ALTADENA ARTS MAGNET SCHOOL

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Submittals	Date
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

PROJECT NUMBER 33366

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Grand total: 86		

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

LPA

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LANDSCAPE ARCHITECTURE PLANNING

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LICENSED ARCHITECT
NICOLE MEHLA
C30830
9/30/2027
RENEWAL DATE
STATE OF CALIFORNIA

ALTADENA ARTS MAGNET SCHOOL

743 E. CALAVERA ST,
ALTADENA CA 91001

Developed for
PASADENA UNIFIED SCHOOL DISTRICT

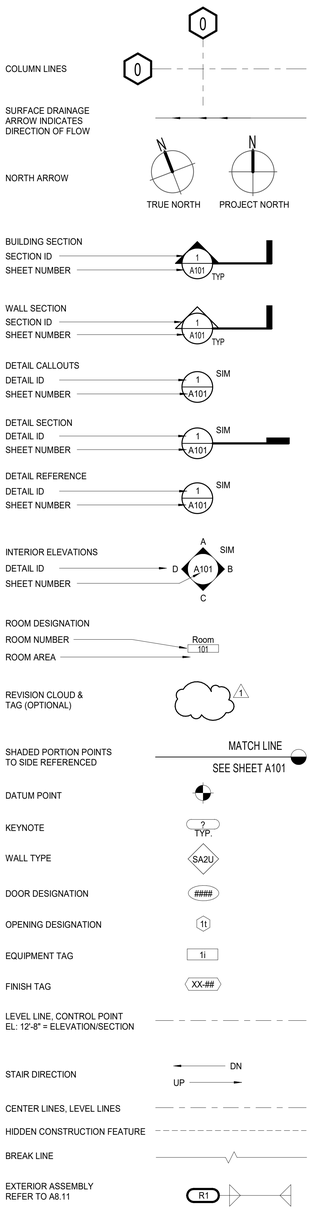
Revision	Date

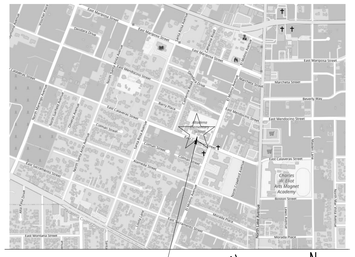
Submittal	Date
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

Job Number	33366
Checked By	Checker
Scale	

SHEET LIST

G0.10





SYMBOLS

ACCESSIBLE CONSTRUCTION SUPPORT FACILITIES

11B-201.4 CONSTRUCTION SUPPORT FACILITIES. These requirements shall apply to temporary or permanent construction support facilities for uses and activities not directly associated with the actual processes of construction, including but not limited to offices, meeting rooms, plan rooms, other administrative or support functions. When provided, toilet and bathing facilities serving construction support facilities shall comply with 11B-213. When toilet and bathing facilities serving construction support facilities are provided by portable units, at least one of each type shall be accessible and connected to the construction support facilities it serves by an accessible route.

EXCEPTION: During construction an accessible route shall not be required between site arrival points or the boundary of the area of construction and the entrance to the construction support facilities if the only means of access between them is a vehicular way not providing pedestrian access.

