified under the UL GREENGUARD Gold (formerly the Greenguard Children & Schools program).

X **5.504.5.3 Filters.** In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air prior to occupancy that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exception: Existing mechanical equipment.

5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.

SECTION 5.505 – INDOOR MOISTURE CONTROL

X **5.505.1 Indoor moisture control.** Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures see Section 5.407.2 of this code.

SECTION 5.506 – INDOOR AIR QUALITY

X **5.506.1 Outside air delivery.** For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements for Ventilation) of the California Energy Code, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

SECTION 5.507 – ENVIRONMENTAL COMFORT

X **5.507.4 Acoustical control.** Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413 or Outdoor–Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirement of this section and all subsections apply only to new construction.

X **5.507.4.1 Exteriors noise transmission, prescriptive method.** Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

1. Within the 65 CNEL noise contour of an airport.
   a. **Exceptions:**
      1. Ldn or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
      2. Ldn or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.
2. Within the 65 CNEL or Ldn noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

X **5.507.4.1.1 Noise exposure where noise contours are not readily available.** Buildings exposed to a noise level of 65 dBLeq-1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

X **5.507.4.2 Performance method.** For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq -1Hr) of 50 dBA in occupied areas during any hour of operation.

X **5.507.4.2.1 Site features.** Exterior features such as sound wall or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

X **5.507.4.2.2. Documentation of compliance.** An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

X **5.507.4.3 Interior sound transmission.** Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC rating may be found at the California Office of Noise Control: www.https://www.tsb.org/files/STC_IIC_Ratings.pdf

SECTION 5.508 – OUTDOOR AIR QUALITY

5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

X **5.508.1.1 Chlorofluorocarbons (CFCs).** Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.

NOTE: PLEASE SEE SHEET G004 FOR VOC LIMIT TABLE

Architects Mosher Drew and Rios Mills, Boarding & Silo Studios and Consultants shall not be responsible for the accuracy and completeness of CAD files provided to any party. CAD file is provided as a courtesy to the recipient and is not to be used for any purpose other than as a reference.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
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All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED ARCHITECT
STEPHEN M HOLAKIRI
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REN 06-30-27
STATE OF CALIFORNIA

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CONSULTANT LOGO

SWEETWATER UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

CALGREEN REQUIREMENTS

G003

2022 CALGREEN VOC LIMIT TABLES

TABLE 5.504.4.1 - ADHESIVE VOC LIMIT[1,2]

Less Water and Less Exempt Compounds in Grams per Liter

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF

TABLE 5.504.4.2 - SEALANT VOC LIMIT

Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS[2,3]

GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS

COATING CATEGORY	CURRENT VOC LIMIT
FLAT COATINGS	50
NONFLAT COATINGS	100
NONFLAT HIGH GLOSS COATINGS	150
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS[1]	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS:	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS:

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION

PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD[2]	0.13

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
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All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED ARCHITECT
CHRISTOPHER M. HOLAKIEWICH
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RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

CALGREEN TABLES

G004

Autodesk Docs://Rancho Del Rey MS - Building & Site Rehabilitation/24203.10_RDR_Building & Site Rehabilitation_2025_CM.rvt

HCI SYSTEMS INC
1354 S PARKSIDE PL
ONTARIO, CA 91761-4555
(909) 628-7773

7174583

Private Service Main

Service Date	April 1, 2025	Report Number:	7174583
AHJ:	CHULA VISTA FIRE DEPARTMENT 276 FOURTH AVENUE CHULA VISTA, CA 91910-2631	Status:	Compliant
Phone:	(619) 409-5841	Report Type:	Q - AES 4 Private Fire Service Mains Quarterly/Annual

Inspection & Testing Agency Information

Name:	HCI SYSTEMS INC 1354 S PARKSIDE PL ONTARIO, CA 91761-4555	Phone:	(909) 628-7773
		Emergency Phone:	(213) 500-5752
		Email:	jvance@hcisystems.net

Licenses:	License Type	License Number	Expiration
	California - C16	905493	02/28/2026
	California - C10	905493	02/28/2026
	California - City of Murrieta Business License	905493	05/21/2026
	City of Oceanside Business License	BL-1258080	11/30/2025
	City of San Gabriel Business License	905493	02/28/2026
	City of Oxnard Business License	905493	02/28/2026

Inspector/Tester Information

Name:	SEAN KATTNER	Phone:	(858) 560-7000

Licenses:	License Type	License Number	Expiration
	City of Oceanside Business License	BL-1258080	11/30/2024
	California - City of Murrieta Business License	25724	04/07/2024
	California - C10	905493	02/28/2026
	California - C16	905493	02/28/2026

Occupancy Information

Name:	RANCHO DEL REY MIDDLE SCHOOL 1174 E J ST CHULA VISTA, CA 91910-7040	Contact:	Responsible Person (858) 560-7000 RANCHO DEL REY MIDDLE SCHOOL 1174 EAST J ST CHULA VISTA, CA 91910
		Phone:	(619) 572-0788

Problems Found

Question #	Code Ref(s)	Question	Answer	Impairment	Corrected
No problems found.					

Quarterly Inspections

Question #	Code Ref(s)	Question	Answer
1.1.	13.3.1	Control Valves – Identification Sign	
1.2.	13.3.2	Control Valves – Inspection	

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Report Number: 7174583

Page 1 of 4

Zinspection, Testing, and Maintenance Cover Sheet
NFPA25 as amended by CCR, Title 19

Property Information:

Name:	Rancho Del Rey Middle School	Occupancy/Use:	A1
Address:	1174 East J St.	Construction Type:	Type II-A
City:	Chula Vista	No. Stories:	1
ZIP:	91910	Year Constructed:	2002
Contact:	Robert Russel		
Telephone:	619-572-0788		

Contractor Information: Number of System Risers 1

HCI Systems, Inc.
1354 S. Parkside Place
Ontario, CA 91761
Phone: 877-331-2084

Name:		Copy sent to:	
Address:		☒ Owner	Date: 4-8-2025
City:		☒ Fire Ahl	Date: 4-8-2025
State:		☒ Contractor	Date: 4-1-2025
Telephone:			
CA License#:	905493		
Job #:	2501260398		
Performed by:	Sean Kattner		

NOTES:
1) For specific inspection, testing, and maintenance requirements and information, see NFPA 25, 2011 edition as amended by California Code of Regulations, Title 19, §901 to §906.

2) Inspection Items may be performed by the Owner in accordance with California Code of Regulations, Title 19, §904.1(a)

Check box for each system inspected and enter the number of forms used for inspection. Check boxes (Fail or Pass) to indicate status of inspected system at end of inspection.

Forms Included with this Report	NFPA 25 Chapter	Number of Forms	N/A	Fail*	Pass
☐ Automatic Sprinkler System	5		☒	☐	☐
☐ Standpipe and Hose System	6		☒	☐	☐
☒ Private Water Supply System	7	2	☐	☐	☒
☐ Fire Pump	8		☒	☐	☐
☐ Water Storage Tank	9		☒	☐	☐
☐ Water Spray System	10		☒	☐	☐
☐ Foam Water Sprinkler System	11		☒	☐	☐
☐ Water Mist System	12		☒	☐	☐
☒ Concerns that are Not Deficiencies (i.e. Non-Sprinklered Areas)				☒ Yes	☐ No

See "Deficiencies and Comments" section at end of each respective form.

Form AES 4 Sept. 3, 2013

Private Fire Service Main	California Code of Regulations - Title 19 Inspection, Testing, and Maintenance	Quarterly and Annual Report	3 of 4

Property Information		Contractor or Licensed Owner Information	
Building Name	Rancho Del Rey Middle School	Name:	Sean Kattner
Address	1174 East J St.	Job #	2501260398
City	Chula Vista	Phone	(877) 331-2084 Misc. Annual Private Fire Service Main

ANNUAL INSPECTION, TESTING, AND MAINTENANCE
Include ALL Quarterly Inspections

I = Inspection T = Test M = Maintenance P = Pass F = Fail N/A = Not Applicable

Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P,F,N/A
3.3	M	Dry Pipe Valve Interior Cleaned	13.4.4.3.1			N/A
3.4	M	Low Points in System Drained	13.4.4.3.2			N/A
3.5	M	Backflow Preventer	13.6.3	4-1-25		P
3.6	M	Obstruction Investigation Required *(If "Yes", see Deficiencies and Comments Section for Results.)*	14.3	4-1-25	☐ Yes ☒ No	P
3.7	M	System Returned to Service	4.5.3 15.7	4-1-25	☒ Yes ☐ No	P

D = Deficiency C = Comment *(Indicate type.)*

Item	Date	Riser	D	C	Deficiencies and Comments *Indicate all equipment, devices and parts that were repaired or replaced*
	4-1-25				
	"				No deficiencies found during inspection.

☐ Check here if additional Deficiencies and Comments are listed on Form AES9. Number attached
☐ See Correction Form AES 10 for corrected deficiencies. Number attached

I hereby certify that the fire protection equipment listed above has been fully inspected, tested, and maintained on this date by the company indicated above, in accordance with CCR, Title 19, Sections 901 to 906 and that the equipment is fully operable except as noted in the "Deficiencies and Comments" section of this form.

Check box if Annual Inspection, Testing & Maintenance Items are Completed in the Indicated Quarter

Quarter	1st - ☒ Annual	2nd - ☐ Annual	3rd - ☐ Annual	4th - ☐ Annual
Date	4-1-25			
Print Name	Sean Kattner			
Signature	Sean Kattner			

Form AES 4 Sept. 3, 2013

Page 4 of 4

FIRE HYDRANTS TEST REPORT

☒ Annual ☐ 5-Year ☐ Other 2501260398 DATE: 4-1-25

		YES	NO
1.	All hydrant stems and threads were inspected for damage and lubrication	☒	☐
2.	All hydrant caps, gaskets and chains were inspected for damage and lubrication	☒	☐
3.	All hydrant outlets were fully opened and closed to ensure smooth operation	☒	☐
4.	All hydrants shut-off valves were closed and fully reopened to ensure adequate waterflow	☒	☐
5.	All hydrants are accessible with outlets 14 inches to 24 inches above grade	☒	☐
6.	All crash posts are in place to prevent vehicular damage	☒	☐
7.	All hydrants have 36 inches of unobstructed access around all hydrants	☒	☐
8.	Each hydrant is clearly identified or marked	☒	☐
9.	Each hydrant is painted per local jurisdiction specifications	☒	☐

See remarks for explanation of all "No" answers

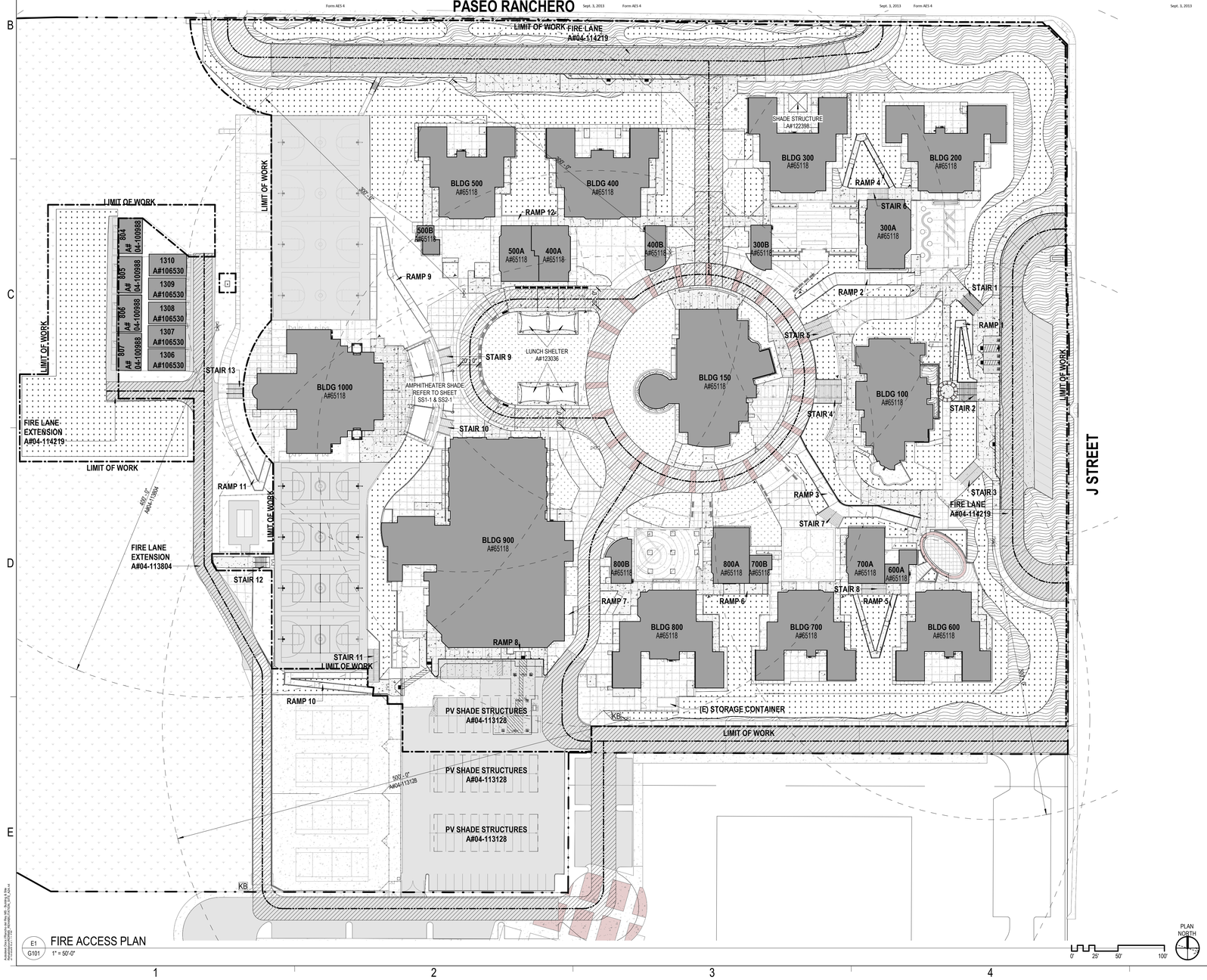
(GPM) Gallons per Minute (PSI) Pounds per Square Inch

Hydrant # / Location	Flow (GPM)	Static Pressure (PSI)	Residual Pressure (PSI)	Remarks / Discrepancies
#1 Drop-off Entrance	1201	110	65	
#2 Drop-off exit	852	87	30	
#3 Staff parking gate	1201	112	65	
#4 Lower part of school by soccer field	1163	120	60	
#5 Bldg. 900	1121	105	65	
#6 Bldg. 400	974	100	50	
#7 Bldg. 500	1163	100	60	

END OF REPORT

Fitter Signature Sean Kattner Date 4-1-25

PASEO RANCHERO



E1 / G101 FIRE ACCESS PLAN
1" = 50'-0"

LEGEND

- EXISTING BUILDINGS
- EXISTING FIRE LANE (A#65118, A#04-114219 & A#04-113804)
- (E) ORNAMENTAL FENCE
- (E) CHAINLINK FENCE
- NEW FENCE
- EXISTING FIRE HYDRANT (E.F.H.)
- R=XXX'-0" MAX. APPROVED SEPARATION DISTANCE BETWEEN FIRE HYDRANTS
- KB (E) KNOX BOX PER A#04-114219

GENERAL NOTES

A. 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 COMMUNICATIONS 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.

B. THIS SHEET IS FOR CODE REFERENCE ONLY.

C. EXISTING PARKING PER 2022 CBC 11B-208.2 , 76-100 SPACES (83 EXISTING) REQUIRES MINIMUM NUMBER OF ACCESSIBLE PARKING SPACES = 4 (WHERE 1 SPACE IS TO BE A VAN PARKING SPACE COMPLYING WITH SECTION 11B-502. REFER TO SHEET T-002 - ACCESSIBILITY & SHEET T-003 SIGNAGE DETAILS.

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:	SWEETWATER UNION HIGH SCHOOL DISTRICT
Project Name/School:	BUILDING & SITE REHABILITATION / RANCHO DEL REY MIDDLE SCHOOL
Project Address:	1174 E. J STREET, CHULA VISTA, CA, 91910

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 ☐

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

School District Acceptance of Acceptable Design Alternates

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

Accepted by: _____ Title: _____

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name:	CHULA VISTA FIRE DEPARTMENT
LFA Review Official:	
Title:	Work Phone:
Work Email:	

LFA Reviewer's Signature: _____ Date: _____

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED ARCHITECT REGISTERED IN HOLAKING NO. C 31100 REN 08-30-27 STATE OF CALIFORNIA

ARCHITECT / CONSULTANT STAMP

CONSULTANT LOGO

SWEETWATER UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

FIRE ACCESS PLAN

G101

CONSTRUCTION FIRE LIFE SAFETY PLAN

FIRE PREVENTION SITE SAFETY PLAN

The awarded General Contractor shall develop, implement, submit for approval, and maintain the final, written site safety plan establishing a fire prevention program at the project site applicable throughout all phases of construction, repair, alteration, or demolition work. The plan shall address the requirements of 2022 California Fire Code (CFC) Chapter 33 - "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" –. Compliance with NFPA 241 for items not specifically addressed therein CFC Chapter 33. The plan shall include at a minimum the requirements below of CFC Chapter 33 paragraph 3303.1. This plan shall also as a minimum address fire prevention measures, hot work procedures, emergency response procedures, and training requirements for personnel per Special Conditions Safety exhibit – SH&E Prime Contractor Performance Requirements – and/or Prime Contractors submitted and approved Safety Program/IIP.

1. Name and contact of the site safety director

   Addressing Section 3301.1.1/1. Components of the Site Safety Plan shall be a bidding requirement and will be addressed and provided as a submittal by the awarded General Contractor. Once submittal has been approved, the General Contractor shall be responsible to maintain and update the submittal for any changes that may occur.

   Full Site Rehabilitation – Brian Ingstad, Project Manager, Sweetwater Union High School District

   Brian.ingstad@sweetwaterschools.org 619-407-4928

2. Documentation of the training of the site safety director and fire watch personnel.

   Addressing Section 3301.1.1/2. Components of the Site Safety Plan shall be a bidding requirement and will be addressed and training will be provided by the awarded General Contractor, including documentation of same. Once the training has been conducted, attendance and completion documented, the General Contractor shall be responsible to maintain and update the training requirements and provide refreshers as needed.

3. Procedures for reporting emergencies.

   Addressing Section 3301.1.1/3. Components of the Site Safety Plan shall be a bidding requirement and will be addressed and provided as a submittal by the awarded General Contractor. Once the submittal has been approved, the General Contractor shall be responsible for maintaining and updating the submittal and site logistics plan for any changes that may occur.

   Requirement for reporting emergencies shall be.
   Contact 911 immediately.
   Contact Brian Ingstad, Project Manager with Sweetwater UHSD at (619) 407-4928.
   Contact Robert Russel, Sweetwater UHSD Safety Manager at (619) 572-0788.
   Contact John Roach, Construction Manager with Balfour Beatty at (858) 228-7924.
   Contact Mark Patterson, School Principal with Sweetwater UHSD at (619) 397-2500
   Contact XXXX XXXX, Superintendent with General Contractor at (xxx) xxx-xxxx. (TBD after bid award).

4. Fire Department Access Routes

   Addressing Section 3301.1.1/4. Components of Site Safety Plan, the project Architect of Record, Architects Mosher Drew, Inc. has included as part of their DSA submittal package, sheet **G-101** which depicts the Fire Access Site Plan. This plan shall be reviewed, understood and clear fire access maintained by the awarded General Contractor throughout all phases of the work. The General Contractor shall be responsible for maintaining and updating their site logistics plan for any changes that may occur and communicate any changes to Fire Access Routes to the approving authority prior to making any changes to said route.

   Requirement of Fire Department Access Routes shall be verified and maintained as shown on the attached sheet **G-101.**

5. Location of fire protection equipment, including portable fire extinguishers, standpipes, fire department connections and fire hydrants.

   Addressing Section 3301.1.1/5. Components of the Site Safety Plan shall be a bidding requirement and will be addressed and provided as a submittal by the awarded General Contractor. Once the submittal has been approved, the General Contractor shall be responsible for maintaining and updating the submittal and site logistics plan for any changes that may occur.

   Location of fire protection equipment, including portable fire extinguisher, standpipes, fire department connections and fire hydrants shall be verified and identified by the General Contractor similar to the enclosed plan. Fire department connections and fire hydrant locations, both existing and new, are reflected in sheet **G-101** as provided by the Architect of Record, Architects Mosher Drew, Inc.

6. Smoking and cooking policies, designated areas to be used where approved, and signage locations in accordance with Section 3305.8.

   Addressing Section 3301.1.1/6. Components of the Site Safety Plan shall be a bidding requirement and will be addressed and provided as a submittal by the awarded General Contractor. Once the submittal has been approved, the General Contractor shall be responsible for maintaining and updating the submittal and site logistics plan for any changes that may occur.

   No smoking or cooking policy on campus or minimum 25 feet from campus perimeter. Location of signage shall be verified and identified similar to as shown on the attached.

7. Location and safety considerations for temporary heating equipment.

   Addressing Section 3301.1.1/7. Components of the Site Safety Plan shall be a bidding requirement and will be addressed and provided as a submittal by the awarded General Contractor. Once the submittal has been approved, the General Contractor shall be responsible for maintaining and updating the submittal and site logistics plan for any changes that may occur.

   Safety shall be considered, and location(s) shall be verified and identified similar to as shown on the attached.

8. Hot work permit plan.

   Addressing Section 3301.1.1/8. Components of the Site Safety Plan shall be a bidding requirement and will be addressed and provided as a submittal by the awarded General Contractor. Once submittal has been approved, the General Contractor shall be responsible to maintain and update the submittal for any changes that may occur.

9. Plans for control of combustible waste material.

   Addressing Section 3301.1.1/9. Components of the Site Safety Plan shall be a bidding requirement and will be addressed and provided as a submittal by the awarded General Contractor. Once the submittal has been approved, the General Contractor shall be responsible for maintaining and updating the submittal and site logistics plan for any changes that may occur.

   Plans for control of combustible waste material shall be as required per code and shall be reviewed and location(s) verified and identified similar to as shown on the attached.

10. Locations and methods for storage and use of flammable and combustible liquids and other hazardous materials.

    Addressing Section 3301.1.1/10. Components of the Site Safety Plan shall be a bidding requirement and will be addressed and provided as a submittal by the awarded General Contractor. Once the submittal has been approved, the General Contractor shall be responsible for maintaining and updating the submittal and site logistics plan for any changes that may occur.

    Locations and methods for storage and use of flammable and combustible liquids and other hazardous materials shall be as required per code and shall be reviewed and locations verified and identified by the awarded General Contractor similar to the enclosed.

11. Provisions for site security.

    Requirement for reporting emergencies shall be.
    Contact 911 immediately.
    Contact Brian Ingstad, Project Manager with Sweetwater UHSD at (619) 407-4928.
    Contact Robert Russel, Sweetwater UHSD Safety Manager at (619) 572-0788.
    Contact John Roach, Construction Manager with Balfour Beatty at (858) 228-7924.
    Contact Mark Patterson, School Principal with Sweetwater UHSD at (619) 397-2500
    Contact XXXX XXXX, Superintendent with General Contractor at (xxx) xxx-xxxx. (TBD after bid award).

12. Changes that affect this plan.

    Addressing Section 3301.1.1/12. Components of the Site Safety Plan shall be a bidding requirement and will be addressed and provided as a submittal by the awarded General Contractor. Once submittal has been approved, the General Contractor shall be responsible to maintain and update the submittal for any changes that may occur and re-route changes to the appropriate approving authority as necessary.

13. Other site-specific information is required by the fire code official.

    Addressing Section 3301.1.1/13. Components of the Site Safety Plan shall be a bidding requirement and will be the sole responsibility of the awarded General Contractor. Any site-specific information that is required by the fire code official will be addressed and provided as a submittal by the awarded General Contractor. Once submittal has been approved, the General Contractor shall be responsible for maintaining and updating the submittal and site logistics plan, if applicable, for any changes that may occur.

FIRE LIFE SAFETY PLAN STEPS

STEPS FOR ANY FIRE RELATED EMERGENCY ARE AS FOLLOWS:
1. RESCUE/ REMOVE.
2. ALERT/ ACTIVATE
3. CONFINE
4. EXTINGUISH/ EVACUATE

RESCUE/ REMOVE
RESCUE AND REMOVE ALL PERSON(S) FROM THE IMMEDIATE FIRE SCENE/ ROOM

ALERT/ ACTIVATE
ACTIVATE THE NEAREST FIRE ALARM PULL STATION, ALERT ALL STAFF AND STUDENTS, CALL OUT "CODE RED", THEN DIAL 911

CONFINE
CONFINE ALL FIRE AND SMOKE BY CLOSING ALL DOORS TO ROOMS AND AREAS IF POSSIBLE WITHOUT PUTTING YOURSELF OR OTHERS IN DANGER.

EXTINGUISH/ EVACUATE
EXTINGUISH SMALL FIRES USING THE NEAREST FIRE EXTINGUISHER OR USE THE EXTINGUISHER TO ESCAPE FROM LARGE FIRES IF NECESSARY. USE THE P.A.S.S. TECHNIQUE TO PUT OUT THE FIRE.

P - PULL THE PIN IN THE EXTINGUISHER
A - AIM THE NOZZLE AT THE LOW BASE OF THE FIRE
S - SQUEEZE THE TRIGGER OF THE EXTINGUISHER
S - SWEEP THE EXTINGUISHER FROM SIDE TO SIDE OF THE FIRE TO COVER ALL AREAS THE FIRE MAY HAVE SPREAD TO

EXIT PATH AND EMERGENCY EVACUATION MUSTER AREAS ARE AS FOLLOWS:
SEE SHEET G101 AND G103

CITY FIRE ACCESS PATH AND HYDRANT LOCATION:
SEE SHEET G101

FINAL DSA FIRE SAFETY & PREVENTION PLAN, FOLLOWING GUIDELINES PER DSA BULLETIN BU 24-05, WILL BE COORDINATED BETWEEN DISTRICT AND ITS AGENTS AND THE AWARDED GENERAL CONTRACTOR.

A WRITTEN SITE SAFETY PLAN IN COMPLIANCE WITH CFC 3303.1.1 MUST BE PREPARED AND AVAILABLE ON SITE PRIOR TO COMMENCEMENT OF ANY MOBILIZATION, DEMOLITION AND/ OR CONSTRUCTION.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED ARCHITECT
CHRISTOPHER D. HOLAKIRA
NO. C 31100
REN 06-30-27
STATE OF CALIFORNIA

ARCHITECT / CONSULTANT STAMP

CONSULTANT LOGO

SWEETWATER UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

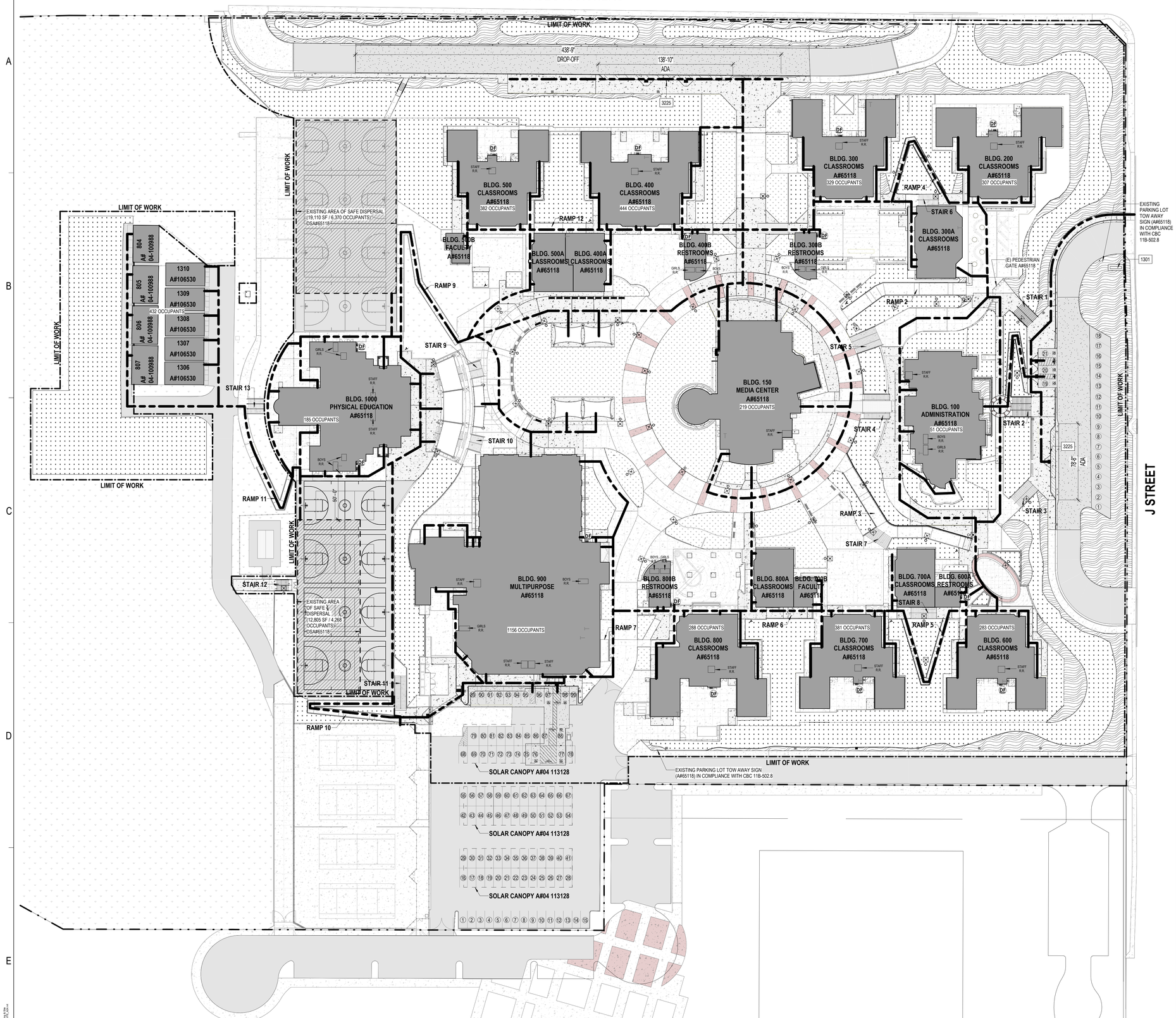
SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

FIRE SAFETY
PREVENTION PLAN

G102

Architects Mosher Drew, Inc. May Not, Directly or Indirectly, Transfer Any Of The Documents And Design Contained Herein To Any Other Person Or Entity Without The Prior Written Consent Of Architects Mosher Drew, Inc.



E1 / G103 ACCESSIBLE PATH OF TRAVEL PLAN
1" = 40'-0"

GENERAL SHEET NOTES

A. REFER TO SHEETS C2.0 THROUGH C2.12 FOR GRADING AND SLOPES

B. REFER TO SHEET AS601 FO SECURITY GATE INFORMATION

ACCESSIBLE NOTES

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR THE PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECTS, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECCESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THE PROJECTS WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THE CONSTRUCTION DOCUMNETS. ANY NONCOMPLIANT ELEMENTS, FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF CONSTUCTION CHANGE DOCUMENT.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCOMFORMING BEYOND REASONABLE CONSTRUCTION TOELERANCES. THEY SHALL BE BROUGHT IN COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

PATH OF TRAVEL TECHNICAL REQUIREMENTS

PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESSIBLE ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT A SLOPE NOT STEEPER THAN 1:2, EXCEPT THAT LEVEL CHANGES ARE 1/4" MAXIMUM VERTICAL AND IS AT LEAST 48" WIDE. SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND RUNNING SLOPE SHALL NOT BE STEEPER THAN 1:20 UNLESS OTHERWISE INDICATED (SECTION 11B-403.3). P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM ABOVE FINISH GRADE (SECTION 11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL SURFACE BETWEEN 27" AND 80" ABOVE FINISH FLOOR OR GROUND (SECTION 11B-307.2). PROVIDE FLUSH TRANSITIONS AT ANY ADJOINING JOINTS BETWEEN NEW AND EXISTING WALK SURFACES IN P.O.T. ARCHITECT TO VERIFY THAT THERE ARE NO BARRIERS.

SAFE DISPERSAL AREA CALCULATION

BUILDING OCCUPANCIES

BUILDING	OCCUPANTS
100	51
150	219
200	307
300	329
400	444
500	382
600	283
700	381
800	288
900	1,156
1000	185
PORTABLES	432
TOTAL :	4,457 OCCUPANTS

AREA OF SAFE DISPERSAL REQUIREMENT: 3SF X OCCUPANT

TOTAL AREA OF SAFE DISPERSAL REQUIRED: 13,371 SF

TOTAL AREA OF SAFE DISPERSAL PROVIDED: 31,915 SF (100% SURFACE IS ACCESSIBLE)

PARKING TABULTION

PARKING LOT	STND.	TOTAL ACCESSIBLE		ACCESSIBLE VAN		TOTAL	COVERED ACCESSIBLE SPACES
		REQ.	PROVIDED	REQ.	PROVIDED		
FACULTY/ STAFF PARKING	94	4	5	1	1	**99**	0
PUBLIC PARKING	18	1	3	1	1	**21**	1

NOTES:

- TOTAL PARKING STALLS: **120**.
- NO CHANGES TO PUBLIC PARKING NOR FACULTY/ STAFF PARKING.

KEYNOTES

1301 DSA APPROVED PRE-CHECK (PC) A#04-124634 TWO COLUMN CAISSON - BOLT DOWN, ELECTRONIC MARQUEE: 10' HIGH POSTS, 11.81' X 5.94' X 27" W/ 2' ILLUMINATED SCHOOL NAME (TWO-SIDED); REFERENCE SHEET PC101

3225 INSTALL STUDENT DROP-OFF SIGN

LEGEND

- LIMIT OF WORK LINE
- PROPERTY LINE
- ACCESSIBLE PATH OF TRAVEL
- (E) ORNAMENTAL FENCING
- (E) CHAIN LINK FENCING
- (E) STRUCTURE TO REMAIN
- (E) LANDSCAPE AREA
- (N) ARTIFICIAL TURF AREA PER LANDSCAPE
- (N) PLANTING AREA PER LANDSCAPE
- (E) ASPHALT
- (E) CONCRETE
- (E) CONCRETE WITH INTEGRAL COLOR
- (N) ASPHALT PER CIVIL
- (N) CONCRETE PER CIVIL
- (E) SAFE DISPERSAL AREA
- DF DRINKING FOUNTAIN
- G RR B RR STUDENT ACCESSIBLE RESTROOM
- S RR STAFF GENDER NEUTRAL RESTROOM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
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All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED ARCHITECT — JAMES M. HOLAKIRI — NO. C 31100 — REN 06-30-27 — STATE OF CALIFORNIA

ARCHITECT / CONSULTANT STAMP

CONSULTANT LOGO

SWEETWATER UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

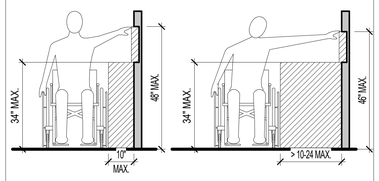
DSA BACKCHECK

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

ACCESSIBLE PATH OF TRAVEL PLAN

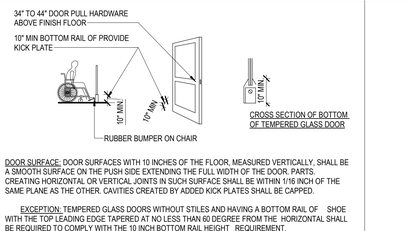
G103

Architects Mosher Drew San Diego, Building & Site Rehabilitation Rancho Del Rey Middle School Sweetwater Union High School District 1174 E. J Street Chula Vista, CA 91910



CBC FIGURE 11B-308.3.2

B3 G201 OBSTRUCTED HIGH SIDE REACH
1/2" = 1'-0"

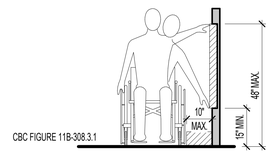


DOOR SURFACE: DOOR SURFACES WITH 10 INCHES OF THE FLOOR, MEASURED VERTICALLY, SHALL BE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR. PARTS. CREATING HORIZONTAL OR VERTICAL JOINTS IN SUCH SURFACE SHALL BE WITHIN 1/16 INCH OF THE SAME PLANE AS THE OTHER. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED.

EXCEPTION: TEMPERED GLASS DOORS WITHOUT STILES AND HAVING A BOTTOM RAIL OF SHOE WITH THE TOP LEADING EDGE TAPERED AT NO LESS THAN 60 DEGREE FROM THE HORIZONTAL SHALL BE REQUIRED TO COMPLY WITH THE 10 INCH BOTTOM RAIL HEIGHT REQUIREMENT.

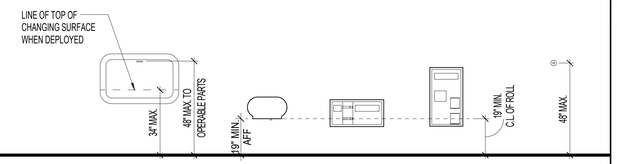
DOOR HARDWARE: HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FLOOR. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.

C2 G201 DOOR BOTTOM PANEL
1" = 1'-0"

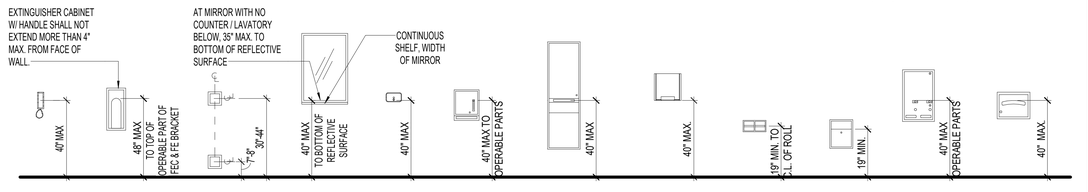


CBC FIGURE 11B-308.3.1

C3 G201 UNOBSTRUCTED SIDE REACH
1/2" = 1'-0"

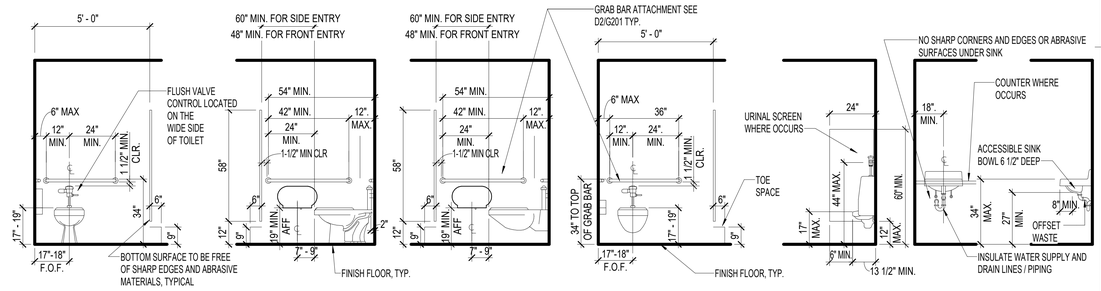


BABY CHANGING STATION (4" MAX. PROJECTION WHEN CLOSED) | SURFACE MOUNTED TWIN JUMBO-ROLL TOILET TISSUE DISPENSER | RECESEED COMBINATION SEAT COVER DISPENSER HORIZONTAL (4" MAX. PROJECTION) | RECESEED COMBINATION SEAT COVER DISPENSER VERTICAL (4" MAX. PROJECTION) | COAT HOOK (4" MAX. PROJECTION)



EMERGENCY TELEPHONE (4" MAX PROJECTION) | FIRE EXTINGUISHER CABINET (4" MAX PROJECTION) | WALL MOUNTED POWER DOOR OPERATOR SWITCH (4" MAX PROJECTION) INT & EXT. SIDE OF DOOR | MIRROR | SOAP DISPENSER | PAPER TOWEL DISPENSER (4" MAX PROJECTION) | PAPER TOWEL DISPENSER WITH ATTACHED TRASH RECEPTACLE | HAND DRYER (4" MAX. PROJECTION) | TOILET PAPER HOLDER AT ACCESSIBLE W.C. (4" MAX PROJECTION) | SANITARY NAPKIN DISPOSAL (4" MAX PROJECTION) | SANITARY NAPKIN DISPENSER (4" MAX PROJECTION) | SEAT COVER DISPENSER (4" MAX PROJECTION)

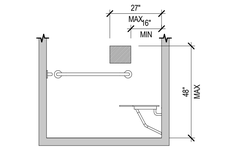
TOILET ACCESSORIES MOUNTING HEIGHTS (FROM FINISH FLOOR)



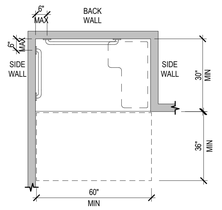
FLOOR MOUNTED WATER CLOSET BACK WALL | FLOOR MOUNTED WATER CLOSET SIDE WALL | WALL MOUNTED WATER CLOSET SIDE WALL | WALL MOUNTED WATER CLOSET BACK WALL | URINAL | LAVATORY OR VANITY SINK REFER TO DETAIL D6 G201 E6 G201

PLUMBING FIXTURES AND ACCESSORIES MOUNTING HEIGHTS

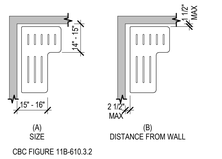
FIXTURE AND ACCESSORY ACCESSIBILITY REQUIREMENTS
C4 G201 3/8" = 1'-0"



CBC FIGURE 11B-608.5.2
STANDARD ROLL-IN TYPE SHOWER COMPARTMENT CONTROL LOCATION

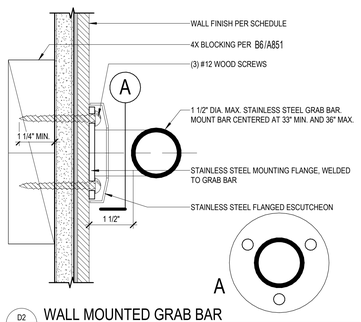


CBC FIGURE 11B-608.3.2
GRAB BARS FOR STANDARD ROLL-IN TYPE SHOWER

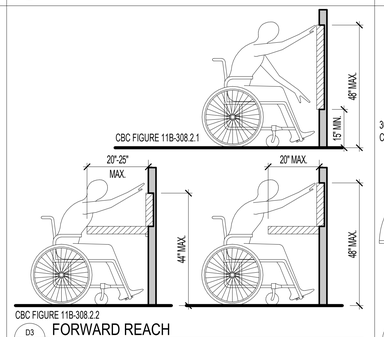


CBC FIGURE 11B-610.3.2
L-SHAPED SHOWER SEAT

E1 G201 ACCESSIBLE ROLL-IN SHOWER
3/8" = 1'-0"

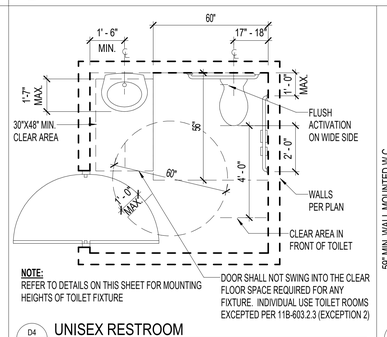


D2 G201 WALL MOUNTED GRAB BAR
6" = 1'-0"



CBC FIGURE 11B-308.2.2

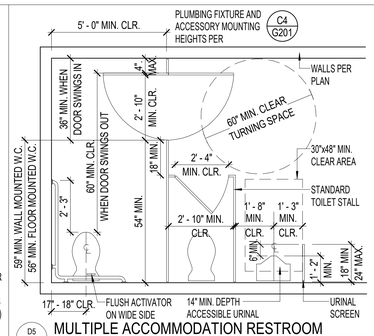
D3 G201 FORWARD REACH
1/2" = 1'-0"



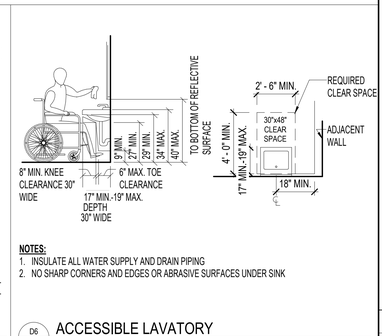
NOTE: REFER TO DETAILS ON THIS SHEET FOR MOUNTING HEIGHTS OF TOILET FIXTURE

DOOR SHALL NOT SWING INTO THE CLEAR FLOOR SPACE REQUIRED FOR ANY FIXTURE. INDIVIDUAL USE TOILET ROOMS EXCEPTED PER 11B-603.2.3 (EXCEPTION 2)

D4 G201 UNISEX RESTROOM
3/8" = 1'-0"

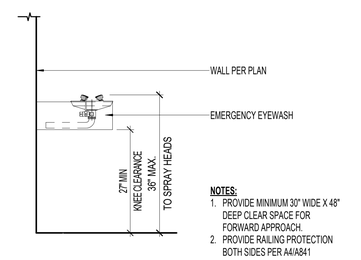


D5 G201 MULTIPLE ACCOMMODATION RESTROOM
3/8" = 1'-0"



NOTES:
1. INSULATE ALL WATER SUPPLY AND DRAIN PIPING
2. NO SHARP CORNERS AND EDGES OR ABRASIVE SURFACES UNDER SINK

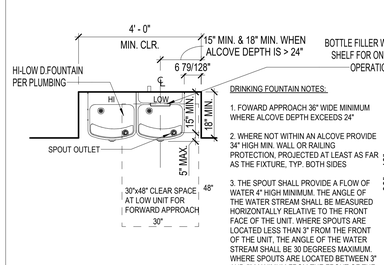
D6 G201 ACCESSIBLE LAVATORY
1/4" = 1'-0"



E3 G201 CLEAR DOOR WIDTH AND DEPTH
1/2" = 1'-0"

NOTES:
1. PROVIDE MINIMUM 30" WIDE X 48" DEEP CLEAR SPACE FOR FORWARD APPROACH.
2. PROVIDE RAILING PROTECTION BOTH SIDES PER A4/A841

E2 G201 ACCESSIBLE EYEWASH
3/4" = 1'-0"



PLAN - DRINKING FOUNTAIN IN ALCOVE

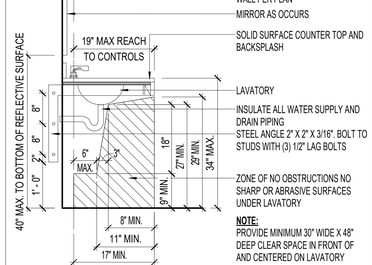
DRINKING FOUNTAIN NOTES:

1. FOWARD APPROACH 36" WIDE MINIMUM WHERE ALCOVE DEPTH EXCEEDS 24"

2. WHERE NOT WITHIN AN ALCOVE PROVIDE 36" HIGH MIN. WALL OR RAILING PROTECTION, PROJECTED AT LEAST AS FAR AS THE FIXTURE, TYP. BOTH SIDES

3. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4" HIGH MINIMUM. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3" FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPOUTS ARE LOCATED BETWEEN 3" AND 5" MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAXIMUM.

E4 G201 ACCESSIBILITY REQUIREMENTS FOR DRINKING FOUNTAINS
1/2" = 1'-0"



NOTE: PROVIDE MINIMUM 30" WIDE X 48" DEEP CLEAR SPACE IN FRONT OF AND CENTERED ON LAVATORY

E6 G201 ACCESSIBLE LAVATORY IN COUNTER
3/4" = 1'-0"

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IDENTIFICATION STAMP
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DATE: 02/17/2026

ARCHITECTS
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LICENSED ARCHITECT
REGISTERED IN HOLA KIRA
NO. C 31100
REN 06-30-27
STATE OF CALIFORNIA

ARCHITECT / CONSULTANT STAMP

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SWEETWATER UNION HIGH SCHOOL DISTRICT

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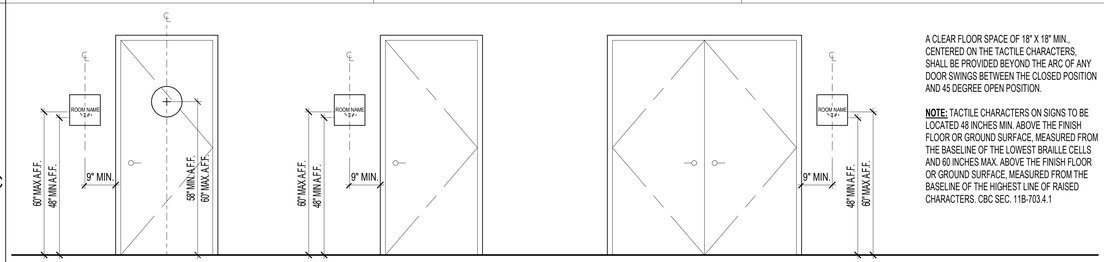
1174 E. J STREET, CHULA VISTA, CA 91910

DSA BACKCHECK

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

ACCESSIBILITY DETAILS

G201



INWARD SWINGING DOORS ONLY: CENTER ON DOOR. SIGN TO BE APPROACHABLE TO A DISTANCE OF 0" WITHOUT ENCOUNTERING OBSTACLES OR STANDING IN THE DOOR SWING

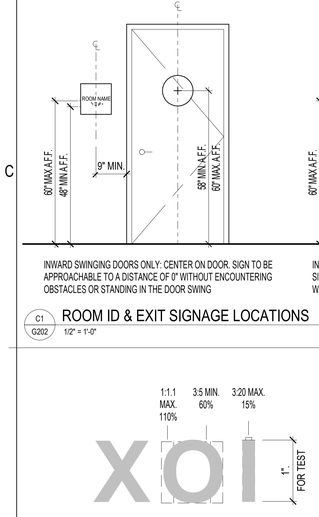
INWARD/OUTWARD SWINGING DOORS: ON WALL ADJACENT TO LATCH SIDE OF DOOR. SIGN TO BE APPROACHABLE TO A DISTANCE OF 0" WITHOUT ENCOUNTERING OBSTACLES OR STANDING IN THE DOOR SWING

DOUBLE DOORS: ON WALL ADJACENT TO DOORS, PREFERABLY TO THE RIGHT OF THE OPENING. SIGN TO BE APPROACHABLE TO A DISTANCE OF 0" WITHOUT ENCOUNTERING OBSTACLES OR STANDING IN THE DOOR SWING. PROVIDE RESTRICTION FOR THIS DOOR TO BE 90 DEGREES MAX

A CLEAR FLOOR SPACE OF 18" X 18" MIN., CENTERED ON THE TACTILE CHARACTERS, SHALL BE PROVIDED BEYOND THE ARC OF ANY DOOR SWINGS BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

NOTE: TACTILE CHARACTERS ON SIGNS TO BE LOCATED 48 INCHES MIN. ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60 INCHES MAX. ABOVE THE FINISH FLOOR OR GROUND SURFACE. MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS. CBC SEC. 11B-703.4.1

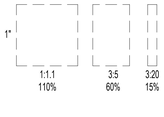
C1 / G202 ROOM ID & EXIT SIGNAGE LOCATIONS
1/2" = 1'-0"



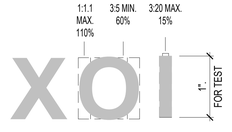
1. CHARACTER DEPTH: CHARACTERS ON SIGNS SHALL BE RAISED 1/32" MIN. ABOVE THEIR BACKGROUND AND SHALL BE SANS SERIF UPPERCASE AND BE DUPLICATED IN BRAILLE.
2. CHARACTER HEIGHT: RAISED CHARACTERS SHALL BE 5/8" MINIMUM AND 2" MAXIMUM BASED ON THE HEIGHT OF THE LETTER "I"
3. FINISH AND CONTRAST: CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND
4. PROPORTIONS: CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 10%-15% MAXIMUM OF THE HEIGHT OF THE CHARACTER TO MEET VISUAL AND RAISED CHARACTER REQUIREMENTS.

PER CBC SECS. 11B-703.2 AND 11B-703.5

ALL LETTERS MEASURED MUST BE UPPERCASE. AFTER CHOOSING A TYPE STYLE USE THE TEMPLATES 1:1.1 SQUARE OVER THE "X" OR "O", WHICHEVER IS NARROWER. IF THE CHARACTER IS NOT WIDER THAN 1:1 INCH, NOR NARROWER THAN THE 3:5 RECTANGLE, THE PROPORTIONS ARE CORRECT. USE THE 15% RECTANGLE TO DETERMINE IF THE STROKE OF THE "I" IS TOO BROAD OR TOO NARROW. IF ALL THE TESTS ARE PASSED, THE TYPE STYLE IS COMPLIANT WITH PROPORTION CODE.



E1 / G202 ACCESSIBLE RAISED CHARACTER FONT SAMPLE
1 1/2" = 1'-0"



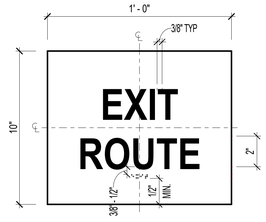
1. FINISH AND CONTRAST: CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH AND CONTRAST WITH THEIR BACKGROUND.
2. CASE: CHARACTERS SHALL BE UPPERCASE OR LOWERCASE OR A COMBINATION OF BOTH
3. STYLE: CHARACTER SHALL BE CONVENTIONAL IN FORM AND NOT ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OTHER UNUSUAL FORMS.
4. PROPORTIONS: CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE LETTER "I". STROKE THICKNESS OF THE THE UPPERCASE LETTER "I" SHALL BE 10% MINIMUM AND 20% MAXIMUM THE HEIGHT OF THE CHARACTER.
5. CHARACTER HEIGHT: MIN. CHARACTER HEIGHT SHALL COMPLY WITH TABLE AND BE DETERMINED BY THE CLOSEST VIEWING DISTANCE AND THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE 'I'.
6. INSTALL HEIGHT: VISUAL CHARACTERS SHALL BE 40 INCHES MIN. ABOVE FINISH FLOOR OR GROUND.
7. CHARACTER SPACING: SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT CHARACTERS, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 10% MINIMUM AND 35% MAXIMUM OF CHARACTER HEIGHT.
8. LINE SPACING: SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE 35% MINIMUM AND 70% MAXIMUM OF THE CHARACTER HEIGHT.
9. FORMAT: TEXT SHALL BE IN A HORIZONTAL FORMAT.

PER CBC SECS. 11B-703.5
WHERE VISUAL CHARACTER COMPLY WITH "RAISED CHARACTERS" OF 11B-703.2 AND "BRAILLE REQUIREMENTS" OF 11B-703.3, THEY ARE NOT REQUIRED TO COMPLY WITH THESE REQUIREMENTS. MUST COMPLY WITH STROKE THICKNESS REQUIREMENTS 11B-703.2.6 & 11B-703.5.7

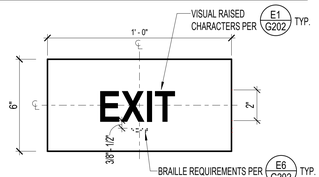
TABLE *11B*-703.5.5
VISUAL CHARACTER HEIGHT

HEIGHT TO FINISH FLOOR OR GROUND FROM BASELINE OF CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
40 inches (*1016* mm) to less than or equal to 70 inches (*1778* mm)	less than 72 inches (*1829* mm)	$^{5}/_{8}$ inch (*15.9* mm)
	72 inches (*1829* mm) and greater	$^{5}/_{8}$ inch (*15.9* mm), plus $^{1}/_{8}$ inch (3.2 mm) per foot (305 mm) of viewing distance above 72 inches (*1829* mm)
Greater than 70 inches (*1778* mm) to less than or equal to 120 inches (*3048* mm)	less than 180 inches (*4572* mm)	2 inches (51 mm)
	180 inches (*4572* mm) and greater	2 inches (51 mm), plus $^{1}/_{8}$ inch (3.2 mm) per foot (305 mm) of viewing distance above 180 inches (*4572* mm)
greater than 120 inches (*3048* mm)	less than 21 feet (*6401* mm)	3 inches (76 mm)
	21 feet (*6401* mm) and greater	3 inches (76 mm), plus $^{1}/_{8}$ inch (3.2 mm) per foot (305 mm) of viewing distance above 21 feet (*6401* mm)

E2 / G202 ACCESSIBLE VISUAL CHARACTERS FONT SAMPLE
1 1/2" = 1'-0"



EXIT SIGN FOR CORRIDORS, HALLWAYS OR SPACES LEADING TO A DIRECT EXIT



DIRECT EXIT SIGN

CBC 1013.6.1 GRAPHICS

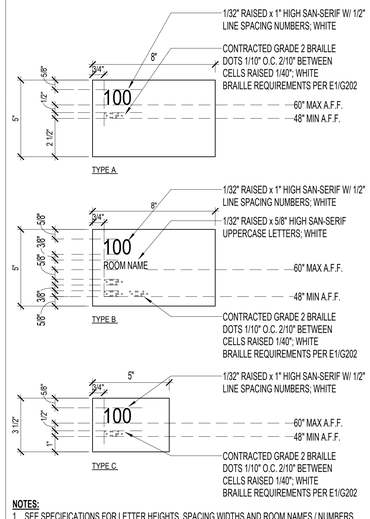
EVERY EXIT SIGN AND DIRECTIONAL EXIT SIGN SHALL HAVE PLAINLY LEGIBLE CHARACTERS MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8 INCH MINIMUM AND 2 INCHES MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I" (CBC 11B-703.2.5). THE WORD "EXIT" SHALL HAVE LETTERS HAVING A WIDTH NOT LESS THAN 2 INCHES WIDE, EXCEPT THE LETTER "I," AND THE MINIMUM SPACING BETWEEN LETTERS SHALL NOT BE LESS THAN 3/8 INCH. SIGNS LARGER THAN THE MINIMUM ESTABLISHED IN THIS SECTION SHALL HAVE LETTER WIDTHS, STROKES, AND SPACING IN PROPORTION TO THEIR HEIGHT.

THE WORD "EXIT" SHALL BE IN HIGH CONTRAST WITH THE BACKGROUND AND SHALL BE CLEARLY DISCERNIBLE WITH THE MEANS OF THE EXIT SIGN ILLUMINATION IS OR IS NOT ENERGIZED. IF A CHEVRON DIRECTIONAL INDICATOR IS PROVIDED AS PART OF THE EXIT SIGN, THE CONSTRUCTION SHALL BE SUCH THAT THE DIRECTION OF THE CHEVRON DIRECTIONAL INDICATOR CANNOT BE READILY CHANGED.

REFER TO 1013.4 (FOR DSA/AC & SFM) TACTILE EXIT SIGNAGE

1. EACH GRADE-LEVEL EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD, "EXIT."
2. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR AND EXIT PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE SIGN WITH THE WORDS, "EXIT ROUTE."
3. EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE."
4. SEE DETAIL C1 / G202 FOR SIGNAGE PLACEMENT ADJACENT TO DOORS

E4 / G202 EXIT SIGNAGE
3" = 1'-0"



NOTES:

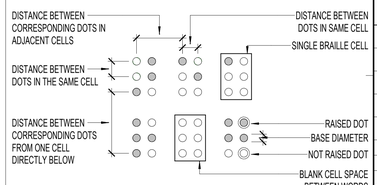
1. SEE SPECIFICATIONS FOR LETTER HEIGHTS, SPACING WIDTHS AND ROOM NAMES / NUMBERS. SEE GRAPHIC DRAWINGS FOR SIGNAGE DESIGN. SEE ROOM FINISH SCHEDULES AND DOOR SCHEDULES FOR ALL ROOM NAMES AND NUMBERS.
2. SEE DETAIL C6 ON SHEET G202 FOR COMPLIANT FONT SIZE
3. SEE DETAIL C1 ON SHEET G202 FOR SIGNAGE PLACEMENT ADJACENT TO DOORS
4. MOUNTING HEIGHT: A TACTILE SIGN SHALL BE LOCATED 48" MINIMUM TO THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60" MAXIMUM TO THE BASELINE OF THE HIGHEST LINE OF THE RAISED CHARACTERS ABOVE THE FINISH FLOOR OR GROUND SURFACE
5. SEE DETAIL E6 ON SHEET G202 FOR BRAILLE REQUIREMENTS

E5 / G202 ROOM IDENTIFICATION SIGNAGE
3" = 1'-0"

TABLE 11B-703.3.1 BRAILLE DIMENSIONS

MEASUREMENT RANGE	MIN. IN INCHES TO MAX. IN INCHES
DOT BASE DIAMETER	0.059 TO 0.063
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL MEASURED CENTER TO CENTER	0.100
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS MEASURED CENTER TO CENTER	0.300
DOT HEIGHT	0.025 TO 0.037
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW MEASURED CENTER TO CENTER	0.395 TO 0.400

FIGURE 11B-703.3.1 BRAILLE MEASUREMENT



NOTES PER CBC SECTIONS AS FOLLOWS:

1. 11B-703.3 BRAILLE: BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTIONS 11B-703.3 AND 11B-703.4.
2. 11B-703.3.1 DIMENSIONS AND CAPITALIZATION: BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 11B-703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTER OF THE ALPHABET, INITIALS, AND ACRONYMS.
3. 11B-703.3.2 POSITION: BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LET OR CENTERED. IF TEXT IS MULTI-LINES, BRAILLE SHALL BE PLACES BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH MINIMUM AND 1/2 INCH MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

E6 / G202 BRAILLE REQUIREMENTS
3" = 1'-0"

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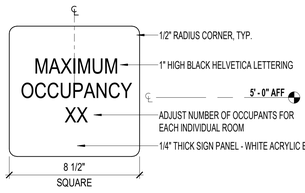
Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

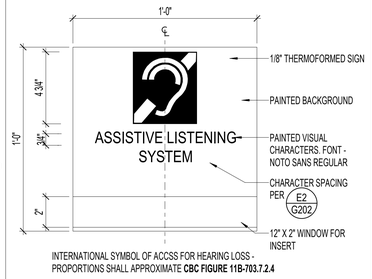
ACCESSIBILITY DETAILS

G202



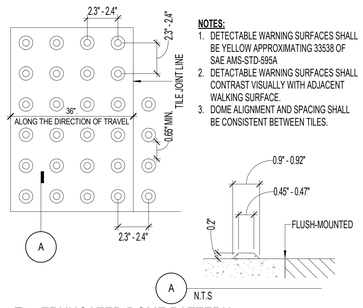
NOTE: CONFIRM VISUAL CHARACTERS WITH OWNER PRIOR TO FABRICATION

A5 G203 MAX. OCCUPANCY SIGN
3" = 1'-0"



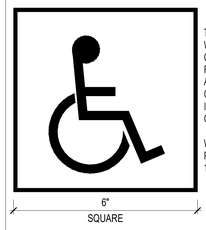
INTERNATIONAL SYMBOL OF ACCSS FOR HEARING LOSS - PROPORTIONS SHALL APPROXIMATE **CBC FIGURE 11B-703.7.2.4**

A6 G203 ASSISTIVE LISTENING SIGNAGE (ALS)
3" = 1'-0"



NOTES:
1. DETECTABLE WARNING SURFACES SHALL BE YELLOW APPROXIMATING 33538 OF SAE AMS-STD-595A
2. DETACTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACE.
3. DOME ALIGNMENT AND SPACING SHALL BE CONSISTENT BETWEEN TILES.

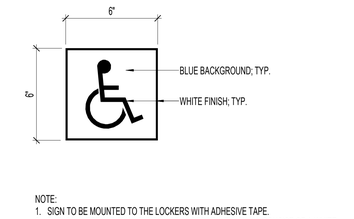
B5 G203 TRUNCATED DOME PATTERN
3" = 1'-0"



THE SYMBOL SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE COLOR BLUE SHALL APPROXIMATE FS15090 IN FEDERAL STANDARD 595C. A BORDER MAY BE PROVIDED INSIDE OR OUTSIDE OF THE MINIMUM REQUIRED INTERNATIONAL SYMBOL OF ACCESSIBILITY DIMENSION.

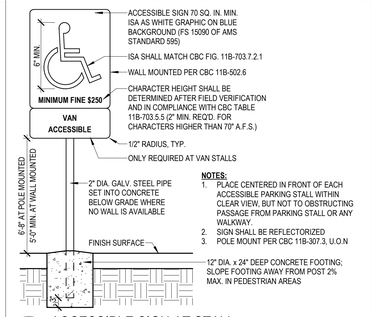
WHEREVER USED THE ISA COLOR AND PROPORTIONS SHALL MATCH CBC FIG. 11B-703.7.2.1

B6 G203 INTL. SYMBOL OF ACCESSIBILITY
6" = 1'-0"



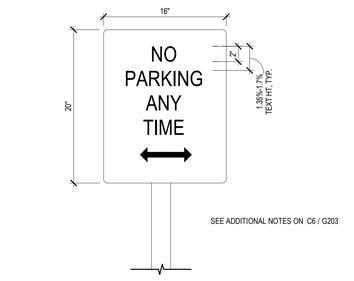
NOTE:
1. SIGN TO BE MOUNTED TO THE LOCKERS WITH ADHESIVE TAPE.
2. THE ISA (INTERNATIONAL SYMBOL OF ACCESSIBILITY) SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE COLOR BLUE SHALL APPROXIMATE FS 15090 IN FEDERAL STANDARD 595C. (FIG. 11B-703.7.2.1)

C5 G203 ACCESSIBLE LOCKER SIGN
3" = 1'-0"

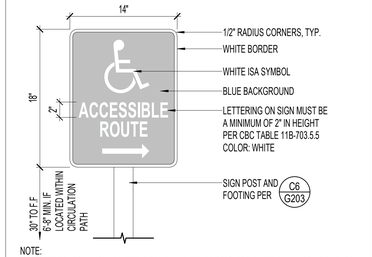


NOTES:
1. PLACE CENTERED IN FRONT OF EACH ACCESSIBLE PARKING STALL WITHIN CLEAR VIEW, BUT NOT TO OBSTRUCTING PASSAGE FROM PARKING STALL OR ANY WALKWAY.
2. SIGN SHALL BE REFLECTORIZED
3. POLE MOUNT PER CBC 11B-307.3, U.O.N

C6 G203 ACCESSIBLE SIGN AT STALL
3/8" = 1'-0"



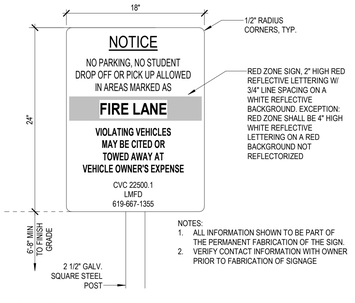
D5 G203 NO PARKING SIGN
1 1/2" = 1'-0"



NOTE:
1. REFER TO VISUAL CHARACTER REQUIREMENTS, E2/G202, FOR ADDITIONAL REQUIREMENTS.
2. THE ISA (INTERNATIONAL SYMBOL OF ACCESSIBILITY) SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE COLOR BLUE SHALL APPROXIMATE FS 15090 IN FEDERAL STANDARD 595C. (FIG. 11B-703.7.2.1)

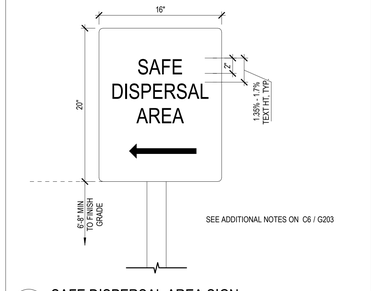
D6 G203 ACCESSIBLE ROUTE SIGN
1 1/2" = 1'-0"

E4 G203 FIRE LANE MARKING DETAIL
3/4" = 1'-0"



NOTES:
1. ALL INFORMATION SHOWN TO BE PART OF THE PERMANENT FABRICATION OF THE SIGN.
2. VERIFY CONTACT INFORMATION WITH OWNER PRIOR TO FABRICATION OF SIGNAGE

E5 G203 FIRE LANE SIGN
1 1/2" = 1'-0"



SEE ADDITIONAL NOTES ON C6 / G203

E6 G203 SAFE DISPERSAL AREA SIGN
1 1/2" = 1'-0"

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Project Number	:	24203.10
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Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

ACCESSIBILITY DETAILS

G203

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STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
This document is used to demonstrate compliance with mandatory requirements in 110.8(g) and 120.7(b)/ 160.1 for newly constructed nonresidential, hotel/ motel, multifamily and mixed-use buildings, and 141.0(b)1/ 180.2 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in 140.3/ 170.2 for newly constructed buildings, and 141.0/ 180.1/ 180.2 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.		
Project Name: RDRMS - BLDG 100	**Report Page:**	**(Page 1 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

A. GENERAL INFORMATION

01	Project Location (city)	CHULA VISTA	05	# of Stories (Habitable Above Grade)	1
02	Zipcode	91910	06	Total Conditioned Floor Area (ft²)	9760
03	Climate Zone	10	07	Total Unconditioned Floor Area (ft²)	0
04	Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per 100.0(f).		08	☐ Project includes unconditioned enclosed space(s) > 5,000 ft² under a roof with a ceiling height of at least 15 ft.[1]	

● All Other Occupancies

[1] FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/ 170.2(b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/ 170.2 and 141.0(a)1/ 180.1 and 141.0(b)1 and 2/ 180.2 for additions and alterations.

My project consists of (check all that apply)		Component Types					
01		02					
☐	New Construction or Newly Conditioned Space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition of conditioned space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft						
☐	Addition is <=700 ft²			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition is >700 ft²						
☒	Alteration of conditioned space	☒	Roof Assembly	☐	Walls		
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft and lighting system installed for the first time	☒	Roofing Material[2]	☐	Floors	☐	Fenestration

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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 100	**Report Page:**	**(Page 2 of 7)**
	Date Prepared:	11/17/2025

B. PROJECT SCOPE

[1]*FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.*
[2]*Roof recovers and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.*

C. COMPLIANCE RESULTS

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

Opaque Envelope Components					Fenestration	Daylighting Spaces > 5,000ft²	Compliance Results
Roof Assembly	Roofing Materials	Walls	Floors	Doors			
01	02	03	04	05	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	COMPLIES
Yes	Yes						

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.

F. ROOF ASSEMBLY SCHEDULE

This table demonstrates compliance for prescriptive roof assembly requirements in 140.3(a)1B/ 170.2(a)1B for new construction, 141.0(a)/ 180.1 for additions, or 141.0(b)2Biii/ 180.2 for alterations,

01	Indicate roof types included in the project:	☒	Framed	☐	Framed-Multifamily	☐	SIPS	☐	Span Deck & Concrete	☐	Metal Panels	☒	Metal Building

Framed Roof Assemblies

01	☒	Include Framed Roof Assemblies in Area-Weighted Average U-factor Calculation[1]		
02	03	04	05	06

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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 100	**Report Page:**	**(Page 3 of 7)**
	Date Prepared:	11/17/2025

F. ROOF ASSEMBLY SCHEDULE

Framed Roof Assemblies

Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in §141.0(b)2Biii (Alts. Only)	Occupancy Type
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered		Nonresidential/ Relocatable 1 CZ

07	08	09	10	11	12	13	14	15		16
Tag/Plan Detail ID	How Design U-factor was determined	Roof Type & Frame Material	Frame Spacing Depth	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
								per JA4 per Software/ Other		
Roof - Low Slope	JA4 Tables	Wood		19	10	U-factor	0.055	0.033		5493

[1]*FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.*
[2] *For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.*
[3] *If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.*
[4] *Roof area minus any fenestration/ skylight area*

Metal Building Roof Assemblies

01	☒	Calculate Area-Weighted Average U-factor for Metal Building Roof[1]		
02	03	04	05	06
Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in 141.0(b)2Biii (Alts. Only)	Occupancy Type
Roof - Metal Std. Seam	New Replacement Roof (Metal Standing Seam)	Altered		Nonresidential/ Relocatable 1 CZNonresidential

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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 100	**Report Page:**	**(Page 4 of 7)**
	Date Prepared:	11/17/2025

F. ROOF ASSEMBLY SCHEDULE

07	08	09	10	11	12	13	14		15
Tag/Plan Detail ID	How Design U-factor was determined	Insulation System	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
							per JA4 per Software/ Other		
Roof - Metal Std. Seam	JA4 Tables	Standing Seam, 1 Layer of Ins	19	10	U-factor	0.055	0.045		4267

[1]*FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.*
[2] *For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.*
[3] *If "R-value" is shown in cell 12 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.*
[4] *Roof area minus any fenestration/ skylight area*

Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Framed	5493	0.055	0.033	
Total for all Roof Types:	**5493**	**0.055**	**0.033**	**COMPLIES**

Area-Weighted Average U-factor Compliance Calculation for Metal Building Roof

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Metal Building	**4267**	**0.055**	**0.045**	**COMPLIES**

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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 100	**Report Page:**	**(Page 5 of 7)**
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G. RATED ROOFING MATERIAL (COOL ROOF)

This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/ 170.2(a)1A for new construction, 141.0(a)/ 180.1 for additions, and 141.0(b)2B/ 180.2 for alterations. Roof recovers and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

01	02	03	04	05	06	07	08				09		10
Tag/Plan Detail ID	Name/ Description/ Location	Status	Occupancy Type	Roof Slope	Roof Material	Compliance Method	Required Minimum Material Performance				Designed Material Performance		U-factor / R-value of Assembly
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Reflectance[1]	0.63			
							Emittance	0.75	Emittance	0.75			
							SRI		SRI				
New Replacement Roof (Metal Standing Seam)	Roof - Metal Std. Seam	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Reflectance[1]	0.63			
							Emittance	0.75	Emittance	0.75			
							SRI		SRI				

H. WALL ASSEMBLY SCHEDULE

This section does not apply to this project.

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE

This section does not apply to this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 100	**Report Page:**	**(Page 6 of 7)**
	Date Prepared:	11/17/2025

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This section does not apply to this project.

L. DAYLIGHT IN LARGE ENCLOSED SPACES

This section does not apply to this project.

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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Form/Title
NRCI-ENV-01-E - Must be submitted for all buildings

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 100	**Report Page:**	**(Page 7 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

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.
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Responsible Designer Name: Alisha Aldo	Responsible Designer Signature:
Company: Architects Mosher Drew	Date Signed: 2025-11-17
Address: 1775 Hancock Street Suite 150	License: C-37428
City/State/Zip: San Diego CA 92110	Phone: 619 223 2400

Envelope Mandatory Measures:

110.6(a)1 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR AIR LEAKAGE
MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER NOT EXCEEDING 0.3 CFM/FT²OF WINDOW AREA, 0.3 CFM/FT²OF DOOR AREA FOR NONRESIDENTIAL SINGLE DOORS (SWINGING AND SLIDING), AND 1.0 CFM/FT²FOR NONRESIDENTIAL DOUBLE DOORS (SWINGING), WHEN TESTED ACCORDING TO NFRC-400 OR ASTM E283 AT A PRESSURE DIFFERENTIAL OF 75 PASCALS.

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ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL BE RATED FOR U-FACTOR ACCORDING TO NFRC PROCEDURES OR USE THE DEFAULT FENESTRATION VALUES IN TABLE 110.6-A AND DOOR VALUES IN JA4.5.

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ALL EXTERIOR JOINTS, PENETRATIONS, AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, OR OTHERWISE SEALED.

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INSTALLED INSULATION SHALL BE CERTIFIED BY THE DEPARTMENT OF CONSUMER AFFAIRS PER TITLE 24, PART 12, CHAPTERS 12-13, ARTICLE 3 "STANDARDS FOR INSULATING MATERIAL."

110.8(b) UREA FORMALDEHYDE INSULATION
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ALL ROOFING PRODUCTS SPECIFIED TO MEET AGED SOLAR REFLECTANCE/THERMAL EMITTANCE REQUIREMENTS SHALL BE CERTIFIED AND LABELED BY THE COOL ROOF RATING COUNCIL (CRRC) PER 10-113, OR USE DEFAULT VALUES IN 110.8(i)
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LIGHT MASS WALLS: U-FACTOR FOR 6" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.440
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WOOD FRAMED AND OTHER TYPES: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.110
SPANDREL PANELS AND CURTAIN WALLS: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.280
NOTE: ASSEMBLY OPTIONS CAN BE FOUND IN REFERENCE JOINT APPENDIX JA4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

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LICENSED ARCHITECT
ALISHA ALDO
NO. C 37428
REN 06-30-27
STATE OF CALIFORNIA

ARCHITECT / CONSULTANT STAMP

CONSULTANT LOGO

SWEETWATER UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

T-24 BUILDING 100 ENVELOPE

G301

Autodesk Docs://Rancho Del Rey - Building & Site Rehabilitation/24203.10_RDRMS_Building & Site Rehabilitation_Central_22.rvt

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
This document is used to demonstrate compliance with mandatory requirements in 110.8(g) and 120.7(b)/ 160.1 for newly constructed nonresidential, hotel/ motel, multifamily and mixed-use buildings, and 141.0(b)1/ 180.2 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in 140.3/ 170.2 for newly constructed buildings, and 141.0/ 180.1/ 180.2 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.		
Project Name: RDRMS - BLDG 150	**Report Page:**	**(Page 1 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

A. GENERAL INFORMATION

01	Project Location (city)	CHULA VISTA	05	# of Stories (Habitable Above Grade)	1
02	Zipcode	91910	06	Total Conditioned Floor Area (ft²)	12871
03	Climate Zone	10	07	Total Unconditioned Floor Area (ft²)	0
04	Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per 100.0(f).		08	☐ Project includes unconditioned enclosed space(s) > 5,000 ft² under a roof with a ceiling height of at least 15 ft.[1]	

● All Other Occupancies

[1] FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/ 170.2(b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/ 170.2 and 141.0(a)1/ 180.1 and 141.0(b)1 and 2/ 180.2 for additions and alterations.

My project consists of (check all that apply)		Component Types					
01		02					
☐	New Construction or Newly Conditioned Space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition of conditioned space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft						
☐	Addition is <=700 ft²			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition is >700 ft²						
☒	Alteration of conditioned space	☒	Roof Assembly	☐	Walls		
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft and lighting system installed for the first time	☒	Roofing Material[2]	☐	Floors	☐	Fenestration

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 150	**Report Page:**	**(Page 2 of 7)**
	Date Prepared:	11/17/2025

B. PROJECT SCOPE

[1] FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.
[2] Roof recovers and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

C. COMPLIANCE RESULTS

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

Opaque Envelope Components					Fenestration	Daylighting Spaces > 5,000ft²	Compliance Results
Roof Assembly	Roofing Materials	Walls	Floors	Doors			
01	02	03	04	05	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	COMPLIES
Yes	Yes						

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.

F. ROOF ASSEMBLY SCHEDULE

This table demonstrates compliance for prescriptive roof assembly requirements in 140.3(a)1B/ 170.2(a)1B for new construction, 141.0(a)/ 180.1 for additions, or 141.0(b)2Biii/ 180.2 for alterations,

01	Indicate roof types included in the project:	☒	Framed	☐	Framed-Multifamily	☐	SIPS	☐ Span Deck & Concrete	☐	Metal Panels	☒	Metal Building

Framed Roof Assemblies

01	☒	Include Framed Roof Assemblies in Area-Weighted Average U-factor Calculation[1]		
02	03	04	05	06

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 150	**Report Page:**	**(Page 3 of 7)**
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F. ROOF ASSEMBLY SCHEDULE

Framed Roof Assemblies

Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in §141.0(b)2Biii (Alts. Only)	Occupancy Type
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered		Nonresidential/ Relocatable 1 CZ

07	08	09	10	11	12	13	14	15		16
Tag/Plan Detail ID	How Design U-factor was determined	Roof Type & Frame Material	Frame Spacing Depth	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
								per JA4 per Software/ Other		
Roof - Low Slope	JA4 Tables	Wood		19	10	U-factor	0.055		0.033	7741

[1] FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Metal Building Roof Assemblies

01	☒	Calculate Area-Weighted Average U-factor for Metal Building Roof[1]		
02	03	04	05	06
Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in 141.0(b)2Biii (Alts. Only)	Occupancy Type
Roof - Metal Std. Seam	New Replacement Roof (Metal Standing Seam)	Altered		Nonresidential/ Relocatable 1 CZNonresidential

STATE OF CALIFORNIA
Envelope Component Approach
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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 150	**Report Page:**	**(Page 4 of 7)**
	Date Prepared:	11/17/2025

F. ROOF ASSEMBLY SCHEDULE

07	08	09	10	11	12	13	14		15
Tag/Plan Detail ID	How Design U-factor was determined	Insulation System	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
							per JA4 per Software/ Other		
Roof - Metal Std. Seam	JA4 Tables	Standing Seam, 1 Layer of Ins	19	10	U-factor	0.055		0.045	5130

[1] FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 12 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs

01	02	03		04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type			Compliance Results Using Area-Weighted Calculation Option
		Required		Designed	
Framed	7741	0.055		0.033	
Total for all Roof Types:	**7741**	**0.055**		**0.033**	**COMPLIES**

Area-Weighted Average U-factor Compliance Calculation for Metal Building Roof

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Metal Building	**5130**	**0.055**	**0.045**	**COMPLIES**

STATE OF CALIFORNIA
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Project Name: RDRMS - BLDG 150	**Report Page:**	**(Page 5 of 7)**
	Date Prepared:	11/17/2025

G. RATED ROOFING MATERIAL (COOL ROOF)

This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/ 170.2(a)1A for new construction, 141.0(a)/ 180.1 for additions, and 141.0(b)2B/ 180.2 for alterations. Roof recovers and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

01	02	03	04	05	06	07	08				09		10
Tag/Plan Detail ID	Name/ Description/ Location	Status	Occupancy Type	Roof Slope	Roof Material	Compliance Method	Required Minimum Material Performance				Designed Material Performance		U-factor / R-value of Assembly
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		
New Replacement Roof (Metal Standing Seam)	Roof - Metal Std. Seam	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		

H. WALL ASSEMBLY SCHEDULE

This section does not apply to this project.

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE

This section does not apply to this project.

STATE OF CALIFORNIA
Envelope Component Approach
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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 150	**Report Page:**	**(Page 6 of 7)**
	Date Prepared:	11/17/2025

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This section does not apply to this project.

L. DAYLIGHT IN LARGE ENCLOSED SPACES

This section does not apply to this project.

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Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

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DATE: 02/17/2026

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LICENSED ARCHITECT ALISHA ALDO HOLAKIEVICH NO. C 37428 REN 06-30-27 STATE OF CALIFORNIA

ARCHITECT / CONSULTANT STAMP

CONSULTANT LOGO

SWEETWATER UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

T-24 BUILDING 150 ENVELOPE

G301.5

Autodesk Docs://Rancho Del Rey - Building & Site Rehabilitation/24203.10_RDRMS_Building & Site Rehabilitation_Central_22.rvt

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
This document is used to demonstrate compliance with mandatory requirements in 110.8(g) and 120.7(b)/ 160.1 for newly constructed nonresidential, hotel/ motel, multifamily and mixed-use buildings, and 141.0(b)1/ 180.2 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in 140.3/ 170.2 for newly constructed buildings, and 141.0/ 180.1/ 180.2 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.		
Project Name: RDRMS - BLDG 200	**Report Page:**	**(Page 1 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

A. GENERAL INFORMATION

01	Project Location (city)	CHULA VISTA	05	# of Stories (Habitable Above Grade)	1
02	Zipcode	91910	06	Total Conditioned Floor Area (ft²)	7274
03	Climate Zone	10	07	Total Unconditioned Floor Area (ft²)	0
04	Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per 100.0(f).		08	☐ Project includes unconditioned enclosed space(s) > 5,000 ft² under a roof with a ceiling height of at least 15 ft.[1]	

● All Other Occupancies

[1] FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/ 170.2(b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/ 170.2 and 141.0(a)1/ 180.1 and 141.0(b)1 and 2/ 180.2 for additions and alterations.

My project consists of (check all that apply)		Component Types					
01		02					
☐	New Construction or Newly Conditioned Space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition of conditioned space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft						
☐	Addition is <=700 ft²			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition is >700 ft²						
☒	Alteration of conditioned space	☒	Roof Assembly	☐	Walls		
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft and lighting system installed for the first time	☒	Roofing Material[2]	☐	Floors	☐	Fenestration

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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 200	**Report Page:**	**(Page 2 of 7)**
	Date Prepared:	11/17/2025

B. PROJECT SCOPE

[1]*FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.*
[2]*Roof recovers and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.*

C. COMPLIANCE RESULTS

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

Opaque Envelope Components					Fenestration	Daylighting Spaces > 5,000ft²	Compliance Results
Roof Assembly	Roofing Materials	Walls	Floors	Doors			
01	02	03	04	05	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	COMPLIES
Yes	Yes						

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.

F. ROOF ASSEMBLY SCHEDULE

This table demonstrates compliance for prescriptive roof assembly requirements in 140.3(a)1B/ 170.2(a)1B for new construction, 141.0(a)/ 180.1 for additions, or 141.0(b)2Biii/ 180.2 for alterations,

01	Indicate roof types included in the project:	☒	Framed	☐	Framed-Multifamily	☐	SIPS	☐	Span Deck & Concrete	☐	Metal Panels	☒	Metal Building

Framed Roof Assemblies

01	☒	Include Framed Roof Assemblies in Area-Weighted Average U-factor Calculation[1]		
02	03	04	05	06

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 200	**Report Page:**	**(Page 3 of 7)**
	Date Prepared:	11/17/2025

F. ROOF ASSEMBLY SCHEDULE

Framed Roof Assemblies

Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in §141.0(b)2Biii (Alts. Only)	Occupancy Type
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered		Nonresidential/ Relocatable 1 CZ

07	08	09	10	11	12	13	14	15		16
Tag/Plan Detail ID	How Design U-factor was determined	Roof Type & Frame Material	Frame Spacing Depth	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
								per JA4 per Software/ Other		
Roof - Low Slope	JA4 Tables	Wood		19	10	U-factor	0.055		0.033	4319

[1]*FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.*
[2] *For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.*
[3] *If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.*
[4] *Roof area minus any fenestration/ skylight area*

Metal Building Roof Assemblies

01	☒	Calculate Area-Weighted Average U-factor for Metal Building Roof[1]		
02	03	04	05	06
Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in 141.0(b)2Biii (Alts. Only)	Occupancy Type
Roof - Metal Std. Seam	New Replacement Roof (Metal Standing Seam)	Altered		Nonresidential/ Relocatable 1 CZNonresidential

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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 200	**Report Page:**	**(Page 4 of 7)**
	Date Prepared:	11/17/2025

F. ROOF ASSEMBLY SCHEDULE

07	08	09	10	11	12	13	14		15
Tag/Plan Detail ID	How Design U-factor was determined	Insulation System	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
							per JA4 per Software/ Other		
Roof - Metal Std. Seam	JA4 Tables	Standing Seam, 1 Layer of Ins	19	10	U-factor	0.055		0.045	2955

[1]*FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.*
[2] *For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.*
[3] *If "R-value" is shown in cell 12 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.*
[4] *Roof area minus any fenestration/ skylight area*

Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Framed	4319	0.055	0.033	
Total for all Roof Types:	**4319**	**0.055**	**0.033**	**COMPLIES**

Area-Weighted Average U-factor Compliance Calculation for Metal Building Roof

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Metal Building	**2955**	**0.055**	**0.045**	**COMPLIES**

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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 200	**Report Page:**	**(Page 5 of 7)**
	Date Prepared:	11/17/2025

G. RATED ROOFING MATERIAL (COOL ROOF)

This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/ 170.2(a)1A for new construction, 141.0(a)/ 180.1 for additions, and 141.0(b)2B/ 180.2 for alterations. Roof recovers and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

01	02	03	04	05	06	07	08				09		10
Tag/Plan Detail ID	Name/ Description/ Location	Status	Occupancy Type	Roof Slope	Roof Material	Compliance Method	Required Minimum Material Performance				Designed Material Performance		U-factor / R-value of Assembly
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		
New Replacement Roof (Metal Standing Seam)	Roof - Metal Std. Seam	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		

H. WALL ASSEMBLY SCHEDULE

This section does not apply to this project.

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE

This section does not apply to this project.

STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
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	Date Prepared:	11/17/2025

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This section does not apply to this project.

L. DAYLIGHT IN LARGE ENCLOSED SPACES

This section does not apply to this project.

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, 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-ENV-01-E - Must be submitted for all buildings

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 200	**Report Page:**	**(Page 7 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

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 building owner at occupancy.