ABBREVIATIONS

&	AND
∠	ANGLE
@	AT
℄	CENTERLINE
∅	DIAMETER OR ROUND
#	POUND OR NUMBER
(E)	EXISTING
(P)	PAINT
(R)	REMOVE
+/-	DIM TOLERANCE
AC	ASPHALTIC CONCRETE
ACC	ACCESSIBLE
ACOUS	ACOUSTICAL
ACM	ALUM COMPOSITE MATERIAL
ACT	ACOUS CLG TILE
AD	AREA DRAIN
AED	AUTO EXT DEFIBRILLATOR
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
AHJ	AUTHORITY HAVING JURISDICTION
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASF	ASSIGNABLE SF
BD	BOARD
ASPH	ASPHALT
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLK'G	BLOCKING
BM	BEAM
BOC	BACK OF CURB
BOT	BOTTOM
BO	BOTTOM OF
BOC	BACK OF CURB
BOW	BOTTOM OF WALL
BS	BOTTOM OF SLOPE
CAB	CABINET
CB	CATCH BASIN
CEM	CEMENT
CER	CERAMIC
CI	CAST IRON
CIP	CAST IN PLACE
CIV ENG	CIVIL ENGINEER
CG	CORNER GUARD
CJ	CONTROL JOINT
CLG	CEILING
CLKG	CAULKING
CLO	CLOSET
CLR	CLEAR
CNTR	COUNTER
CO	CASED OPENING
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSUNK
DA	DISABLED ACCESS
DBL	DOUBLE
DEPT.	DEPARTMENT
DESC	DESCRIPTION
DF	DRINKING FOUNTAIN
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DO	DOOR OPENING
DR	DOOR
DWR	DRAWER
DS	DOWNSPOUT
DSP	DRY STANDPIPE
DWG	DRAWING
E	EAST
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
EP	ELECTRICAL PANELBOARD
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXPO	EXPOSED
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FB	FLAT BAR
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FIN	FINISH
FLR	FLOOR
FLASH	FLASHING
FLUOR	FLUORESCENT
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOV	FACE OF VENEER (BRICK OR PRECAST)
FOW	FACE OF WALL
FR	FIRE RETARDANT
FPRF	FIREPROOF
FS	FINISH SURFACE
FT	FOOT OR FEET
FTG	FOOTING
FURR	FURRING
FUT	FUTURE
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GI	GALVANIZED IRON
GL	GLASS
GND	GROUND
GR	GRADE
GYP	GYPSUM
HB	HOSE BIB
HC	HOLLOW CORE
HDWD	HARDWOOD
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HGT/HT	HEIGHT
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JT	JOINT
KIT	KITCHEN
LAB	LABORATORY
LAM	LAMINATE
LAND ARCH	LANDSCAPE ARCHITECT
LAV	LAVATORY
LKR	LOCKER
LT	LIGHT
MATL	MATERIAL
MAX	MAXIMUM
MC	MEDICINE CABINET
MECH	MECHANICAL
MEMB	MEMBRANE
MET	METAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
MUL	MULLION
N	NORTH
NIC	NOT IN CONTRACT
NO/#	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OA	OUTSIDE AIR
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OPNG	OPENING
OPP	OPPOSITE
OSA	OUTSIDE AIR
PA	PLANTING AREA
PRCST	PRECAST
PH	PANIC HARDWARE
PL	PLATE
P LAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
POT	PATH OF TRAVEL
PR	PAIR
PT	PAINT
PTD	PAPER TOWEL DISPENSER
PTD/R	COMBINATION PAPER TOWEL DISPENSER & RECEPTACLE
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
QT	QUARRY TILE
R	RISER
RAD	RADIUS
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
RGTR	REGISTER
REINF	REINFORCED
REQD	REQUIRED
RESIL	RESILIENT
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RWD	REDWOOD
RWL	RAIN WATER LEADER
S	SOUTH
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SD	SOAP DISPENSER
SECT	SECTION
SF	SQUARE FEET
SH	SHELF
SHR	SHOWER
SHT	SHEET
SIM	SIMILAR
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTACLE
SPEC	SPECIFICATION(S)
SQ	SQUARE
SS	STAINLESS STEEL
S SK	SERVICE SINK
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STR	STRUCTURAL
SUSP	SUSPENDED
SYM	SYMMETRICAL
T	TREAD
TB	TOWEL BAR
TC	TOP OF CURB
TEL	TELEPHONE
TER	TERRAZZO
T&G	TONGUE & GROOVE
THK	THICK
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOW	TOP OF WALL
TOP	TOP OF PARAPET
TPD	TOILET PAPER DISPENSER
TS	TOP OF SLOPE
TV	TELEVISION
TYP	TYPICAL
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
W	WEST
W/	WITH
WC	WATER CLOSET
WD	WOOD
W/O	WITHOUT
WP	WATERPROOF
WR	WATER RESISTANT
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC

CONSTRUCTION NOTES

1. ALL CONSTRUCTION & MATERIALS SHALL BE AS SPECIFIED & IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, LAWS, PERMITS & THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE PLACEMENT OF ALL NEW CONSTRUCTION ON THE SITE.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL EXG SURVEY MONUMENTS WHICH MAY BE DISTURBED THROUGH CONSTRUCTION ACTIVITIES DEEMED NECESSARY FOR PRESERVATION BY THE CIVIL ENGINEER. IF SUCH MONUMENTS WERE DISTURBED, THE APPLICANT SHALL HAVE A LICENSED LAND SURVEYOR QUALIFIED CIVIL ENGINEER REESTABLISH ANY SUCH MONUMENTATION DAMAGED OR DESTROYED DURING THE CONSTRUCTION OF THE PROJECT & SUBMIT "PRELIMINARY CORNER RECORDS" TO THE CIVIL ENGINEER AFTER REPLACEMENT. AFTER APPROVAL BY THE CIVIL ENGINEER, THE APPLICANT SHALL FILE THE CORNER RECORDS WITH THE COUNTY SURVEYOR. PRIOR TO THE EXONERATION OF ANY SECURITY, EVIDENCE OF SUCH FILING SHALL BE FURNISHED TO THE CIVIL ENGINEER.
4. THE CONTRACTOR IS RESPONSIBLE TO INSURE THAT TRUCK ROUTES SHALL BE STEERED AWAY FROM RESIDENTIAL AREAS.
5. THE CONTRACTOR SHALL ENSURE THAT TRUCKS HAULING DIRT ON PUBLIC ROADS TO & FROM THE SITE SHALL BE COVERED OR WILL MAINTAIN A 6" DIFFERENTIAL BETWEEN THE MAX HGT OF ANY HAULED MATERIAL & THE TOP OF THE HAUL TRAILER. HAUL TRUCK DRIVERS SHALL WATER THE LOAD PRIOR TO LEAVING THE SITE TO PREVENT SOIL LOSS DURING TRANSPORT.
6. THE CONTRACTOR SHALL ENSURE THAT GRADED SURFACES USED FOR OFF ROAD PARKING, MATERIALS LAY-DOWN, OR AWAITING FUTURE CONSTRUCTION SHALL BE STABILIZED FOR DUST CONTROL AS NEEDED. FREQUENTLY ACCESSED UNPAVED AREAS SHALL BE PAVED AS EARLY AS POSSIBLE TO MINIMIZE DIRT TRACKOUT TO PUBLIC RIGHTS-OF-WAY.
7. THE CONTRACTOR SHALL COORDINATE ANY LANE CLOSURES OR DETOURS WITH THE CITY/COUNTY. FLAG PERSONS & APPROPRIATE TRAFFIC CONTROL DEVICES SHALL BE USED AS NEEDED TO MINIMIZE CONSTRUCTION ACTIVITY INTERFERENCE WITH OFF-SITE-TRAFFIC.
8. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS & SITE CONDITIONS BEFORE STARTING WORK. SHOULD A DISCREPANCY APPEAR IN THE CONTRACT DOCUMENTS OR BETWEEN THE CONTRACT DOCUMENTS & EXISTING CONDITIONS, NOTIFY THE ARCHITECT AT ONCE FOR INSTRUCTION ON HOW TO PROCEED.
9. SHOULD A CONFLICT OCCUR BETWEEN DWGS & SPECIFICATIONS, THE MORE COSTLY CONDITION SHALL TAKE PRECEDENCE, UNLESS A WRITTEN DECISION FROM THE ARCHITECT HAS BEEN OBTAINED WHICH DESCRIBES A CLARIFICATION OR ALTERNATE METHOD AND/OR MATERIALS.
10. THE CONTRACTOR SHALL CONFINE HIS OPERATION ON THE SITE TO AREAS PERMITTED BY OWNER.
11. THE JOBSITE SHALL BE MAINTAINED IN A CLEAN, ORDERLY CONDITION FREE OF DEBRIS & LITTER & SHALL NOT BE UNREASONABLY ENCUMBERED WITH ANY MATERIALS OR EQUIPMENT. EACH SUBCONTRACTOR IMMEDIATELY UPON COMPLETION OF EACH PHASE OF HIS WORK SHALL REMOVE ALL TRASH & DEBRIS AS A RESULT OF HIS OPERATION.
12. ALL MATERIAL STORED ON THE SITE SHALL BE PROPERLY STACKED & PROTECTED TO PREVENT DAMAGE & DETERIORATION. FAILURE TO PROTECT MATERIALS MAY BE CAUSE FOR REJECTION OF WORK.