Responsible Designer Name: Alisha Aldo	Responsible Designer Signature:
Company: Architects Mosher Drew	Date Signed: 2025-11-17
Address: 1775 Hancock Street Suite 150	License: C-37428
City/State/Zip: San Diego CA 92110	Phone: 619 223 2400

Envelope Mandatory Measures:

110.6(a)1 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR AIR LEAKAGE
MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER NOT EXCEEDING 0.3 CFM/FT²OF WINDOW AREA, 0.3 CFM/FT²OF DOOR AREA FOR NONRESIDENTIAL SINGLE DOORS (SWINGING AND SLIDING), AND 1.0 CFM/FT²FOR NONRESIDENTIAL DOUBLE DOORS (SWINGING), WHEN TESTED ACCORDING TO NFRC-400 OR ASTM E283 AT A PRESSURE DIFFERENTIAL OF 75 PASCALS.

110.6(a)2-4 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR RATING
ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL BE RATED FOR U-FACTOR ACCORDING TO NFRC PROCEDURES OR USE THE DEFAULT FENESTRATION VALUES IN TABLE 110.6-A AND DOOR VALUES IN JA4.5.

ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL BE RATED FOR SHGC ACCORDING TO NFRC PROCEDURES OR USE THE DEFAULT VALUES IN TABLE 110.6-B.

ALL MANUFACTURED FENESTRATION PRODUCTS SHALL BE RATED FOR VT ACCORDING TO NFRC PROCEDURES.

110.6(a)5 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR LABELING
ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS USING THE COMPONENT MODELING APPROACH (cma) SHALL BE LABELED ACCORDING TO 110.6(a)5.

110.7 EXTERIOR JOINTS
ALL EXTERIOR JOINTS, PENETRATIONS, AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, OR OTHERWISE SEALED.

110.8(a) INSULATION CERTIFICATION
INSTALLED INSULATION SHALL BE CERTIFIED BY THE DEPARTMENT OF CONSUMER AFFAIRS PER TITLE 24, PART 12, CHAPTERS 12-13, ARTICLE 3 "STANDARDS FOR INSULATING MATERIAL."

110.8(b) UREA FORMALDEHYDE INSULATION
UREA FORMALDEHYDE INSULATION SHALL NOT BE INSTALLED UNLESS IN EXTERIOR SIDE WALLS WITH A FOUR-MIL-THICK PLASTIC SHEATHING VAPOR RETARDER INSTALLED BETWEEN THE UREA FORMALDEHYDE FOAM INSULATION AND THE INTERIOR SPACE.

110.8(c) INSULATING MATERIAL
ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF THE CALIFORNIA BUILDING CODE

110.8(i) RATED ROOFING PRODUCTS
ALL ROOFING PRODUCTS SPECIFIED TO MEET AGED SOLAR REFLECTANCE/THERMAL EMITTANCE REQUIREMENTS SHALL BE CERTIFIED AND LABELED BY THE COOL ROOF RATING COUNCIL (CRRC) PER 10-113, OR USE DEFAULT VALUES IN 110.8(i)
ASPHALT SHINGLES: 0.08/0.75
ALL OTHERS: 0.10/0.75
LIQUID APPLIED ROOF COATING FOR LOW SLOPE ROOF SHALL MEET COVERAGE, THICKNESS, AND PERFORMANCE VALUES PER 110.8-C

Envelope Mandatory Measures:

120.7(b)1-6 WALL INSULATION:
OPAQUE PORTIONS OF WALLS SEPARATING CONDITIONED SPACE FROM UNCONDITIONED SPACES OR AMBIENT AIIR SHALL MEET THE FOLLOWING:
METAL BUILDING: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.113
METAL FRAMED: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.151
LIGHT MASS WALLS: U-FACTOR FOR 6" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.440
HEAVY MASS WALLS: U-FACTOR FOR 8" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.690
WOOD FRAMED AND OTHER TYPES: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.110
SPANDREL PANELS AND CURTAIN WALLS: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.280
NOTE: ASSEMBLY OPTIONS CAN BE FOUND IN REFERENCE JOINT APPENDIX JA4

Autodesk Docs://Mosher Job Files - Backup & File Protection/RANCHO DEL REY MIDDLE SCHOOL/T24/T24 BLDG 200 ENVELOPE.rvt, 11/17/2025 3:41:12 PM, JOSH

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED ARCHITECT ALISHA ALDO HOLAKIEVICH NO. C 37428 REN 06-30-27 STATE OF CALIFORNIA

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RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

T-24 BUILDING 200 ENVELOPE

G302

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
This document is used to demonstrate compliance with mandatory requirements in 110.8(g) and 120.7(b)/ 160.1 for newly constructed nonresidential, hotel/ motel, multifamily and mixed-use buildings, and 141.0(b)1/ 180.2 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in 140.3/ 170.2 for newly constructed buildings, and 141.0/ 180.1/ 180.2 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.		
Project Name: RDRMS - BLDG 300	**Report Page:**	**(Page 1 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

A. GENERAL INFORMATION

01	Project Location (city)	CHULA VISTA	05	# of Stories (Habitable Above Grade)	1
02	Zipcode	91910	06	Total Conditioned Floor Area (ft²)	8898
03	Climate Zone	10	07	Total Unconditioned Floor Area (ft²)	0
04	Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per 100.0(f).		08	☐ Project includes unconditioned enclosed space(s) > 5,000 ft² under a roof with a ceiling height of at least 15 ft.[1]	

● All Other Occupancies

[1] FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/ 170.2(b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/ 170.2 and 141.0(a)1/ 180.1 and 141.0(b)1 and 2/ 180.2 for additions and alterations.

My project consists of (check all that apply)		Component Types					
01		02					
☐	New Construction or Newly Conditioned Space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition of conditioned space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft						
☐	Addition is <=700 ft²			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition is >700 ft²						
☒	Alteration of conditioned space	☒	Roof Assembly	☐	Walls		
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft and lighting system installed for the first time	☒	Roofing Material[2]	☐	Floors	☐	Fenestration

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 300	**Report Page:**	**(Page 2 of 7)**
	Date Prepared:	11/17/2025

B. PROJECT SCOPE

[1]FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.
[2]Roof recovers and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

C. COMPLIANCE RESULTS

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

Opaque Envelope Components					Fenestration	Daylighting Spaces > 5,000ft²	Compliance Results
Roof Assembly	Roofing Materials	Walls	Floors	Doors			
01	02	03	04	05	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	COMPLIES
Yes	Yes						

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.

F. ROOF ASSEMBLY SCHEDULE

This table demonstrates compliance for prescriptive roof assembly requirements in 140.3(a)1B/ 170.2(a)1B for new construction, 141.0(a)/ 180.1 for additions, or 141.0(b)2Biii/ 180.2 for alterations,

01	Indicate roof types included in the project:	☒	Framed	☐	Framed-Multifamily	☐	SIPS	☐	Span Deck & Concrete	☐	Metal Panels	☒	Metal Building

Framed Roof Assemblies

01	☒	Include Framed Roof Assemblies in Area-Weighted Average U-factor Calculation[1]		
02	03	04	05	06

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 300	**Report Page:**	**(Page 3 of 7)**
	Date Prepared:	11/17/2025

F. ROOF ASSEMBLY SCHEDULE

Framed Roof Assemblies

Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in §141.0(b)2Biii (Alts. Only)	Occupancy Type
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered		Nonresidential/ Relocatable 1 CZ

07	08	09	10	11	12	13	14	15		16
Tag/Plan Detail ID	How Design U-factor was determined	Roof Type & Frame Material	Frame Spacing Depth	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
								per JA4 per Software/ Other		
Roof - Low Slope	JA4 Tables	Wood		19	10	U-factor	0.055	0.033		5272

[1]FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Metal Building Roof Assemblies

01	☒	Calculate Area-Weighted Average U-factor for Metal Building Roof[1]		
02	03	04	05	06
Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in 141.0(b)2Biii (Alts. Only)	Occupancy Type
Roof - Metal Std. Seam	New Replacement Roof (Metal Standing Seam)	Altered		Nonresidential/ Relocatable 1 CZNonresidential

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 300	**Report Page:**	**(Page 4 of 7)**
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F. ROOF ASSEMBLY SCHEDULE

07	08	09	10	11	12	13	14		15
Tag/Plan Detail ID	How Design U-factor was determined	Insulation System	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
							per JA4 per Software/ Other		
Roof - Metal Std. Seam	JA4 Tables	Standing Seam, 1 Layer of Ins	19	10	U-factor	0.055		0.045	3626

[1]FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 12 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs

01	02	03		04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type			Compliance Results Using Area-Weighted Calculation Option
		Required		Designed	
Framed	5272	0.055		0.033	
Total for all Roof Types:	**5272**	**0.055**		**0.033**	**COMPLIES**

Area-Weighted Average U-factor Compliance Calculation for Metal Building Roof

01	02	03		04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type			Compliance Results Using Area-Weighted Calculation Option
		Required		Designed	
Metal Building	**3626**	**0.055**		**0.045**	**COMPLIES**

STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
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	Date Prepared:	11/17/2025

G. RATED ROOFING MATERIAL (COOL ROOF)

This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/ 170.2(a)1A for new construction, 141.0(a)/ 180.1 for additions, and 141.0(b)2B/ 180.2 for alterations. Roof recovers and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

01	02	03	04	05	06	07	08				09		10
Tag/Plan Detail ID	Name/ Description/ Location	Status	Occupancy Type	Roof Slope	Roof Material	Compliance Method	Required Minimum Material Performance				Designed Material Performance		U-factor / R-value of Assembly
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		
New Replacement Roof (Metal Standing Seam)	Roof - Metal Std. Seam	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		

H. WALL ASSEMBLY SCHEDULE

This section does not apply to this project.

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE

This section does not apply to this project.

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K. FENESTRATION AND GLAZED DOOR SCHEDULE

This section does not apply to this project.

L. DAYLIGHT IN LARGE ENCLOSED SPACES

This section does not apply to this project.

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, 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-ENV-01-E - Must be submitted for all buildings

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 300	**Report Page:**	**(Page 7 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

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 building owner at occupancy.

Responsible Designer Name: Alisha Aldo	Responsible Designer Signature:
Company: Architects Mosher Drew	Date Signed: 2025-11-17
Address: 1775 Hancock Street Suite 150	License: C-37428
City/State/Zip: San Diego CA 92110	Phone: 619 223 2400

Envelope Mandatory Measures:

110.6(a)1 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR AIR LEAKAGE
MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER NOT EXCEEDING 0.3 CFM/FT²OF WINDOW AREA, 0.3 CFM/FT²OF DOOR AREA FOR NONRESIDENTIAL SINGLE DOORS (SWINGING AND SLIDING), AND 1.0 CFM/FT²FOR NONRESIDENTIAL DOUBLE DOORS (SWINGING), WHEN TESTED ACCORDING TO NFRC-400 OR ASTM E283 AT A PRESSURE DIFFERENTIAL OF 75 PASCALS.

110.6(a)2-4 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR RATING
ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL BE RATED FOR U-FACTOR ACCORDING TO NFRC PROCEDURES OR USE THE DEFAULT FENESTRATION VALUES IN TABLE 110.6-A AND DOOR VALUES IN JA4.5.

ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL BE RATED FOR SHGC ACCORDING TO NFRC PROCEDURES OR USE THE DEFAULT VALUES IN TABLE 110.6-B.

ALL MANUFACTURED FENESTRATION PRODUCTS SHALL BE RATED FOR VT ACCORDING TO NFRC PROCEDURES.

110.6(a)5 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR LABELING
ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS USING THE COMPONENT MODELING APPROACH (cma) SHALL BE LABELED ACCORDING TO 110.6(a)5.

110.7 EXTERIOR JOINTS
ALL EXTERIOR JOINTS, PENETRATIONS, AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, OR OTHERWISE SEALED.

110.8(a) INSULATION CERTIFICATION
INSTALLED INSULATION SHALL BE CERTIFIED BY THE DEPARTMENT OF CONSUMER AFFAIRS PER TITLE 24, PART 12, CHAPTERS 12-13, ARTICLE 3 "STANDARDS FOR INSULATING MATERIAL."

110.8(b) UREA FORMALDEHYDE INSULATION
UREA FORMALDEHYDE INSULATION SHALL NOT BE INSTALLED UNLESS IN EXTERIOR SIDE WALLS WITH A FOUR-MIL-THICK PLASTIC SHEATHING VAPOR RETARDER INSTALLED BETWEEN THE UREA FORMALDEHYDE FOAM INSULATION AND THE INTERIOR SPACE.

110.8(c) INSULATING MATERIAL
ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF THE CALIFORNIA BUILDING CODE

110.8(i) RATED ROOFING PRODUCTS
ALL ROOFING PRODUCTS SPECIFIED TO MEET AGED SOLAR REFLECTANCE/THERMAL EMITTANCE REQUIREMENTS SHALL BE CERTIFIED AND LABELED BY THE COOL ROOF RATING COUNCIL (CRRC) PER 10-113, OR USE DEFAULT VALUES IN 110.8(i)
ASPHALT SHINGLES: 0.08/0.75
ALL OTHERS: 0.10/0.75
LIQUID APPLIED ROOF COATING FOR LOW SLOPE ROOF SHALL MEET COVERAGE, THICKNESS, AND PERFORMANCE VALUES PER 110.8-C

Envelope Mandatory Measures:

120.7(b)1-6 WALL INSULATION:
OPAQUE PORTIONS OF WALLS SEPARATING CONDITIONED SPACE FROM UNCONDITIONED SPACES OR AMBIENT AIIR SHALL MEET THE FOLLOWING:
METAL BUILDING: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.113
METAL FRAMED: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.151
LIGHT MASS WALLS: U-FACTOR FOR 6" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.440
HEAVY MASS WALLS: U-FACTOR FOR 8" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.690
WOOD FRAMED AND OTHER TYPES: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.110
SPANDREL PANELS AND CURTAIN WALLS: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.280
NOTE: ASSEMBLY OPTIONS CAN BE FOUND IN REFERENCE JOINT APPENDIX JA4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED ARCHITECT ALISHA ALDO HOLAKIEVICH NO. C 37100 REN 06-30-27 STATE OF CALIFORNIA

ARCHITECT / CONSULTANT STAMP

CONSULTANT LOGO

SWEETWATER UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

T-24 BUILDING 300 ENVELOPE

G303

Autodesk Docs://Rancho Del Rey - Building & Site Rehabilitation/24203.10_RDRMS_Building & Site Rehabilitation_Central_22.rvt

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
This document is used to demonstrate compliance with mandatory requirements in 110.8(g) and 120.7(b)/ 160.1 for newly constructed nonresidential, hotel/ motel, multifamily and mixed-use buildings, and 141.0(b)1/ 180.2 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in 140.3/ 170.2 for newly constructed buildings, and 141.0/ 180.1/ 180.2 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.		
Project Name: RDRMS - BLDG 400	**Report Page:**	**(Page 1 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

A. GENERAL INFORMATION

01	Project Location (city)	CHULA VISTA	05	# of Stories (Habitable Above Grade)	1
02	Zipcode	91910	06	Total Conditioned Floor Area (ft²)	11212
03	Climate Zone	10	07	Total Unconditioned Floor Area (ft²)	0
04	Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per 100.0(f).		08	☐ Project includes unconditioned enclosed space(s) > 5,000 ft² under a roof with a ceiling height of at least 15 ft.[1]	

● All Other Occupancies

[1] FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/ 170.2(b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/ 170.2 and 141.0(a)1/ 180.1 and 141.0(b)1 and 2/ 180.2 for additions and alterations.

My project consists of (check all that apply)		Component Types					
01		02					
☐	New Construction or Newly Conditioned Space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition of conditioned space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft						
☐	Addition is <=700 ft²			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition is >700 ft²						
☒	Alteration of conditioned space	☒	Roof Assembly	☐	Walls		
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft and lighting system installed for the first time	☒	Roofing Material[2]	☐	Floors	☐	Fenestration

STATE OF CALIFORNIA
Envelope Component Approach
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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 400	**Report Page:**	**(Page 2 of 7)**
	Date Prepared:	11/17/2025

B. PROJECT SCOPE

[1]FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.
[2]Roof recovers and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

C. COMPLIANCE RESULTS

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

Opaque Envelope Components					Fenestration	Daylighting Spaces > 5,000ft²	Compliance Results
Roof Assembly	Roofing Materials	Walls	Floors	Doors			
01	02	03	04	05	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	COMPLIES
Yes	Yes						

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.

F. ROOF ASSEMBLY SCHEDULE

This table demonstrates compliance for prescriptive roof assembly requirements in 140.3(a)1B/ 170.2(a)1B for new construction, 141.0(a)/ 180.1 for additions, or 141.0(b)2Biii/ 180.2 for alterations,

01	Indicate roof types included in the project:	☒	Framed	☐	Framed-Multifamily	☐	SIPS	☐	Span Deck & Concrete	☐	Metal Panels	☒	Metal Building

Framed Roof Assemblies

01	☒	Include Framed Roof Assemblies in Area-Weighted Average U-factor Calculation[1]		
02	03	04	05	06

STATE OF CALIFORNIA
Envelope Component Approach
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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
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F. ROOF ASSEMBLY SCHEDULE

Framed Roof Assemblies

Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in §141.0(b)2Biii (Alts. Only)	Occupancy Type
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered		Nonresidential/ Relocatable 1 CZ

07	08	09	10	11	12	13	14	15		16
Tag/Plan Detail ID	How Design U-factor was determined	Roof Type & Frame Material	Frame Spacing Depth	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
								per JA4 per Software/ Other		
Roof - Low Slope	JA4 Tables	Wood		19	10	U-factor	0.055		0.033	6437

[1]FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Metal Building Roof Assemblies

01	☒	Calculate Area-Weighted Average U-factor for Metal Building Roof[1]		
02	03	04	05	06
Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in 141.0(b)2Biii (Alts. Only)	Occupancy Type
Roof - Metal Std. Seam	New Replacement Roof (Metal Standing Seam)	Altered		Nonresidential/ Relocatable 1 CZNonresidential

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 400	**Report Page:**	**(Page 4 of 7)**
	Date Prepared:	11/17/2025

F. ROOF ASSEMBLY SCHEDULE

07	08	09	10	11	12	13	14		15
Tag/Plan Detail ID	How Design U-factor was determined	Insulation System	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
							per JA4 per Software/ Other		
Roof - Metal Std. Seam	JA4 Tables	Standing Seam, 1 Layer of Ins	19	10	U-factor	0.055		0.045	4775

[1]FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 12 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Framed	6437	0.055	0.033	
Total for all Roof Types:	**6437**	**0.055**	**0.033**	**COMPLIES**

Area-Weighted Average U-factor Compliance Calculation for Metal Building Roof

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Metal Building	**4775**	**0.055**	**0.045**	**COMPLIES**

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 400	**Report Page:**	**(Page 5 of 7)**
	Date Prepared:	11/17/2025

G. RATED ROOFING MATERIAL (COOL ROOF)

This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/ 170.2(a)1A for new construction, 141.0(a)/ 180.1 for additions, and 141.0(b)2B/ 180.2 for alterations. Roof recovers and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

01	02	03	04	05	06	07	08				09		10
Tag/Plan Detail ID	Name/ Description/ Location	Status	Occupancy Type	Roof Slope	Roof Material	Compliance Method	Required Minimum Material Performance				Designed Material Performance		U-factor / R-value of Assembly
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		
New Replacement Roof (Metal Standing Seam)	Roof - Metal Std. Seam	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		

H. WALL ASSEMBLY SCHEDULE

This section does not apply to this project.

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE

This section does not apply to this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

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	Date Prepared:	11/17/2025

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This section does not apply to this project.

L. DAYLIGHT IN LARGE ENCLOSED SPACES

This section does not apply to this project.

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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Form/Title
NRCI-ENV-01-E - Must be submitted for all buildings

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 400	**Report Page:**	**(Page 7 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

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 building owner at occupancy.

Responsible Designer Name: Alisha Aldo	Responsible Designer Signature:
Company: Architects Mosher Drew	Date Signed: 2025-11-17
Address: 1775 Hancock Street Suite 150	License: C-37428
City/State/Zip: San Diego CA 92110	Phone: 619 223 2400

Envelope Mandatory Measures:

110.6(a)1 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR AIR LEAKAGE
MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER NOT EXCEEDING 0.3 CFM/FT²OF WINDOW AREA, 0.3 CFM/FT²OF DOOR AREA FOR NONRESIDENTIAL SINGLE DOORS (SWINGING AND SLIDING), AND 1.0 CFM/FT²FOR NONRESIDENTIAL DOUBLE DOORS (SWINGING), WHEN TESTED ACCORDING TO NFRC-400 OR ASTM E283 AT A PRESSURE DIFFERENTIAL OF 75 PASCALS.

110.6(a)2-4 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR RATING
ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL BE RATED FOR U-FACTOR ACCORDING TO NFRC PROCEDURES OR USE THE DEFAULT FENESTRATION VALUES IN TABLE 110.6-A AND DOOR VALUES IN JA4.5.

ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL BE RATED FOR SHGC ACCORDING TO NFRC PROCEDURES OR USE THE DEFAULT VALUES IN TABLE 110.6-B.

ALL MANUFACTURED FENESTRATION PRODUCTS SHALL BE RATED FOR VT ACCORDING TO NFRC PROCEDURES.

110.6(a)5 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR LABELING
ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS USING THE COMPONENT MODELING APPROACH (cma) SHALL BE LABELED ACCORDING TO 110.6(a)5.

110.7 EXTERIOR JOINTS
ALL EXTERIOR JOINTS, PENETRATIONS, AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, OR OTHERWISE SEALED.

110.8(a) INSULATION CERTIFICATION
INSTALLED INSULATION SHALL BE CERTIFIED BY THE DEPARTMENT OF CONSUMER AFFAIRS PER TITLE 24, PART 12, CHAPTERS 12-13, ARTICLE 3 "STANDARDS FOR INSULATING MATERIAL."

110.8(b) UREA FORMALDEHYDE INSULATION
UREA FORMALDEHYDE INSULATION SHALL NOT BE INSTALLED UNLESS IN EXTERIOR SIDE WALLS WITH A FOUR-MIL-THICK PLASTIC SHEATHING VAPOR RETARDER INSTALLED BETWEEN THE UREA FORMALDEHYDE FOAM INSULATION AND THE INTERIOR SPACE.

110.8(c) INSULATING MATERIAL
ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF THE CALIFORNIA BUILDING CODE

110.8(i) RATED ROOFING PRODUCTS
ALL ROOFING PRODUCTS SPECIFIED TO MEET AGED SOLAR REFLECTANCE/THERMAL EMITTANCE REQUIREMENTS SHALL BE CERTIFIED AND LABELED BY THE COOL ROOF RATING COUNCIL (CRRC) PER 10-113, OR USE DEFAULT VALUES IN 110.8(i)
ASPHALT SHINGLES: 0.08/0.75
ALL OTHERS: 0.10/0.75
LIQUID APPLIED ROOF COATING FOR LOW SLOPE ROOF SHALL MEET COVERAGE, THICKNESS, AND PERFORMANCE VALUES PER 110.8-C

Envelope Mandatory Measures:

120.7(b)1-6 WALL INSULATION:
OPAQUE PORTIONS OF WALLS SEPARATING CONDITIONED SPACE FROM UNCONDITIONED SPACES OR AMBIENT AIIR SHALL MEET THE FOLLOWING:
METAL BUILDING: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.113
METAL FRAMED: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.151
LIGHT MASS WALLS: U-FACTOR FOR 6" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.440
HEAVY MASS WALLS: U-FACTOR FOR 8" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.690
WOOD FRAMED AND OTHER TYPES: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.110
SPANDREL PANELS AND CURTAIN WALLS: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.280
NOTE: ASSEMBLY OPTIONS CAN BE FOUND IN REFERENCE JOINT APPENDIX JA4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
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All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED ARCHITECT ALISHA ALDO HOLAKIEVICH NO. C 31100 REN 06-30-27 STATE OF CALIFORNIA

ARCHITECT / CONSULTANT STAMP

CONSULTANT LOGO

SWEETWATER UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

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RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

T-24 BUILDING 400 ENVELOPE

G304

Autodesk Docs://Rancho Del Rey - Building & Site Rehabilitation/24203.10_RDRMS_Building & Site Rehabilitation_Central_22.rvt

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
This document is used to demonstrate compliance with mandatory requirements in 110.8(g) and 120.7(b)/ 160.1 for newly constructed nonresidential, hotel/ motel, multifamily and mixed-use buildings, and 141.0(b)1/ 180.2 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in 140.3/ 170.2 for newly constructed buildings, and 141.0/ 180.1/ 180.2 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.		
Project Name: RDRMS - BLDG 500	**Report Page:**	**(Page 1 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

A. GENERAL INFORMATION

01	Project Location (city)	CHULA VISTA	05	# of Stories (Habitable Above Grade)	1
02	Zipcode	91910	06	Total Conditioned Floor Area (ft²)	9699
03	Climate Zone	10	07	Total Unconditioned Floor Area (ft²)	0
04	Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per 100.0(f).		08	☐ Project includes unconditioned enclosed space(s) > 5,000 ft² under a roof with a ceiling height of at least 15 ft.[1]	

● All Other Occupancies

[1] FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/ 170.2(b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/ 170.2 and 141.0(a)1/ 180.1 and 141.0(b)1 and 2/ 180.2 for additions and alterations.

My project consists of (check all that apply)		Component Types					
01		02					
☐	New Construction or Newly Conditioned Space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition of conditioned space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft						
☐	Addition is <=700 ft²			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition is >700 ft²						
☒	Alteration of conditioned space	☒	Roof Assembly	☐	Walls		
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft and lighting system installed for the first time	☒	Roofing Material[2]	☐	Floors	☐	Fenestration

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 500	**Report Page:**	**(Page 2 of 7)**
	Date Prepared:	11/17/2025

B. PROJECT SCOPE

[1]FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.
[2]Roof recovers and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

C. COMPLIANCE RESULTS

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

Opaque Envelope Components					Fenestration	Daylighting Spaces > 5,000ft²	Compliance Results
Roof Assembly	Roofing Materials	Walls	Floors	Doors			
01	02	03	04	05	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	COMPLIES
Yes	Yes						

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.

F. ROOF ASSEMBLY SCHEDULE

This table demonstrates compliance for prescriptive roof assembly requirements in 140.3(a)1B/ 170.2(a)1B for new construction, 141.0(a)/ 180.1 for additions, or 141.0(b)2Biii/ 180.2 for alterations,

01	Indicate roof types included in the project:	☒	Framed	☐	Framed-Multifamily	☐	SIPS	☐	Span Deck & Concrete	☐	Metal Panels	☒	Metal Building

Framed Roof Assemblies

01	☒	Include Framed Roof Assemblies in Area-Weighted Average U-factor Calculation[1]		
02	03	04	05	06

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Envelope Component Approach
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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 500	**Report Page:**	**(Page 3 of 7)**
	Date Prepared:	11/17/2025

F. ROOF ASSEMBLY SCHEDULE

Framed Roof Assemblies

Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in §141.0(b)2Biii (Alts. Only)	Occupancy Type
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered		Nonresidential/ Relocatable 1 CZ

07	08	09	10	11	12	13	14	15		16
Tag/Plan Detail ID	How Design U-factor was determined	Roof Type & Frame Material	Frame Spacing Depth	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
								per JA4 per Software/ Other		
Roof - Low Slope	JA4 Tables	Wood		19	10	U-factor	0.055		0.033	4437

[1]FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Metal Building Roof Assemblies

01	☒	Calculate Area-Weighted Average U-factor for Metal Building Roof[1]		
02	03	04	05	06
Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in 141.0(b)2Biii (Alts. Only)	Occupancy Type
Roof - Metal Std. Seam	New Replacement Roof (Metal Standing Seam)	Altered		Nonresidential/ Relocatable 1 CZNonresidential

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Envelope Component Approach
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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 500	**Report Page:**	**(Page 4 of 7)**
	Date Prepared:	11/17/2025

F. ROOF ASSEMBLY SCHEDULE

07	08	09	10	11	12	13	14		15
Tag/Plan Detail ID	How Design U-factor was determined	Insulation System	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
							per JA4 per Software/ Other		
Roof - Metal Std. Seam	JA4 Tables	Standing Seam, 1 Layer of Ins	19	10	U-factor	0.055		0.045	5262

[1]FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 12 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Framed	4437	0.055	0.033	
Total for all Roof Types:	**4437**	**0.055**	**0.033**	**COMPLIES**

Area-Weighted Average U-factor Compliance Calculation for Metal Building Roof

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Metal Building	**5262**	**0.055**	**0.045**	**COMPLIES**

STATE OF CALIFORNIA
Envelope Component Approach
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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 500	**Report Page:**	**(Page 5 of 7)**
	Date Prepared:	11/17/2025

G. RATED ROOFING MATERIAL (COOL ROOF)

This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/ 170.2(a)1A for new construction, 141.0(a)/ 180.1 for additions, and 141.0(b)2B/ 180.2 for alterations. Roof recovers and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

01	02	03	04	05	06	07	08				09		10
Tag/Plan Detail ID	Name/ Description/ Location	Status	Occupancy Type	Roof Slope	Roof Material	Compliance Method	Required Minimum Material Performance				Designed Material Performance		U-factor / R-value of Assembly
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							SRI				Emittance	0.75	
											SRI		
New Replacement Roof (Metal Standing Seam)	Roof - Metal Std. Seam	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							SRI				Emittance	0.75	
											SRI		

H. WALL ASSEMBLY SCHEDULE

This section does not apply to this project.

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE

This section does not apply to this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 500	**Report Page:**	**(Page 6 of 7)**
	Date Prepared:	11/17/2025

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This section does not apply to this project.

L. DAYLIGHT IN LARGE ENCLOSED SPACES

This section does not apply to this project.

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, 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-ENV-01-E - Must be submitted for all buildings

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 500	**Report Page:**	**(Page 7 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

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 building owner at occupancy.

Responsible Designer Name: Alisha Aldo	Responsible Designer Signature:
Company: Architects Mosher Drew	Date Signed: 2025-11-17
Address: 1775 Hancock Street Suite 150	License: C-37428
City/State/Zip: San Diego CA 92110	Phone: 619 223 2400

Envelope Mandatory Measures:

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ALL OTHERS: 0.10/0.75
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Envelope Mandatory Measures:

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HEAVY MASS WALLS: U-FACTOR FOR 8" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.690
WOOD FRAMED AND OTHER TYPES: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.110
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NOTE: ASSEMBLY OPTIONS CAN BE FOUND IN REFERENCE JOINT APPENDIX JA4

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REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
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LICENSED ARCHITECT ALISHA ALDO HOLAKIRA NO. C 37428 REN 06-30-27 STATE OF CALIFORNIA

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BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

T-24 BUILDING 500 ENVELOPE

G305

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STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
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Project Name: RDRMS - BLDG 600	**Report Page:**	**(Page 1 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

A. GENERAL INFORMATION

01	Project Location (city)	CHULA VISTA	05	# of Stories (Habitable Above Grade)	1
02	Zipcode	91910	06	Total Conditioned Floor Area (ft²)	7485
03	Climate Zone	10	07	Total Unconditioned Floor Area (ft²)	0
04	Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per 100.0(f).		08	☐ Project includes unconditioned enclosed space(s) > 5,000 ft² under a roof with a ceiling height of at least 15 ft.[1]	

● All Other Occupancies

[1] FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/ 170.2(b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/ 170.2 and 141.0(a)1/ 180.1 and 141.0(b)1 and 2/ 180.2 for additions and alterations.

My project consists of (check all that apply)		Component Types					
01		02					
☐	New Construction or Newly Conditioned Space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition of conditioned space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft						
☐	Addition is <=700 ft²			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition is >700 ft²						
☒	Alteration of conditioned space	☒	Roof Assembly	☐	Walls		
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft and lighting system installed for the first time	☒	Roofing Material[2]	☐	Floors	☐	Fenestration

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B. PROJECT SCOPE

[1]FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.
[2]Roof recovers and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

C. COMPLIANCE RESULTS

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

Opaque Envelope Components					Fenestration	Daylighting Spaces > 5,000ft²	Compliance Results
Roof Assembly	Roofing Materials	Walls	Floors	Doors			
01	02	03	04	05	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	COMPLIES
Yes	Yes						

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.

F. ROOF ASSEMBLY SCHEDULE

This table demonstrates compliance for prescriptive roof assembly requirements in 140.3(a)1B/ 170.2(a)1B for new construction, 141.0(a)/ 180.1 for additions, or 141.0(b)2Biii/ 180.2 for alterations,

01	Indicate roof types included in the project:	☒	Framed	☐	Framed-Multifamily	☐	SIPS	☐	Span Deck & Concrete	☐	Metal Panels	☒	Metal Building

Framed Roof Assemblies

01	☒	Include Framed Roof Assemblies in Area-Weighted Average U-factor Calculation[1]		
02	03	04	05	06

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F. ROOF ASSEMBLY SCHEDULE

Framed Roof Assemblies

Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in §141.0(b)2Biii (Alts. Only)	Occupancy Type
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered		Nonresidential/ Relocatable 1 CZ

07	08	09	10	11	12	13	14	15		16
Tag/Plan Detail ID	How Design U-factor was determined	Roof Type & Frame Material	Frame Spacing Depth	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
								per JA4 per Software/ Other		
Roof - Low Slope	JA4 Tables	Wood		19	10	U-factor	0.055		0.033	3616

[1]FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Metal Building Roof Assemblies

01	☒	Calculate Area-Weighted Average U-factor for Metal Building Roof[1]		
02	03	04	05	06
Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in 141.0(b)2Biii (Alts. Only)	Occupancy Type
Roof - Metal Std. Seam	New Replacement Roof (Metal Standing Seam)	Altered		Nonresidential/ Relocatable 1 CZNonresidential

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F. ROOF ASSEMBLY SCHEDULE

07	08	09	10	11	12	13	14		15
Tag/Plan Detail ID	How Design U-factor was determined	Insulation System	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
							per JA4 per Software/ Other		
Roof - Metal Std. Seam	JA4 Tables	Standing Seam, 1 Layer of Ins	19	10	U-factor	0.055		0.045	3869

[1]FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 12 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Framed	3616	0.055	0.033	
Total for all Roof Types:	**3616**	**0.055**	**0.033**	**COMPLIES**

Area-Weighted Average U-factor Compliance Calculation for Metal Building Roof

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Metal Building	**3869**	**0.055**	**0.045**	**COMPLIES**

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G. RATED ROOFING MATERIAL (COOL ROOF)

This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/ 170.2(a)1A for new construction, 141.0(a)/ 180.1 for additions, and 141.0(b)2B/ 180.2 for alterations. Roof recovers and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

01	02	03	04	05	06	07	08				09		10
Tag/Plan Detail ID	Name/ Description/ Location	Status	Occupancy Type	Roof Slope	Roof Material	Compliance Method	Required Minimum Material Performance				Designed Material Performance		U-factor / R-value of Assembly
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		
New Replacement Roof (Metal Standing Seam)	Roof - Metal Std. Seam	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		

H. WALL ASSEMBLY SCHEDULE

This section does not apply to this project.

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE

This section does not apply to this project.

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K. FENESTRATION AND GLAZED DOOR SCHEDULE

This section does not apply to this project.

L. DAYLIGHT IN LARGE ENCLOSED SPACES

This section does not apply to this project.

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, 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-ENV-01-E - Must be submitted for all buildings

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

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Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

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 building owner at occupancy.

Responsible Designer Name: Alishe Aldo	Responsible Designer Signature:
Company: Architects Mosher Drew	Date Signed: 2025-11-17
Address: 1775 Hancock Street Suite 150	License: C-37428
City/State/Zip: San Diego CA 92110	Phone: 619 223 2400

Envelope Mandatory Measures:

110.6(a)1 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR AIR LEAKAGE
MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER NOT EXCEEDING 0.3 CFM/FT²OF WINDOW AREA, 0.3 CFM/FT²OF DOOR AREA FOR NONRESIDENTIAL SINGLE DOORS (SWINGING AND SLIDING), AND 1.0 CFM/FT²FOR NONRESIDENTIAL DOUBLE DOORS (SWINGING), WHEN TESTED ACCORDING TO NFRC-400 OR ASTM E283 AT A PRESSURE DIFFERENTIAL OF 75 PASCALS.

110.6(a)2-4 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR RATING
ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL BE RATED FOR U-FACTOR ACCORDING TO NFRC PROCEDURES OR USE THE DEFAULT FENESTRATION VALUES IN TABLE 110.6-A AND DOOR VALUES IN JA4.5.

ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL BE RATED FOR SHGC ACCORDING TO NFRC PROCEDURES OR USE THE DEFAULT VALUES IN TABLE 110.6-B.

ALL MANUFACTURED FENESTRATION PRODUCTS SHALL BE RATED FOR VT ACCORDING TO NFRC PROCEDURES.

110.6(a)5 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR LABELING
ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS USING THE COMPONENT MODELING APPROACH (cma) SHALL BE LABELED ACCORDING TO 110.6(a)5.

110.7 EXTERIOR JOINTS
ALL EXTERIOR JOINTS, PENETRATIONS, AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, OR OTHERWISE SEALED.

110.8(a) INSULATION CERTIFICATION
INSTALLED INSULATION SHALL BE CERTIFIED BY THE DEPARTMENT OF CONSUMER AFFAIRS PER TITLE 24, PART 12, CHAPTERS 12-13, ARTICLE 3 "STANDARDS FOR INSULATING MATERIAL."

110.8(b) UREA FORMALDEHYDE INSULATION
UREA FORMALDEHYDE INSULATION SHALL NOT BE INSTALLED UNLESS IN EXTERIOR SIDE WALLS WITH A FOUR-MIL-THICK PLASTIC SHEATHING VAPOR RETARDER INSTALLED BETWEEN THE UREA FORMALDEHYDE FOAM INSULATION AND THE INTERIOR SPACE.

110.8(c) INSULATING MATERIAL
ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF THE CALIFORNIA BUILDING CODE

110.8(i) RATED ROOFING PRODUCTS
ALL ROOFING PRODUCTS SPECIFIED TO MEET AGED SOLAR REFLECTANCE/THERMAL EMITTANCE REQUIREMENTS SHALL BE CERTIFIED AND LABELED BY THE COOL ROOF RATING COUNCIL (CRRC) PER 10-113, OR USE DEFAULT VALUES IN 110.8(i)
ASPHALT SHINGLES: 0.08/0.75
ALL OTHERS: 0.10/0.75
LIQUID APPLIED ROOF COATING FOR LOW SLOPE ROOF SHALL MEET COVERAGE, THICKNESS, AND PERFORMANCE VALUES PER 110.8-C

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Envelope Mandatory Measures:

120.7(b)1-6 WALL INSULATION:
OPAQUE PORTIONS OF WALLS SEPARATING CONDITIONED SPACE FROM UNCONDITIONED SPACES OR AMBIENT AIIR SHALL MEET THE FOLLOWING:
METAL BUILDING: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.113
METAL FRAMED: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.151
LIGHT MASS WALLS: U-FACTOR FOR 6" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.440
HEAVY MASS WALLS: U-FACTOR FOR 8" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.690
WOOD FRAMED AND OTHER TYPES: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.110
SPANDREL PANELS AND CURTAIN WALLS: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.280
NOTE: ASSEMBLY OPTIONS CAN BE FOUND IN REFERENCE JOINT APPENDIX JA4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED ARCHITECT
ALISHE ALDO HOLAKIEL
NO. C 37100
REN 06-30-27
STATE OF CALIFORNIA
ARCHITECT / CONSULTANT STAMP

CONSULTANT LOGO

SWEETWATER UNION HIGH SCHOOL DISTRICT
CLIENT LOGO

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION
SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

DSA BACKCHECK

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

T-24 BUILDING 600 ENVELOPE

G306

Autodesk Docs://Mosher Job Files - Backup & File Protection/24203.10 Rancho Del Rey MS - Backup & File Protection.rvt, 11/17/2025 9:57:17 AM, JA4

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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
This document is used to demonstrate compliance with mandatory requirements in 110.8(g) and 120.7(b)/ 160.1 for newly constructed nonresidential, hotel/ motel, multifamily and mixed-use buildings, and 141.0(b)1/ 180.2 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in 140.3/ 170.2 for newly constructed buildings, and 141.0/ 180.1/ 180.2 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.		
Project Name: RDRMS - BLDG 700	**Report Page:**	**(Page 1 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

A. GENERAL INFORMATION

01	Project Location (city)	CHULA VISTA	05	# of Stories (Habitable Above Grade)	1
02	Zipcode	91910	06	Total Conditioned Floor Area (ft²)	9646
03	Climate Zone	10	07	Total Unconditioned Floor Area (ft²)	0
04	Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per 100.0(f).		08	☐ Project includes unconditioned enclosed space(s) > 5,000 ft² under a roof with a ceiling height of at least 15 ft.[1]	

● All Other Occupancies

[1] FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/ 170.2(b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/ 170.2 and 141.0(a)1/ 180.1 and 141.0(b)1 and 2/ 180.2 for additions and alterations.

My project consists of (check all that apply)		Component Types					
01		02					
☐	New Construction or Newly Conditioned Space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition of conditioned space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft						
☐	Addition is <=700 ft²			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition is >700 ft²						
☒	Alteration of conditioned space	☒	Roof Assembly	☐	Walls		
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft and lighting system installed for the first time	☒	Roofing Material[2]	☐	Floors	☐	Fenestration

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	Date Prepared:	11/17/2025

B. PROJECT SCOPE

[1]FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.
[2]Roof recovers and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

C. COMPLIANCE RESULTS

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

Opaque Envelope Components					Fenestration	Daylighting Spaces > 5,000ft²	Compliance Results
Roof Assembly	Roofing Materials	Walls	Floors	Doors			
01	02	03	04	05	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	COMPLIES
Yes	Yes						

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.

F. ROOF ASSEMBLY SCHEDULE

This table demonstrates compliance for prescriptive roof assembly requirements in 140.3(a)1B/ 170.2(a)1B for new construction, 141.0(a)/ 180.1 for additions, or 141.0(b)2Biii/ 180.2 for alterations,

01	Indicate roof types included in the project:	☒	Framed	☐	Framed-Multifamily	☐	SIPS	☐	Span Deck & Concrete	☐	Metal Panels	☒	Metal Building

Framed Roof Assemblies

01	☒	Include Framed Roof Assemblies in Area-Weighted Average U-factor Calculation[1]		
02	03	04	05	06

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F. ROOF ASSEMBLY SCHEDULE

Framed Roof Assemblies

Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in §141.0(b)2Biii (Alts. Only)	Occupancy Type
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered		Nonresidential/ Relocatable 1 CZ

07	08	09	10	11	12	13	14	15		16
Tag/Plan Detail ID	How Design U-factor was determined	Roof Type & Frame Material	Frame Spacing Depth	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
								per JA4 per Software/ Other		
Roof - Low Slope	JA4 Tables	Wood		19	10	U-factor	0.055	0.033		4499

[1]FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Metal Building Roof Assemblies

01	☒	Calculate Area-Weighted Average U-factor for Metal Building Roof[1]		
02	03	04	05	06
Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in 141.0(b)2Biii (Alts. Only)	Occupancy Type
Roof - Metal Std. Seam	New Replacement Roof (Metal Standing Seam)	Altered		Nonresidential/ Relocatable 1 CZNonresidential

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F. ROOF ASSEMBLY SCHEDULE

07	08	09	10	11	12	13	14		15
Tag/Plan Detail ID	How Design U-factor was determined	Insulation System	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
							per JA4 per Software/ Other		
Roof - Metal Std. Seam	JA4 Tables	Standing Seam, 1 Layer of Ins	19	10	U-factor	0.055		0.045	5147

[1]FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 12 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs

01	02	03		04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type			Compliance Results Using Area-Weighted Calculation Option
		Required		Designed	
Framed	4499	0.055		0.033	
Total for all Roof Types:	**4499**	**0.055**		**0.033**	**COMPLIES**

Area-Weighted Average U-factor Compliance Calculation for Metal Building Roof

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Metal Building	**5147**	**0.055**	**0.045**	**COMPLIES**

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Project Name: RDRMS - BLDG 700	**Report Page:**	**(Page 5 of 7)**
	Date Prepared:	11/17/2025

G. RATED ROOFING MATERIAL (COOL ROOF)

This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/ 170.2(a)1A for new construction, 141.0(a)/ 180.1 for additions, and 141.0(b)2B/ 180.2 for alterations. Roof recovers and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

01	02	03	04	05	06	07	08				09		10
Tag/Plan Detail ID	Name/ Description/ Location	Status	Occupancy Type	Roof Slope	Roof Material	Compliance Method	Required Minimum Material Performance				Designed Material Performance		U-factor / R-value of Assembly
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		
New Replacement Roof (Metal Standing Seam)	Roof - Metal Std. Seam	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		

H. WALL ASSEMBLY SCHEDULE

This section does not apply to this project.

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE

This section does not apply to this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

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	Date Prepared:	11/17/2025

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This section does not apply to this project.

L. DAYLIGHT IN LARGE ENCLOSED SPACES

This section does not apply to this project.

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, 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-ENV-01-E - Must be submitted for all buildings

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 700	**Report Page:**	**(Page 7 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

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 building owner at occupancy.

Responsible Designer Name: Alaihe Aldo	Responsible Designer Signature:
Company: Architects Mosher Drew	Date Signed: 2025-11-17
Address: 1775 Hancock Street Suite 150	License: C-37428
City/State/Zip: San Diego CA 92110	Phone: 619 223 2400

Envelope Mandatory Measures:

110.6(a)1 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR AIR LEAKAGE
MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER NOT EXCEEDING 0.3 CFM/FT²OF WINDOW AREA, 0.3 CFM/FT²OF DOOR AREA FOR NONRESIDENTIAL SINGLE DOORS (SWINGING AND SLIDING), AND 1.0 CFM/FT²FOR NONRESIDENTIAL DOUBLE DOORS (SWINGING), WHEN TESTED ACCORDING TO NFRC-400 OR ASTM E283 AT A PRESSURE DIFFERENTIAL OF 75 PASCALS.

110.6(a)2-4 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR RATING
ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL BE RATED FOR U-FACTOR ACCORDING TO NFRC PROCEDURES OR USE THE DEFAULT FENESTRATION VALUES IN TABLE 110.6-A AND DOOR VALUES IN JA4.5.

ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL BE RATED FOR SHGC ACCORDING TO NFRC PROCEDURES OR USE THE DEFAULT VALUES IN TABLE 110.6-B.

ALL MANUFACTURED FENESTRATION PRODUCTS SHALL BE RATED FOR VT ACCORDING TO NFRC PROCEDURES.

110.6(a)5 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR LABELING
ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS USING THE COMPONENT MODELING APPROACH (cma) SHALL BE LABELED ACCORDING TO 110.6(a)5.

110.7 EXTERIOR JOINTS
ALL EXTERIOR JOINTS, PENETRATIONS, AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, OR OTHERWISE SEALED.

110.8(a) INSULATION CERTIFICATION
INSTALLED INSULATION SHALL BE CERTIFIED BY THE DEPARTMENT OF CONSUMER AFFAIRS PER TITLE 24, PART 12, CHAPTERS 12-13, ARTICLE 3 "STANDARDS FOR INSULATING MATERIAL."

110.8(b) UREA FORMALDEHYDE INSULATION
UREA FORMALDEHYDE INSULATION SHALL NOT BE INSTALLED UNLESS IN EXTERIOR SIDE WALLS WITH A FOUR-MIL-THICK PLASTIC SHEATHING VAPOR RETARDER INSTALLED BETWEEN THE UREA FORMALDEHYDE FOAM INSULATION AND THE INTERIOR SPACE.

110.8(c) INSULATING MATERIAL
ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF THE CALIFORNIA BUILDING CODE

110.8(i) RATED ROOFING PRODUCTS
ALL ROOFING PRODUCTS SPECIFIED TO MEET AGED SOLAR REFLECTANCE/THERMAL EMITTANCE REQUIREMENTS SHALL BE CERTIFIED AND LABELED BY THE COOL ROOF RATING COUNCIL (CRRC) PER 10-113, OR USE DEFAULT VALUES IN 110.8(i)
ASPHALT SHINGLES: 0.08/0.75
ALL OTHERS: 0.10/0.75
LIQUID APPLIED ROOF COATING FOR LOW SLOPE ROOF SHALL MEET COVERAGE, THICKNESS, AND PERFORMANCE VALUES PER 110.8-C

Envelope Mandatory Measures:

120.7(b)1-6 WALL INSULATION:
OPAQUE PORTIONS OF WALLS SEPARATING CONDITIONED SPACE FROM UNCONDITIONED SPACES OR AMBIENT AIIR SHALL MEET THE FOLLOWING:
METAL BUILDING: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.113
METAL FRAMED: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.151
LIGHT MASS WALLS: U-FACTOR FOR 6" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.440
HEAVY MASS WALLS: U-FACTOR FOR 8" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.690
WOOD FRAMED AND OTHER TYPES: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.110
SPANDREL PANELS AND CURTAIN WALLS: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.280
NOTE: ASSEMBLY OPTIONS CAN BE FOUND IN REFERENCE JOINT APPENDIX JA4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED ARCHITECT ALAIHE ALDAKIS HOLAKIS NO. C 37100 REN 06-30-27 STATE OF CALIFORNIA

ARCHITECT / CONSULTANT STAMP

CONSULTANT LOGO

SWEETWATER UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

T-24 BUILDING 700 ENVELOPE

G307

Autodesk Docs://Rancho del Rey MS - Building & Site Rehabilitation/24203.10_RDRMS_Bldg_700_A24.rvt
Printed on 2/17/2026 10:47:54 AM

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
This document is used to demonstrate compliance with mandatory requirements in 110.8(g) and 120.7(b)/ 160.1 for newly constructed nonresidential, hotel/ motel, multifamily and mixed-use buildings, and 141.0(b)1/ 180.2 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in 140.3/ 170.2 for newly constructed buildings, and 141.0/ 180.1/ 180.2 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.		
Project Name: RDRMS - BLDG 800	**Report Page:**	**(Page 1 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

A. GENERAL INFORMATION

01	Project Location (city)	CHULA VISTA	05	# of Stories (Habitable Above Grade)	1
02	Zipcode	91910	06	Total Conditioned Floor Area (ft²)	11374
03	Climate Zone	10	07	Total Unconditioned Floor Area (ft²)	0
04	Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per 100.0(f).		08	☐ Project includes unconditioned enclosed space(s) > 5,000 ft² under a roof with a ceiling height of at least 15 ft.[1]	

● All Other Occupancies

[1] FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/ 170.2(b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/ 170.2 and 141.0(a)1/ 180.1 and 141.0(b)1 and 2/ 180.2 for additions and alterations.

My project consists of (check all that apply)		Component Types					
01		02					
☐	New Construction or Newly Conditioned Space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition of conditioned space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft						
☐	Addition is <=700 ft²			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition is >700 ft²						
☒	Alteration of conditioned space	☒	Roof Assembly	☐	Walls		
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft and lighting system installed for the first time	☒	Roofing Material[2]	☐	Floors	☐	Fenestration

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 800	**Report Page:**	**(Page 2 of 7)**
	Date Prepared:	11/17/2025

B. PROJECT SCOPE

[1]FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.
[2]Roof recovers and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

C. COMPLIANCE RESULTS

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

Opaque Envelope Components					Fenestration	Daylighting Spaces > 5,000ft²	Compliance Results
Roof Assembly	Roofing Materials	Walls	Floors	Doors			
01	02	03	04	05	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	COMPLIES
Yes	Yes						

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.

F. ROOF ASSEMBLY SCHEDULE

This table demonstrates compliance for prescriptive roof assembly requirements in 140.3(a)1B/ 170.2(a)1B for new construction, 141.0(a)/ 180.1 for additions, or 141.0(b)2Biii/ 180.2 for alterations,

01	Indicate roof types included in the project:	☒	Framed	☐	Framed-Multifamily	☐	SIPS	☐	Span Deck & Concrete	☐	Metal Panels	☒	Metal Building

Framed Roof Assemblies

01	☒	Include Framed Roof Assemblies in Area-Weighted Average U-factor Calculation[1]		
02	03	04	05	06

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
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F. ROOF ASSEMBLY SCHEDULE

Framed Roof Assemblies

Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in §141.0(b)2Biii (Alts. Only)	Occupancy Type
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered		Nonresidential/ Relocatable 1 CZ

07	08	09	10	11	12	13	14	15		16
Tag/Plan Detail ID	How Design U-factor was determined	Roof Type & Frame Material	Frame Spacing Depth	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
								per JA4 per Software/ Other		
Roof - Low Slope	JA4 Tables	Wood		19	10	U-factor	0.055		0.033	6136

[1]FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Metal Building Roof Assemblies

01	☒	Calculate Area-Weighted Average U-factor for Metal Building Roof[1]		
02	03	04	05	06
Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in 141.0(b)2Biii (Alts. Only)	Occupancy Type
Roof - Metal Std. Seam	New Replacement Roof (Metal Standing Seam)	Altered		Nonresidential/ Relocatable 1 CZNonresidential

STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 800	**Report Page:**	**(Page 4 of 7)**
	Date Prepared:	11/17/2025

F. ROOF ASSEMBLY SCHEDULE

07	08	09	10	11	12	13	14		15
Tag/Plan Detail ID	How Design U-factor was determined	Insulation System	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
							per JA4 per Software/ Other		
Roof - Metal Std. Seam	JA4 Tables	Standing Seam, 1 Layer of Ins	19	10	U-factor	0.055		0.045	5238

[1]FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 12 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Framed	6136	0.055	0.033	
Total for all Roof Types:	**6136**	**0.055**	**0.033**	**COMPLIES**

Area-Weighted Average U-factor Compliance Calculation for Metal Building Roof

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Metal Building	**5238**	**0.055**	**0.045**	**COMPLIES**

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 800	**Report Page:**	**(Page 5 of 7)**
	Date Prepared:	11/17/2025

G. RATED ROOFING MATERIAL (COOL ROOF)

This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/ 170.2(a)1A for new construction, 141.0(a)/ 180.1 for additions, and 141.0(b)2B/ 180.2 for alterations. Roof recovers and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

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Tag/Plan Detail ID	Name/ Description/ Location	Status	Occupancy Type	Roof Slope	Roof Material	Compliance Method	Required Minimum Material Performance				Designed Material Performance		U-factor / R-value of Assembly
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							Emittance	0.75			Emittance	0.75	
							SRI				SRI		
New Replacement Roof (Metal Standing Seam)	Roof - Metal Std. Seam	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		

H. WALL ASSEMBLY SCHEDULE

This section does not apply to this project.

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE

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STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 800	**Report Page:**	**(Page 6 of 7)**
	Date Prepared:	11/17/2025

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This section does not apply to this project.

L. DAYLIGHT IN LARGE ENCLOSED SPACES

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M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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Form/Title
NRCI-ENV-01-E - Must be submitted for all buildings

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O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 800	**Report Page:**	**(Page 7 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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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.
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Responsible Designer Name: Alishe Aldo	Responsible Designer Signature:
Company: Architects Mosher Drew	Date Signed: 2025-11-17
Address: 1775 Hancock Street Suite 150	License: C-37428
City/State/Zip: San Diego CA 92110	Phone: 619 223 2400

Envelope Mandatory Measures:

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ALL MANUFACTURED FENESTRATION PRODUCTS SHALL BE RATED FOR VT ACCORDING TO NFRC PROCEDURES.

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ALL EXTERIOR JOINTS, PENETRATIONS, AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, OR OTHERWISE SEALED.

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110.8(b) UREA FORMALDEHYDE INSULATION
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110.8(c) INSULATING MATERIAL
ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF THE CALIFORNIA BUILDING CODE

110.8(i) RATED ROOFING PRODUCTS
ALL ROOFING PRODUCTS SPECIFIED TO MEET AGED SOLAR REFLECTANCE/THERMAL EMITTANCE REQUIREMENTS SHALL BE CERTIFIED AND LABELED BY THE COOL ROOF RATING COUNCIL (CRRC) PER 10-113, OR USE DEFAULT VALUES IN 110.8(i)
ASPHALT SHINGLES: 0.08/0.75
ALL OTHERS: 0.10/0.75
LIQUID APPLIED ROOF COATING FOR LOW SLOPE ROOF SHALL MEET COVERAGE, THICKNESS, AND PERFORMANCE VALUES PER 110.8-C

Envelope Mandatory Measures:

120.7(b)1-6 WALL INSULATION:
OPAQUE PORTIONS OF WALLS SEPARATING CONDITIONED SPACE FROM UNCONDITIONED SPACES OR AMBIENT AIIR SHALL MEET THE FOLLOWING:
METAL BUILDING: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.113
METAL FRAMED: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.151
LIGHT MASS WALLS: U-FACTOR FOR 6" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.440
HEAVY MASS WALLS: U-FACTOR FOR 8" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.690
WOOD FRAMED AND OTHER TYPES: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.110
SPANDREL PANELS AND CURTAIN WALLS: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.280
NOTE: ASSEMBLY OPTIONS CAN BE FOUND IN REFERENCE JOINT APPENDIX JA4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
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All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED ARCHITECT
ALISHE ALDO IS HOLAKIEN
NO. C 37100
REN 06-30-27
STATE OF CALIFORNIA

ARCHITECT / CONSULTANT STAMP

CONSULTANT LOGO

CLIENT LOGO
SWEETWATER UNION HIGH SCHOOL DISTRICT

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

T-24 BUILDING 800 ENVELOPE

G308

Autodesk Docs://Rancho Del Rey - Building & Site Rehabilitation/Rancho Del Rey - Building & Site Rehabilitation_Revit_2024.rvt

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
This document is used to demonstrate compliance with mandatory requirements in 110.8(g) and 120.7(b)/ 160.1 for newly constructed nonresidential, hotel/ motel, multifamily and mixed-use buildings, and 141.0(b)1/ 180.2 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in 140.3/ 170.2 for newly constructed buildings, and 141.0/ 180.1/ 180.2 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.		
Project Name: RDRMS - BLDG 900	**Report Page:**	**(Page 1 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

A. GENERAL INFORMATION

01	Project Location (city)	CHULA VISTA	05	# of Stories (Habitable Above Grade)	1
02	Zipcode	91910	06	Total Conditioned Floor Area (ft²)	33365
03	Climate Zone	10	07	Total Unconditioned Floor Area (ft²)	0
04	Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per 100.0(f).		08	☐ Project includes unconditioned enclosed space(s) > 5,000 ft² under a roof with a ceiling height of at least 15 ft.[1]	

● All Other Occupancies

[1] FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/ 170.2(b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/ 170.2 and 141.0(a)1/ 180.1 and 141.0(b)1 and 2/ 180.2 for additions and alterations.

My project consists of (check all that apply)		Component Types					
01		02					
☐	New Construction or Newly Conditioned Space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition of conditioned space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft						
☐	Addition is <=700 ft²			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition is >700 ft²						
☒	Alteration of conditioned space	☒	Roof Assembly	☐	Walls		
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft and lighting system installed for the first time	☒	Roofing Material[2]	☐	Floors	☐	Fenestration

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 900	**Report Page:**	**(Page 2 of 7)**
	Date Prepared:	11/17/2025

B. PROJECT SCOPE

[1] FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.
[2] Roof recovers and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

C. COMPLIANCE RESULTS

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

Opaque Envelope Components					Fenestration	Daylighting Spaces > 5,000ft²	Compliance Results
Roof Assembly	Roofing Materials	Walls	Floors	Doors			
01	02	03	04	05	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	COMPLIES
Yes	Yes						

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.

F. ROOF ASSEMBLY SCHEDULE

This table demonstrates compliance for prescriptive roof assembly requirements in 140.3(a)1B/ 170.2(a)1B for new construction, 141.0(a)/ 180.1 for additions, or 141.0(b)2Biii/ 180.2 for alterations,

01	Indicate roof types included in the project:	☒ Framed	☐ Framed-Multifamily	☐ SIPS	☐ Span Deck & Concrete	☐ Metal Panels	☒ Metal Building

Framed Roof Assemblies

01	02	03	04	05	06
	☒	Include Framed Roof Assemblies in Area-Weighted Average U-factor Calculation[1]			

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 900	**Report Page:**	**(Page 3 of 7)**
	Date Prepared:	11/17/2025

F. ROOF ASSEMBLY SCHEDULE

Framed Roof Assemblies

Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in §141.0(b)2Biii (Alts. Only)	Occupancy Type
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered		Nonresidential/ Relocatable 1 CZ

07	08	09	10	11	12	13	14	15		16
Tag/Plan Detail ID	How Design U-factor was determined	Roof Type & Frame Material	Frame Spacing Depth	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
								per JA4 per Software/ Other		
Roof - Low Slope	JA4 Tables	Wood		19	10	U-factor	0.055		0.033	16061

[1] FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Metal Building Roof Assemblies

01	02	Calculate Area-Weighted Average U-factor for Metal Building Roof[1]		
03	04	05		06
Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in 141.0(b)2Biii (Alts. Only)	Occupancy Type
Roof - Metal Std. Seam	New Replacement Roof (Metal Standing Seam)	Altered		Nonresidential/ Relocatable 1 CZNonresidential

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 900	**Report Page:**	**(Page 4 of 7)**
	Date Prepared:	11/17/2025

F. ROOF ASSEMBLY SCHEDULE

07	08	09	10	11	12	13	14		15
Tag/Plan Detail ID	How Design U-factor was determined	Insulation System	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
							per JA4 per Software/ Other		
Roof - Metal Std. Seam	JA4 Tables	Standing Seam, 1 Layer of Ins	19	10	U-factor	0.055		0.045	17304

[1] FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 12 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs

01	02	03		04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type			Compliance Results Using Area-Weighted Calculation Option
		Required		Designed	
Framed	16061	0.055		0.033	
Total for all Roof Types:	**16061**	**0.055**		**0.033**	**COMPLIES**

Area-Weighted Average U-factor Compliance Calculation for Metal Building Roof

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Metal Building	**17304**	**0.055**	**0.045**	**COMPLIES**

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 900	**Report Page:**	**(Page 5 of 7)**
	Date Prepared:	11/17/2025

G. RATED ROOFING MATERIAL (COOL ROOF)

This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/ 170.2(a)1A for new construction, 141.0(a)/ 180.1 for additions, and 141.0(b)2B/ 180.2 for alterations. Roof recovers and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

01	02	03	04	05	06	07	08				09		10
Tag/Plan Detail ID	Name/ Description/ Location	Status	Occupancy Type	Roof Slope	Roof Material	Compliance Method	Required Minimum Material Performance				Designed Material Performance		U-factor / R-value of Assembly
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		
New Replacement Roof (Metal Standing Seam)	Roof - Metal Std. Seam	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		

H. WALL ASSEMBLY SCHEDULE

This section does not apply to this project.

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE

This section does not apply to this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 900	**Report Page:**	**(Page 6 of 7)**
	Date Prepared:	11/17/2025

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This section does not apply to this project.

L. DAYLIGHT IN LARGE ENCLOSED SPACES

This section does not apply to this project.

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, 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-ENV-01-E - Must be submitted for all buildings

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 900	**Report Page:**	**(Page 7 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

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 building owner at occupancy.

Responsible Designer Name: Alaihe Aldo	Responsible Designer Signature:
Company: Architects Mosher Drew	Date Signed: 2025-11-17
Address: 1775 Hancock Street Suite 150	License: C-37428
City/State/Zip: San Diego CA 92110	Phone: 619 223 2400

Envelope Mandatory Measures:

110.6(a)1 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR AIR LEAKAGE
MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER NOT EXCEEDING 0.3 CFM/FT²OF WINDOW AREA, 0.3 CFM/FT²OF DOOR AREA FOR NONRESIDENTIAL SINGLE DOORS (SWINGING AND SLIDING), AND 1.0 CFM/FT²FOR NONRESIDENTIAL DOUBLE DOORS (SWINGING), WHEN TESTED ACCORDING TO NFRC-400 OR ASTM E283 AT A PRESSURE DIFFERENTIAL OF 75 PASCALS.

110.6(a)2-4 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR RATING
ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL BE RATED FOR U-FACTOR ACCORDING TO NFRC PROCEDURES OR USE THE DEFAULT FENESTRATION VALUES IN TABLE 110.6-A AND DOOR VALUES IN JA4.5.

ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL BE RATED FOR SHGC ACCORDING TO NFRC PROCEDURES OR USE THE DEFAULT VALUES IN TABLE 110.6-B.

ALL MANUFACTURED FENESTRATION PRODUCTS SHALL BE RATED FOR VT ACCORDING TO NFRC PROCEDURES.

110.6(a)5 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR LABELING
ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS USING THE COMPONENT MODELING APPROACH (cma) SHALL BE LABELED ACCORDING TO 110.6(a)5.

110.7 EXTERIOR JOINTS
ALL EXTERIOR JOINTS, PENETRATIONS, AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, OR OTHERWISE SEALED.

110.8(a) INSULATION CERTIFICATION
INSTALLED INSULATION SHALL BE CERTIFIED BY THE DEPARTMENT OF CONSUMER AFFAIRS PER TITLE 24, PART 12, CHAPTERS 12-13, ARTICLE 3 "STANDARDS FOR INSULATING MATERIAL."

110.8(b) UREA FORMALDEHYDE INSULATION
UREA FORMALDEHYDE INSULATION SHALL NOT BE INSTALLED UNLESS IN EXTERIOR SIDE WALLS WITH A FOUR-MIL-THICK PLASTIC SHEATHING VAPOR RETARDER INSTALLED BETWEEN THE UREA FORMALDEHYDE FOAM INSULATION AND THE INTERIOR SPACE.

110.8(c) INSULATING MATERIAL
ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF THE CALIFORNIA BUILDING CODE

110.8(i) RATED ROOFING PRODUCTS
ALL ROOFING PRODUCTS SPECIFIED TO MEET AGED SOLAR REFLECTANCE/THERMAL EMITTANCE REQUIREMENTS SHALL BE CERTIFIED AND LABELED BY THE COOL ROOF RATING COUNCIL (CRRC) PER 10-113, OR USE DEFAULT VALUES IN 110.8(i)
ASPHALT SHINGLES: 0.08/0.75
ALL OTHERS: 0.10/0.75
LIQUID APPLIED ROOF COATING FOR LOW SLOPE ROOF SHALL MEET COVERAGE, THICKNESS, AND PERFORMANCE VALUES PER 110.8-C

Envelope Mandatory Measures:

120.7(b)1-6 WALL INSULATION:
OPAQUE PORTIONS OF WALLS SEPARATING CONDITIONED SPACE FROM UNCONDITIONED SPACES OR AMBIENT AIIR SHALL MEET THE FOLLOWING:
METAL BUILDING: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.113
METAL FRAMED: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.151
LIGHT MASS WALLS: U-FACTOR FOR 6" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.440
HEAVY MASS WALLS: U-FACTOR FOR 8" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.690
WOOD FRAMED AND OTHER TYPES: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.110
SPANDREL PANELS AND CURTAIN WALLS: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.280
NOTE: ASSEMBLY OPTIONS CAN BE FOUND IN REFERENCE JOINT APPENDIX JA4

Autodesk Docs://Rancho del Rey MS - Bldg 9 & 10 Modernization/Rancho del Rey MS - Bldg 9 & 10 Modernization_R24_ARCH.rvt, 11/17/2025 4:07:12 PM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

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LICENSED ARCHITECT ALAIHE ALDAKIS NO. C 31100 REN 06-30-27 STATE OF CALIFORNIA

ARCHITECT / CONSULTANT STAMP

CONSULTANT LOGO

SWEETWATER UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

T-24 BUILDING 900 ENVELOPE

G309

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
This document is used to demonstrate compliance with mandatory requirements in 110.8(g) and 120.7(b)/ 160.1 for newly constructed nonresidential, hotel/ motel, multifamily and mixed-use buildings, and 141.0(b)1/ 180.2 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in 140.3/ 170.2 for newly constructed buildings, and 141.0/ 180.1/ 180.2 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.		
Project Name: RDRMS - BLDG 1000	**Report Page:**	**(Page 1 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

A. GENERAL INFORMATION

01	Project Location (city)	CHULA VISTA	05	# of Stories (Habitable Above Grade)	1
02	Zipcode	91910	06	Total Conditioned Floor Area (ft²)	13106
03	Climate Zone	10	07	Total Unconditioned Floor Area (ft²)	0
04	Occupancy Types Within Project: (select all that apply): ☐ If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per 100.0(f).		08	☐ Project includes unconditioned enclosed space(s) > 5,000 ft² under a roof with a ceiling height of at least 15 ft.[1]	

● All Other Occupancies

[1] FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/ 170.2(b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/ 170.2 and 141.0(a)1/ 180.1 and 141.0(b)1 and 2/ 180.2 for additions and alterations.

My project consists of (check all that apply)		Component Types					
01		02					
☐	New Construction or Newly Conditioned Space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition of conditioned space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft						
☐	Addition is <=700 ft²			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐	Addition is >700 ft²						
☒	Alteration of conditioned space	☒	Roof Assembly	☐	Walls		
☐	One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft and lighting system installed for the first time	☒	Roofing Material[2]	☐	Floors	☐	Fenestration

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 1000	**Report Page:**	**(Page 2 of 7)**
	Date Prepared:	11/17/2025

B. PROJECT SCOPE

[1]FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.
[2]Roof recovers and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

C. COMPLIANCE RESULTS

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

Opaque Envelope Components					Fenestration	Daylighting Spaces > 5,000ft²	Compliance Results
Roof Assembly	Roofing Materials	Walls	Floors	Doors			
01	02	03	04	05	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	COMPLIES
Yes	Yes						

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.

F. ROOF ASSEMBLY SCHEDULE

This table demonstrates compliance for prescriptive roof assembly requirements in 140.3(a)1B/ 170.2(a)1B for new construction, 141.0(a)/ 180.1 for additions, or 141.0(b)2Biii/ 180.2 for alterations,

01	Indicate roof types included in the project:	☒	Framed	☐	Framed-Multifamily	☐	SIPS	☐	Span Deck & Concrete	☐	Metal Panels	☒	Metal Building

Framed Roof Assemblies

01	☒	Include Framed Roof Assemblies in Area-Weighted Average U-factor Calculation[1]		
02	03	04	05	06

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 1000	**Report Page:**	**(Page 3 of 7)**
	Date Prepared:	11/17/2025

F. ROOF ASSEMBLY SCHEDULE

Framed Roof Assemblies

Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in §141.0(b)2Biii (Alts. Only)	Occupancy Type
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered		Nonresidential/ Relocatable 1 CZ

07	08	09	10	11	12	13	14	15		16
Tag/Plan Detail ID	How Design U-factor was determined	Roof Type & Frame Material	Frame Spacing Depth	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
								per JA4 per Software/ Other		
Roof - Low Slope	JA4 Tables	Wood		19	10	U-factor	0.055		0.033	9345

[1]FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Metal Building Roof Assemblies

01	☒	Calculate Area-Weighted Average U-factor for Metal Building Roof[1]		
02	03	04	05	06
Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in 141.0(b)2Biii (Alts. Only)	Occupancy Type
Roof - Metal Std. Seam	New Replacement Roof (Metal Standing Seam)	Altered		Nonresidential/ Relocatable 1 CZNonresidential

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 1000	**Report Page:**	**(Page 4 of 7)**
	Date Prepared:	11/17/2025

F. ROOF ASSEMBLY SCHEDULE

07	08	09	10	11	12	13	14		15
Tag/Plan Detail ID	How Design U-factor was determined	Insulation System	Cavity Insulation per Design[2]	Continuous Insulation per Design[2]	Thermal Performance Unit	Required Thermal Performance[3]	U-factor per Design		Net Area[4] ft²
							per JA4 per Software/ Other		
Roof - Metal Std. Seam	JA4 Tables	Standing Seam, 1 Layer of Ins	19	10	U-factor	0.055		0.045	3761

[1]FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
[3] If "R-value" is shown in cell 12 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[4] Roof area minus any fenestration/ skylight area

Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Framed	9345	0.055	0.033	
Total for all Roof Types:	**9345**	**0.055**	**0.033**	**COMPLIES**

Area-Weighted Average U-factor Compliance Calculation for Metal Building Roof

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Metal Building	**3761**	**0.055**	**0.045**	**COMPLIES**

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 1000	**Report Page:**	**(Page 5 of 7)**
	Date Prepared:	11/17/2025

G. RATED ROOFING MATERIAL (COOL ROOF)

This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/ 170.2(a)1A for new construction, 141.0(a)/ 180.1 for additions, and 141.0(b)2B/ 180.2 for alterations. Roof recovers and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

01	02	03	04	05	06	07	08				09		10
Tag/Plan Detail ID	Name/ Description/ Location	Status	Occupancy Type	Roof Slope	Roof Material	Compliance Method	Required Minimum Material Performance				Designed Material Performance		U-factor / R-value of Assembly
New Replacement Roof (Low Slope)	Roof - Low Slope	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		
New Replacement Roof (Metal Standing Seam)	Roof - Metal Std. Seam	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.63	Emittance	0.75	Reflectance[1]	0.63	
							Emittance	0.75			Emittance	0.75	
							SRI				SRI		

H. WALL ASSEMBLY SCHEDULE

This section does not apply to this project.

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE

This section does not apply to this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 1000	**Report Page:**	**(Page 6 of 7)**
	Date Prepared:	11/17/2025

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This section does not apply to this project.

L. DAYLIGHT IN LARGE ENCLOSED SPACES

This section does not apply to this project.

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, 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-ENV-01-E - Must be submitted for all buildings

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ENV-E
Project Name: RDRMS - BLDG 1000	**Report Page:**	**(Page 7 of 7)**
Project Address: 1174 E. J STREET	**Date Prepared:**	11/17/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

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 building owner at occupancy.

Responsible Designer Name: Alisha Aldo	Responsible Designer Signature:
Company: Architects Mosher Drew	Date Signed: 2025-11-17
Address: 1775 Hancock Street Suite 150	License: C-37428
City/State/Zip: San Diego CA 92110	Phone: 619 223 2400

Envelope Mandatory Measures:

110.6(a)1 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR AIR LEAKAGE
MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER NOT EXCEEDING 0.3 CFM/FT²OF WINDOW AREA, 0.3 CFM/FT²OF DOOR AREA FOR NONRESIDENTIAL SINGLE DOORS (SWINGING AND SLIDING), AND 1.0 CFM/FT²FOR NONRESIDENTIAL DOUBLE DOORS (SWINGING), WHEN TESTED ACCORDING TO NFRC-400 OR ASTM E283 AT A PRESSURE DIFFERENTIAL OF 75 PASCALS.

110.6(a)2-4 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR RATING
ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL BE RATED FOR U-FACTOR ACCORDING TO NFRC PROCEDURES OR USE THE DEFAULT FENESTRATION VALUES IN TABLE 110.6-A AND DOOR VALUES IN JA4.5.

ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL BE RATED FOR SHGC ACCORDING TO NFRC PROCEDURES OR USE THE DEFAULT VALUES IN TABLE 110.6-B.

ALL MANUFACTURED FENESTRATION PRODUCTS SHALL BE RATED FOR VT ACCORDING TO NFRC PROCEDURES.

110.6(a)5 MANUFACTURED FENESTRATION PRODUCT AND EXTERIOR DOOR LABELING
ALL MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS USING THE COMPONENT MODELING APPROACH (cma) SHALL BE LABELED ACCORDING TO 110.6(a)5.

110.7 EXTERIOR JOINTS
ALL EXTERIOR JOINTS, PENETRATIONS, AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, OR OTHERWISE SEALED.

110.8(a) INSULATION CERTIFICATION
INSTALLED INSULATION SHALL BE CERTIFIED BY THE DEPARTMENT OF CONSUMER AFFAIRS PER TITLE 24, PART 12, CHAPTERS 12-13, ARTICLE 3 "STANDARDS FOR INSULATING MATERIAL."

110.8(b) UREA FORMALDEHYDE INSULATION
UREA FORMALDEHYDE INSULATION SHALL NOT BE INSTALLED UNLESS IN EXTERIOR SIDE WALLS WITH A FOUR-MIL-THICK PLASTIC SHEATHING VAPOR RETARDER INSTALLED BETWEEN THE UREA FORMALDEHYDE FOAM INSULATION AND THE INTERIOR SPACE.

110.8(c) INSULATING MATERIAL
ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF THE CALIFORNIA BUILDING CODE

110.8(i) RATED ROOFING PRODUCTS
ALL ROOFING PRODUCTS SPECIFIED TO MEET AGED SOLAR REFLECTANCE/THERMAL EMITTANCE REQUIREMENTS SHALL BE CERTIFIED AND LABELED BY THE COOL ROOF RATING COUNCIL (CRRC) PER 10-113, OR USE DEFAULT VALUES IN 110.8(i)
ASPHALT SHINGLES: 0.08/0.75
ALL OTHERS: 0.10/0.75
LIQUID APPLIED ROOF COATING FOR LOW SLOPE ROOF SHALL MEET COVERAGE, THICKNESS, AND PERFORMANCE VALUES PER 110.8-C

Envelope Mandatory Measures:

120.7(b)1-6 WALL INSULATION:
OPAQUE PORTIONS OF WALLS SEPARATING CONDITIONED SPACE FROM UNCONDITIONED SPACES OR AMBIENT AIIR SHALL MEET THE FOLLOWING:
METAL BUILDING: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.113
METAL FRAMED: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.151
LIGHT MASS WALLS: U-FACTOR FOR 6" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.440
HEAVY MASS WALLS: U-FACTOR FOR 8" OR GREATER HOLLOW CORE CONCRETE MASONRY UNIT <=0.690
WOOD FRAMED AND OTHER TYPES: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.110
SPANDREL PANELS AND CURTAIN WALLS: WEIGHTED AVERAGE U-FACTOR OF WALL ASSEMBLY <=0.280
NOTE: ASSEMBLY OPTIONS CAN BE FOUND IN REFERENCE JOINT APPENDIX JA4

Autodesk Docs://Rancho Del Rey MS - Backup & Trial Projects/RANCHO DEL REY MS_CENTRAL.rvt, 11/17/2025 10:17:04 AM, DSA_ADMIN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED ARCHITECT ALISHA ALDO HOLAKIEVICH NO. C 37428 REN 08-30-27 STATE OF CALIFORNIA

ARCHITECT / CONSULTANT STAMP

CONSULTANT LOGO

SWEETWATER UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

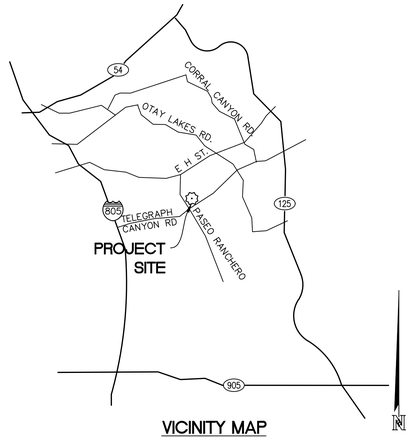
SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	Author
Checked By	:	Checker
Revisions	:	

T-24 BUILDING 1000 ENVELOPE

G310

RANCHO DEL REY MIDDLE SCHOOL
BUILDING AND SITE REHABILITATION



VICINITY MAP
NOT TO SCALE

WORK TO BE DONE:

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE IN ACCORDANCE WITH THESE PLANS AND STANDARD SPECIFICATIONS FOR THE CITY OF CHULA VISTA AND TO THE SATISFACTION OF DSA.

STANDARD SPEC'S AND STANDARD DRAWINGS:

1. SWEETWATER SPECIFICATIONS
2. SAN DIEGO REGIONAL STANDARD DRAWINGS, LATEST EDITION.

ACCESSIBLE COMPLIANCE NOTES

ALL GRADES SHOWN ON THESE PLANS WERE DESIGNED IN COMPLIANCE WITH THE 2022 CALIFORNIA BUILDING CODE (CBC) AND THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN (ADA) TO ALLOW FOR CONSTRUCTION TOLERANCES. IT IS THE CONTRACTORS' RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THESE CODES. SHOULD A DESIGN QUESTION ARISE OR A FIELD CONDITION PRESENT ITSELF THAT IS DIFFERENT FROM THESE PLANS, WORK SHALL CEASE AND THE CIVIL ENGINEER BE NOTIFIED SO THAT AN ACCEPTABLE SOLUTION CAN BE DETERMINED. THE CONTRACTOR IS ADVISED TO CAREFULLY CHECK ALL PHASES OF WORK RELATING TO CBC AND ADA ACCESS FOR THIS PROJECT. CONSTRUCTION THAT EXCEEDS MAXIMUM OR MINIMUM DIMENSIONS AND SLOPES AS DEFINED BY CBC AND ADA ARE SUBJECT TO REJECTION AND MAY BE REQUIRED TO BE REMOVED AND REPLACED AT THE CONTRACTOR'S SOLE COST. SINCE THE CIVIL ENGINEER OR SURVEYOR CANNOT CONTROL THE EXACT METHODS OR MEANS USED BY THE CONTRACTOR OR THEIR SUB-CONTRACTORS DURING CONSTRUCTION, THE CIVIL ENGINEER ASSUMES NO RESPONSIBILITY FOR THE FINAL ACCEPTANCE OF ACCESSIBLE-RELATED ITEMS BY THE AGENCY HAVING JURISDICTION, ANY OTHER AUTHORITY, OR OTHER AFFECTED PARTIES.

DETECTABLE WARNING SURFACE NOTE

1. TRUNCATED DOMES SHALL COMPLY WITH SECTION 11B-705 OF THE 2022 CALIFORNIA BUILDING CODE ("CBC"). TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF 0.9 INCH (22.9 MM) MINIMUM AND 0.92 INCH (23.4 MM) MAXIMUM, A TOP DIAMETER OF 0.45 INCH (11.4 MM) MINIMUM AND 0.47 INCH (11.9 MM) MAXIMUM, AND A HEIGHT OF 0.2 INCH (5.1 MM). ALSO, THEY SHALL HAVE A CENTER-TO-CENTER SPACING OF 2.3 INCHES (58MM) MINIMUM AND 2.4 INCHES (61 MM) MAXIMUM, AND A BASE-TO-BASE SPACING OF 0.65 INCH (16.5 MM) MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID. IN SITUATIONS WHERE THE TRUNCATED DOMES ARE INSTALLED IN A RADIAL PATTERN, THE TRUNCATED DOMES SHALL BE A CENTER-TO-CENTER SPACING OF 1.6 INCHES (41 MM) MINIMUM TO 2.4 INCHES (61 MM) MAXIMUM.

2. DETECTABLE WARNING SURFACES SHALL BE YELLOW CONFORMING TO FS 33538 SAE AMS-STD 595A.

3. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVED CONTRAST SHALL BE AN INTEGRAL PART OF THE SURFACE.

4. ONLY APPROVED DSA-AC DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES SHALL BE INSTALLED AS PROVIDED IN THE CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 24, CHAPTER 5, ARTICLE 2,3, AND 4.

EXISTING MONUMENTS, MARKERS, PROPERTY, CORNERS, ETC.

THE CONTRACTOR SHALL RE-ESTABLISH AND SET ANY MONUMENT OR BENCHMARKS WHICH WILL BE DISTURBED DURING CONSTRUCTION/GRADING OPERATIONS. A CORNER RECORD OR RECORD OF SURVEY AS APPROPRIATE SHALL BE FILED BY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYORS ACT.

ASSESSORS PARCEL NUMBER

640-090-2000

BENCH MARK

THE BENCH MARK USED FOR THE SURVEY IS THE CITY OF CHULA VISTA BENCHMARK 1805, 1-1/2" BRASS DISK ON DRAINAGE INLET NORTHEAST CORNER OF PASEO RANCHO & TELEGRAPH CANYON RD. 30' +/- E, OF E, PCR PER BM 515.

ELEVATION = 342.370' (NAVD 88)

BASIS OF BEARINGS

THE BASIS OF BEARING FOR THIS SURVEY IS THE CCS83 CALIFORNIA COORDINATE SYSTEM ZONE 6, 1991.35 EPOCH, GRID BEARING BETWEEN CONTROL POINT 9000 AND CONTROL POINT 9002, AS SAID COORDINATES ARE PUBLISHED IN THE CITY OF CHULA VISTA HORIZONTAL CONTROL NETWORK.
I.E. N -00°25'03" E
THE COMBINED SCALE FACTOR AT STATION 9002 IS 1.000120571
GRID DISTANCE = GROUND DISTANCE X COMBINED SCALE FACTOR

OVERLAY NOTE:

PRIOR TO PLACING ALL OVERLAY, THE EDGES OF EXISTING PAVEMENT AT LIMITS OF WORK, THE PAVEMENT SURFACE SHALL BE COLD MILLED TO FORM AN OVERLAY KEY TO A MINIMUM DEPTH OF 1 1/2". ALL MANHOLES, COVERS, BOXES, VALVES AND OTHER SURFACES APPURTENANCES SHALL BE RAISED TO GRADE.

TOPOGRAPHY SOURCE

SITE BACKGROUND/TOPOGRAPHIC DATA USED FOR THESE PLANS WAS PROVIDED FROM A FIELD AND AERIAL SURVEY PERFORMED BY BURKETT AND WONG ENGINEERS IN JUNE 2024 THROUGH JULY 2024. NO BOUNDARY SURVEY OR FIELD TOPOGRAPHIC SURVEY WAS PERFORMED FOR THIS PROJECT BY NASLAND ENGINEERING. NASLAND ENGINEERING IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS SITE BACKGROUND. CONTRACTOR SHALL VERIFY EXACT FIELD CONDITIONS PRIOR TO START OF IMPROVEMENTS.

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF CHULA VISTA, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

LOT 12 OF CHULA VISTA TRACT NO. 90-02 RANCHO DEL REY SPA III, MASTER FINAL MAP, IN THE CITY OF CHULA VISTA, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 13176, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, DECEMBER 14, 1994.

CONTRACTOR TO COMPLY WITH CBC AND CFC CH. 33 – FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION. REFER TO DSA BULLETIN 24-05 FOR FURTHER INFORMATION.

SHEET INDEX

NUMBER	TITLE
C0.0	CIVIL LEGEND, NOTES, AND ABBREVIATIONS
C1.0	DEMOLITION PLAN KEY MAP
C1.1	DEMOLITION PLAN
C1.2	DEMOLITION PLAN
C1.3	DEMOLITION PLAN
C1.4	DEMOLITION PLAN
C1.5	DEMOLITION PLAN
C1.6	DEMOLITION PLAN
C1.7	DEMOLITION PLAN
C1.8	DEMOLITION PLAN
C1.9	DEMOLITION PLAN
C1.10	DEMOLITION PLAN
C1.11	DEMOLITION PLAN
C1.12	DEMOLITION PLAN
C2.0	SITE IMPROVEMENT KEY MAP
C2.1	SITE IMPROVEMENT PLANS
C2.2	SITE IMPROVEMENT PLANS
C2.3	SITE IMPROVEMENT PLANS
C2.4	SITE IMPROVEMENT PLANS
C2.5	SITE IMPROVEMENT PLANS
C2.6	SITE IMPROVEMENT PLANS
C2.7	SITE IMPROVEMENT PLANS
C2.8	SITE IMPROVEMENT PLANS
C2.9	SITE IMPROVEMENT PLANS
C2.10	SITE IMPROVEMENT PLANS
C2.11	SITE IMPROVEMENT PLANS
C2.12	SITE IMPROVEMENT PLANS
C3.0	STORM DRAIN PROFILE
C3.1	DRIVE AISLE PROFILE
C4.0	EROSION CONTROL PLAN MAP
C4.1	EROSION CONTROL PLANS
C4.2	EROSION CONTROL PLANS
C4.3	EROSION CONTROL PLANS
C4.4	EROSION CONTROL PLANS
C4.5	EROSION CONTROL NOTES
C5.0	DETAILS
C5.1	DETAILS
C5.2	DETAILS
C5.3	DETAILS
C5.4	DETAILS
C5.5	DETAILS
C5.6	DETAILS

LEGEND

EXISTING TRUNCATED DOMES	LIMITS OF WORK
EXISTING SIGN	GRADE BREAK
EXISTING LIGHT	SAWCUT LINE
EXISTING FIRE HYDRANT	PROPOSED CURB
EXISTING STORM DRAIN INLET	PROPOSED CONCRETE
EXISTING WALL	PROPOSED HANDRAILS
EXISTING WATER	PROPOSED STORM DRAIN
EXISTING GAS	PROPOSED WATER SERVICE
EXISTING STORM DRAIN	PROPOSED FIRE SERVICE
EXISTING ELECTRICAL	PROPOSED SEWER
EXISTING SEWER	PROPOSED GAS
EXISTING TELECOMMUNICATIONS	PROPOSED COMPRESSED AIR
EXISTING FENCE	PROPOSED FIRE HYDRANT
EXISTING TREE	PROPOSED THRUST BLOCK
PROPERTY LINE	PROPOSED DAYLIGHT LINE
	PROPOSED CLEANOUTS
	PROPOSED ASPHALT

ABBREVIATIONS

AC	ASPHALT CONCRETE	FS	FINISHED SURFACE	RIM	TOP OF MANHOLE
BOD	BOTTOM OF ELECTRICAL/TELECOM DUCTBANK	GR	GAS RISER	RSD	REGIONAL STANDARD DRAWINGS
BOP	BOTTOM OF PIPE	GV	GATE VALVE	RW	RIGHT-OF-WAY
DI	DRAIN INLET	GB	GRADE BREAK	SCO	SEWER CLEANOUT
EG	EXISTING GRADE	IE	INVERT ELEVATION	SD	STORM DRAIN
EP	EDGE OF PAVEMENT	O.C.	ON CENTER	SMH	SEWER MANHOLE
EX	EXISTING	(P)	PROPOSED	TC	TOP OF CURB
FDC	FIRE DEPARTMENT CONNECTION	PCC	PORTLAND CEMENT CONCRETE	TF	TOP OF FOOTING
FF	FINISHED FLOOR	PL	PROPERTY LINE	TG	TOP OF GRATE
FG	FINISHED GRADE	POC	POINT OF CONNECTION	TOP	TOP OF PIPE
FL	FLOW LINE	PVC	POLYVINYL CHLORIDE	TW	TOP OF WALL

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE SWEETWATER UNION HIGH SCHOOL DISTRICT IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

REGISTERED PROFESSIONAL ENGINEER DANIEL QUINONES NO. 92310 EXP. 6-30-27 CIVIL STATE OF CALIFORNIA

NASLAND ENGINEERING
4740 RUFFNER STREET
SAN DIEGO,CA 92111
(858) 292-7770

DANIEL QUINONES	92310	06-30-2027	2/9/2026
NAME	R.C.E. NO.	EXP.	DATE

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

REGISTERED PROFESSIONAL ENGINEER DANIEL QUINONES NO. 92310 EXP. 6-30-27 CIVIL STATE OF CALIFORNIA
2/9/2026
ARCHITECT / CONSULTANT STAMP

Nasland
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CONSULTANT LOGO

NE JOB NO. 124-029.1

SWEETWATER UNION HIGH SCHOOL DISTRICT
CLIENT LOGO

DSA BACKCHECK

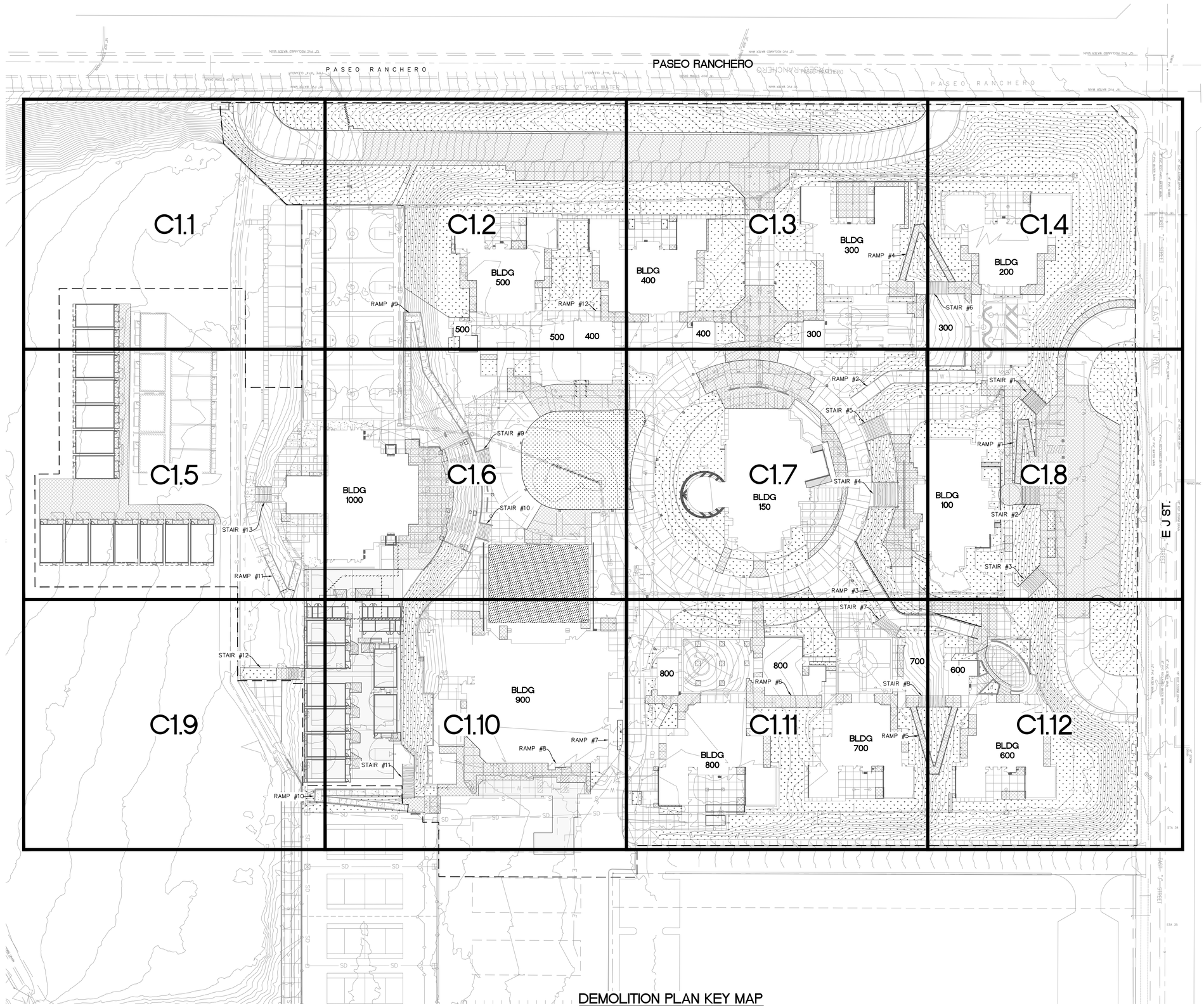
RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEET WATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	BR,VO
Checked By	:	DQ
Revisions	:	

CIVIL LEGEND, NOTES, AND ABBREVIATIONS

C0.0



DEMOLITION PLAN KEY MAP

SCALE: 1" = 40'

NOTES TO CONTRACTOR:
1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

NOTES:
CONTRACTOR TO COMPLY WITH CBC AND CFC CH 33-FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION. REFER TO DSA BULLETIN 24-05 FOR FURTHER INFORMATION.

40 20 0 40 80 120
SCALE: 1"=40'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

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MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
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F: (619) 223-3017

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REGISTERED PROFESSIONAL ENGINEER
DANIEL QUINONES
No. 92319
EXP. 6-30-27
CIVIL
STATE OF CALIFORNIA
2/9/2026
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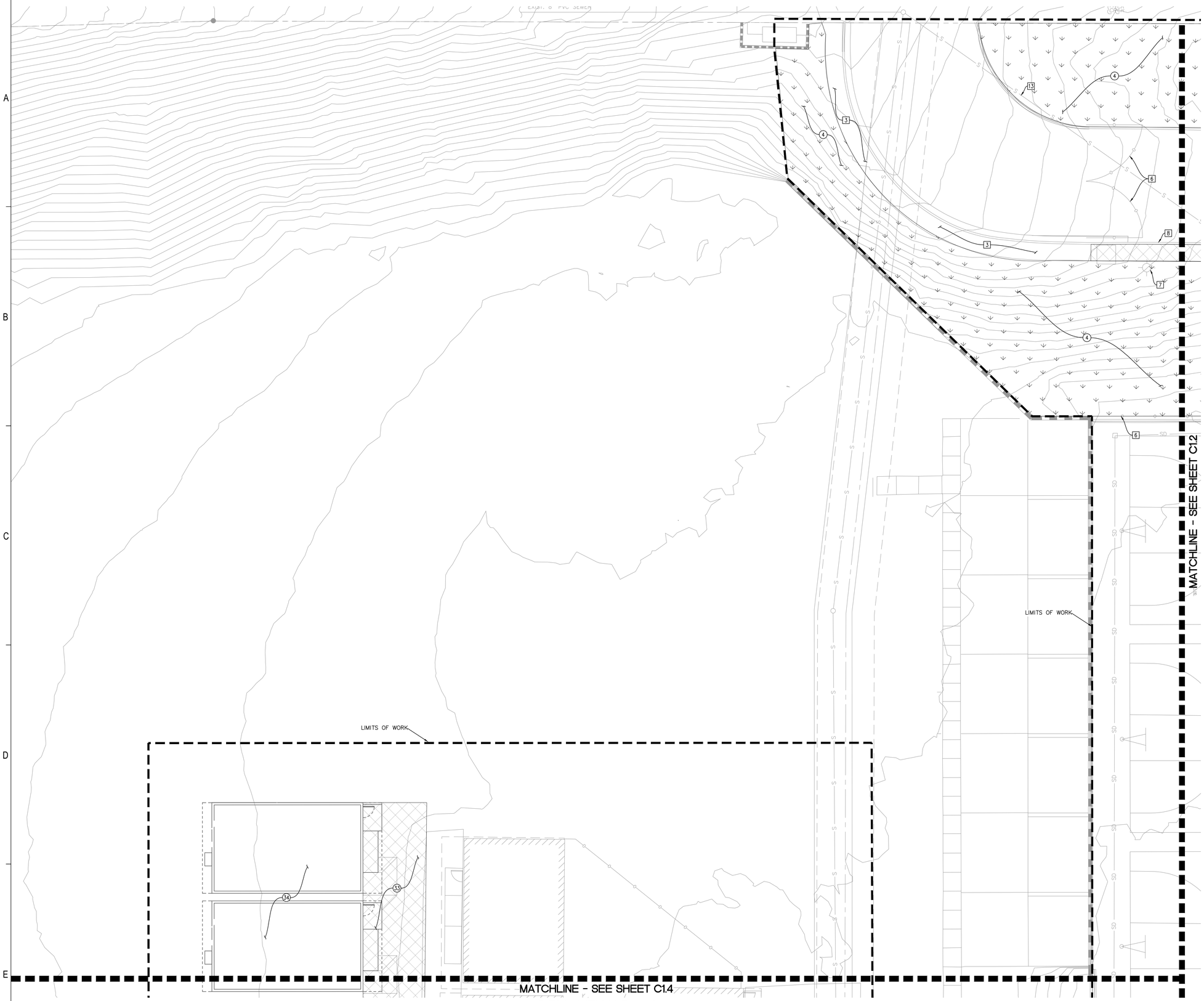
DEMOLITION PLAN KEY MAP

C1.0



DEMOLITION NOTES

(4) CLEAR AND GRUB EXISTING LANDSCAPE. REFER TO LANDSCAPE PLANS FOR ADDITIONAL DETAILS.

(33) CONTRACTOR TO COORDINATE WITH DISTRICT AND REMOVE AC PAVEMENT DURING APPROPRIATE PHASE. REINSTALL WITH LAWN AFTER PORTABLES ARE REMOVED.

(34) PORTABLES TO BE REMOVED BY DISTRICT. CONTRACTOR TO REINSTALL LAWN AFTER THE PORTABLES ARE REMOVED.

PROTECTION NOTES

[3] EXISTING PAVEMENT TO REMAIN PROTECTED IN PLACE.

[6] EXISTING FENCE TO REMAIN PROTECTED IN PLACE.

[7] EXISTING LIGHT FIXTURE TO REMAIN PROTECTED IN PLACE.

[8] EXISTING CURB TO REMAIN PROTECTED IN PLACE.

[13] EXISTING SEWER LINE TO REMAIN AND BE PROTECTED IN PLACE.

DEMOLITION LEGEND

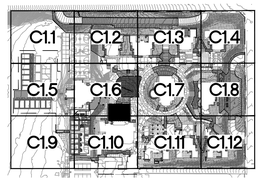
SAWCUT LINE

PAVEMENT REMOVAL

CLEAR AND GRUB LANDSCAPE

TRENCHING LIMITS

GRIND AND REMOVE AC



10 5 0 10 20 30

SCALE: 1"=10'

DEMOLITION PLAN

SCALE: 1" = 10'

NOTES TO CONTRACTOR:

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2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

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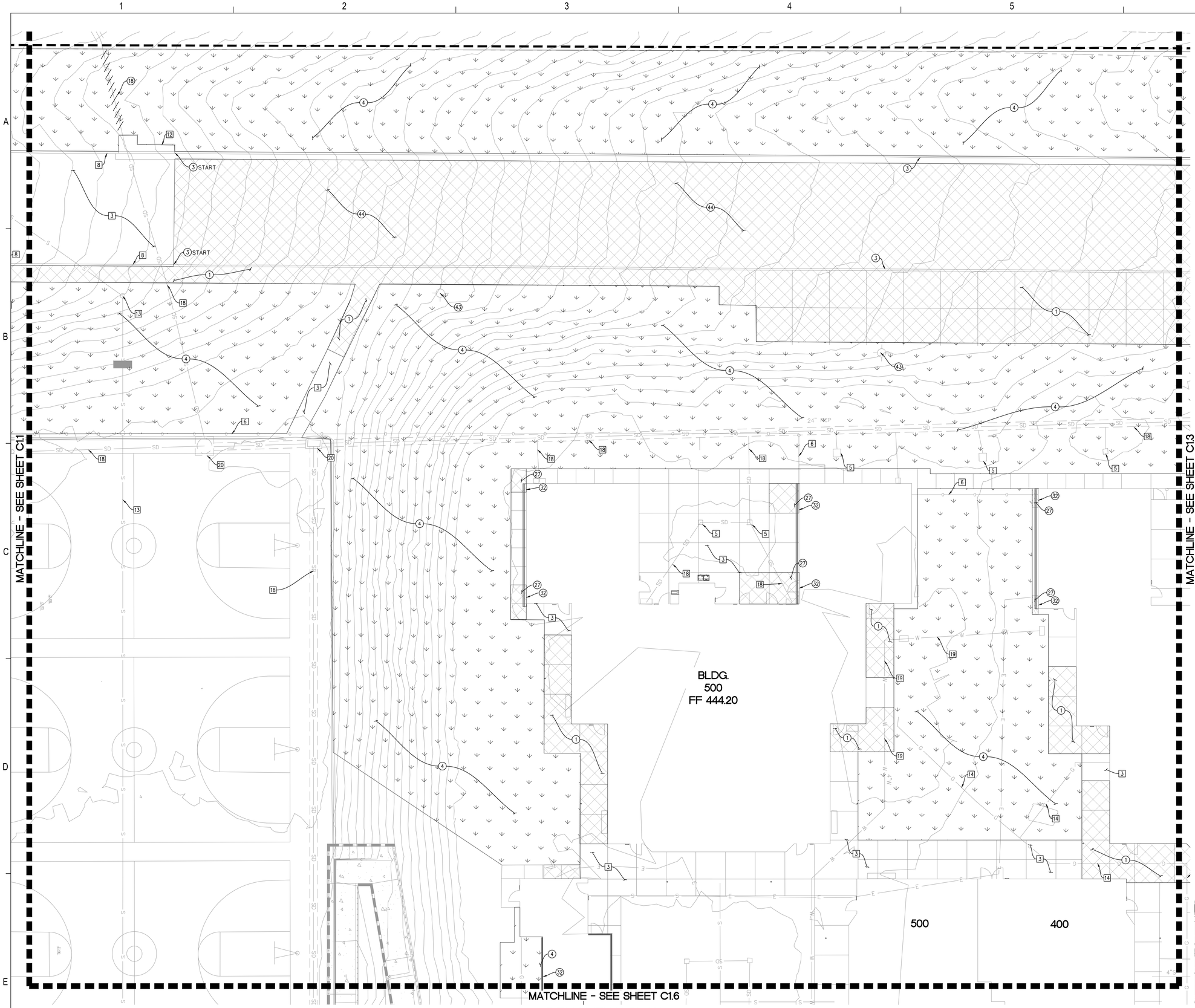
DEMOLITION PLAN

C1.1



DEMOLITION NOTES

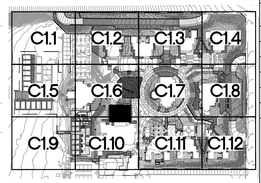
1. REMOVE EXISTING PAVEMENT. PAVEMENT REMOVAL SHALL BE TO NEAREST JOINT. NO PARTIAL PANELS SHALL BE REMOVED.
3. REMOVE EXISTING CURB/CURB AND GUTTER.
4. CLEAR AND GRUB EXISTING LANDSCAPE. REFER TO LANDSCAPE PLANS FOR ADDITIONAL DETAILS.
18. REMOVE EXISTING STORM DRAIN LINE.
27. REMOVE AND REPLACE EXISTING CONCRETE PANEL JOINT TO JOINT FOR CONNECTION OF THE EXISTING STORM DRAIN TO PROPOSED DOWNSPOUT.
32. REMOVE EXISTING IN-WALL DOWNSPOUT. CONTRACTOR TO CAP AND ABANDON STORM DRAIN LINE PER PLUMBING PLANS.
43. REMOVE AND REPLACE EXISTING LIGHT. REFER TO ELECTRICAL PLANS FOR MORE INFORMATION.
44. REMOVE EXISTING ASPHALT PAVEMENT AND BASE.

PROTECTION NOTES

3. EXISTING PAVEMENT TO REMAIN PROTECTED IN PLACE.
5. EXISTING STORM DRAIN INLET TO REMAIN PROTECTED IN PLACE. ADJUST TO GRADE AS NECCESSARY.
6. EXISTING FENCE TO REMAIN PROTECTED IN PLACE.
7. EXISTING LIGHT FIXTURE TO REMAIN PROTECTED IN PLACE.
8. EXISTING CURB TO REMAIN PROTECTED IN PLACE.
12. EXISTING CURB INLET TO REMAIN PROTECTED IN PLACE.
13. EXISTING SEWER LINE TO REMAIN AND BE PROTECTED IN PLACE.
14. EXISTING GAS LINE TO REMAIN.
18. EXISTING STORM DRAIN LINE TO REMAIN AND BE PROTECTED IN PLACE.
19. EXISTING DOMESTIC WATER LINE TO REMAIN AND BE PROTECTED IN PLACE.
20. EXISTING STORM DRAIN CLEANOUT TO REMAIN AND BE PROTECTED IN PLACE.

DEMOLITION LEGEND

- SAWCUT LINE
- PAVEMENT REMOVAL
- CLEAR AND GRUB LANDSCAPE
- TRENCHING LIMITS
- GRIND AND REMOVE AC



NOTES TO CONTRACTOR:
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2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

DEMOLITION PLAN

SCALE: 1" = 10'

10 5 0 10 20 30
SCALE: 1"=10'

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RANCHO DEL REY MIDDLE SCHOOL
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Revisions	:	

DEMOLITION PLAN

C1.2

DEMOLITION NOTES

1. REMOVE EXISTING PAVEMENT. PAVEMENT REMOVAL SHALL BE TO NEAREST JOINT. NO PARTIAL PANELS SHALL BE REMOVED.
2. REMOVE EXISTING HANDRAIL.
3. REMOVE EXISTING CURB/CURB AND GUTTER.
4. CLEAR AND GRUB EXISTING LANDSCAPE. REFER TO LANDSCAPE PLANS FOR ADDITIONAL DETAILS.
10. REMOVE EXISTING FENCE.
15. REPAIR ANY DAMAGED STEPS.
27. REMOVE AND REPLACE EXISTING CONCRETE PANEL JOINT TO JOINT FOR CONNECTION OF THE EXISTING STORM DRAIN TO PROPOSED DOWNSPOUT.
31. REMOVE EXISTING LIGHT BOLLARD, PAD AND FOOTING. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
32. REMOVE EXISTING IN-WALL DOWNSPOUT. CONTRACTOR TO CAP AND ABANDON STORM DRAIN LINE PER PLUMBING PLANS.
44. REMOVE EXISTING ASPHALT PAVEMENT AND BASE.

PROTECTION NOTES

1. EXISTING WALL TO REMAIN PROTECTED IN PLACE.
3. EXISTING PAVEMENT TO REMAIN PROTECTED IN PLACE.
5. EXISTING STORM DRAIN INLET TO REMAIN PROTECTED IN PLACE. ADJUST TO GRADE AS NECCESSARY.
6. EXISTING FENCE TO REMAIN PROTECTED IN PLACE.
7. EXISTING LIGHT FIXTURE TO REMAIN PROTECTED IN PLACE.
8. EXISTING CURB TO REMAIN PROTECTED IN PLACE.
10. EXISTING GATE TO REMAIN PROTECTED IN PLACE.
11. EXISTING COLUMN TO REMAIN PROTECTED IN PLACE.
12. EXISTING CURB INLET TO REMAIN PROTECTED IN PLACE.
13. EXISTING SEWER LINE TO REMAIN AND BE PROTECTED IN PLACE.
14. EXISTING GAS LINE TO REMAIN.
15. EXISTING FIRE SERVICE BACKFLOW TO REMAIN AND BE PROTECTED IN PLACE.
16. EXISTING DOMESTIC BACKFLOW TO REMAIN AND BE PROTECTED IN PLACE.
17. EXISTING ELECTRICAL LINE TO BE REMAIN AND BE PROTECTED IN PLACE.
18. EXISTING STORM DRAIN LINE TO REMAIN AND BE PROTECTED IN PLACE.
19. EXISTING DOMESTIC WATER LINE TO REMAIN AND BE PROTECTED IN PLACE.
20. EXISTING STORM DRAIN CLEANOUT TO REMAIN AND BE PROTECTED IN PLACE.
22. EXISTING FIRE SERVICE LINE TO REMAIN AND BE PROTECTED IN PLACE.

MATCHLINE - SEE SHEET C1.2

MATCHLINE - SEE SHEET C1.4

MATCHLINE - SEE SHEET C1.6

BLDG. 400 FF 445.80

BLDG. 300 FF 446.55

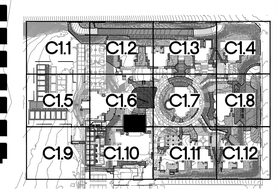
BLDG. 300 FF 446.55

400

300

DEMOLITION LEGEND

- SAWCUT LINE
- PAVEMENT REMOVAL
- CLEAR AND GRUB LANDSCAPE
- TRENCHING LIMITS



DEMOLITION PLAN

SCALE: 1" = 10'

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2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

N

10 5 0 10 20 30

SCALE: 1"=10'

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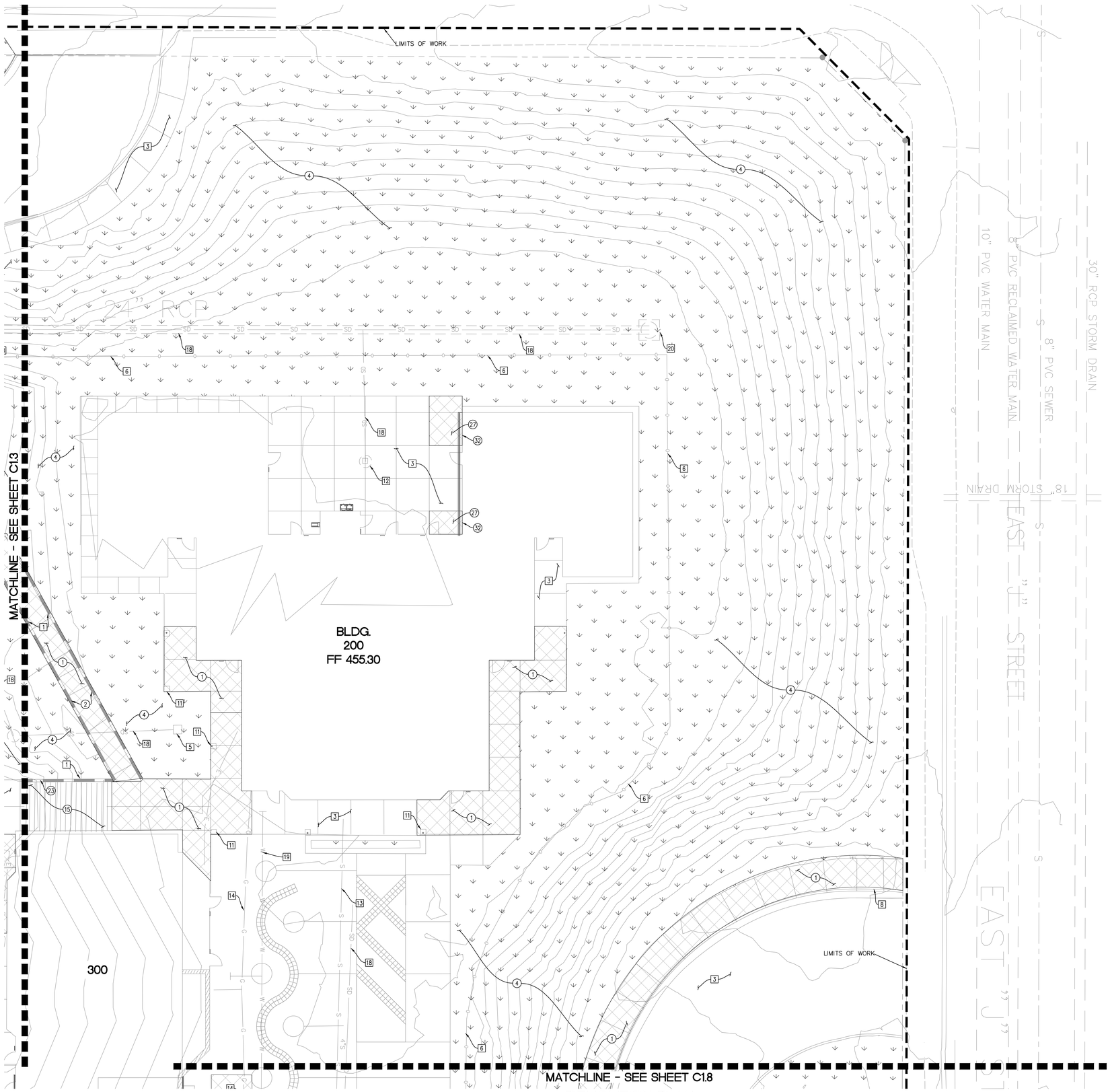
DEMOLITION PLAN

C1.3



DEMOLITION NOTES

1. REMOVE EXISTING PAVEMENT. PAVEMENT REMOVAL SHALL BE TO NEAREST JOINT. NO PARTIAL PANELS SHALL BE REMOVED.
2. REMOVE EXISTING HANDRAIL.
4. CLEAR AND GRUB EXISTING LANDSCAPE. REFER TO LANDSCAPE PLANS FOR ADDITIONAL DETAILS.
15. REPAIR ANY DAMAGED STEPS.
23. GRIND EXISTING HANDRAIL ANTI SKATE BOLTS FLUSH TO HANDRAIL. FINISH SHOULD BE SMOOTH WITH NO PITS OR VOIDS. REFER TO SHEET A5-501 FOR ADDITIONAL INFORMATION.
27. REMOVE AND REPLACE EXISTING CONCRETE PANEL JOINT TO JOINT FOR CONNECTION OF THE EXISTING STORM DRAIN TO PROPOSED DOWNSPOUT.
32. REMOVE EXISTING IN-WALL DOWNSPOUT. CONTRACTOR TO CAP AND ABANDON STORM DRAIN LINE PER PLUMBING PLANS.

PROTECTION NOTES

1. EXISTING WALL TO REMAIN PROTECTED IN PLACE.
3. EXISTING PAVEMENT TO REMAIN PROTECTED IN PLACE.
5. EXISTING STORM DRAIN INLET TO REMAIN PROTECTED IN PLACE. ADJUST TO GRADE AS NECCESSARY.
6. EXISTING FENCE TO REMAIN PROTECTED IN PLACE.
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20. EXISTING STORM DRAIN CLEANOUT TO REMAIN AND BE PROTECTED IN PLACE.

DEMOLITION LEGEND

- SAWCUT LINE
- PAVEMENT REMOVAL
- CLEAR AND GRUB LANDSCAPE
- TRENCHING LIMITS
- GRIND AND REMOVE AC

DEMOLITION PLAN

SCALE: 1" = 10'

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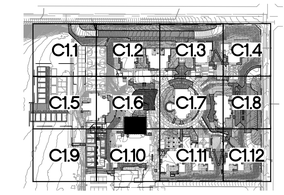

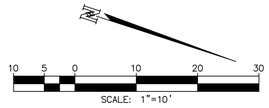

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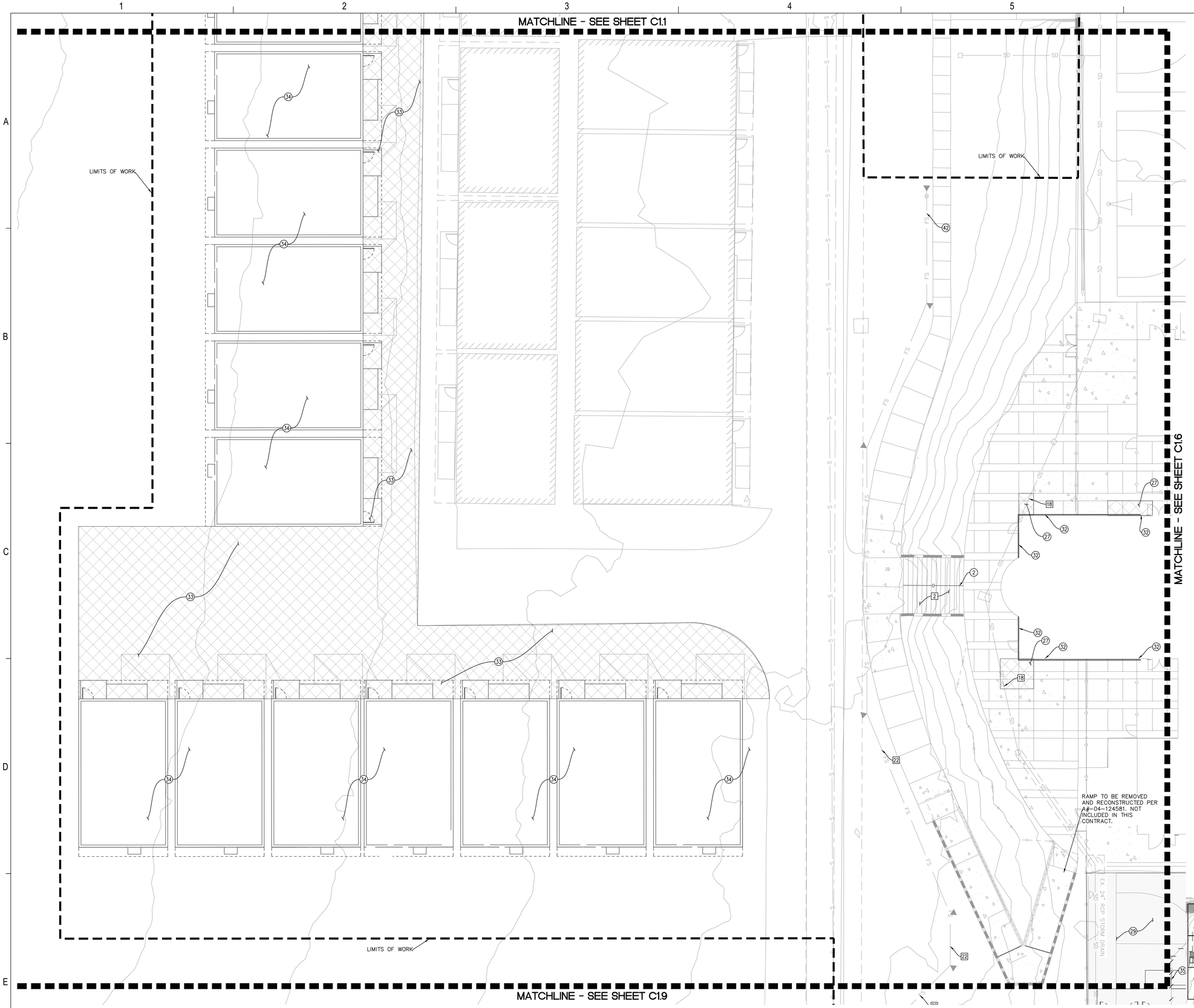
DEMOLITION PLAN

C1.4



DEMOLITION PLAN

SCALE: 1" = 10'

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DEMOLITION NOTES

(2) REMOVE EXISTING HANDRAIL.

(27) REMOVE AND REPLACE EXISTING CONCRETE PANEL JOINT TO JOINT FOR CONNECTION OF THE EXISTING STORM DRAIN TO PROPOSED DOWNSPOUT.

(29) THIRD PARTY TO COORDINATE WITH DISTRICT FOR THE REMOVAL OF PORTABLE CLASSROOMS DURING APPROPRIATE PHASE. CONTRACTOR TO COORDINATE WITH DISTRICT FOR GRIND, OVERLAY, AND RESTRIPE OF BASKETBALL COURT DURING APPROPRIATE PHASE. RESTRIPE BASKETBALL COURT PER ARCHITECTURAL PLANS.

(32) REMOVE EXISTING IN-WALL DOWNSPOUT. CONTRACTOR TO CAP AND ABANDON STORM DRAIN LINE PER PLUMBING PLANS.

(33) CONTRACTOR TO COORDINATE WITH DISTRICT AND REMOVE AC PAVEMENT DURING APPROPRIATE PHASE. REINSTALL WITH LAWN AFTER PORTABLES ARE REMOVED.

(34) PORTABLES TO BE REMOVED BY DISTRICT. CONTRACTOR TO REINSTALL LAWN AFTER THE PORTABLES ARE REMOVED.

(35) REMOVE EXISTING SEWER LINE; CONTRACTOR TO COORDINATE WITH THE DISTRICT FOR THE APPROPRIATE PHASE FOR REMOVAL.

(42) CAP AND PLUG EXISTING FIRE SERVICE PER DETAIL 22 ON DETAILS SHEET. FIRE SERVICE STAND PIPE TO BE REMOVED.

PROTECTION NOTES

[2] EXISTING STAIRS TO REMAIN PROTECTED IN PLACE.

[18] EXISTING STORM DRAIN LINE TO REMAIN AND BE PROTECTED IN PLACE.

[22] EXISTING FIRE SERVICE LINE TO REMAIN AND BE PROTECTED IN PLACE.

DEMOLITION LEGEND

SAWCUT LINE

PAVEMENT REMOVAL

CLEAR AND GRUB LANDSCAPE

TRENCHING LIMITS

GRIND AND REMOVE AC

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(858) 292-7770 • nasland.com

CONSULTANT LOGO

NE JOB NO. 124-029.1

SWEETWATER
UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEET WATER UNION HIGH SCHOOL DISTRICT

RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	BR,VO
Checked By	:	DQ
Revisions	:	

DEMOLITION PLAN

C1.5

MATCHLINE - SEE SHEET C1.2

MATCHLINE - SEE SHEET C1.5

MATCHLINE - SEE SHEET C1.7

MATCHLINE - SEE SHEET C1.10

RAMP TO BE REMOVED AND RECONSTRUCTED PER A#-04-124581. NOT INCLUDED IN THIS CONTRACT.

BLDG. 1000

500

400

EX.24" RCP STORM DRAIN

DEMOLITION NOTES

1. REMOVE EXISTING PAVEMENT. PAVEMENT REMOVAL SHALL BE TO NEAREST JOINT. NO PARTIAL PANELS SHALL BE REMOVED.
4. CLEAR AND GRUB EXISTING LANDSCAPE. REFER TO LANDSCAPE PLANS FOR ADDITIONAL DETAILS.
7. REMOVE EXISTING SHADE STRUCTURE AND ASSOCIATED FOOTINGS. CONTRACTOR TO GRIND 6" BELOW FINISH GRADE.
18. REMOVE EXISTING STORM DRAIN LINE.
19. REMOVE EXISTING INLET.
22. ROUGHEN EXISTING CONCRETE BY SANDBLASTING OR OTHER APPROVED METHOD. PRIOR TO CONTRACTOR FULL COURT ROUGHENING, A 5'X5' SAMPLE SHALL BE PRESENTED TO DISTRICT INSPECTOR FOR APPROVAL PRIOR TO COMMENCING WORK.
25. REMOVE EXISTING PORTION OF CONCRETE FOR THE INSTALLATION OF SHADE STRUCTURE. CONTRACTOR TO VERIFY PROPOSED POST FOUNDATIONS ARE NOT IN CONFLICT WITH EXISTING UTILITIES AND EXISTING SHADE STRUCTURE FOUNDATIONS.
27. REMOVE AND REPLACE EXISTING CONCRETE PANEL JOINT TO JOINT FOR CONNECTION OF THE EXISTING STORM DRAIN TO PROPOSED DOWNSPOUT.
28. CONTRACTOR TO COORDINATE WITH DISTRICT AND REMOVE TEMPORARY AC LANDINGS DURING APPROPRIATE PHASE.
29. THIRD PARTY TO COORDINATE WITH DISTRICT FOR THE REMOVAL OF PORTABLE CLASSROOMS DURING APPROPRIATE PHASE. CONTRACTOR TO COORDINATE WITH DISTRICT FOR GRIND, OVERLAY, AND RESTRIPE OF BASKETBALL COURT DURING APPROPRIATE PHASE. RESTRIPE BASKETBALL COURT PER ARCHITECTURAL PLANS.
31. REMOVE EXISTING LIGHT BOLLARD, PAD AND FOOTING. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
32. REMOVE EXISTING IN-WALL DOWNSPOUT. CONTRACTOR TO CAP AND ABANDON STORM DRAIN LINE PER PLUMBING PLANS.
35. REMOVE EXISTING SEWER LINE. CONTRACTOR TO COORDINATE WITH THE DISTRICT FOR THE APPROPRIATE PHASE FOR REMOVAL.
45. REMOVE EXISTING WATER LINE.

PROTECTION NOTES

1. EXISTING WALL TO REMAIN PROTECTED IN PLACE.
2. EXISTING STAIRS TO REMAIN PROTECTED IN PLACE.
3. EXISTING PAVEMENT TO REMAIN PROTECTED IN PLACE.
5. EXISTING STORM DRAIN INLET TO REMAIN PROTECTED IN PLACE. ADJUST TO GRADE AS NECCESSARY.
13. EXISTING SEWER LINE TO REMAIN AND BE PROTECTED IN PLACE.
18. EXISTING STORM DRAIN LINE TO REMAIN AND BE PROTECTED IN PLACE.
19. EXISTING DOMESTIC WATER LINE TO REMAIN AND BE PROTECTED IN PLACE.
23. EXISTING ELECTRICAL VAULT TO REMAIN AND BE PROTECTED IN PLACE.

DEMOLITION LEGEND

- SAWCUT LINE
- PAVEMENT REMOVAL
- CLEAR AND GRUB LANDSCAPE
- TRENCHING LIMITS
- GRIND AND REMOVE AC

C1.1 C1.2 C1.3 C1.4
C1.5 C1.6 C1.7 C1.8
C1.9 C1.10 C1.11 C1.12

N

10 5 0 10 20 30

SCALE: 1"=10'

DEMOLITION PLAN

SCALE: 1" = 10'

NOTES TO CONTRACTOR:
1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

PLOT DATE: 12/2025 3:39 PM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

REGISTERED PROFESSIONAL ENGINEER
DANIEL QUINDOS
No. 92319
EXP. 6-30-27
CIVIL
STATE OF CALIFORNIA
2/9/2026
ARCHITECT / CONSULTANT STAMP

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1174 E. J STREET, CHULA VISTA, CA 91910

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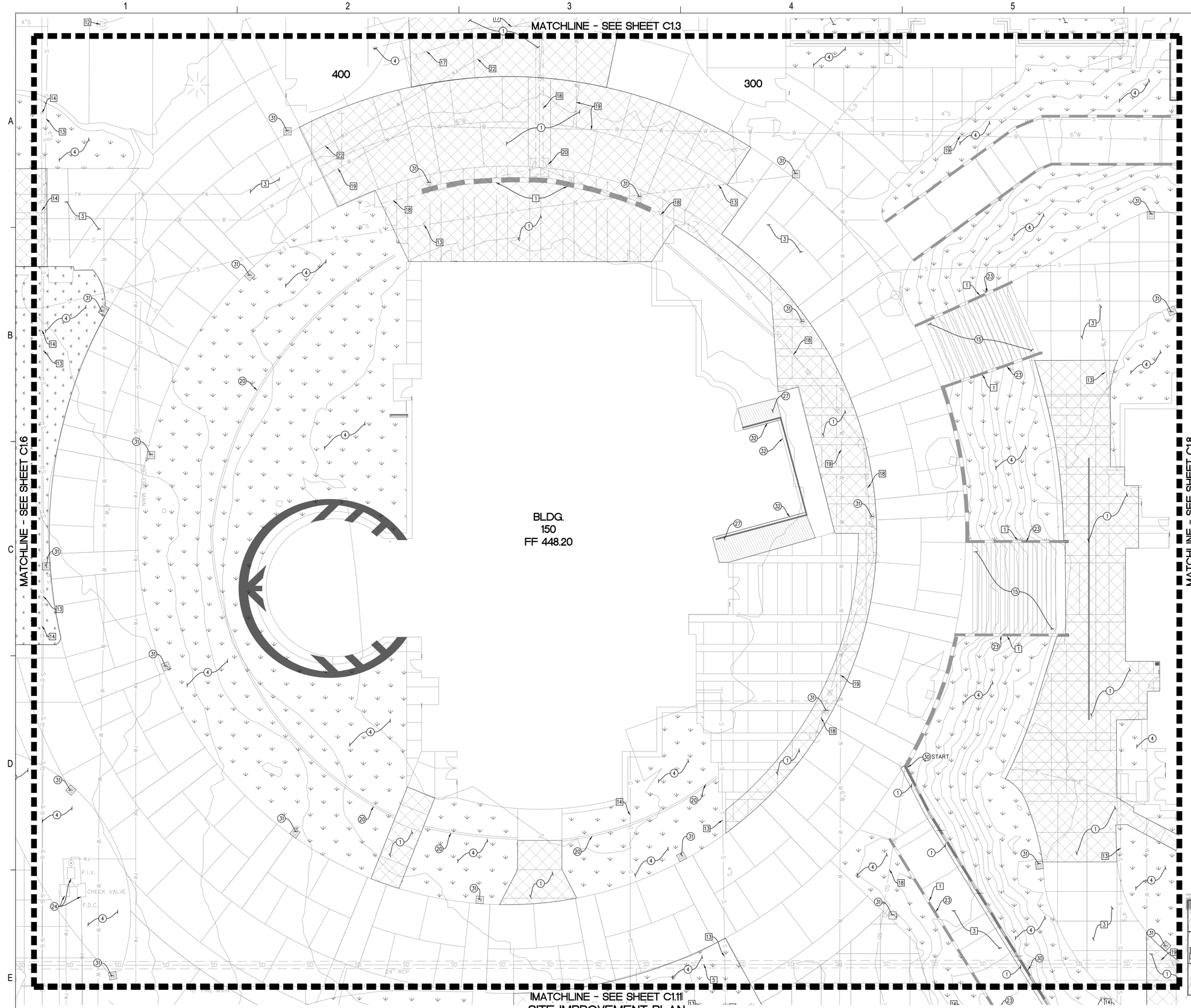
Revisions	:	

DEMOLITION PLAN

C1.6



SITE IMPROVEMENT PLAN

SCALE: 1" = 10'

NOTES TO CONTRACTOR:

1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

DEMOLITION NOTES

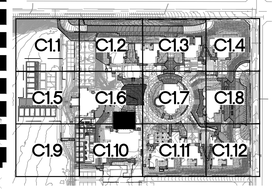
1. REMOVE EXISTING PAVEMENT. PAVEMENT REMOVAL SHALL BE TO NEAREST JOINT. NO PARTIAL PANELS SHALL BE REMOVED.
4. CLEAR AND GRUB EXISTING LANDSCAPE. REFER TO LANDSCAPE PLANS FOR ADDITIONAL DETAILS.
15. REPAIR ANY DAMAGED STEPS.
20. REMOVE EXISTING MOW CURB.
23. GRIND EXISTING HANDRAIL ANTI SKATE BOLTS FLUSH TO HANDRAIL. FINISH SHOULD BE SMOOTH WITH NO PITS OR VOIDS. REFER TO SHEET AS-501 FOR ADDITIONAL INFORMATION.
24. EXISTING FIRE SERVICE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE.
27. REMOVE AND REPLACE EXISTING CONCRETE PANEL JOINT TO JOINT FOR CONNECTION OF THE EXISTING STORM DRAIN TO PROPOSED DOWNSPOUT.
30. SAWCUT EXISTING RAMP TO REMOVE CURB PORTION OF EXISTING WALL. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
31. REMOVE EXISTING LIGHT BOLLARD, PAD AND FOOTING. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
32. REMOVE EXISTING IN-WALL DOWNSPOUT. CONTRACTOR TO CAP AND ABANDON STORM DRAIN LINE PER PLUMBING PLANS.

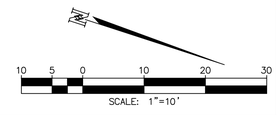
PROTECTION NOTES

1. EXISTING WALL TO REMAIN PROTECTED IN PLACE.
3. EXISTING PAVEMENT TO REMAIN PROTECTED IN PLACE.
5. EXISTING STORM DRAIN INLET TO REMAIN PROTECTED IN PLACE. ADJUST TO GRADE AS NECCESSARY.
12. EXISTING CURB INLET TO REMAIN PROTECTED IN PLACE.
13. EXISTING SEWER LINE TO REMAIN AND BE PROTECTED IN PLACE.
14. EXISTING GAS LINE TO REMAIN.
17. EXISTING ELECTRICAL LINE TO BE REMAIN AND BE PROTECTED IN PLACE.
18. EXISTING STORM DRAIN LINE TO REMAIN AND BE PROTECTED IN PLACE.
19. EXISTING DOMESTIC WATER LINE TO REMAIN AND BE PROTECTED IN PLACE.
20. EXISTING STORM DRAIN CLEANOUT TO REMAIN AND BE PROTECTED IN PLACE.
22. EXISTING FIRE SERVICE LINE TO REMAIN AND BE PROTECTED IN PLACE.

DEMOLITION LEGEND

- SAWCUT LINE
- PAVEMENT REMOVAL
- CLEAR AND GRUB LANDSCAPE
- TRENCHING LIMITS
- GRIND AND REMOVE AC





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SAN DIEGO, CALIFORNIA 92110
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REGISTERED PROFESSIONAL ENGINEER
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No. 92319
Exp. 6-30-27
STATE OF CALIFORNIA
2/9/2026

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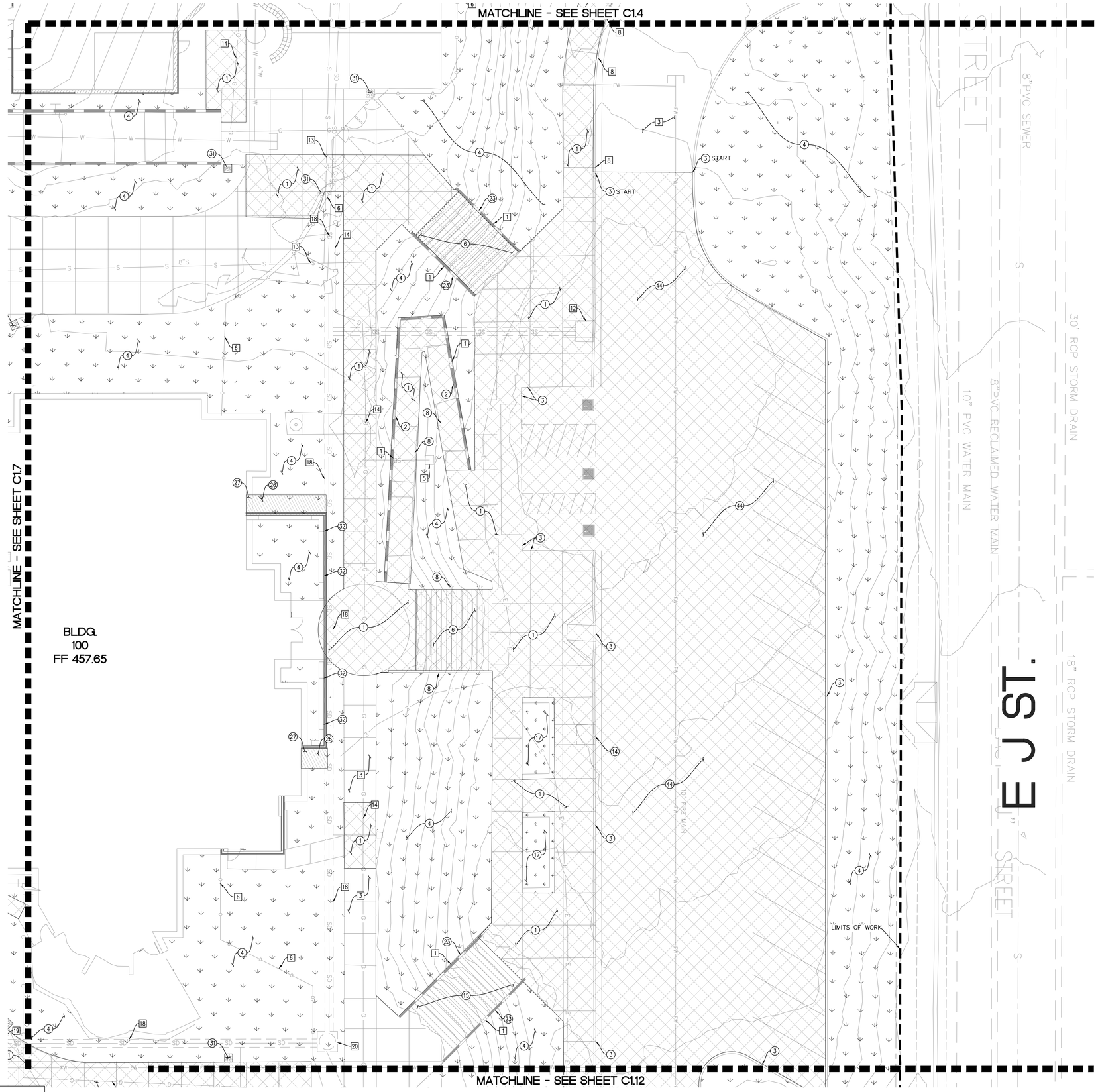
Revisions	:	

DEMOLITION PLAN

C1.7



DEMOLITION NOTES

1. REMOVE EXISTING PAVEMENT. PAVEMENT REMOVAL SHALL BE TO NEAREST JOINT. NO PARTIAL PANELS SHALL BE REMOVED.
2. REMOVE EXISTING HANDRAIL.
3. REMOVE EXISTING CURB/CURB AND GUTTER.
4. CLEAR AND GRUB EXISTING LANDSCAPE. REFER TO LANDSCAPE PLANS FOR ADDITIONAL DETAILS.
6. REMOVE EXISTING STAIRS AND HAINDRAIL.
8. REMOVE EXISTING WALL.
14. REMOVE EXISTING CURB INLET.
15. REPAIR ANY DAMAGED STEPS.
17. REMOVE EXISTING PLANTER BOXES.
23. GRIND EXISTING HANDRAIL ANTI SKATE BOLTS FLUSH TO HANDRAIL. FINISH SHOULD BE SMOOTH WITH NO PITS OR VOIDS. REFER TO SHEET AS-501 FOR ADDITIONAL INFORMATION.
26. REMOVE EXISTING LANDSCAPE FOR THE INSTALLATION OF STORM DRAIN POC. REFER TO PLUMBING PLANS FOR MORE INFORMATION ON POCS.
27. REMOVE AND REPLACE EXISTING CONCRETE PANEL JOINT TO JOINT FOR CONNECTION OF THE EXISTING STORM DRAIN TO PROPOSED DOWNSPOUT.
31. REMOVE EXISTING LIGHT BOLLARD, PAD AND FOOTING. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
32. REMOVE EXISTING IN-WALL DOWNSPOUT. CONTRACTOR TO CAP AND ABANDON STORM DRAIN LINE PER PLUMBING PLANS.
44. REMOVE EXISTING ASPHALT PAVEMENT AND BASE.

PROTECTION NOTES

1. EXISTING WALL TO REMAIN PROTECTED IN PLACE.
3. EXISTING PAVEMENT TO REMAIN PROTECTED IN PLACE.
5. EXISTING STORM DRAIN INLET TO REMAIN PROTECTED IN PLACE. ADJUST TO GRADE AS NECCESSARY.
6. EXISTING FENCE TO REMAIN PROTECTED IN PLACE.
8. EXISTING CURB TO REMAIN PROTECTED IN PLACE.
12. EXISTING CURB INLET TO REMAIN PROTECTED IN PLACE.
13. EXISTING SEWER LINE TO REMAIN AND BE PROTECTED IN PLACE.
14. EXISTING GAS LINE TO REMAIN.
18. EXISTING STORM DRAIN LINE TO REMAIN AND BE PROTECTED IN PLACE.
19. EXISTING DOMESTIC WATER LINE TO REMAIN AND BE PROTECTED IN PLACE.
20. EXISTING STORM DRAIN CLEANOUT TO REMAIN AND BE PROTECTED IN PLACE.

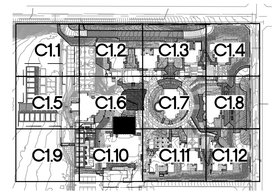
DEMOLITION LEGEND

SAWCUT LINE

PAVEMENT REMOVAL

CLEAR AND GRUB LANDSCAPE

TRENCHING LIMITS



NOTES TO CONTRACTOR:
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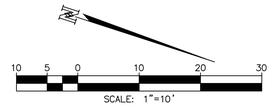
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

DEMOLITION PLAN

SCALE: 1" = 10'



SCALE: 1"=10'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
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REGISTERED PROFESSIONAL ENGINEER
DANIEL QUINDOS
No. 92319
EXP. 6-30-27
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2/9/2026

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RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEET WATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
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Drawn By	:	BR,VO
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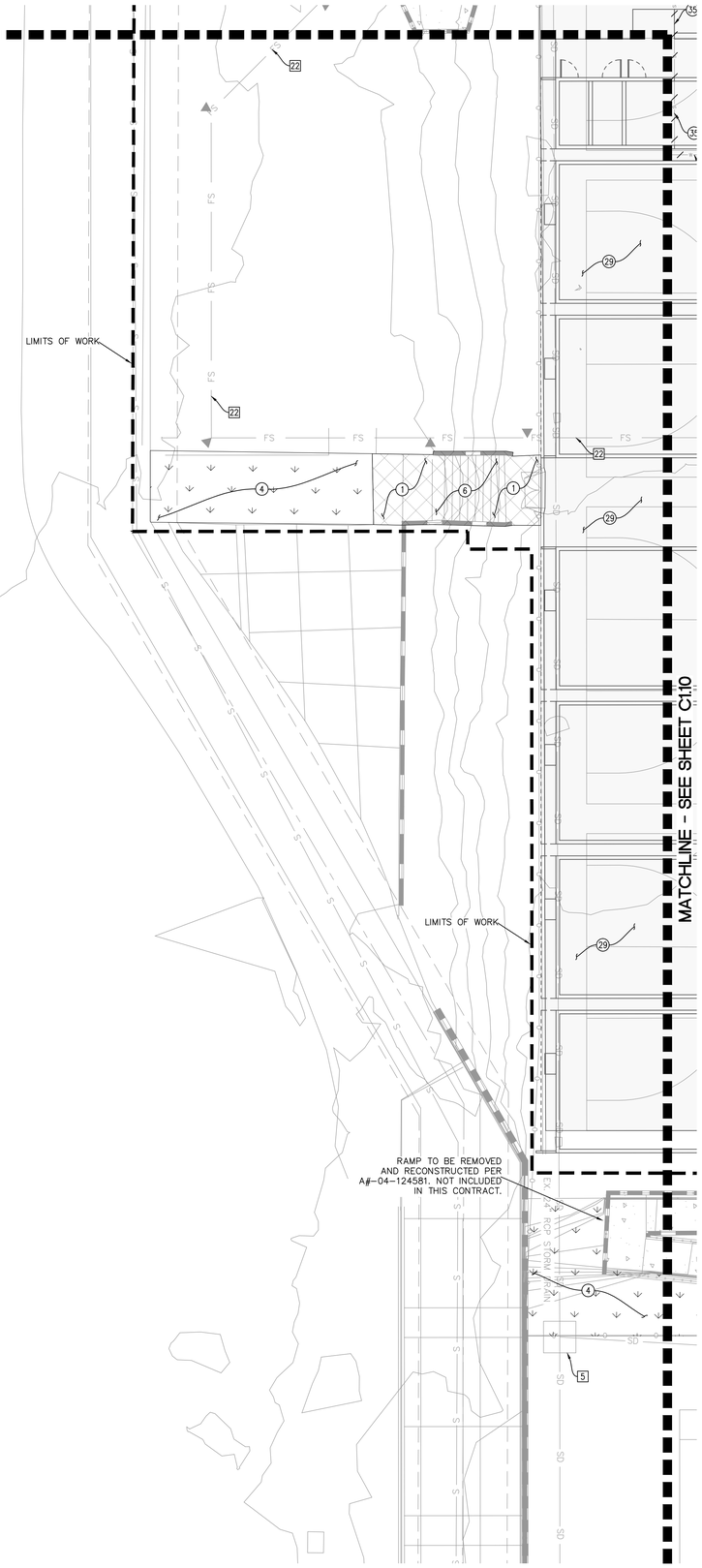
Revisions	:	

DEMOLITION PLAN

C1.8

PLOT DATE: 2/9/2026 2:29 PM

MATCHLINE - SEE SHEET C1.5



DEMOLITION NOTES

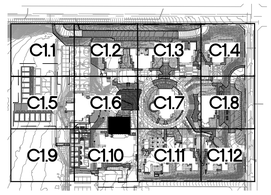
1. REMOVE EXISTING PAVEMENT. PAVEMENT REMOVAL SHALL BE TO NEAREST JOINT. NO PARTIAL PANELS SHALL BE REMOVED.
4. CLEAR AND GRUB EXISTING LANDSCAPE. REFER TO LANDSCAPE PLANS FOR ADDITIONAL DETAILS.
6. REMOVE EXISTING STAIRS AND HAINDRAIL.
29. THIRD PARTY TO COORDINATE WITH DISTRICT FOR THE REMOVAL OF PORTABLE CLASSROOMS DURING APPROPRIATE PHASE. CONTRACTOR TO COORDINATE WITH DISTRICT FOR GRIND, OVERLAY, AND RESTRIPE OF BASKETBALL COURT DURING APPROPRIATE PHASE. RESTRIPE BASKETBALL COURT PER ARCHITECTURAL PLANS.
35. REMOVE EXISTING SEWER LINE; CONTRACTOR TO COORDINATE WITH THE DISTRICT FOR THE APPROPRIATE PHASE FOR REMOVAL.
37. REMOVE EXISTING WATER LINE; CONTRACTOR TO COORDINATE WITH THE DISTRICT FOR THE APPROPRIATE PHASE FOR REMOVAL.

PROTECTION NOTES

5. EXISTING STORM DRAIN INLET TO REMAIN PROTECTED IN PLACE. ADJUST TO GRADE AS NECCESSARY.
22. EXISTING FIRE SERVICE LINE TO REMAIN AND BE PROTECTED IN PLACE.

DEMOLITION LEGEND

- SAWCUT LINE
- PAVEMENT REMOVAL
- CLEAR AND GRUB LANDSCAPE
- TRENCHING LIMITS



10 5 0 10 20 30

SCALE: 1"=10'

DEMOLITION PLAN

SCALE: 1" = 10'

NOTES TO CONTRACTOR:
1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

PLOT DATE: 2/9/2026 2:37 PM

IDENTIFICATION STAMP
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SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
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REGISTERED PROFESSIONAL ENGINEER DANIEL QUINONES No. 92319 EXP. 6-30-27 STATE OF CALIFORNIA
2/9/2026
ARCHITECT / CONSULTANT STAMP

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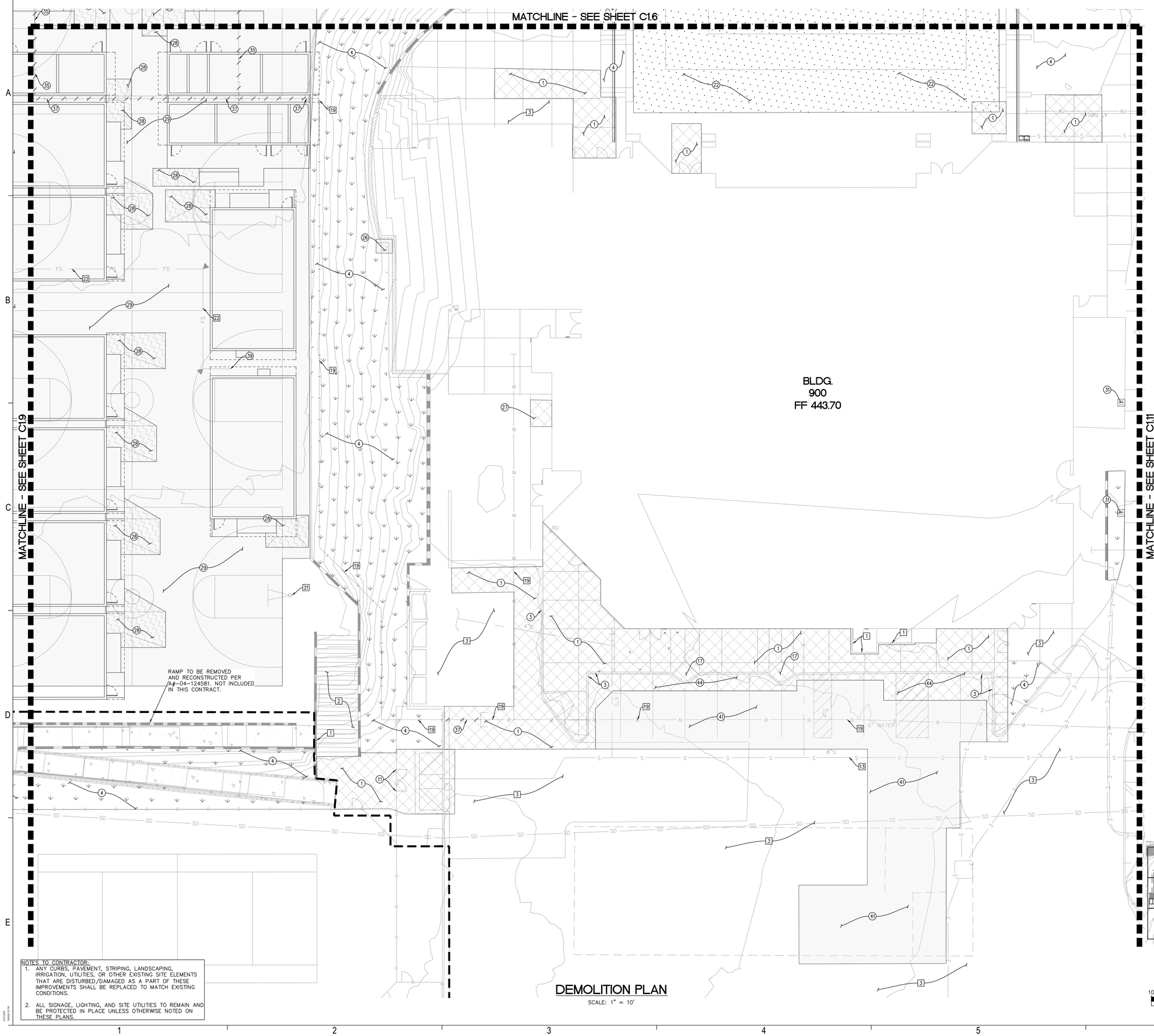
DEMOLITION PLAN

C1.9



DEMOLITION NOTES

1. REMOVE EXISTING PAVEMENT. PAVEMENT REMOVAL SHALL BE TO NEAREST JOINT. NO PARTIAL PANELS SHALL BE REMOVED.
3. REMOVE EXISTING CURB/CURB AND GUTTER.
4. CLEAR AND GRUB EXISTING LANDSCAPE. REFER TO LANDSCAPE PLANS FOR ADDITIONAL DETAILS.
11. REMOVE EXISTING GATE.
17. REMOVE EXISTING PLANTER BOXES.
22. ROUGHEN EXISTING CONCRETE BY SANDBLASTING OR OTHER APPROVED METHOD. PRIOR TO CONTRACTOR FULL COURT ROUGHENING, A 5'X5' SAMPLE SHALL BE PRESENTED TO DISTRICT INSPECTOR FOR APPROVAL PRIOR TO COMMENCING WORK.
26. REMOVE EXISTING LANDSCAPE FOR THE INSTALLATION OF STORM DRAIN POC. REFER TO PLUMBING PLANS FOR MORE INFORMATION ON POCS.
27. REMOVE AND REPLACE EXISTING CONCRETE PANEL JOINT TO JOINT FOR CONNECTION OF THE EXISTING STORM DRAIN TO PROPOSED DOWNSPOUT.
28. CONTRACTOR TO COORDINATE WITH DISTRICT AND REMOVE TEMPORARY AC LANDINGS DURING APPROPRIATE PHASE.
29. THIRD PARTY TO COORDINATE WITH DISTRICT FOR THE REMOVAL OF PORTABLE CLASSROOMS DURING APPROPRIATE PHASE. CONTRACTOR TO COORDINATE WITH DISTRICT FOR GRIND, OVERLAY, AND RESTRIPE OF BASKETBALL COURT DURING APPROPRIATE PHASE. RESTRIPE BASKETBALL COURT PER ARCHITECTURAL PLANS.
31. REMOVE EXISTING LIGHT BOLLARD, PAD AND FOOTING. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
35. REMOVE EXISTING SEWER LINE; CONTRACTOR TO COORDINATE WITH THE DISTRICT FOR THE APPROPRIATE PHASE FOR REMOVAL.
37. REMOVE EXISTING WATER LINE; CONTRACTOR TO COORDINATE WITH THE DISTRICT FOR THE APPROPRIATE PHASE FOR REMOVAL.
39. CUT AND ABANDON EXISTING FIRE SERVICE. REMOVE EXISTING FDC.
41. GRIND AND OVERLAY PER GRADING PLAN.
44. REMOVE EXISTING ASPHALT PAVEMENT AND BASE.

PROTECTION NOTES

1. EXISTING WALL TO REMAIN PROTECTED IN PLACE.
2. EXISTING STAIRS TO REMAIN PROTECTED IN PLACE.
3. EXISTING PAVEMENT TO REMAIN PROTECTED IN PLACE.
13. EXISTING SEWER LINE TO REMAIN AND BE PROTECTED IN PLACE.
19. EXISTING DOMESTIC WATER LINE TO REMAIN AND BE PROTECTED IN PLACE.
21. EXISTING BASKETBALL POLE TO REMAIN AND BE PROTECTED IN PLACE.
22. EXISTING FIRE SERVICE LINE TO REMAIN AND BE PROTECTED IN PLACE.

NOTES TO CONTRACTOR:

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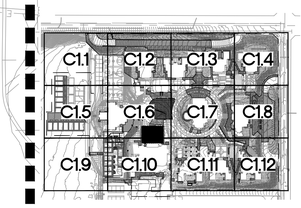
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

DEMOLITION PLAN

SCALE: 1" = 10'



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REGISTERED PROFESSIONAL ENGINEER
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Exp. 6-30-27
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CONSULTANT LOGO

NE JOB NO. 124-029.1

SWEETWATER
UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEET WATER UNION HIGH SCHOOL DISTRICT

RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	BR,VO
Checked By	:	DQ
Revisions	:	

DEMOLITION PLAN

C1.10

MATCHLINE - SEE SHEET C1.7

MATCHLINE - SEE SHEET C1.10

MATCHLINE - SEE SHEET C1.12

800

800

700

BLDG.
800
FF 445.16

BLDG.
700
FF 448.90

LIMITS OF WORK

DEMOLITION NOTES

1. REMOVE EXISTING PAVEMENT. PAVEMENT REMOVAL SHALL BE TO NEAREST JOINT. NO PARTIAL PANELS SHALL BE REMOVED.
2. REMOVE EXISTING HANDRAIL.
4. CLEAR AND GRUB EXISTING LANDSCAPE. REFER TO LANDSCAPE PLANS FOR ADDITIONAL DETAILS.
5. EXISTING CELLULAR BUILDING TO BE DEMOLISHED.
7. REMOVE EXISTING SHADE STRUCTURE AND ASSOCIATED FOOTINGS. CONTRACTOR TO GRIND 6" BELOW FINISH GRADE.
9. REMOVE EXISTING CELLULAR TOWER AND BASE.
15. REPAIR ANY DAMAGED STEPS.
20. REMOVE EXISTING MOW CURB.
21. EXISTING STORAGE CONTAINERS TO REMAIN AND BE PROTECTED IN PLACE.
23. GRIND EXISTING HANDRAIL ANTI SKATE BOLTS FLUSH TO HANDRAIL. FINISH SHOULD BE SMOOTH WITH NO PITS OR VOIDS. REFER TO SHEET A5–501 FOR ADDITIONAL INFORMATION.
27. REMOVE AND REPLACE EXISTING CONCRETE PANEL JOINT TO JOINT FOR CONNECTION OF THE EXISTING STORM DRAIN TO PROPOSED DOWNSPOUT.
30. SAWCUT EXISTING RAMP TO REMOVE CURB PORTION OF EXISTING WALL. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
31. REMOVE EXISTING LIGHT BOLLARD, PAD AND FOOTING. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
32. REMOVE EXISTING IN–WALL DOWNSPOUT. CONTRACTOR TO CAP AND ABANDON STORM DRAIN LINE PER PLUMBING PLANS.
40. REMOVE EXISTING STORAGE CONTAINER.

PROTECTION NOTES

1. EXISTING WALL TO REMAIN PROTECTED IN PLACE.
2. EXISTING STAIRS TO REMAIN PROTECTED IN PLACE.
3. EXISTING PAVEMENT TO REMAIN PROTECTED IN PLACE.
5. EXISTING STORM DRAIN INLET TO REMAIN PROTECTED IN PLACE. ADJUST TO GRADE AS NECCESARY.
6. EXISTING FENCE TO REMAIN PROTECTED IN PLACE.
11. EXISTING COLUMN TO REMAIN PROTECTED IN PLACE.
13. EXISTING SEWER LINE TO REMAIN AND BE PROTECTED IN PLACE.
14. EXISTING GAS LINE TO REMAIN.
18. EXISTING STORM DRAIN LINE TO REMAIN AND BE PROTECTED IN PLACE.
19. EXISTING DOMESTIC WATER LINE TO REMAIN AND BE PROTECTED IN PLACE.

NOTES TO CONTRACTOR:

1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

DEMOLITION PLAN

SCALE: 1" = 10'

C1.1 C1.2 C1.3 C1.4
C1.5 C1.6 C1.7 C1.8
C1.9 C1.10 C1.11 C1.12

SCALE: 1"=10'

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SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

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SWEET WATER UNION HIGH SCHOOL DISTRICT

RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
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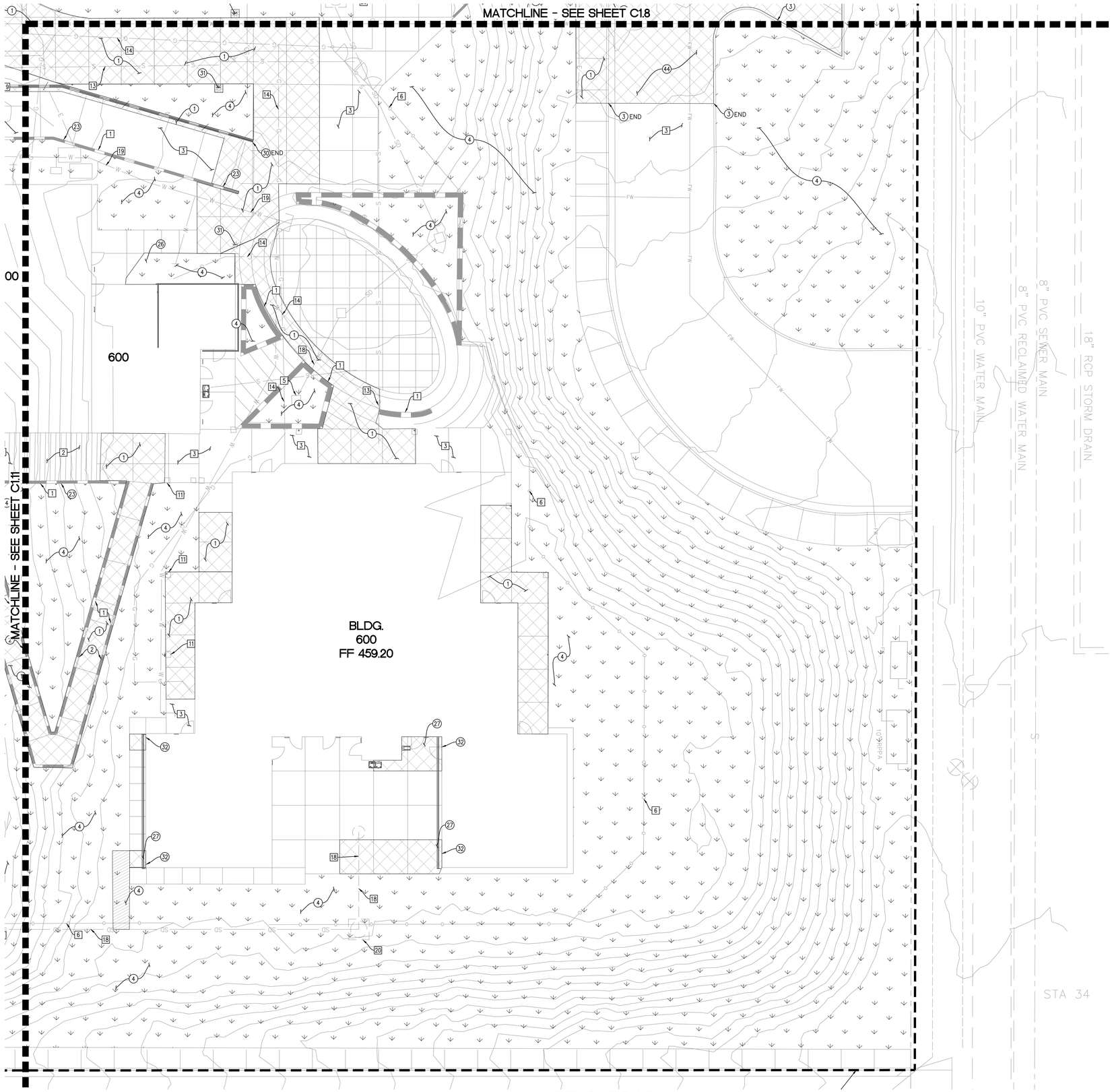
Drawn By	:	BR,VO
Checked By	:	DQ
Revisions	:	

DEMOLITION PLAN

C1.11



DEMOLITION PLAN
SCALE: 1" = 10'

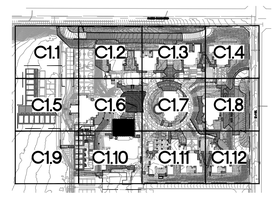
DEMOLITION NOTES

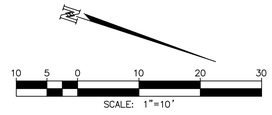
1. REMOVE EXISTING PAVEMENT. PAVEMENT REMOVAL SHALL BE TO NEAREST JOINT. NO PARTIAL PANELS SHALL BE REMOVED.
2. REMOVE EXISTING HANDRAIL.
3. REMOVE EXISTING CURB/CURB AND GUTTER.
4. CLEAR AND GRUB EXISTING LANDSCAPE. REFER TO LANDSCAPE PLANS FOR ADDITIONAL DETAILS.
23. GRIND EXISTING HANDRAIL ANTI SKATE BOLTS FLUSH TO HANDRAIL. FINISH SHOULD BE SMOOTH WITH NO PITS OR VOIDS. REFER TO SHEET A5–501 FOR ADDITIONAL INFORMATION.
26. REMOVE EXISTING LANDSCAPE FOR THE INSTALLATION OF STORM DRAIN POC. REFER TO PLUMBING PLANS FOR MORE INFORMATION ON POCS.
27. REMOVE AND REPLACE EXISTING CONCRETE PANEL JOINT TO JOINT FOR CONNECTION OF THE EXISTING STORM DRAIN TO PROPOSED DOWNSPOUT.
30. SAWCUT EXISTING RAMP TO REMOVE CURB PORTION OF EXISTING WALL. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
31. REMOVE EXISTING LIGHT BOLLARD, PAD AND FOOTING. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
32. REMOVE EXISTING IN–WALL DOWNSPOUT. CONTRACTOR TO CAP AND ABANDON STORM DRAIN LINE PER PLUMBING PLANS.
44. REMOVE EXISTING ASPHALT PAVEMENT AND BASE.

PROTECTION NOTES

1. EXISTING WALL TO REMAIN PROTECTED IN PLACE.
2. EXISTING STAIRS TO REMAIN PROTECTED IN PLACE.
3. EXISTING PAVEMENT TO REMAIN PROTECTED IN PLACE.
5. EXISTING STORM DRAIN INLET TO REMAIN PROTECTED IN PLACE. ADJUST TO GRADE AS NECCESSARY.
6. EXISTING FENCE TO REMAIN PROTECTED IN PLACE.
11. EXISTING COLUMN TO REMAIN PROTECTED IN PLACE.
13. EXISTING SEWER LINE TO REMAIN AND BE PROTECTED IN PLACE.
14. EXISTING GAS LINE TO REMAIN.
18. EXISTING STORM DRAIN LINE TO REMAIN AND BE PROTECTED IN PLACE.
19. EXISTING DOMESTIC WATER LINE TO REMAIN AND BE PROTECTED IN PLACE.
20. EXISTING STORM DRAIN CLEANOUT TO REMAIN AND BE PROTECTED IN PLACE.

NOTES TO CONTRACTOR:
1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.





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RANCHO DEL REY MIDDLE SCHOOL
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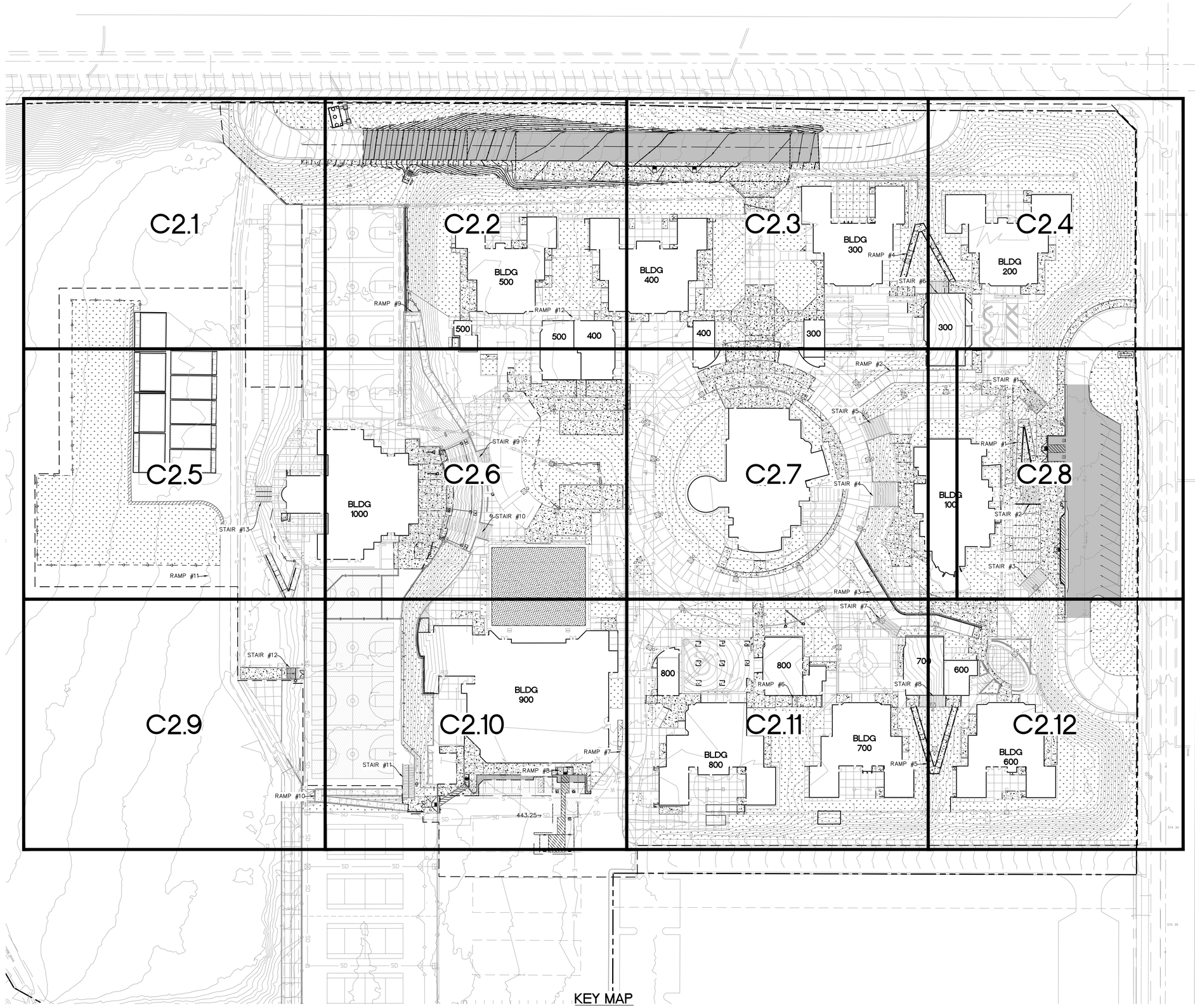
Revisions	:	

DEMOLITION PLAN

C1.12



KEY MAP
SCALE: 1" = 40'

NOTES TO CONTRACTOR:
1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

NOTES:
CONTRACTOR TO COMPLY WITH CBC AND CFC CH 33-FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION. REFER TO DSA BULLETIN 24-05 FOR FURTHER INFORMATION.

40 20 0 40 80 120
SCALE: 1"=40'

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SITE IMPROVEMENT KEY MAP

C2.0

CONSTRUCTION NOTES

1. WALKWAY PAVEMENT PER DETAIL 13 ON DETAILS SHEET C5.4.
38. PROPOSED PLANTING AREA PER LANDSCAPE PLANS.
44. RE-INSTALL LAWN AT THE END OF THE PROJECT AFTER FINAL BENEFICIAL OCCUPANCY OF FINAL PHASE AND AFTER REMOVAL OF MODULAR UNITS.
51. EXISTING CURB TO BE PROTECTED IN PLACE.
52. DOWEL TO EXISTING CONCRETE PER DETAIL 22 ON DETAILS SHEET C5.5.

EXIST. 8" PVC SEWER

(11.9%)

(410.78TC)
(411.34TC)
(5.85%)
(411.07FS)
5"
(411.41FS)

MATCHLINE - SEE SHEET C2.2

DAYLIGHT
(418.79FS)
(420.11FS)
(420.13FS)
(420.19FS)
(418.69FS)
(420.25FS)

MATCHLINE - SEE SHEET C2.4

SITE IMPROVEMENT PLANS

SCALE: 1" = 10'

NOTES TO CONTRACTOR:
1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

C2.1 C2.2 C2.3 C2.4 C2.5 C2.6 C2.7 C2.8 C2.9 C2.10 C2.11 C2.12

SCALE: 1"=10'

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Revisions	:	

SITE IMPROVEMENT PLANS

C2.1

PLOT DATE:
2/9/2026 2:29 PM

CONSTRUCTION NOTES

1. WALKWAY PAVEMENT PER DETAIL 13 ON DETAILS SHEET C5.4.
2. ACCESSIBLE DROP-OFF AND LOADING ZONE PER DETAIL 6 ON DETAILS SHEET C5.0.
5. ASPHALT PAVEMENT AND BASE PER DETAIL 1 ON DETAILS SHEET C5.0.
9. 6" CURB AND GUTTER (TYPE G) PER SDG-151. REFER TO DETAIL 11 ON DETAILS SHEET C5.4.
10. 6" CURB PER SDG-150. REFER TO DETAIL 12 ON DETAILS SHEET C5.4.
18. STORM DRAIN TREATMENT UNIT PER DETAIL 19 ON DETAILS SHEET C5.5.
26. 18" MOW CURB PER LANDSCAPE DETAIL 6 ON SHEET L110.
35. INSTALL NEW 3" PVC STORM DRAIN PIPE. INSTALL STORM DRAIN CLEANOUT AT POINT OF CONNECTION PER DETAIL 21 ON DETAILS SHEET C5.5.
38. PROPOSED PLANTING AREA PER LANDSCAPE PLANS.
45. INSTALL NEW 3" DOWNSPOUT PER ARCHITECTURAL AND PLUMBING PLANS. CONNECT DOWNSPOUT TO EXISTING EXTERIOR STORM DRAIN. CONTRACTOR TO VERIFY LOCATION OF EXISTING STORM DRAIN.
46. INSTALL NEW CONCRETE PANEL TO REPLACE REMOVED EXISTING CONCRETE PANEL. MATCH THE EXISTING CONDITION.
49. INSTALL 18" SEATWALL. REFER FOR LANDSCAPE PLANS FOR SEATWALL DETAILS.
51. EXISTING CURB TO BE PROTECTED IN PLACE.
52. DOWEL TO EXISTING CONCRETE PER DETAIL 22 ON DETAILS SHEET C5.5.
55. CONSTRUCT CONCRETE DITCH PER DETAIL 26 SHEET C5.6.
56. CONSTRUCT CATCH BASIN TYPE F PER DETAIL 27 SHEET C5.6.
57. REMOVE AND REPLACE EXISTING LIGHT POLE. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

NOTES TO CONTRACTOR:
1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

NOTES TO CONTRACTOR:
3. CONTRACTOR TO VERIFY THE LOCATION OF EXISTING UTILITIES. THE LOCATION OF EXISTING UTILITIES ARE APPROXIMATE.

SITE IMPROVEMENT PLANS

SCALE: 1" = 10'

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CONSULTANT LOGO

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SWEET WATER UNION HIGH SCHOOL DISTRICT

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1174 E. J STREET, CHULA VISTA, CA 91910

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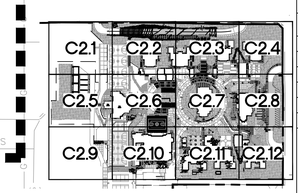
SITE IMPROVEMENT PLANS

C2.2



SCALE: 1"=10'

PASEO RANCHERO

BLDG. 400 FF 445.80

BLDG. 400 FF 445.85

BLDG. 300 FF 446.55

BLDG. 300 FF 446.32

MATCHLINE - SEE SHEET C2.2

MATCHLINE - SEE SHEET C2.4

MATCHLINE - SEE SHEET C2.6

SITE IMPROVEMENT PLANS

SCALE: 1" = 10'

NOTES TO CONTRACTOR:
1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

CONSTRUCTION NOTES

1. WALKWAY PAVEMENT PER DETAIL 13 ON DETAILS SHEET C5.4.
2. ACCESSIBLE DROP-OFF AND LOADING ZONE PER DETAIL 6 ON DETAILS SHEET C5.0.
5. ASPHALT PAVEMENT AND BASE PER DETAIL 1 ON DETAILS SHEET C5.0.
7. PEDESTRIAN RAMP AND PROTECTIVE RAILING PER SDM-115. REFER TO DETAIL 9 ON DETAILS SHEET C5.3.
8. REPLACED SURVEY MONUMENT PER RSD M-10. REFER TO DETAIL 10 ON DETAILS SHEET C5.3.
9. 6" CURB AND GUTTER (TYPE G) PER SDG-151. REFER TO DETAIL 11 ON DETAILS SHEET C5.4.
10. 6" CURB PER SDG-150. REFER TO DETAIL 12 ON DETAILS SHEET C5.4.
16. ARTIFICIAL TURF PER LANDSCAPE PLANS. ADJUST TURF TO FINISH SURFACE.
17. GATE PER ARCHITECTURAL DETAILS.
24. PROPOSED LIGHTING FIXTURE AND POLE PER ELECTRICAL PLANS, CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW POLE.
34. ADJUST CLEANOUT RIM TO GRADE.
38. PROPOSED PLANTING AREA PER LANDSCAPE PLANS.
40. INSTALL NEW GALVANIZED FLOATING HANDRAIL AT EXISTING HANDRAIL PER AS501.
45. INSTALL NEW 3" DOWNSPOUT PER ARCHITECTURAL AND PLUMBING PLANS. CONNECT DOWNSPOUT TO EXISTING EXTERIOR STORM DRAIN. CONTRACTOR TO VERIFY LOCATION OF EXISTING STORM DRAIN.
48. INSTALL NEW 3" EXTERIOR DOWNSPOUT TO DAYLIGHT. REFER TO SPLASH BLOCK IN ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
52. DOWEL TO EXISTING CONCRETE PER DETAIL 22 ON DETAILS SHEET C5.5.
53. MODIFIED 6" ROLLED CURB (NO GUTTER) PER RSD G-04A DETAIL 24 SHEET C5.5.
54. CONSTRUCT CURB TO ROLED CURB TRANSITION PER RSD G-04B DETAIL 25 SHEET C5.5.