13. THE CONTRACTOR SHALL DO ALL CUTTING, FITTING, AND/OR PATCHING OF HIS WORK THAT MAY BE REQ TO MAKE ITS SEVERAL PARTS FIT TOGETHER PROPERLY & SHALL NOT ENDANGER ANY OTHER WORK BY CUTTING, EXCAVATING, OR OTHERWISE ALTERING THE TOTAL WORK OR ANY PART OF IT. ALL PATCHING, REPAIRING AND REPLACING OF MATERIALS AND SURFACES, CUT OR DAMAGED IN EXECUTION OF WORK, SHALL BE DONE WITH APPLICABLE MATERIALS SO THAT SURFACES REPLACED WILL, UPON COMPLETION, MATCH SURROUNDING SIMILAR SURFACES.
14. STRUCTURAL OBSERVATION WILL BE PERFORMED BY THE STRUCTURAL ENGINEER. WHEN REQ, A STATEMENT IN WRITING SHALL BE GIVEN TO THE BUILDING OFFICIAL, STATING THAT THE SITE VISITS HAVE BEEN MADE & WHETHER OR NOT ANY OBSERVED DEFICIENCIES HAVE BEEN CORRECTED TO CONFORM TO THE APPROVED PLANS & SPECIFICATIONS.
15. SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD, WHO SHALL REVIEW THEM & RETURN THEM TO THE CONTRACTOR (WITH A NOTIFICATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED & THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING) FOR PLAN CHECK APPROVAL. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN & SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE AUTHORITY HAVING JURISDICTION.
16. PROVIDE ALL ACCESS PANELS AS REQ BY GOVERNING CODES TO ALL CONCEALED SPACES, VOIDS, ATTICS, ETC. VERIFY TYPE REQ WITH ARCHITECT PRIOR TO INSTALLATION.
17. NO PORTION OF WORK REQ A SHOP DWG OR SAMPLE SUBMISSION SHALL BE COMMENCED UNTIL THE SUBMISSION HAS BEEN REVIEWED BY THE ARCHITECT. ALL SUCH PORTIONS OF THE WORK SHALL BE IN ACCORDANCE WITH CORRECTED SHOP DWGS. AND SAMPLES.
18. DIMENSIONS:
    - A. ALL DIMS SHALL TAKE PRECEDENCE OVER SCALE.
    - B. ALL DIMS ARE TO FACE OF STUD / CONCRETE / MASONRY UNO
    - C. CLG HGT DIMS ARE FROM FACE OF SLAB TO FACE OF FIN CLG MATERIAL UNO
19. DO NOT SCALE DRAWINGS
20. PROVIDE ALL NECESSARY BLOCKING, BACKING, & FRAMING FOR LIGHT FIXTURES, ELECTRIC UNITS, AC EQUIP, RECESSED ITEMS, AND ALL OTHER ITEMS AS REQ.
21. WHERE LARGER STUDS OR FURRING ARE REQ TO COVER PIPING AND CONDUITS, THE LARGER STUD SIZE OR FURRING SHALL EXTEND THE FULL SURFACE OF THE WALL WIDTH AND LENGTH WHERE THE FURRING OCCURS, UNO.
22. ALL DOORS SHALL BE OPERABLE FROM THE INSIDE W/O THE USE OF A KEY OR SPECIAL KNOWLEDGE OF EFFORT. EXIT SIGNS SHALL BE PROVIDED AT ALL EXITS AS REQ BY THE APPLICABLE CODES. ALL DOOR SWINGS SERVING AN OCCUPANT LOAD OF 50 OR GREATER SHALL SWING IN THE DIRECTION OF TRAVEL.
23. ALL GLASS AND GLAZING SHALL COMPLY WITH THE APPLICABLE CODES.
24. WALL AND CLG MATERIALS SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN THE APPLICABLE CODES.
25. SURVEYORS CERTIFICATE REQ PRIOR TO FINAL COMPLETION.
26. THE CONTRACTOR SHALL COMPLY WITH THE APPLICABLE CODES FOR FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
27. A DSA CERTIFIED CLASS 1 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT (DSA) SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRAIVE CODE (PART 1, TITLE 24, CCR)
28. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQ TESTS AND INSPECTIONS FOR THE PROJECT.
29. CHANGE TO THE APPROVED DWGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQ BY SECTION 4-338, PART 1, TITLE 24, CCR.
30. THE INTENT OF THESE DWGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXG 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 REQ WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(c), PART 1, TITLE 24, CCR)