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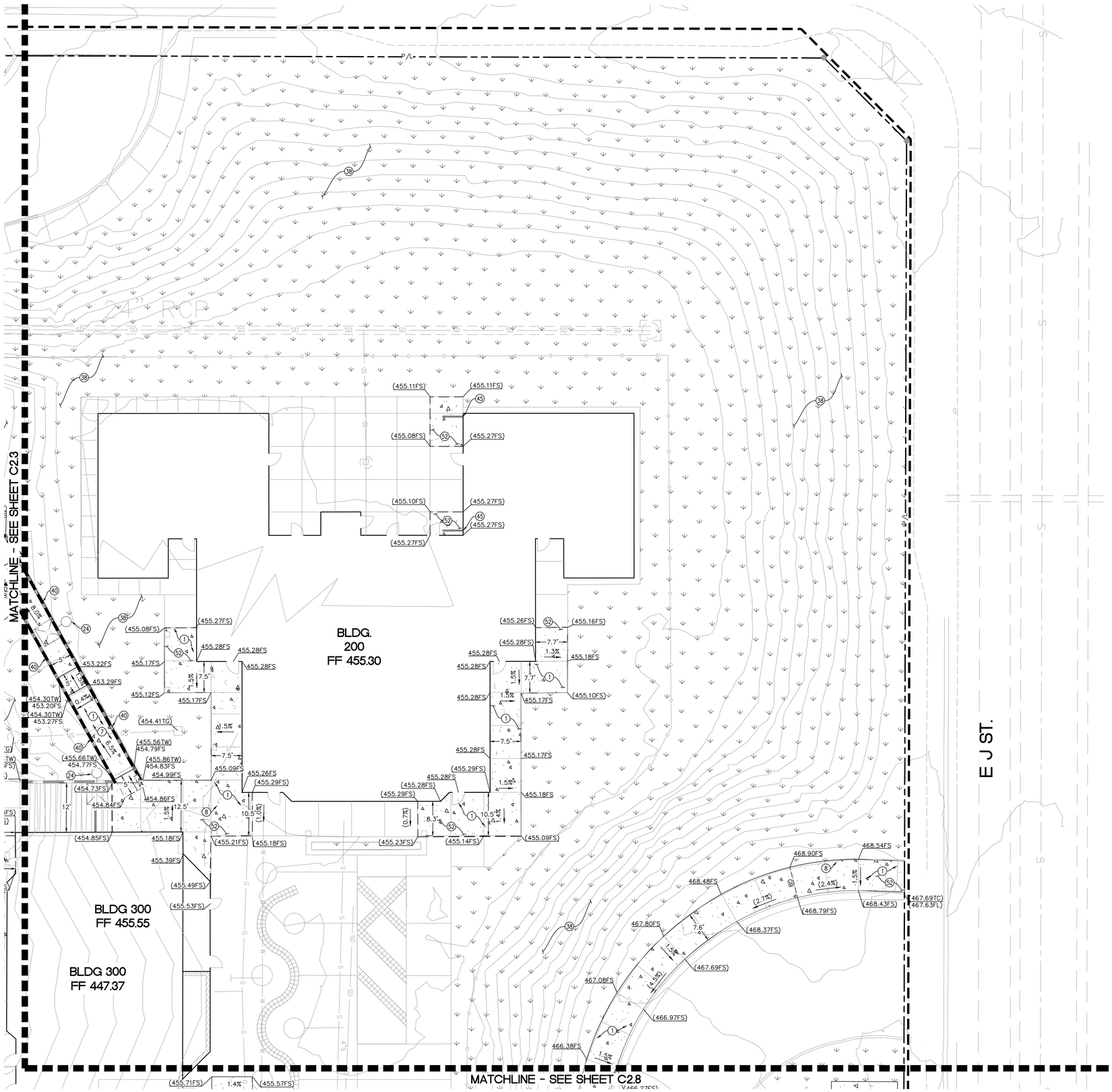
Checked By	:	DQ
Revisions	:	

C2.1 C2.2 C2.3 C2.4 C2.5 C2.6 C2.7 C2.8 C2.9 C2.10 C2.11 C2.12

SCALE: 1"=10'

SITE IMPROVEMENT PLANS

C2.3



CONSTRUCTION NOTES

1. WALKWAY PAVEMENT PER DETAIL 13 ON DETAILS SHEET C5.4.
7. PEDESTRIAN RAMP AND PROTECTIVE RAILING PER SDM-115. REFER TO DETAIL 9 ON DETAILS SHEET C5.3.
8. REPLACED SURVEY MONUMENT PER RSD M-10. REFER TO DETAIL 10 ON DETAILS SHEET C5.3.
24. PROPOSED LIGHTING FIXTURE AND POLE PER ELECTRICAL PLANS, CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW POLE.
38. PROPOSED PLANTING AREA PER LANDSCAPE PLANS.
40. INSTALL NEW GALVANIZED FLOATING HANDRAIL AT EXISTING HANDRAIL PER ASSO1.
45. INSTALL NEW 3" DOWNSPOUT PER ARCHITECTURAL AND PLUMBING PLANS. CONNECT DOWNSPOUT TO EXISTING EXTERIOR STORM DRAIN. CONTRACTOR TO VERIFY LOCATION OF EXISTING STORM DRAIN.
52. DOWEL TO EXISTING CONCRETE PER DETAIL 22 ON DETAILS SHEET C5.5.

SITE IMPROVEMENT PLANS

SCALE: 1" = 10'

NOTES TO CONTRACTOR:
1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

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1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
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REGISTERED PROFESSIONAL ENGINEER
DANIEL QUINDOS
NO. 92319
EXP. 6-30-27
CIVIL
STATE OF CALIFORNIA
2/9/2026

ARCHITECT / CONSULTANT STAMP

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(858) 292-7770 • nasland.com

CONSULTANT LOGO

NE JOB NO. 124-029.1

SWEETWATER
UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

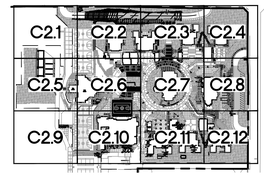
DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

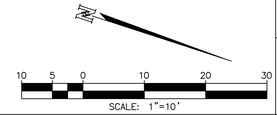
SWEET WATER UNION HIGH SCHOOL DISTRICT

RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

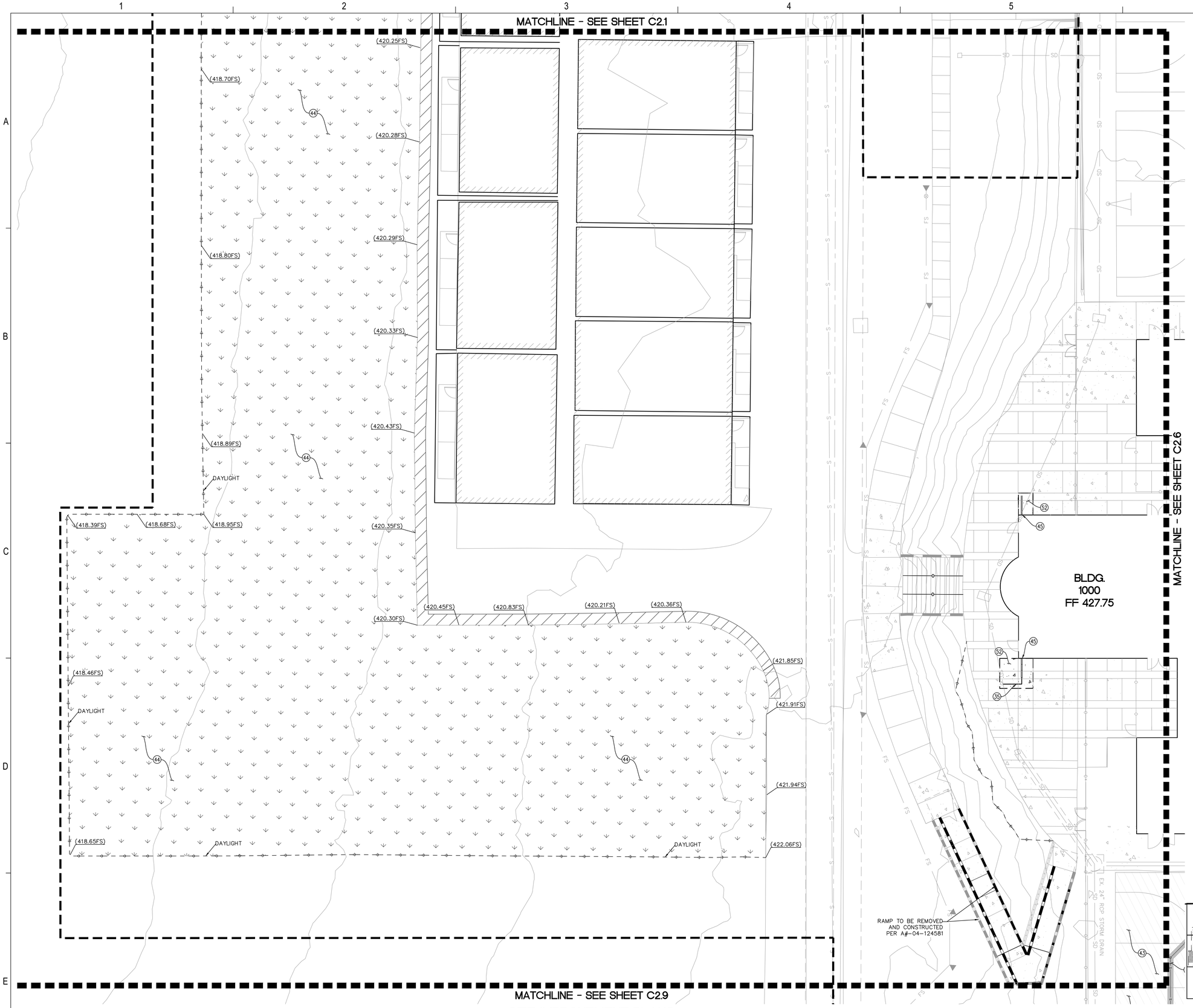
Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	BR,VO
Checked By	:	DQ
Revisions	:	



SITE IMPROVEMENT PLANS



C2.4



CONSTRUCTION NOTES

35 INSTALL NEW 3" PVC STORM DRAIN PIPE. INSTALL STORM DRAIN CLEANOUT AT POINT OF CONNECTION PER DETAIL 21 ON DETAILS SHEET C5.5.

43 GRIND AND OVERLAY EXISTING BASKETBALL COURTS TO PROVIDE A SMOOTH FINISH. REFER TO ARCHITECTURAL PLANS FOR RE-STRIPING AND RE-INSTALLATION OF BASKETBALL HOOP. CONTRACTOR TO COORDINATE WITH THE DISTRICT FOR THE APPROPRIATE PHASE FOR GRIND/OVERLAY, RE-STRIPING, AND RE-INSTALLATION OF BASKETBALL HOOPS.

44 RE-INSTALL LAWN AT THE END OF THE PROJECT AFTER FINAL BENEFICIAL OCCUPANCY OF FINAL PHASE AND AFTER REMOVAL OF MODULAR UNITS.

45 INSTALL NEW 3" DOWNSPOUT PER ARCHITECTURAL AND PLUMBING PLANS. CONNECT DOWNSPOUT TO EXISTING EXTERIOR STORM DRAIN. CONTRACTOR TO VERIFY LOCATION OF EXISTING STORM DRAIN.

52 DOWEL TO EXISTING CONCRETE PER DETAIL 22 ON DETAILS SHEET C5.5.

59 AC PAVEMENT TRENCH RESURFACING PER DETAIL 29 ON SHEET C5.6.

NOTES TO CONTRACTOR:
1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

SITE IMPROVEMENT PLANS

SCALE: 1" = 10'

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ARCHITECTS
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SWEETWATER
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DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEET WATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	BR,VO
Checked By	:	DQ
Revisions	:	

SITE IMPROVEMENT PLANS

C2.5

PLOT DATE: 2025/12/19/PM

MATCHLINE - SEE SHEET C2.2

MATCHLINE - SEE SHEET C2.5

MATCHLINE - SEE SHEET C2.7

MATCHLINE - SEE SHEET C2.10

RAMP TO BE REMOVED AND CONSTRUCTED PER A#-04-124581.

500
FF 444.20

400
FF 445.81

BLDG.
1000
FF 427.75

UTILITIES PER A#-04-124581

1% MIN	8" PVC
1% MIN	8" PVC
1% MIN	8" PVC
1% MIN	8" PVC
1% MIN	8" PVC
1% MIN	8" PVC
0.8%	18" PVC
0.9%	18" PVC

CONSTRUCTION NOTES

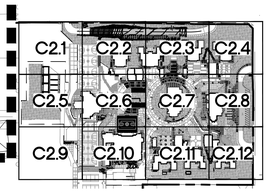
1. WALKWAY PAVEMENT PER DETAIL 13 ON DETAILS SHEET C5.4.
4. ADJUST ELEVATION OF EXISTING UTILITY TO FINISHED GRADE.
15. SHADE STRUCTURE AND FOOTINGS PER ARCHITECTURAL DETAILS.
21. PROPOSED TYPE 4A STORM DRAIN CLEANOUT PER DETAIL 15 ON DETAILS SHEET C5.4.
22. INSTALL 12" X 12" CATCH BASIN PER DETAIL 14 ON DETAILS SHEET C5.4.
24. PROPOSED LIGHTING FIXTURE AND POLE PER ELECTRICAL PLANS. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW POLE.
26. 18" MOW CURB PER LANDSCAPE DETAIL 6 ON SHEET L110.
29. ROUGHEN EXISTING CONCRETE BY SANDBLASTING OR OTHER APPROVED METHOD. PRIOR TO CONTRACTOR FULL COURT GRIND, A 5'X5' SAMPLE SHALL BE PRESENTED TO DISTRICT INSPECTOR FOR APPROVAL PRIOR TO COMMENCING WORK.CONTRACTOR TO COORDINATE WITH THE DISTRICT FOR THE APPROPIATE PHASE FOR GRIND/OVERLAY, RE-STRIPING, AND RE-INSTALLATION OF BASKETBALL HOOPS.
35. INSTALL NEW 3" PVC STORM DRAIN PIPE. INSTALL STORM DRAIN CLEANOUT AT POINT OF CONNECTION PER DETAIL 21 ON DETAILS SHEET C5.5.
36. INSTALL PIPE COLLAR PER DETAIL 16 ON DETAILS SHEET C5.4.
38. PROPOSED PLANTING AREA PER LANDSCAPE PLANS.
43. GRIND AND OVERLAY EXISTING BASKETBALL COURTS TO PROVIDE A SMOOTH FINISH. REFER TO ARCHITECTURAL PLANS FOR RE-STRIPING AND RE-INSTALLATION OF BASKETBALL HOOP. CONTRACTOR TO COORDINATE WITH THE DISTRICT FOR THE APPROPRIATE PHASE FOR GRIND/OVERLAY, RE-STRIPING, AND RE-INSTALLATION OF BASKETBALL HOOPS.
50. INSTALL STORM DRAIN CLEANOUT PER DETAIL 21 ON DETAILS SHEET C5.5.
52. DOWEL TO EXISTING CONCRETE PER DETAIL 22 ON DETAILS SHEET C5.5.
59. AC PAVEMENT TRENCH RESURFACING PER DETAIL 29 ON SHEET C5.6.

NOTES TO CONTRACTOR:
1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

SITE IMPROVEMENT PLANS

SCALE: 1" = 10'

WATER DATA				
NO	BEARING/DELTA	RADIUS	LENGTH	NOTE
L1	S72°00'10"W	–	18.01'	1" PVC
L2	S71°49'51"W	–	18.07'	1" PVC



SCALE: 1"=10'

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Revisions	:	

SITE IMPROVEMENT PLANS

C2.6

MATCHLINE - SEE SHEET C2.3

400
FF 445.85

300
FF 446.32

BLDG.
150
FF 448.20

MATCHLINE - SEE SHEET C2.6

MATCHLINE - SEE SHEET C2.8

MATCHLINE - SEE SHEET C2.11

CAUTION! GAS LINE

CHECK VALVE

P.V.

P.O.C.

CONSTRUCTION NOTES

1. WALKWAY PAVEMENT PER DETAIL 13 ON DETAILS SHEET C5.4.
4. ADJUST ELEVATION OF EXISTING UTILITY TO FINISHED GRADE.
6. RETAINING WALL AND FOOTING PER STRUCTURAL PLANS AND DETAILS.
13. PEDESTRIAN PROTECTIVE RAILING PER SDM-118. REFER TO DETAIL 2 ON DETAILS SHEET C5.0.
24. PROPOSED LIGHTING FIXTURE AND POLE PER ELECTRICAL PLANS, CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW POLE.
38. PROPOSED PLANTING AREA PER LANDSCAPE PLANS.
45. INSTALL NEW 3" DOWNSPOUT PER ARCHITECTURAL AND PLUMBING PLANS. CONNECT DOWNSPOUT TO EXISTING EXTERIOR STORM DRAIN. CONTRACTOR TO VERIFY LOCATION OF EXISTING STORM DRAIN.
52. DOWEL TO EXISTING CONCRETE PER DETAIL 22 ON DETAILS SHEET C5.5.

NOTES TO CONTRACTOR:
1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
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SITE IMPROVEMENT PLAN

SCALE: 1" = 10'

C2.1 C2.2 C2.3 C2.4 C2.5 C2.6 C2.7 C2.8 C2.9 C2.10 C2.11 C2.12

10 5 0 10 20 30
SCALE: 1"=10'

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Drawn By	:	BR,VO
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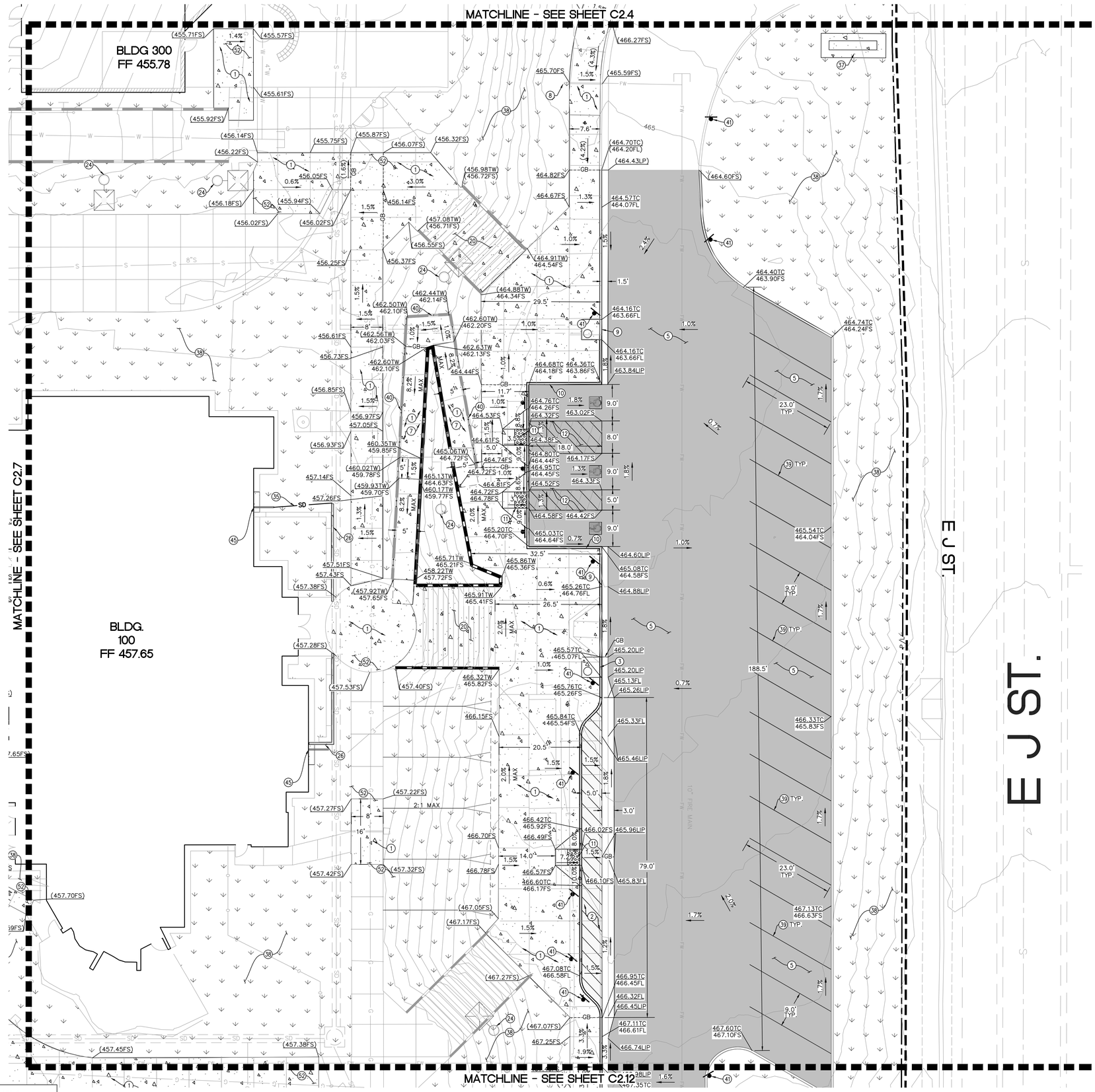
Revisions	:	

SITE IMPROVEMENT PLANS

C2.7



SITE IMPROVEMENT PLAN

SCALE: 1" = 10'

CONSTRUCTION NOTES

1. WALKWAY PAVEMENT PER DETAIL 13 ON DETAILS SHEET C5.4.
2. ACCESSIBLE DROP-OFF AND LOADING ZONE PER DETAIL 6 ON DETAILS SHEET C5.0.
3. TYPE B CURB INLET PER SDD-116. REFER TO DETAIL 8 ON DETAILS SHEET C5.3.
5. ASPHALT PAVEMENT AND BASE PER DETAIL 1 ON DETAILS SHEET C5.0.
7. PEDESTRIAN RAMP AND PROTECTIVE RAILING PER SDM-115. REFER TO DETAIL 9 ON DETAILS SHEET C5.3.
8. REPLACED SURVEY MONUMENT PER RSD M-10. REFER TO DETAIL 10 ON DETAILS SHEET C5.3.
9. 6" CURB AND GUTTER (TYPE G) PER SDG-151. REFER TO DETAIL 11 ON DETAILS SHEET C5.4.
10. 6" CURB PER SDG-150. REFER TO DETAIL 12 ON DETAILS SHEET C5.4.
11. TYPE B CURB RAMP PER SDG-133. REFER TO DETAIL 4 ON DETAILS SHEET C5.1.
12. ACCESSIBLE PARKING PER SDM-117. REFER TO DETAIL 6 ON DETAILS SHEET C5.1 & C5.2.
20. PROPOSED CONCRETE STAIRS AND GLAVANIZED HANDRAILS PER AS006.
24. PROPOSED LIGHTING FIXTURE AND POLE PER ELECTRICAL PLANS, CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW POLE.
26. 18" MOW CURB PER LANDSCAPE DETAIL 6 ON SHEET L110.
35. INSTALL NEW 3" PVC STORM DRAIN PIPE. INSTALL STORM DRAIN CLEANOUT AT POINT OF CONNECTION PER DETAIL 21 ON DETAILS SHEET C5.5.
37. INSTALL NEW PEDESTRIAN PAVEMENT FOR PROPOSED ELECTRIC MARQUEE PER DETAIL13. REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.
38. PROPOSED PLANTING AREA PER LANDSCAPE PLANS.
39. PAINT 4" TRAFFIC WHITE PARKING STRIPE PER MUTCD.
40. INSTALL NEW GALVANIZED FLOATING HANDRAIL AT EXISTING HANDRAIL PER AS501.
41. INSTALL PROPOSED FIRE LANE SIGN AND POST. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
45. INSTALL NEW 3" DOWNSPOUT PER ARCHITECTURAL AND PLUMBING PLANS. CONNECT DOWNSPOUT TO EXISTING EXTERIOR STORM DRAIN. CONTRACTOR TO VERIFY LOCATION OF EXISTING STORM DRAIN.
52. DOWEL TO EXISTING CONCRETE PER DETAIL 22 ON DETAILS SHEET C5.5.

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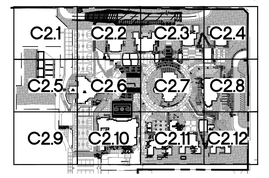
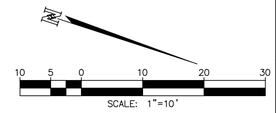
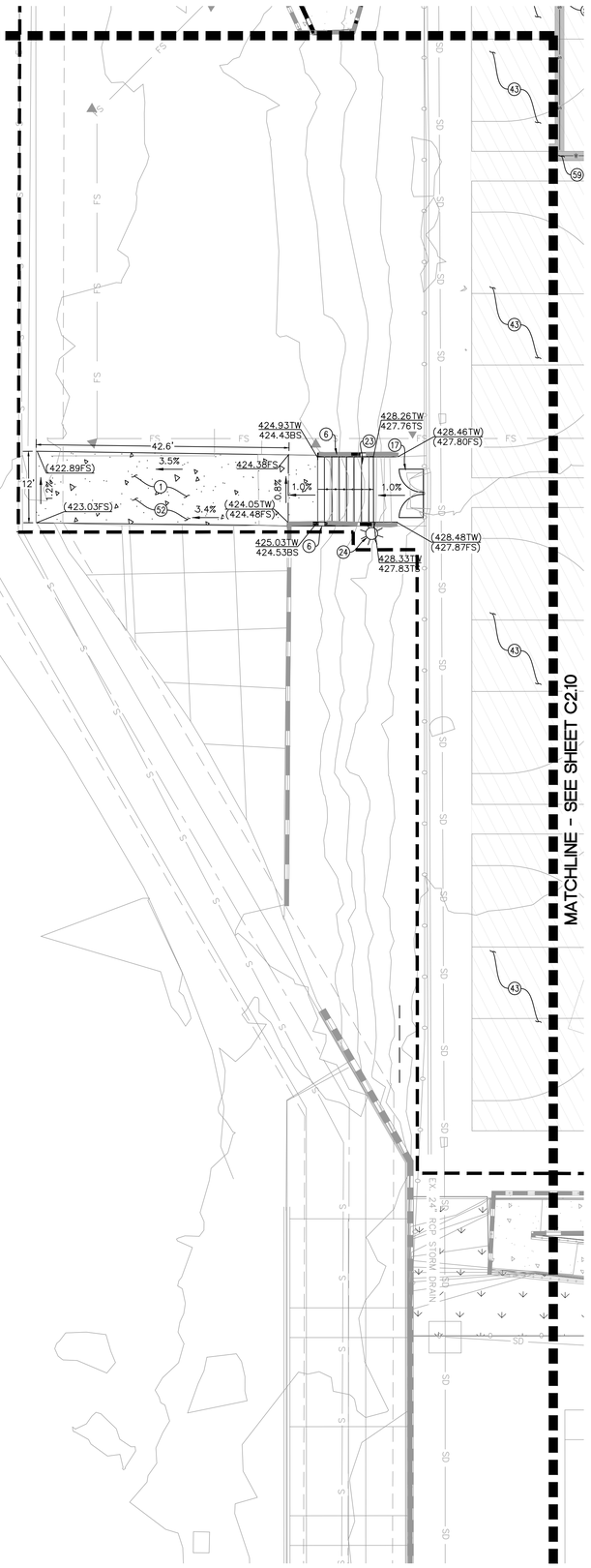


SITE IMPROVEMENT PLANS



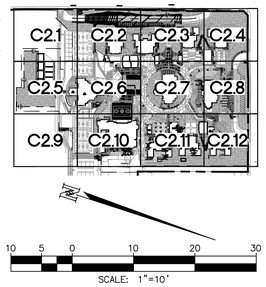
C2.8

MATCHLINE - SEE SHEET C2.5



CONSTRUCTION NOTES

1. WALKWAY PAVEMENT PER DETAIL 13 ON DETAILS SHEET C5.4.
6. RETAINING WALL AND FOOTING PER STRUCTURAL PLANS AND DETAILS.
17. GATE PER ARCHITECTURAL DETAILS.
23. PROPOSED (8) 5" STAIRS AND GALVANIZED HANDRAILS PER AS004.
24. PROPOSED LIGHTING FIXTURE AND POLE PER ELECTRICAL PLANS, CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW POLE.
43. GRIND AND OVERLAY EXISTING BASKETBALL COURTS TO PROVIDE A SMOOTH FINISH. REFER TO ARCHITECTURAL PLANS FOR RE-STRIPING AND RE-INSTALLATION OF BASKETBALL HOOP. CONTRACTOR TO COORDINATE WITH THE DISTRICT FOR THE APPROPRIATE PHASE FOR GRIND/OVERLAY, RE-STRIPING, AND RE-INSTALLATION OF BASKETBALL HOOPS.
52. DOWEL TO EXISTING CONCRETE PER DETAIL 22 ON DETAILS SHEET C5.5.
59. AC PAVEMENT TRENCH RESURFACING PER DETAIL 29 ON SHEET C5.6.



SITE IMPROVEMENT PLANS

SCALE: 1" = 10'

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PLOT DATE: 2/9/2026 3:29:08 PM

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EXP. 6-30-27
CIVIL
STATE OF CALIFORNIA
2/9/2026
ARCHITECT / CONSULTANT STAMP

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NE JOB NO. 124-029.1

SWEETWATER UNION HIGH SCHOOL DISTRICT
CLIENT LOGO

DSA BACKCHECK

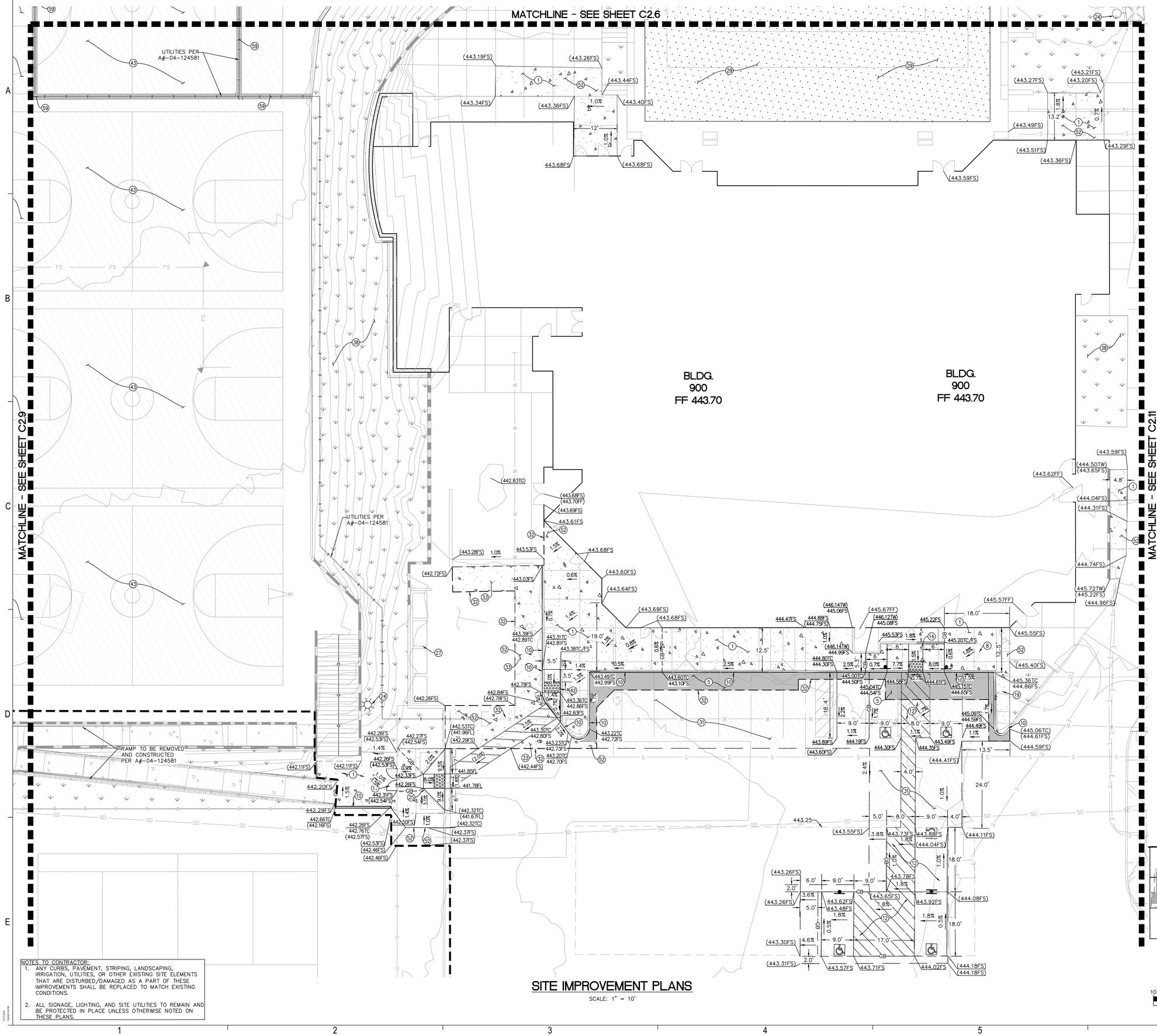
RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEET WATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	BR,VO
Checked By	:	DQ
Revisions	:	

SITE IMPROVEMENT PLANS

C2.9

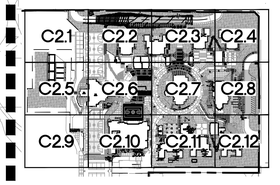


SITE IMPROVEMENT PLANS

SCALE: 1" = 10'

CONSTRUCTION NOTES

1. WALKWAY PAVEMENT PER DETAIL 13 ON DETAILS SHEET C5.4.
5. ASPHALT PAVEMENT AND BASE PER DETAIL 1 ON DETAILS SHEET C5.0.
8. REPLACED SURVEY MONUMENT PER RSD M-10. REFER TO DETAIL 10 ON DETAILS SHEET C5.3.
10. 6" CURB PER SDG-150. REFER TO DETAIL 12 ON DETAILS SHEET C5.4.
12. ACCESSIBLE PARKING PER SDM-117. REFER TO DETAIL 6 ON DETAILS SHEET C5.1 & C5.2.
14. TYPE C1 CURB RAMP PER SDG-135. REFER TO DETAIL 5 ON DETAILS SHEET C5.1.
17. GATE PER ARCHITECTURAL DETAILS.
19. EXISTING CONDUIT BOX TO REMAIN AND BE PROTECTED IN PLACE.
24. PROPOSED LIGHTING FIXTURE AND POLE PER ELECTRICAL PLANS, CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW POLE.
25. TYPE A CURB RAMP PER SDG-132. REFER TO DETAIL 17 ON DETAILS SHEET C5.4.
27. TRASH ENCLOSURE WITH GATES PER ASD04.
29. ROUGHEN EXISTING CONCRETE BY SANDBLASTING OR OTHER APPROVED METHOD. PRIOR TO CONTRACTOR FULL COURT GRIND, A 5'X5' SAMPLE SHALL BE PRESENTED TO DISTRICT INSPECTOR FOR APPROVAL PRIOR TO COMMENCING WORK.CONTRACTOR TO COORDINATE WITH THE DISTRICT FOR THE APPROPIATE PHASE FOR GRIND/OVERLAY, RE-STRIPING, AND RE-INSTALLATION OF BASKETBALL HOOPS.
31. GRIND AND OVERLAY EXISTING PAVEMENT. 2" MINIMUM GRIND WITH ASPHALT PAVEMENT TO THE FINISHED SURFACE. MATCH ELEVATIONS AT EDGE ABUTTING EXISTING ASPHALT.
32. SAWCUT EXISTING PAVEMENT.
33. FIRE LANE PCC PAVEMENT PER DETAIL 13 ON DETAILS SHEET C5.4.
38. PROPOSED PLANTING AREA PER LANDSCAPE PLANS.
42. TYPE D CURB RAMP PER SDG-137. REFER TO DETAIL 18 ON DETAILS SHEET C5.4.
43. GRIND AND OVERLAY EXISTING BASKETBALL COURTS TO PROVIDE A SMOOTH FINISH. REFER TO ARCHITECTURAL PLANS FOR RE-STRIPING AND RE-INSTALLATION OF BASKETBALL HOOP. CONTRACTOR TO COORDINATE WITH THE DISTRICT FOR THE APPROPRIATE PHASE FOR GRIND/OVERLAY, RE-STRIPING, AND RE-INSTALLATION OF BASKETBALL HOOPS.
52. DOWEL TO EXISTING CONCRETE PER DETAIL 22 ON DETAILS SHEET C5.5.
59. AC PAVEMENT TRENCH RESURFACING PER DETAIL 29 ON SHEET C5.6.



SCALE: 1"=10'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
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ARCHITECT / CONSULTANT STAMP
REGISTERED PROFESSIONAL ENGINEER DANIEL QUINONES NO. 92319 EXP. 6-30-27 CIVIL STATE OF CALIFORNIA
2/9/2026

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RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEET WATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
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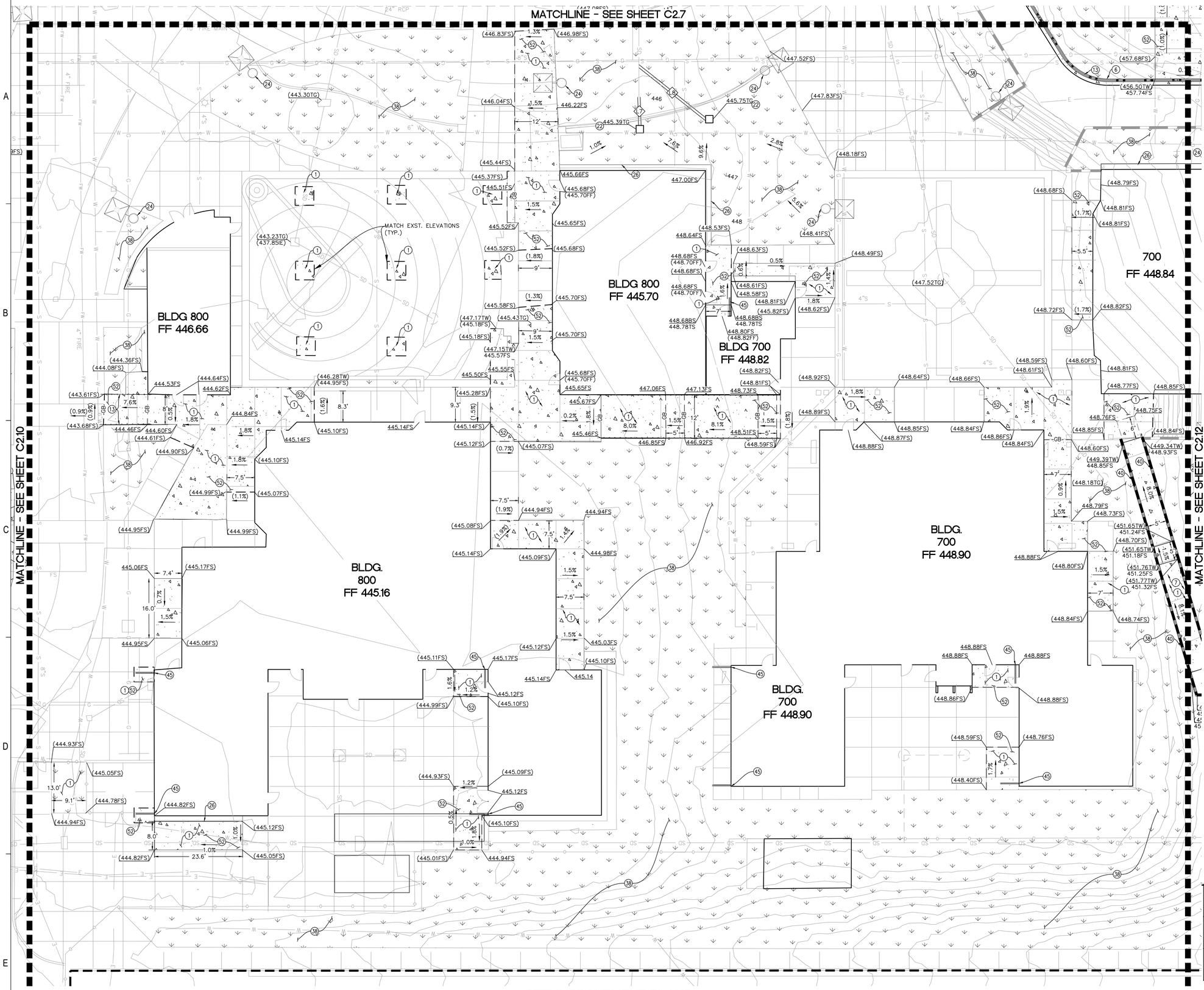
SITE IMPROVEMENT PLANS

C2.10



CONSTRUCTION NOTES

1. WALKWAY PAVEMENT PER DETAIL 13 ON DETAILS SHEET C5.4.
6. RETAINING WALL AND FOOTING PER STRUCTURAL PLANS AND DETAILS.
7. PEDESTRIAN RAMP AND PROTECTIVE RAILING PER SDM-115. REFER TO DETAIL 9 ON DETAILS SHEET C5.3.
13. PEDESTRIAN PROTECTIVE RAILING PER SDM-118. REFER TO DETAIL 2 ON DETAILS SHEET C5.0.
22. INSTALL 12" X 12" CATCH BASIN PER DETAIL 14 ON DETAILS SHEET C5.4.
24. PROPOSED LIGHTING FIXTURE AND POLE PER ELECTRICAL PLANS, CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW POLE.
26. 18" MOW CURB PER LANDSCAPE DETAIL 6 ON SHEET L110.
38. PROPOSED PLANTING AREA PER LANDSCAPE PLANS.
40. INSTALL NEW GALVANIZED FLOATING HANDRAIL AT EXISTING HANDRAIL PER AS501.
45. INSTALL NEW 3" DOWNSPOUT PER ARCHITECTURAL AND PLUMBING PLANS. CONNECT DOWNSPOUT TO EXISTING EXTERIOR STORM DRAIN. CONTRACTOR TO VERIFY LOCATION OF EXISTING STORM DRAIN.
52. DOWEL TO EXISTING CONCRETE PER DETAIL 22 ON DETAILS SHEET C5.5.

SITE IMPROVEMENT PLANS

SCALE: 1" = 10'

NOTES TO CONTRACTOR:
1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.

STORM DRAIN DATA

NO.	BEARING/DELTA	RADIUS	LENGTH	SLOPE	NOTE
L7	N70°17'38"E	–	7.57'	1% MIN	8" PVC
L8	S20°33'50"W	–	22.79'	1% MIN	8" PVC

SCALE: 1"=10'

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DANIEL QUINN
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EXP. 6-30-27
STATE OF CALIFORNIA
2/9/2026
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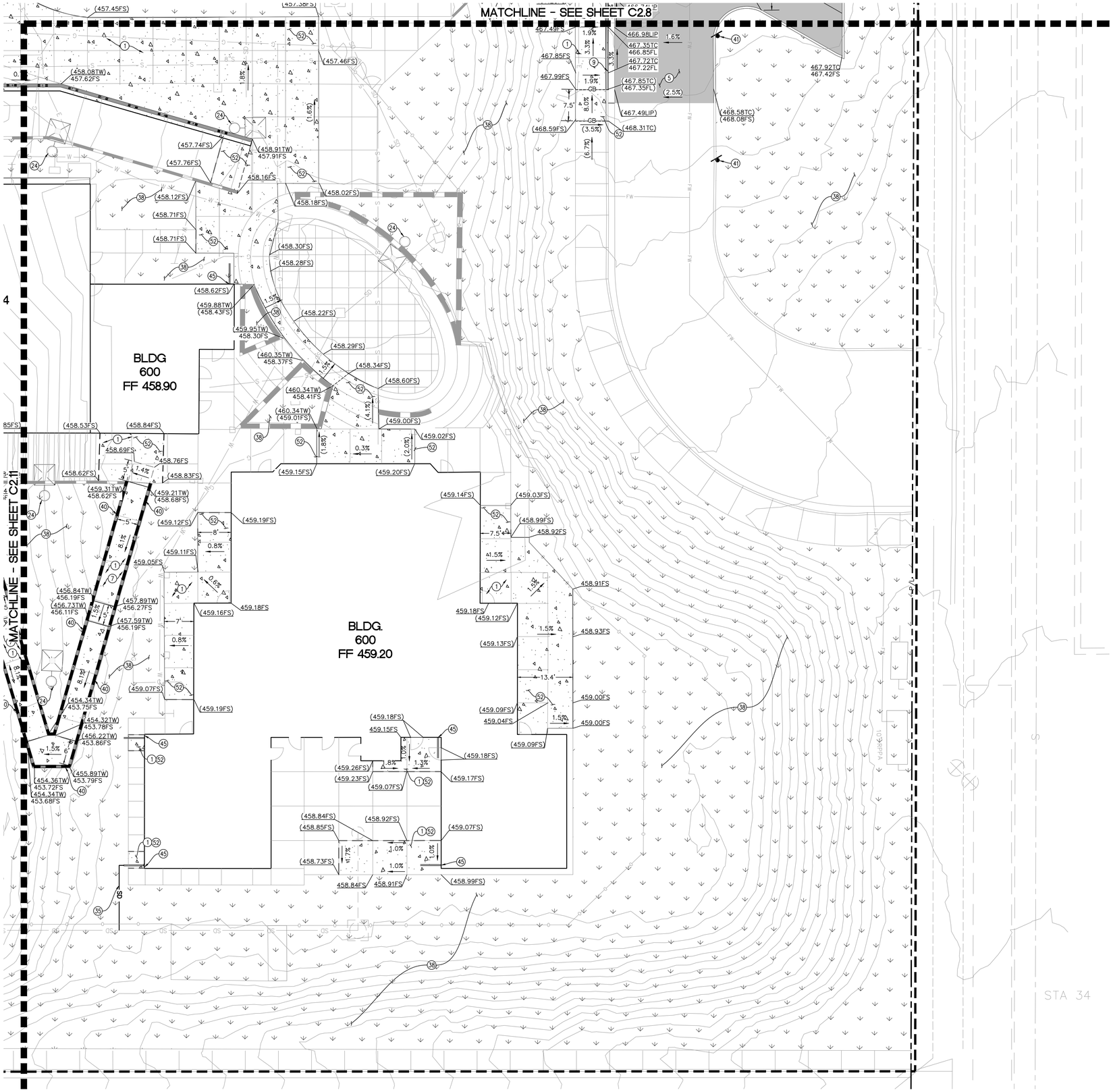
SITE IMPROVEMENT PLANS

C2.11



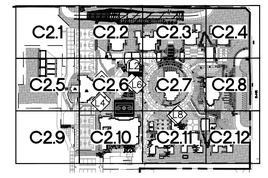
SITE IMPROVEMENT PLANS

SCALE: 1" = 10'

CONSTRUCTION NOTES

1. WALKWAY PAVEMENT PER DETAIL 13 ON DETAILS SHEET C5.4.
5. ASPHALT PAVEMENT AND BASE PER DETAIL 1 ON DETAILS SHEET C5.0.
7. PEDESTRIAN RAMP AND PROTECTIVE RAILING PER SDM-115. REFER TO DETAIL 9 ON DETAILS SHEET C5.3.
9. 6" CURB AND GUTTER (TYPE G) PER SDG-151. REFER TO DETAIL 11 ON DETAILS SHEET C5.4.
24. PROPOSED LIGHTING FIXTURE AND POLE PER ELECTRICAL PLANS, CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW POLE.
35. INSTALL NEW 3" PVC STORM DRAIN PIPE. INSTALL STORM DRAIN CLEANOUT AT POINT OF CONNECTION PER DETAIL 21 ON DETAILS SHEET C5.5.
38. PROPOSED PLANTING AREA PER LANDSCAPE PLANS.
40. INSTALL NEW GALVANIZED FLOATING HANDRAIL AT EXISTING HANDRAIL PER ASSOI.
41. INSTALL PROPOSED FIRE LANE SIGN AND POST. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
45. INSTALL NEW 3" DOWNSPOUT PER ARCHITECTURAL AND PLUMBING PLANS. CONNECT DOWNSPOUT TO EXISTING EXTERIOR STORM DRAIN. CONTRACTOR TO VERIFY LOCATION OF EXISTING STORM DRAIN.
52. DOWEL TO EXISTING CONCRETE PER DETAIL 22 ON DETAILS SHEET C5.5.

NOTES TO CONTRACTOR:
1. ANY CURBS, PAVEMENT, STRIPING, LANDSCAPING, IRRIGATION, UTILITIES, OR OTHER EXISTING SITE ELEMENTS THAT ARE DISTURBED/DAMAGED AS A PART OF THESE IMPROVEMENTS SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
2. ALL SIGNAGE, LIGHTING, AND SITE UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.



10 5 0 10 20 30
SCALE: 1"=10'

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REGISTERED PROFESSIONAL ENGINEER
DANIEL QUINONES
No. 92310
Exp. 6-30-27
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RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEET WATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

DSA BACKCHECK

Project Number	:	24203.10
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Drawn By	:	BR,VO
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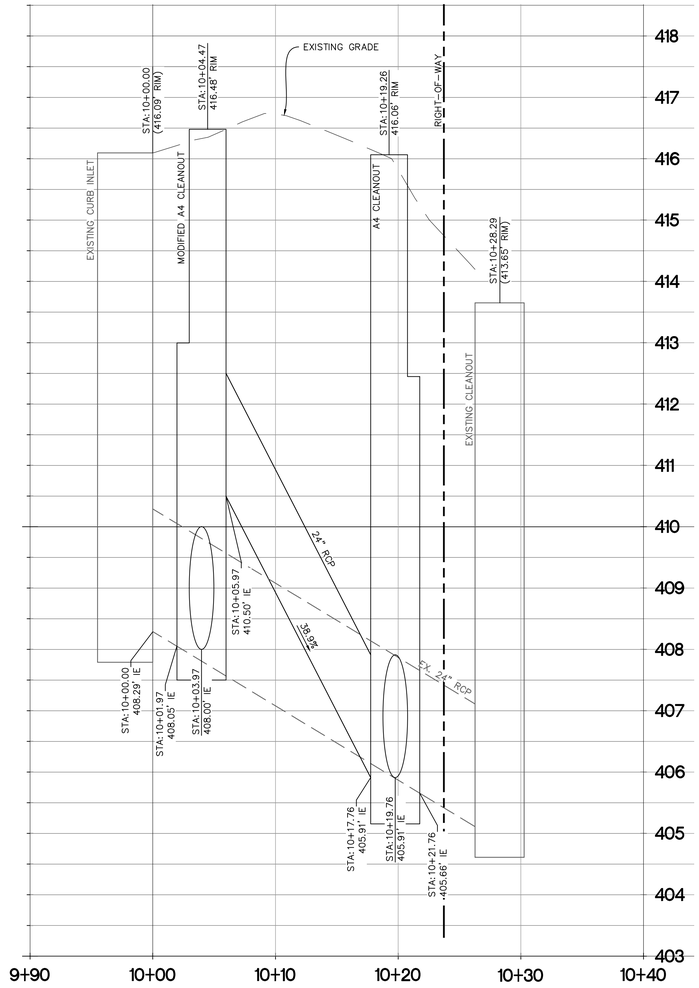
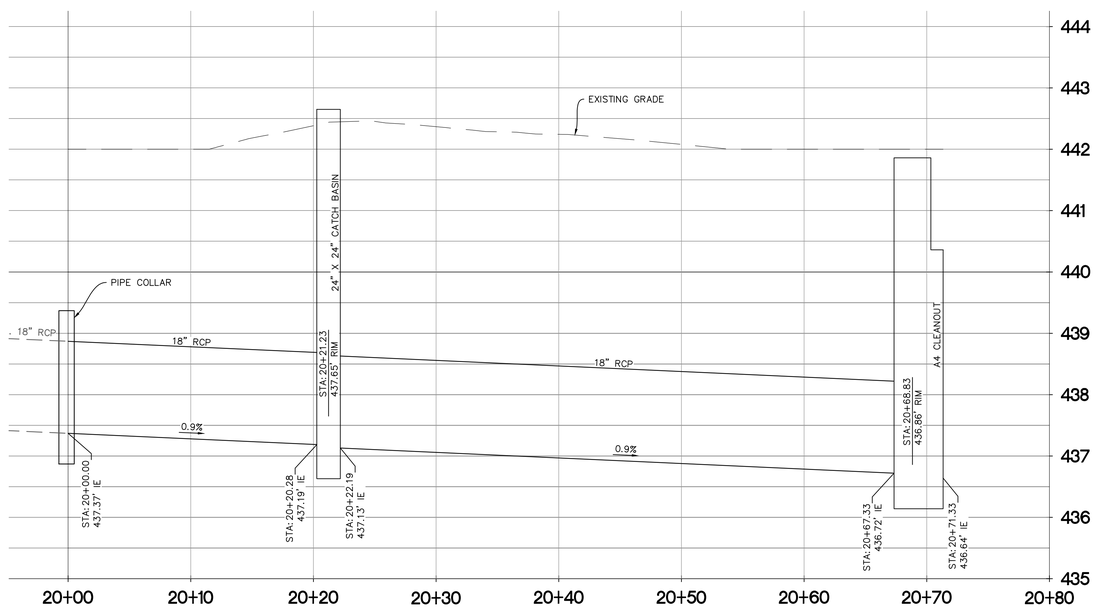
Revisions	:	

SITE IMPROVEMENT PLANS

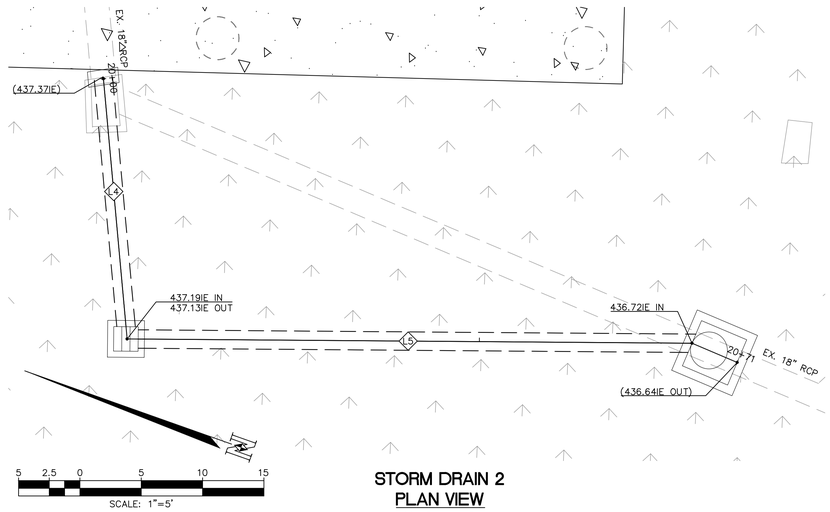
C2.12



STORM DRAIN 1
PROFILE VIEW
HORIZ: 1" = 5'
VERT: 1" = 1'

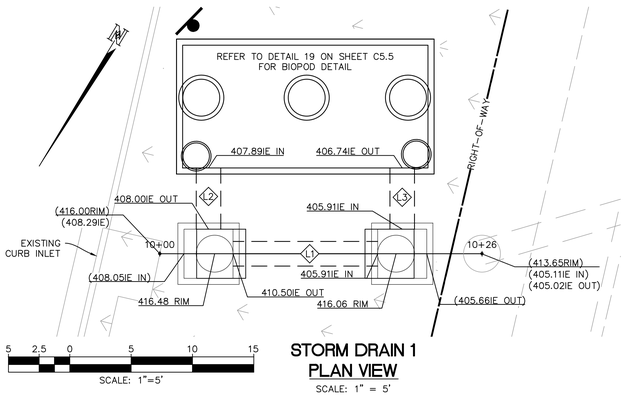


STORM DRAIN 2
PROFILE VIEW
HORIZ: 1" = 5'
VERT: 1" = 1'



SCALE: 1"=5'

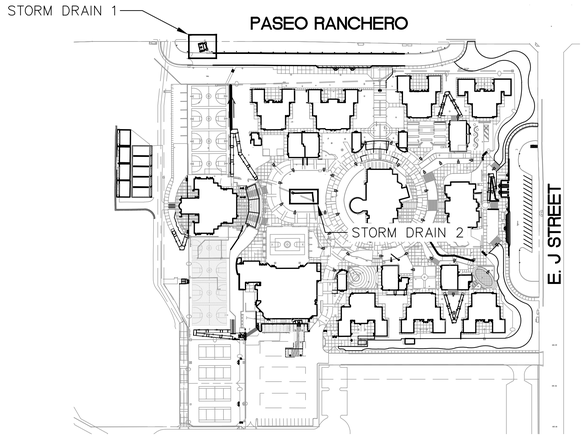
STORM DRAIN 2
PLAN VIEW
SCALE: 1" = 5'



SCALE: 1"=5'

STORM DRAIN 1
PLAN VIEW
SCALE: 1" = 5'

STORM DRAIN DATA TABLE				
	LENGTH	BEARING	SLOPE	NOTE
L1	11.79'	S59° 03' 03.60"W	21.2%	24" RCP
L2	5.00'	S30° 56' 56.40"E	2.2%	24" PVC
L3	5.00'	S30° 56' 56.40"E	16.6%	24" PVC
L4	20.28'	S65° 15' 33.48"W	0.9%	18" RCP
L5	45.14'	S19° 05' 10.43"E	0.9%	18" RCP



KEY MAP
N.T.S.

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REGISTERED PROFESSIONAL ENGINEER
DANIEL QUINONES
No. 92319
Civil
STATE OF CALIFORNIA
2/9/2026

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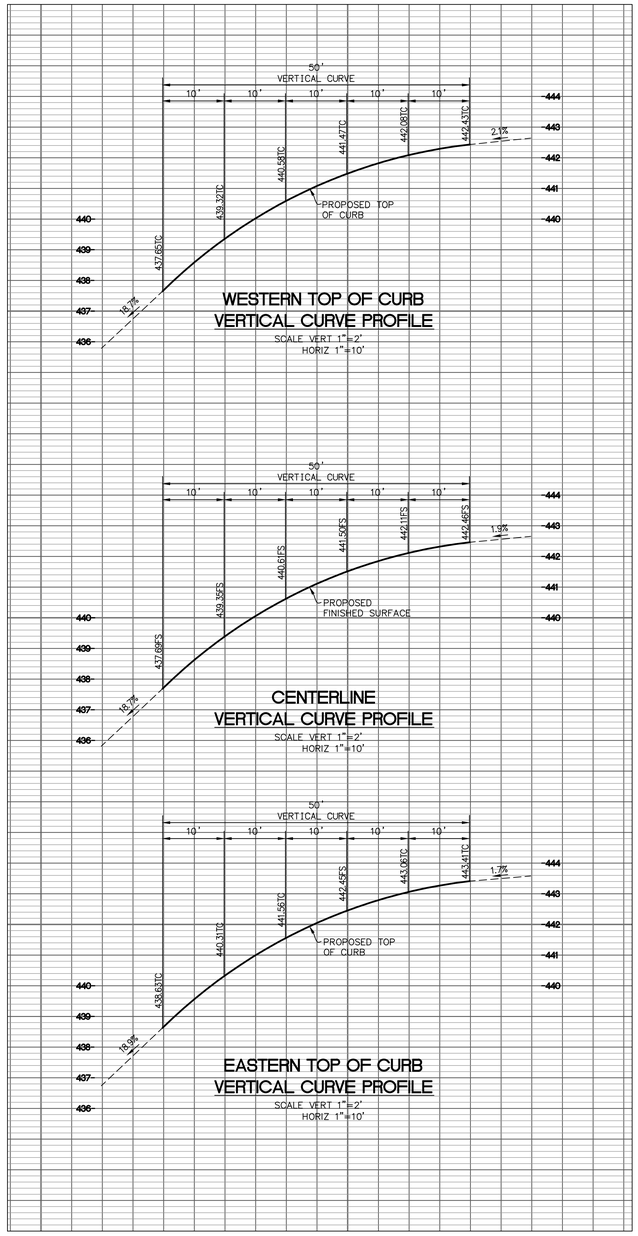
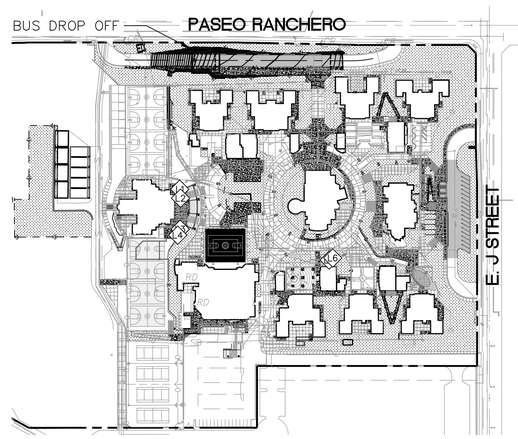
Revisions	:	

STORM DRAIN PROFILE

C3.0





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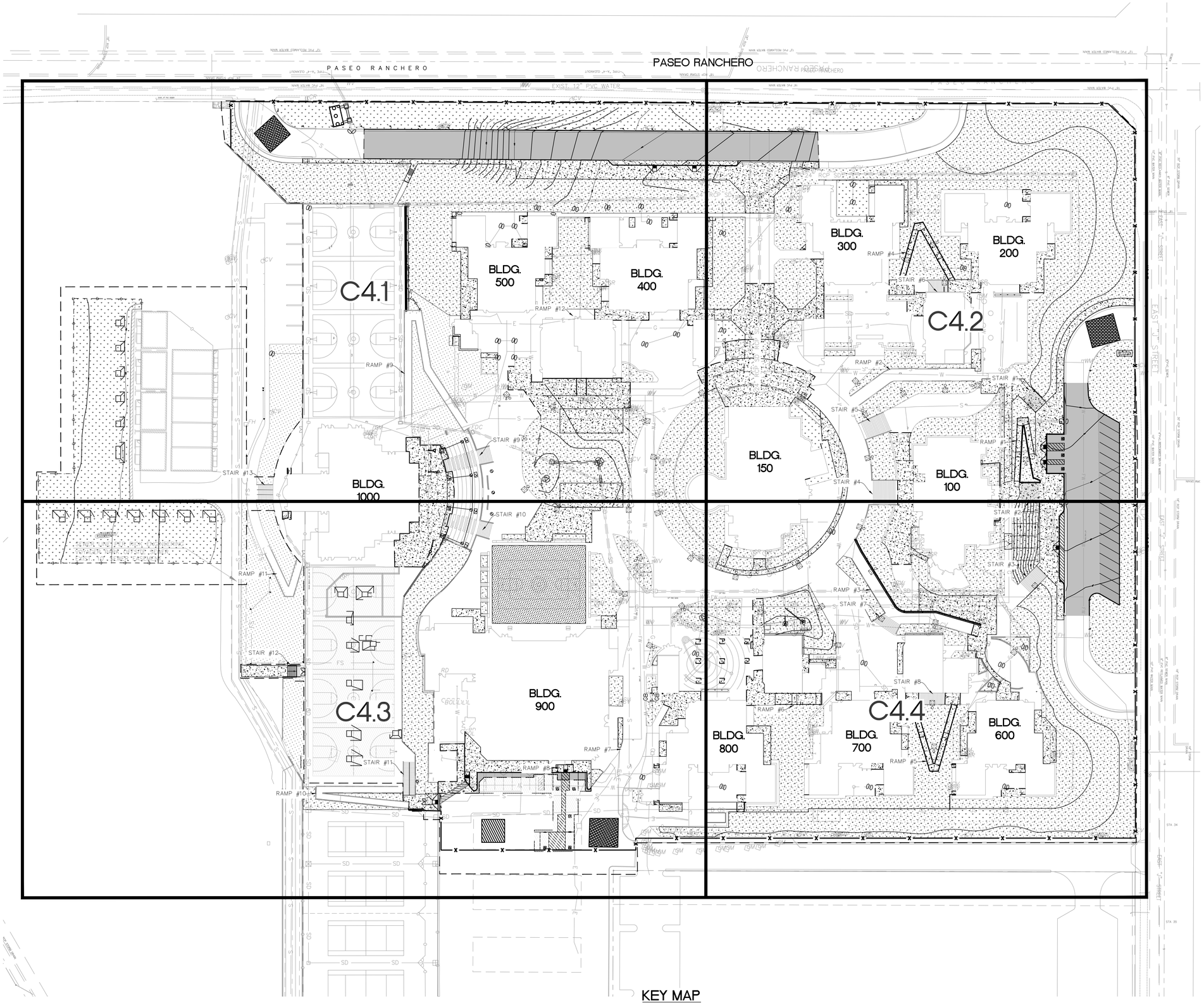
DRIVE AISLE
PROFILE

C3.1



KEY MAP
SCALE: 1" = 40'

SCALE: 1"=40'

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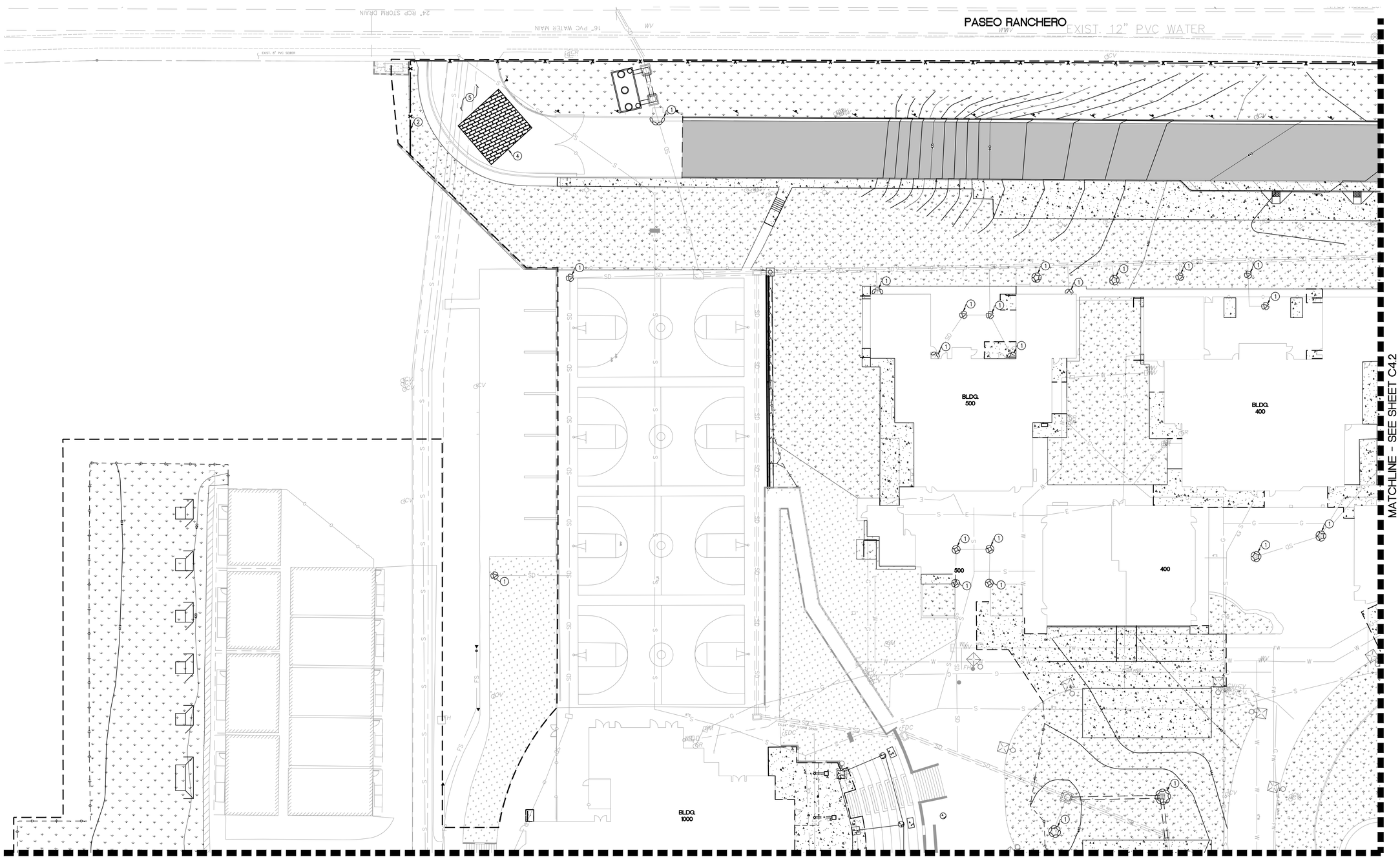
EROSION CONTROL PLAN MAP

C4.0



LIST OF BMPS USED

EC-1	SCHEDULING
EC-2	PRESERVATION OF EXISTING VEGETATION
EC-7	GEOTEXTILES, PLASTIC COVERS, & EROSION CONTROL BLANKETS/MATS
EC-10	VELOCITY DISSIPATION DEVICES
SE-5	FIBER ROLLS
SE-7	STREET SWEEPING AND VACUUMING
SE-10	STORM DRAIN INLET PROTECTION
NS-1	WATER CONSERVATION PRACTICES
NS-3	PAVING AND GRINDING OPERATIONS
NS-6	ILLICIT DISCHARGE/ILLEGAL DUMPING REPORTING
NS-12	CONCRETE CURING
NS-13	CONCRETE FINISHING
WM-1	MATERIAL DELIVERY AND STORAGE
WM-2	MATERIAL USE
WM-3	STOCKPILE MANAGEMENT
WM-4	SPILL PREVENTION AND CONTROL
WM-5	SOLID WASTE MANAGEMENT
WM-8	CONCRETE WASTE MANAGEMENT

LEGEND:

DESCRIPTION	SYMBOL
FIBER ROLLS INLET PROTECTION	
TEMPORARY CONSTRUCTION FENCE WITH FIBER ROLLS	x x
STABILIZED CONSTRUCTION ENTRANCE	

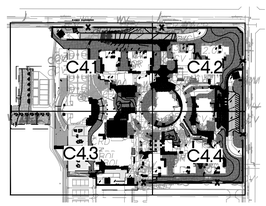
NOTE:
CONTRACTOR SHALL REMOVE CONSTRUCTION FENCING AND BMP'S AFTER COMPLETION OF CONSTRUCTION.

EROSION CONTROL PLANS

SCALE: 1" = 20'

CONSTRUCTION NOTES

1. INSTALL FIBER ROLLS PER DETAIL 1, SHEET 3.10.
2. INSTALL TEMPORARY CONSTRUCTION FENCE PER DETAIL 2 ON SHEET 3.10.
4. INSTALL STABILIZED CONSTRUCTION ENTRANCE PER DETAIL 3 ON SHEET 3.10.
5. STREET SWEEPING AND VACUUMING.



20 10 0 20 40 60
SCALE: 1"=20'

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APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

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F: (619) 223-3017

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REGISTERED PROFESSIONAL ENGINEER
DANIEL QUINDOS
No. 92319
Exp. 6-30-27
CIVIL
STATE OF CALIFORNIA
2/9/2026
ARCHITECT / CONSULTANT STAMP

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NE JOB NO. 124-029.1

SWEETWATER
UNION HIGH SCHOOL DISTRICT
CLIENT LOGO

DSA BACKCHECK

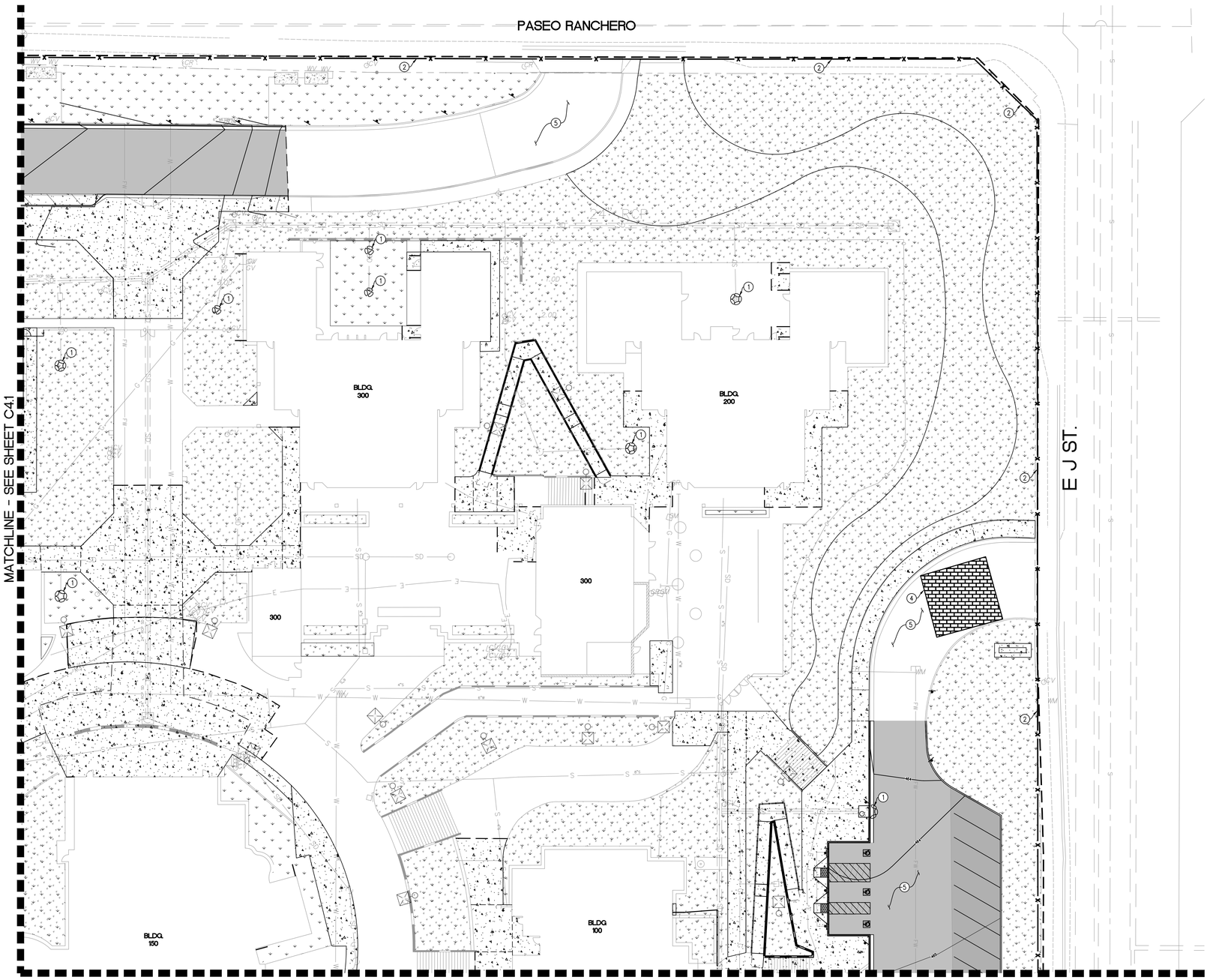
RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEET WATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	BR,VO
Checked By	:	DQ
Revisions	:	

EROSION CONTROL PLANS

C4.1



CONSTRUCTION NOTES

1. INSTALL FIBER ROLLS PER DETAIL 1, SHEET 3.10.
2. INSTALL TEMPORARY CONSTRUCTION FENCE PER DETAIL 2 ON SHEET 3.10.
4. INSTALL STABILIZED CONSTRUCTION ENTRANCE PER DETAIL 3 ON SHEET 3.10.
5. STREET SWEEPING AND VACUUMING.

LIST OF BMPS USED

EC-1	SCHEDULING
EC-2	PRESERVATION OF EXISTING VEGETATION
EC-7	GEOTEXTILES, PLASTIC COVERS, & EROSION CONTROL BLANKETS/MATS
EC-10	VELOCITY DISSIPATION DEVICES
SE-5	FIBER ROLLS
SE-7	STREET SWEEPING AND VACUUMING
SE-10	STORM DRAIN INLET PROTECTION
NS-1	WATER CONSERVATION PRACTICES
NS-3	PAVING AND GRINDING OPERATIONS
NS-6	ILLICIT DISCHARGE/ILLEGAL DUMPING REPORTING
NS-12	CONCRETE CURING
NS-13	CONCRETE FINISHING
WM-1	MATERIAL DELIVERY AND STORAGE
WM-2	MATERIAL USE
WM-3	STOCKPILE MANAGEMENT
WM-4	SPILL PREVENTION AND CONTROL
WM-5	SOLID WASTE MANAGEMENT
WM-8	CONCRETE WASTE MANAGEMENT

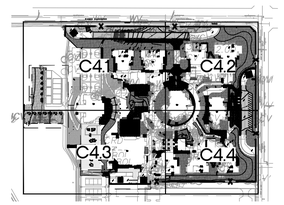
LEGEND:

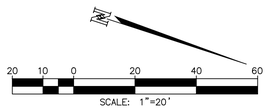
DESCRIPTION	SYMBOL
FIBER ROLLS INLET PROTECTION	
TEMPORARY CONSTRUCTION FENCE WITH FIBER ROLLS	
STABILIZED CONSTRUCTION ENTRANCE	

NOTE:
CONTRACTOR SHALL REMOVE CONSTRUCTION FENCING AND BMP'S AFTER COMPLETION OF CONSTRUCTION.

EROSION CONTROL PLANS

SCALE: 1" = 20'





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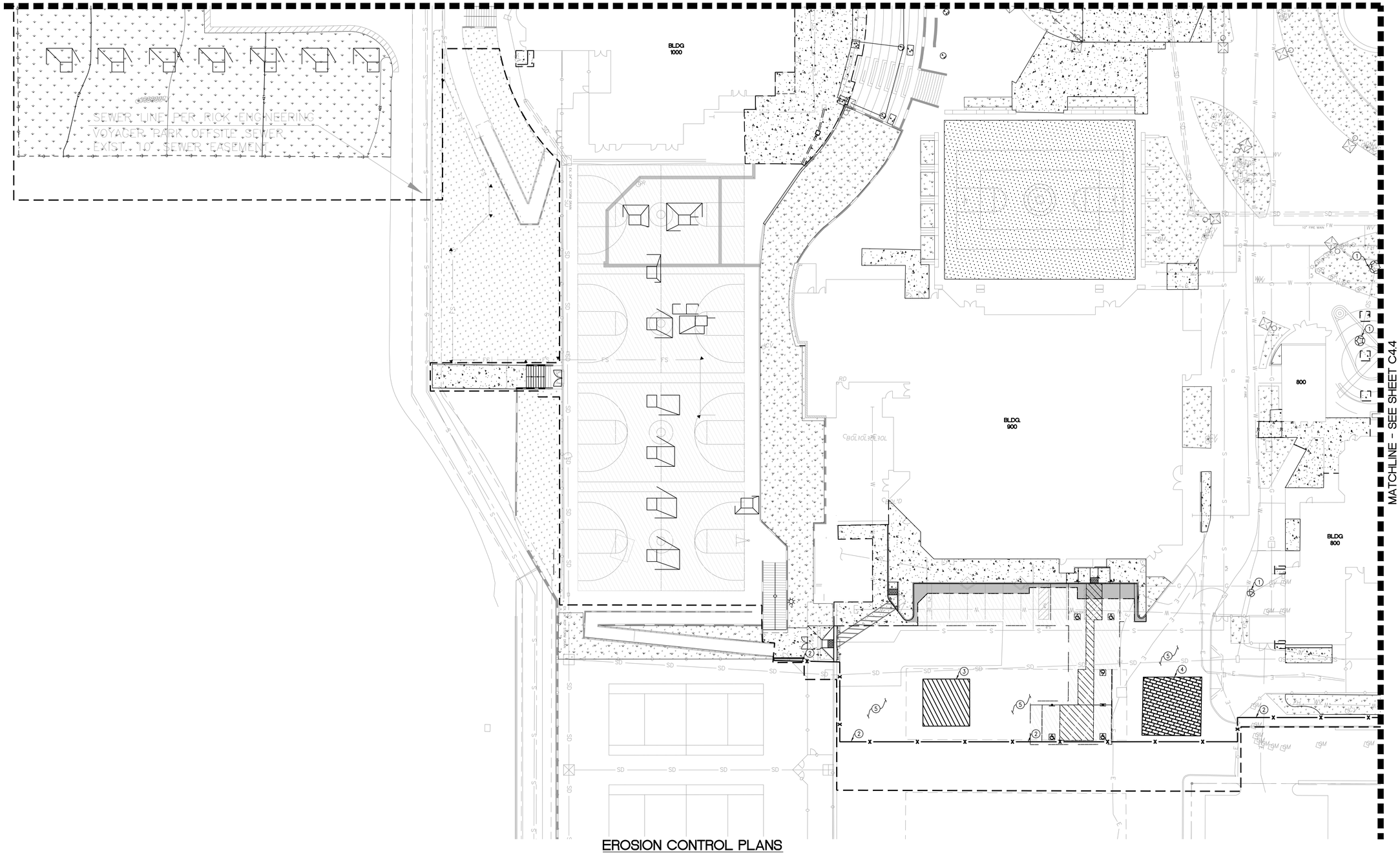
EROSION CONTROL PLANS

C4.2

MATCHLINE - SEE SHEET C4.1



EROSION CONTROL PLANS

SCALE: 1" = 20'

LIST OF BMPS USED

EC-1	SCHEDULING
EC-2	PRESERVATION OF EXISTING VEGETATION
EC-7	GEOTEXTILES, PLASTIC COVERS, & EROSION CONTROL BLANKETS/MATS
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LEGEND:

DESCRIPTION	SYMBOL
FIBER ROLLS INLET PROTECTION	
TEMPORARY CONSTRUCTION FENCE WITH FIBER ROLLS	
STABILIZED CONSTRUCTION ENTRANCE	
VEHICLE WASH AREA	

NOTE:
CONTRACTOR SHALL REMOVE CONSTRUCTION FENCING AND BMP'S AFTER COMPLETION OF CONSTRUCTION.

CONSTRUCTION NOTES

1. INSTALL FIBER ROLLS PER DETAIL 1, SHEET 3.10.
2. INSTALL TEMPORARY CONSTRUCTION FENCE PER DETAIL 2 ON SHEET 3.10.
3. INSTALL VEHICLE WASH AREA.
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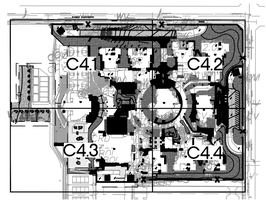

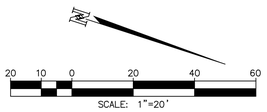

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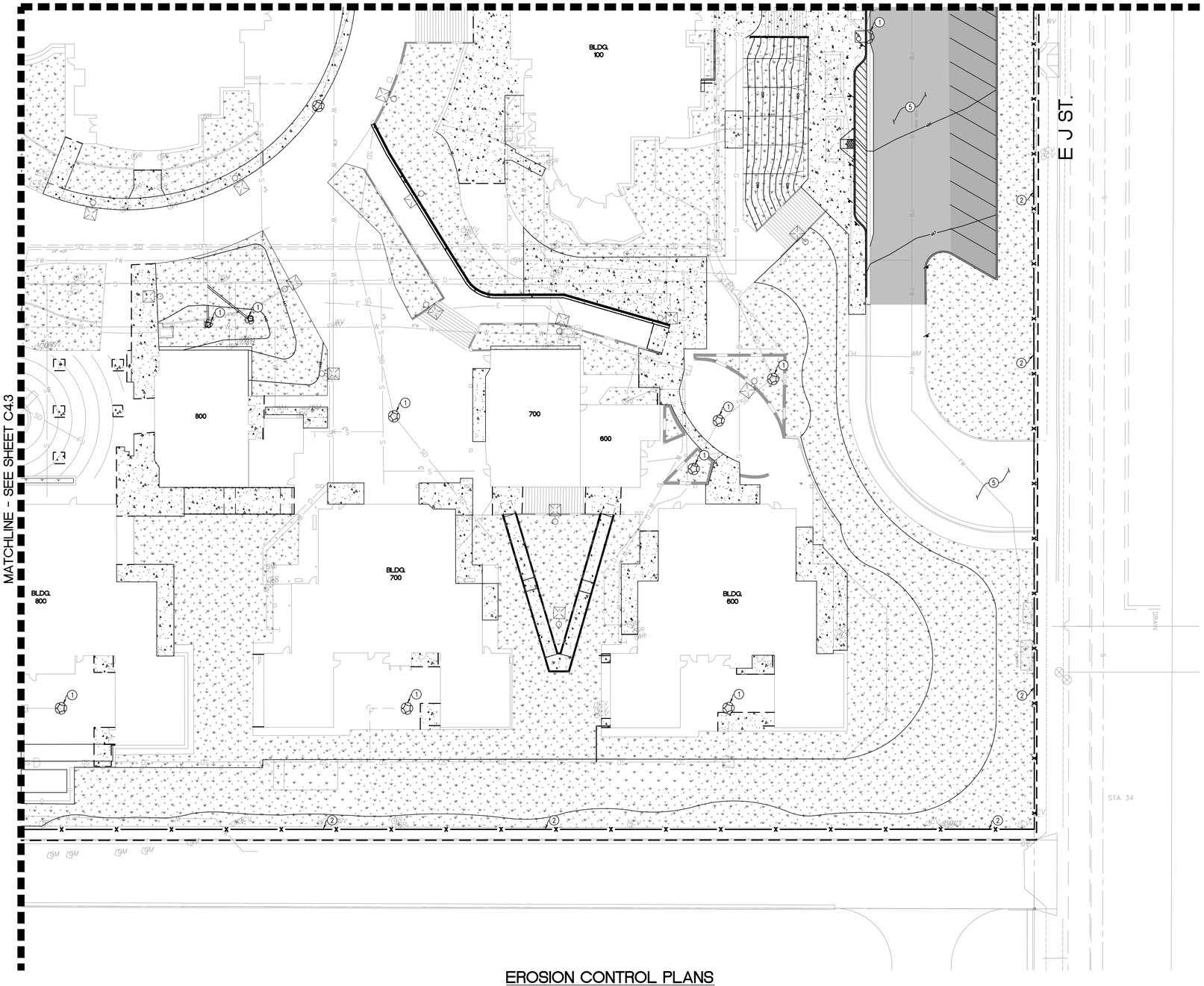
EROSION CONTROL PLANS

C4.3

PLOT DATE: 2/9/2026 2:37 PM



EROSION CONTROL PLANS

SCALE: 1" = 20'

CONSTRUCTION NOTES

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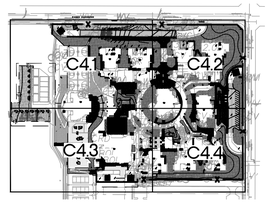
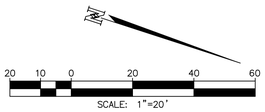
LEGEND:

DESCRIPTION	SYMBOL
FIBER ROLLS INLET PROTECTION	
TEMPORARY CONSTRUCTION FENCE WITH FIBER ROLLS	
STABILIZED CONSTRUCTION ENTRANCE	

NOTE:
CONTRACTOR SHALL REMOVE CONSTRUCTION FENCING AND BMP'S AFTER COMPLETION OF CONSTRUCTION.





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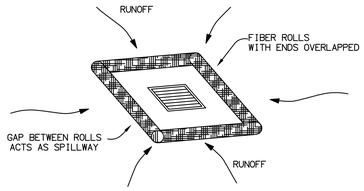
Revisions	:	

EROSION CONTROL PLANS

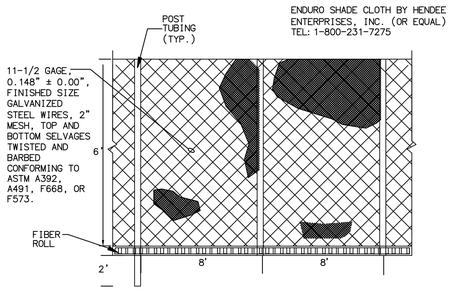
C4.4

DETAILS AND EROSION CONTROL NOTES



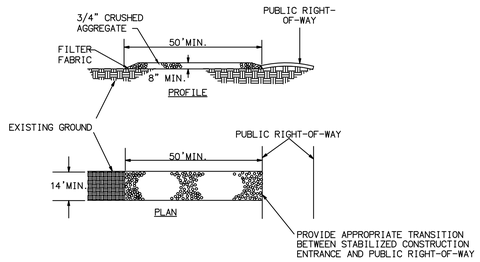
1 FIBER ROLLS FOR CATCH BASIN SE-10

NO SCALE



2 TEMPORARY CONSTRUCTION FENCE

NOT SCALE



3 STABILIZED CONSTRUCTION ENTRANCE TC-1

NO SCALE

EROSION CONTROL NOTES

1. IN CASE EMERGENCY WORK IS REQUIRED, CONTACT THE SCHOOL DISTRICT REPRESENTATIVE.
2. EROSION CONTROL MEASURES SHOWN ON PLANS SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE SCHOOL DISTRICT.
3. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES IN WORKING ORDER TO THE SATISFACTION OF THE SCHOOL DISTRICT THROUGHOUT THE CONSTRUCTION PHASE OF THE PROJECT AND UNTIL PERMANENT GROUND COVER AND LANDSCAPING IS ESTABLISHED.
4. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE SCHOOL DISTRICT DUE TO COMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES WHICH MAY ARISE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
6. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
7. ALL GRAVEL BAGS SHALL HAVE ¼ INCH MINIMUM AGGREGATE (NO SANDBAGS AND NO BURLAP TYPE BAGS ALLOWED).
8. EXISTING STREETS SHALL BE KEPT FREE OF DIRT AND DEBRIS, AND SHALL BE MAINTAINED IN GOOD CONDITION. DUST SHALL BE CONTROLLED SO THAT IT IS NOT A NUISANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY STREET OR PROPERTY DAMAGED, PUBLIC OR PRIVATE, AS A RESULT OF THE WORK.
9. THE PLAN SHALL PROVIDE THAT NO SAND, SILT, OR DEBRIS SHALL BE ALLOWED TO ENTER THE STORM DRAIN SYSTEM INCLUDING PUBLIC STREETS.
10. THE OWNER AND/OR THE OWNER'S CONTRACTOR SHALL IMPLEMENT THE PLAN AND TAKE REMEDIAL AND PREVENTIVE ACTION IMMEDIATELY WHEN POLLUTANT DISCHARGE OCCURS AND/OR THE SCHOOL DISTRICT DIRECTS.
11. THE ABOVE SHALL APPLY STARTING THE 1ST DAY OF GRADING AND/OR CONSTRUCTION AND SHALL REMAIN IN EFFECT UNTIL ALL GRADING AND/OR CONSTRUCTION WORK HAS BEEN COMPLETED AND 70% OF THE DISTURBED LAND HAS BEEN STABILIZED BY APPROVED VEGETATION, MULCH, GRAVEL, ETC.

DRY SEASON (MAY 1 THROUGH SEPTEMBER 30)

1. ALL EXPOSED DISTURBED AREAS MUST HAVE EROSION PREVENTION CONTROLS PROPERLY INSTALLED INCLUDING BUILDING PADS, UNFINISHED ROADS AND SLOPES. SLOPES LESS THAN 33.3% OR 1:3 (VERTICAL VS. HORIZONTAL) MAY USE PROPERLY DESIGNED AND INSTALLED DE-SILTING BASINS AT ALL DISCHARGE POINTS IN LIEU OF THIS REQUIREMENT.
2. ADEQUATE PERIMETER PROTECTION BMPS MUST BE INSTALLED AND MAINTAINED.
3. ADEQUATE SEDIMENT CONTROL BMPS MUST BE INSTALLED AND MAINTAINED.
4. ADEQUATE BMPS DESIGNED TO CONTROL OFF-SITE SEDIMENT TRACKING MUST BE INSTALLED AND MAINTAINED.
5. AT A MINIMUM, 125% OF THE MATERIALS NEEDED TO INSTALL STANDBY BMPS NECESSARY TO COMPLETELY PROTECT EXPOSED PORTIONS OF THE SITE FROM EROSION AND PREVENT SEDIMENT DISCHARGES MUST BE STORED ON THE SITE.
6. AN APPROVED "WEATHER TRIGGERED" RESPONSE PLAN IS MANDATED FOR IMPLEMENTATION IN THE EVENT THAT A PREDICTED STORM EVENT HAS AT LEAST A 50% CHANCE OF RAIN. THE PROPONENT MUST HAVE THE CAPACITY TO DEPLOY THE STANDBY BMPS WITHIN 48 HOURS OF THE PREDICTED STORM EVENT.
7. ALL SLOPES MUST BE EQUIPPED WITH EROSION PREVENTION BMPS AS SOON AS SLOPES ARE COMPLETED FOR ANY PORTION OF THE SITE.
8. CLEARED OR GRADED AREAS LEFT EXPOSED AT ANY GIVEN TIME ARE LIMITED TO THE AMOUNT OF ACREAGE THAT THE PROJECT PROPONENT CAN ADEQUATELY PROTECT PRIOR TO A PREDICTED STORM EVENT.

WET SEASON (OCTOBER 1 THROUGH APRIL 30)
IN ADDITION TO THE DRY SEASON REQUIREMENTS:

1. PERIMETER PROTECTION AND SEDIMENT CONTROL BMPS MUST BE UPGRADED IF NECESSARY TO PROVIDE SUFFICIENT PROTECTION FOR STORMS.
2. ADEQUATE EROSION PREVENTION BMPS MUST BE INSTALLED AND ESTABLISHED FOR ALL COMPLETED SLOPES PRIOR TO OCTOBER 1 AND MAINTAINED THROUGHOUT THE WET SEASON. IF A BMP FAILS, IT MUST BE REPAIRED, IMPROVED OR REPLACED WITH AN ACCEPTABLE ALTERNATE AS SOON AS IT IS SAFE TO DO SO.
3. THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED STANDBY EROSION AND SEDIMENT CONTROL BMP CAPACITY.
4. AN INCOMPLETE DISTURBED AREA THAT IS NOT BEING ACTIVELY GRADED MUST BE FULLY PROTECTED FROM EROSION IF LEFT FOR 10 DAYS OR MORE.

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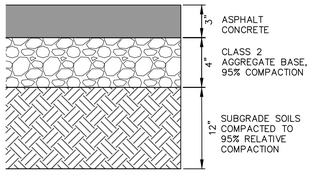
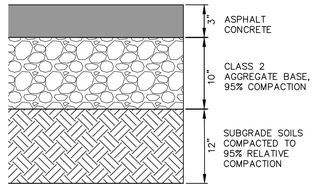
EROSION CONTROL NOTES

C4.5

PLOT DATE: 2/9/2026 2:37 PM



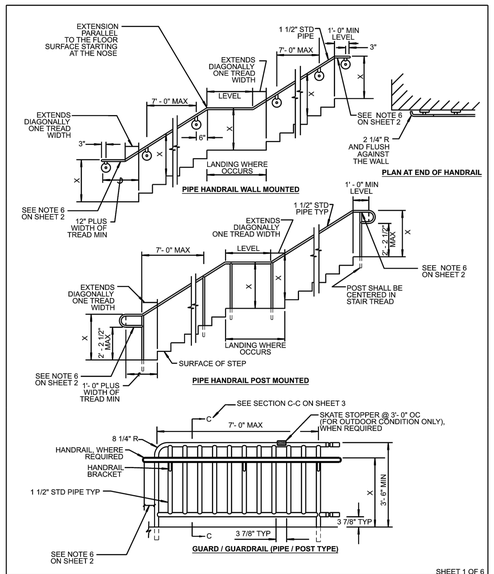
PARKING AREA



DROP OFF AREAS

NOTE: THE GEOTECHNICAL ENGINEER OF RECORD SHALL BE PRESENT DURING THE SCARIFICATION PROCESS TO VERIFY THAT THE SUBGRADE MATERIALS BELOW 12 INCHES ARE FIRM AND NON–YIELDING.

1 TYPICAL AC PAVEMENT SECTIONS
NO SCALE



SHEET 1 OF 6

REVISION	BY	APPROVED	DATE
ORIGINAL*	BB	J. NAGELVOORT	03/12
UPDATED	FC	J. NAGELVOORT	03/16
REDRAFTED	CD	J. NAGELVOORT	09/18
REDRAFTED	CD	J. NAGELVOORT	09/19
UPDATED	FM	RANA AMEN	03/24

CITY OF SAN DIEGO – STANDARD DRAWING

PEDESTRIAN PROTECTIVE RAILING & STAIR HANDRAIL

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
Alaine James 3/28/2024
COORDINATOR R.C.E. 85047 DATE
DRAWING NUMBER **SDM-118**

NOTE: DETAIL FOR CODE COMPLIANCE ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR BASIS OF DESIGN.

NOTES:

1. ALL STAIRS SHALL HAVE HANDRAILS ON BOTH SIDES INCLUDING STAIRS WITH ONE RISER.
2. "X", THE TOP OF GRIPPING SURFACE SHALL BE AT A CONSISTENT HEIGHT VERTICALLY ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES. X SHALL BE BETWEEN 2' - 10" MINIMUM TO 3' - 2" MAXIMUM. FOR CONSTRUCTION TOLERANCE, SPECIFY AN ABSOLUTE DIMENSION BETWEEN 2'-10 1/2" AND 3'-1 1/2".
3. STAIRWAYS SHALL HAVE A MINIMUM WIDTH OF 4'- 0".
4. STAIRS SERVING ACCESSIBLE MEANS OF EGRESS SHALL HAVE A MINIMUM WIDTH OF 4'- 0" AS MEASURED BETWEEN HANDRAILS EXCEPT FOR STAIRS SERVING BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH CBC SECTION 903.3.1.1 or 903.3.1.2 AND FOR STAIRS ACCESSED FROM A REFUGE AREA IN CONJUCTION WITH A HORIZONTAL EXIT.
5. BOTTOM AND TOP LANDINGS SHALL BE AS WIDE AS THE WIDTH OF THE STAIR, 4'-0" MIN MEASURED PARALLEL TO THE DIRECTION OF TRAVEL.
6. HANDRAIL GRIPPING SURFACES SHALL EXTEND BEYOND AND IN THE SAME DIRECTION OF STAIR FLIGHTS AND RAMP RUNS. IN ALTERATION PROJECTS, WHERE THE EXTENSION OF THE HANDRAIL IN THE DIRECTION STAIR FLIGHT OR RAMP RUN WOULD CREATE A HAZARD, THE EXTENSION OF THE HANDRAIL MAY BE TURNED 90 DEGREES FROM THE DIRECTION OF STAIR FLIGHT OR RAMP RUN.

SHEET 2 OF 6

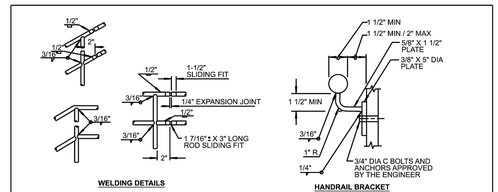
REVISION	BY	APPROVED	DATE
ORIGINAL*	BB	J. NAGELVOORT	03/12
UPDATED	FC	J. NAGELVOORT	03/16
REDRAFTED	CD	J. NAGELVOORT	09/18
REDRAFTED	CD	J. NAGELVOORT	09/19
UPDATED	FM	RANA AMEN	03/24

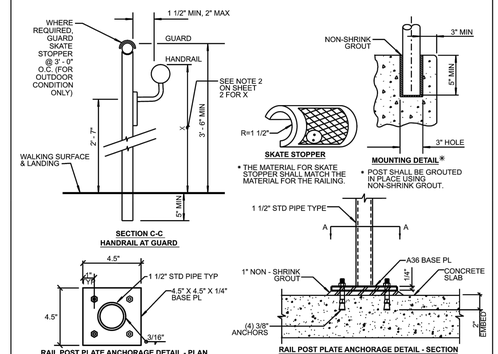
CITY OF SAN DIEGO – STANDARD DRAWING

PEDESTRIAN PROTECTIVE RAILING & STAIR HANDRAIL

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
Alaine James 3/28/2024
COORDINATOR R.C.E. 85047 DATE
DRAWING NUMBER **SDM-118**

2 PEDESTRIAN PROTECTIVE RAILING
NO SCALE





SHEET 3 OF 6

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CITY OF SAN DIEGO – STANDARD DRAWING

PEDESTRIAN PROTECTIVE RAILING & STAIR HANDRAIL

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RAILING NOTES

1. PROVIDE 1/4" EXPANSION JOINTS AT RAILINGS AT 1'- 4" ON CENTER.
2. WELD AND GRIND SMOOTH ALL CONNECTIONS.
3. ALL RAILING TO BE HOT DIP GALVANIZED AFTER FABICATION.
4. PIPE SHALL BE SEAMLESS STEEL ASTM A53 GRADE B.
5. A GUARD SHALL BE PROVIDED AT STAIRS AND LANDINGS THAT ARE OPEN ON ONE OR BOTH SIDES AND THAT THE WALKING SURFACE IS 2' - 6" MEASURED VERTICALLY TO THE FLOOR OR GRADE BELOW AT ANY POINT WITHIN 3'- 0" HORIZONTALLY TO THE EDGE OF THE OPEN SIDE. THE GUARD SHALL BE 3'- 6" MIN FROM THE LINE CONNECTING THE LEADING EDGES OF THE TREAD NOSING. GUARDS SHALL BE ADEQUATE IN STRENGTH AND ATTACHMENT DESIGNED TO RESIST A SINGLE CONCENTRATED LOAD OF 250 POUNDS APPLIED IN ANY DIRECTION AT ANY POINT ON THE RAIL.
6. HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES. THE BOTTOMS OF HANDRAIL GRIPPING SURFACES SHALL NOT BE OBSTRUCTED FOR MORE THAN 20% OF THEIR LENGTH.
7. HANDRAIL GRIPPING SURFACES WITH NON CIRCULAR CROSS SECTIONS SHALL BE SUBMITTED FOR APPROVAL BY THE CITY ENGINEER.

SHEET 4 OF 6

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CITY OF SAN DIEGO – STANDARD DRAWING

PEDESTRIAN PROTECTIVE RAILING & STAIR HANDRAIL

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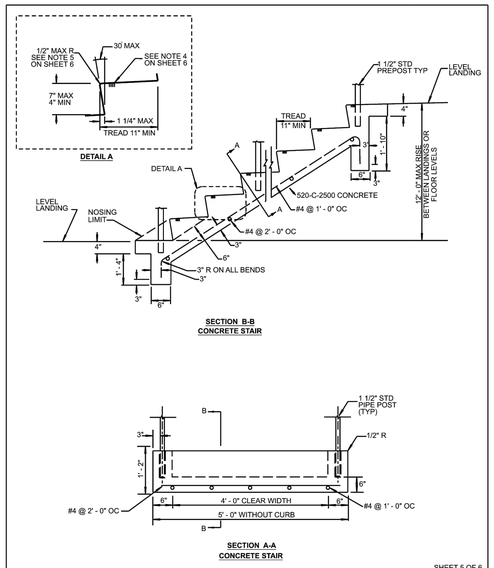

SHEET 5 OF 6

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CITY OF SAN DIEGO – STANDARD DRAWING

PEDESTRIAN PROTECTIVE RAILING & STAIR HANDRAIL

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Alaine James 3/28/2024
COORDINATOR R.C.E. 85047 DATE
DRAWING NUMBER **SDM-118**

2 PEDESTRIAN PROTECTIVE RAILING CONT.
NO SCALE

NOTES

1. STAIR TREADS AND LANDINGS SHALL HAVE BROOM FINISH. ALL OTHER EXPOSED AREAS SHALL HAVE TROWEL FINISH.
2. STAIR TREADS SHALL HAVE A SLOPE OF 1/4" PER 1' SLOPE FOR DRAINAGE. STAIR TREADS AND LANDING SURFACES SHALL NOT HAVE A SLOPE THAT EXCEEDS 1.5% IN ANY DIRECTION. CHANGES IN LEVELS ARE NOT PERMITTED.
3. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. SPECIFY AN ABSOLUTE DIMENSION BETWEEN THESE RANGES: RISERS SHALL BE 4" HIGH MINIMUM AND 7" HIGH MAXIMUM. TREADS SHALL BE 11" DEEP MINIMUM. CURVED STAIRWAYS WITH WINDER TREADS ARE PERMITTED AT STAIRS WHICH ARE NOT PART OF A REQUIRED MEANS OF EGRESS.
4. INTERIOR STAIRS SHALL HAVE THE UPPER APPROACH AND LOWER TREAD MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST. EXTERIOR STAIRS SHALL HAVE THE UPPER APPROACH AND ALL TREADS MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST. THE STRIPE SHALL BE A MINIMUM OF 2" WIDE TO A MAXIMUM OF 4" WIDE PLACED PARALLEL TO, AND NOT MORE THAN 1" FROM THE NOSE OF THE STEP OR UPPER APPROACH. THE STRIPE SHALL EXTEND THE FULL WIDTH OF THE STEP OR UPPER APPROACH AND SHALL BE OF MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR. A PAINTED STRIPE SHALL BE ACCEPTABLE. GROOVES SHALL NOT BE USED TO SATISFY THIS REQUIREMENT.
5. THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE 1/2 INCH MAXIMUM. NOSINGS THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELED. RISERS SHALL BE PERMITTED TO SLOPE UNDER THE TREAD AT AN ANGLE OF 30 DEGREES MAXIMUM FROM VERTICAL. THE PERMITTED PROJECTION OF THE NOSING SHALL EXTEND 1-1/4 INCHES MAXIMUM OVER THE TREAD BELOW. IN EXISTING BUILDINGS, THERE IS NO REQUIREMENT TO RETROACTIVELY ALTER EXISTING NOSING PROJECTS OF 1-1/2 INCHES WHICH WERE CONSTRUCTED IN COMPLIANCE WITH THE BUILDING CODE IN EFFECT AT THE TIME OF ORIGINAL CONSTRUCTION.

SHEET 6 OF 6

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CITY OF SAN DIEGO – STANDARD DRAWING

PEDESTRIAN PROTECTIVE RAILING & STAIR HANDRAIL

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
Alaine James 3/28/2024
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DRAWING NUMBER **SDM-118**

NOTES:

1. A CURB RAMP IS REQUIRED FOR EACH SIDEWALK CROSSING. IF A PEDESTRIAN CAN CROSS IN TWO DIRECTIONS FROM AN INTERSECTION CORNER, TWO CURB RAMPS SHALL BE PROVIDED. IF A PEDESTRIAN CAN ONLY CROSS IN ONE DIRECTION FROM AN INTERSECTION CORNER, ONLY A SINGLE CURB RAMP SHALL BE PROVIDED.
2. IN AN IDEAL CONDITION WHERE THE CURB RETURN AND INTERSECTION ARE LEVEL AND THE CURB HEIGHT IS 6":
   A. IF THE RIGHT-OF-WAY (ROW) LIMITS ARE 10'-0" OR MORE (MEASURED FACE OF CURB TO PROPERTY LINE), A TYPE A OR TYPE B CURB RAMP SHALL BE USED.
   B. IF THE ROW LIMITS ARE LESS THAN 10'-0" BUT NOT LESS THAN 8'-0", A TYPE C2 CURB RAMP SHALL BE USED.
   C. IF THE ROW LIMITS ARE LESS THAN 8'-0", A TYPE C1 CURB RAMP SHALL BE USED.
   D. A TYPE D CURB RAMP SHALL BE USED AT ALLEY CORNERS.
   E. A TYPE E CURB RAMP (BLENDED TRANSITION) SHALL BE USED FOR MULTI-DIRECTIONAL ACCESS AS AN ALTERNATIVE IF DUAL RAMPS CANNOT BE INSTALLED.
3. OPPOSING CURB RAMPS AT A SINGLE CROSSING SHALL LINE UP, ALIGN THE CURB RAMP WITH THE CROSSWALK SO THERE IS A STRAIGHT PATH OF TRAVEL FROM THE TOP OF THE RAMP TO THE CURB RAMP ON THE OTHER SIDE, TO THE MAXIMUM EXTENT FEASIBLE.
4. PULL BOXES, MANHOLES, VAULTS, AND OTHER UTILITIES SHALL BE RELOCATED OR INCORPORATED ONTO THE CURB RAMP AREA PROVIDED THAT THE ACCESS COVER IS STABLE, FIRM, SLIP RESISTANT, AND FLUSH OR ADJUSTED TO GRADE. COORDINATE THE WORK WITH THE ENGINEER
5. UTILITY POLES MAY BE INCORPORATED INTO THE FLARES OF THE CURB RAMP PROVIDED THAT THE REQUIRED ACCESSIBLE ROUTE WIDTH IS COMPLIANT.
6. RETAINING CURBS OR WALLS:
   A. INSTALL A RETAINING CURB/WALL AT THE BACK OF THE CURB RAMP IF NOT ABLE TO GRADE EXISTING SLOPE AT A 3:1 RATIO OR FLATTER WITHIN THE ROW.
   B. THE FRONT OF THE RETAINING CURB/WALL SHALL BE IN LINE WITH THE BACK OF THE SIDEWALK. TAPER THE BACK OF THE SIDEWALK WITHIN THE 4'-0" TRANSITION AREA OR TO THE NEXT JOINT, WHICHEVER IS GREATER.
   C. IN LIEU OF A FLARE, A RETAINING CURB WILL BE ALLOWED IF IT IS IMPRACTICAL TO REMOVE THE EXISTING OBSTRUCTION, SUCH AS A CURB INLET, UTILITY INFRASTRUCTURE, A SIGNIFICANT OR REGISTERED TREE, OR THE TREE CANNOT BE TRANSPLANTED.
   D. IF PEDESTRIANS ARE ABLE TO ACCESS THE PAVED AREA DIRECTLY BEHIND THE RETAINING CURB, INSTALL A PROTECTIVE RAILING PER **SDG-140**.
7. GRADE BREAKS AT THE TOP AND BOTTOM OF THE RAMPS AND CURB RAMPS SHALL BE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN. GRADE BREAKS SHALL NOT BE PERMITTED ON THE SURFACE OF RAMP RUNS AND TURNING SPACES. SURFACE SLOPES THAT MEET AT GRADE BREAKS SHALL BE FLUSH TO DELINEATE THE CURB RAMP.
8. PROVIDE A 1/2" DEEP TOOLED JOINT WITH 1/8" RADIUS EDGES AS SHOWN ON DRAWINGS.
9. INSTALL A 1/4" EXPANSION JOINT FILLER BETWEEN THE NEW CURB RAMP GUTTER AND THE EXISTING SIDEWALK.
10. PONDING IS NOT ALLOWED WITHIN THE CURB RAMP LIMITS, AND THE DRAINAGE PATTERN SHALL NOT BE ALTERED.
11. THE ADJUSTMENT OF THE CROSS SLOPE AT THE RAMP OPENING SHALL NOT CAUSE GUTTER TRICKLE FLOW TO SPILL ONTO TRAVELLED LANES OR PONDING ANYWHERE.
12. TRANSITIONS FROM RAMPS TO WALKS AND SIDEWALK GUTTER OR STREET SURFACE SHALL BE FLUSH AND AT THE SAME LEVEL. PAVEMENT AT THE STREET SURFACE SHALL BE MILLED TO ACHIEVE FLUSH CONDITION.

SHEET 1 OF 3

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UPDATED	FC	J.NAGELVOORT	09/20

CITY OF SAN DIEGO – STANDARD DRAWING

GENERAL CURB RAMP NOTES

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
9/22/20
COORDINATOR R.C.E. 56523 DATE
DRAWING NUMBER **SDG-131**

3 CURB RAMP NOTES
NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

REGISTERED PROFESSIONAL ENGINEER DANIEL QUINDOS NO. 92310 EXP. 6-30-27 STATE OF CALIFORNIA
2/9/2026
ARCHITECT / CONSULTANT STAMP

Nasland
Civil Engineering • Surveying • Land Planning
4740 Ruffner Street, San Diego, CA 92111
(858) 292-7770 • nasland.com
CONSULTANT LOGO

NE JOB NO. 124–029.1

SWEETWATER UNION HIGH SCHOOL DISTRICT
CLIENT LOGO

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEET WATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

DSA BACKCHECK

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	BR,VO
Checked By	:	DQ
Revisions	:	

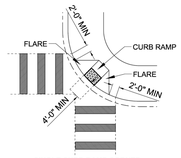
DETAILS

C5.0

PLOT DATE: 2/9/2026 3:37 PM

NOTES:

13. THE REMOVAL OF EXISTING PAVEMENT, CONCRETE CURB, GUTTER, SIDEWALK, AND EXISTING CURB RAMP FOR THE INSTALLATION OF A NEW CURB RAMP SHALL COMPLY WITH **SDG-156**.
14. DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 2'-0" LONG MINIMUM LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING. SEE SINGLE CURB RAMP CORNER DETAIL BELOW.



SINGLE CURB RAMP CORNER

15. PERPENDICULAR CURB RAMPS (TYPE A, TYPE B, AND TYPE C2) SHALL HAVE A 4'-0" MINIMUM CLEAR SPACE BEYOND THE BOTTOM OF THE GRADE BREAK WITHIN THE PEDESTRIAN STREET CROSSING AND WHOLLY OUTSIDE THE TRAFFIC LANES OF THE ROADWAY (VEHICULAR AND BIKE LANES). SEE SINGLE CURB RAMP CORNER DETAIL IN NOTE 14.
16. CURB RAMP AND FORM WORK SLOPES SHALL BE CHECKED WITH A DIGITAL LEVEL OF AN APPROPRIATE LENGTH. NO PORTION OF A RAMP RUN SHALL EXCEED THE MAXIMUM SLOPE REQUIREMENT.
17. CONTRACTOR SHALL PROVIDE AN EMBEDDED STAMP ON TOP OF THE CURB AT THE OPENING OF THE CURB RAMP. THE STAMP SHALL BE 1/4" DEEP AND 3/4" TO 1" HIGH, AND SHALL ONLY INCLUDE THE NAME OF THE CONTRACTOR AND THE YEAR OF INSTALLATION. THE STAMP SHALL BE COMPLETELY FLUSH WITH THE CURB SURFACE.
18. THE SLOPE OF THE RAMP SHALL BE UNIFORM ALONG EACH RAMP RUN.
19. THE CROSS SLOPE OF THE RAMP SHALL BE MEASURED PERPENDICULARLY TO THE PATH OR DIRECTION OF TRAVEL.
20. ANY DEVIATION FROM THESE PROVISIONS REQUIRES PRIOR APPROVAL FROM THE ENGINEER.
21. CONCRETE SHALL BE 520-C-2500.
22. THE EXISTING CONCRETE SPANDREL OF A CROSS GUTTER SHALL BE REMOVED AND REPLACED IN ITS ENTIRETY AS PART OF THE CURB RAMP INSTALLATION.
23. THE EXISTING CONCRETE ALLEY APRON SHALL BE REMOVED AND REPLACED IN ITS ENTIRETY AS PART OF THE CURB RAMP INSTALLATION.
24. A TRANSITION AREA IS REQUIRED IF THE CURB RAMP IMPROVEMENTS TIE INTO AN EXISTING SIDEWALK CROSS SLOPE EXCEEDING 2%. FOR CURB RAMPS TYPE C AND D, EXTEND THE TRANSITION AREA 4'-0" LONG MINIMUM WITH A 1.5% MAXIMUM CROSS SLOPE.

SHEET 2 OF 3

REVISION	BY	APPROVED	DATE
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CITY OF SAN DIEGO – STANDARD DRAWING

GENERAL CURB RAMP NOTES

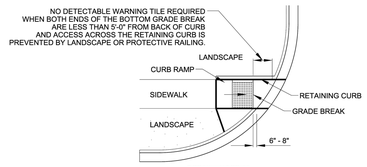
RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
COORDINATOR R.C.E. 58623 9/22/20 DATE

DRAWING NUMBER **SDG-131**

NOTES:

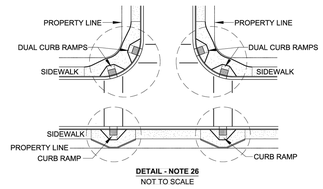
25. DETECTABLE WARNING TILE SHALL BE LOCATED SO THE EDGE NEAREST THE CURB IS 6" MINIMUM AND 8" MAXIMUM FROM THE LINE AT THE FACE OF THE CURB.

    SEE DETAIL BELOW FOR EXCEPTION.



DETAIL - NOTE 25
NOT TO SCALE

26. CURB RAMPS SHALL BE INSTALLED AT ALL PEDESTRIAN CROSSINGS AT INTERSECTIONS, INCLUDING AT T-INTERSECTIONS. SEE DETAIL BELOW.



DETAIL - NOTE 26
NOT TO SCALE

SHEET 3 OF 3

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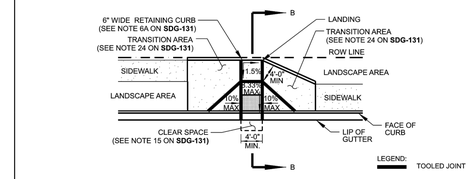
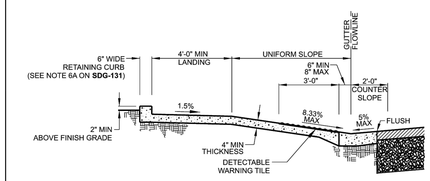
3 **CURB RAMP NOTES CONT.**
NO SCALE



PLAN - TYPE B



SECTION B-B

SHEET 1 OF 2

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CITY OF SAN DIEGO – STANDARD DRAWING

CURB RAMP - TYPE B

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Alaine James 3/25/2024
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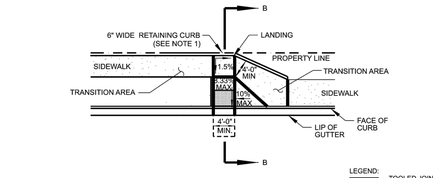
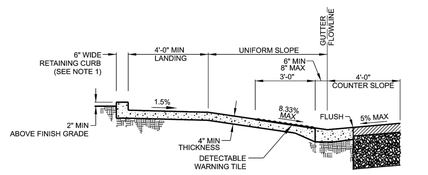
DRAWING NUMBER **SDG-133**

4 **CURB RAMP - TYPE B**
NO SCALE



PLAN - TYPE B



SECTION B-B

NOTE:

1. 6" WIDE RETAINING CURB MAY BE OMITTED IF THE GROUND SURFACE WILL BE AT THE SAME ELEVATION AS THE CURB RAMP SURFACE.
2. IF THE EXISTING SIDEWALK IS LOCATED OUTSIDE OF THE INSIDE FACE OF THE RETAINING CURB, PROVIDE A TRANSITION AREA TO TAPER SIDEWALK TO THE INSIDE FACE OF CURB.

SHEET 2 OF 2

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CITY OF SAN DIEGO – STANDARD DRAWING

CURB RAMP - TYPE B

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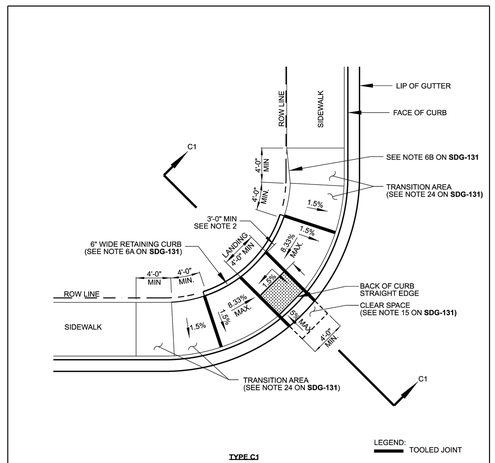


TYPE C1

NOTE:

1. SEE SHEETS 2 TO 4 FOR: TYPE C1, SECTION C1, TYPE C2, SECTION C2, TYPE C3, SECTION C3, AND NOTES.
2. WHERE IT IS TECHNICALLY INFEASIBLE TO PROVIDE A MINIMUM 6'-0" WIDE TURNING SPACE, AS MEASURED PERPENDICULAR TO THE CURB, THE DEPTH OF DETECTABLE WARNINGS MAY BE REDUCED TO 2'-0" MINIMUM.

   EXISTING PARALLEL CURB RAMPS WITH DETECTABLE WARNINGS IN COMPLIANCE WITH THE CODE REQUIREMENTS IN EFFECT AT THE TIME OF INSTALLATION SHALL NOT BE REQUIRED TO PROVIDE A MINIMUM 3'-0" WIDE PORTION OF THE TURNING SPACE WITHOUT DETECTABLE WARNINGS.

SHEET 1 OF 4

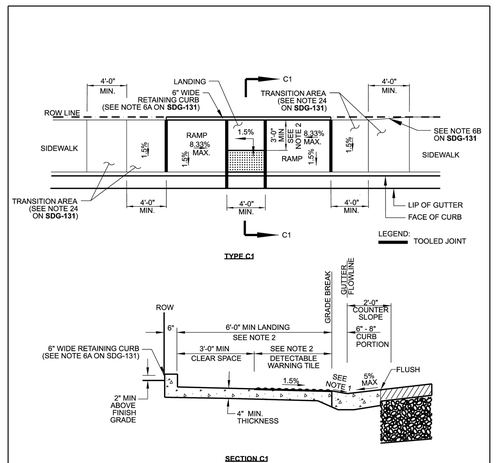
REVISION	BY	APPROVED	DATE
ORIGINAL	FC	J. NAGELVOORT	02/16
REDRAFTED	CD	J. NAGELVOORT	09/16
UPDATED	HN	J. NAGELVOORT	04/19
UPDATED	FC	J. NAGELVOORT	09/20
UPDATED	RC	R. AMEN	03/24

CITY OF SAN DIEGO – STANDARD DRAWING

CURB RAMPS - TYPE C1, C2, AND C3

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
Alaine James 3/28/2024
COORDINATOR R.C.E. 91047 DATE

DRAWING NUMBER **SDG-135**



TYPE C1

SECTION C1

NOTE:

1. THE CURB PORTION AT THE OPENING OF THE CURB RAMP SHALL SLOPE TOWARDS THE GUTTER FLOWLINE BETWEEN 5% TO 8% TO PREVENT DEBRIS COLLECTED AT THE LANDING OF ALL TYPE C1 CURB RAMPS.
2. WHERE IT IS TECHNICALLY INFEASIBLE TO PROVIDE A TURNING SPACE OF 6'-0" MINIMUM LENGTH, AS MEASURED PERPENDICULAR TO THE CURB, THE DEPTH OF DETECTABLE WARNINGS MAY BE REDUCED TO 2'-0" MINIMUM.

   EXISTING PARALLEL CURB RAMPS WITH DETECTABLE WARNINGS IN COMPLIANCE WITH THE CODE REQUIREMENTS IN EFFECT AT THE TIME OF INSTALLATION SHALL NOT BE REQUIRED TO PROVIDE A MINIMUM 3'-0" WIDE PORTION OF THE TURNING SPACE WITHOUT DETECTABLE WARNINGS.

SHEET 2 OF 4

REVISION	BY	APPROVED	DATE
ORIGINAL	FC	J. NAGELVOORT	02/16
REDRAFTED	CD	J. NAGELVOORT	09/16
UPDATED	HN	J. NAGELVOORT	04/19
UPDATED	FC	J. NAGELVOORT	09/20
UPDATED	RC	R. AMEN	03/24

CITY OF SAN DIEGO – STANDARD DRAWING

CURB RAMPS - TYPE C1, C2, AND C3

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
Alaine James 3/28/2024
COORDINATOR R.C.E. 91047 DATE

DRAWING NUMBER **SDG-135**

5 **CURB RAMP TYPE C1**
NO SCALE

ON-STREET PARKING REQUIREMENTS:

1. WHERE ON-STREET PARKING IS PROVIDED AND IS EITHER METERED OR DESIGNATED BY SIGNS OR PAVEMENT MARKINGS, ACCESSIBLE ON-STREET PARKING SPACES COMPLYING WITH THE CITY STANDARDS SHALL BE PROVIDED.

   EXCEPTIONS:
   A. ON-STREET PARKING SPACES DESIGNATED BY SIGNS, MARKING OR ORDINANCE EXCLUSIVELY AS RESIDENTIAL PARKING OR COMMERCIAL OR LAW ENFORCEMENT VEHICLES SHALL NOT BE REQUIRED TO COMPLY WITH THE ACCESSIBILITY PARKING STANDARDS OR COUNTED TOWARDS THE PARKING RATIO FOR ACCESSIBLE PARKING SPACES TABLE.

   B. WHERE ON-STREET PARKING SPACES ARE ALTERED, THESE REQUIREMENTS SHALL APPLY ONLY TO THE AFFECTED PARKING SPACES UNTIL THE MINIMUM NUMBER OF ACCESSIBLE ON-STREET PARKING SPACES PROVIDED, AS IDENTIFIED IN THE PARKING RATIO FOR ACCESSIBLE PARKING SPACES TABLE ARE MET.
2. WHERE PARKING PAY STATIONS ARE PROVIDED AND THE PARKING IS NOT MARKED, EACH 20'-0" OF PARALLEL PARKING AND EACH 10'-0" OF PERPENDICULAR PARKING FOR THE BLOCK PERIMETER WHERE PARKING IS PERMITTED SHALL BE COUNTED AS ONE PARKING SPACE.
3. ACCESSIBLE ON-STREET PARKING SPACES TABLE

TOTAL NUMBER OF MARKED OR METERED PARKING SPACES ON THE BLOCK PERIMETER	MINIMUM REQUIRED NUMBER OF ACCESSIBLE PARKING SPACES
1-25	1
26-50	2
51-75	3
76-100	4
101-150	5
151-200	6
201 AND OVER	4% OF TOTAL

NOTES:

1. METERED PARKING INCLUDES PARKING METERED BY PAY STATIONS. WHERE PARKING ON PART OF THE BLOCK PERIMETER IS ALTERED, THE MINIMUM NUMBER OF ACCESSIBLE PARKING SPACES REQUIRED IS BASED ON THE TOTAL NUMBER OF MARKED OR METERED PARKING SPACES ON THE BLOCK PERIMETER.
2. VAN PARKING (INCLUDING SIGNAGE) AND WHEEL STOPPRE NOT REQUIRED ON-STREET.
3. ACCESSIBLE PARKING SPACES SHALL BE IMMEDIATELY ADJACENT TO A CURB RAMP.

4. REVERSE ANGLED PARKING SHALL FOLLOW THE SAME REQUIREMENTS AS STANDARD ANGLED PARKING WITH THE EXCEPTION THAT THE WIDTH OF THE ACCESSIBLE PARKING SPACE SHALL BE 11'-0" WITH A 5'-0" WIDE MINIMUM ACCESS AISLE EXTENDING THE FULL LENGTH OF THE PARKING SPACE ON THE PASSENGER SIDE (RIGHT SIDE WHEN THE VEHICLE FACES THE STREET). THE WIDTH OF THE SIDEWALK SHALL BE 6'-0" MINIMUM FROM THE FACE OF THE CURB. INSTALL THE POLE SIGN 3'-0" FROM THE CURB FACE ON THE DRIVER'S SIDE.
5. BIKEWAY AND SHARED-USE PROJECTS:
   A. IF THE INSTALLATION OF BIKEWAY, SHARED-USE, OR OTHER SIMILAR PROJECTS REMOVE PARKING, THE PROJECT SHALL INSTALL ACCESSIBLE PARKING SPACES. (INCLUDE A COUNT OF THE NUMBER OF PARKING SPACES ON ALL SIDES OF THE BLOCK ABUTTING THE PROJECT, INCLUDING THE NUMBER AND LOCATIONS OF EXISTING ACCESSIBLE PARKING SPACES).

      IF THE CURRENT RATIOS EXCEED THE MINIMUM REQUIRED PER **SDM-117 SHEET 1**, THE PROJECT SHALL NOT REDUCE THE NUMBER OF ACCESSIBLE SPACES UNLESS THERE IS DOCUMENTATION THAT PERMITS ARE NO LONGER VALID.

      THE PROJECT WILL MAKE ALL EFFORTS TO ACCOMMODATE THESE ACCESSIBLE PARKING SPACES ON A BLOCK FACE AFFECTED BY THE PROJECT, OR IN THE NEAREST CORNER OF THE CROSSSIDE STREET, WHICHEVER PROVIDES THE SAFEST AND MOST USABLE PARKING.

      WHEN THE AFFECTED BLOCK-FACE HAS BUILDINGS FOR GOVERNMENT SERVICES, SENIOR FACILITIES, OR MEDICAL ESTABLISHMENTS WITHOUT PARKING LOTS, THE PROJECT SHALL PROVIDE ACCESSIBLE PARKING IN FRONT OF THESE FACILITIES LOCATED CLOSEST TO THE ACCESSIBLE ROUTE TO THE ENTRANCE TO THE MAXIMUM EXTENT FEASIBLE. FOR EXISTING PERMITTED ACCESSIBLE PARKING, THE PROJECT SHALL CONTACT THE APPLICANT TO ENSURE THE SPACES ARE STILL REQUIRED AND RELOCATE THE ACCESSIBLE PARKING AS CLOSE AS POSSIBLE TO THE EXISTING LOCATION.
   B. IF THE PROJECT PROVIDES PARKING ALONG WITH A PAINTED BUFFER, AN ACCESSIBLE PARKING ACCESS AISLE SHALL BE ON THE PASSENGER SIDE OF THE VEHICLE AND SHALL BE 5'-0" MINIMUM ALONG THE ENTIRE LENGTH AND WIDTH OF THE PARKING SPACE. STRIPING MARKINGS SHALL BE AS REQUIRED BY ON-STREET PARKING. A MARKED CROSSWALK SHALL CONNECT THE ACCESS AISLE TO THE ADJACENT SIDEWALK. AN ACCESSIBLE ROUTE, INCLUDING A CURB RAMP, SHALL CONNECT THE CROSSWALK WITH THE SIDEWALK.
   C. WHERE ACCESSIBLE PARKING IS PROVIDED ADJACENT TO A PAINTED BUFFER, THE ACCESSIBLE SPACE SHALL BE 8'-0" MINIMUM IN WIDTH (9'-0" RECOMMENDED). THE LENGTH SHALL BE 20'-0" MIN. (24'-0" RECOMMENDED).
   D. ACCESSIBLE FLOATING PARKING SPACES SHOULD NOT BE PLACED AT THE FAR SIDE OF SIGNALIZED INTERSECTIONS, LOCATE THESE SPACES ON THE SIDE STREET.
   E. WHEN PARKING IS ALLOWED ADJACENT TO A RAISED BUFFER, PROVIDE CURB RAMPS AND CROSSWALKS OR AT-GRADE ACCESSIBLE CROSSINGS ROUGHLY EVERY 400'-0". PEOPLE MUST TRAVEL NO MORE THAN 200'-0" TO REACH A CROSSWALK FROM THE RAISED BUFFER.

SHEET 1 OF 17

REVISION	BY	APPROVED	DATE
ORIGINAL	FC	A. OSKOUI	12/06
UPDATED	KA	J. NAGELVOORT	01/12
UPDATED	FC	J. NAGELVOORT	02/16
UPDATED	FC	J. NAGELVOORT	09/16
UPDATED	RC	R. AMEN	03/24

CITY OF SAN DIEGO – STANDARD DRAWING

ACCESSIBLE PARKING, EVCS SPACES, AND PASSENGER DROP-OFF / LOADING ZONE (ON-STREET PARKING NOTES)

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
Alaine James 3/28/2024
COORDINATOR R.C.E. 91047 DATE

DRAWING NUMBER **SDM-117**

6 **ACCESSIBLE PARKING**
NO SCALE

OFF-STREET PARKING REQUIREMENTS:

1. WHERE PARKING IS PROVIDED ON EACH FACILITY (LOT OR STRUCTURE), ACCESSIBLE PARKING SPACES SHALL BE PROVIDED.
2. PARKING SPACES USED EXCLUSIVELY FOR BUSES, TRUCKS, OTHER DELIVERY VEHICLES, OR VEHICULAR IMPOUND SHALL NOT BE REQUIRED TO COMPLY WITH THE ACCESSIBLE PARKING RATIO IF THE LOTS ACCESSED BY THE PUBLIC ARE PROVIDED WITH A PASSENGER DROP-OFF AND LOADING ZONE COMPLYING WITH PASSENGER LOADING ZONE STANDARDS. SEE **SDM-117 SHEET 17**.

   ELECTRIC VEHICLE ~~CHARGING STATIONS~~ ARE NOT PARKING SPACES. ACCESSIBLE SPACES REQUIRED FOR ELECTRIC VEHICLE CHARGING STATIONS ~~ARE SEPARATE FROM THIS REQUIREMENT.~~ SEE **SDM-117 SHEETS 4, 5, AND 6**. ELECTRICAL VEHICLE ~~"READY" SPACES FOR FUTURE~~ INSTALLATION WILL BE ~~COUNTED TOWARD THE~~ TOTAL NUMBER ~~OF PARKING SPACES~~.

   A. MINIMUM REQUIRED PARKING RATIO FOR ACCESSIBLE PARKING SPACES

TOTAL NUMBER OF PARKING SPACES PROVIDED IN PARKING FACILITY	MINIMUM NUMBER OF REQUIRED ACCESSIBLE PARKING SPACES
1-25	1
26-50	2
51-75	3
76-100	4
101-150	5
151-200	6
201-300	7
301-400	8
401-500	9
501-1,000	2% OF TOTAL
1,001 AND OVER	20, PLUS 1 FOR EACH 100, OR FRACTION THEREOF, OVER 1000

EXCEPTIONS:

1. 10% OF THE TOTAL NUMBER OF PARKING SPACES AT OUTPATIENT UNITS AND FACILITIES SHALL BE ACCESSIBLE.
2. 20% OF THE TOTAL NUMBER OF PARKING SPACES AT UNITS AND FACILITIES SPECIALIZING IN TREATMENT OR SERVICES FOR PERSONS WITH MOBILITY IMPAIRMENTS SHALL BE ACCESSIBLE.

   B. THE REQUIRED PARKING RATIO FOR ACCESSIBLE PARKING STALLS IS PROVIDED FOR EACH PARKING LOT ON THE SITE.
   C. AT LEAST ONE VAN PARKING SPACE IS REQUIRED FOR EVERY SIX OR FRACTION OF SIX PARKING SPACES.
   D. IN BUILDINGS OR FACILITIES WITH MULTIPLE ACCESSIBLE ENTRANCES WITH ADJACENT PARKING SPACES SHALL BE DISPERSED AND LOCATED CLOSEST TO THE ACCESSIBLE ENTRANCES. A VAN ACCESSIBLE SPACE SHALL BE PROVIDED AT EACH LOCATION.
3. VERTICAL CLEARANCE - PARKING SPACES FOR VANS AND THEIR ADJACENT ACCESS AISLE AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF 8'-2" MINIMUM.
4. THE SURFACE OF THE ENTIRE AREA OF THE ACCESSIBLE PARKING SPACE(S) AND ACCESS AISLE(S) SHALL HAVE A SLOPE OF 1.5% IN ANY DIRECTION.
   A. GUTTERS AND SWALES SHALL NOT BE INCLUDED IN THE OVERALL DIMENSIONS OF THE ACCESSIBLE PARKING SPACES AND ACCESS AISLES, UNLESS SLOPE AND CROSS SLOPE IS 1.5% MAXIMUM.
   B. ADEQUATE DRAINAGE SHALL BE PROVIDED SO THAT WATER DOES NOT ACCUMULATE WITHIN THE ACCESSIBLE PARKING SPACE AND ACCESS AISLE.
   C. THE GUTTER SLOPE AT THE OPENING OF THE CURB RAMPS SERVING THE ACCESS AISLES SHALL BE 1.5%.

SHEET 2 OF 17

REVISION	BY	APPROVED	DATE
ORIGINAL	FC	A. OSKOUI	12/06
UPDATED	KA	J. NAGELVOORT	01/12
UPDATED	FC	J. NAGELVOORT	02/16
UPDATED	FC	J. NAGELVOORT	09/16
UPDATED	RC	R. AMEN	03/24

CITY OF SAN DIEGO – STANDARD DRAWING

ACCESSIBLE PARKING, EVCS SPACES, AND PASSENGER DROP-OFF / LOADING ZONE (OFF-STREET PARKING NOTES)

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
Alaine James 3/28/2024
COORDINATOR R.C.E. 91047 DATE

DRAWING NUMBER **SDM-117**

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

REGISTERED PROFESSIONAL ENGINEER DANIEL QUINDOS No. 92310 Exp. 6-30-27 CIVIL STATE OF CALIFORNIA
2/9/2026
ARCHITECT / CONSULTANT STAMP

Nasland
Civil Engineering • Surveying • Land Planning
4740 Ruffner Street, San Diego, CA 92111
(858) 292-7770 • nasland.com

CONSULTANT LOGO

NE JOB NO. 124–029.1

SWEETWATER UNION HIGH SCHOOL DISTRICT
CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEET WATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	BR,VO
Checked By	:	DQ
Revisions	:	

DETAILS

C5.1

PLOT DATE: 2/9/2026 3:34 PM

5. ACCESS AISLES (LOADING AND UNLOADING AREAS) SHALL BE PROVIDED FOR SINGLE AND DOUBLE ACCESSIBLE PARKING SPACES.
   A. THE ACCESS AISLE SHALL BE CONNECTED TO AN ACCESSIBLE ROUTE.
   B. FOR REGULAR ACCESSIBLE SPACE, THE ACCESS AISLE SHALL BE ON EITHER SIDE OF THE VEHICLE WHEN THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE.
   C. FOR VAN SPACE, THE ACCESS AISLE SHALL BE PLACED ON THE SIDE OPPOSITE THE DRIVER'S SIDE WHEN THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE (I.E. PASSENGER SIDE OF THE VEHICLE).
   D. THE CURB RAMP MAY NOT ENCROACH INTO THE REQUIRED DIMENSIONS FOR THE ACCESSIBLE PARKING SPACE AND ACCESS AISLE.
   E. CURB RAMPS SERVING THE ACCESS AISLES SHALL COMPLY WITH THE APPLICABLE CURB RAMP STANDARDS WITH THE EXCEPTION THAT THE RAMP AND FLARE SLOPES SHALL NOT EXCEED 8%, AND THE COUNTER SLOPE SHALL NOT EXCEED 1.5%.
   F. DETECTABLE WARNING TILES ARE NOT PERMITTED WITHIN THE ACCESS AISLE MINIMUM DIMENSIONS.
6. A WHEEL STOP SHALL BE REQUIRED IF THE WIDTH OF THE WALKWAY IS LESS THAN 6'-0".
7. PARKING SPACES AND ACCESS AISLES SHALL BE DESIGNED SUCH THAT A PEDESTRIAN IS NOT REQUIRED TO TRAVEL BEHIND A PARKING SPACE OTHER THAN TO PASS BEHIND THE PARKING SPACE FOR THEIR PARKED VEHICLE.
8. SIGNAGE:
   A. PAVEMENT PARKING MARKINGS SUCH AS THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) AND "NO PARKING" AT THE ACCESS AISLES SHALL BE PLACED SO THAT THEY ARE VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS WHEN THE VEHICLE IS PARKED PROPERLY. SEE DETAIL ON **SDM-117 SHEET 8**.
   B. WHEN POSTED WITHIN THE CIRCULATION PATH, THE SIGN SHALL BE MOUNTED 7'-0" MINIMUM ABOVE THE FINISH FLOOR TO THE BOTTOM OF THE SIGN PER **SDM-104**.
      IF INSTALLED ON A WALL, THE SIGN MAY BE CENTERED ON THE WALL AT THE INTERIOR END OF THE PARKING SPACE 5'-0" ABOVE GRADE TO THE BOTTOM OF THE SIGN.
   C. A TOW AWAY SIGN SHALL BE INSTALLED AND VISIBLE AT EACH ENTRANCE TO THE OFF STREET PARKING FACILITY OR IMMEDIATELY ADJACENT TO THE ACCESSIBLE PARKING SPACE.
9. CIRCULATION PATHS CONTIGUOUS TO VEHICULAR TRAFFIC SHALL BE PHYSICALLY SEPARATED FROM VEHICULAR TRAFFIC. VEHICULAR TRAFFIC INCLUDES TRAVEL THROUGH PARKING FACILITIES, INTO AND OUT OF PARKING SPACES, INTO AND OUT OF ELECTRIC VEHICLE CHARGING SPACES, AND ALONG ROADWAYS. DRIVEWAYS AND DRIVE AISLES. PHYSICAL SEPARATION SHALL BE PROVIDED WITH CIRCULATION PATHS RAISED 4" MINIMUM ABOVE THE AREA WHERE VEHICULAR TRAFFIC OCCURS.
   A. CURB RAMPS AND BLENDED TRANSITIONS WITH DETECTABLE WARNING TILES COMPLYING WITH **SDG-130 TO SDG-139** MAY BE USED TO CONNECT RAISED CIRCULATION PATHS AND PEDESTRIAN CROSSINGS WITHIN AREAS OF VEHICULAR TRAFFIC. CUT-THROUGH MEDIANS WITH DETECTABLE WARNING TILES COMPLYING WITH **SDG-139** MAY BE USED TO CONNECT.
   B. AT LOCATIONS WHERE CIRCULATION PATHS CROSS DRIVEWAYS OR DRIVE AISLES, CIRCULATION PATHS SHALL NOT BE REQUIRED TO COMPLY WITH NOTE 9 AND DETECTABLE WARNING TILES SHALL NOT BE PERMITTED BEYOND THE CROSSING WHERE CONTINUATION OF THE CIRCULATION PATH WITHIN A PARKING FACILITY LEADS IMMEDIATELY TO AND DOES NOT CONTINUE BEYOND ONLY ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER DROP-OFF AND LOADING ZONES COMPLYING WITH **SDM-117**.
   C. IN ALTERATIONS TO EXISTING PARKING FACILITIES, PHYSICAL SEPARATION MAY BE PROVIDED WITH DETECTABLE WARNING TILES COMPLYING WITH **SDG-130** IN LIEU OF RAISED CIRCULATION PATHS.
   D. ACCESS AISLES SERVING ANY ACCESSIBLE ELECTRIC VEHICLE CHARGING STATION VEHICLE SPACES, ACCESSIBLE PARKING SPACES OR ACCESSIBLE PASSENGER DROP-OFF AND LOADING ZONES SHALL NOT BE REQUIRED TO COMPLY WITH NOTE 9.

SHEET 3 OF 17

REVISION	BY	APPROVED	DATE
ORIGINAL	FC	A. OSIOLI	'2/06
UPDATED	KA	L. NAGELVOORT	'09/12
UPDATED	FC	L. NAGELVOORT	'03/16
UPDATED	FC	L. NAGELVOORT	'09/18
UPDATED	FC	R. AMEN	'03/24

CITY OF SAN DIEGO – STANDARD DRAWING

ACCESSIBLE PARKING, EVCS SPACES, AND PASSENGER DROP-OFF / LOADING ZONE (OFF-STREET PARKING NOTES)

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
Coordinator Alaine James 3/28/2024 R.C.E. 85047 DATE

DRAWING NUMBER **SDM-117**

PASSENGER DROP-OFF AND LOADING ZONE (ON-STREET AND OFF-STREET):

1. WHERE PROVIDED, AT LEAST ONE ACCESSIBLE PASSENGER DROP-OFF AND LOADING ZONE SHALL BE ACCESSIBLE. EXISTING WHITE CURB/LOADING ZONES RELOCATED BY PROTECTED BIKE LANES SHALL MEET THE REQUIREMENTS FOR ON-STREET PASSENGER DROP-OFF AND LOADING ZONE, EXCEPT THAT THE ACCESS AISLE SHALL BE A MINIMUM OF 5'-0".
2. WHERE PERMANENTLY DESIGNATED PASSENGER LOADING ZONES (OTHER THAN TRANSIT STOPS) ARE PROVIDED, AT LEAST ONE ACCESSIBLE PASSENGER LOADING ZONE SHALL BE PROVIDED IN EVERY CONTINUOUS 100'-0" OF LOADING ZONE SPACE, OR FRACTION THEREOF.
3. PASSENGER DROP-OFF AND LOADING ZONES SHALL PROVIDE A VEHICULAR PULL-UP SPACE 8'-0" WIDE MINIMUM AND 20'-0" LONG MINIMUM.
4. PASSENGER DROP-OFF AND LOADING ZONES SHALL BE PROVIDED WITH ACCESS AISLES ADJACENT AND PARALLEL TO THE VEHICLE PULL-UP SPACE.
   A. ACCESS AISLES SHALL BE 5'-0" WIDE MINIMUM AND EXTEND THE FULL LENGTH OF THE VEHICLE PULL-UP SPACE.
   B. ACCESS AISLES SHALL CONNECT DIRECTLY TO AN ACCESSIBLE ROUTE AND SHALL NOT OVERLAP THE VEHICULAR WAY.
   C. ACCESS AISLES SHALL BE MARKED WITH A BORDERLINE AROUND THEIR PERIMETER. THE AREA WITHIN THE BORDERLINES SHALL BE MARKED WITH HATCHED LINES A MAXIMUM OF 3'-0" ON CENTER IN A COLOR CONTRASTING WITH THAT OF THE AISLE SURFACE. (WHITE PAINT ON PAVEMENT AND CONCRETE).
   D. VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL BE AT THE SAME LEVEL AS THE VEHICLE PULL-UP SPACES THEY SERVE. ANY CHANGES IN ELEVATION SHALL BE SERVED BY A CURB RAMP(S).
   E. VEHICLE PULL-UP SPACE AND ACCESS AISLE SLOPES SHALL BE 1.5% IN ANY DIRECTION. ADEQUATE DRAINAGE SHALL BE PROVIDED SO THAT WATER DOES NOT POND IN THE ACCESS AISLE.
   F. OFF-STREET VEHICLE PULL-UP SPACE AND ACCESS AISLE SLOPES SHALL BE 1.5% IN ANY DIRECTION.
   G. ON-STREET VEHICLE PULL-UP SPACE AND ACCESS AISLE RUNNING SLOPE MAY FOLLOW THE EXISTING SLOPE OF THE STREET. CROSS SLOPE SHALL BE 1.5% MAXIMUM AT THE ACCESS AISLE, EXCEPT THAT AT THE PULL-UP SPACE THE 1.5% CROSS SLOPE SHALL BE REQUIRED TO THE MAXIMUM EXTENT FEASIBLE.
   H. ADEQUATE DRAINAGE SHALL BE PROVIDED SO THAT WATER DOES NOT POND IN THE ACCESS AISLE.
5. A MINIMUM OF 9'-6" VERTICAL CLEARANCE SHALL BE PROVIDED AT ACCESSIBLE PASSENGER DROP-OFF AND LOADING ZONES AND ALONG AT LEAST ONE VEHICLE ACCESS ROUTE TO SUCH AREAS FROM SITE ENTRANCE(S) AND EXIT(S).
6. PASSENGER LOADING ZONES SHALL BE IDENTIFIED BY A REFLECTORIZED SIGN POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM THE PASSENGER DROP-OFF AND LOADING ZONE STATING "PASSENGER LOADING ZONE ONLY".
   A. WHEN LOCATED IN A PATH OF TRAVEL, THE SIGN SHALL BE MOUNTED PER **SDM-104.**
7. PARKING FACILITIES THAT PROVIDE VALET PARKING SERVICES SHALL PROVIDE AT LEAST ONE ACCESSIBLE PASSENGER LOADING ZONE.

SHEET 7 OF 17

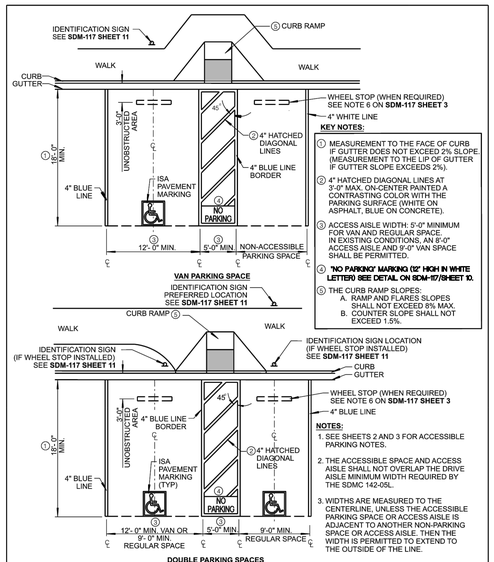
REVISION	BY	APPROVED	DATE
ORIGINAL	FC	A. OSIOLI	'12/06
UPDATED	KA	L. NAGELVOORT	'01/12
UPDATED	FC	L. NAGELVOORT	'03/16
UPDATED	FC	L. NAGELVOORT	'09/18
UPDATED	FM	R. AMEN	'03/24

CITY OF SAN DIEGO – STANDARD DRAWING

ACCESSIBLE PARKING, EVCS SPACES, AND PASSENGER DROP-OFF / LOADING ZONE (PASSENGER DROP-OFF / LOADING ZONE NOTES)

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
Coordinator Alaine James 3/28/2024 R.C.E. 85047 DATE

DRAWING NUMBER **SDM-117**



KEY NOTES:

1. MEASUREMENT TO THE FACE OF CURB IF GUTTER DOES NOT EXCEED 2% SLOPE (MEASUREMENT TO THE LIP OF GUTTER IF GUTTER SLOPE EXCEEDS 2%).
2. 4" HATCHED DIAGONAL LINES AT 3'-0" MAX. ON-CENTER PAINTED A CONTRASTING COLOR WITH THE PARKING SURFACE (WHITE ON ASPHALT, BLUE ON CONCRETE).
3. ACCESS AISLE WIDTH: 5'-0" MINIMUM FOR VAN AND REGULAR SPACE IN EXISTING CONDITIONS, AN 8'-0" ACCESS AISLE AND 9'-0" VAN SPACE SHALL BE PERMITTED.
4. **"NO PARKING" MARKING (12" HIGH IN WHITE LETTER) SEE DETAIL ON SDM-117/SHEET 10.**
5. THE CURB RAMP SLOPES:
   A. RAMP AND FLARES SLOPES SHALL NOT EXCEED 8% MAX.
   B. COUNTER SLOPE SHALL NOT EXCEED 1.5%.

NOTES:

1. SEE SHEETS 2 AND 3 FOR ACCESSIBLE PARKING NOTES.
2. THE ACCESSIBLE SPACE AND ACCESS AISLE SHALL NOT OVERLAP THE DRIVE AISLE MINIMUM WIDTH REQUIRED BY THE SDMC 142-05L.
3. WIDTHS ARE MEASURED TO THE CENTERLINE, UNLESS THE ACCESSIBLE PARKING SPACE OR ACCESS AISLE IS ADJACENT TO ANOTHER NON-PARKING SPACE OR ACCESS AISLE. THEN THE WIDTH IS PERMITTED TO EXTEND TO THE OUTSIDE OF THE LINE.

SHEET 8 OF 17

REVISION	BY	APPROVED	DATE
ORIGINAL	FC	A. OSIOLI	'12/06
UPDATED	KA	L. NAGELVOORT	'01/12
UPDATED	FC	L. NAGELVOORT	'03/16
UPDATED	FC	L. NAGELVOORT	'09/18
UPDATED	FM	R. AMEN	'03/24

CITY OF SAN DIEGO – STANDARD DRAWING

ACCESSIBLE PARKING, EVCS SPACES, AND PASSENGER DROP-OFF / LOADING ZONE (OFF-STREET PARKING)

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
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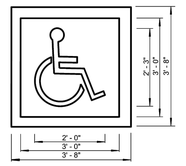
DRAWING NUMBER **SDM-117**

NOTES:

1. THE WORDS "NO PARKING" SHALL BE LOCATED AT THE END OF THE ACCESS AISLE SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS.
2. THE LETTERS SHALL BE NO LESS THAN 1'-0" HIGH AND PAINTED IN WHITE LETTERS ON A BLUE BACKGROUND. THE COLOR BLUE SHALL MATCH FS15090 IN THE FEDERAL STANDARD 595C.

"NO PARKING" PAVEMENT MARKING



NOTES:

1. THE ISA SHALL BE PAINTED WHITE ON A BLUE BACKGROUND. THE COLOR BLUE SHALL MATCH FS 15090 IN THE FEDERAL STANDARD 595C. A BORDER MAY BE PROVIDED INSIDE OR OUTSIDE OF THE MINIMUM REQUIRED ISA DIMENSION.
2. THE LOCATION OF THE ISA SHALL BE VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN THE VEHICLE IS STATIONED IN THE PARKING SPACE.

INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) PAVEMENT MARKING

SHEET 10 OF 17

REVISION	BY	APPROVED	DATE
ORIGINAL	KA	L. NAGELVOORT	'01/12
UPDATED	FC	L. NAGELVOORT	'03/16
UPDATED	FC	L. NAGELVOORT	'09/16
UPDATED	FM	R. AMEN	'03/24

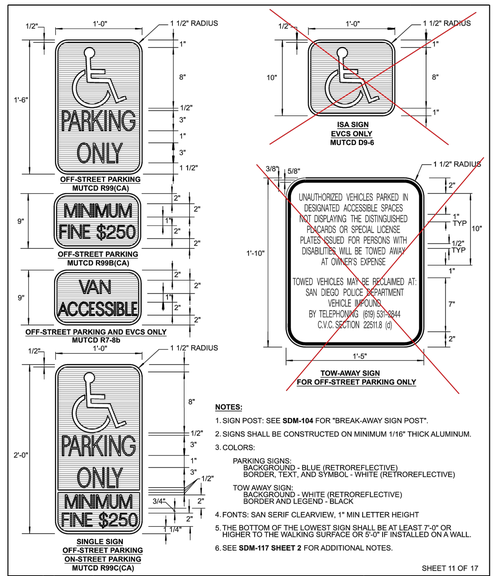
CITY OF SAN DIEGO – STANDARD DRAWING

ACCESSIBLE PARKING, EVCS SPACES, AND PASSENGER DROP-OFF / LOADING ZONE (PAVEMENT MARKINGS)

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
Coordinator Alaine James 3/28/2024 R.C.E. 85047 DATE

DRAWING NUMBER **SDM-117**

6 ACCESSIBLE PARKING CONT.
NO SCALE



NOTES:

1. SIGN POST: SEE **SDM-104** FOR "BREAK-AWAY SIGN POST".
2. SIGNS SHALL BE CONSTRUCTED ON MINIMUM 1/16" THICK ALUMINUM.
3. COLORS:
   PARKING SIGNS:
   BACKGROUND - BLUE (RETROREFLECTIVE).
   BORDER, TEXT, AND SYMBOL - WHITE (RETROREFLECTIVE)
   TOW AWAY SIGN:
   BACKGROUND - WHITE (RETROREFLECTIVE)
   BORDER AND LEGEND - BLACK
4. FONTS: SAN SERIF CLEARVIEW, 1" MIN LETTER HEIGHT
5. THE BOTTOM OF THE LOWEST SIGN SHALL BE AT LEAST 7'-0" OR HIGHER TO THE WALKING SURFACE OR 5'-0" IF INSTALLED ON A WALL.
6. SEE **SDM-117 SHEET 2** FOR ADDITIONAL NOTES.

SHEET 11 OF 17

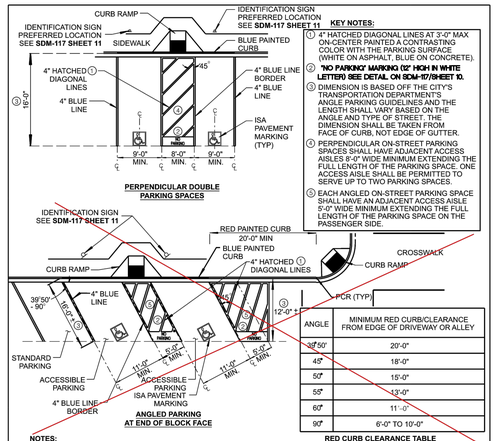
REVISION	BY	APPROVED	DATE
ORIGINAL	KA	L. NAGELVOORT	'01/12
UPDATED	FC	L. NAGELVOORT	'03/16
UPDATED	FC	L. NAGELVOORT	'09/18
UPDATED	FM	R. AMEN	'03/24

CITY OF SAN DIEGO – STANDARD DRAWING

ACCESSIBLE PARKING, EVCS SPACES, AND PASSENGER DROP-OFF / LOADING ZONE (SIGNAGE)

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
Coordinator Alaine James 3/28/2024 R.C.E. 85047 DATE

DRAWING NUMBER **SDM-117**



KEY NOTES:

1. 4" HATCHED DIAGONAL LINES AT 3'-0" MAX ON-CENTER PAINTED A CONTRASTING COLOR WITH THE PARKING SURFACE (WHITE ON ASPHALT, BLUE ON CONCRETE).
2. **"NO PARKING" MARKING (12" HIGH IN WHITE LETTER) SEE DETAIL ON SDM-117/SHEET 10.**
3. DIMENSION IS BASED OFF THE CITY'S TRANSPORTATION DEPARTMENT'S ANGLE PARKING GUIDELINES AND THE LENGTH SHALL VARY BASED ON THE ANGLE AND TYPE OF STREET. THE DIMENSION SHALL BE TAKEN FROM FACE OF CURB, NOT EDGE OF GUTTER.
4. PERPENDICULAR ON-STREET PARKING SPACES SHALL HAVE ADJACENT ACCESS AISLES 6'-0" WIDE MINIMUM EXTENDING THE FULL LENGTH OF THE PARKING SPACE. ONE ACCESS AISLE SHALL BE PERMITTED TO SERVE UP TO TWO PARKING SPACES.
5. EACH ANGLED ON-STREET PARKING SPACE SHALL HAVE AN ADJACENT ACCESS AISLE 5'-0" WIDE MINIMUM EXTENDING THE FULL LENGTH OF THE PARKING SPACE ON THE PASSENGER SIDE.

ANGLE	MINIMUM RED CURB/CLEARANCE FROM EDGE OF DRIVEWAY OR ALLEY
30°/50°	20'-0"
45°	18'-0"
50°	15'-0"
55°	13'-0"
60°	11'-0"
90°	6'-0" TO 10'-0"

RED CURB CLEARANCE TABLE

NOTES:

1. NO ACCESSIBLE PARKING SPACE OR ACCESS AISLE SHALL BE WITHIN 15'-0" OF A FIRE HYDRANT.
2. IN THE RED CURB CLEARANCE TABLE, THE MINIMUM RED CURB LENGTH FOR A 90 °ANGLED PARKING SPACE VARIES BASED ON LOCATION, SIGHT VISIBILITY, AND OTHER FACTORS. DO NOT REDUCE THE LENGTH OF THE EXISTING PAINTED RED CURB IF IT IS MORE THAN SPECIFIED ON THIS TABLE. CONTACT THE CITY'S TRAFFIC ENGINEERING DEPARTMENT FOR ASSISTANCE.
3. SEE **SDM-117 SHEET 1** FOR ADDITIONAL NOTES.
4. INCLUDE THE FOLLOWING INFORMATION ON THE STRIPING PLAN OR DETAIL PER EACH BLOCK FACE AND TOTAL PER BLOCK PERIMETER:
   A. TOTAL NUMBER OF EXISTING ON-STREET PARKING SPACES.
   B. TOTAL NUMBER OF EXISTING ON-STREET ACCESSIBLE PARKING SPACES.
   C. TOTAL NUMBER OF NEW ON-STREET PARKING SPACES.
   D. TOTAL NUMBER OF REQUIRED ON-STREET ACCESSIBLE PARKING SPACES BLOCK PERIMETER.
   E. TOTAL NUMBER OF ON-STREET ACCESSIBLE PARKING SPACES PROVIDED.

SHEET 12 OF 17

REVISION	BY	APPROVED	DATE
ORIGINAL	FC	A. OSIOLI	'12/06
UPDATED	FC	L. NAGELVOORT	'03/16
UPDATED	FC	L. NAGELVOORT	'09/18
UPDATED	FM	R. AMEN	'03/24

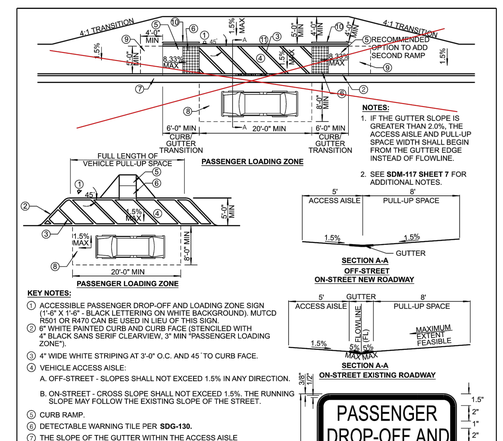
CITY OF SAN DIEGO – STANDARD DRAWING

ACCESSIBLE PARKING, EVCS SPACES, AND PASSENGER DROP-OFF / LOADING ZONE (ON-STREET PARKING)

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
Coordinator Alaine James 3/28/2024 R.C.E. 85047 DATE

DRAWING NUMBER **SDM-117**

6 ACCESSIBLE PARKING CONT.
NO SCALE



KEY NOTES:

1. ACCESSIBLE PASSENGER DROP-OFF AND LOADING ZONE SIGN (1'-0" X 1'-0" - BLACK LETTERING ON WHITE BACKGROUND). MUTCD R501 OR R470 CAN BE USED IN LIEU OF THIS SIGN.
2. 6" WHITE PAINTED CURB AND CURB FACE (STENCILED WITH 4" BLACK SANS SERIF CLEARVIEW, 3" MIN "PASSENGER LOADING ZONE").
3. 4" WIDE WHITE STRIPING AT 3'-0" O.C. AND 45 ° TO CURB FACE.
4. VEHICLE ACCESS AISLE:
   A. OFF-STREET - SLOPES SHALL NOT EXCEED 1.5% IN ANY DIRECTION.
   B. ON-STREET - CROSS SLOPE SHALL NOT EXCEED 1.5%, THE RUNNING SLOPE MAY FOLLOW THE EXISTING SLOPE OF THE STREET.
5. CURB RAMP.
6. DETECTABLE WARNING TILE PER **SDG-130.**
7. THE SLOPE OF THE GUTTER WITHIN THE ACCESS AISLE SHALL NOT EXCEED 5%.
8. VEHICLE PULL-UP SPACE SHALL MEASURE 20'-0" X 8'-0":
   A. OFF-STREET PULL-UP SPACE - SLOPES SHALL NOT EXCEED 1.5% IN ANY DIRECTION.
   B. ON-STREET PULL-UP SPACE - CROSS SLOPE SHALL BE 1.5% IF FEASIBLE (OTHERWISE TO THE MAXIMUM EXTENT). THE RUNNING SLOPE MAY FOLLOW THE EXISTING SLOPE OF THE STREET.
9. 4'-0" X 5'-0" LEVEL LANDING.
   THE CURB RAMP LANDING SHALL CONNECT TO THE ACCESSIBLE ROUTE TO THE FACILITY IT SERVES.
10. PROTECTIVE RAILING PER **SDG-140.**
11. THE CENTER 50% OF THE LENGTH OF THE SIDEWALK, OR OTHER SURFACE, ADJACENT TO AN ACCESSIBLE PASSENGER LOADING ZONE SHALL BE PAVED AND FREE OF OBSTRUCTIONS.

NOTES:

1. IF THE GUTTER SLOPE IS GREATER THAN 2.0%, THE ACCESS AISLE AND PULL-UP SPACE WIDTH SHALL BEGIN FROM THE GUTTER EDGE INSTEAD OF FLOWLINE.
2. SEE **SDM-117 SHEET 7** FOR ADDITIONAL NOTES.

SHEET 17 OF 17

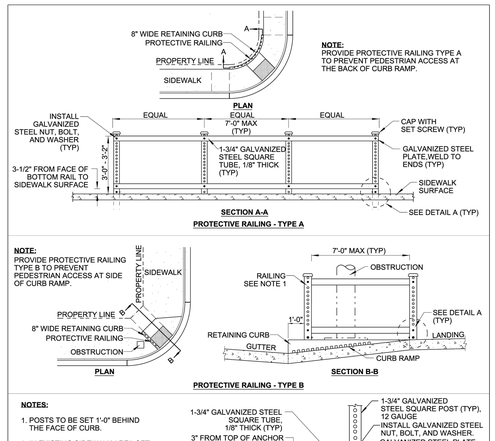
REVISION	BY	APPROVED	DATE
ORIGINAL	KA	L. NAGELVOORT	'01/12
UPDATED	FC	L. NAGELVOORT	'03/16
UPDATED	FC	L. NAGELVOORT	'09/18
UPDATED	FM	R. AMEN	'03/24

CITY OF SAN DIEGO – STANDARD DRAWING

ACCESSIBLE PARKING, EVCS SPACES, AND PASSENGER DROP-OFF AND LOADING ZONE (ON AND OFF-STREET PASSENGER DROP-OFF AND LOADING ZONE)

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
Coordinator Alaine James 3/28/2024 R.C.E. 85047 DATE

DRAWING NUMBER **SDM-117**



REVISION	BY	APPROVED	DATE
ORIGINAL	FC	J. NAGELVOORT	'03/16
REDRAFTED	CD	J. NAGELVOORT	'09/18
UPDATED	HN	J. NAGELVOORT	'04/19

CITY OF SAN DIEGO – STANDARD DRAWING

PROTECTIVE RAILING AT CURB RAMPS

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
Coordinator C.M.Figueroa R.C.E. 56523 4/10/19 DATE

DRAWING NUMBER **SDG-140**

7 PROTECTIVE RAILING
NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

REGISTERED PROFESSIONAL ENGINEER DANIEL QUINDOS No. 92310 Exp. 6-30-27 CIVIL STATE OF CALIFORNIA
2/9/2026

ARCHITECT / CONSULTANT STAMP

Nasland
Civil Engineering • Surveying • Land Planning
4740 Ruffner Street, San Diego, CA 92111
(858) 292-7770 • nasland.com

CONSULTANT LOGO

NE JOB NO. 124–029.1

SWEETWATER UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

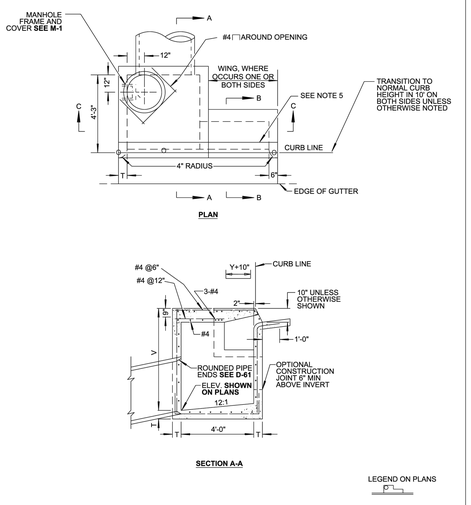
SWEET WATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	BR,VO
Checked By	:	DQ
Revisions	:	

DETAILS

C5.2

PLOT DATE: 2/9/2026 3:39 PM



SHEET 1 OF 2

REVISION	BY	APPROVED	DATE
ORIGINAL*	KA	J. NAGELVOORT	01/12
UPDATED	RB	J. NAGELVOORT	10/15
UPDATED	HN	J. NAGELVOORT	02/16
REDRAFTED	CD	J. NAGELVOORT	09/18
UPDATED	CD	J. NAGELVOORT	12/19

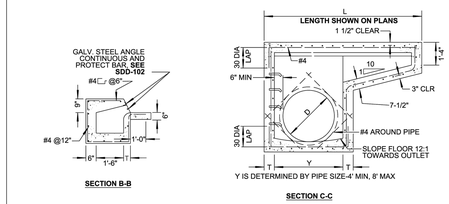
CITY OF SAN DIEGO – STANDARD DRAWING

CURB INLET - TYPE B

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
COORDINATOR R.C.E. 56523 12/18/19 DATE

DRAWING NUMBER **SDD-116**

8 PROTECTED CURB INLET TYPE B
NO SCALE



NOTES

1. TYPES ARE DESIGNATED AS FOLLOWS: (NO WING)B, (ONE WING)B-1, (TWO WINGS)B-2.
2. EXPOSED EDGES OF CONCRETE SHALL BE ROUNDED WITH A RADIUS OF 1/2".
3. WHEN V EXCEEDS 4', STEPS SHALL BE INSTALLED.
4. CONCRETE GUTTER TO MATCH ADJACENT GUTTERS.
5. AN EXPANSION JOINT SHALL BE PLACED AT THE ENDS OF THE INLET WHERE THE CURB IS TO ADJOIN **PER G-10**.
6. PROVIDE 1/4" TOOLED GROOVE IN TOP SLAB IN LINE WITH BACK OF ADJACENT CURB.
7. SURFACE OF TOP SLAB SHALL BE SIDEWALK FINISHED TO DRAIN TOWARD STREET AT A SLOPE OF 1/4" PER FOOT.
8. ELEVATION **SHALL BE SHOWN ON THE PLANS** WHERE INDICATED "O" SYMBOL.
9. **SEE SDD-102 AND SDD-114** FOR ADDITIONAL NOTES AND DETAILS.

SHEET 2 OF 2

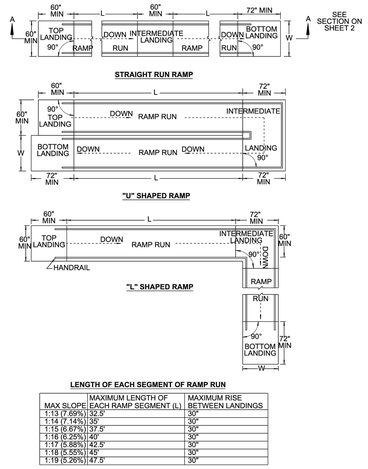
REVISION	BY	APPROVED	DATE
ORIGINAL*	KA	J. NAGELVOORT	01/12
UPDATED	RB	J. NAGELVOORT	10/15
UPDATED	HN	J. NAGELVOORT	02/16
REDRAFTED	CD	J. NAGELVOORT	09/18
UPDATED	CD	J. NAGELVOORT	12/19

CITY OF SAN DIEGO – STANDARD DRAWING

CURB INLET - TYPE B

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
COORDINATOR R.C.E. 56523 12/18/19 DATE

DRAWING NUMBER **SDD-116**



LENGTH OF EACH SEGMENT OF RAMP RUN

MAX SLOPE	MAXIMUM LENGTH OF EACH RAMP SEGMENT (L)	MAXIMUM RISE BETWEEN LANDINGS
1:13 (7.69%)	32.5'	30"
1:14 (7.14%)	35'	30"
1:15 (6.67%)	37.5'	30"
1:16 (6.25%)	40'	30"
1:17 (5.88%)	42.5'	30"
1:18 (5.55%)	45'	30"
1:19 (5.26%)	47.5'	30"

NOTES:

1. (W) THE WIDTH OF THE RAMPS THAT ARE PART OF THE MEAN OF EGRESS WILL ALSO HAVE TO MEET THE ADDITIONAL CODE REQUIREMENTS.
2. THE WIDTH AT THE BOTTOM LANDING SHALL BE AS WIDE AS THE RAMP.
3. SPECIFY THE LEAST POSSIBLE SLOPE BELOW THE MAXIMUM TO PROVIDE A CONSTRUCTION TOLERANCE AND TO OFFER BETTER USABILITY.

SEE ADDITIONAL NOTES ON SHEET 3

SHEET 1 OF 3

REVISION	BY	APPROVED	DATE
ORIGINAL	SM	A. OSKOUI	12/03
UPDATE	FC	A. OSKOUI	12/06
UPDATE	KA	J. NAGELVOORT	01/12
UPDATE	FC	J. NAGELVOORT	02/16
REDRAFTED	CD	J. NAGELVOORT	09/18

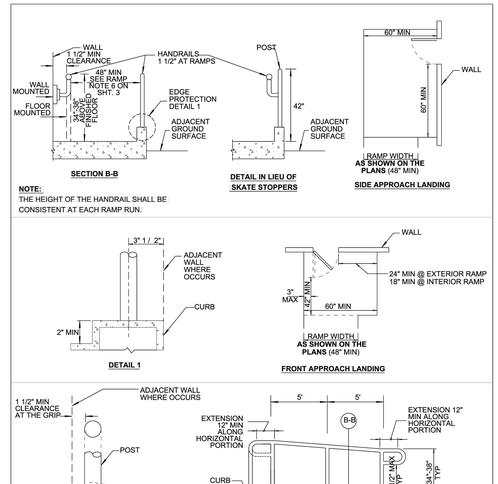
CITY OF SAN DIEGO – STANDARD DRAWING

PEDESTRIAN RAMP AND PROTECTIVE RAILING

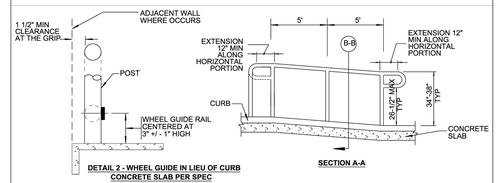
RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
COORDINATOR R.C.E. 56523 9/4/18 DATE

DRAWING NUMBER **SDM-115**

9 PEDESTRIAN RAMP AND PROTECTIVE RAILING
NO SCALE



NOTE:
THE HEIGHT OF THE HANDRAIL SHALL BE CONSISTENT AT EACH RAMP RUN.



SHEET 2 OF 3

REVISION	BY	APPROVED	DATE
ORIGINAL	SM	A. OSKOUI	12/03
UPDATE	FC	A. OSKOUI	12/06
UPDATE	KA	J. NAGELVOORT	01/12
UPDATE	FC	J. NAGELVOORT	02/16
REDRAFTED	CD	J. NAGELVOORT	09/18

CITY OF SAN DIEGO – STANDARD DRAWING

PEDESTRIAN RAMP AND PROTECTIVE RAILING

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
COORDINATOR R.C.E. 56523 9/4/18 DATE

DRAWING NUMBER **SDM-115**

RAMP:

1. ANY WALKING SURFACE THAT IS PART OF AN ACCESSIBLE ROUTE WITH THE SLOPE GREATER THAN 5% SHALL BE CONSIDERED A PEDESTRIAN RAMP AND MUST COMPLY WITH THE PEDESTRIAN RAMP STANDARDS.
2. THE LEAST POSSIBLE SLOPE SHALL BE USED WITHOUT EXCEEDING 7.7%, PER CITY OF SAN DIEGO ACCESS MEMO.
3. THE RUNNING SLOPE SHALL BE UNIFORM ALONG EACH RAMP SEGMENT.
4. CROSS SLOPE SHALL NOT EXCEED 1.5%.
5. LANDINGS SHALL HAVE A 1.5% SLOPE IN BOTH DIRECTIONS.
6. WALKING SURFACE MUST BE STABLE, FIRM, AND SLIP RESISTANT. CONCRETE SHALL HAVE A MEDIUM BROOM TRANSVERSE FINISH.
7. LANDINGS MUST BE DESIGNED TO PREVENT PONDING.
8. WHERE THE CHANGE OF SLOPE OCCURS, GRADE BREAKS MUST BE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUNS TO PREVENT CROSS SLOPE ISSUES.