FIRE AND LIFE SAFETY NOTES

1. PLANS FOR THE FIRE SPRINKLER SYSTEMS MUST BE APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ) PRIOR TO INSTALLATION. SUBMIT PLANS IN A MANNER WHICH WILL NOT IMPEDE THE PROGRESS OF CONSTRUCTION.
2. FIRE SPRINKLER SYSTEMS & INSTALLATION SHALL CONFORM W/ THE APPLICABLE STANDARDS AND CODES.
3. FIRE SPRINKLER SYSTEMS TO BE TIED INTO THE ALARM SYSTEM PER THE APPLICABLE CODES.
4. AUTOMATIC SPRINKLER SYSTEM(S) SHALL BE SUPERVISED BY AN APPROVED CENTRAL OR REMOTE STATION SERVICE, AND/OR SHALL BE PROVIDED W/ A LOCAL ALARM WHICH WILL GIVE AN AUDIBLE SIGNAL.
5. FIRE SPRINKLER SYSTEM(S) & ALL CONTROL VALVES SHALL BE SUPERVISED BY A U.L. LISTED CENTRAL ALARM STATION OR PER THE APPLICABLE CODES.
6. FIRE HYDRANT & FIRE SPRINKLER SYSTEM(S) SHALL BE FLUSHED THOROUGHLY BEFORE CONNECTION IS MADE TO EXISTING SYSTEM STUBOUTS & WITNESSED BY THE PROJECT INSPECTOR.
7. A HYDROSTATIC TEST (200 PSI PRESSURE FOR 2 HRS. OR @ 50 PSI IN EXCESS OF THE MIN. STATIC PRESSURE WHEN IT IS IN EXCESS OF 150 PSI) SHALL BE WITNESSED BY THE PROJECT INSPECTOR PRIOR TO COVERING PIPING JOINTS.
8. A 3' CLR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF FIRE HYDRANTS EXCEPT AS OTHERWISE REQ OR APPROVED PER THE APPLICABLE CODES.
9. THRUST BLOCKS SHALL BE PROVIDED WHEREVER PIPE CHANGES DIRECTION.
10. ALL PIPE SHALL BE UL LISTED FOR FIRE SERVICE SYSTEMS, CLASS 200 MIN.
11. FIRE DEPARTMENT CONNECTIONS SHALL BE LOCATED W/I 100' FROM A PUBLIC FIRE HYDRANT PER THE APPLICABLE STANDARDS AND CODES.
12. FIRE SPRINKLER RISER SHALL BE LOCATED WITHIN 5 FT OF THE EXT WALL (OR AS REQ BY THE AHJ) AND TERMINATE 6" ABV FF
13. AN ALL-WEATHER FIRE ACCESS ROAD SHALL BE IN PLACE BEFORE ANY COMBUSTIBLE MATERIALS ARE PLACED ON THE SITE OR AS REQ BY THE AHJ.
14. STORAGE, DISPENSING, OR USE OF ANY FLAMMABLE & COMBUSTIBLE LIQUIDS, FLAMMABLE & COMPRESSED GASES & OTHER HAZARDOUS MATERIALS SHALL COMPLY W/ THE APPLICABLE CODES.
15. EXIT SIGNS SHALL BE POSTED OVER EXIT DOORS & DIRECTIONAL EXIT SIGNS SHALL BE LOCATED TO DIRECT PERSONS TOWARD EXIT DOORS.
16. EXIT SIGNS SHALL BE SELF-LUMINOUS TYPE OR ELECTRONICALLY ILLUMINATED & ENERGIZED FROM SEPARATE CIRCUITS, ONE OF WHICH SHALL BE FROM STORAGE BATTERIES OR AN ON-SITE GENERATOR, FOR A DURATION OF 90 MINUTES PER THE APPLICABLE CODES.
17. EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
18. ACCESS GATE(S) SHALL BE OPENABLE W/ FIRE DEPT MASTER KEY FROM THE EXTERIOR.
19. CURBS ALONG FIRE LANES SHALL BE PAINTED SAFETY RED & MARKED "FIRE LANE NO PARKING" W/ 3" WHITE LETTERS ON THE TOP OF CURBING EVERY 30' AS INDICATED ON THE APPROVED DRAWINGS.
20. APPROVED NUMBERS OR ADDRESSES SHALL BE PROVIDED FOR ALL NEW & EXG BLDGS IN SUCH A POSITION AS TO BE PLAINLY VISIBLE & LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY PER THE APPLICABLE CODES.
21. PROVIDE PERMANENT OR TEMPORARY STANDPIPES WHILE BUILDING IS UNDER CONSTRUCTION PER THE APPLICABLE CODES.
22. PROVIDE FIRE EXTINGUISHERS PER THE REQ THE APPLICABLE STANDARDS AND CODES.