HANDRAIL:

1. HANDRAILS ARE REQUIRED ON BOTH SIDES OF A PEDESTRIAN RAMP.

   EXCEPTIONS:
   a. RAMPS AT EXTERIOR DOOR LANDINGS THAT RISE LESS THAN 6 INCHES OR HAVE LESS THAN 72 INCHES LENGTH. HOWEVER, LEVEL LANDINGS SHALL BE PROVIDED AT THE TOP AND BOTTOM.

   b. RAMPS IMMEDIATELY ADJACENT TO SEATING IN ASSEMBLY AREAS.
2. HANDRAILS SHALL BE CONTINUOUS FOR THE FULL LENGTH OF THE RAMP RUN PLUS THE EXTENSION.
3. INSIDE HANDRAILS AT "U" SHAPED AND "L" SHAPED RAMPS SHALL BE CONTINUOUS.
4. HANDRAILS SHALL EXTEND 12 INCHES MINIMUM BEYOND THE TOP, INTERMEDIATE AND BOTTOM OF EACH RAMP SEGMENT IN THE DIRECTION OF THE RAMP RUN, THE HANDRAIL EXTENTION SHALL BE PARALLEL TO THE LANDING SURFACE.
5. HANDRAIL EXTENSION SHALL NOT EXTEND INTO THE REQUIRED WIDTH OF AN ADJACENT ROUTE OF TRAVEL. IN EXISTING FACILITIES WHERE THE ENCROACHMENT OF THE EXTENSION IN THE DIRECTION OF THE RAMP CREATES A HAZARD, THE EXTENSION SHALL BE BENT 90 DEGREES TO THE RUN OF THE RAMP.
6. END OF HANDRAIL EXTENSION SHALL BE TURNED TO THE WALL, FLOOR OR POST.
7. END OF HANDRAIL EXTENSION SHALL BE TURNED TO THE FLOOR WHEN EXTENSION IS PROTRUDING PERPENDICULAR INTO PATH OF TRAVEL.
8. TOP GRIPPING SURFACE OF THE HANDRAIL SHALL BE UNIFORM IN HEIGHT. THE GRIPPING SURFACE SHALL BE CONTINUOUS AND SMOOTH (NO SHARP CORNERS).
9. THE GRIPPING PORTION SHALL BE 4 INCHES MIN TO 6-1/4 INCHES MAX PERIMETER DIMENSION, 1-1/4 INCHES TO 2-1/4 INCHES IN CROSS SECTIONAL NOMINAL DIMENSION OR SHAPED WITH EQUIVALENT GRIPPING SURFACE.
10. DESIGN AND SHOP DRAWINGS SHALL BE **APPROVED BY THE CITY ENGINEER** AND ACCESS COMPLIANCE OFFICER PRIOR TO FABRICATION.
11. ADJACENT WALL OR OTHER SURFACES SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENT (SMOOTH FINISH).
12. A GUARDRAIL 42 INCHES ABOVE FINISHED FLOOR SHALL BE INSTALLED ALONG OPEN EDGES OF THE RAMP AND LANDINGS THAT ARE 30 INCHES OR MORE IN HEIGHT FROM THE ADJACENT GROUND SURFACE AND THE RAMP IS NOT BOUNDED BY A WALL OR FENCE. **SEE SDM-118**.
13. PROVIDE A CONTINUOUS GUIDE CURB OR GUIDE RAIL IF POSTS ARE INSTALLED ON THE RAMP SURFACE OR IF THE FINISH SURFACE IS GREATER THAN 4 INCHES HIGHER THAN THE ADJACENT GROUND SURFACE.
14. FOR HANDRAIL AND GUARDRAIL MATERIAL, FINISHES AND ADDITIONAL DETAILS, SEE RELATED DETAIL DRAWINGS.

SHEET 3 OF 3

REVISION	BY	APPROVED	DATE
ORIGINAL	SM	A. OSKOUI	12/03
UPDATE	FC	A. OSKOUI	12/06
UPDATE	KA	J. NAGELVOORT	01/12
UPDATE	FC	J. NAGELVOORT	02/16
REDRAFTED	CD	J. NAGELVOORT	09/18

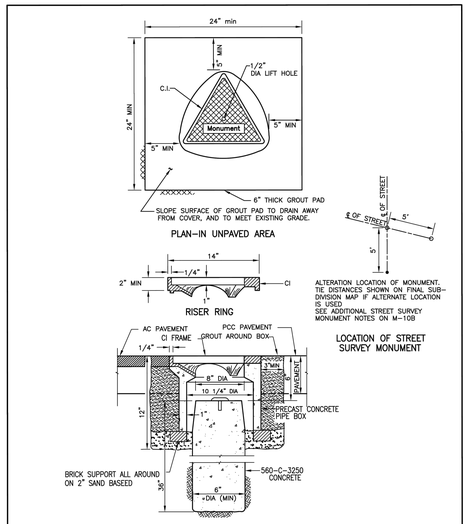
CITY OF SAN DIEGO – STANDARD DRAWING

PEDESTRIAN RAMP AND PROTECTIVE RAILING

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
COORDINATOR R.C.E. 56523 9/4/18 DATE

DRAWING NUMBER **SDM-115**

9 PEDESTRIAN RAMP AND PROTECTIVE RAILING CONT
NO SCALE



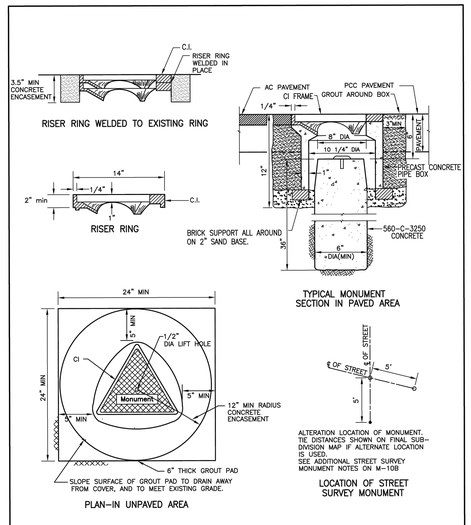
Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Revised		D.Gerschefske	09/15
Reviewed	RP	S. Engeda	03/22

SAN DIEGO REGIONAL STANDARD DRAWING

STREET SURVEY MONUMENT

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE
Chairperson R.C.E. 52241 Date

DRAWING NUMBER **M-10A**



Revision	By	Approved	Date
New		T.Stanton	10/15
Revised		D.Gerschefske	10/18
Reviewed	RP	S. Engeda	03/22

SAN DIEGO REGIONAL STANDARD DRAWING

STREET SURVEY MONUMENT OVERLAY ADJUSTMENT

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE
Chairperson R.C.E. 52241 Date

DRAWING NUMBER **M-10B**

NOTES

1. COVER AND FRAME TO BE CAST INTEGRALLY WITH PIPE BOX.
2. MONUMENT BASE MAY BE CAST IN PLACE OR PRECAST.
3. FORM AND TAPER EXPOSED UPPER 6" OF CAST–IN–PLACE BASE TO A TOP DIAMETER OF 5". (PRECAST BASE SHALL BE SAND BACKFILLED)
4. MONUMENT MARKER SHALL BE A DOMED BRASS, 3" IN DIAMETER.
5. MONUMENT LOCATION:
   A) SET ON ALL CENTERLINE INTERSECTIONS UNLESS ACTUAL LOCATION IS MODIFIED BY THE AGENCY AND SHOWN IN MODIFIED LOCATION ON MAP. WHEN CENTERLINE INTERSECTIO IS IMPRACTICAL, OFFSET 5' ON CENTERLINE OF MAJOR STREET, (SEE DETAIL AT RIGHT). IF NEITHER CETERLINE CAN BE OCCUPIED, TWO MONUMENTS WILL BE SET IN LINE AROUND THE FRONT ON THE PERIMETER OF A 10' DIAMETER CIRCLE, WHOSE CENTER IS THE POINT.
   B) SET ON CENTERLINE AT INTERVALS NOT EXCEEDING 1000' ON STRAIGHT RUNS.
   C) SET ON CENTERLINE AT POINTS OF CURVATURE.
   D) SET ON CENTER AT CENTER POINTS OF CUL–DE–SACS.
   E) SET ON CENTERLINE WHEN CENTER POINT OF CUL–DE–SAC IS OFFSET FROM CENTERLINE.
   F) THESE STANDARDS MAY BE MODIFIED AT THE DISCRETION OF THE THE AGENCY IN CASES WHERE STRICT COMPLIANCE THEREWITH RESULTS IN MORE MONUMENTS THAN IT CONSIDERS NECESSARY. THE FOLLOWING TECHNIQUE FOR REDUCING THE NUMBER OF MONUMENTS WILL BE ROUTINE.
   G) SUBSTITUTION OF ONE MONUMENT ON THE "POINT OF INTERSECTION" FOR MONUMENTS AT THE "BEGINNING OF CURVE" AND THE "ENDING OF CURVE" WHEN THE "POINT OF INTERSECTION" FALLS WITHIN THE PAVEMENT AREA.
   H) DELETION OF ANY MONUMENT OTHERWISE REQUIRED BY THESE STANDARDS WHEN ITS POSITION CAN BE DETERMINED BY TURNING ONE ANGLE FROM A POINT ON A STRAIGHT LINE BETWEEN TWO OTHER MONUMENTS, PROVIDING SUCH POINT IS NOT MORE THAN 300' FROM THE POINT ON WHICH THE DELETED MONUMENT WOULD HAVE BEEN PLACED.
   I) FOR RAISING STREET SURVEY MONUMENT TO FINISH GRADE, RISER RING IS TO BE WELDED TO EXISTING RING AND BROUGHT TO SURFACE. ALL WELDING MUST BE DONE TO THE EXTERIOR OF THE RISER RING. NO INTERIOR WELDS ARE TO BE DONE. ENCASE RISER RING IN FAST SETTING CONCRETE WITH A MINIMUM OF 3.5" THICKNESS. CONCRETE MUST OBTAIN 1600 PSI BEFORE TRAFFIC USE, AND HAVE A MINIMUM STRENGTH OF 3250 PSI.

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Note 1 Rev		D. Gerschefske	10/18
Reviewed	RP	S. Engeda	03/22

SAN DIEGO REGIONAL STANDARD DRAWING

STREET SURVEY MONUMENT NOTES

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE
Chairperson R.C.E. 52241 Date

DRAWING NUMBER **M-10C**

10 REPLACED SURVEY MONUMENT
NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

REGISTERED PROFESSIONAL ENGINEER DANIEL QUINN No. 92310 CIVIL STATE OF CALIFORNIA
EXP. 6-30-27
2/9/2026
ARCHITECT / CONSULTANT STAMP

Nasland
Civil Engineering • Surveying • Land Planning
4740 Ruffner Street, San Diego, CA 92111
(858) 292-7770 • nasland.com
CONSULTANT LOGO

NE JOB NO. 124–029.1

SWEETWATER UNION HIGH SCHOOL DISTRICT
CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

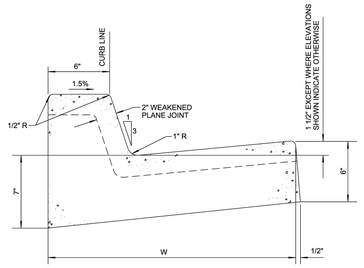
SWEET WATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	BR,VO
Checked By	:	DQ
Revisions	:	

DETAILS

C5.3

PLOT DATE: 2/9/2026 3:39 PM



TYPE	W	*AREA
G	24"	1.34 SQ FT
H	30"	1.61 SQ FT

* WITH 6" CURB FACE

NOTES:

1. CONCRETE SHALL BE 520-C-2500.
2. SEE JOINT DETAIL DRAWING **SDG-109 AND G-10**.
3. ON THE SIDE OF OF SUPER ELEVATED CURVES THE GUTTER SHALL BE SLOPED TO MATCH CROSS SECTION GRADE OF THE ROADWAY.
4. PLACE EXPANSION JOINTS AT CURB RETURNS ADJACENT TO STRUCTURES AND AT NO GREATER THAN 45' INTERVALS.
5. PLACE WEAKENED PLANE JOINTS AT DRIVEWAYS AND AT 15' INTERVALS FROM POINT OF CURB RETURN.
6. ALL HISTORICAL STAMPS / IMPRESSIONS SHALL BE PRESERVED **PER SDG-115**.

LEGEND ON PLANS

REVISION	BY	APPROVED	DATE
ORIGINAL*	KA	J. NAGELVOORT	01/12
UPDATED	RB	J. NAGELVOORT	10/15
UPDATED	HM	J. NAGELVOORT	02/16
REDRAFTED	CD	J. NAGELVOORT	09/18

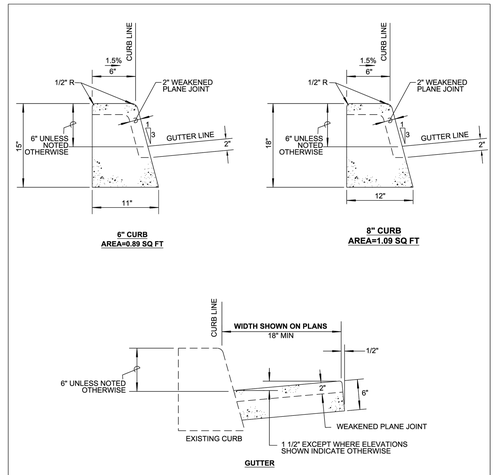
CITY OF SAN DIEGO – STANDARD DRAWING

CURB AND GUTTER - COMBINED

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
COORDINATOR R.C.E. 56923 9/4/18 DATE

DRAWING NUMBER **SDG-151**

11 **6" CURB AND GUTTER**
NO SCALE



NOTES:

1. CONCRETE SHALL BE 520-C-2500.
2. SEE **SDG-109** AND **G-10** FOR JOINT DETAILS.
3. ALL HISTORICAL STAMPS / IMPRESSIONS (STREET NAME, CONTRACTOR NAME, AND / OR DATE) SHALL BE PRESERVED **PER SDG-115**.

LEGEND ON PLANS
6" CURB

REVISION	BY	APPROVED	DATE
ORIGINAL*	KA	J. NAGELVOORT	01/12
UPDATED	RB	J. NAGELVOORT	10/15
UPDATED	HM	J. NAGELVOORT	02/16
REDRAFTED	CD	J. NAGELVOORT	09/18

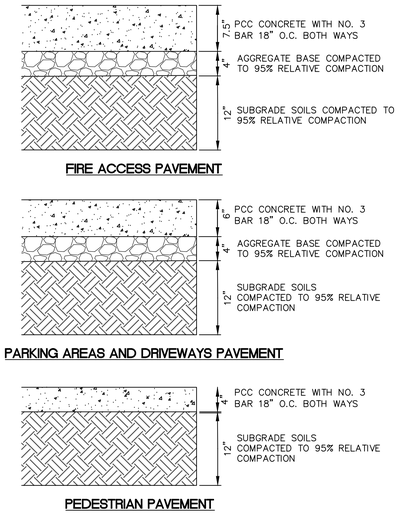
CITY OF SAN DIEGO – STANDARD DRAWING

CURB AND GUTTER - SEPARATE

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
COORDINATOR R.C.E. 56923 9/4/18 DATE

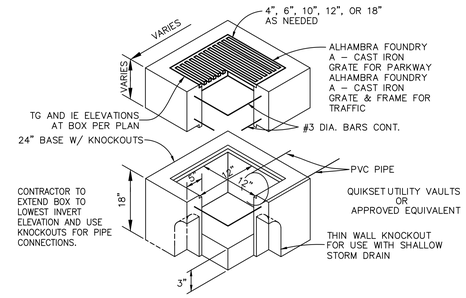
DRAWING NUMBER **SDG-150**

12 **6" CURB AND GUTTER SEPARATE**
NO SCALE

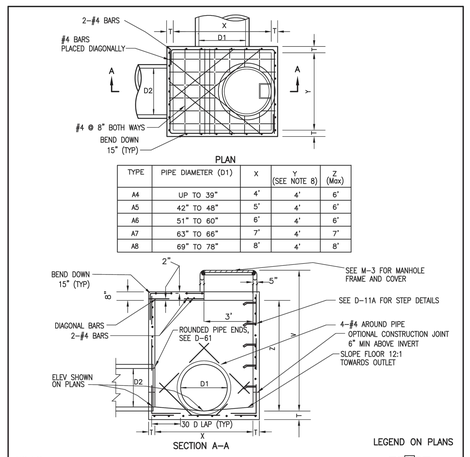


NOTE: THE GEOTECHNICAL ENGINEER OF RECORD SHALL BE PRESENT DURING THE SCARIFICATION PROCESS TO VERIFY THAT THE SUBGRADE MATERIALS BELOW 12 INCHES ARE FIRM AND NON-YIELDING.

13 **CONCRETE PAVEMENT SECTIONS**
NO SCALE



14 **12" x 12" CATCH BASIN**
NO SCALE



TYPE	PIPE DIAMETER (D1)	X	Y (SEE NOTE 8)	Z (Max)
A4	UP TO 39"	4'	4'	6'
A5	42" TO 48"	5'	4'	6'
A6	51" TO 60"	6'	4'	6'
A7	63" TO 66"	7'	4'	7'
A8	69" TO 78"	8'	4'	8'

NOTES

1. SEE D-11A AND D-11B FOR ADDITIONAL NOTES AND DETAILS.
2. CONCRETE BASE SHALL BE 560-C-3250.
3. ALL PRECAST COMPONENTS SHALL BE REINFORCED WITH 1/4" DIAMETER STEEL, WOUND SPIRALLY ON 4" CENTERS.
4. ALL JOINTS SHALL BE SET IN CLASS C MORTAR.
5. MAINTAIN 1–1/2" CLEAR SPACING BETWEEN REINFORCING AND CONCRETE SURFACE UNLESS OTHERWISE NOTED.
6. EXPOSED EDGES OF CONCRETE SHALL BE ROUNDED WITH A 1/2" RADIUS.
7. MANHOLE COVER TO BE MARKED "STORM DRAIN".
8. MODIFICATIONS TO "Y" DIMENSION IS REQUIRED IF PIPE (D2) EXCEEDS 39".
9. IF CONSTRUCTED ADJACENT TO SIDEWALK, TOP OF MANHOLE AND SLAB TO MATCH SIDEWALK SLOPE AND FINISH.

LEGEND ON PLANS

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Edited		T. Stanton	02/09
Edited	S.S.	T. Regello	03/11
Edited	T.R.	T. Regello	10/15
Edited	M.M.	M. Widelski	10/18

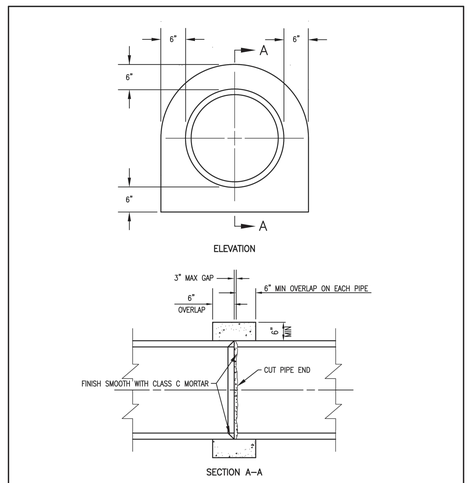
SAN DIEGO REGIONAL STANDARD DRAWING

STORM DRAIN CLEANOUT – TYPE A

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE
Chairperson R.C.E. 19246 10/25/2018 Date

DRAWING NUMBER D-09

15 **TYPE A4 CLEANOUT**
NO SCALE



NOTES

1. PIPE COLLAR DOES NOT HAVE TO BE FINISHED IF COVERED.
2. CONCRETE SHALL BE 560-C-3250.
3. AN INTERNAL FORM SHALL BE USED WHERE GAP EXCEEDS 3" BUT IS NOT MORE THAN 6".

LEGEND ON PLANS

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Reviewed		T. Stanton	04/08
Edited	S.S.	T. Regello	03/11
Edited	T.R.	T. Regello	10/15
Edited	M.M.	M. Widelski	10/18

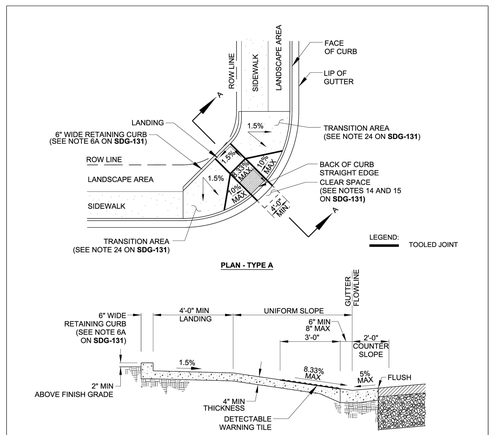
SAN DIEGO REGIONAL STANDARD DRAWING

PIPE COLLAR

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE
Chairperson R.C.E. 19246 10/25/2018 Date

DRAWING NUMBER D-62

16 **PIPE COLLAR**
NO SCALE



REVISION	BY	APPROVED	DATE
ORIGINAL	FC	J. NAGELVOORT	02/16
REDRAFTED	CD	J. NAGELVOORT	09/18
UPDATED	HN	J. NAGELVOORT	04/19
UPDATED	FC	J. NAGELVOORT	09/20

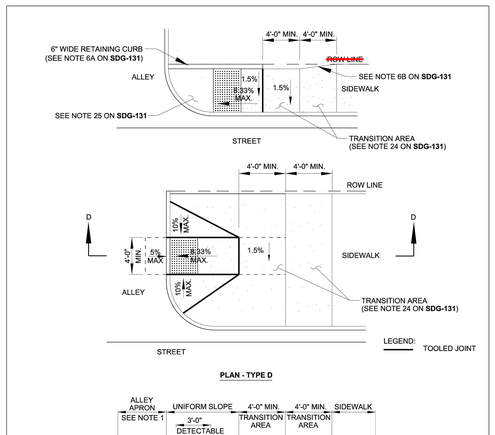
CITY OF SAN DIEGO – STANDARD DRAWING

CURB RAMP - TYPE A

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
COORDINATOR R.C.E. 56923 9/22/20 DATE

DRAWING NUMBER **SDG-132**

17 **TYPE A CURB RAMP**
NO SCALE



NOTE:

~~1. REFER TO SDG-131, NOTE 25 AND SDG-135 FOR ALLEY APRON REPLACEMENT.~~

SHEET 2 OF 2

REVISION	BY	APPROVED	DATE
ORIGINAL	FC	J. NAGELVOORT	02/16
REDRAFTED	CD	J. NAGELVOORT	09/18
UPDATED	HN	J. NAGELVOORT	04/19
UPDATED	FC	J. NAGELVOORT	09/20

CITY OF SAN DIEGO – STANDARD DRAWING

CURB RAMP - TYPE D

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
COORDINATOR R.C.E. 56923 9/22/20 DATE

DRAWING NUMBER **SDG-137**

18 **TYPE D CURB RAMP**
NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

REGISTERED PROFESSIONAL ENGINEER
DANIEL QUINONES
No. 92319
Exp. 6-30-27
STATE OF CALIFORNIA
2/9/2026
ARCHITECT / CONSULTANT STAMP

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Civil Engineering • Surveying • Land Planning
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(858) 292-7770 • nasland.com

CONSULTANT LOGO

NE JOB NO. 124–029.1

SWEETWATER UNION HIGH SCHOOL DISTRICT
CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEET WATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	BR,VO
Checked By	:	DQ
Revisions	:	

DETAILS

C5.4

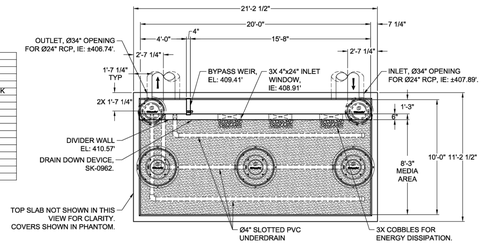
PLOT DATE: 2/9/2026 3:30 PM

DRAWING PROPERTIES	
Structure ID	DMA 2
Model Size	10'X20
Treatment Flow Rate (cfs)	0.588
Peak Flow Rate (cfs)	5.32

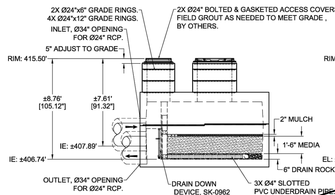
Notes:
-

BILL OF MATERIALS

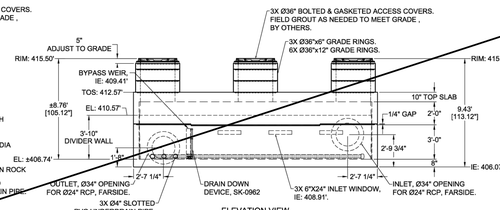
ITEM	STD	BY	INSTALL	QTY	UNIT	DESCRIPTION/ERP ID
3.00 FT BASE		OI	GC	1	EA	-
DIVIDER WALL		OI	OI	1	EA	-
WEIR WALL		OI	OI	1	EA	-
DRAIN ROCK		OI	GC	30534	LBS	SUPER SAK(50000015) 1 TON/SACK
MEDIA		OI	GC	11.28	TON	STORMMIX MEDIA,1 TON/SACK
MULCH		OI	GC	27.50	CF	SCUFT/BAG
RIVERROCK		OI	GC	0.024	CY	ENERGY DISSIPATION STONE
UNDERDRAIN KIT		OI	GC	1	EA	
DRAIN DOWN	X	OI	GC	1	EA	COMPLETE ASSEMBLY/SK-0962
2.00 FT TOP		OI	GC	1	EA	
FRAME & COVER	X	OI	GC	2	EA	24"ØID-OSS-24BA
GRADE RING(S)	X	OI	GC	2	EA	24"Ø X 6"
GRADE RING(S)	X	OI	GC	4	EA	24"Ø X 12"
FRAME & COVER	X	OI	GC	3	EA	36"ØID-OSS-24BA
GRADE RING(S)	X	OI	GC	3	EA	36"Ø X 6"
GRADE RING(S)	X	OI	GC	6	EA	36"Ø X 12"



PLAN VIEW



LEFT END VIEW



ELEVATION VIEW
(MEDIA & Ø24" ACCESS COVERS NOT SHOWN FOR CLARITY)

NOTES

1. DESIGN LOADINGS:
   A. AASHTO HS-20-44 1W IMPACT.
   B. DESIGN FILL - 3'-0" MAXIMUM.
   C. ASSUMED WATER TABLE = BELOW BOTTOM OF PRECAST.
   D. DRY LATERAL EARTH PRESSURE (EFP) (ACTIVE) = 42 PCF.
   E. DRY LATERAL EARTH PRESSURE (EFP) (AT-REST) = 60 PCF.
   F. LATERAL LIVE LOAD SURCHARGE = 80 PSF (APPLIED TO 8' BELOW GRADE).
   G. SEISMIC LATERAL EARTH PRESSURE = 24 PCF (APPLIED AS ADDITIONAL EFP)
   H. LATERAL RECTANGULAR SURCHARGE FROM ADJACENT BUILDINGS, WALLS, PIERS, OR FOUNDATIONS.
   I. SOIL UNIT WEIGHT = 120 PCF.
2. CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE 7,000 PSI MINIMUM.
3. STEEL REINFORCEMENT: REBAR, ASTM A-615 OR A-706, GRADE 60.
4. MESH REINFORCEMENT: ASTM A-1064, S1.2, GRADE 80.
5. CEMENT: ASTM C-150 SPECIFICATION.
6. REFERENCE STANDARD:
   A. ASTM C 890
   B. ASTM C 913
7. THIS STRUCTURE IS DESIGNED TO THE PARAMETERS NOTED HEREIN. PLEASE VERIFY THAT THESE PARAMETERS MEET PROJECT REQUIREMENTS. IF LOADS OR OTHER DESIGN FACTORS OF CLOACASTLE PARAMETERS ARE INCORRECT, REVIEWING ENGINEER/AUTHORITY SHALL NOTIFY CLOACASTLE INFRASTRUCTURE UPON REVIEW OF THIS SUBMITTAL.
8. OVERSIZED HOLES TO ACCOMMODATE SPECIFIC PIPE TYPES ARE TO BE CUT IN THE FIELD AS REQUIRED. ALL ANNULAR SPACES SHALL BE FILLED WITH A MINIMUM OF 3000 PSI CONCRETE FOR FULL THICKNESS OF PRECAST WALLS. PIPES ARE TO BE FLUSH WITH THE INSIDE SURFACE OF THE CONCRETE STRUCTURE.
9. CONTRACTOR RESPONSIBLE TO CONFIRM ALL SIZES, LOCATIONS AND ELEVATIONS OF OPENINGS.
10. CONTRACTOR RESPONSIBLE TO ENSURE ADEQUATE BEARING SURFACE IS PROVIDED (I.E. COMPACTED AND LEVEL PER PROJECT SPECIFICATIONS).
11. ADAPTORS/ANGLES AND EXTERNAL PIPING BY OTHERS.
12. MAXIMUM PICK WEIGHT: TBD.

REV	DESCRIPTION	DATE

Oldcastle Infrastructure
A CRH COMPANY
Inc. 800.579.8910 | www.oldcastleinfrastructure.com/stormwater

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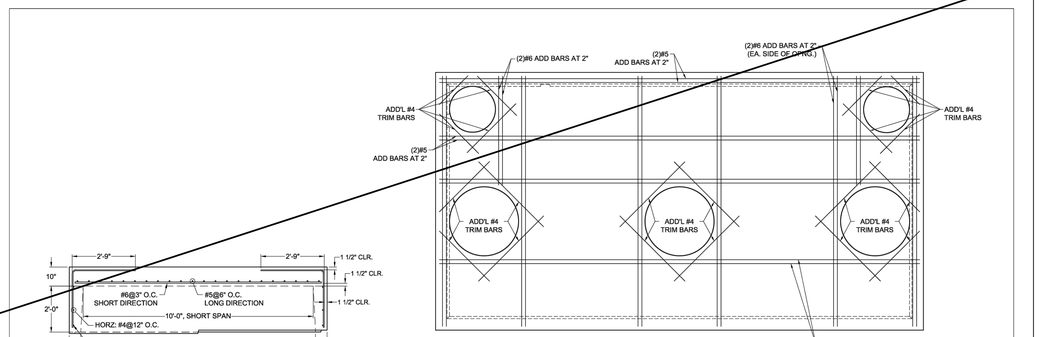
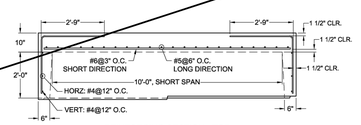
PROJECT	BioPod™ Biofilter System UNDERGROUND VAULT
	SYSTEM ID: DMA 2
CUSTOMER	Nasland Engineering
JOB NAME	Rancho Del Rey Middle School, Sweet Water Union - Chula Vista, CA
JOB NUMBER	25-1396725

DATE	MFG DR	DRAWN	REVIEWED	CHECKED	SALES ORDER
2/6/26	STD-FCE PPS	HMF	HMF	HMF	-

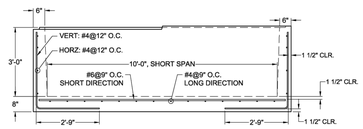
STATUS	SHEET
CONCEPTUAL DRAWING	1 OF 2



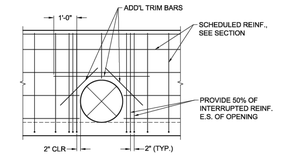
ADDITIONAL REINFORCING PLAN VIEW
TOP SLAB
SCALE: 3/8" = 1'-0"



REINFORCING SECTION - TOP
SCALE: 3/8" = 1'-0"



REINFORCING SECTION - BASE
SCALE: 3/8" = 1'-0"



TYPICAL REINF. DETAIL WALL OPNG.
SCALE: 3/8" = 1'-0"

REV	DESCRIPTION	DATE

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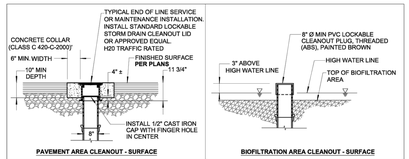
PROJECT	BioPod™ Biofilter System UNDERGROUND VAULT
	SYSTEM ID: DMA 2
CUSTOMER	Nasland Engineering
JOB NAME	Rancho Del Rey Middle School, Sweet Water Union - Chula Vista, CA
JOB NUMBER	25-1396725

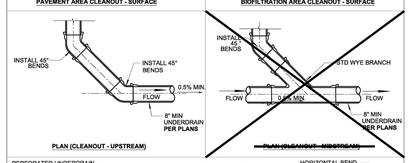
DATE	MFG DR	DRAWN	REVIEWED	CHECKED	SALES ORDER
2/6/26	STD-FCE PPS	HMF	HMF	HMF	-

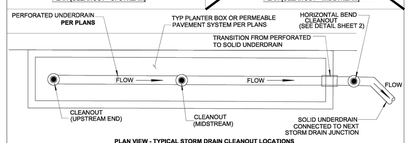
STATUS	SHEET
CONCEPTUAL DRAWING	2 OF 2

19 STORM DRAIN TREATMENT UNIT
NO SCALE

*PLEASE NOTE THAT THIS DETAIL IS TO BE DEFERRED TO A LATER SUBMITTAL.







NOTE

SEE ADDITIONAL NOTES ON SHEET 2

SHEET 1 OF 2

REVISION	BY	APPROVED	DATE
ORIGINAL	CG	LANGELVOORT	06 /18

CITY OF SAN DIEGO – STANDARD DRAWING

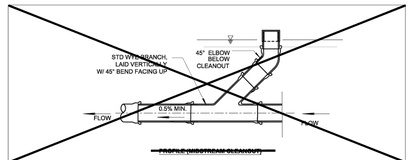
RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE

COORDINATOR // R.C.E. 56025 — 06/05/2018 DATE

CLEANOUT FOR UNDERDRAIN

DRAWING NUMBER SDSW-101

20 CLEANOUT FOR UNDERDRAIN
NO SCALE



NOTES:

1. FOR PERMEABLE PAVEMENT APPLICATIONS, PIPES AND FITTINGS SHALL BE PROPERLY ALIGNED AND MAINTAINED WHILE CONCRETE IS BEING PLACED AND ALLOWED TO HARDEN. JOINTS FOR PIPES AND FITTINGS SHALL BE MADE PRIOR TO PLACING CONCRETE. CONCRETE FOR BEDDING, ENCASEMENT, AND WALL SUPPORT FOR PIPES AND FITTINGS SHALL BE PLACED UNIFORMLY AROUND THE PIPE AND FITTINGS AS SHOWN, AND SHALL BE CLASS 420-C-2000.
2. USE OF SMALLER DEGREE BENDS ONLY ALLOWED **PER ENGINEER'S APPROVAL.**

SHEET 2 OF 2

REVISION	BY	APPROVED	DATE
ORIGINAL	CG	LANGELVOORT	06 /18

CITY OF SAN DIEGO – STANDARD DRAWING

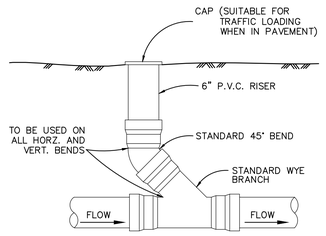
RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE

COORDINATOR // R.C.E. 56025 — 06/05/2018 DATE

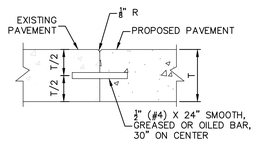
CLEANOUT FOR UNDERDRAIN

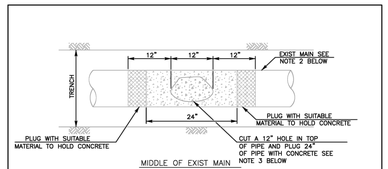
DRAWING NUMBER SDSW-101

22 CONCRETE JOINT DETAIL
NO SCALE



21 STORM DRAIN CLEANOUT
NO SCALE





NOTES:
1) REFER TO AGENCY SPECIFICATIONS WHERE APPLICABLE
2) WATER AND RECYCLED WATER MAINS AND SEWER LATERALS 4" DIAMETER AND SMALLER SHALL HAVE A SHORT SECTION OF PIPE REMOVED AND PIPE ENDS ENCASED IN CONCRETE
3) EXISTING MAIN TO BE PLUGGED WITH CONCRETE OR PRESSURE GROUTED AT INTERVALS OF ABOUT 200' OR AS DIRECTED BY THE ENGINEER
4) EXISTING MAINS 16" AND LARGER REQUIRE THE ENTIRE LENGTH OF THE PIPE TO BE FILLED BY PRESSURE GROUTING OR BY BLOWN SAND
5) EXISTING VALVES SHALL BE TURNED TO THE CLOSED POSITION. REMOVE GATE WELL AND REPLACE WITH COMPACTED BACKFILL
6) FOR ABANDONMENT OF MANHOLES SEE SM–08
7) PRIOR AGENCY APPROVAL REQUIRED FOR CUTTING AND PLUGGING

Revision	By	Approved	Date
ORIGINAL		A. Tamasulo	10/04
Delete MetCo	MR	S. KNOLL	03/11
Updated	DK	S. KNOLL	10/18
Reviewed	RP	S. Engeda	03/22

SAN DIEGO REGIONAL STANDARD DRAWING

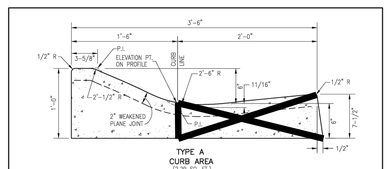
CUTTING AND PLUGGING ABANDONED WATER, RECYCLED WATER AND SEWER MAINS

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE

Chairperson, R.C.E. 52241 Date

DRAWING NUMBER WP–03

23 CONCRETE PLUG
NO SCALE



NOTES:
1. TRANSITION TO TYPE C OR H CURB AT ALL CURB RETURNS, EXCEPT WHERE CURB RAMPS ARE PROVIDED, AND AT ALL CUL-DE-SACS WITH DRAINAGE STRUCTURES. SEE STANDARD DRAWING G-4B FOR DETAILS.
2. CONCRETE SHALL BE 520-C-2500.
3. SEE STANDARD DRAWINGS G-9 AND G-10 FOR JOINT DETAILS.

LEGEND ON PLANS

Revision	By	Approved	Date
ORIGINAL		KERCHEVAL	12/75
UPDATED	CV	S. Stanton	12/15
Reviewed	KE	S. Stanton	10/18
Reviewed	RP	S. Engeda	03/22

SAN DIEGO REGIONAL STANDARD DRAWING

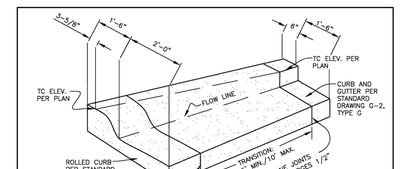
CURB AND GUTTER - ROLLED

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE

Chairperson, R.C.E. 52241 Date

DRAWING NUMBER G-4A

24 MODIFIED ROLLED CURB (NO GUTTER)
NO SCALE



NOTES:
1. REFER TO RSD G-2, TYPE G AND G-4A FOR SPECIFIC DIMENSIONS RELATED TO EACH TYPE OF CURB.
2. TRANSITIONS SHOULD OCCUR ALONG THE BACK OF CURB, HOLDING EDGE OF PAVEMENT PARALLEL AND CONCENTRIC WITH STREET CENTERLINE. ALTERNATE ALIGNMENTS MAY BE REQUIRED AND ARE AT AGENCY'S DISCRETION.

LEGEND ON PLANS

Revision	By	Approved	Date
NEW	SW	MR/CV	7/15
UPDATED	CV	CV	12/15
Reviewed	KE	S. Stanton	10/18
Reviewed	RP	S. Engeda	03/22

SAN DIEGO REGIONAL STANDARD DRAWING

CURB AND GUTTER TO ROLLED CURB TRANSITION

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE

Chairperson, R.C.E. 52241 Date

DRAWING NUMBER G-04B

25 CURB AND GUTTER TO ROLLED CURB TRANSITION
NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

REGISTERED PROFESSIONAL ENGINEER DANIEL QUINDOS No. 92310 Exp. 6-30-27 CIVIL STATE OF CALIFORNIA

2/9/2026

ARCHITECT / CONSULTANT STAMP

Nasland
Civil Engineering • Surveying • Land Planning
4740 Ruffner Street, San Diego, CA 92111
(858) 292-7770 • nasland.com

CONSULTANT LOGO

NE JOB NO. 124–029.1

SWEETWATER UNION HIGH SCHOOL DISTRICT

CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

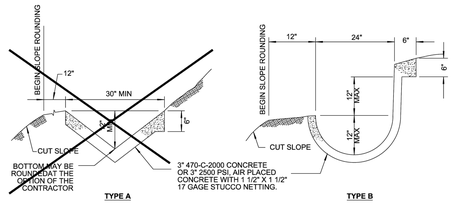
SWEET WATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	BR,VO
Checked By	:	DQ
Revisions	:	

DETAILS

C5.5

PLOT DATE: 2/9/2026 2:44 PM



NOTES:

1. LONGITUDINAL SLOPE OF LINED DITCH SHALL BE 2% MINIMUM.
2. OVER SLOPE DOWN DITCHES SHALL EMPLOY 6" THICKENED EDGE SECTION AT BOTH SIDES OF DITCH.
3. STUCCO NETTING SHALL BE GALVANIZED AND SHALL HAVE 1 1/2" COVER.

LEGEND ON PLANS

REVISION	BY	APPROVED	DATE
ORIGINAL*	KA	J. NAGELVOORT	01/12
REDRAFTED	CD	J. NAGELVOORT	09/18

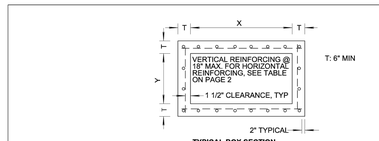
CITY OF SAN DIEGO – STANDARD DRAWING

DRAINAGE DITCHES

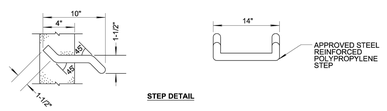
RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
COORDINATOR R.C.E. 56823 9/10/18 DATE

DRAWING NUMBER **SDD-106**

26 DRAINAGE DITCH
NO SCALE



TYPICAL BOX SECTION



STEP DETAIL

NOTES:

1. CONCRETE SHALL BE 560-C-3250 UNLESS OTHERWISE NOTED.
2. REINFORCING STEEL SHALL COMPLY WITH THIS DRAWING UNLESS OTHERWISE SPECIFIED.
3. REINFORCING STEEL SHALL BE INTERMEDIATE GRADE DEFORMED BARS CONFORMING TO LATEST ASTM SPECIFICATIONS.
4. BENDS SHALL BE IN ACCORDANCE WITH LATEST ACI CODE.
5. MINIMUM SPLICE LENGTH FOR REINFORCING SHALL BE 30 DIAMETERS.
6. FLOOR SHALL HAVE A WOOD TROWEL FINISH AND, EXCEPT WHERE USED AS JUNCTION BOXES, SHALL HAVE A MINIMUM SLOPE OF 1:12 TOWARD THE OUTLET.
7. DEPTH (V) IS MEASURED FROM THE TOP OF THE STRUCTURE TO THE FLOWLINE OF THE BOX.
8. WALL THICKNESS AND REINFORCING STEEL REQUIRED MAY BE DECREASED IN ACCORDANCE WITH TABLE LOCATED ON SHEET 2.
9. WALL THICKNESS SHALL BE STEPPED ON THE OUTSIDE OF THE BOX.
10. WHEN THE STRUCTURE DEPTH (V) EXCEEDS 4', STEPS SHALL BE CAST INTO THE WALL AT 15" INTERVALS FROM 15" ABOVE FLOOR TO WITHIN 12" OF TOP OF STRUCTURE. PLACE STEPS IN WALL WITHOUT PIPE OPENING, OTHERWISE OVER OPENING OF SMALLEST DIAMETER.
11. ALTERNATE STEP MAY BE AN APPROVED STEEL REINFORCED POLYPROPYLENE STEP.
12. UPON APPROVAL OF THE ENGINEER, AS DEFINED BY SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, THE USE OF PRECAST STORM STRUCTURES IS ACCEPTABLE AS AN ALTERNATE TO CAST-IN-PLACE. PRECAST UNITS SHALL CONFORM TO ASTM STANDARDS AND BE MANUFACTURED IN A PERMANENT FACILITY DESIGNED FOR THAT PURPOSE.
13. TYPICAL REINFORCEMENT LAP SHALL BE 30 TIMES THE BAR DIAMETER MINIMUM. DIMENSION T SHALL BE 6" MINIMUM.
14. MARK EVERY STORM DRAIN INLET WITHIN THE PROJECT BOUNDARIES WITH ADHESIVE DECAL-DISCS ON EXISTING INLETS OR AN IMBEDDED CONCRETE STAMP ON NEW INLETS.
15. ON CURB INLETS, PLACE MARKER ON TOP OF THE INLET ROOF. ON CATCH BASIN, IMPRINT STAMP NEXT TO INLET GRATE.
16. NO RECYCLED WATER SHALL ENTER INTO STORM DRAIN.

SHEET 1 OF 2

REVISION	BY	APPROVED	DATE
ORIGINAL*	KA	J. NAGELVOORT	01/12
UPDATED	HN	J. NAGELVOORT	03/15
REDRAFTED	CD	J. NAGELVOORT	09/18

CITY OF SAN DIEGO – STANDARD DRAWING

INLETS AND CLEANOUTS NOTES AND DETAILS

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
COORDINATOR R.C.E. 56823 9/10/18 DATE

DRAWING NUMBER **SDD-114**

BOX SECTION HORIZONTAL REINFORCEMENT			
MAXIMUM SPAN X OR Y	DEPTH V	THICKNESS T	HOR. & FLR. REINF.
3'-0" TO 4'-0"	4'-0"	6"	#4 18"
4'-1" TO 7'-0"		6"	#4 12"
7'-0" TO 8'-0"		6"	#4 8"
3'-0" TO 4'-0"	4'-1" TO 8'-0"	6"	#4 18"
4'-1" TO 5'-0"		6"	#4 12"
5'-1" TO 6'-0"		6"	#4 8"
6'-1" TO 8'-0"		6"	#4 6"
3'-0" TO 4'-0"	8'-1" TO 12'-0"	8"	#4 15"
4'-1" TO 5'-0"		8"	#4 12"
5'-1" TO 6'-0"		8"	#4 8"
6'-1" TO 8'-0"		8"	#4 6"
3'-0" TO 4'-0"	12'-1" TO 16'-0"	8"	#4 12"
4'-1" TO 5'-0"		8"	#4 12"
5'-1" TO 6'-0"		8"	#4 8"
6'-1" TO 7'-0"		8"	#4 6"
7'-1" TO 8'-0"		8"	#5 8"
3'-0" TO 4'-0"	16'-1" TO 20'-0"	8"	#4 12"
4'-1" TO 5'-0"		10"	#4 12"
5'-1" TO 6'-0"		10"	#4 8"
6'-1" TO 7'-0"		10"	#4 6"
7'-1" TO 8'-0"		10"	#5 8"
3'-0" TO 4'-0"	20'-1" TO 24'-0"	8"	#4 12"
4'-1" TO 5'-0"		10"	#4 12"
5'-1" TO 6'-0"		10"	#4 8"
6'-1" TO 7'-0"		10"	#4 6"
7'-1" TO 8'-0"		12"	#5 8"

SHEET 2 OF 2

REVISION	BY	APPROVED	DATE
ORIGINAL*	KA	J. NAGELVOORT	01/12
UPDATED	HN	J. NAGELVOORT	03/15
REDRAFTED	CD	J. NAGELVOORT	09/18

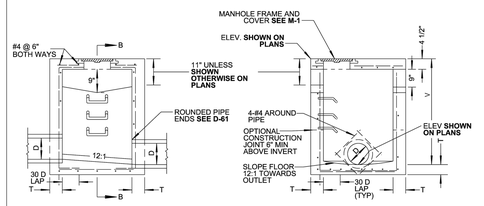
CITY OF SAN DIEGO – STANDARD DRAWING

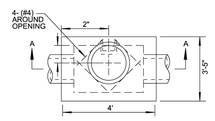
INLETS AND CLEANOUTS NOTES AND DETAILS

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
COORDINATOR R.C.E. 56823 9/10/18 DATE

DRAWING NUMBER **SDD-114**

27 CATCH BASIN-TYPE F
NO SCALE





PLAN

NOTES

1. WHEN V EXCEEDS 4', STEPS SHALL BE INSTALLED.
2. EXPOSED EDGES OF CONCRETE SHALL BE ROUNDED WITH A RADIUS OF 1/2".
3. CONSTRUCT OPENINGS ON BOTH SIDES UNLESS OTHERWISE **SHOWN ON PLANS**.
4. MAINTAIN 1-1/2" CLEAR SPACING BETWEEN REINFORCING AND SURFACE.
5. INSTALL 1" STEEL PROTECTION BAR.
6. DIAMETER "D" SHALL BE 18" MAX, FOR LARGER DIAMETER PIPES THIS DRAWING MUST BE MODIFIED.
7. **SEE SDD-114** FOR ADDITIONAL NOTES AND DETAILS.

LEGEND ON PLANS

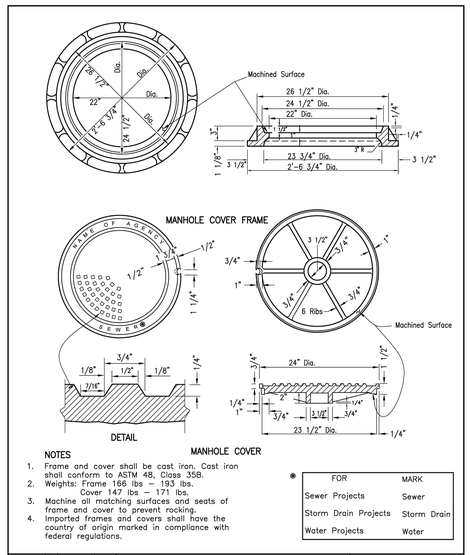
REVISION	BY	APPROVED	DATE
ORIGINAL*	KA	J. NAGELVOORT	01/12
UPDATED	RB	J. NAGELVOORT	10/15
UPDATED	HN	J. NAGELVOORT	03/16
REDRAFTED	CD	J. NAGELVOORT	09/18

CITY OF SAN DIEGO – STANDARD DRAWING

CATCH BASIN - TYPE F

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
COORDINATOR R.C.E. 56823 9/10/18 DATE

DRAWING NUMBER **SDD-119**



NOTES

1. Frame and cover shall be cast iron. Cast iron shall conform to ASTM 48, Class 35B.
2. Weights: Frame 166 lbs – 193 lbs. Cover 147 lbs – 171 lbs.
3. Machine all matching surfaces and seats of frame and cover to prevent rocking.
4. Imported frames and covers shall have the country of origin marked in compliance with federal regulations.

FOR	MARK
Sewer Projects	Sewer
Storm Drain Projects	Storm Drain
Water Projects	Water

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Delete Metric		S. Gerschoffet	05/12
Reviewed		T. Stanton	12/15
Reviewed		T. Stanton	10/18

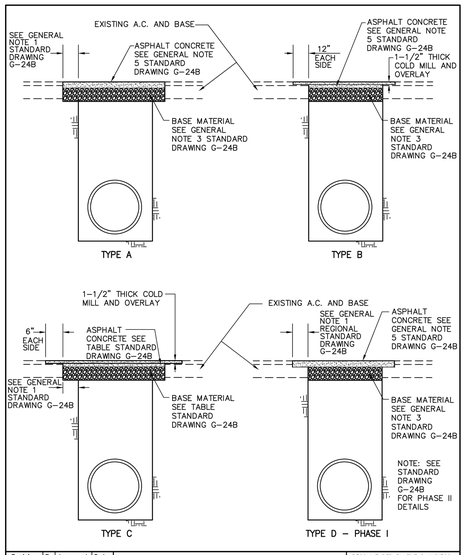
SAN DIEGO REGIONAL STANDARD DRAWING

24" MANHOLE FRAME AND COVER HEAVY DUTY

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE
Chairperson R.C.E. 19246 10/25/2018 Date

DRAWING NUMBER **M-01**

28 MANHOLE COVER
NO SCALE



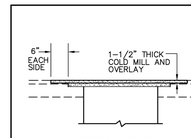
Revision	By	Approved	Date
ORIGINAL		PARSONSON	02/95
UPDATED	MR	MR/CV	03/12
REVIEWED	CV	CV	12/15
Reviewed	RP	S. Engedo	03/22

SAN DIEGO REGIONAL STANDARD DRAWING

TRENCH RESURFACING ASPHALT CONCRETE STREETS

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE
Chairperson R.C.E. 52241 03/24/2022 Date

DRAWING NUMBER **G-24A**



TYPE C TRENCH		
	ASPHALT	ASPHALT PLUS BASE
MIX DESIGN	3/4" TYPE III CLASS B3	3/4" TYPE III CLASS B3 PLUS CLASS II BASE
ALLEYS	8.0"	ASPHALT THICKNESS TO EQUAL EXISTING PLUS 1", MIN 4" TO MAX 9" COMBINED ASPHALT PLUS BASE 18" MIN.
LOCAL – 4 LANE COLLECTOR	10.0"	
MAJOR OR GREATER	12.0"	

GENERAL NOTES:

1. TRENCH EDGES TO BE SAWCUT A MINIMUM OF 6" WIDER THAN TRENCH FOR 3' WIDE OR LESS, AND 12" WIDER FOR TRENCHES OVER 3' WIDE ON EACH SIDE OF TRENCH, EXCEPT TYPE B.
2. EXISTING A.C. SHALL BE SAWCUT AND REMOVED IN SUCH A MANNER SO AS NOT TO TEAR, BULGE, OR DISPLACE ADJACENT PAVEMENT. EDGES SHALL BE CLEAN AND VERTICAL. ALL CUTS SHALL BE PARALLEL OR PERPENDICULAR TO STREET CENTERLINE, WHEN PRACTICAL.
3. BASE MATERIAL SHALL MATCH THE THICKNESS OF EXISTING BASE OR AS SHOWN ON PLAN. A.C. MAY BE SUBSTITUTED FOR BASE MATERIAL WITH PRIOR AGENCY APPROVAL. TYPE C – SEE TABLE.
4. A TACK COAT OF ASPHALTIC EMULSION OR PAVING ASPHALT SHALL BE APPLIED TO EXISTING A.C. OR P.C.C. CONTACT SURFACES PRIOR TO RESURFACING.
5. ASPHALT CONCRETE RESURFACING:
   A. MINIMUM TOTAL THICKNESS SHALL BE ONE INCH GREATER THAN EXISTING A.C. OR AS SHOWN ON PLAN.
   B. A.C. SHALL BE HOT PLANT MIX.
   C. TYPE C – SEE TABLE.
6. ALL A.C. RESURFACING SHALL BE SEAL COATED WITH AN EMULSIFIED ASPHALT AND COVERED WITH SAND. CHIP SEALING SHALL BE APPLIED AS REQUIRED BY AGENCY.
7. PAVEMENT FABRIC SHALL BE INSTALLED WHEN REQUIRED BY AGENCY.

TYPE B & C NOTES:

1. ASPHALT TRENCH CAPS IN STREETS NOT RECEIVING A FULL WIDTH OVERLAY PRIOR TO ACCEPTANCE SHALL BE BASE–PAVED TO MATCH EXISTING ADJACENT PAVEMENT SURFACE. NO LESS THAN 30 DAYS AFTER INITIAL ASPHALT PLACEMENT, TRENCH CAP SHALL BE MILLED AS SHOWN AND RESURFACED WITH 1/2" TYPE III CLASS C2 ASPHALT.
2. UPON APPROVAL OF ALL PIPELINE TESTING AND TIE–INS FROM THE AGENCY, THE CONTRACTOR SHALL COLD MILL THE TRENCH REPAIR TO A DEPTH OF 1–1/2", ONE FOOT WIDER THAN THE TRENCH WIDTH ON BOTH SIDES. WHEN EDGE OF COLD MILL LINE IS WITHIN 18" OF ANY STRUCTURE, EDGE OF PAVEMENT, ADJACENT TRENCH, OR OTHER PAVING JOIN LINE, THE COLD MILL SHALL BE EXTENDED TO THE EXISTING STRUCTURE, JOIN LINE, OR EDGE OF PAVEMENT.
3. ANY STREET TRENCH 7 FEET IN WIDTH OR GREATER AND LONGER THAN 100 FEET IN OVERALL LENGTH SHALL BE RECONSTRUCTED AS DIRECTED BY AGENCY.

TYPE D NOTES:

1. ALL AREAS OF EXISTING AC LESS THAN 48" WIDE REMAINING AFTER TRENCHING SHALL BE COLD MILLED AND PAVED PER TYPE D – PHASE II FINISH PAVING DETAIL.
2. PHASE II PAVING SHALL BE COMPLETED NOT EARLIER THAN 14 CALENDAR DAYS AND NOT LATER THAN 75 CALENDAR DAYS AFTER PHASE I PAVING.

Revision	By	Approved	Date
ORIGINAL	MR	MR/CV	03/13
REVIEWED	CV	CV	12/15
Reviewed	RP	S. Engedo	03/22

SAN DIEGO REGIONAL STANDARD DRAWING

TRENCH RESURFACING NOTES AND DETAILS

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE
Chairperson R.C.E. 52241 03/24/2022 Date

DRAWING NUMBER **G-24B**

29 ASPHALT CONCRETE TRENCH RESURFACING

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
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REGISTERED PROFESSIONAL ENGINEER DANIEL QUINONES NO. 92310 EXP. 6-30-27 STATE OF CALIFORNIA
2/9/2026
ARCHITECT / CONSULTANT STAMP

Nasland
Civil Engineering • Surveying • Land Planning
4740 Ruffner Street, San Diego, CA 92111
(858) 292-7770 • nasland.com
CONSULTANT LOGO

NE JOB NO. 124–029.1

SWEETWATER UNION HIGH SCHOOL DISTRICT
CLIENT LOGO

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEET WATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	BR,VO
Checked By	:	DQ
Revisions	:	

DETAILS

C5.6

DATE: 09:39 PM

RANCHO DEL REY MIDDLE SCHOOL

SITE REHABILITATION SET

Sheet List Table	
Sheet Number	Sheet Title
L000	COVER SHEET
L010	ORIENTATION PLAN
L020	DEMO AND PROTECTION NOTES AND SCHEDULE
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L022	DEMO AND PROTECTION PLAN
L023	DEMO AND PROTECTION PLAN
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L030	SHADE CALCULATIONS
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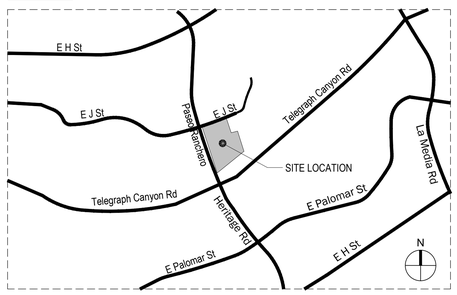
L300	PLANTING NOTES AND SCHEDULE
L301	PLANTING PLAN
L302	PLANTING PLAN
L303	PLANTING PLAN
L304	PLANTING PLAN
L310	PLANTING DETAILS

DESIGN STATEMENT:
RANCHO DEL REY MIDDLE SCHOOL IS REPLACING EXISTING PLANTING AREAS WITH MORE DROUGHT TOLERANT PLANT MATERIAL AND ARTIFICIAL TURF IN KEY AREAS. THE EXISTING IRRIGATION SYSTEM IS TO REMAIN WITH THE EXCEPTION OF THE REPLACEMENT OF EXISTING IRRIGATION VALVES AND POP-UP RISERS, BODIES, AND HEADS. NEW LATERAL LINES ARE TO BE INSTALLED ONLY WHERE NEEDED AND ARE SHOWN IN THIS SET. ALL EXISTING LATERAL LINES AND MAINLINES ARE SHOWN FOR CONTEXT.

VICINITY MAP



ADDRESS: 1174 E. J STREET, CHULA VISTA, CA 91910

DECLARATION OF RESPONSIBLE CHARGE / LANDSCAPE WATER CONSERVATION STATEMENT

I HEREBY DECLARE THAT I AM THE LANDSCAPE ARCHITECT OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF THE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF CHULA VISTA, OTAY WATER DISTRICT, AND THE SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH AND QUALITY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS LANDSCAPE ARCHITECT OF WORK OF MY RESPONSIBILITY FOR PROJECT DESIGN. I AM FAMILIAR WITH AND AGREE TO COMPLY WITH THE REQUIREMENTS FOR LANDSCAPE IMPROVEMENT PLANS AS DESCRIBED IN CHAPTER 20.12 OF THE MUNICIPAL CODE. I HAVE PREPARED THIS PLAN IN COMPLIANCE WITH THOSE REGULATIONS. I CERTIFY THAT THE PLAN IMPLEMENTS THE REGULATIONS TO PROVIDE EFFICIENT LANDSCAPE WATER USE.

Name: David Mccullough
Name of Firm: Mccullough Landscape Architecture
Address: 3605-B Fifth Ave, San Diego, CA 92103

Signature: Date: 07/03/2025

Registration No. 4048 Exp. Date: 12/31/2026

INSPECTION NOTE

THE OTAY WATER DISTRICT SHALL BE NOTIFIED FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (619) 670-2244. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

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ARCHITECTS
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LICENSED LANDSCAPE ARCHITECT — DAVID W. MCCULLOUGH — STATE OF CALIFORNIA
Signature
12/31/2026
Renewal Date
2/9/2026
Date

McCullough
landscape architecture
environmental planning
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McCulloughLA.com
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SWEETWATER UNION HIGH SCHOOL DISTRICT

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

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COVER SHEET

L000

DSA BACKCHECK

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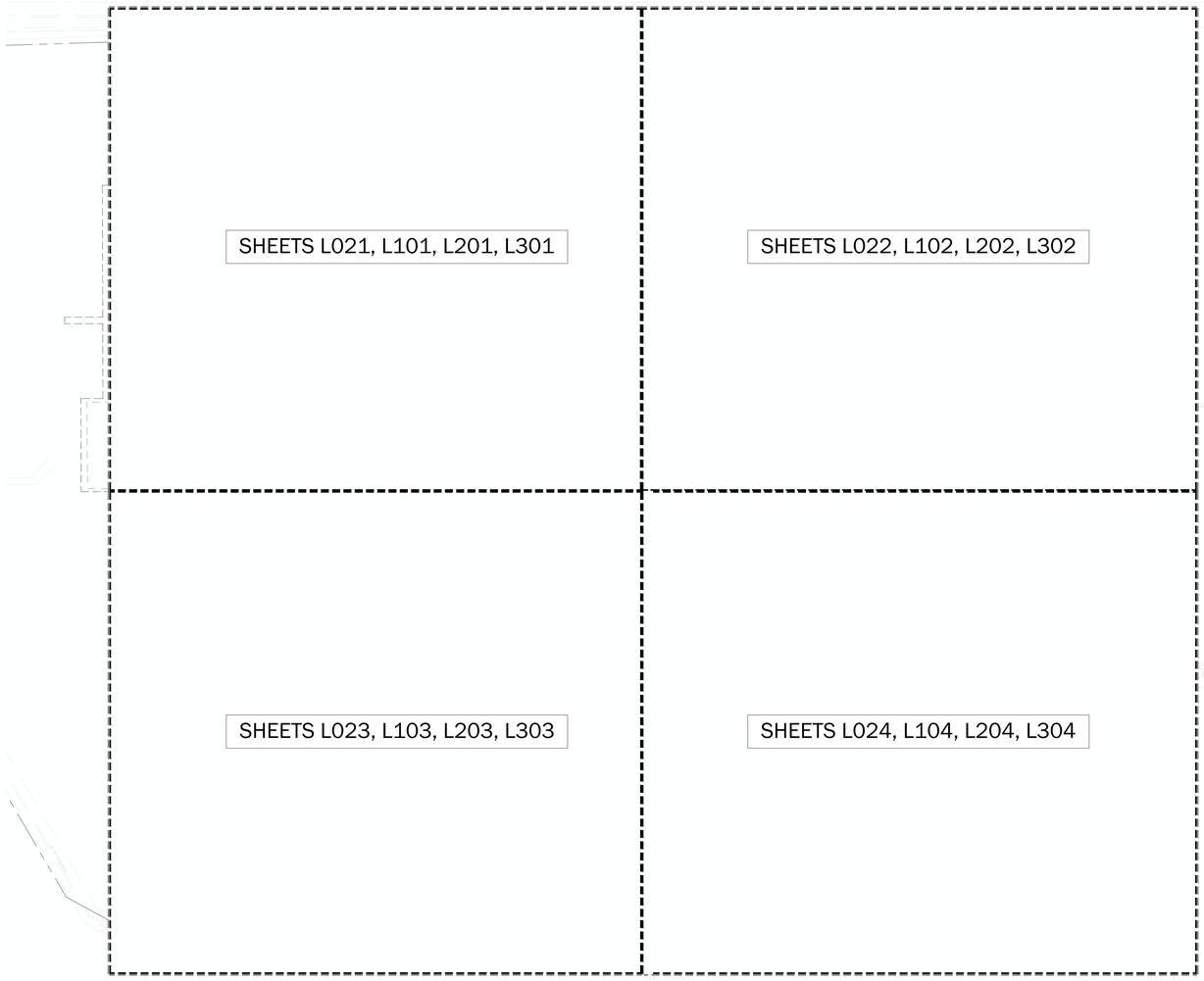

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GREG W. MCCULLOUGH
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Revisions	:	

ORIENTATION PLAN

L010

0 64 128 192 256 feet
1" = 64'

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DEMOLITION NOTES:

1. REMOVE ITEMS NOT REQUIRED FOR FILL OR RE-USE FROM THE JOB SITE, AND DISPOSE OF IN ACCORDANCE WITH LOCAL CODES AT NO ADDITIONAL COST TO AGENCY. DO NOT BURN RUBBISH OR DEBRIS.
2. ANY DAMAGE TO EXISTING PLANT MATERIAL OR HARDSCAPE ELEMENTS THAT ARE TO REMAIN (I.E., CURBS, WALLS, ADJACENT PROPERTY, ETC.) SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE AGENCY.
3. ALL SURFACES WHERE GROUND COVER HAS BEEN REMOVED SHALL BE GRUBBED AND BROUGHT TO A CONSISTENT GRADE WITH NO IRREGULARITIES, TO THE SATISFACTION OF THE AGENCY.
4. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITY LINES, PIPES, VAULTS, OR BOXES PRIOR TO ANY EXCAVATION. NOTIFY CITY IMMEDIATELY AND REPAIR ANY SUCH DAMAGED ITEMS IF DAMAGED. REPAIRS SHALL BE MADE AT NO ADDITIONAL COST TO THE AGENCY.
5. THE CONTRACTOR SHALL NOTIFY AGENCY'S AUTHORIZED REPRESENTATIVE IMMEDIATELY IF FIELD CONDITIONS SHOULD VARY FROM THOSE SHOWN ON PLAN.
6. LOCATIONS OF EXISTING SITE ELEMENTS, WHEN SHOWN, ARE APPROXIMATE. NOTIFY THE AGENCY'S AUTHORIZED REPRESENTATIVE IMMEDIATELY IF THE LOCATION OF THESE ITEMS INTERFERES WITH THE PROPER EXECUTION OF WORK.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND CAPPING ALL EXISTING IRRIGATION (MAIN AND LATERAL) LINES AFFECTED BY DEMOLITION OR GRADING.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL DEMOLISHED IRRIGATION LINES IN ACCORDANCE WITH LOCAL CODES AT NO ADDITIONAL EXPENSE TO THE AGENCY.
9. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING BID TO VISIT THE SITE PRIOR TO SUBMITTING BID.
10. NOTE SITE AND ACCESS CONDITIONS. THE CONTRACTOR SHALL TAKE THESE CONDITIONS INTO ACCOUNT WHEN PREPARING BIDS.
11. CLEAR SITE TO LIMIT OF WORK AND TO THE CORRECT DEPTH OF: GRASS, WEEDS, RUBBISH, DEBRIS, PAVEMENT, CONCRETE, INACTIVE OR ABANDONED FACILITIES (VERIFIED BY THE AGENCY'S AUTHORIZED REPRESENTATIVE.) ETC. THAT ARE TO BE REMOVED FOR CONSTRUCTION OF IMPROVEMENTS.
12. ALL DELETERIOUS MATERIALS WITHIN THE LIMITS OF WORK SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR IN A MANNER CONSISTENT WITH ALL LOCAL CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS AND PAY FOR ALL RELATED COSTS.
13. REQUIRED UTILITIES SHALL BE MAINTAINED IN OPERATION CONDITION DURING THE ENTIRE PERIOD OF WORK. ACTIVE UTILITIES SHALL BE PROTECTED IN PLACE BY AND AT THE EXPENSE OF THE CONTRACTOR.
14. ABANDONED UNDERGROUND UTILITIES (VERIFIED BY THE AGENCY'S AUTHORIZED REPRESENTATIVE), ROOTS (LARGER THAN 3" IN DIAMETER), ROCKS AND MASONRY LARGER THAN 4" SHALL BE REMOVED TO A MINIMUM DEPTH OF 12" BELOW THE FINISHED SURFACE.
15. THE CONTRACTOR SHALL COMPLY WITH SOILS REPORT FOR CLEARING AND GRUBBING REQUIREMENTS.

TREE PROTECTION NOTES:

LARGE ELEMENTS LIKE TREES ARE SLOW TO ADJUST TO CHANGES IN THEIR ENVIRONMENT. TYPICALLY THE MOST DAMAGING IMPACTS TO TREES ARE FROM LOSS OF ROOTS, REDUCED WATER AVAILABILITY AND CHANGES IN SOIL LEVEL OR GRADE. THESE CHANGES RESULT IN A SLOW DECLINE OF TREES HEALTH OVER MANY YEARS AND OFTEN IS IRREVERSIBLE. IF A ROOT OR TREE CONFLICT OCCURS THE LANDSCAPE ARCHITECT MUST BE CONTACTED SO THAT APPROPRIATE ACTION IS TAKEN TO RESOLVE THE CONFLICT.

CONSTRUCTION IMPACTS ARE GENERALLY AS FOLLOWS:

COMPACTION - SOIL MUST BE POROUS TO ALLOW WATER AND AIR TO BE AVAILABLE TO ROOTS. COMPACTED SOIL WHILE REQUIRED FOR STRUCTURAL BUILDING DOES REDUCE OR ELIMINATE THE ROOT GROWTH REQUIREMENTS OF AN EFFECTIVE ROOTING AREA.

DRAINAGE - SOIL MOISTURE CAN BE AFFECTED BY ALTERED DRAINAGE PATTERNS. TOO MUCH OR TOO LITTLE SOIL MOISTURE CAN HAVE A DETRIMENTAL EFFECT ON TREE ROOT GROWTH AND TREE ANCHORAGE AS WELL AS TREE HEALTH.

GRADE CHANGES - ADDING SOIL OVER EXISTING ROOTS OF TREES IS DETRIMENTAL TO THEIR HEALTH. REMOVING SOIL AND THE ROOTS IT CONTAINS IS ALSO DETRIMENTAL TO TREE HEALTH. THE TREES WILL DECLINE AND DIE OVER A PERIOD OF YEARS. PAST PRACTICES WITH TREE WELLS AND TREE ISLANDS HAVE NOT PROVEN EFFECTIVE AS A TREE PRESERVATION METHOD.

TREE ROOT DAMAGE - TREE ROOT DAMAGE USUALLY RESULTS FROM EXCAVATING, SOIL TRENCHING AND GRADE CHANGES. WHEN ROOTS ARE ENCOUNTERED THEY SHOULD NOT BE PULLED OR TORN OUT IF THEY ARE ATTACHED TO A PRESERVED TREE. ROOTS OVER 1 INCH IN DIAMETER WITHIN A RADIUS OF 8 FEET OF A PROTECTED TREE WILL REQUIRE DISCUSSION WITH THE LANDSCAPE ARCHITECT TO DETERMINE IMPACT OF LOSS. WHEN ROOT PRUNING IS REQUIRED, ROOTS SHALL BE SQUARE CUT IN A PROPER MANNER TO AVOID FRAYED ENDS. THIS REDUCES DECAY AND PROMOTES FASTER CLOSURE AND RE-GROWTH. WOUND DRESSING MATERIAL IS NOT REQUIRED. DURING HARDSCAPE, WALKWAYS, ETC. REMOVAL, PLEASE ARRANGE FOR A LANDSCAPE ARCHITECT TO BE PRESENT TO ENSURE THAT ANY ROOT REMOVAL DOES NOT CREATE UNNECESSARY IMPACT OF TREES TO BE PRESERVED.

TREE PHYSICAL INJURY - THIS OCCURS FROM DIRECT EQUIPMENT IMPACT AND CULTURAL CHANGES TO SOIL MOISTURE OR CHEMICAL / PETROL CONTAMINATION TO SOIL. MAINTAINING SUFFICIENT CLEARANCE AWAY FROM THE TREE WILL REDUCE THE DIRECT IMPACT FROM EQUIPMENT. IF OVERHEAD CLEARANCE IS REQUIRED CONTACT THE LANDSCAPE ARCHITECT FOR RESOLUTION.

THE FOLLOWING GUIDELINES ARE NECESSARY TO PROTECT TREES DURING CONSTRUCTION PROJECTS:

1. WHERE FEASIBLE, A ROOT PROTECTION ZONE SHALL BE DEFINED BY A FOUR-FOOT HIGH TWO-BY-FOUR BARRIER CONSTRUCTED AROUND ANY POTENTIALLY IMPACTED TREE. THIS BARRIER SHALL BE AT THE DRIP LINE OR AT A DISTANCE FROM THE TRUNK EQUAL TO 6 INCHES FOR EACH INCH OF TRUNK DIAMETER 4 1/2 FEET ABOVE THE GROUND IF THIS METHOD DEFINES A LARGER AREA.
2. SHOULD IT BE NECESSARY TO TRENCH WITHIN THE 8 FT RADIUS OF TREE, TRENCHES SHALL BE HAND DUG. NO ROOTS LARGER THAN ONE INCH SHALL BE CUT UNLESS NO OTHER ALTERNATIVE IS FEASIBLE. ALL SMALLER ROOTS THAT MUST BE CUT SHALL BE SAW CUT (NO TRENCHERS) FLUSH WITH THE SIDE OF THE TRENCH. IF AT ANY TIME 25 PERCENT OF THE AREA WITHIN THE ROOT PROTECTION ZONE IS BEING SEPARATED FROM THE TREES BY A TRENCH, THE LINE SHALL BE LOCATED BY BORING OR AN ALTERNATIVE LOCATION FOR THE TRENCH ESTABLISHED. THE MINIMUM CLEARANCE BETWEEN AN OPEN TRENCH AND A STREET TREE SHALL BE ONE (1) FOOT, OR SIX (6) INCHES FOR EACH INCH OF TRUNK DIAMETER MEASURED AT 4.5 FEET ABOVE EXISTING GRADE IF THIS METHOD DEFINES A LARGER DISTANCE. THE MAXIMUM CLEARANCE SHALL BE TEN (10) FEET. THE CONTRACTOR SHALL CONFORM TO THESE PROVISIONS UNLESS OTHERWISE DIRECTED OTHERWISE.
3. AT NO TIME SHALL ANY EQUIPMENT, MATERIALS, SUPPLIES OR FILL BE ALLOWED WITHIN THE PRESCRIBED ROOT PROTECTION ZONE UNLESS OTHERWISE DIRECTED. THE ROOT PROTECTION ZONE IS DEFINED AS THE LARGER OF THE DRIP LINE OF THE TREE OR THE DISTANCE FROM THE TRUNK EQUAL TO SIX (6) INCHES FOR EACH INCH OF TRUNK DIAMETER MEASURED AT 4.5 FEET ABOVE EXISTING GRADE.
4. WHEN DEALING WITH COLUMNAR TREE SPECIES THE DRIP LINE AND ROOT PROTECTION ZONE IS INADEQUATE AND MUST BE ADJUSTED TO REFLECT A ROOT PROTECTION RADIUS OF 40% OF THE OVERALL TREE HEIGHT.

EXISTING TREE MAINTENANCE NOTE:

CARE SHALL BE USED DURING THE DEMOLITION AND CONSTRUCTION PROCESS TO ENSURE THAT EXISTING TREES TO REMAIN ARE PROPERLY MAINTAINED. CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION FENCING AROUND EACH EXISTING TREE TO REMAIN. TREES SHALL BE PROPERLY IRRIGATED AND KEPT IN A HEALTHY GROWING CONDITION.

EXISTING TREE AND LANDSCAPE REFERENCE SCHEDULE

●	EXISTING TREE TO REMAIN EXISTING TREES THAT ARE TO REMAIN; EXISTING TREES TO BE THINNED OUT AND TRIMMED AS NEEDED, PER DISTRICT APPROVAL	131
⊗	EXISTING TREE TO REMOVE EXISTING TREES TO BE REMOVED.	27
▨	LANDSCAPE AREA TO BE CLEARED AND GRUBBED SHRUB OR TURF AREAS TO BE CLEARED AND GRUBBED OF ANY EXISTING PLANT MATERIAL, WEEDS, MULCH, ETC.	225,110 SF

REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION	QTY	COMMENT
EXISTING TO REMAIN			
E-102	STORAGE CONTAINER TO REMAIN	1	PROTECT IN PLACE
EXISTING TO BE RELOCATED			
ER-101	EXISTING BENCH	2	SALVAGE & REINSTALL
EXISTING TO BE REMOVED			
EX-102	STORAGE CONTAINER TO BE REMOVED	1	REMOVE STORAGE CONTAINER

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LICENSED LANDSCAPE ARCHITECT
JAMES W. MCCULLOUGH
Signature
12/31/2026
Renewal Date
2/9/2026
Date
STATE OF CALIFORNIA

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DEMO AND PROTECTION NOTES AND SCHEDULE

L020

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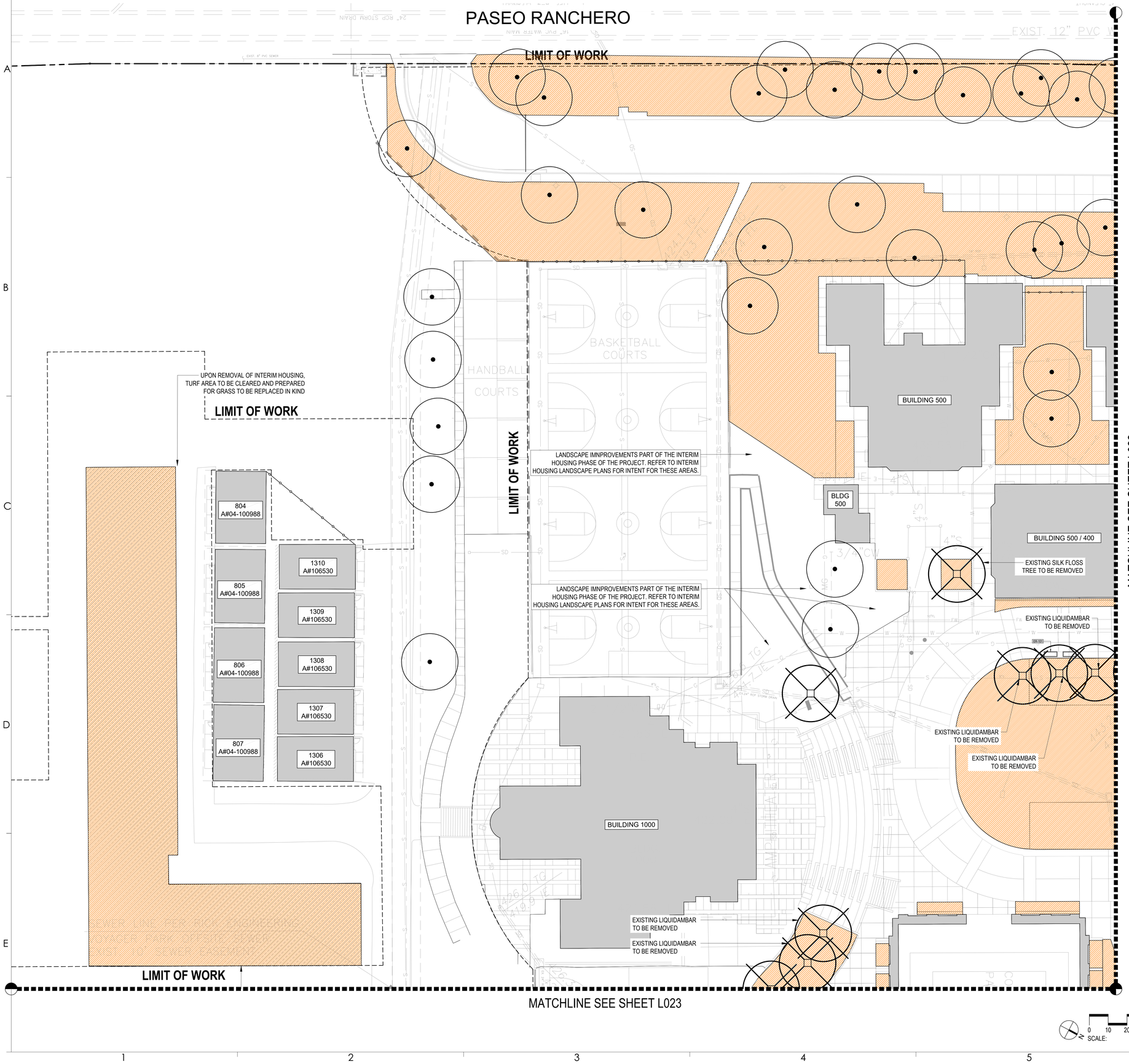


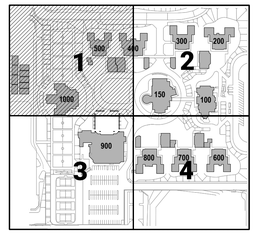
EXISTING TREE AND LANDSCAPE REFERENCE SCHEDULE - 1

	EXISTING TREE TO REMAIN EXISTING TREES THAT ARE TO REMAIN; EXISTING TREES TO BE THINNED OUT AND TRIMMED AS NEEDED, PER DISTRICT APPROVAL	30
	EXISTING TREE TO REMOVE EXISTING TREES TO BE REMOVED.	7
	LANDSCAPE AREA TO BE CLEARED AND GRUBBED SHRUB OR TURF AREAS TO BE CLEARED AND GRUBBED OF ANY EXISTING PLANT MATERIAL, WEEDS, MULCH, ETC.	67,170 SF

REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION	QTY	COMMENT
EXISTING TO BE RELOCATED			
ER-101	EXISTING BENCH	2	SALVAGE & REINSTALL

KEY PLAN



SCALE: 0 10 20 40 — 1"=20'-0"

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Signature
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SWEETWATER UNION HIGH SCHOOL DISTRICT

DSA BACKCHECK

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DEMO AND PROTECTION PLAN

L021

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PASEO RANCHERO

LIMIT OF WORK

EXISTING TIPUANA TIPU TO BE REMOVED

EXISTING TIPUANA TIPU TO BE REMOVED

EXISTING TIPUANA TIPU TO BE REMOVED

EXISTING TIPUANA TIPU TO BE REMOVED

BUILDING 400

EXISTING TIPUANA TIPU TO BE REMOVED

BUILDING 300

EXISTING TIPUANA TIPU TO BE REMOVED

EXISTING TIPUANA TIPU TO BE REMOVED

BUILDING 200

BLDG 400

BLDG 300

BUILDING 300

EXISTING LIQUIDAMBAR TO BE REMOVED

EXISTING DEAD TREE TO BE REMOVED

EXISTING LIQUIDAMBAR TO BE REMOVED

BUILDING 150

BUILDING 100 ADMINISTRATION

EXISTING LIQUIDAMBAR TO BE REMOVED

EXISTING PLANTERS AND BUILT-IN BENCHES TO BE REMOVED

EXISTING LIQUIDAMBAR TO BE REMOVED

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EXISTING LIQUIDAMBAR TO BE REMOVED

EXISTING LIQUIDAMBAR TO BE REMOVED

E. J STREET

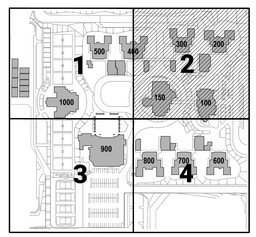
MATCHLINE SEE SHEET L021

MATCHLINE SEE SHEET L024

EXISTING TREE AND LANDSCAPE REFERENCE SCHEDULE -2

EXISTING TREE TO REMAIN EXISTING TREES THAT ARE TO REMAIN; EXISTING TREES TO BE THINNED OUT AND TRIMMED AS NEEDED, PER DISTRICT APPROVAL	51
EXISTING TREE TO REMOVE EXISTING TREES TO BE REMOVED.	17
LANDSCAPE AREA TO BE CLEARED AND GRUBBED SHRUB OR TURF AREAS TO BE CLEARED AND GRUBBED OF ANY EXISTING PLANT MATERIAL, WEEDS, MULCH, ETC.	98,971 SF

KEY PLAN



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

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PH. 619.296.3150

SWEETWATER UNION HIGH SCHOOL DISTRICT

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number:		24203.10
Date	:	09-05-2025
Drawn By	:	AC
Checked By	:	ZM
Revisions	:	

DEMO AND PROTECTION PLAN

L022

DSA BACKCHECK

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MATCHLINE SEE SHEET L021

LIMIT OF WORK

UPON REMOVAL OF INTERIM HOUSING, AREA TO BE CLEARED AND PREPARED FOR GRASS TO BE REPLACED IN KIND

BALL FIELDS

LIMIT OF WORK

EXISTING LIQUIDAMBAR TO BE REMOVED

BASKETBALL COURTS

COVERED PAVILION

BUILDING 900

NEW CURB PER CIVIL

EXISTING TIPUANA TIPU TO BE REMOVED

LIMIT OF WORK

TENNIS COURTS OR SPEED SOCCER

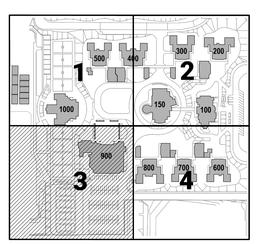
21" RCP STORM DRAIN

MATCHLINE SEE SHEET L024

EXISTING TREE AND LANDSCAPE REFERENCE SCHEDULE - 3

	EXISTING TREE TO REMAIN EXISTING TREES THAT ARE TO REMAIN; EXISTING TREES TO BE THINNED OUT AND TRIMMED AS NEEDED, PER DISTRICT APPROVAL	22
	EXISTING TREE TO REMOVE EXISTING TREES TO BE REMOVED.	2
	LANDSCAPE AREA TO BE CLEARED AND GRUBBED SHRUB OR TURF AREAS TO BE CLEARED AND GRUBBED OF ANY EXISTING PLANT MATERIAL, WEEDS, MULCH, ETC.	8,315 SF

SCALE: 1"=20'-0" (0, 10, 20, 40)



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
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All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED LANDSCAPE ARCHITECT
GREGORY MCCULLOUGH
Signature
12/31/2026
Renewal Date
2/9/2026
Date
STATE OF CALIFORNIA

McCullough
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DEMO AND PROTECTION PLAN

L023

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MATCHLINE SEE SHEET L022

EXISTING CURB TO BE REMOVED

EXISTING CURB TO BE REMOVED

EXISTING DEAD TREE TO BE REMOVED

BLDG 800

BUILDING 800

BUILDING 700 / 600

EXISTING DEAD TREE TO BE REMOVED.

BUILDING 800

EXISTING CALIFORNIA NATIVE SPECIES TO REMAIN; CLEARING AND GRUBBING TO OCCUR UP TO THE DRIPLINE OF EACH CALIFORNIA NATIVE SPECIES.