RESPONSIBILTY FOR JOB SITE SAFETY

NOTICE TO PERSONS PERFORMING WORK ON JOB SITE, INCLUDING CONTRACTORS, SUBCONTRACTORS, MATERIAL SUPPLIERS AND ANY AGENTS OR EMPLOYEES THEREOF

THESE PLANS AND SPECIFCATIONS DO NOT PROVIDE ANY DIRECTION OR INSTRUCTIONS TO CONTRACTORS, SUBCONTRACTORS, MATERIAL SUPPLIERS OR THEIR EMPLOYEES OR AGENTS RELATED TO CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, SAFETY PRECAUTIONS, MANNERS OR METHODS OF EGRESS OR INGRESS, INCLUDING BUT NOT LIMITED TO JOB SITE SAFETY, THE PHYSICAL CONDITION OF THE JOB SITE, THE MANNER OR METHOD IN WHICH THE AREA WHERE WORK IS PERFORMED IS ACCESSED BY WORKERS, AND SAFETY PROGRAMS OR SAFETY PROTOCOLS OF ANY KIND IN CONNECTION WITH THE WORK. ALL OF THE FOREGOING ARE SOLELY AND EXCLUSIVELY THE RESPONSIBILITY OF THE CONTRACTOR, SUBCONTRACTOR, MATERIAL SUPPLIERS, OR ANY AGENTS OR EMPLOYEES THEREOF.

THE ARCHITECT EXPRESSLY DISCLAIMS ANY CONTROL OVER AND RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, SAFETY PRECAUTIONS, MANNERS OR METHODS OF EGRESS OR INGRESS, INCLUDING BUT NOT LIMITED TO JOB SITE SAFETY, THE PHYSICAL CONDITION OF THE JOB SITE, THE MANNER OR METHOD IN WHICH THE AREA WHERE WORK IS PERFORMED IS ACCESSED BY WORKERS, AND SAFETY PROGRAMS OR SAFETY PROTOCOLS OF ANY KIND IN CONNECTION WITH THE WORK.

THE ARCHITECT HAS NOT CONDUCTED AN EVALUATION OR ANALYSIS OF SAFETY PROCEDURES OR APPLICABLE LAW REGARDING OR RELATING TO ACCESSING THE JOB SITE OR AREAS OF THE WORK DURING THE COURSE OF CONSTRUCTION.

THE ARCHITECT, THE ARCHITECT'S DESIGNS, AND ANY OTHER WORK PERFORMED BY THE ARCHITECT DO NOT ADDRESS, ANALYZE OR PROVIDE ANY DIRECTION OR ADVICE TO ANY PERSON OR ENTITY ON WHETHER OR NOT THE USE OF EXISTING LADDERS, DOORS, RAILINGS, INGRESS AND INGRESS ROUTES OR THE LIKE ARE IN COMPLIANCE OR NON-COMPLIANCE WITH OSHA, CAL-OSHA(CALIFORNIA ONLY), OR ANY OTHER APPLICABLE STATUTE, REGULATION, OR STANDARD RELATED TO JOB SITE SAFETY DURING THE COURSE OF CONSTRUCTION OF THE IMPROVEMENTS.

LIST OF APPLICABLE CODES

LIST OF APPLICABLE CODES

2025	CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
2025	CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
2025	CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
2025	CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
2025	CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
2025	CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
2025	CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
2025	CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
2025	CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR
2025	CALIFORNIA REFERENCED STANDARDS CODE, 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.

VICINITY MAP

PROPOSED SITE
ALTADENA ARTS MAGNET SCHOOL

ADDRESS:
743 E/ CALAVERAS STREET
ALTADENA, CA 91001

TRUE NORTH PROJECT NORTH

PROJECT SCOPE

THE SCOPE OF WORK INCLUDES PARKING LOT EXPANSION AND THE RELOCATION OF THE EXISTING PLAYGROUND. THE PARKING LOT EXPANSION INCLUDES ASPHALT PAVING, CONCRETE PAVING, CONCRETE PAVERS, FENCING, GATES, SITE LIGHTING, IRRIGATION, LANDSCAPE, PV CARPORT PC #04-123955 AND FIRE LANE PAVEMENT. PLAYGROUND SCOPE TO INCLUDE HARDSCAPE, LANDSCAPE, PLAY EQUIPMENT, SITE RETAINING WALLS AND AMPTHITHEATER SEATING.

LIMIT OF WORK

THE INTENT OF THE LIMIT OF WORK LINE IS TO DESCRIBE IN GENERAL THE AREAS AFFECTED BY PROJECT CONSTRUCTION. IT IS NOT INTENDED TO BE AN EXACT INDICATION OR EDGE OF THE CONSTRUCTION AREA. THE CONTRACTOR SHOULD VISIT THE SITE & BECOME FAMILIAR W/ EXG CONDITIONS & THEIR RELATIONSHIP TO THE WORK PROPOSED IN THE CONTRACT DOCUMENTS. ALL ITEMS NECESSARY FOR THE PROPER EXECUTION & COMPLETION OF THE WORK SHALL BE INCLUDED. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY & WHAT IS REQ BY ONE SHALL BE BINDING AS IF REQ BY ALL TO THE EXTENT THAT IT IS REASONABLY INFERABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INTENDED RESULTS.

FIRE DEPARTMENT NOTES

1. PROVIDE A MINIMUM, UNOBSTRUCTED WIDTH OF 20 FEET, CLEAR TO SKY, VEHICULAR ACCESS TO WITHIN 150 FEET OF ALL PORTIONS OF THE UILDING EXTERIOR WALLS. 2019 C.F.C. SECTION 503.
2. VEHICULAR ACCESS MUST BE MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION.
3. "NO PARKING - FIRE LANE" MARKING SHALL BE PROVIDED FOR FIRE APPARATUS ACCESS ROADS. FIRE LANES SHALL BE MAINTAINED IN A CLEAN AND LEGIBLE CONDITION AT ALL TIMES AND REPLACED OR REPAIRED WHEN NECESSARY TO PROVIDE ADEQUATE VISIBILITY PER 2019 C.F.C. SECTION 503.3.
4. FIRE EXTINGUISHER REQUIREMENTS SHALL BE DETERMINED BY FIELD INSPECTOR. 2016 C.F.C. SECTION 906.
5. BUILDING ADDRESS NUMBERS TO BE PROVIDED ON THE FRONT OF ALL BUILDINGS AND SHALL BE VISIBLE AND LEGIBLE FROM STREET FRONTING THE PROPERTY. SAID NUMBERS SHALL CONTRAST W/ THEIR BACKGROUND PER 2019 C.F.C. SECTION 505.1.
6. PROVIDE A KEY BOX LOCATION AT ALL GATED ENTRANCES AS REQUIRED BY 2016 C.F.C. SECTION 506.
7. COMMERCIAL DUMPSTERS OR CONTAINERS WITH AN INDIVIDUAL CAPACITY OF 1.5 CUBIC YARDS OR GREATER SHALL NOT BE STORED OR PLACED WITHIN FIVE FEET OF COMBUSTIBLE WALLS, OPENINGS OR COMBUSTIBLE ROOF EAVE LINES UNLESS AREAS CONTAINING DUMPSTERS ARE PROTECTED BY AN APPROVED SPRINKLER SYSTEM PER 2019 C.F.C. SECTION 304.3.3.
8. ROADS MUST BE CONSTRUCTED OF A MATERIAL WHICH PROVIDES AN ALL WEATHER DRIVING SURFACE AND CAPABLE OF SUPPORTING THE 70,000 POUND IMPOSED LOAD FOR THE FIRE APPARATUS. CALCULATIONS STAMPED AND SIGNED BY A REGISTERED ENGINEER SHALL CERTIFY THAT THE PROPOSED URFACE MEETS THE ABOVE CRITERIA.
9. ALL EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. EXIT SIGNS SHALL BE PROVIDED AT ALL EXITS AS REQUIRED BY CALIFORNIA BUILDING CODE, CHAPTER 10. ALL DOOR SWINGS SERVING AN OCCUPANT LOAD OF 50 OR GREATER SHALL SWING IN THE DIRECTION OF TRAVEL.
10. PROVIDE EXIT ILLUMINATION PER THE REQUIREMENTS OF C.B.C., CHAPTER
11. COMPLIANCE WITH CFC CHAPTER 33, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" AND CBC CHAPTER 33 WILL BE ENFORCED.
12. EMERGENCY VEHICLE ACCESS ROADS AND ON-SITE FIRE HYDRANTS SHALL BE IN SERVICE AND OPERABLE PRIOR TO LOADING THE SITE WITH COMBUSTIBLE MATERIAL.