BUILDING 700

BUILDING 600

LIMIT OF WORK

E. J STREET

LIMIT OF WORK

LIMIT OF WORK

LIMIT OF WORK

MATCHLINE SEE SHEET L023

EXISTING TREE AND LANDSCAPE REFERENCE SCHEDULE - 4

	EXISTING TREE TO REMAIN EXISTING TREES THAT ARE TO REMAIN; EXISTING TREES TO BE THINNED OUT AND TRIMMED AS NEEDED, PER DISTRICT APPROVAL	28
	EXISTING TREE TO REMOVE EXISTING TREES TO BE REMOVED.	1
	LANDSCAPE AREA TO BE CLEARED AND GRUBBED SHRUB OR TURF AREAS TO BE CLEARED AND GRUBBED OF ANY EXISTING PLANT MATERIAL, WEEDS, MULCH, ETC.	50,841 SF

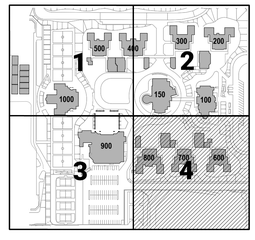
REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION	QTY	COMMENT
EXISTING TO REMAIN			
E-102	STORAGE CONTAINER TO REMAIN	1	PROTECT IN PLACE
EXISTING TO BE REMOVED			
EX-102	STORAGE CONTAINER TO BE REMOVED	1	REMOVE STORAGE CONTAINER

N

0 10 20 40

SCALE: 1"=20'-0"



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DEMO AND PROTECTION PLAN

L024

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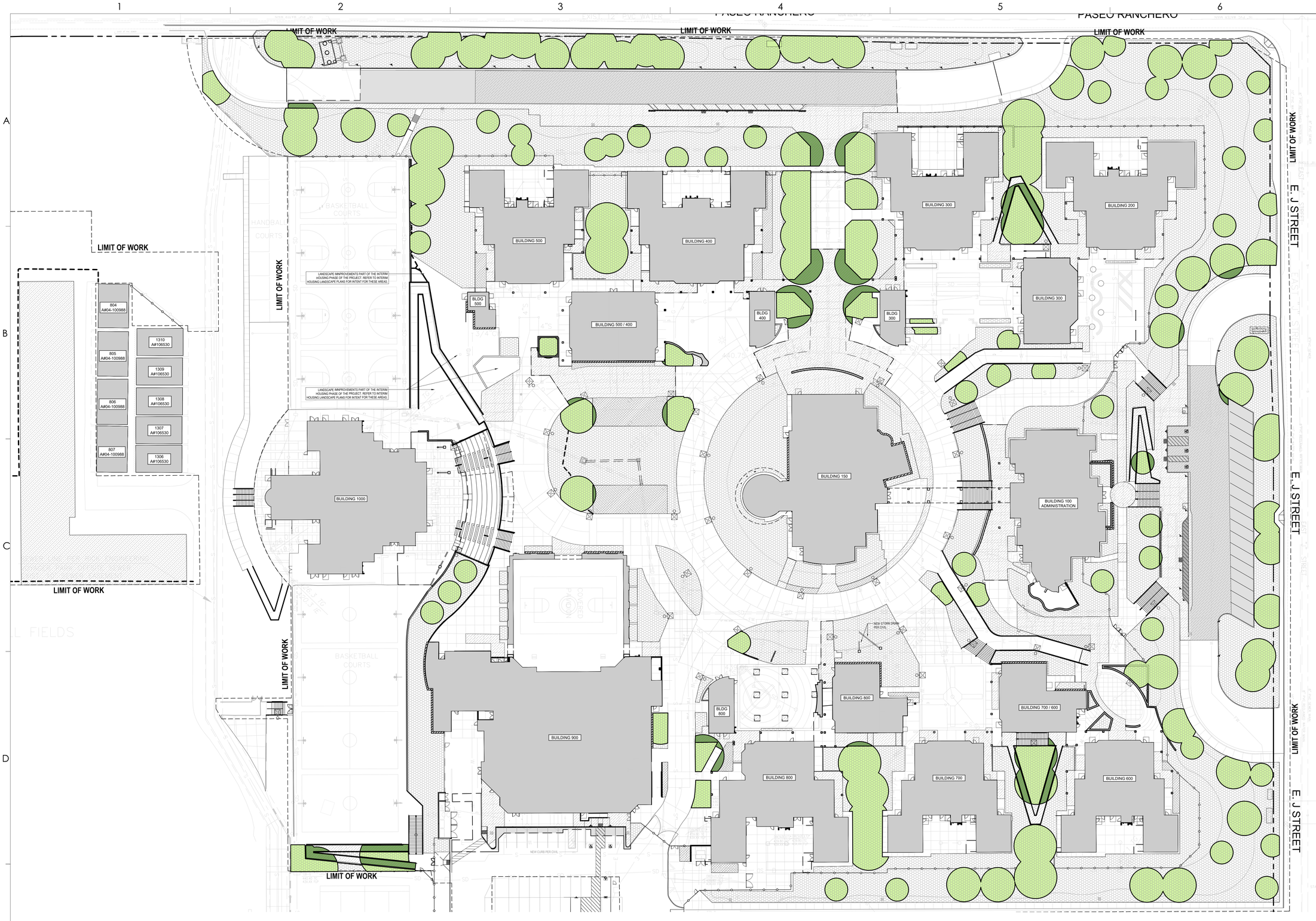

CALGREEN CALCULATIONS SCHEDULE			
SYMBOL	DESCRIPTION	QTY	COMMENT
REFERENCE SCHEDULE			
	LANDSCAPE AREAS	201,858 SF	TREES, SHRUBS, AND GROUNDCOVERS
	HARDSCAPE AREAS	77,723 SF	CALGREEN CONCRETE AREAS PER CIVIL
	CANOPY COVERAGE OVER LANDSCAPE AREAS	104,255 SF	TREE CANOPIES SHOWN AT 15 YR. MATURITY
	CANOPY COVERAGE OVER HARDSCAPE AREAS	13,477 SF	TREES SHOWN AT 15 YR. MATURITY

TOTAL SHADED LANDSCAPE AREA = 52%
TOTAL SHADED HARDSCAPE AREA = 17%

0 32 64 96 128 feet
1" = 32'

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SHADE CALCULATIONS

L030

DSA BACKCHECK

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GENERAL NOTES:
THE FOLLOWING GENERAL NOTES ARE PROVIDED BY THE LANDSCAPE ARCHITECT WITH THE INTENTION OF PROVIDING OVERALL DIRECTIONS FOR THE CONTRACTOR. THE PERMITTING AGENCY'S SIGNATURE/STAMP ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF ANY OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

1. CONTRACTOR SHALL COORDINATE LANDSCAPE WORK WITH THE WORK OF OTHER TRADES AND PROFESSIONS PRESENT ON SITE. CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE THROUGHOUT THE ENTIRE CONSTRUCTION CYCLE.
   1.1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF EXISTING AND PROPOSED UTILITIES WITHIN THE PROJECT LIMITS WHICH MAY BE AFFECTED BY INSTALLATION. IMMEDIATELY CONTACT THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE IN THE CASE OF A CONFLICT.
2. CONTRACTOR SHALL VERIFY WITH THE LANDSCAPE ARCHITECT / OWNER'S REPRESENTATIVE THAT PLANS IN HAND ARE CURRENT AND APPROVED.
   2.1. DO NOT SCALE DRAWINGS
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND AND NOTIFY LANDSCAPE ARCHITECT / OWNER'S AUTHORIZED REPRESENTATIVE IMMEDIATELY SHOULD FIELD CONDITIONS VARY FROM THOSE SHOWN ON PLAN. DISCREPANCIES IN THE DRAWINGS OR BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY. CORRECTED DRAWINGS OR INSTRUCTIONS SHALL BE ISSUED PRIOR TO THE CONTINUATION OF THIS WORK. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY CORRECTIONS DUE TO FAILURE TO REPORT KNOWN DISCREPANCIES.
4. ALL WORK CONSTRUCTION AND MATERIALS SHALL COMPLY WITH ALL PROVISIONS OF THE LATEST BUILDING CODE AND WITH OTHER RULES, REGULATIONS AND ORDINANCES GOVERNING THE PLACE OF THE WORK. BUILDING CODE REQUIREMENTS TAKE PRECEDENCE OVER THE DRAWINGS AND IT SHALL BE THE RESPONSIBILITY OF ANYONE SUPPLYING LABOR OR MATERIALS OR BOTH TO BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT ANY DISCREPANCIES OR CONFLICT BETWEEN THE REQUIREMENTS OF THE CODE AND THE DRAWINGS.
5. REFERENCE TO ANY DETAIL OR DRAWING IS FOR CONVENIENCE ONLY AND DOES NOT LIMIT THE APPLICATION OF SUCH DETAIL OR DRAWINGS.
6. THE CONTRACTOR SHALL OBTAIN NECESSARY AND / OR REQUIRED PERMITS AND PAY ALL RELATED FEES AND / OR TAXES REQUIRED TO INSTALL THE WORK ON THESE PLANS.
7. THE CONTRACTOR SHALL BE APPROPRIATELY LICENSED AS REQUIRED BY THE STATE IN WHICH THE WORK IS TO TAKE PLACE.
8. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL WORK SHOWN ON THESE DRAWINGS AND SPECIFICATIONS UNLESS SPECIFICALLY NOTED OTHERWISE.
9. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED LANDSCAPE UNLESS OTHERWISE SHOWN; THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVES OF THE LANDSCAPE ARCHITECT AND HIS ENGINEERS SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES REQUIRED FOR SAME, WHICH ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR. ANY SUPPORT SERVICES PERFORMED BY THE LANDSCAPE ARCHITECT AND HIS AGENTS DURING CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES, WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE LANDSCAPE ARCHITECT AND HIS AGENTS, WHETHER OF MATERIAL OR WORK, AND WHETHER PERFORMED TO, DURING OR AFTER COMPLETION OF CONSTRUCTION ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DRAWINGS AND SPECIFICATIONS, BUT THEY DO NOT GUARANTEE GENERAL CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
10. A PROTECTION FENCE SHALL BE CONSTRUCTED AND MAINTAINED DURING CONSTRUCTION CONFORMING TO THE REQUIREMENTS OF THE BUILDING CODE.
11. MAINTAIN SANITARY TOILET FACILITIES DURING CONSTRUCTION AS REQUIRED BY APPLICABLE REGULATIONS.
12. THE GENERAL CONTRACTOR WARRANTS TO THE OWNER AND THE LANDSCAPE ARCHITECT THAT ALL MATERIALS AND EQUIPMENT FURNISHED WILL BE NEW UNLESS OTHERWISE SPECIFIED AND THAT ALL WORK WILL BE OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS.
13. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK AND/OR EQUIPMENT SUPPLIED BY THE OWNER.
14. PROVIDE FACILITIES FOR THE PHYSICALLY HANDICAPPED IN ACCORDANCE WITH C.A.C. TITLE 24 AND AS REQUIRED BY THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE (IBC).
15. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE GENERAL CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE EXECUTION OF THIS WORK.
16. PAVING, MASONRY AND CONCRETE SUBCONTRACTORS ARE TO COORDINATE WITH THE ELECTRICIAN, DRAIN LINE SUBCONTRACTOR AND IRRIGATION SUBCONTRACTOR FOR SLEEVING, PIPING AND/OR CONDUIT INSTALLATION UNDER OR THROUGH HARDSCAPE ELEMENTS.
17. GENERAL CONTRACTOR SHALL VERIFY ALL PROPERTY LINES OR OTHER LIMIT OF WORK LINES PRIOR TO COMMENCING WORK.
18. IN THE CASE OF DISCREPANCIES IN THE DRAWINGS, SPECIFICATIONS TAKE PRECEDENCE OVER DETAILS, AND DETAILS TAKE PRECEDENCE OVER PLANS.
19. SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE PROJECT LANDSCAPE ARCHITECT.
20. THE GENERAL CONTRACTOR SHALL ENSURE THAT ALL TRADES ARE PROVIDED WITH CURRENT DRAWINGS AND SPECIFICATIONS APPROVED FOR CONSTRUCTION. DO NOT ALLOW DOCUMENTS NOT APPROVED FOR CONSTRUCTION TO BE USED IF SEEN ON SITE.
21. ALL LOCAL, MUNICIPAL, COUNTY AND STATE REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF WORK ARE HEREBY INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS TO BE CARRIED OUT BY THE CONTRACTOR.

JOINT LAYOUT NOTES:
1. WHENEVER POSSIBLE, JOINTS SHALL BE ALIGNED WITH FACE OF WALL, MULLION, PAVING INTERSECTION, OR OTHER OBVIOUS ARCHITECTURAL FEATURE. CONTRACTOR SHALL COORDINATE IN FIELD BY CHALKING JOINT LINES WITH PROJECT LANDSCAPE ARCHITECT PRIOR TO FINAL CUT AND FABRICATION, TYP.
2. INSTALL EXPANSION JOINTS AT ALL INSTANCES WHERE CONCRETE PAVING ABUTS A VERTICAL SURFACE, TYP.
3. ALL SAW CUT JOINTS SHALL BE A WIDTH OF 1/8"; RE: SPECIFICATIONS
4. ALL EXPANSION JOINTS SHALL BE A WIDTH OF 3/16". RE: SPECIFICATIONS

CONSTRUCTION NOTES:
THE FOLLOWING CONSTRUCTION AND DESIGN LAYOUT NOTES ARE PROVIDED BY THE LANDSCAPE ARCHITECT WITH THE INTENTION OF PROVIDING GENERAL DIRECTIONS TO THE CONTRACTOR FOR THE INSTALLATION OF HARDSCAPE AND RELATED MATERIALS.

1. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, LAYOUT, AND WORK FROM PREVIOUS, AS WELL AS, ONGOING CONTRACTS / CONSULTANTS IN THE FIELD. CONTRACTOR SHALL REPORT AND DISCREPANCIES TO THE LANDSCAPE ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH THAT PORTION OF WORK.
2. CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE OF THE LAYOUT OF ALL ELEMENTS, AS SHOWN. CONTRACTOR SHALL STAKE ALL LOCATIONS AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
3. CONTRACTOR SHALL VERIFY THE LAYOUT OF ALL MATERIALS IN THE FIELD FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO: PAVING, BOLLARDS, TREE GRATES, LIGHT POLE BASES, FOUNTAINS, STEPS, SEATS, AND WALLS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING HARDSCAPE AND OTHER IMPROVEMENTS OUTSIDE THE LIMITS OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY DAMAGES INCURRED AS A DIRECT OR INDIRECT RESULT OF THE CONSTRUCTION PROCESS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL MEP AND IRRIGATION SLEEVING BENEATH AND THROUGH HARDSCAPE.
6. CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE OF ALL SITE LIGHTING FIXTURES, JUNCTION BOXES, TRANSFORMERS, AND PANELS. CONTRACTOR SHALL STAKE ALL LOCATIONS AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7. CONTRACTOR SHALL COORDINATE ALL LAYOUT WORK POINTS, MONUMENTS, GRID LINES, AND CONTROLS, AMONG ALL TRADES; SPECIFICALLY, BUT NOT LIMITED TO, SITE FORMATION, FLATWORK, AND WALL WORK.
8. CONTRACTOR SHALL REFER TO PAVING OR MATERIALS PLAN(S) FOR ALL FLATWORK AND WALL WORK JOINT LOCATIONS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS VERIFYING JOINT LAYOUT PRIOR TO INSTALLATION.
9. CONTRACTOR SHALL ERECT AND INSTALL ALL WORK LEVEL, PLUMB, SQUARE, TRUE, STRAIGHT, AND IN PROPER ALIGNMENT.
10. CONTRACTOR SHALL NOT SCALE DRAWINGS; CONTRACTOR SHALL USE DIMENSIONS SHOWN, TYP.
11. NO DIMENSIONS ARE ADJUSTABLE WITHOUT THE REVIEW AND APPROVAL OF LANDSCAPE ARCHITECT UNLESS NOTED [+/-] FV (FIELD VERIFY).
12. DIMENSIONS NOTED AS [CLR] CLEAR SHALL BE STRICTLY MAINTAINED ALLOWING FOR THICKNESS OF ALL FINISHES. CONTRACTOR SHALL FIELD VERIFY [FV] PRIOR TO CONSTRUCTION.
13. ALIGN MEANS ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE.
14. ALL ANGLES ARE ASSUMED TO BE 90 DEGREES UNLESS OTHERWISE NOTED IN THE PLANS.
15. ALL CURVES FOR PAVING, BANDS, PATHS, EDGING, AND HEADER BOARDS SHALL BE ALIGNED IN A SMOOTH AND CONTINUOUS FASHION AND SHALL MEET ADJACENT SURFACES AT 90 DEGREES, UNLESS OTHERWISE NOTED ON THE PLANS. ALL WALK RADII AND CURVES SHALL BE SMOOTH AND CONTINUOUS WITHOUT ABRUPT CHANGES OR BENDS UNLESS OTHERWISE SHOWN.

DESIGN MATERIAL NOTES:
THE FOLLOWING DESIGN MATERIAL NOTES ARE PROVIDED BY THE LANDSCAPE ARCHITECT WITH THE INTENTION OF PROVIDING GENERAL DIRECTIONS TO THE CONTRACTOR FOR THE INSTALLATION OF HARDSCAPE AND RELATED MATERIALS.

1. ALL FINISHED GRADES AND LANDSCAPE OPERATIONS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT DRAWINGS INCLUDING: PROJECT PLANS, DETAILS, AND SPECIFICATIONS.
2. ANY DISCREPANCIES BETWEEN DISCIPLINES, PLANS, DETAILS, AND SPECIFICATIONS SHALL BE BROUGHT TO THE LANDSCAPE ARCHITECT'S ATTENTION IMMEDIATELY PRIOR TO CONTINUANCE OF RELATED OR AFFECTED WORK.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING QUANTITIES FOR ALL MATERIALS, FIXTURES, FURNISHINGS, ETC.
4. CONTRACTOR SHALL PROVIDE PHYSICAL SAMPLES OF EACH FINISH TYPE, AND PROVIDE SHOP DRAWINGS OF ALL FABRICATED CONDITIONS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION, TYP.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL HARDSCAPE IN PLACE ONCE CONSTRUCTED AND SHALL BE HELD RESPONSIBLE FOR THE REPLACEMENT / RECONSTRUCTION / COST OF ANY HARDSCAPE OR RELATED CONSTRUCTION ELEMENTS DAMAGED, CRACKED, OR DESTROYED.
6. CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE LANDSCAPE ARCHITECT OF ALL FORMWORK OR A TYPICAL PORTION OF FORMWORK REPRESENTING SIMILAR WORK. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT OF ALL FORMWORK FOR FLATWORK AND WALL WORK PRIOR TO CONCRETE POURING.

FENCING AND GATE NOTES:
THE FOLLOWING NOTES ARE PROVIDED BY THE LANDSCAPE ARCHITECT WITH THE INTENTION OF PROVIDING GENERAL DIRECTIONS TO THE CONTRACTOR.

1. SUBMIT SHOP DRAWINGS TO LANDSCAPE ARCHITECT OF ALL FENCE AND GATE COMPONENTS INCLUDING PLANS, ELEVATIONS AND DETAILS NECESSARY FOR COMPLETE INSTALLATION.
2. ALL WELDS SHALL BE 1/8" CONTINUOUS FILLET WELDS ALL AROUND, GRIND SMOOTH. COLD GALVANIZE ALL FIELD WELDS UNLESS NOTED OTHERWISE.
3. ALL PICKETS AND POSTS SHALL HAVE WELDED METAL CAPS.
4. ALL MEMBERS TO BE 11 GAUGES MINIMUM UNLESS NOTED OTHERWISE.
5. ALL GATES AND FENCES, INCLUDING CORRUGATED METAL PANEL TO BE PAINTED, SEE CONSTRUCTION SCHEDULE FOR COLOR.
6. FOR LOCATIONS OF FENCES, POSTS AND GATES SEE PLANS AND ELEVATIONS.
7. SUBMIT SAMPLES OF ALL COMPONENTS AND MATERIALS TO LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
8. GATE HARDWARE FINISH AND COLOR TO MATCH GATE/FENCE.
9. PROVIDE FIRE DEPARTMENT APPROVED "KNOX" KEY SWITCH LOCK WHERE NECESSARY.
10. ANY COMPONENTS REQUIRED FOR A COMPLETE FENCE/GATE SYSTEM, BUT NOT SHOWN, SHOULD BE CONSIDERED A PART OF THESE DRAWINGS AND INCLUDED IN THE FINAL INSTALLED SYSTEM.
11. CONTRACTOR TO VERIFY ALL ATTACHMENTS AND DIMENSIONS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
12. ALL JOINTS TO BE WELDED TO MAKE A SOLID GATE FRAME.

GRADING AND DRAINAGE NOTES:
1. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT/OWNER'S AUTHORIZED REPRESENTATIVE IMMEDIATELY SHOULD FIELD CONDITIONS VARY FROM THOSE SHOWN ON PLAN.
2. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITY LINES, VAULTS, OR BOXES PRIOR TO EXCAVATION. ANY DAMAGE INCURRED TO ANY EXISTING UTILITY ELEMENTS SHALL BE REPAIRED PROPERLY AND IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.
3. CONTRACTOR SHALL SUBMIT A UNIT COST FOR IMPORT SOIL IN-PLACE AND SHALL BE COMPLETELY AWARE OF THE AMOUNT OF SOIL NECESSARY TO REACH THE SATISFACTORY GROUND LEVEL.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR POSITIVE DRAINAGE ON SURFACE FLOW AREAS AT 1% (MIN.) ON HARDSCAPE AND 2% (MIN.) ON GRADE UNLESS OTHERWISE INDICATED.
5. WHERE PAVING AND FINISH GRADE MEET, THE FINISH GRADE SHALL BE DEPRESSED 1" IN TURF AREAS, 1 ½" IN GROUND COVER AREAS, 3" IN CRUSHED GRAVEL AREAS, 4" IN DECOMPOSED GRANITE AREAS, AND 4" IN MULCHED PLANTING AREAS.
6. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND/OR DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE.
7. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST ADOPTED EDITION OF THE UNIFORM BUILDING CODE, THE AMERICANS WITH DISABILITIES ACT OF 1991, AND ALL OTHER APPLICABLE LOCAL AND STATE CODES, ORDINANCES, AND REGULATIONS.
8. SUB-CONTRACTORS SHALL BRING DISCREPANCIES IN PLANS, SITE CONDITIONS, AND PRIOR WORK TO THE GENERAL CONTRACTOR'S ATTENTION BEFORE ANY ADDITIONAL WORK IS PERFORMED.
9. CONTRACTOR SHALL REMOVE FROM THE SITE AND LEGALLY DISPOSE OF ALL DEBRIS AND EXCAVATED MATERIAL NOT REQUIRED FOR FILL. NO RUBBISH OR DEBRIS SHALL BE BURIED ON THE SITE.
10. SLOPE IN LAWN AREAS NOT TO EXCEED 3:1.
11. PROJECT WALKS NOT TO EXCEED A SLOPE OF 20:1 OR 5% GRADIENT.
12. SLOPE IN GROUND COVER NOT TO EXCEED 2:1.
13. RAMPS INTO BUILDINGS NOT TO EXCEED 12:1 OR 8.33%
14. SLOPE OF DRAIN LINES SHALL BE 1% MINIMUM AND 50% MAXIMUM.
15. HOLD FINISH GRADE A MINIMUM OF 6" BELOW FINISH FLOOR UNLESS OTHERWISE NOTED.
16. ALL PROPERTY LINES AND LOT LINES SHALL BE VERIFIED PRIOR TO COMMENCING WORK.
17. IF AVAILABLE, SEE CIVIL ENGINEER'S PLAN FOR PRECISE GRADING AND DRAINAGE ELEVATIONS.
18. CROSS SLOPE IN PAVED AREAS NOT TO EXCEED 2%.
19. GRADIENTS FROM RIDGE LINES AND HIGH POINTS TO DRAINS SHALL BE CONSTANT AND EVEN WITH NO ABRUPT DIPS, BUMPS AND CHANGES IN ELEVATION.

PUBLIC RIGHT OF WAY:
ANY EXISTING CONCRETE STAMPS ON EXISTING RIGHT OF WAY CONCRETE SHALL BE PRESERVED/PROTECTED IN PLACE. ANY NEW OR REPLACEMENT OF SIDEWALK WILL MAINTAIN THE SAME WIDTH, TEXTURE, SCORING PATTERN, COLOR AND MATERIAL OF THE EXISTING OR BE IN SUBSTANTIAL CONFORMANCE WITH THE HISTORIC DESIGN OF SIDEWALKS OF ADJACENT PROPERTIES.

OVERALL SITE HARDSCAPE SCHEDULE

SYMBOL	DESCRIPTION	QTY	MATERIAL	MFG.	COLOR	FINISH	SPEC.	COMMENT
01 PAVEMENTS, RAMPS, CURBS								
	CONCRETE - MOW CURB AROUND BUILDING	939 SF	CONCRETE	PER CONTRACTOR	TO MATCH EXISTING SITE CONCRETE	TO MATCH EXISTING SITE CONCRETE	18" WIDE PATH	-
	CONCRETE PAVING - TO MATCH EXISTING	6,757 SF	CONCRETE	CONTRACTOR	TO MATCH EXISTING PATHWAY	TO MATCH EXISTING PATHWAY	TO MATCH EXISTING PATHWAY	THESE ARE PLANTING AREAS THAT ARE TO BE PAVED WITH CONCRETE
05 SITE FURNISHINGS								
05-01	DSA APPROVED PRE-CHECK (PC) A#04-123036 FOUR-POINT TENSIONED FABRIC (HYPAR) SHADE	4	FABRIC				30' X 20' W/ 10' & 14` ENTRY HEIGHTS	SEE CALLOUT 1302 ON ARCHITECTURAL SHEET AS001
05-02	DSA APPROVED PRE-CHECK (PC) A#02-122389 SINGLE-POST CANTILEVER UMBRELLA SHADE STRUCTURE	1	FABRIC				20' X 20' W/ 10' ENTRY HEIGHT	SEE CALLOUT 1303 ON ARCHITECTURAL SHEET AS001
05-03	CUSTOM CONJOINED AND MODIFIED SHADE STRUCTURE FOR AMPHITHEATER; 12' ENTRY HEIGHTS	3						SEE CALLOUT 1304 ON ARCHITECTURAL SHEET AS001
05-04	CUSTOM CONJOINED AND MODIFIED SHADE STRUCTURE FOR AMPHITHEATER; 12' ENTRY HEIGHTS							SEE CALLOUT 1305 ON ARCHITECTURAL SHEET AS001
05-05	SALVAGED BENCH	2	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	SALVAGE & REINSTALL EXISTING (SEE L021)
06 RAILINGS, BARRIERS, FENCING								
06-02	LANDSCAPE EDGER	3,891 LF	METAL	IRONRIDGE	BLACK	FLUSH	-	OR APPROVED EQUAL
09 PLANTING AND LANDSCAPE								
	MULCHED LANDSCAPE AREA	117,154 SF	MULCH	SOUTHWEST BOULDER & STONE	GORILLA HAIR (SHREDDED REDWOOD) MULCH	-	TO BE SPREAD AT A 3IN. MINIMUM DEPTH	
	RUBBLE / RIP RAP	53,202 SF	STONE	DECORATIVE STONE SOLUTIONS	AMBER CLOUD	-	4 TO 8 IN.	
	ARTIFICIAL TURF	32,676 SF	POLYETHELENE	SYN-LAWN	GREEN	-	SYNNATURAL 60 GTR	SHALL COMPLY WITH ASTM F1951
	REPAIRED TURF GRASS	16,724 SF	HYBRID BERMUDA	-	-	-	-	TO REPAIR TEMPORARY BUILDING SITES
09-05	LANSCAPE BOULDER - MEDIUM	47	STONE	DECORATIVE STONE SOLUTIONS	AMBER CLOUD	-	2` - 3.5`	
09-06	LANDSCAPE BOULDER - LARGE	8	STONE	DECORATIVE STONE SOLUTIONS	AMBER CLOUD	-	4` TO 5`	
SYMBOL	DESCRIPTION	QTY	MATERIAL					
13 WALLS								
13-01	CONCRETE SITTING WALL	57 LF	CONCRETE					
13-02	RETAINING WALL	107 LF	CONCRETE					
SYMBOL	DESCRIPTION	QTY	COMMENT					
EXISTING TO REMAIN								
E-102	STORAGE CONTAINER TO REMAIN	1	PROTECT IN PLACE					

DESIGN STATEMENT:
RANCHO DEL REY MIDDLE SCHOOL IS REPLACING EXISTING PLANTING AREAS WITH MORE DROUGHT TOLERANT PLANT MATERIAL AND ARTIFICIAL TURF IN KEY AREAS. THE EXISTING IRRIGATION SYSTEM IS TO REMAIN WITH THE EXCEPTION OF THE REPLACEMENT OF EXISTING IRRIGATION VALVES AND POP-UP RISERS, BODIES, AND HEADS. NEW LATERAL LINES ARE TO BE INSTALLED ONLY WHERE NEEDED AND ARE SHOWN IN THIS SET. ALL EXISTING LATERAL LINES AND MAINLINES ARE SHOWN FOR CONTEXT.

DEMOLITION NOTES:
1. REMOVE ITEMS NOT REQUIRED FOR FILL OR RE-USE FROM THE JOB SITE, AND DISPOSE OF IN ACCORDANCE WITH LOCAL CODES AT NO ADDITIONAL COST TO AGENCY. DO NOT BURN RUBBISH OR DEBRIS.
2. ANY DAMAGE TO EXISTING PLANT MATERIAL OR HARDSCAPE ELEMENTS THAT ARE TO REMAIN (I.E., CURBS, WALLS, ADJACENT PROPERTY, ETC.) SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE AGENCY.
3. ALL SURFACES WHERE GROUND COVER HAS BEEN REMOVED SHALL BE GRUBBED AND BROUGHT TO A CONSISTENT GRADE WITH NO IRREGULARITIES, TO THE SATISFACTION OF THE AGENCY.
4. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITY LINES, PIPES, VAULTS, OR BOXES PRIOR TO ANY EXCAVATION. NOTIFY CITY IMMEDIATELY AND REPAIR ANY SUCH DAMAGED ITEMS IF DAMAGED. REPAIRS SHALL BE MADE AT NO ADDITIONAL COST TO THE AGENCY.
5. THE CONTRACTOR SHALL NOTIFY AGENCY'S AUTHORIZED REPRESENTATIVE IMMEDIATELY IF FIELD CONDITIONS SHOULD VARY FROM THOSE SHOWN ON PLAN.
6. LOCATIONS OF EXISTING SITE ELEMENTS, WHEN SHOWN, ARE APPROXIMATE. NOTIFY THE AGENCY'S AUTHORIZED REPRESENTATIVE IMMEDIATELY IF THE LOCATION OF THESE ITEMS INTERFERES WITH THE PROPER EXECUTION OF WORK.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND CAPPING ALL EXISTING IRRIGATION (MAIN AND LATERAL) LINES AFFECTED BY DEMOLITION OR GRADING.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL DEMOLISHED IRRIGATION LINES IN ACCORDANCE WITH LOCAL CODES AT NO ADDITIONAL EXPENSE TO THE AGENCY.
9. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING BID TO VISIT THE SITE PRIOR TO SUBMITTING BID.
10. NOTE SITE AND ACCESS CONDITIONS. THE CONTRACTOR SHALL TAKE THESE CONDITIONS INTO ACCOUNT WHEN PREPARING BIDS.
11. CLEAR SITE TO LIMIT OF WORK AND TO THE CORRECT DEPTH OF: GRASS, WEEDS, RUBBISH, DEBRIS, PAVEMENT, CONCRETE, INACTIVE OR ABANDONED FACILITIES (VERIFIED BY THE AGENCY'S AUTHORIZED REPRESENTATIVE.) ETC. THAT ARE TO BE REMOVED FOR CONSTRUCTION OF IMPROVEMENTS.
12. ALL DELETERIOUS MATERIALS WITHIN THE LIMITS OF WORK SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR IN A MANNER CONSISTENT WITH ALL LOCAL CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS AND PAY FOR ALL RELATED COSTS.
13. REQUIRED UTILITIES SHALL BE MAINTAINED IN OPERATION CONDITION DURING THE ENTIRE PERIOD OF WORK. ACTIVE UTILITIES SHALL BE PROTECTED IN PLACE BY AND AT THE EXPENSE OF THE CONTRACTOR.
14. ABANDONED UNDERGROUND UTILITIES (VERIFIED BY THE AGENCY'S AUTHORIZED REPRESENTATIVE), ROOTS (LARGER THAN 3" IN DIAMETER), ROCKS AND MASONRY LARGER THAN 4" SHALL BE REMOVED TO A MINIMUM DEPTH OF 12" BELOW THE FINISHED SURFACE.
15. THE CONTRACTOR SHALL COMPLY WITH SOILS REPORT FOR CLEARING AND GRUBBING REQUIREMENTS.

GENERAL MAINTENANCE NOTES:
1. GENERAL LANDSCAPE MAINTENANCE
   A. PLANTING AREAS SHALL BE PRUNED AND MAINTAINED TO ENSURE A HEALTHY AND THRIVING CONDITION.
   B. DEAD, DYING AND DISEASED VEGETATION SHALL BE REPLACED.
   C. PLANTED AREAS SHALL BE MAINTAINED IN A RELATIVELY WEED-FREE CONDITION AND CLEAR OF UNDERGROWTH WHICH MAY CAUSE UNDUE FIRE HAZARDS.
   D. INVASIVE SPECIES SHALL BE ERADICATED.
   E. LANDSCAPE SHALL BE MAINTAINED TO AVOID OBSTRUCTING MOTORIST'S VIEWS.
   F. MULCH SHALL BE REPLENISHED AS NEEDED. SUPPLEMENTAL SOIL AMENDMENTS SHALL BE ADDED WHEN NECESSARY TO SUPPORT AND MAINTAIN HEALTHY PLANT GROWTH.
   G. PLANTS SHALL BE FERTILIZED AND WATERED AT SUCH INTERVALS AS ARE NECESSARY TO PROMOTE OPTIMUM GROWTH.
   H. INTEGRATED PEST MANAGEMENT PRINCIPLES AND PRACTICES SHALL BE INCLUDED IN THE MAINTENANCE PROGRAM.
2. GENERAL IRRIGATION MAINTENANCE
   A. LANDSCAPE IRRIGATION SHALL BE APPLIED AT A RATE NOT EXCEEDING THE INFILTRATION RATE OF THE SOIL (MINIMIZING EROSION AND WATER WASTE) BUT SUFFICIENTLY TO ALLOW FOR HEALTHY PLANT GROWTH.
   B. ROUTINE INSPECTIONS SHALL BE PERFORMED TO GUARD AGAINST RUNOFF AND EROSION AND TO DETECT PLANT OR IRRIGATION SYSTEM FAILURE.
   C. THE IRRIGATION SYSTEM AND ITS COMPONENTS SHALL BE REPAIRED AND REPLACED AS NECESSARY.
3. MAINTENANCE OF FUEL MODIFICATION ZONES
   A. AREAS OF DEVELOPMENTS APPROVED AND SUBJECT TO THE REQUIREMENTS OF SECTION 5 (FIRE PROTECTION REQUIREMENTS) OF THIS MANUAL SHALL BE MAINTAINED BY THE RESPONSIBLE PRIVATE PARTY (IE: UNDERLYING PROPERTY OWNER OR EASEMENT HOLDER) IN CONFORMANCE WITH THE APPROVED FIRE PROTECTION PLAN.
   B. PLANTS SHALL BE KEPT PRUNED TO THE VOLUME REQUIREMENTS OF THE APPLICABLE FUEL MODIFICATION ZONE.

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DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

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LICENSED LANDSCAPE ARCHITECT
DAVID W. McCULLOUGH - 4048
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12/31/2026
Renewal Date
2/9/2026
Date
STATE OF CALIFORNIA

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SWEETWATER UNION HIGH SCHOOL DISTRICT

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number:	24203.10
Date :	09-05-2025
Drawn By :	AC
Checked By :	ZM
Revisions :	

HARDSCAPE NOTES AND SCHEDULE

L100

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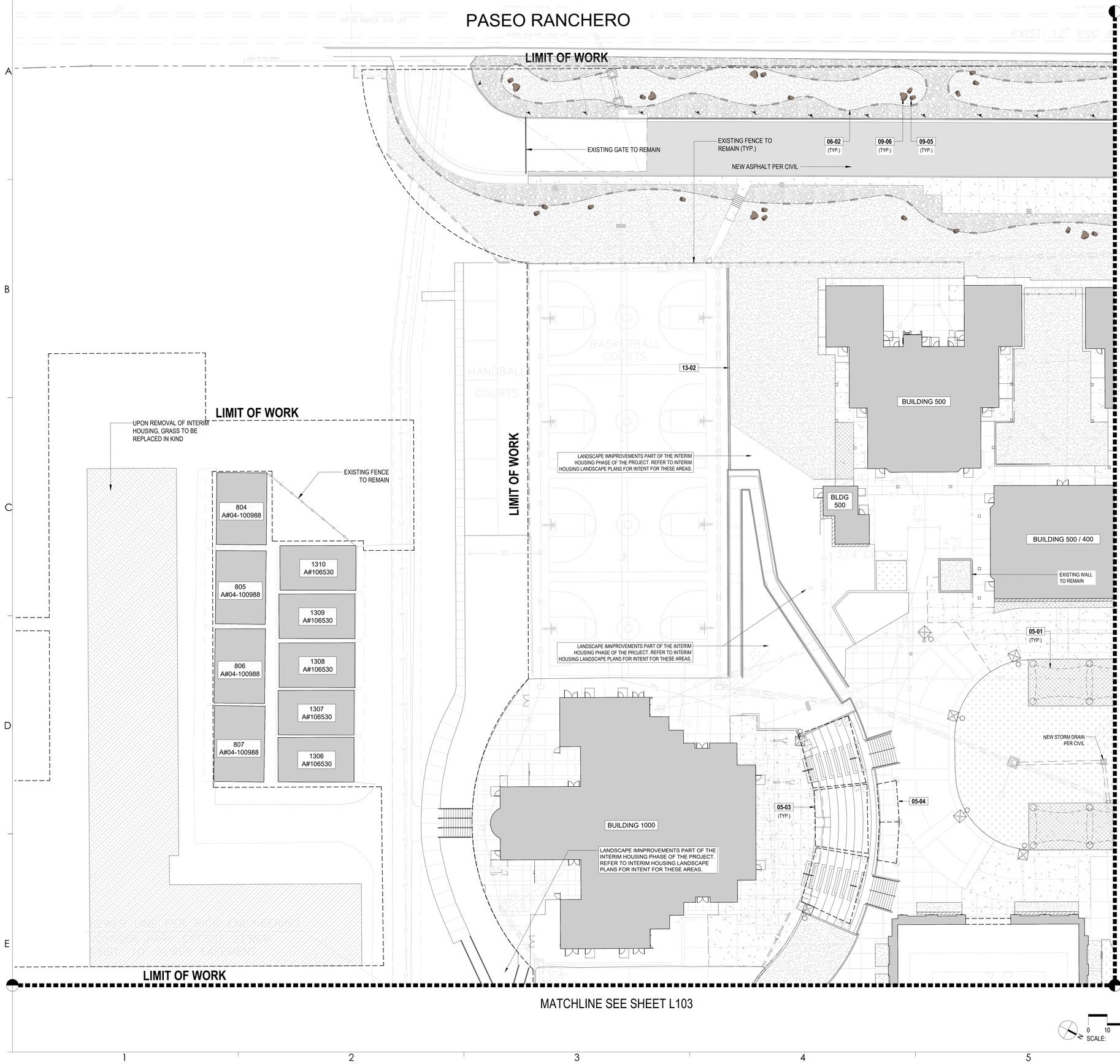

HARDSCAPE SCHEDULE - 1

SYMBOL	DESCRIPTION	QTY
01 PAVEMENTS, RAMPS, CURBS		
	CONCRETE - MOW CURB AROUND BUILDING	268 SF
	CONCRETE PAVING - TO MATCH EXISTING	3,799 SF
SYMBOL	DESCRIPTION	QTY
05 SITE FURNISHINGS		
05-01	DSA APPROVED PRE-CHECK (PC) A#04-123036 FOUR-POINT TENSIONED FABRIC (HYPAR) SHADE	2
05-03	CUSTOM CONJOINED AND MODIFIED SHADE STRUCTURE FOR AMPHITHEATER; 12' ENTRY HEIGHTS	3
05-04	CUSTOM CONJOINED AND MODIFIED SHADE STRUCTURE FOR AMPHITHEATER; 12' ENTRY HEIGHTS	
SYMBOL	DESCRIPTION	QTY
06 RAILINGS, BARRIERS, FENCING		
06-02	LANDSCAPE EDGER	1,302 LF
09 PLANTING AND LANDSCAPE		
	MULCHED LANDSCAPE AREA	32,318 SF
	RUBBLE / RIP RAP	14,696 SF
	ARTIFICIAL TURF	259 SF
	REPAIRED TURF GRASS	16,724 SF
09-05	LANSCAPE BOULDER - MEDIUM	19
09-06	LANDSCAPE BOULDER - LARGE	6
SYMBOL	DESCRIPTION	QTY
13 WALLS		
13-02	RETAINING WALL	107 LF

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LICENSED LANDSCAPE ARCHITECT — GREGORY MCCULLOUGH — 5645 — STATE OF CALIFORNIA
Signature
12/31/2026 Renewal Date
2/9/2026 Date

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SWEETWATER UNION HIGH SCHOOL DISTRICT

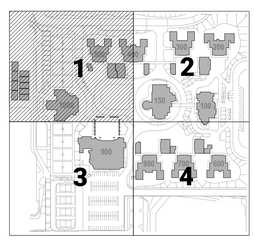
DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	AC
Checked By	:	ZM
Revisions	:	

KEY PLAN



HARDSCAPE PLAN

L101

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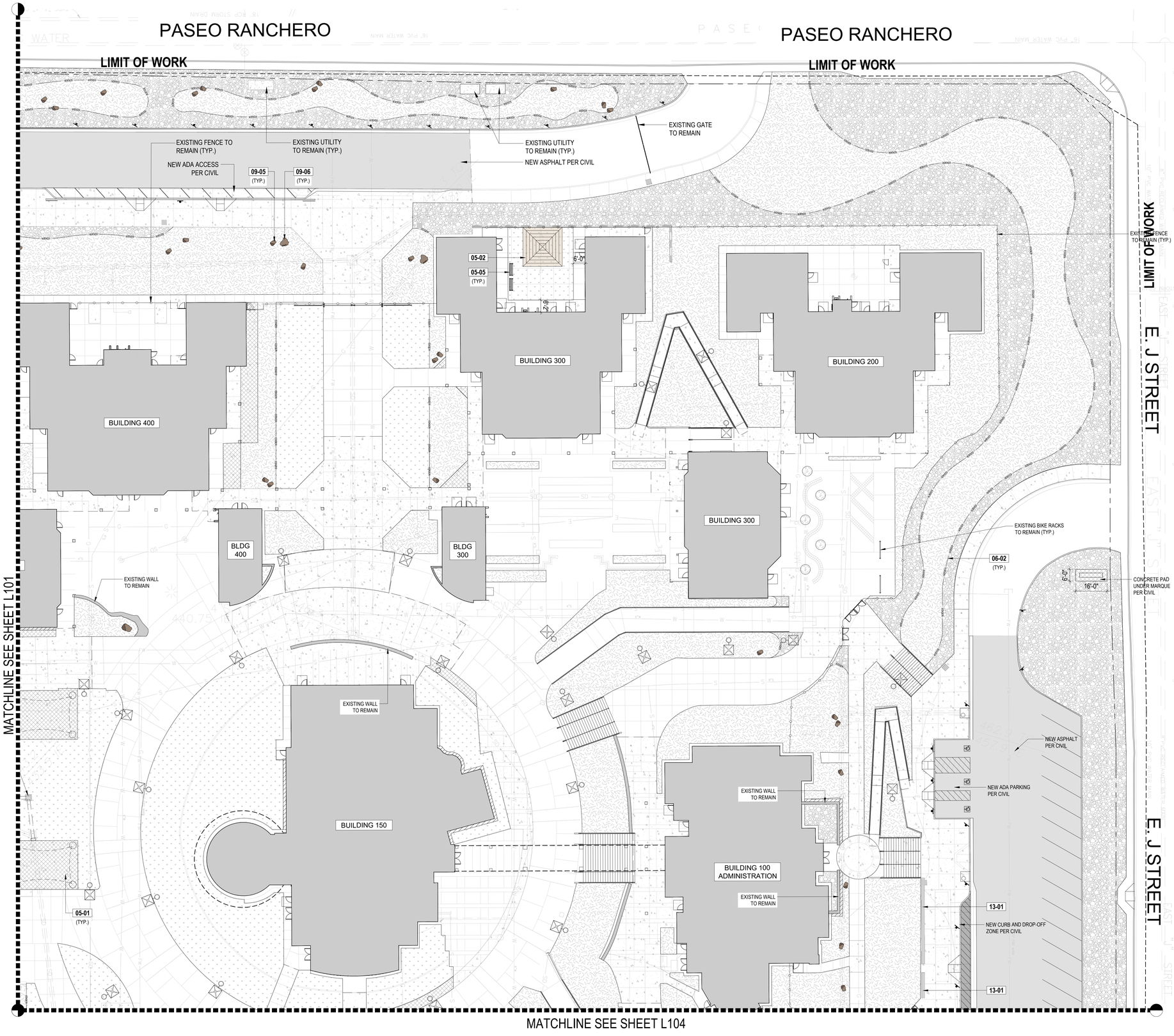
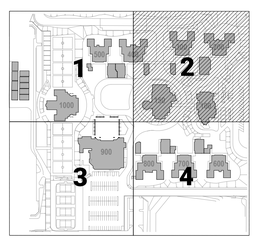


HARDSCAPE SCHEDULE - 2		
SYMBOL	DESCRIPTION	QTY
01 PAVEMENTS, RAMPS, CURBS		
	CONCRETE - MOW CURB AROUND BUILDING	295 SF
	CONCRETE PAVING - TO MATCH EXISTING	1,490 SF
05 SITE FURNISHINGS		
05-01	DSA APPROVED PRE-CHECK (PC) A#04-123036 FOUR-POINT TENSIONED FABRIC (HYPAR) SHADE	2
05-02	DSA APPROVED PRE-CHECK (PC) A#02-122389 SINGLE-POST CANTILEVER UMBRELLA SHADE STRUCTURE	1
05-05	SALVAGED BENCH	2
06 RAILINGS, BARRIERS, FENCING		
06-02	LANDSCAPE EDGER	1,607 LF
09 PLANTING AND LANDSCAPE		
	MULCHED LANDSCAPE AREA	45,469 SF
	RUBBLE / RIP RAP	28,981 SF
	ARTIFICIAL TURF	24,741 SF
09-05	LANSCAPE BOULDER - MEDIUM	28
09-06	LANDSCAPE BOULDER - LARGE	2
SYMBOL	DESCRIPTION	QTY
13 WALLS		
13-01	CONCRETE SITTING WALL	57 LF

KEY PLAN



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

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LICENSED LANDSCAPE ARCHITECT
GARY W. McCULLOUGH
Signature
12/31/2026
Renewal Date
2/9/2026
Date
STATE OF CALIFORNIA

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SWEETWATER UNION HIGH SCHOOL DISTRICT

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
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HARDSCAPE PLAN

L102

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MATCHLINE SEE SHEET L101

LIMIT OF WORK

LIMIT OF WORK

LIMIT OF WORK

LIMIT OF WORK

BALL FIELDS

BASKETBALL COURTS

TENNIS COURTS OR SPEED SOCCER

BUILDING 900

06-02 (TYP.)

LANDSCAPE IMMPROVEMENTS PART OF THE INTERIM HOUSING PHASE OF THE PROJECT. REFER TO INTERIM HOUSING LANDSCAPE PLANS FOR INTENT FOR THESE AREAS.

NEW CURB PER CIVIL

NEW ASPHALT PER CIVIL

MATCHLINE SEE SHEET L104

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

HARDSCAPE SCHEDULE - 3		
SYMBOL	DESCRIPTION	QTY
01 PAVEMENTS, RAMPS, CURBS		
	CONCRETE - MOW CURB AROUND BUILDING	140 SF
06 RAILINGS, BARRIERS, FENCING		
06-02	LANDSCAPE EDGER	44 LF
SYMBOL	DESCRIPTION	QTY
09 PLANTING AND LANDSCAPE		
	MULCHED LANDSCAPE AREA	8,078 SF

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Signature
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HARDSCAPE PLAN

L103

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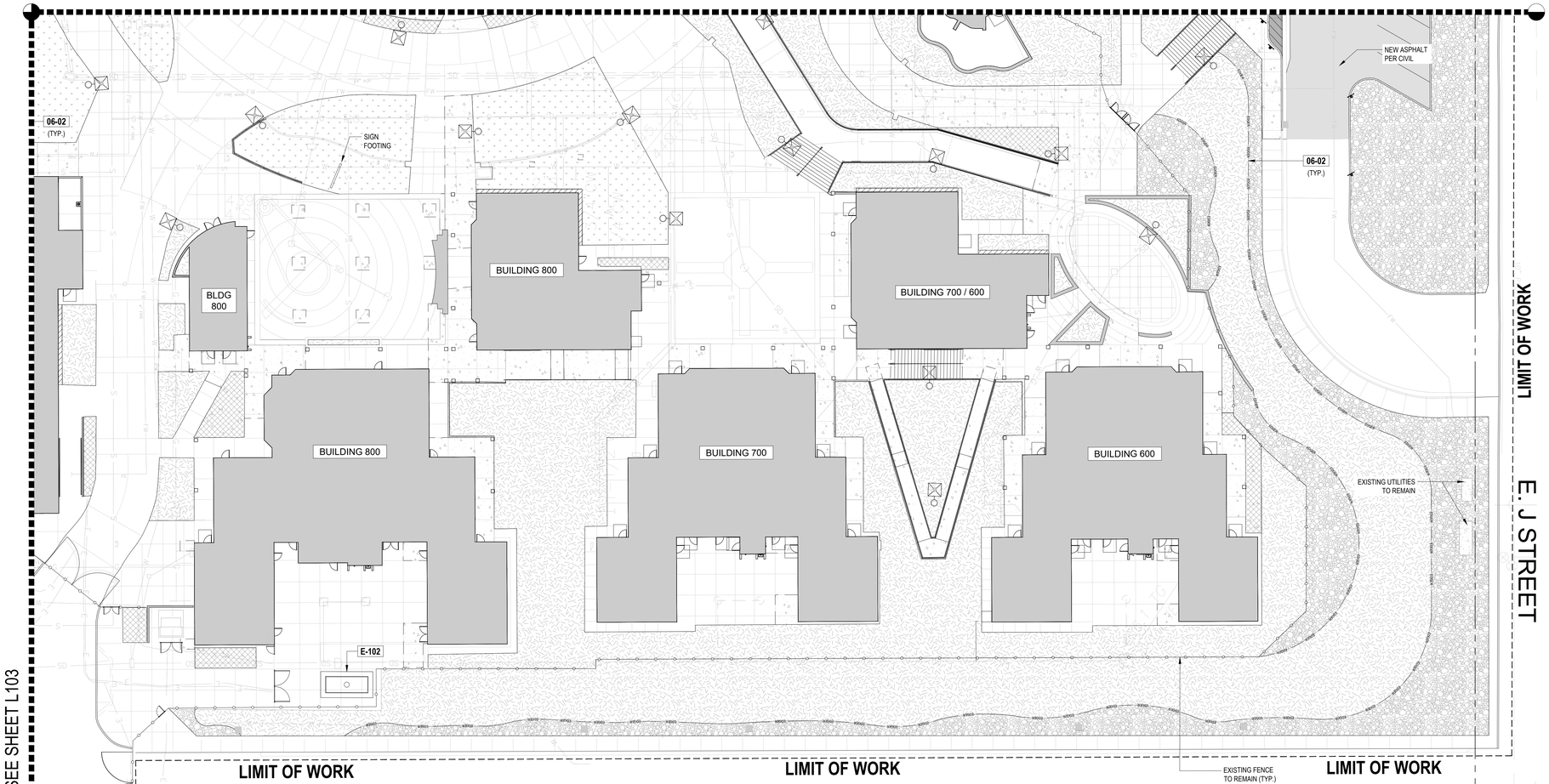
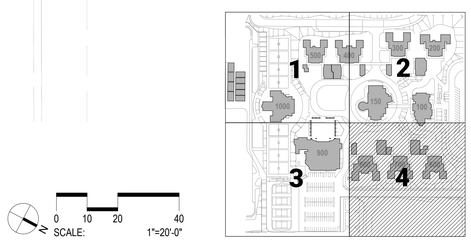
MATCHLINE SEE SHEET L102

MATCHLINE SEE SHEET L103



HARDSCAPE SCHEDULE - 4		
SYMBOL	DESCRIPTION	QTY
01 PAVEMENTS, RAMPS, CURBS		
	CONCRETE - MOW CURB AROUND BUILDING	235 SF
	CONCRETE PAVING - TO MATCH EXISTING	1,469 SF
06 RAILINGS, BARRIERS, FENCING		
06-02	LANDSCAPE EDGER	938 LF
09 PLANTING AND LANDSCAPE		
	MULCHED LANDSCAPE AREA	31,289 SF
	RUBBLE / RIP RAP	9,526 SF
	ARTIFICIAL TURF	7,676 SF
SYMBOL	DESCRIPTION	QTY
EXISTING TO REMAIN		
E-102	STORAGE CONTAINER TO REMAIN	1



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

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DATE: 02/17/2026

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LICENSED LANDSCAPE ARCHITECT
GREGORY P. MCCULLOUGH
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12/31/2026
Renewal Date
2/9/2026
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SWEETWATER
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DSA BACKCHECK

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	AC
Checked By	:	ZM
Revisions	:	

HARDSCAPE PLAN

L104

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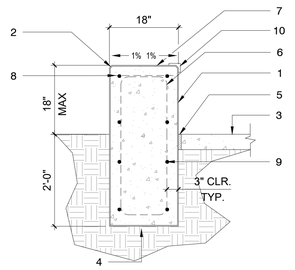
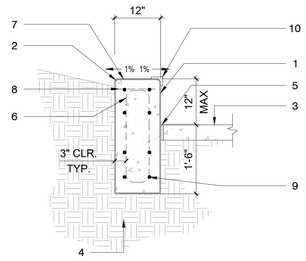


1 CONCRETE FREE-STANDING WALL.
2 1/4" RADIUS, TYP. ALL EDGES.
3 FINISH SURFACE/FINISH GRADE, SEE PLAN
4 90% SUB-GRADE
5 EXPANSION JOINT PER DETAIL
6 #4 @ 12" O.C. VERTICAL, TYP.
7 TOP OF WALL
8 (2) #4 CONTINUOUS AT TOP
9 (2) #4 HORIZONTAL CONTINUOUS, TYP.
10 METAL SKATE STOP TO BE EMBEDDED IN CONCRETE WALL 24IN. O.C.

NOTE:
1. INSERT WALL REVEAL SCORES EVERY 6' O.C. AT EQUAL DISTANCE APART
2. REFER TO DETAIL FOR WALL REVEAL

9 ENTRY SEAT WALL

3/4" = 1'-0"

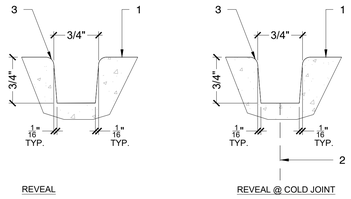


1 CONCRETE FREE-STANDING WALL.
2 1/4" RADIUS, TYP. ALL EDGES.
3 FINISH SURFACE/FINISH GRADE, SEE PLAN
4 90% SUB-GRADE
5 EXPANSION JOINT PER DETAIL
6 #4 @ 12" O.C. VERTICAL, TYP.
7 TOP OF WALL
8 (2) #4 CONTINUOUS AT TOP
9 (2) #4 HORIZONTAL CONTINUOUS, TYP.
10 METAL SKATE STOP TO BE EMBEDDED IN CONCRETE WALL 24IN. O.C.

NOTE:
1. INSERT WALL REVEAL SCORES EVERY 6' O.C. AT EQUAL DISTANCE APART
2. REFER TO DETAIL FOR WALL REVEAL

10 BASKETBALL COURT RETAINING WALL

3/4" = 1'-0"



1 CONCRETE WALL PER PLAN.
2 COLD JOINT.
3 1/8" MACHINE ROUTED CORNERS & EDGES.

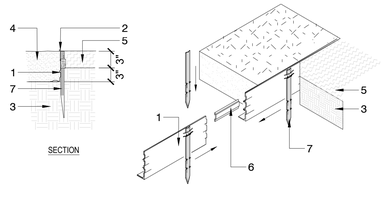
NOTES:
A. PROVIDE REVEAL @ ALL COLD JOINTS.
B. REVEAL SHOULD BE CONTINUOUS ON SIDES & TOP OF WALL, UNLESS OTHERWISE NOTED ON PLAN OR ELEVATION.
C. ALIGN ALL FORM JOINTS W/ REVEALS. CUSTOM CUT FORMS AS REQUIRED.

11 CONCRETE WALL REVEALS

1" = 1"

1 6" STEEL EDGING PER PLAN.
2 1/2" MAX CLR. ABOVE ADJACENT SURFACE.
3 COMPACTED GRADE ADJACENT TO EDGING.
4 ADJACENT DG PER SEPARATE DETAIL.
5 3" MULCH AT PLANTED SPACES
6 CONNECTOR AS NEEDED.
7 12" STAKES TO LOCK INTO EDGING.

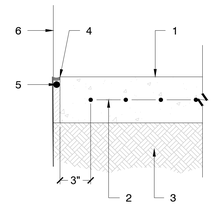
NOTES:
A. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
B. 8'-0" SECTIONS TO INCLUDED (3) 12" STAKES.
C. 16'-0" SECTIONS TO INCLUDE (8) 12" STAKES.
D. COMPACT GRADE ADJACENT TO EDGING TO AVOID SETTLING.
E. CORNERS - CUT BASE EDGING UP HALF WAY AND FORM A CONTINUOUS CORNER.



12 STEEL EDGING ADJACENT TO SHRUBS

NTS

1 CONCRETE PAVING PER SEPARATE DETAIL.
2 #3 REBAR MIN. 3" CLEAR FROM ALL EDGES.
3 90% COMPACTED SUBGRADE.
4 1/8" TOOLED RADIUS.
5 1/4" EXPANSION MATERIAL WITH BACKER ROD. JOINT SEALANT TO MATCH CONCRETE COLOR WITH SEEDED SILICA SAND.
6 ADJACENT VERTICAL SURFACE PER PLAN.

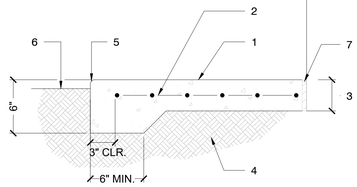


5 EXPANSION JOINT AT VERTICAL SURFACE

NTS

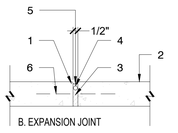
1 CONCRETE PAVING 18" - REFER TO CONSTRUCTION SCHEDULE FOR COLOR AND FINISH.
2 #3 REBAR AT 18" O.C.E.W. MIN. 3" CLEAR FROM ALL EDGES.
3 3 1/2" FOR PEDESTRIAN USE.
4 90% COMPACTED SUBGRADE FOR PEDESTRIAN USE.
5 1/2" TOOLED RADIUS.
6 FINISH GRADE.
7 EXPANTION JOINT AT VERTICAL SURFACE PER SEPARATE DETAIL

NOTE:
A. PAVING THICKNESS, BASE PREPARATION AND REINFORCING ARE SHOWN FOR BID PURPOSES ONLY. VERIFY REQUIREMENTS OF THE SOILS REPORT AND COMPLY.
B. PROVIDE FINISH SAMPLE PER SPECIFICATIONS FOR LANDSCAPE ARCH./OWNER APPROVAL PRIOR TO BEGINNING WORK.



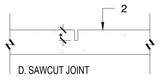
6 18" CONCRETE PAVING AROUND BUILDING

NTS



1 1/8" RADIUS EDGE.
2 PAVING FINISH SURFACE PER PLAN.
3 JOINT FILLER.
4 BACKER ROD PER SPECIFICATIONS.
5 TWO PART POLYURETHANE SEALANT PER SPECIFICATIONS. COLOR TO MATCH ADJACENT PAVING.
6 1/2" DIA. x 12' LONG STEEL DOWEL @ 24" O.C. PAPER WRAP ONE END.

B. EXPANSION JOINT



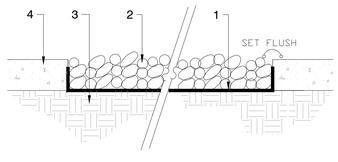
D. SAWCUT JOINT

NOTES
A. EXPANSION JOINTS SHALL BE INSTALLED AT ALL JUNCTIONS WITH VERTICAL SURFACES - WALLS, CURBS, STEPS, BUILDING WALLS, ETC. AND ALL AREAS AS INDICATED ON THE PLANS.

* 3/4" IF PAVING IS LESS THAN 4" THICK 1" IF PAVING IS GREATER THAN 4" THICK.

7 CONCRETE PAVING JOINTS

NTS



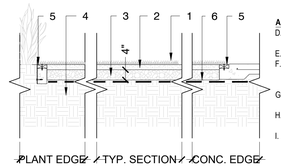
1 WEED CONTROL FABRIC, DEWITT 4.1 OZ. INSTALL PER MANUFACTURER'S DIRECTIONS
2 3" DEEP ROCK MULCH PER PLAN
3 90% COMPACTED SUBG-RADE
4 FINISHED GRADE, SEE HARDSCAPE LAYOUT PLAN

NOTES:
CONTRACTOR SHALL FURNISH SAMPLE OF ROCK GRAVEL TO LANDSCAPE ARCH./OWNER'S AUTHORIZED REP. FOR REVIEW AND APPROVAL PRIOR TO BEGINNING ANY WORK.

8 ROCK MULCH

1" = 1"

1 ARTIFICIAL TURF ROLE, RE: SPECIFICATIONS
2 3/4"-1" SAND LEVELING COURSE
3 4" CLASS II CRUSHED ROCK AGGREGATE DRAINAGE BASE, 90% COMPACTED
4 COMPACTED SUBGRADE
5 SYNTHETIC NAILER
- SECURED TO FACE OF CONCRETE
- UTILIZE PLANT DIVIDER WHEN REQUIRED
6 GOPHER WIRE

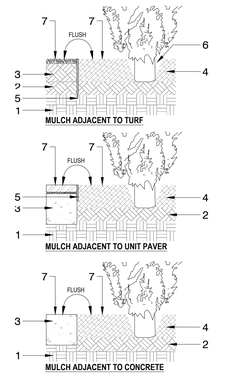


ARTIFICIAL TURF FINISHING STEPS:
A. APPLY 2 LBS OF SAND INFILL PER 1 SF OF ARTIFICIAL TURF AREA, THEN POWERBRUSH FOR EVEN DISTRIBUTION ACROSS TURF AREA (TYPICAL). SEE SPECIFICATIONS FOR PRODUCT TYPES.
B. FOR AREAS DESIGNATED ON PLANS FOR PET USE, APPLY 2 LBS OF PH STABILIZER PER 1 SF OF ARTIFICIAL TURF AREA, THEN POWERBRUSH FOR EVEN DISTRIBUTION ACROSS TURF AREA (TYPICAL). SEE SPECIFICATIONS FOR PRODUCT TYPES.
C. APPLY LIGHT WATER SPRAY ACROSS ALL ARTIFICIAL TURF AREAS TO ALLOW FOR SETTLING OF SAND AND/OR PH STABILIZER PRODUCTS BEFORE USE.

ARTIFICIAL TURF IMPORTANT NOTES:
D. ALWAYS STRETCH AND INSTALL TURF TIGHT.
E. DO NOT OVERLAP SEAMS.
F. WHEN NAILING, BE SURE NO BLADES OR THATCH IS STUCK UNDER NAIL HEAD.
G. NEVER COUNTER SINK NAILS, CREATING DIPS OR DIVOTS.
H. ALWAYS RUN GRAIN OF TURF IN SAME DIRECTION.
I. GRAIN OF TURF SHOULD BE POINTED TOWARD PEDESTRIAN AREAS WITH THE HIGHEST VISIBILITY WHENEVER POSSIBLE.

1 TYPICAL ARTIFICIAL TURF INSTALLATION

1/2" = 1'-0"



1 COMPACTED SUBGRADE, PER GEOTECH
2 AMENDED SOIL, PER NOTES AND SPECIFICATIONS
3 ADJACENT SURFACE, PER PLAN. DEPTH OF CONCRETE WALKWAYS, OR CONCRETE BASE SLAB PER GEOTECH
4 3" LAYER OF MULCH, FINISH SURFACE FLUSH WITH ADJACENT PAVING/MATERIAL
5 EDGER, PER PLAN
6 DO NOT COVERBASE OF PLANT
7 FINISHED SURFACE, PER CIVIL

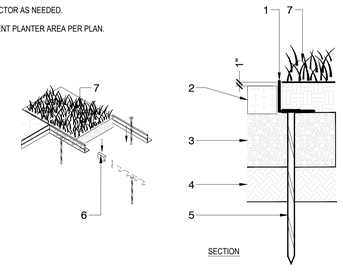
NOTE:
1. FINISHED GRADES TO BE DETERMINED BY CONTRACTOR WHEN NOT SUPPLIED BY CIVIL.
2. FINISHED GRADES SHALL BE BASED ON FINISHED SURFACE ELEVATIONS PROVIDED BY CIVIL AND PROFILE OF PROPOSED SURFACE TREATMENTS, SUCH AS CONCRETE SLAB, UNIT PAVERS, MORTARED TILES, ETC. SPECIFIED BY LANDSCAPE ARCHITECT ON APPROVED PLANS.
3. CRITICAL REQUIREMENT IS TO ACHIEVE A FLUSH CONDITION BETWEEN THE TOP OF MULCH AND THE ADJACENT SURFACE. DO NOT MOUND MULCH ABOVE ADJACENT SURFACES.

2 MULCH ADJACENT TO SURFACE

1 1/2" = 1'-0"

1 PERMALOC ALUMINUM EDGING.
2 ADJACENT MULCH PER CONSTRUCTION PLAN.
3 COMPACT BASECOURSE - EXTENDS 6" BEYOND RESTRAINT.
4 COMPACTED SUBGRADE.
5 3/8" x 10" SPIRAL STEEL SPIKE @ 12" O.C. (TYP.) OR 4' O.C. MIN.
6 CONNECTOR AS NEEDED.
7 ADJACENT PLANTER AREA PER PLAN.

NOTES:
A. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
B. CONNECTION BETWEEN SECTIONS TO UTILIZE MANUFACTURERS' QUICK CLIP CONNECTOR SYSTEM.
C. CORNERS - NOTCH BASE ONLY AND FORM A CONTINUOUS CORNER.



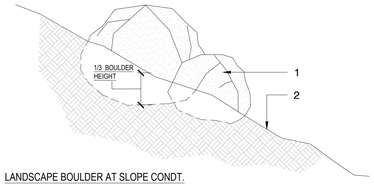
3 MULCH METAL EDGE RESTRAINT

NTS

1 LANDSCAPE BOULDER LOCATED PER PLAN. BURY 1/3 OF TOTAL BOULDER HEIGHT. BROWN ALE AND/OR DESERT GOLD BOULDERS AT SOUTHWEST BOULDER AND STONE.
2 FINISH GRADE.

NOTE:
BOULDERS TO BE SELECTED BY LANDSCAPE ARCHITECT.

LANDSCAPE BOULDER AT FLAT CONDT.



LANDSCAPE BOULDER AT SLOPE CONDT.

4 BOULDER AT FLAT & SLOPE CONDITIONS

NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

ARCHITECTS
MOSHER DREW
1775 HANCOCK STREET, SUITE 150
SAN DIEGO, CALIFORNIA 92110
P: (619) 223-2400
F: (619) 223-3017

All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED LANDSCAPE ARCHITECT
GREGORY MCCULLOUGH
Signature
12/31/2026
Renewal Date
2/9/2026
Date
STATE OF CALIFORNIA

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SWEETWATER UNION HIGH SCHOOL DISTRICT

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	AC
Checked By	:	ZM
Revisions	:	

HARDSCAPE DETAILS

L110

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DEH RECYCLED WATER NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE OTAY WATER DISTRICT'S RULES AND REGULATIONS.
2. DRINKING WATER FOUNTAINS AND DESIGNATED OUTDOOR EATING AREAS SHALL BE PROTECTED AGAINST CONTACT WITH RECYCLED WATER SPRAY, MIST, OR RUNOFF.
3. BEST MANAGEMENT PRACTICES SHALL BE USED TO ELIMINATE OR CONTROL TO THE BEST EXTENT POSSIBLE PONDING, RUN-OFF, OVER-SPRAY AND MISTING.
4. HOSE BIBS ARE STRICTLY PROHIBITED.
5. CROSS-CONNECTIONS BETWEEN RECYCLED WATERLINES AND POTABLE WATER LINES ARE STRICTLY PROHIBITED.
6. NO SUBSTITUTIONS OF PIPE MATERIALS WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE OTAY WATER DISTRICT.
7. ALL MAINLINE PIPES SHALL HAVE WARNING TAPE PER OTAY WATER DISTRICT'S RULES AND REGULATIONS.
8. HOURS FOR IRRIGATION WITH RECYCLED WATER ARE FROM 9:00P.M. TO 6:00 A.M. THE HOURS FOR IRRIGATION WITH DISINFECTED TERTIARY RECYCLED WATER MAY BE MODIFIED BY THE LOCAL AUTHORITY. IRRIGATION DURING PUBLIC USE PERIODS WITH DISINFECTED TERTIARY RECYCLED WATER SHALL BE UNDER THE SUPERVISION OF THE DESIGNATED USER SUPERVISOR. IRRIGATION WITH WATER OF A LESSER QUALITY THAN DISINFECTED TERTIARY RECYCLED WATER SHALL BE BETWEEN THE HOURS OF 9:00P.M. AND 6:00 A.M.
9. BURIAL OF ALL WIRING AND PIPING SHALL MEET OTAY WATER DISTRICT'S RULES AND REGULATIONS.
10. NON-DESIGNATED USE AREAS SHALL BE PROTECTED FROM CONTACT WITH RECYCLED WATER, WHETHER BY WINDBLOWN SPRAY OR BY DIRECT APPLICATION THROUGH IRRIGATION OR OTHER USE. LACK OF PROTECTION, WHETHER BY DESIGN, CONSTRUCTION PRACTICE OR SYSTEM OPERATION IS STRICTLY PROHIBITED.
11. IRRIGATION HEADS SHALL BE RELOCATED OR ADJUSTED TO MINIMIZE OR ELIMINATE OVER-SPRAYING ON SIDEWALKS, STREETS AND NON-DESIGNATED USE AREAS.
12. RECYCLED WATER QUICK COUPLING VALVES SHALL BE OF A TYPE DESIGNED FOR THE USE ON RECYCLED WATER DISTRIBUTION SYSTEMS PER OTAY WATER DISTRICT'S RULES AND REGULATIONS.
13. ON RECYCLED WATER SYSTEMS, ALL APPURTENANCES (SPRINKLER HEADS, VALVE BOXES, ETC.) SHALL BE COLOR-CODED PURPLE PER AWWA GUIDELINES AND SECTION 116815 OF THE CALIFORNIA HEALTH AND SAFETY CODE.
14. ALL IRRIGATION PIPES SHALL BE STENCILED WITH THE WARNING, "NON- POTABLE OR RECYCLED WATER," COLOR-CODED (PURPLE) AND LAID WITH WARNING TAPE AND STENCILING ORIENTED TOWARD THE TOP OF THE TRENCH PER OTAY WATER DISTRICT'S RULES AND REGULATIONS.
15. ON NEW ON-SITE SYSTEMS (POST-METER), POTABLE WATER, CONSTANT PRESSURE RECYCLED WATER AND SEWER LINES SHOULDBE PLACED A MINIMUM OF FOUR FEET APART OR AS DIRECTED BY THE PROJECT ENGINEER AND /OR REGULATORY AGENCY. MEASUREMENTS SHALL BE BETWEEN FACING SURFACES, NOT PIPE CENTERLINES.
16. CONSTANT PRESSURE RECYCLED WATERLINES SHALL CROSS AT LEAST TWELVE INCHES BELOW POTABLE WATERLINES AND MAINTAIN AT LEAST TWELVE INCHES CROSSING SEPARATION BETWEEN OTHER UTILITIES.
17. IF A CONSTANT PRESSURE RECYCLED WATER LINE MUST BE INSTALLED ABOVE A POTABLE WATER LINE OR LESS THAN TWELVE INCHES BELOW A POTABLE WATER LINE, THEN THE RECYCLED WATER LINE SHALL BE INSTALLED WITHIN AN APPROVED PROTECTIVE SLEEVE AS PER OTAY WATER DISTRICT'S RU LES AND REGULATIONS.
18. DEVELOPER/CONTRACTOR SHALL CONDUCT A CROSS-CONNECTION TEST AND COVERAGE TEST AS DIRECTED BY THE OTAY WATER DISTRICT AND THE SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH AND QUALITY PRIOR TO ANY USE OF RECYCLED WATER.
19. THE REQUIRED CROSS-CONNECTI ON INSPECTION SHALL BE DONE BY EITHER THE OTAY WATER DISTRICT AND/OR THE SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH AND QUALITY. COPIES OF INSPECTION REPORTS WILL BE FORWARDED TO THE NON-INSPECTING PARTY.
20. THE DESIGN AND LOCATIONS PROPOSED FOR RECYCLED WATER "DO NOT DRINK SIGNS SHALL BE CALLED OUT ON THE PLANS.
21. WHEN RECYCLED WATER BECOMES AVAILABLE, AN ON-SITE CERTIFIED RECYCLED WATER SITE SUPERVISOR SHALL BE DESIGNATED IN WRITING. THIS INDIVIDUAL SHALL BE FAMILIAR WITH PLUMBING SYSTEMS WITHIN THE PROPERTY, WITH THE BASIC CONCEPTS OF BACKFLOW/CROSS CONNECTION PROTECTION, THE RECYCLED PURVEYOR'S RULES AND REGULATIONS, AND THE SPECIFIC REQUIREMENTS OF A RECYCLED WATER SYSTEM. COPIES OF THE DESIGNATION, WITH CONTACT PHONE NUMBERS SHALL BE PROVIDED TO THE OTAY WATER DISTRICT AND SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH AND QUALITY.
    IN CASE OF EMERGENCY, CONTACT: RICK SCHROEDER AT 760.809.8848
    OR AFTER HOURS CONTACT: RICK SCHROEDER AT 760.809.8848
22. ALL PUBLIC AND PRIVATE POTABLE WATER MA INS INCLUDING FIRE MAINS AND ANY WATER WELLS AND WATER COURSES WITHIN THE RECYCLED WATER PROJECT SHALL BE SHOWN ON THE PLANS.
23. CALL OUT ON THE PLANS IF THERE ARE OR ARE NOT DRINKING FOUNTAINS AND/OR DESIGNATED OUTDOOR EATING AREAS ON THE IS SITE.
24. EDUCATE ALL MAINTENANCE PERSONNEL ON A CONTINUOUS BASIS OF THE PRESENCE OF RECYCLED WATER. PERSONNEL MUST BE INFORMED THAT RECYCLED WATER IS MEANT FOR IRRIGATION PURPOSES ONLY, AND IS NOT APPROVED FOR DRINKING PURPOSES, HAND WASHING, CLEANING OF TOOLS, ETC. GIVEN THE HIGH TURNOVER RATE OF EMPLOYEES I N THE LANDSCAPE INDUSTRY IT IS IMPORTANT THIS INFORMATION BE DISSEMINATED ON AN ALMOST DAILY BASIS.
25. A PHYSICAL SEPARATION SHALL BE PROVIDED BETWEEN ADJACENT AREAS IRRIGATED WITH RECYCLED WATER AND POTABLE WATER. SEPARATION SHALL BE PROVIDED BY DISTANCE, CONCRETE MOW STRIPS OR OTHER APPROVED METHODS.

SPECIAL RECYCLED WATER NOTES:

1. THERE SHALL BE NO DIRECT (PIPE-TO-PIPE) DRAINAGE OF RECYCLED WATER INTO THE STORM DRAINS.
2. ABSOLUTELY MINIMIZE BY BEST MANAGEMENT PRACTICES RECYCLED WATER RUNOFF TO STORM DRAINS.
3. DESIGN OF BROW DITCHES AND CATCH BASINS SHALL ABSOLUTELY MINIMIZE RECYCLED WATER RUNOFF INTO STORM DRAINS.
4. ALL RECYCLED WATER SPRINKLER CONTROL VALVES SHALL BE TAGGED WITH IDENTIFICATION TAGS. TAGS SHALL BE WEATHERPROOF PLASTIC 3" X 4", PURPLE IN COLOR, WITH WORDS "WARNING RECYCLED WATER - DO NOT DRINK" IMPRINTED ON ONE SIDE, AND "AVISO - AGUA IMPURA - NO TOMAR" ON THE OTHER SIDE. IMPRINTING SHALL BE PERMANENT AND BLACK IN COLOR. ONE TAG SHALL BE ATTACHED TO EACH VALVE AS FOLLOWS:
    ATTACH TO VALVE STEM DIRECTLY OR WITH PLASTIC TIE WRAP; OR
    ATTACH TO SOLENOID WIRE DIRECTLY OR WITH PLASTIC TIE WRAP.

OWD RECYCLED WATER NOTES:

1. ALL ON-SITE IRRIGATION IMPROVEMENTS SHOWN ON THESE PLANS ARE PART OF ARECYCLED WATER DISTRIBUTION SYSTEM. NO CONSTRUCTION WILL BE ALLOWED UNTIL ALL APPROVALS HAVE BEEN OBTAINED.
2. CROSS CONNECTIONS BETWEEN RECYCLED WATER LINES AND POTABLE WATER LINES ARE STRICTLY PROHIBITED.
3. USE OF RECYCLED WATER SHALL ADHERE TO TITLE 22, DIVISION 4, CHAPTER 3 OF THE CALIFORNIA CODE OF REGULATIONS AND THE CURRENT RULES, REGULATIONS AND SPECIFICATIONS OF THE DISTRICT.
4. OTAY WATER DISTRICT INSPECTION SHALL BE NOTIFIED FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (619) 670-2244. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.
5. PUBLIC FACILITIES, SUCH AS DRINKING AND DECORATIVE FOUNTAINS, COMFORT STATIONS, PLAYGROUND EQUIPMENT, ETC., DO NOT EXIST ON THIS PROJECT.
6. ALL ON-SITE RECYCLED WATER IRRIGATION PIPING AND ON-SITE POTABLE WATER PIPING INSTALLED UNDER THIS DESIGN SHALL BE IDENTIFIED IN ACCORDANCE WITH THE DISTRICT STANDARD SPECIFICATIONS.
7. ALL ON-SITE RECYCLED WATER PIPING SHALL BE PURPLE COLORED PVC, CONTINUOUSLY STENCILED ON OPPOSITE SIDES OF THE PIPE WITH THE WORDS "CAUTION - RECYCLED WATER". APPROVED MANUFACTURERS OF THIS PIPE CAN BE FOUND IN THE DISTRICTS' "APPROVED MATERIALS LIST".
8. ALL ON-SITE POTABLE WATER LINES SHALL BE WHITE OR BLUE UNLESS OTHERWISE APPROVED BY THE DISTRICT.
9. UNLESS OTHERWISE DIRECTED BY THE DISTRICT, A 10-FOOT HORIZONTAL AND 1-FOOT VERTICAL SEPARATION BETWEEN POTABLE WATER AND CONSTANT PRESSURE RECYCLED WATER LINES SHALL BE MAINTAINED AT ALL TIMES. THE POTABLE LINES SHALL BE INSTALLED ABOVE THE RECYCLED LINES UNLESS OTHERWISE APPROVED BY THE DISTRICT OR DEHQ.
10. WHERE POTABLE LINES AND CONSTANT PRESSURE RECYCLED WATER LINES CROSS, THE RECYCLED WATER LINE SHOULD BE INSTALLED BELOW THE POTABLE WATER LINE IN A SCHEDULE 40 PURPLE COLORED PVC SLEEVE. THE SLEEVE SHALL EXTEND 10-FEET ON EITHER SIDE OF THE POTABLE LINE, FOR A TOTAL OF 20-FEET.
11. MINIMUM VERTICAL SEPARATION OF 12 INCHES SHALL BE MAINTAINED BETWEEN UTILITIES AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE DISTRICT.
12. HOSE BIBS ARE STRICTLY PROHIBITED ON RECYCLED WATER SYSTEMS.
13. ALL SPRAY HEADS, VALVE BOXES, AND QUICK COUPLER VALVES SHALL BE CLEARLY COLOR CODED (PURPLE) TO INDICATE THE USE OF RECYCLED WATER.
14. RECYCLED WATER LINES SHALL NOT CROSS ROADS, STREETS, OR EASEMENTS UNLESS SPECIFICALLY SHOWN ON THESE PLANS.
15. ALL CONSTANT PRESSURE LINES SHALL BE TESTED WITH HYDROSTATIC PRESSURE AS REQUIRED IN THE DISTRICT STANDARD SPECIFICATIONS. NO LEAKS SHALL BE ALLOWED. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT FOR HYDROSTATIC TESTS. THESE TESTS SHALL BE WITNESSED BY A REPRESENTATIVE OF THE DISTRICT.
16. ALL SIGNAGE SHALL BE APPROVED AND INSTALLED PRIOR TO ENERGIZING THE SYSTEM WITH WATER. A SIGNAGE PLAN INDICATING USE OF RECYCLED WATER SHALL BE SUBMITTED TO THE DISTRICT FOR APPROVAL PRIOR TO INSTALLATION. AS A MINIMUM, SIGNS MUST BE POSTED AND WRITTEN IN ENGLISH AND SPANISH WITH THE INTERNATIONAL SYMBOL (DO NOT DRINK).
17. ALL METER SIZES SHALL BE VERIFIED BY THE DISTRICT. FINAL DETERMINATION OF METER SIZES IS RESERVED BY THE DISTRICT.
18. ALL RECYCLED WATER SERVICES REQUIRE BACKFLOW PREVENTION AS SHOWN IN THE POINT OF CONNECTION (POC) DETAIL. IRRIGATION SYSTEMS BEING SUPPLIED WITH RECYCLED WATER SHALL INSTALL BACKFLOW PREVENTION AND A WYE STRAINER PER DISTRICT STANDARD DRAWING WR-03, WR-04, WR-05, WR-06, and WR-08.
19. PRIOR TO ENERGIZING THE ON-SITE SYSTEM WITH WATER, ONE (1) COMPLETE SET OF LAMINATED CONTROLLER CHARTS AND ONE (1) ELECTRONIC COPY CREATED FROM THE FINAL APPROVED AS-BUILT SHALL BE PROVIDED TO THE DISTRICT.
20. EACH AUTOMATIC CONTROLLER AND ITS ASSOCIATED EQUIPMENT SHALL BE IDENTIFIED WITH A SIGN BEARING THE WORDS "RECYCLED WATER USED FOR IRRIGATION" IN ENGLISH AND SPANISH, WITH WHITE LETTERS AT LEAST 1 INCH HIGH ON A PURPLE, PANTONE 512, BACKGROUND. THE SIGN SHALL BE PLACED AS TO BE READILY SEEN BY ANY OPERATIONS PERSONNEL UTILIZING THE EQUIPMENT.
21. THE CONTRACTOR SHALL ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE. THIS SHALL INCLUDE THROTTLING THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM. CONDITIONS THAT CAUSE OVERSPRAYS, PONDING, OR RUNOFF SHALL BE ELIMINATED. ADJUST SYSTEM TO AVOID THESE CONDITIONS.
22. THE IRRIGATION SYSTEM HAS BEEN DESIGNED TO AND SHALL BE OPERATED BETWEEN THE HOURS OF 9:00 P.M. AND 6:00 A.M. UNLESS OTHERWISE APPROVED BY THE DISTRICT.
23. NO SUBSTITUTION OF PIPE MATERIALS WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE DISTRICT.
24. AN INITIAL CROSS-CONNECTION INSPECTION WILL BE DONE AT SITES WITH BOTH POTABLE AND RECYCLED WATER SERVICES BY THE DISTRICT AND/OR THE SAN DIEGO COUNTY ENVIRONMENTAL HEALTH AND QUALITY (DEHQ). COPIES OF INSPECTION REPORTS WILL BE FORWARDED TO THE NON-INSPECTING PARTY. ANNUAL INSPECTIONS OR CROSS-CONNECTION TESTING WILL BE PERFORMED THEREAFTER.
25. FAILURE TO COMPLY WITH THE DISTRICT'S RULES AND REGULATIONS IS A VIOLATION AND COULD RESULT IN SUSPENSION OF SERVICE UNTIL THE APPROPRIATE CORRECTIVE STEPS HAVE BEEN TAKEN.
26. WHEN RECYCLED WATER BECOMES AVAILABLE, AN ON-SITE CERTIFIED RECYCLED WATER SITE SUPERVISOR SHALL BE DESIGNATED IN WRITING. THIS INDIVIDUAL SHALL BE FAMILIAR WITH PLUMBING SYSTEMS WITHIN THE PROPERTY, WITH THE BASIC CONCEPTS OF BACKFLOW/CROSS CONNECTION PROTECTION, THE RECYCLED PURVEYOR'S RULES AND REGULATIONS, AND THE SPECIFIC REQUIREMENTS OF A RECYCLED WATER SYSTEM. COPIES OF THE DESIGNATION, WITH CONTACT PHONE NUMBERS SHALL BE PROVIDED TO THE OTAY WATER DISTRICT AND SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH AND QUALITY. IN CASE OF EMERGENCY, CONTACT RICK SCHROEDER AT 760.809.8848 OR AFTER HOURS CONTACT RICK SCHROEDER AT 760.809.8848 .
27. BEST MANAGEMENT PRACTICES SHALL BE USED TO ELIMINATE OR CONTROL TO THE BEST EXTENT POSSIBLE PONDING, RUN-OFF, OVER-SPRAY AND MISTING.
28. AT THE DESCRETION OF OTAY WATER DISTRICT, RECYCLED WATER QUICK COUPLERS MAY BE ALLOWED WITHIN SLOPES AND PARKWAYS.
29. RECYCLED WATER QUICK COUPLING VALVES SHALL BE OF A TYPE DESIGNED FOR USE ON RECYCLED WATER DISTRIBUTION SYSTEMS (SPIKES NOT INTERCHANGEABLE WITH POTABLE WATER QUICK COUPLER SPIKES) PER OTAY WATER DISTRICT'S RULES AND REGULATIONS.
30. ALL BUILDINGS SHALL HAVE INDIVIDUAL POTABLE WATER SHUT-OFF VALVES INSTALLED ON THE EXTERIOR OF EACH BUILDING AND SHALL BE MAINTAINED IN WORKING ORDER FOR THE PURPOSE OF THE CROSS-CONNECTION SHUTDOWN TEST. A DETAIL OF POTABLE WATER SHUT-OFF VALVE INSTALLATION MUST BE INCLUDED ON PLANS FOR DISTRICT APPROVAL.
31. ALL BOX LIDS SHALL BE BRANDED.
32. A 10-FOOT SEPARATION BETWEEN RECYCLED WATER IRRIGATION MAIN LINE TIE IN POINT AND PROJECT POINT OF CONNECTION (POC) IS TO BE MAINTAINED DURING THE CONSTRUCTION PROCESS AND IS TO BE TIED IN AT THE INSPECTIONS DIRECTION, AFTER DEH APPROVALS AND METER(S) SET(S) HAVE TAKEN PLACE.
33. ALL DUAL SOURCED RECYCLED WATER USE SITES SHALL BE DESIGNED AND BUILT TO UTILIZE SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH APPROVED TEST METHOD 1, UTILIZING PRESSURE RECORDERS FOR THE RECYCLED AND POTABLE CROSS-CONNECTION TESTING. PROPOSED ALTERNATIVE TEST METHODS MUST BE APPROVED BY THE OTAY WATER DISTRICT AND SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH AND QUALITY.

NOTE:

THIS IRRIGATION PLAN IS BASED ON RANCHO DEL REY MIDDLE SCHOOL'S EXISTING IRRIGATION SYSTEM. THE EXISTING IRRIGATION LATERALS ARE BEING SHOWN ON THIS SHEET IN GREY. THE FULL SCOPE INCLUDES THE REPLACEMENT OF EACH VALVE AND EACH IRRIGATION HEAD, BODY, AND RISER. ALL OF THE EXISTING MAINLINE AND LATERAL LINES SHALL REMAIN AND BE USED TO SUPPLY THE PROPOSED IRRIGATION SYSTEM. ANY NEW LATERAL LINES HAVE BEEN CALLED OUT AS SUCH AND ARE SHOWN IN BLACK. ALL VALVES THAT ARE TO BE REPLACED ARE TO BE REPLACED IN KIND WITH THE EXISTING SIZE PRESENT FOR THAT VALVE..

NOTE: FOR PROPOSED IRRIGATION PLAN MINIMUM 2" LATERAL PIPE SHALL BE USED

DESIGN STATEMENT:
RANCHO DEL REY MIDDLE SCHOOL IS REPLACING EXISTING PLANTING AREAS WITH MORE DROUGHT TOLERANT PLANT MATERIAL AND ARTIFICIAL TURF IN KEY AREAS. THE EXISTING IRRIGATION SYSTEM IS TO REMAIN WITH THE EXCEPTION OF THE REPLACEMENT OF EXISTING IRRIGATION VALVES AND POP-UP RISERS, BODIES, AND HEADS. NEW LATERAL LINES ARE TO BE INSTALLED ONLY WHERE NEEDED AND ARE SHOWN IN THIS SET. ALL EXISTING LATERAL LINES AND MAINLINES ARE SHOWN FOR CONTEXT.

OVERALL SITE IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
○	PROPOSED IRRIGATION SPRAY HEAD AND BODY SQ-2FUL RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	11	30	0.4	5'x5'
◎	PROPOSED IRRIGATION SPRAY HEAD AND BODY SQ-4FUL RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	4	30	0.4	8'x8'
◎	PROPOSED IRRIGATION SPRAY HEAD AND BODY SQ-4HLF RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	8	30	0.18	4'x8'
◎	PROPOSED IRRIGATION SPRAY HEAD AND BODY 15LCS RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	2	30	0.49	4'x15'
◎	PROPOSED IRRIGATION SPRAY HEAD AND BODY 15RCS RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	2	30	0.49	4'x15'
◎	PROPOSED IRRIGATION SPRAY HEAD AND BODY 15SST RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	12	30	1.21	4'x30'
◍	PROPOSED IRRIGATION SPRAY HEAD AND BODY 08H RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	60	30	0.52	8'
◍	PROPOSED IRRIGATION SPRAY HEAD AND BODY 08Q RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	13	30	0.26	8'
◍	PROPOSED IRRIGATION SPRAY HEAD AND BODY 10H RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	181	30	0.82	10'
◍	PROPOSED IRRIGATION SPRAY HEAD AND BODY 10Q RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	41	30	0.41	10'
◍	PROPOSED IRRIGATION SPRAY HEAD AND BODY 12F RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	33	30	2.6	12'
◍	PROPOSED IRRIGATION SPRAY HEAD AND BODY 12H RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	153	30	1.3	12'
◍	PROPOSED IRRIGATION SPRAY HEAD AND BODY 12Q RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	67	30	0.65	12'
◍	PROPOSED IRRIGATION SPRAY HEAD AND BODY 15F RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	66	30	3.7	15'
◍	PROPOSED IRRIGATION SPRAY HEAD AND BODY 15H RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	191	30	1.85	15'
◍	PROPOSED IRRIGATION SPRAY HEAD AND BODY 15Q RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	53	30	0.92	15'
◍	PROPOSED IRRIGATION SPRAY HEAD AND BODY 08 HE-V RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	17	30	≤ 1.19	8'
◍	PROPOSED IRRIGATION SPRAY HEAD AND BODY 10 HE-V RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	58	30	≤ 1.8	10'
◍	PROPOSED IRRIGATION SPRAY HEAD AND BODY 12 HE-V RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	67	30	≤ 2.38	12'
◍	PROPOSED IRRIGATION SPRAY HEAD AND BODY 15 HE-V RAIN BIRD 1800 HE-VAN SERIES; RD-12-NP-U; 12IN. POP-UP WITH NON-POTABLE PURPLE CAP. 1/2IN. NPT FEMALE THREADED INLET.	77	30	≤ 3.71	15'
◉	BUBBLER POPUP 5F-B RAIN BIRD 1804-NP-5 SERIES STREAM; STREAM BUBBLER 4.0IN. POPUP. NON POTABLE PURPLE CAP.	62	20	1.5	5'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
.75	PROPOSED ROTOR-RAIN BIRD 3500-S-PC-SAM-NP 0.75 SHRUB ROTOR, FIXED RISER, ADJUSTABLE AND FULL CIRCLE. WITH SEAL-A-MATIC CHECK VALVE. PURPLE CAP.	23	45	0.77	17'
1.0	PROPOSED ROTOR-RAIN BIRD 3500-S-PC-SAM-NP 1.0 SHRUB ROTOR, FIXED RISER, ADJUSTABLE AND FULL CIRCLE. WITH SEAL-A-MATIC CHECK VALVE. PURPLE CAP.	32	45	1.06	21'
1.5	PROPOSED ROTOR-RAIN BIRD 3500-S-PC-SAM-NP 1.5 SHRUB ROTOR, FIXED RISER, ADJUSTABLE AND FULL CIRCLE. WITH SEAL-A-MATIC CHECK VALVE. PURPLE CAP.	45	45	1.48	24'
2.0	PROPOSED ROTOR-RAIN BIRD 3500-S-PC-SAM-NP 2.0 SHRUB ROTOR, FIXED RISER, ADJUSTABLE AND FULL CIRCLE. WITH SEAL-A-MATIC CHECK VALVE. PURPLE CAP.	18	45	1.93	27'
3.0	PROPOSED ROTOR-RAIN BIRD 3500-S-PC-SAM-NP 3.0 SHRUB ROTOR, FIXED RISER, ADJUSTABLE AND FULL CIRCLE. WITH SEAL-A-MATIC CHECK VALVE. PURPLE CAP.	111	45	3	31'
4.0	PROPOSED ROTOR-RAIN BIRD 3500-S-PC-SAM-NP 4.0 SHRUB ROTOR, FIXED RISER, ADJUSTABLE AND FULL CIRCLE. WITH SEAL-A-MATIC CHECK VALVE. PURPLE CAP.	53	45	4.13	35'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	EXISTING VALVE - TO REMOVE AND CAP	24
	PROPOSED REMOTE CONTROL VALVE RAIN BIRD EFB-CP IVM SERIOES BRASS REMOTE CONTROL VALVE. GLOBE CONFIGURATION, RECLAIMED WATER COMPATIBLE, AND PURPLE HANDLE COVER DESIGNATES NON-POTABLE WATER USE.	75
	EXISTING SPRINKLER HEAD - TO BE REMOVED AND CAPPED REMOVE POP-UP BODY, CAP SWING JOINT, AND BURY. LEAVE PERMANENT FLAG IN PLACE FOR FUTURE RENOVATION.	424
	EXISTING QUICK COUPLING VALVE - TO REMOVE AND CAP	46
	PRESSURE REGULATOR APOLLO VALVES 3610801: PRESSURE REDUCING VALVE, SINGLE UNION NPT CONNECTION, SIZE 1-2IN., 25-75 PSI PRESSURE RANGE, BRONZE ASTM B584 BODY	6
IC	PROPOSED IRRIGATION CONTROLLER RAIN BIRD ESPLXME2P IRRIGATION CONTROLLER W/ MCC-4G CELLULAR CARTRIDGE AND FS SERIES FLOW SENSOR SIZED PER THE EXISTING MAINLINE. STAINLESS STEEL LXMMP PEDESTAL. MAINTENANCE TO INSTALL IQ4 SOFTWARE FOR DIGITAL ACCESS. CONTRACTOR TO CALL RAINBIRD TO SCHEDULE FIELD APPOINTMENT W/ MAINTENANCE.	2
S	"DO NOT DRINK" SIGN LOCATION	50
FH	EXISTING FIRE HYDRANT	4
WM	EXISTING WATER METER	1
———	NEW RW IRRIGATION LATERAL LINE: PVC SCHEDULE 40	2,009 LF
———	EXISTING RW IRRIGATION LATERAL LINE TO REMAIN: PVC SCHEDULE 40	22,801 LF
— — — —	EXISTING RW IRRIGATION MAINLINE TO REMAIN: PVC SCHEDULE 40	9,535 LF

IDENTIFICATION STAMP
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LICENSED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA
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12/31/2026
Renewal Date
2/6/2026
Date

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SWEETWATER UNION HIGH SCHOOL DISTRICT

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	AC
Checked By	:	ZM
Revisions	:	

IRRIGATION NOTES AND SCHEDULE

L200

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PROPERTY LINE

PROTECTED IN PLACE

CONTRACTOR TO UPDATE RECYCLED POC SEQUENCE TO CURRENT STANDARD.

PASEO RANCHERO

EXIST. 12" PVC WA

LIMIT OF WORK

DO NOT DRINK SIGN TYP.

EXISTING TURF FIELDS AND IRRIGATION SYSTEM TO REMAIN SHOWN IN LIGHT GREY

OUTDOOR PLAY AREAS SHALL BE PROTECTED AGAINST CONTACT WITH RECYCLED WATER OVERSPRAY, MIST, OR RUN-OFF. TYPICAL ALL SHEETS

HANDBALL COURTS

BASKETBALL COURTS

LIMIT OF WORK

DRINKING FNTN.

BUILDING 500

BLDG 500

LANDSCAPE IMNPROVEMENTS PART OF THE INTERIM HOUSING PHASE OF THE PROJECT. REFER TO INTERIM HOUSING LANDSCAPE PLANS FOR INTENT FOR THESE AREAS.

ALL EXISTING TURF SPRAY HEADS ASSOCIATED WITH VALVE B26 TO BE CAPPED. VALVE B26 TO BE RELOCATED AND REUSED TO IRRIGATE PROPOSED TREES; LATERAL LINES AND TREE BUBBLERS FOR VALVE B26 PER PLAN.

VALVE B27 TO BE RELOCATED.

EATING AREA

LANDSCAPE IMNPROVEMENTS PART OF THE INTERIM HOUSING PHASE OF THE PROJECT. REFER TO INTERIM HOUSING LANDSCAPE PLANS FOR INTENT FOR THESE AREAS.

DRINKING FNTN.

DRINKING FOUNTAINS SHALL BE PROTECTED AGAINST CONTACT WITH RECYCLED WATER SPRAY, MIST, OR RUN-OFF, PER DEHQ RECYCLED WATER NOTE 2. TYPICAL ALL SHEETS

BUILDING 1000

DRINKING FNTN.

ALL EXISTING TURF SPRAY HEADS ASSOCIATED WITH VALVE B26 TO BE CAPPED. VALVE B26 TO BE RELOCATED AND REUSED TO IRRIGATE PROPOSED TREES;

DRINKING FOUNTAINS, EATING AREAS, AND OUTDOOR PLAY AREAS SHALL BE PROTECTED AGAINST CONTACT WITH RECYCLED WATER OVERSPRAY, MIST, OR RUN-OFF.

TIE INTO EXISTING

LIMIT OF WORK

DO NOT DRINK SIGN TYP.

VALVE D9 TO BE RELOCATED

804 A#04-100988

VALVE D9, D14, D15 RELOCATED HERE

1310 A#106530

805 A#04-100988

1309 A#106530

806 A#04-100988

1308 A#106530

VALVES D14, D15, AND D16 TO BE RELOCATED

1307 A#106530

807 A#04-100988

1306 A#106530

VALVES D16 AND D17 RELOCATED HERE

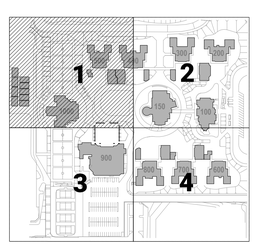
VALVE D17 TO BE RELOCATED

DO NOT DRINK SIGN TYP.

LIMIT OF WORK

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

KEY PLAN



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GREGORY MCCULLOUGH
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12/31/2026
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DSA BACKCHECK

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SWEETWATER UNION HIGH SCHOOL DISTRICT
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Revisions	:	

IRRIGATION PLAN

L201

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PASEO RANCHERO

LIMIT OF WORK

LOCATION OF EXISTING DOMESTIC WATER POC AND BACKFLOW ASSEMBLY (POTABLE) TO BE PROTECTED IN PLACE

PROPERTY LINE

DO NOT DRINK SIGN TYP.

EXISTING FIRE BACKFLOW TO REMAIN

FIRE HYDRANT

DRINKING FNTN.

DRINKING FOUNTAINS SHALL BE PROTECTED AGAINST CONTACT WITH RECYCLED WATER SPRAY, MIST, OR RUN-OFF, PER DEHQ RECYCLED WATER NOTE 2. TYPICAL ALL SHEETS

BUILDING 400

BUILDING 300

BUILDING 200

BUILDING 150

BUILDING 100 ADMINISTRATION

BLDG 400

BLDG 300

EATING AREA

SCHOOL SIGN

REROUTED STORM DRAIN

E. J STREET

EAST "J" STREET

24" RCP

18" RCP STORM DRAIN

30" RCP STORM DRAIN

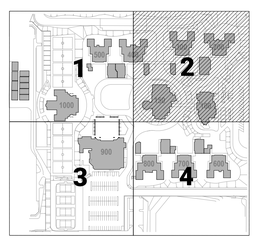
8" PVC SEWER

10" PVC RECLAIMED WATER MAIN

16" PVC WATER MAIN

SCALE: 1"=20'-0"

KEY PLAN



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GARY W. MCCULLOUGH
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Revisions	:	

IRRIGATION PLAN

L202

DSA BACKCHECK

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LIMIT OF WORK

BALL FIELDS

EXISTING TURF FIELDS AND IRRIGATION SYSTEM TO REMAIN SHOWN IN LIGHT GREY

OUTDOOR PLAY AREAS SHALL BE PROTECTED AGAINST CONTACT WITH RECYCLED WATER OVERSPRAY, MIST, OR RUN-OFF. TYPICAL ALL SHEETS

LIMIT OF WORK

BASKETBALL COURTS

CAPPED. VALVE B26 TO BE RELOCATED AND REUSED TO IRRIGATE PROPOSED TREES; LATERAL LINES AND TREE BUBBLERS FOR VALVE B26 PER PLAN.

VALVE B27 TO BE RELOCATED.

AGAINST CONTACT WITH RECYCLED WATER OVERSPRAY, MIST, OR RUN-OFF. TYPICAL ALL SHEETS

EATING AREA

EATING AREA

EATING AREA

DRINKING FNTN.

BUILDING 900

DRINKING FOUNTAINS SHALL BE PROTECTED AGAINST CONTACT WITH RECYCLED WATER SPRAY, MIST, OR RUN-OFF, PER DEHQ RECYCLED WATER NOTE 2. TYPICAL ALL SHEETS

DO NOT DRINK SIGN TYP.

OUTDOOR PLAY AREAS SHALL BE PROTECTED AGAINST CONTACT WITH RECYCLED WATER OVERSPRAY, MIST, OR RUN-OFF. TYPICAL ALL SHEETS

LIMIT OF WORK

NEW CURB PER CIVIL

LIMIT OF WORK

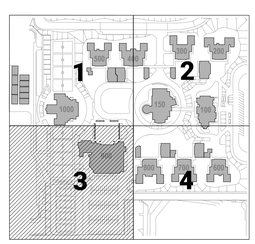
TENNIS COURTS OR SPEED SOCCER

EXISTING TURF FIELDS AND IRRIGATION SYSTEM TO REMAIN SHOWN IN LIGHT GREY

21" RCP STORM DRAIN

PROPERTY LINE

SCALE: 1"=20'-0"



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SWEETWATER UNION HIGH SCHOOL DISTRICT

DSA BACKCHECK

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	AC
Checked By	:	ZM
Revisions	:	

IRRIGATION PLAN

L203

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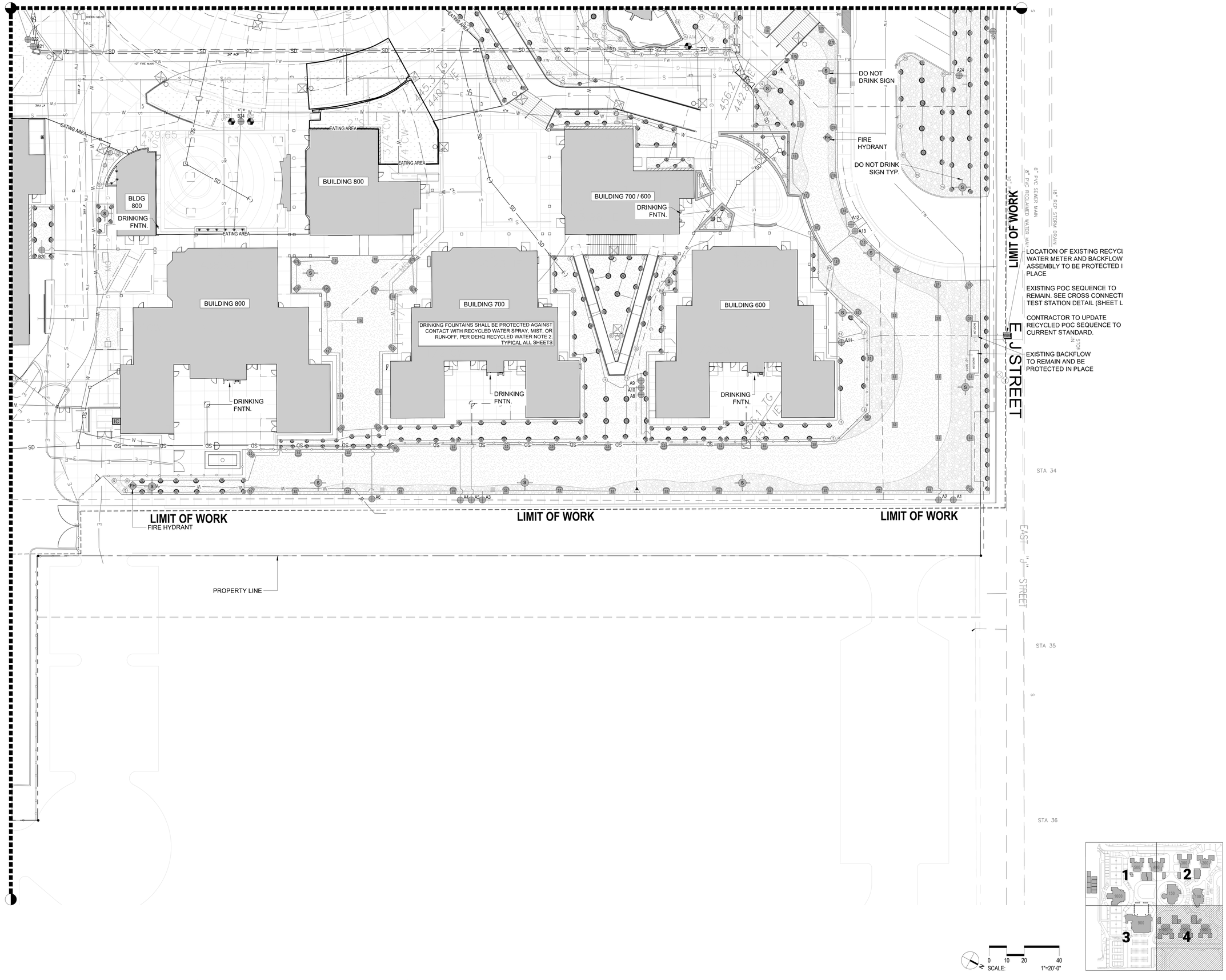

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

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All ideas, designs, and arrangements indicated on these drawings are intended to be used in connection with this specific project only and shall not otherwise be used for any purpose whatsoever without the written consent of Architects Mosher Drew. There shall be no changes or deviations from these drawings or the accompanying specifications without the written consent of Architects Mosher Drew.

LICENSED LANDSCAPE ARCHITECT
GREG W. MCCULLOUGH
Signature
12/31/2026
Renewal Date
2/9/2026
Date
STATE OF CALIFORNIA

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IRRIGATION PLAN

L204

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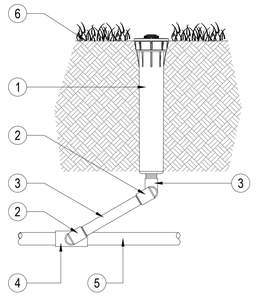
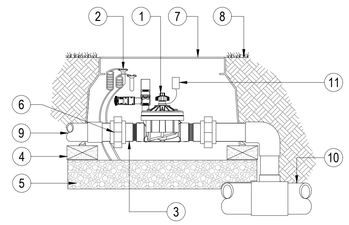
1. POP UP SPRINKLER PER IRRIGATION PLAN.
2. PVC SCH 40 STREET ELLS.
3. SCH 80 NIPPLE (LENGTH AS REQUIRED).
4. PVC SCH 40 LATERAL TEE OR ELL.
5. PVC LATERAL PIPE.
6. FINISH GRADE.



9 POP UP SPRINKLER - FIXED JOINT

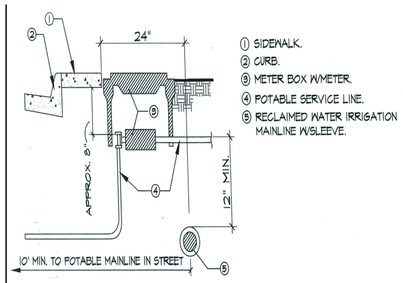
NTS

1. REMOTE CONTROL VALVE PER IRRIGATION PLAN.
2. (2) WATERPROOF CONNECTORS.
3. SCH 80 T.O.E. NIPPLE
4. BRICK SUPPORTS AS NEEDED.
5. 3/8" PEA GRAVEL.
6. PVC SLIP UNIONS.
7. PURPLE VALVE BOX. BRANDED "RCV-(VALVE#)" WITH 2" HIGH CHARACTERS.
8. FINISH GRADE.
9. PVC LATERAL PIPE.
10. MAIN LINE PIPE.
11. BILINGUAL (ENG/SPA) DO NOT DRINK TAG - RW.



7 REMOTE CONTROL VALVE - RW

1 1/2" = 1'-0"

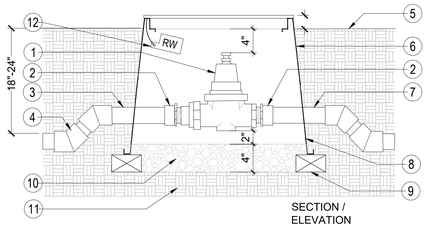


1. SIDEWALK.
2. CURB.
3. METER BOX W/METER.
4. POTABLE SERVICE LINE.
5. RECLAIMED WATER IRRIGATION MAINLINE W/SLEEVE.

NOTE:
VERTICAL CLEARANCE OF 12" MIN. IS MANDATORY WHEN CROSSING PATH OF A POTABLE WATER LINE. INSTALLATION OF RECLAIMED WATER IRRIGATION MAINLINE 24" FROM FACE OF SIDEWALK WILL PROVIDE THE NECESSARY 10' HORIZONTAL CLEARANCE FROM POTABLE MAINLINE IN THE STREET.

4 DEH - POTABLE SERVICE LINE CROSSING

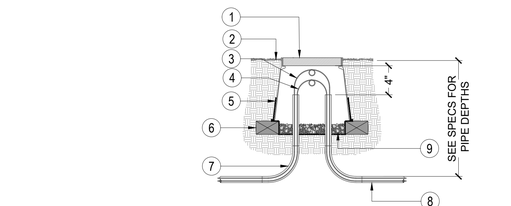
NTS



1. PRESSURE REGULATOR (WATTS LF223 OR APPROVED EQUAL)
2. BRASS MALE ADAPTER (2 REQUIRED) USE REDUCING ADAPTERS
3. TYPE "K" COPPER OR BRASS MAINLINE PIPING METER (MATCH EXISTING SIZE)
4. BRASS 45 DEGREE ELL (4 REQUIRED)
5. FINISH GRADE
6. RECTANGULAR PLASTIC VALVE BOX WITH PURPLE LOCKING LID (NDS #314PBCBR) - HEAT BRAND "PR" ON LID IN 2" HIGH BLOCK LETTERS
7. TYPE "K" COPPER OR BRASS MAINLINE PIPING TO TEST STATION (MATCH EXISTING SIZE)
8. RECTANGULAR PLASTIC VALVE BOX EXTENSION (NDS #214-6)
9. COMMON BRICK SUPPORTS (4 REQUIRED)
10. FILL BASE OF BOX WITH 3/8" PEA GRAVEL
11. NATIVE SOIL
12. RECYCLED WATER WARNING TAG 1/2" IN TURF AREAS, 2" IN SHRUB AREAS

1 PRESSURE REGULATOR

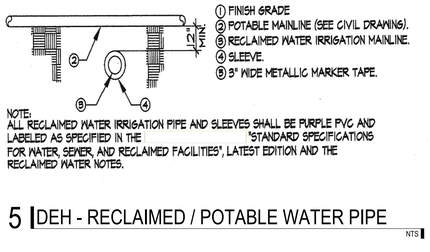
NTS



1. 10" ROUND BLACK PLASTIC BOX W/ LOCKING LID FLUSH IN LAWN AREAS, 2" ABOVE FINISHED GRADE IN SHRUB AREAS
2. FINISHED GRADE
3. FLOW SENSOR CABLE, PROVIDE A 12" MINIMUM WIRE COIL IN BOX
4. MASTER VALVE CABLE, PROVIDE A 12" MINIMUM WIRE COIL IN BOX
5. WRAP BOTTOM AND SIDES OF BOX WITH APPROVED FILTER FABRIC
6. STANDARD BRICK SUPPORT UNMORTARED (2 REQUIRED)
7. 1 1/4" SCH. 40 PVC (GRAY) CONDUIT LONG SWEEP (2 REQUIRED)
8. 1 1/4" SCH. 40 PVC (GRAY) ELECTRICAL CONDUIT FOR CONTROL CABLES
9. 3/8" PEA GRAVEL SUMP IN BOTTOM OF VALVE BOX, MIN. 4" DEPTH

8 CABLE PULL BOX

6" = 1'-0"



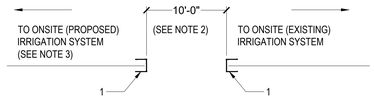
NOTE:
WHERE POTABLE LINES AND CONSTANT PRESSURE RECLAIMED WATER LINES CROSS, THE RECLAIMED LINES SHALL BE INSTALLED BELOW THE POTALE WATER LINE IN A CLASS 200 PURPLE COLORED PVC SLEEVE. THE SLEEVE SHALL EXTEND 10-FEET ON EITHER SIDE OF THE POTABLE LINE FOR A TOTAL OF 20-FEET.

1. FINISH GRADE
2. POTABLE MAINLINE (SEE CIVIL DRAWINGS).
3. RECLAIMED WATER IRRIGATION MAINLINE.
4. SLEEVE.
5. 3" WIDE METALLIC MARKER TAPE.

NOTE:
ALL RECLAIMED WATER IRRIGATION PIPE AND SLEEVES SHALL BE PURPLE PVC AND LABELED AS SPECIFIED IN THE "STANDARD SPECIFICATIONS FOR WATER, SEWER, AND RECLAIMED FACILITIES", LATEST EDITION AND THE RECLAIMED WATER NOTES.

5 DEH - RECLAIMED / POTABLE WATER PIPE

NTS



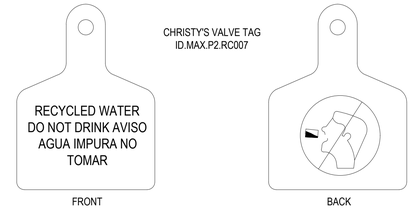
NOTES:

1. STUBOUTS SHALL BE VISIBLE AT ALL TIMES (12" MIN. ABOVE EXISTING GRADE).
2. MAINTAIN 10-FOOT MIN. SEPARATION BETWEEN EXISTING AND PROPOSED IRRIGATION SYSTEM AT ALL TIMES DURING CONSTRUCTION.
3. CONTRACTOR SHALL SATISFY ALL THE REQUIREMENTS OF THE SD WAS STANDARD SPECIFICATIONS, AND DRAWINGS PRIOR TO
4. SCHEDULING THE FINAL CONNECTION WITH OTAY WATER DISTRICT. CONTRACTOR SHALL PERFORM FINAL CONNECTION WITH DISTRICT REPRESENTATIVE(S) PRESENT AT TIME OF FINAL CONNECTION BETWEEN EXISTING AND PROPOSED IRRIGATION SYSTEMS.

6 OWD 10-FOOT SEPARATION DETAIL

NTS

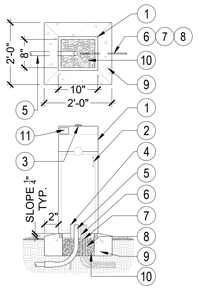
INSPECTION NOTE
THE OTAY WATER DISTRICT SHALL BE NOTIFIED FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (619) 670-2244. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.



SAMPLE WARNING TAG. BACKGROUND PURPLE WITH BLACK LETTERING.

2 RECYCLED WATER TAG

NTS

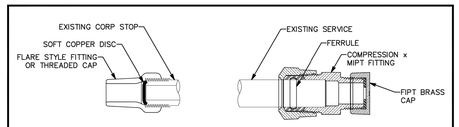


1. STAINLESS STEEL ENCLOSURE 16" WIDE UNIT.
2. RADIO REMOTE ANTENNA TO BE INSTALLED INSIDE ENCLOSURE.
3. MOUNT DOME TYPE COMMUNICATION ANTENNA ON TOP OF ENCLOSURE.
4. GROUNDING ROD, INSTALLED PER MANUFACTURER'S SPECIFICATION.
5. 2" WIRE CONDUIT AND LONG SWEEP FOR CONTROL AND COMMON WIRES.
6. 1-1/4" WIRE CONDUIT AND LONG SWEEP FOR MASTER VALVE AND FLOW SENSOR.
7. 1" WIRE CONDUIT AND LONG SWEEP FOR TELEPHONE SERVICE.
8. 1" WIRE CONDUIT AND LONG SWEEP FOR POWER SUPPLY FROM SOURCE.
9. 8" CONCRETE BASE, INSTALL 2" ABOVE FINISHED GRADE.
10. 3/4" GRAVEL SUMP, 18" DEEP FOR INSTALLATION OF CONDUITS.
11. RW ID - ON FRONT OF CONTROLLER BOX

NOTE: CONDUITS AND SWEEPS SHALL BE SHC, 40 (GREY) PVC ELECTRICAL TYPE. ALL CONDUITS SHALL SWEEP IN THE DIRECTION OF THEIR SOURCE.

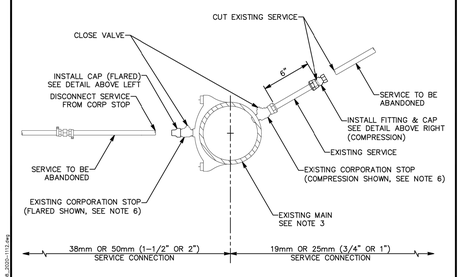
3 CONTROLLER PEDESTAL

N.T.S.



FLARED CORPORATION STOP DETAIL

COMPRESSION CORPORATION STOP DETAIL

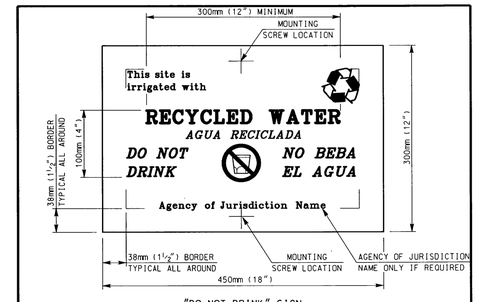


NOTES:
1) REFER TO SECTION 15000 & 15057 OF THE SPECIFICATIONS
2) EXISTING VALVES SHALL BE TURNED TO THE CLOSED POSITION AND VALVE BOXES CUT OFF AND REMOVED
3) USE THREADED PLUG TO PLUG SERVICE WITH THREADED CONNECTION
4) FOR ABANDONMENT OF EXISTING MAINS SEE WP-03
5) PRIOR DISTRICT APPROVAL REQUIRED
6) EXISTING CORPORATION STOP CAN BE EITHER FLARED OR COMPRESSION FOR ALL PIPE SIZES. REFER TO APPROPRIATE CORP STOP DETAIL ABOVE FOR WATER SERVICE ABANDONMENT.

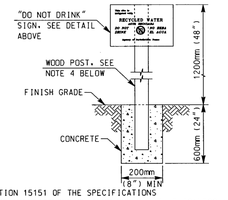
LEGEND ON PLANS

EXISTING WATER SERVICE ABANDONMENT

WATER AGENCIES' STANDARDS	
COMMITTEE APPROVAL:	11/12/2020
DRAWING NUMBER:	WS-08



"DO NOT DRINK" SIGN



NOTES:
1) REFER TO SECTION 15151 OF THE SPECIFICATIONS
2) SIGNS SHALL BE MANUFACTURED OF ALUMINUM SHEET. THICKNESS 1.6mm (0.063" OR 18 GAGE)
3) THE SIGN SHALL INCORPORATE A PURPLE BACKGROUND WITH WHITE LETTERS AND SYMBOLS
4) SIGNS SHALL BE MOUNTED ON A 100mm x 100mm (4" x 4") PRESSURE TREATED WOOD POST SET IN CONCRETE. ATTACH THE SIGN TO THE POST USING 6.4mm x 38mm (¼" x 2½") ANODIZED LAG SCREWS AND WASHERS (2 EACH)

RECYCLED WATER "DO NOT DRINK" SIGN

WATER AGENCIES STANDARDS	
COMMITTEE APPROVAL:	11/16/2007
DRAWING NUMBER:	WM-08

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DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

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LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER MCCULLOUGH
Signature
12/31/2026
Renewal Date
2/11/2026
Date
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IRRIGATION DETAILS

L210

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PLANTING NOTES:

1. REFER TO PLANTING SPECIFICATIONS AND DETAILS FOR SOIL PREPARATION, FERTILIZATION, MULCHING AND OTHER PLANTING INFORMATION.
2. NOTIFY OWNER'S AUTHORIZED REPRESENTATIVE 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULES.
3. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK. NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY SHOULD FIELD CONDITIONS VARY FROM THOSE SHOWN ON PLAN.
4. REPORT DISCREPANCIES IN THE DRAWINGS OR BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS TO THE LANDSCAPE ARCHITECT. CORRECTED DRAWINGS OR INSTRUCTION SHALL BE ISSUED PRIOR TO THE CONTINUATION OF THIS WORK. ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY CORRECTIONS DUE TO FAILURE TO REPORT KNOWN DISCREPANCIES.
5. LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND PROTECT THEM FROM DAMAGE. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY AND ASSUME FULL RESPONSIBILITY FOR EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH DAMAGED UTILITIES.
6. LOCATION OF N.I.C. CONSTRUCTION ELEMENTS SUCH AS LIGHTS, SIGNS, VENTS HYDRANTS, TRANSFORMERS, ETC. ARE APPROXIMATE. NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY SHOULD THE LOCATION OF THESE ITEMS INTERFERE WITH THE PROPER EXECUTION OF WORK.
7. OBTAIN ALL SOIL FOR LANDSCAPE PLANTING AREAS OR BERMS FROM ON-SITE EXCAVATIONS. SHOULD IMPORT SOIL BE NECESSARY, SUBMIT IMPORT SOIL TESTING RESULTS FOR APPROVAL PRIOR TO IMPORTATION. SOIL SHALL BE SANDY LOAM CONTAINING NO TOXIC CHEMICALS OR ELEMENTS WHICH MAY INHIBIT OR RETARD NORMAL PLANT GROWTH.
8. AFTER ROUGH GRADES HAVE BEEN ESTABLISHED IN PLANTING AREAS, TAKE TWO SAMPLES EACH AT (2) TWO LOCATIONS ON EITHER SIDE OF THE PROJECT. SAMPLES SHALL BE TAKEN THUSLY: (1) GROUND LEVEL TO 10" DEEP, (2) 24" TO 36" DEEP. EACH SAMPLE SHALL CONTAIN APPROXIMATELY 1 QUART OF SOIL TO BE LABELED PER LOCATION AND DEPTH.
   - 8.1. HAVE SAMPLES TESTED BY A CERTIFIED AGRONOMIC SOILS TESTING LAB, FOR SOIL FERTILITY, AGRICULTURAL SUITABILITY TEST AND SOIL PREPARATION RECOMMENDATIONS.
   - 8.2. INSTALL SOIL PREPARATION AND BACK FILL MIX TO CONFORM TO THESE RECOMMENDATIONS.
   - 8.3. SUBMIT SOIL REPORT TO LANDSCAPE ARCHITECT PRIOR TO PLANTING.
   - 8.4. FOR BID PURPOSES, PROVIDE SOIL PREPARATION AND BACKFILL BID BASED ON SOILS RECOMMENDATIONS REPORT.
9. KILL AND REMOVE ALL EXISTING WEEDS FROM SITE AREAS PER SPECIFICATIONS.
10. ASSURE POSITIVE DRAINAGE IN ALL PLANTING AREAS, 2% MINIMUM.
11. SUBMITTALS FOR TREES AND SHRUBS: PROVIDE PHOTOS OF REPRESENTATIVE EXAMPLES IN MASSINGS FOR EACH PLANT SPECIFIED ON THE PLANS TO LANDSCAPE ARCHITECT MINIMUM 21 DAYS BEFORE ANTICIPATED DELIVERY. PHOTOS SHALL INCLUDE A PERSON FOR SCALE PURPOSES. LANDSCAPE ARCHITECT MAY OPT TO REVIEW MATERIAL AT GROWING NURSERY.
   - 11.1. MATERIAL SHALL BE IN CONFORMANCE WITH PLANTING PLAN DESCRIPTIONS AND SPECIFICATIONS.
   - 11.2. ALL TREES WITHIN A SPECIES SHALL HAVE MATCHING FORM.
   - 11.3. CONTACT LANDSCAPE ARCHITECT TO SCHEDULE AN IN-PERSON REVIEW OF PLANT MATERIAL UPON DELIVERY TO OBTAIN APPROVAL PRIOR TO INSTALLATION. MATERIAL DELIVERED TO THE SITE MAY BE REJECTED BASED ON UNHEALTHFUL APPEARANCE OR NON CONFORMANCE WITH SPECIFICATIONS EVEN IF PREVIOUSLY REVIEWED BY THE LANDSCAPE ARCHITECT OR OWNER.
12. FINAL PLANT PLACEMENT: FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE. CONTACT LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE TO SCHEDULE REVIEW AND APPROVAL OF FINAL PLANT LOCATIONS. CONTRACTOR TO STAGE PLANT MATERIAL AS INDICATED ON PLANTING PLANS PRIOR TO PLANTING.
13. PLANTING QUANTITIES ARE GIVEN FOR CONVENIENCE ONLY. PLANT SYMBOLS AND SPACING, IF SPECIFIED, SHALL TAKE PRECEDENCE.
14. AT EDGES OF PLANTING AREAS, THE CENTER LINE OF THE LAST ROW OF SHRUBS AND/OR GROUND COVER SHALL BE LOCATED NO FARTHER FROM THE EDGE THAN ONE-HALF THE SPECIFIED ON-CENTER SPACING.
15. INSTALL GROUND COVER AND/OR SHRUB MASSES WITH TRIANGULAR SPACING UNLESS OTHERWISE INDICATED.
16. PROVIDE FERTILIZER TABLETS FOR EACH CONTAINER GROWN PLANT 1 GALLON AND LARGER PER SPECIFICATIONS.
17. FOR ALL TREES WITHIN 5'-0" OF PAVING, INSTALL ROOT BARRIER ALONG PAVING EDGE BY DEEP ROOT CORPORATION (800) 458-7668.
18. ALL CURVE TO CURVE AND CURVE TO TANGENT LINES SHALL BE NEAT, TRIM, SMOOTH AND UNIFORM.
19. STAKES: REMOVE ALL NURSERY STAKES AND ESPALIER RACKS IMMEDIATELY AFTER INSTALLATION UPON PROVIDING SUPPORT PER PLAN.
22. STAKES: NEW STAKES SHALL BE REMOVED BY OWNER'S MAINTENANCE REPRESENTATIVE WITHIN 2 SEASONS.
23. LIST ON THE PLANT MATERIAL GUARANTEE ALL EXISTING TREES THAT HAVE HAD WORK PERFORMED WITHIN 6' OF TRUNK.
24. PALMS - ANY PALMS INDICATED ON THE PLANS SHALL BE FURNISHED BY THE CONTRACTOR IN A "SKINNED" TRUNK CONDITION UNLESS NOTED OTHERWISE OR INDICATED BY THE LANDSCAPE ARCHITECT.
25. DURING THE LENGTH OF THE GUARANTEE PERIOD BE RESPONSIBLE FOR PROPER STAKING AND/OR GUYING OF TREES TO ENSURE STABILITY.
26. MULCH ALL LANDSCAPE AREAS (EXCLUDING TURF) HAVING LESS THAN A 2:1 SLOPE WITH A 3" DEEP LAYER OF DECORATIVE BARK MULCH - SMALL BARK; OBTAINED FROM SOCAL MULCH, INC. @ https://socalmulch.com/decorative-ground-cover/, OR EQUAL UPON APPROVAL BY LANDSCAPE ARCHITECT

TREE PROTECTION NOTES:

1. LARGE ELEMENTS LIKE TREES ARE SLOW TO ADJUST TO CHANGES IN THEIR ENVIRONMENT. TYPICALLY THE MOST DAMAGING IMPACTS TO TREES ARE FROM LOSS OF ROOTS, REDUCED WATER AVAILABILITY AND CHANGES IN SOIL LEVEL OR GRADE. THESE CHANGES RESULT IN A SLOW DECLINE OF TREES HEALTH OVER MANY YEARS AND OFTEN IS IRREVERSIBLE. IF A ROOT OR TREE CONFLICT OCCURS THE LANDSCAPE ARCHITECT MUST BE CONTACTED SO THAT APPROPRIATE ACTION IS TAKEN TO RESOLVE THE CONFLICT.
2. CONSTRUCTION IMPACTS ARE GENERALLY AS FOLLOWS:
3. COMPACTION - SOIL MUST BE POROUS TO ALLOW WATER AND AIR TO BE AVAILABLE TO ROOTS. COMPACTED SOIL WHILE REQUIRED FOR STRUCTURAL BUILDING DOES REDUCE OR ELIMINATE THE ROOT GROWTH REQUIREMENTS OF AN EFFECTIVE ROOTING AREA.
4. DRAINAGE - SOIL MOISTURE CAN BE AFFECTED BY ALTERED DRAINAGE PATTERNS. TOO MUCH OR TOO LITTLE SOIL MOISTURE CAN HAVE A DETRIMENTAL EFFECT ON TREE ROOT GROWTH AND TREE ANCHORAGE AS WELL AS TREE HEALTH.
5. GRADE CHANGES - ADDING SOIL OVER EXISTING ROOTS OF TREES IS DETRIMENTAL TO THEIR HEALTH. REMOVING SOIL AND THE ROOTS IT CONTAINS IS ALSO DETRIMENTAL TO TREE HEALTH. THE TREES WILL DECLINE AND DIE OVER A PERIOD OF YEARS. PAST PRACTICES WITH TREE WELLS AND TREE ISLANDS HAVE NOT PROVEN EFFECTIVE AS A TREE PRESERVATION METHOD.
6. TREE ROOT DAMAGE - TREE ROOT DAMAGE USUALLY RESULTS FROM EXCAVATING, SOIL TRENCHING AND GRADE CHANGES. WHEN ROOTS ARE ENCOUNTERED THEY SHOULD NOT BE PULLED OR TORN OUT IF THEY ARE ATTACHED TO A PRESERVED TREE. ROOTS OVER 1 INCH IN DIAMETER WITHIN A RADIUS OF 8 FEET OF A PROTECTED TREE WILL REQUIRE DISCUSSION WITH THE LANDSCAPE ARCHITECT TO DETERMINE IMPACT OF LOSS. WHEN ROOT PRUNING IS REQUIRED, ROOTS SHALL BE SQUARE CUT IN A PROPER MANNER TO AVOID FRAYED ENDS. THIS REDUCES DECAY AND PROMOTES FASTER CLOSURE AND RE-GROWTH. WOUND DRESSING MATERIAL IS NOT REQUIRED. DURING HARDSCAPE, WALKWAYS, ETC. REMOVAL, PLEASE ARRANGE FOR A LANDSCAPE ARCHITECT TO BE PRESENT TO ENSURE THAT ANY ROOT REMOVAL DOES NOT CREATE UNNECESSARY IMPACT OF TREES TO BE PRESERVED.
7. TREE PHYSICAL INJURY - THIS OCCURS FROM DIRECT EQUIPMENT IMPACT AND CULTURAL CHANGES TO SOIL MOISTURE OR CHEMICAL / PETROL CONTAMINATION TO SOIL. MAINTAINING SUFFICIENT CLEARANCE AWAY FROM THE TREE WILL REDUCE THE DIRECT IMPACT FROM EQUIPMENT. IF OVERHEAD CLEARANCE IS REQUIRED CONTACT THE LANDSCAPE ARCHITECT FOR RESOLUTION.

THE FOLLOWING GUIDELINES ARE NECESSARY TO PROTECT TREES DURING CONSTRUCTION PROJECTS:

1. A ROOT PROTECTION ZONE SHALL BE DEFINED BY A FOUR-FOOT HIGH TWO-BY-FOUR BARRIER CONSTRUCTED AROUND ANY POTENTIALLY IMPACTED TREE. THIS BARRIER SHALL BE AT THE DRIP LINE OR AT A DISTANCE FROM THE TRUNK EQUAL TO 6 INCHES FOR EACH INCH OF TRUNK DIAMETER 4 1/2 FEET ABOVE THE GROUND IF THIS METHOD DEFINES A LARGER AREA.
2. SHOULD IT BE NECESSARY TO TRENCH WITHIN THE 8 FT RADIUS OF TREE, TRENCHES SHALL BE HAND DUG. NO ROOTS LARGER THAN ONE INCH SHALL BE CUT UNLESS NO OTHER ALTERNATIVE IS FEASIBLE. ALL SMALLER ROOTS THAT MUST BE CUT SHALL BE SAW CUT (NO TRENCHERS) FLUSH WITH THE SIDE OF THE TRENCH. IF AT ANY TIME 25 PERCENT OF THE AREA WITHIN THE ROOT PROTECTION ZONE IS BEING SEPARATED FROM THE TREES BY A TRENCH, THE LINE SHALL BE LOCATED BY BORING OR AN ALTERNATIVE LOCATION FOR THE TRENCH ESTABLISHED. THE MINIMUM CLEARANCE BETWEEN AN OPEN TRENCH AND A STREET TREE SHALL BE ONE (1) FOOT, OR SIX (6) INCHES FOR EACH INCH OF TRUNK DIAMETER MEASURED AT 4.5 FEET ABOVE EXISTING GRADE IF THIS METHOD DEFINES A LARGER DISTANCE. THE MAXIMUM CLEARANCE SHALL BE TEN (10) FEET. THE CONTRACTOR SHALL CONFORM TO THESE PROVISIONS UNLESS OTHERWISE DIRECTED OTHERWISE.
3. AT NO TIME SHALL ANY EQUIPMENT, MATERIALS, SUPPLIES OR FILL BE ALLOWED WITHIN THE PRESCRIBED ROOT PROTECTION ZONE UNLESS OTHERWISE DIRECTED. THE ROOT PROTECTION ZONE IS DEFINED AS THE LARGER OF THE DRIP LINE OF THE TREE OR THE DISTANCE FROM THE TRUNK EQUAL TO SIX (6) INCHES FOR EACH INCH OF TRUNK DIAMETER MEASURED AT 4.5 FEET ABOVE EXISTING GRADE.
4. WHEN DEALING WITH COLUMNAR TREE SPECIES THE DRIP LINE AND ROOT PROTECTION ZONE IS INADEQUATE AND MUST BE ADJUSTED TO REFLECT A ROOT PROTECTION RADIUS OF 40% OF THE OVERALL TREE HEIGHT.

EXISTING TREE MAINTENANCE NOTE:
CARE SHALL BE USED DURING THE DEMOLITION AND CONSTRUCTION PROCESS TO ENSURE THAT EXISTING TREES TO REMAIN ARE PROPERLY MAINTAINED. CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION FENCING AROUND EACH EXISTING TREE TO REMAIN. TREES SHALL BE PROPERLY IRRIGATED AND KEPT IN A HEALTHY GROWING CONDITION.

SB	SALVIA X 'BEE'S BLISS' BEE'S BLISS SAGE	1 GAL	63
WM	WESTRINGIA FRUTICOSA 'MORNING LIGHT' MORNING LIGHT COAST ROSEMARY	5 GAL	21
GROUND COVERS			
	BACCHARIS PILULARIS 'PIGEON POINT' PIGEON POINT COYOTE BRUSH	1G-5GAL	1,636
	MYOPORUM X 'PACIFICUM' PACIFICA MYOPRORUM	1G-5GAL	187
	MYRTUS COMMUNIS 'COMPACTA' DWARF COMMON MYRTLE	1G-5GAL	488

DESIGN STATEMENT:
RANCHO DEL REY MIDDLE SCHOOL IS REPLACING EXISTING PLANTING AREAS WITH MORE DROUGHT TOLERANT PLANT MATERIAL AND ARTIFICIAL TURF IN KEY AREAS. THE EXISTING IRRIGATION SYSTEM IS TO REMAIN WITH THE EXCEPTION OF THE REPLACEMENT OF EXISTING IRRIGATION VALVES AND POP-UP RISERS, BODIES, AND HEADS. NEW LATERAL LINES ARE TO BE INSTALLED ONLY WHERE NEEDED AND ARE SHOWN IN THIS SET. ALL EXISTING LATERAL LINES AND MAINLINES ARE SHOWN FOR CONTEXT.

OVERALL SITE PLANT SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME	CONTAINER	QTY
TREES			
	ACACIA STENOPHYLLA SHOESTRING ACACIA	24" BOX	6
	ACACIA XANTHOPHLOEA FEVER TREE	36" BOX	3
	OLEA EUROPAEA 'SWAN HILL' SWAN HILL FRUITLESS OLIVE	24" BOX	27
	PARKINSONIA ACULEATA MEXICAN PALO VERDE	24" BOX	8
	QUERCUS AGRIFOLIA COAST LIVE OAK MULTI-TRUNK	48" BOX	1
EXISTING TREE TO REMAIN			
	EUCALYPTUS SPP. EUCALYPTUS TREE	EXISTING	1
	JACARANDA MIMOSIFOLIA JACARANDA	EXISTING	44
	PINUS SPP. PINE TREE	EXISTING	6
	PISTACIA CHINENSIS CHINESE PISTACHE	EXISTING	4
	PLATANUS RACEMOSA CALIFORNIA SYCAMORE	EXISTING	2
	QUERCUS SPP. OAK TREE	EXISTING	14
	SITE TREE SITE TREE	EXISTING	29
	TIPUANA TIPU TIPU TREE	EXISTING	36
SHRUBS			
AP	ABUTILON PALMERI INDIAN MALLOW	15 GAL	226
AC	ACACIA CULTRIFORMIS KNIFE ACACIA	15 GAL	78
AS	AEONIUM X 'SUNBURST' SUNBURST AEONIUM	5 GAL	48
AA	AGAVE ATTENUATA FOXTAIL AGAVE	5 GAL	14
AB2	AGAVE ATTENUATA 'BOUTIN BLUE' BOUTIN BLUE FOXTAIL AGAVE	5 GAL	180
AU	ARBUTUS UNEDO 'COMPACTA' COMPACT STRAWBERRY TREE	15 GAL	26
AH	ARCTOSTAPHYLOS MANZANITA 'DR. HURD' DR. HURD COMMON MANZANITA	15 GAL	81
CO2	CAESALPINEA PULCHERRIMA DWARF POINCIANA	15 GAL	8
CE	CHONDROPETALUM TECTORUM 'EL CAMPO' EL CAMPO CAPE RUSH	5 GAL	57
CP	CISTUS X PURPUREUS ORCHID ROCKROSE	5 GAL	45
CI	CRASSULA OVATA 'JITTERS' JITTERS JADE PLANT	5 GAL	156
DI	DIANELLA X 'DP401' CLARITY BLUE™ FLAX LILY	5 GAL	58
DG	DIETES GRANDIFLORA 'VARIEGATA' VARIEGATED FORTNIGHT LILY	5 GAL	30
DM	DRACAENA MARGINATA DRACAENA	15 GAL	7
EC	ECHIUM CANDICANS PRIDE OF MADEIRA	15 GAL	40
EF	ENCELIA CALIFORNICA CALIFORNIA BRITTLEBUSH	5 GAL	122
FL	FRANGULA CALIFORNICA `LEATHERLEAF` LEATHERLEAF COFFEEBERRY	15 GAL	187
GL	GAURA LINDHEIMERI GAURA	5 GAL	103
HK	HAKEA SUAVEOLENS HAKEA	15 GAL	14
LY	LAURUS NOBILIS 'MONRIK' LITTLE RAGU® SWEET BAY	15 GAL	226
LR	LEUCADENDRON EUCALYPTIFOLIUM 'RED EYE' RED EYE GUMLEAF CONEBUSH	15 GAL	24
LE	LEUCADENDRON X 'EBONY' EBONY CONEBUSH	15 GAL	25
LV	LEUCOSPERMUM X 'VELDFIRE' VELDFIRE PINCUSHION	15 GAL	13
LI	LOMANDRA LONGIFOLIA 'BREEZE' BREEZE™ MAT RUSH	5 GAL	3
LO	LOMANDRA LONGIFOLIA PLATINUM BEAUTY VARIEGATED MAT RUSH	5 GAL	386
MA	MIMULUS AURANTIACUS STICKY MONKEYFLOWER	5 GAL	218
MC	MYRTUS COMMUNIS COMMON MYRTLE	5 GAL	20
PB	PEDILANTHUS BRACTEATUS SLIPPER	5 GAL	29
PF	PHLOMIS FRUTICOSA JERUSALEM SAGE	5 GAL	152
PG	PITTOSPORUM TENUIFOLIUM 'GOLF BALL' GOLF BALL TAWHIWHI	5 GAL	38
SW	SALVIA CLEVELANDII 'WINNIFRED GILMAN' WINNIFRED GILMAN CLEVELAND SAGE	15 GAL	371

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DIV. OF THE STATE ARCHITECT
APP: 04-124769 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

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LICENSED LANDSCAPE ARCHITECT — CHRISTOPHER MCCULLOUGH — 6363 — Signature — 12/31/2026 Renewal Date — 2/9/2026 Date — STATE OF CALIFORNIA

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SWEETWATER UNION HIGH SCHOOL DISTRICT

RANCHO DEL REY MIDDLE SCHOOL
BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

DSA BACKCHECK

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	AC
Checked By	:	ZM
Revisions	:	

PLANTING NOTES AND SCHEDULE

L300

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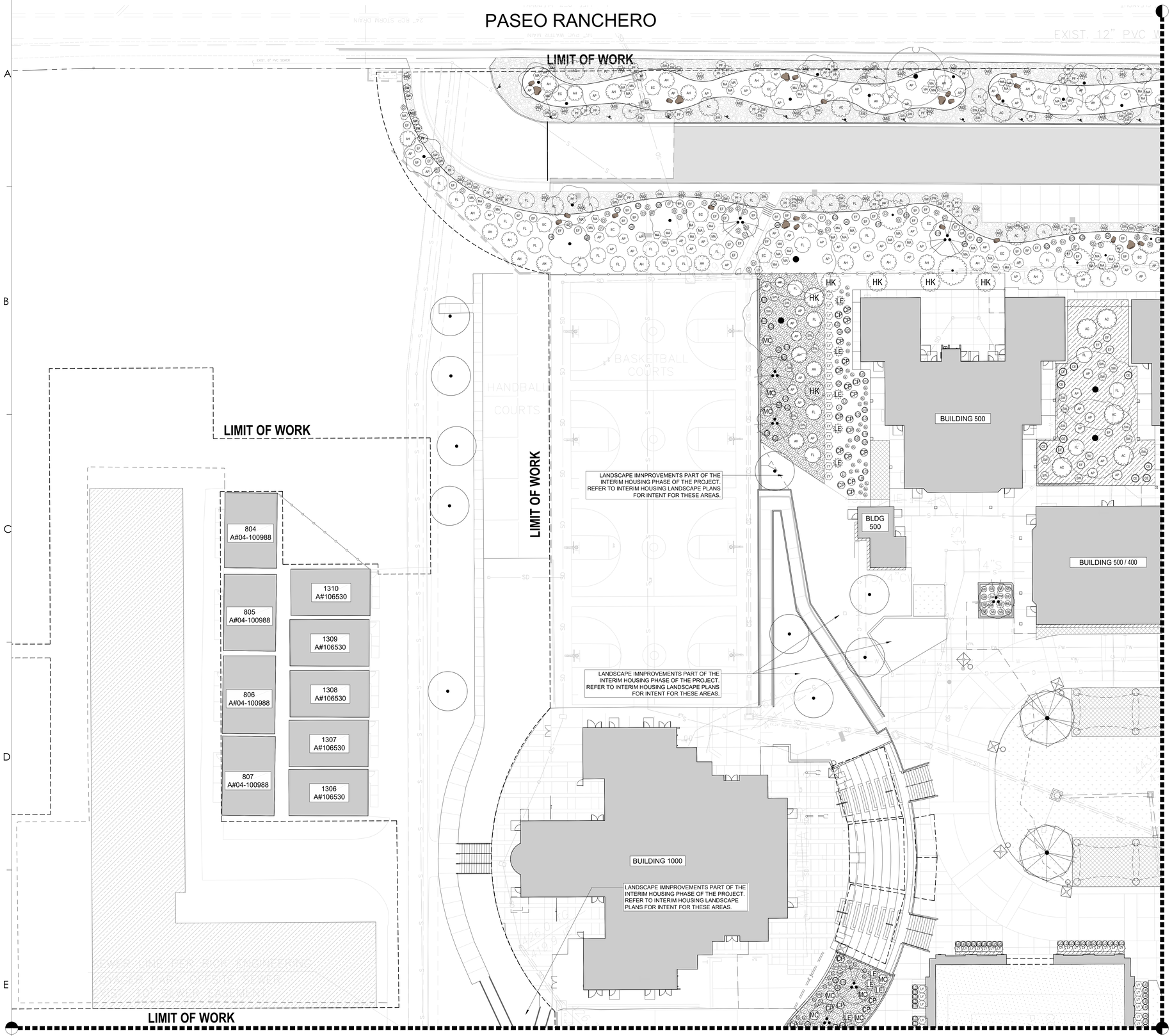
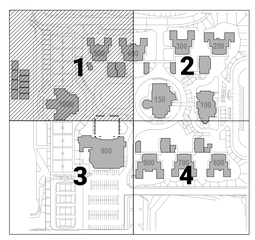


PLANT SCHEDULE - 1

SYMBOL	BOTANICAL / COMMON NAME	CONTAINER	QTY
TREES			
	ACACIA XANTHOPHLOEA FEVER TREE	36" BOX	2
	OLEA EUROPAEA 'SWAN HILL' SWAN HILL FRUITLESS OLIVE	24" BOX	7
EXISTING TREE TO REMAIN			
	JACARANDA MIMOSIFOLIA JACARANDA	EXISTING	14
	PISTACIA CHINENSIS CHINESE PISTACHE	EXISTING	1
	PLATANUS RACEMOSA CALIFORNIA SYCAMORE	EXISTING	2
	QUERCUS SPP. OAK TREE	EXISTING	5
	SITE TREE SITE TREE	EXISTING	10
	TIPUANA TIPU TIPU TREE	EXISTING	4
SHRUBS			
AP	ABUTILON PALMERI INDIAN MALLOW	15 GAL	68
AC	ACACIA CULTRIFORMIS KNIFE ACACIA	15 GAL	14
AB2	AGAVE ATTENUATA 'BOUTIN BLUE' BOUTIN BLUE FOXTAIL AGAVE	5 GAL	40
AH	ARCTOSTAPHYLOS MANZANITA 'DR. HURD' DR. HURD COMMON MANZANITA	15 GAL	28
CE	CHONDROPETALUM TECTORUM 'EL CAMPO' EL CAMPO CAPE RUSH	5 GAL	10
CP	CISTUS X PURPUREUS ORCHID ROCKROSE	5 GAL	24
CI	CRASSULA OVATA 'JITTERS' JITTERS JADE PLANT	5 GAL	40
EC	ECHIUM CANDICANS PRIDE OF MADEIRA	15 GAL	14
EF	ENCELIA CALIFORNICA CALIFORNIA BRITTLEBUSH	5 GAL	51
FL	FRANGULA CALIFORNICA `LEATHERLEAF` LEATHERLEAF COFFEEBERRY	15 GAL	39
GL	GAURA LINDHEIMERI GAURA	5 GAL	45
HK	HAKEA SUAVEOLENS HAKEA	15 GAL	6
LY	LAURUS NOBILIS 'MONRIK' LITTLE RAGU® SWEET BAY	15 GAL	48
LE	LEUCADENDRON X 'EBONY' EBONY CONEBUSH	15 GAL	10
LI	LOMANDRA LONGIFOLIA 'BREEZE' BREEZE™ MAT RUSH	5 GAL	3
LO	LOMANDRA LONGIFOLIA PLATINUM BEAUTY VARIEGATED MAT RUSH	5 GAL	89
MA	MIMULUS AURANTIACUS STICKY MONKEYFLOWER	5 GAL	61
MC	MYRTUS COMMUNIS COMMON MYRTLE	5 GAL	8
PF	PHLOMIS FRUTICOSA JERUSALEM SAGE	5 GAL	35
SW	SALVIA CLEVELANDII `WINNIFRED GILMAN` WINNIFRED GILMAN CLEVELAND SAGE	15 GAL	77
SB	SALVIA X 'BEE'S BLISS' BEE'S BLISS SAGE	1 GAL	12
WM	WESTRINGIA FRUTICOSA 'MORNING LIGHT' MORNING LIGHT COAST ROSEMARY	5 GAL	6
GROUND COVERS			
	BACCHARIS PILULARIS 'PIGEON POINT' PIGEON POINT COYOTE BRUSH	1G-5GAL	194
	MYRTUS COMMUNIS 'COMPACTA' DWARF COMMON MYRTLE	1G-5GAL	149

KEY PLAN



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DATE: 02/17/2026

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LICENSED LANDSCAPE ARCHITECT
GREG W. MCCULLOUGH
Signature
12/31/2026
Renewal Date
2/9/2026
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SWEETWATER UNION HIGH SCHOOL DISTRICT

RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

DSA BACKCHECK

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	AC
Checked By	:	ZM
Revisions	:	

PLANTING PLAN

L301

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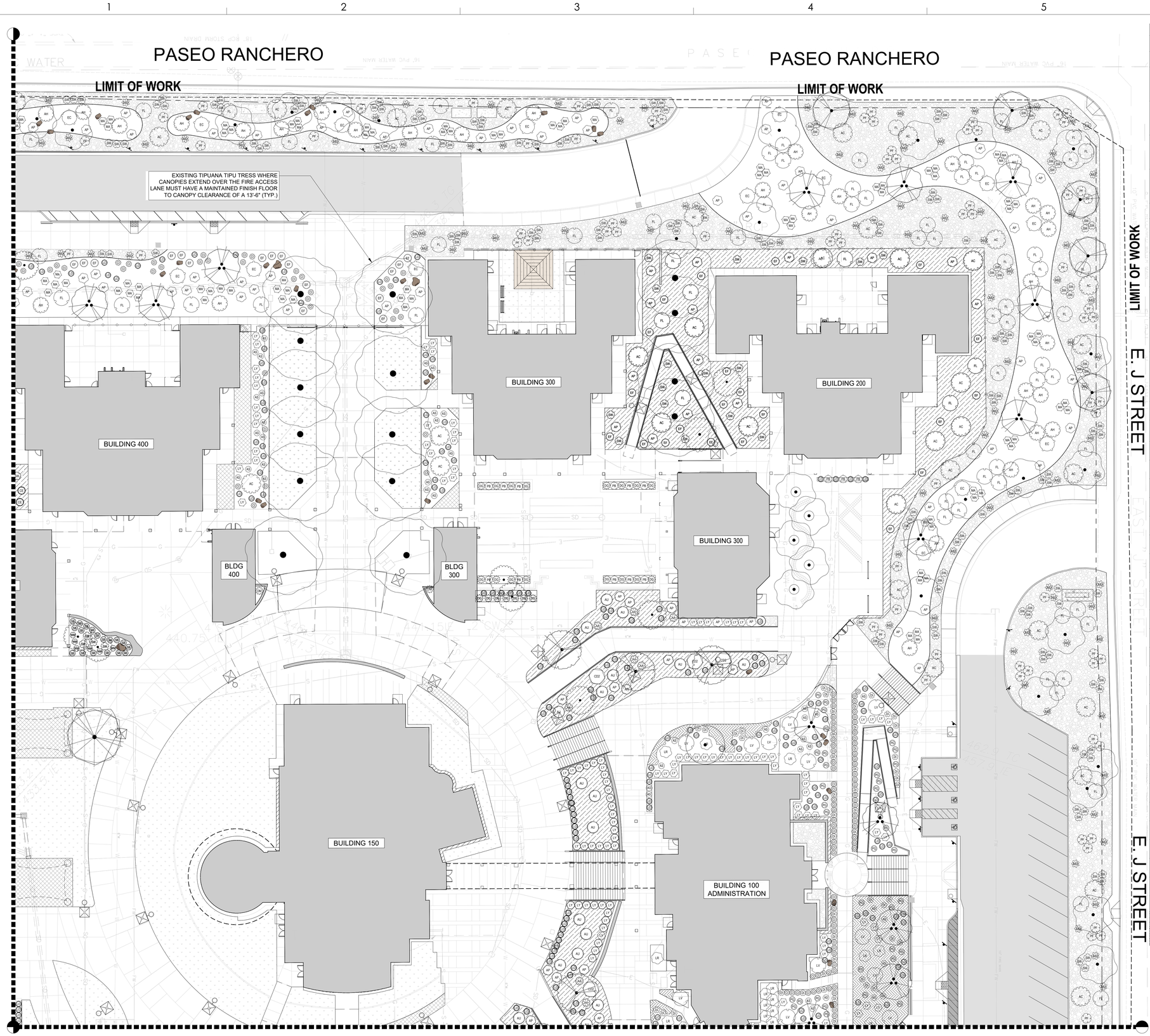

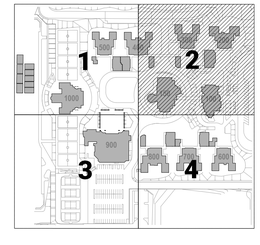

KEY PLAN

SCALE: 0 10 20 40 — 1"=20'-0"

PLANT SCHEDULE - 2			
SYMBOL	BOTANICAL / COMMON NAME	CONTAINER	QTY
TREES			
	ACACIA STENOPHYLLA SHOESTRING ACACIA	24" BOX	6
	ACACIA XANTHOPHLOEA FEVER TREE	36" BOX	1
	OLEA EUROPAEA 'SWAN HILL' SWAN HILL FRUITLESS OLIVE	24" BOX	14
	PARKINSONIA ACULEATA MEXICAN PALO VERDE	24" BOX	5
EXISTING TREE TO REMAIN			
	JACARANDA MIMOSIFOLIA JACARANDA	EXISTING	24
	PISTACIA CHINENSIS CHINESE PISTACHE	EXISTING	3
	QUERCUS SPP. OAK TREE	EXISTING	8
	SITE TREE SITE TREE	EXISTING	1
	TIPUANA TIPU TIPU TREE	EXISTING	15
SHRUBS			
AP	ABUTILON PALMERI INDIAN MALLOW	15 GAL	91
AC	ACACIA CULTRIFORMIS KNIFE ACACIA	15 GAL	42
AS	AEONIUM X 'SUNBURST' SUNBURST AEONIUM	5 GAL	43
AA	AGAVE ATTENUATA FOXTAIL AGAVE	5 GAL	9
AB2	AGAVE ATTENUATA 'BOUTIN BLUE' BOUTIN BLUE FOXTAIL AGAVE	5 GAL	95
AU	ARBUTUS UNEDO 'COMPACTA' COMPACT STRAWBERRY TREE	15 GAL	18
AH	ARCTOSTAPHYLOS MANZANITA 'DR. HURD' DR. HURD COMMON MANZANITA	15 GAL	31
CO2	CAESALPINEA PULCHERRIMA DWARF POINCIANA	15 GAL	6
CI	CRASSULA OVATA 'JITTERS' JITTERS JADE PLANT	5 GAL	111
DI	DIANELLA X 'DP401' CLARITY BLUE™ FLAX LILY	5 GAL	50
DG	DIETES GRANDIFLORA 'VARIEGATA' VARIEGATED FORTNIGHT LILY	5 GAL	30
DM	DRACAENA MARGINATA DRACAENA	15 GAL	2
EC	ECHIUM CANDICANS PRIDE OF MADEIRA	15 GAL	15
EF	ENCELIA CALIFORNICA CALIFORNIA BRITTLEBUSH	5 GAL	59
FL	FRANGULA CALIFORNICA 'LEATHERLEAF' LEATHERLEAF COFFEEBERRY	15 GAL	79
LY	LAURUS NOBILIS 'MONRIK' LITTLE RAGU® SWEET BAY	15 GAL	117
LR	LEUCADENDRON EUCALYPTIFOLIUM 'RED EYE' RED EYE GUMLEAF CONEBUSH	15 GAL	23
LV	LEUCOSPERMUM X 'VELDFIRE' VELDFIRE PINCUSHION	15 GAL	13
LO	LOMANDRA LONGIFOLIA PLATINUM BEAUTY VARIEGATED MAT RUSH	5 GAL	178
MA	MIMULUS AURANTIACUS STICKY MONKEYFLOWER	5 GAL	84
PB	PEDILANTHUS BRACTEATUS SLIPPER	5 GAL	14
PF	PHLOMIS FRUTICOSA JERUSALEM SAGE	5 GAL	73
PG	PITTOSPORUM TENUIFOLIUM 'GOLF BALL' GOLF BALL TAWHIWHI	5 GAL	38
SW	SALVIA CLEVELANDII 'WINNIFRED GILMAN' WINNIFRED GILMAN CLEVELAND SAGE	15 GAL	189
SB	SALVIA X 'BEE'S BLISS' BEE'S BLISS SAGE	1 GAL	36
WM	WESTRINGIA FRUTICOSA 'MORNING LIGHT' MORNING LIGHT COAST ROSEMARY	5 GAL	12
GROUND COVERS			
	BACCHARIS PILULARIS 'PIGEON POINT' PIGEON POINT COYOTE BRUSH	1G-5GAL	761
	MYOPORUM X 'PACIFICUM' PACIFICA MYOPRORUM	1G-5GAL	176

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STATE OF CALIFORNIA
Signature
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DSA BACKCHECK

Project Number	24203.10
Date	09-05-2025
Drawn By	AC
Checked By	ZM
Revisions	

PLANTING PLAN

L302

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LIMIT OF WORK

LIMIT OF WORK

LANDSCAPE IMNPROVEMENTS PART OF THE INTERIM HOUSING PHASE OF THE PROJECT. REFER TO INTERIM HOUSING LANDSCAPE PLANS FOR INTENT FOR THESE AREAS.

LIMIT OF WORK

LIMIT OF WORK

BUILDING 900

NEW CURB PER CIVIL

BALL FIELDS

BASKETBALL COURTS

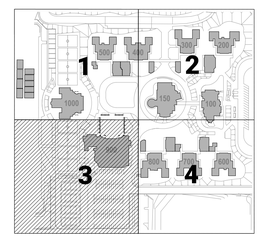
TENNIS COURTS OR SPEED SOCCER

21" RCP STORM DRAIN

PLANT SCHEDULE - 3

SYMBOL	BOTANICAL / COMMON NAME	CONTAINER	QTY
TREES			
	OLEA EUROPAEA 'SWAN HILL' SWAN HILL FRUITLESS OLIVE	24" BOX	1
EXISTING TREE TO REMAIN			
	SITE TREE SITE TREE	EXISTING	16
	TIPUANA TIPU TIPU TREE	EXISTING	6
SHRUBS			
CP	CISTUS X PURPUREUS ORCHID ROCKROSE	5 GAL	21
GL	GAURA LINDHEIMERI GAURA	5 GAL	58
HK	HAKEA SUAVEOLENS HAKEA	15 GAL	8
LY	LAURUS NOBILIS 'MONRIK' LITTLE RAGU® SWEET BAY	15 GAL	16
LE	LEUCADENDRON X 'EBONY' EBONY CONEBUSH	15 GAL	15
LO	LOMANDRA LONGIFOLIA PLATINUM BEAUTY VARIEGATED MAT RUSH	5 GAL	42
MC	MYRTUS COMMUNIS COMMON MYRTLE	5 GAL	12
WM	WESTRINGIA FRUTICOSA 'MORNING LIGHT' MORNING LIGHT COAST ROSEMARY	5 GAL	3
GROUND COVERS			
	MYRTUS COMMUNIS 'COMPACTA' DWARF COMMON MYRTLE	1G-5GAL	339

KEY PLAN



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

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CHRISTOPHER A. MCCULLOUGH
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PLANTING PLAN

L303

DSA BACKCHECK

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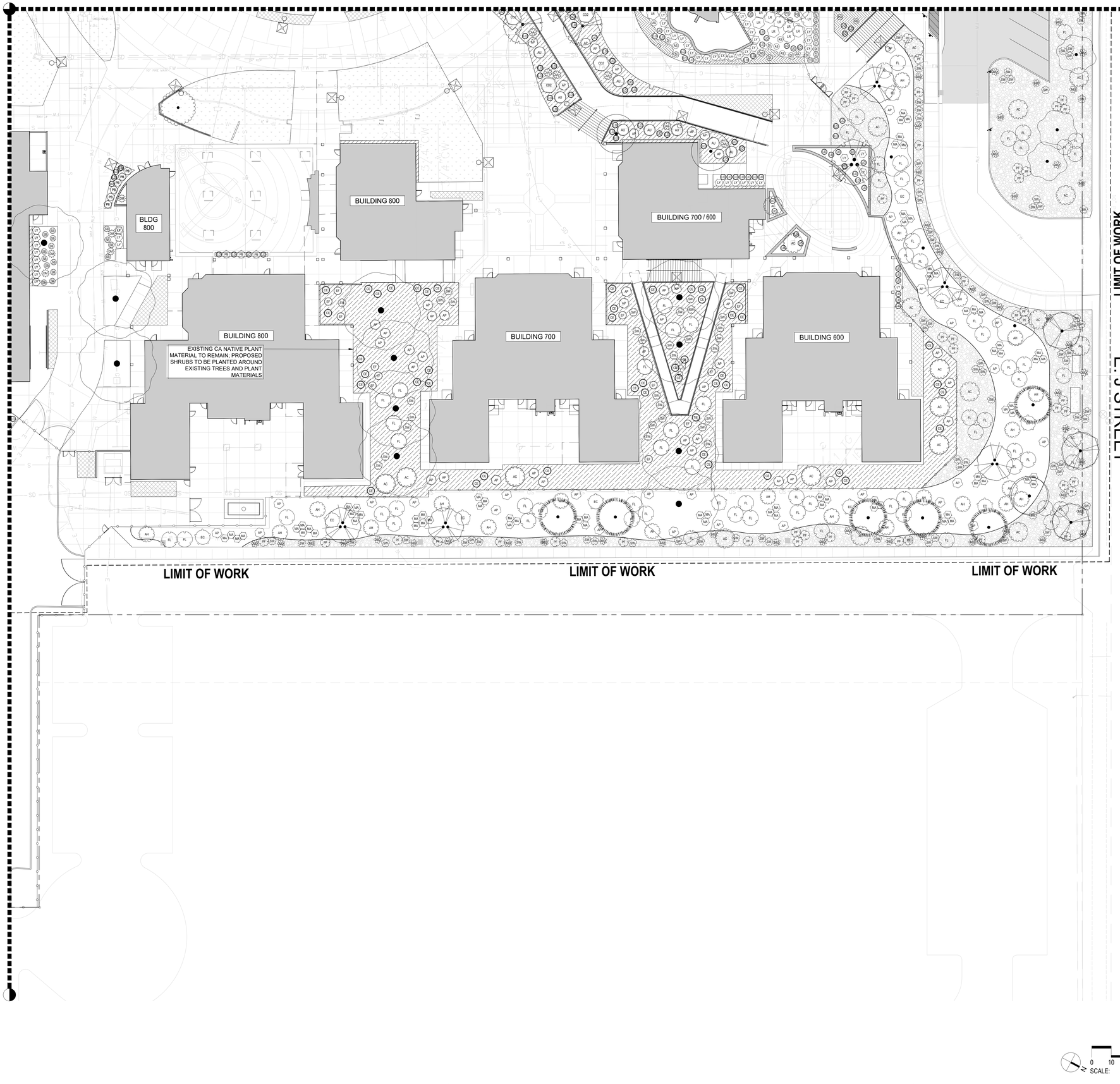
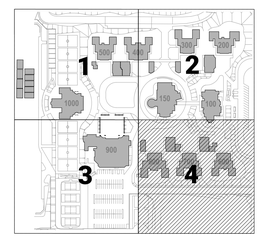


PLANT SCHEDULE - 4

SYMBOL	BOTANICAL / COMMON NAME	CONTAINER	QTY
TREES			
	OLEA EUROPAEA 'SWAN HILL' SWAN HILL FRUITLESS OLIVE	24" BOX	5
	PARKINSONIA ACULEATA MEXICAN PALO VERDE	24" BOX	3
	QUERCUS AGRIFOLIA COAST LIVE OAK MULTI-TRUNK	48" BOX	1
EXISTING TREE TO REMAIN			
	EUCALYPTUS SPP. EUCALYPTUS TREE	EXISTING	1
	JACARANDA MIMOSIFOLIA JACARANDA	EXISTING	6
	PINUS SPP. PINE TREE	EXISTING	6
	QUERCUS SPP. OAK TREE	EXISTING	1
	SITE TREE SITE TREE	EXISTING	2
	TIPUANA TIPU TIPU TREE	EXISTING	11
SHRUBS			
AP	ABUTILON PALMERI INDIAN MALLOW	15 GAL	67
AC	ACACIA CULTRIFORMIS KNIFE ACACIA	15 GAL	22
AS	AEONIUM X 'SUNBURST' SUNBURST AEONIUM	5 GAL	5
AA	AGAVE ATTENUATA FOXTAIL AGAVE	5 GAL	5
AB2	AGAVE ATTENUATA 'BOUTIN BLUE' BOUTIN BLUE FOXTAIL AGAVE	5 GAL	45
AU	ARBUTUS UNEDO 'COMPACTA' COMPACT STRAWBERRY TREE	15 GAL	8
AH	ARCTOSTAPHYLOS MANZANITA 'DR. HURD' DR. HURD COMMON MANZANITA	15 GAL	22
CD2	CAESALPINEA PULCHERRIMA DWARF POINCIANA	15 GAL	2
CE	CHONDROPETALUM TECTORUM 'EL CAMPO' EL CAMPO CAPE RUSH	5 GAL	47
CI	CRASSULA OVATA 'JITTERS' JITTERS JADE PLANT	5 GAL	5
DI	DIANELLA X 'DP401' CLARITY BLUE™ FLAX LILY	5 GAL	8
DM	DRACAENA MARGINATA DRACAENA	15 GAL	5
EC	ECHIUM CANDICANS PRIDE OF MADEIRA	15 GAL	11
EF	ENCELIA CALIFORNICA CALIFORNIA BRITTLEBUSH	5 GAL	12
FL	FRANGULA CALIFORNICA 'LEATHERLEAF' LEATHERLEAF COFFEEBERRY	15 GAL	69
LY	LAURUS NOBILIS 'MONRIK' LITTLE RAGU® SWEET BAY	15 GAL	45
LR	LEUCADENDRON EUCALYPTIFOLIUM 'RED EYE' RED EYE GUMLEAF CONEBUSH	15 GAL	1
LO	LOMANDRA LONGIFOLIA PLATINUM BEAUTY VARIEGATED MAT RUSH	5 GAL	77
MA	MIMULUS AURANTIACUS STICKY MONKEYFLOWER	5 GAL	73
PB	PEDILANTHUS BRACTEATUS SLIPPER	5 GAL	15
PF	PHLOMIS FRUTICOSA JERUSALEM SAGE	5 GAL	44
SW	SALVIA CLEVELANDII 'WINNIFRED GILMAN' WINNIFRED GILMAN CLEVELAND SAGE	15 GAL	105
SB	SALVIA X 'BEE'S BLISS' BEE'S BLISS SAGE	1 GAL	15
GROUND COVERS			
	BACCHARIS PILULARIS 'PIGEON POINT' PIGEON POINT COYOTE BRUSH	1G-5GAL	718
	MYOPORUM X 'PACIFICUM' PACIFICA MYOPRORUM	1G-5GAL	20

KEY PLAN



SCALE: 0 10 20 40 — 1"=20'-0"

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APP: 04-124769 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 02/17/2026

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LICENSED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA — Signature — 12/31/2026 Renewal Date — 2/9/2026 Date

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SWEETWATER UNION HIGH SCHOOL DISTRICT

DSA BACKCHECK

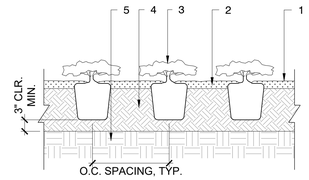
RANCHO DEL REY MIDDLE SCHOOL BUILDING & SITE REHABILITATION

SWEETWATER UNION HIGH SCHOOL DISTRICT
RANCHO DEL REY MIDDLE SCHOOL
1174 E. J STREET, CHULA VISTA, CA 91910

Project Number	:	24203.10
Date	:	09-05-2025
Drawn By	:	AC
Checked By	:	ZM
Revisions	:	

PLANTING PLAN

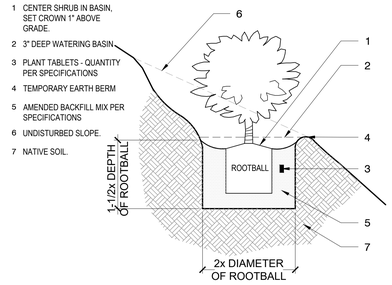
L304



1 FINISH GRADE / TOP OF MULCH, KEEP 2" CLEAR FROM STEM OF PLANT
2 MULCH, SEE PLANTING PLAN NOTES AND SPECIFICATIONS
3 GROUNDCOVER PLANTINGS
4 PLANTING SOIL
5 COMPACTED SUBGRADE

5 GROUNDCOVER, TYP.

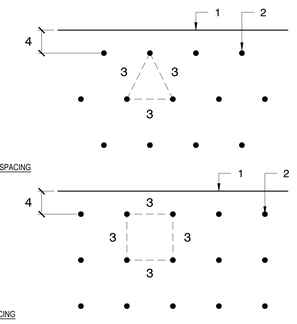
1 1/2" = 1'-0"



1 SHRUB ON SLOPE PLANTING

NTS

1 EDGE OF PAVING, SIDEWALK, WALL OR CURB.
2 SHRUB/GROUNDCOVER PLANT.
3 EQUAL SPACING UNLESS OTHERWISE INDICATED ON PLANS.
4 24" MIN. SPACING FROM EDGE OF PLANTING AREA, TO BE VERIFIED BY LANDSCAPE ARCHITECT.

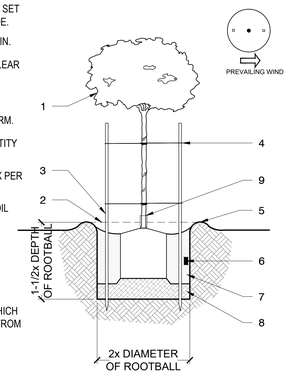


6 SHRUB/GROUNDCOVER SPACING

NTS

1 CENTER TREE IN BASIN, SET CROWN 1" ABOVE GRADE.
2 3" DEEP WATERING BASIN.
3 2"x10' STAKES - KEEP CLEAR OF ROOTBALL.
4 TREE CINCH TIES.
5 TEMPORARY EARTH BERM.
6 PLANT TABLETS - QUANTITY PER SPECIFICATIONS.
7 AMENDED BACKFILL MIX PER SPECIFICATIONS.
8 UNAMENDED NATIVE SOIL BACKFILL. FIRMED TO SUPPORT PLANT.
9 ARBOR GUARD IN TURF AREAS.

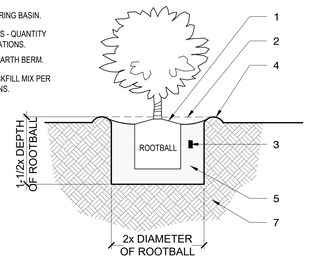
NOTES
A. REMOVE STAKES WHICH COME WITH PLANT FROM NURSERY



2 TREE PLANTING (DOUBLE STAKE)

NTS

1 CROWN OF PLANT TO BE PLANTED 1" ABOVE FINISH GRADE.
2 3" DEEP WATERING BASIN.
3 PLANT TABLETS - QUANTITY PER SPECIFICATIONS.
4 TEMPORARY EARTH BERM.
5 AMENDED BACKFILL MIX PER SPECIFICATIONS.
6 NATIVE SOIL.

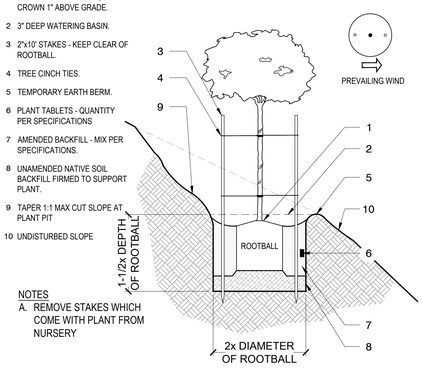


7 SHRUB PLANTING

NTS

1 CENTER SHRUB IN BASIN, SET CROWN 1" ABOVE GRADE.
2 3" DEEP WATERING BASIN.
3 2"x10' STAKES - KEEP CLEAR OF ROOTBALL.
4 TREE CINCH TIES.
5 TEMPORARY EARTH BERM.
6 PLANT TABLETS - QUANTITY PER SPECIFICATIONS
7 AMENDED BACKFILL - MIX PER SPECIFICATIONS.
8 UNAMENDED NATIVE SOIL BACKFILL FIRMED TO SUPPORT PLANT.
9 TAPER 1:1 MAX CUT SLOPE AT PLANT PIT
10 UNDISTURBED SLOPE

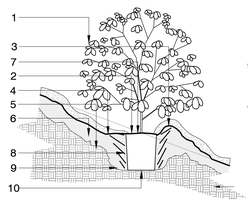
NOTES
A. REMOVE STAKES WHICH COME WITH PLANT FROM NURSERY



3 TREE ON SLOPE PLANTING

NTS

1 SHRUB.
2 ROOTBALL.
3 ROUND - TOPPED SOIL BERM 4" HIGH AND 8" WIDE ABOVE ROOT BALL SURFACE SHALL BE CENTERED ON THE DOWNHILL SIDE OF THE ROOT BALL FOR 240°. BERM SHALL BEGIN AT ROOT BALL PERIPHERY.
4 4" LAYER OF MULCH. NO MORE THAN 1" OF MULCH ON TOP OF ROOT BALL. (SEE SPECIFICATIONS FOR MULCH).
5 LOOSENED SOIL. DIG AND TURN THE SOIL TO REDUCE THE COMPACTION TO THE AREA AND DEPTH SHOWN.
6 SLOPE SIDES OF LOOSENED SOIL.
7 ORIGINAL SLOPE SHOULD PASS THROUGH THE POINT WHERE THE TRUNK MEETS SUBSTRATE/SOIL.
8 PRIOR TO MULCHING, LIGHTLY TAMP SOIL AROUND THE ROOT BALL IN 6" LIFTS TO BRACE SHRUB. DO NOT OVER COMPACT. WHEN THE PLANTING HOLE HAS BEEN BACKFILLED, POUR WATER AROUND THE ROOT BALL TO SETTLE THE SOIL.
9 MODIFIED SOIL. DEPTH VARIES. (SEE SPECIFICATIONS FOR SOIL MODIFICATION).
10 ROOT BALL RESTS ON EXISTING OR RECOMPACTED SOIL.

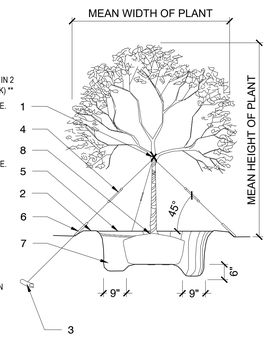


8 SHRUB ON SLOPE 5%-50%

1/2" = 1'-0"

1 10 GAUGE GALVANIZED WIRE ENCASED IN 2 PLY REINFORCED RUBBER HOSE (BLACK) **
2 SAUCER SHAPED BERM, 4" HIGH, 6" WIDE. SLOPE AT PLANT PIT.
3 DUCK BILL ANCHOR, INSTALL PER MANUFACTUERER'S INSTRUCTIONS.
4 1/4"X8" GALVANIZED STEEL TURNBUCKLE.
5 3" BARK MULCH.
6 1/2"X8" WHITE PIPE WIRE MARKER.
7 PREPARED BACKFILL (SEE SPECS).
8 TOP OF BALL TO BE 1" ABOVE FINISH GRADE.

NOTE:
EXTRANEOUS BRANCHES NOT INCLUDED IN WIDTH MEASUREMENT.
**LOCATE GUY WIRES AWAY FROM PUBLIC SIDEWALKS TO AVOID TRIP HAZARDS. WIRES SHOULD BE A MINIMUM OF 5' AWAY FROM ANY WALKWAY.



4 TREE GUY - 36" BOX AND LARGER

NTS

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PLANTING DETAILS

L310

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