STATEMENT OF GENERAL CONFORMANCE

Application No.: # 03-125900
File No.: 19-80

The drawings identified as follows:

- ☒ All drawings sheets included in this set not bearing my stamp and signature.
- ☐ Drawing sheets denoted in the sheet index as follows: ________________
- ☐ Drawing sheets included under the following PC approval(s):___________

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

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

Per Title 24, Part 1, Section 4-316(b): This Statement of General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344 of Title 24, Part 1.

Signature: ______ Date: 02 / 02 / 2026

Architect or Engineer designated to be in general responsible charge

Print Name: Nicole Mehta
License Number: C-30830
Expiration Date: 09 / 30 / 2027

PROJECT DIRECTORY

CLIENT INFORMATION

NAME: PASADENA UNIFIED SCHOOL DISTRICT
ADDRESS: 351 S. HUDSON AVE.
CITY,STATE, ZIP: PASADENA, CA 91109
DIRECTOR OF FACILITY
TEL: 626-396-3619
CONTACT: MICHAEL DUNNING E-MAIL: dunning.michael@pusd.us

ARCHITECT

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TEL: 949/261-1001
CONTACT: NICOLE MEHTA E-MAIL: nmehta@lpadesignstudios.com

LANDSCAPE ARCHITECT CONCEPTUAL DESIGN

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CONTACT: HELLEN BELONG E-MAIL: hellenebelong@hotmail.com

LANDSCAPE ARCHITECT

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TEL: 949/701-4103
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CIVIL ENGINEER

NAME: LPA, INC.
ADDRESS: 5301 CALIFORNIA AVE, SUITE 100
CITY,STATE, ZIP: IRVINE, CA 92617
TEL: 949/701-4033
CONTACT: KATHEREEN SHINKAI E-MAIL: kshinkkai@lpadesignstudios.com

GEOTECHNICAL ENGINEER

NAME: KOURY ENGINEERING & TESTING, INC.
ADDRESS: 5711 SCHAEFER AVE.
CITY,STATE, ZIP: CHINO, CALIFORNIA 91710
TEL: 909-606-6111
CONTACT: JACQUES ROY E-MAIL: jacquesr@kourygeo.com

STRUCTURAL ENGINEER

NAME: LPA, INC.
ADDRESS: 5301 CALIFORNIA AVE, SUITE 100
CITY,STATE, ZIP: IRVINE, CA 92617
TEL: 949/261-1001
CONTACT: DANIEL WANG E-MAIL: dwang@lpadesignstudios.com

ELECTRICAL ENGINEER

NAME: IMEG CORP
ADDRESS: 300 NORTH LAKE AVE, 12TH FLOOR
CITY,STATE, ZIP: PASADENA, CA 91101
TEL: 949/463-2800
CONTACT: KRISTINA NAKAMOTO E-MAIL: kristina.m.nakamoto@imegcorp.com

CALIFORNIA ENERGY CODE SECTION 10-103

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

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

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

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

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

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

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING
949-261-1001 Office
LPADesignStudios.com
5301 California Avenue, Suite 100
Irvine, California 92617

NICOLE MEHTA
C30830
9/30/2027
RENEWAL DATE

ALTADENA ARTS MAGNET SCHOOL

743 E. CALAVERA ST,
ALTADENA CA 91001

Developed for
PASADENA UNIFIED SCHOOL DISTRICT

Revision	Date

Submittal	Date
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

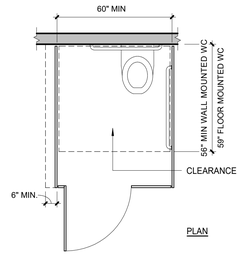
Job Number	33366
Checked By	Checker
Scale	As indicated

GENERAL PROJECT INFORMATION

G0.20

CBC 11B-604.8.1.4 & CBC 11B-604.8.1.1.3

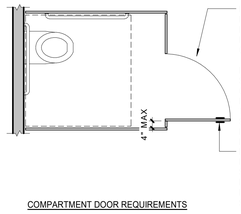
ELEVATION ADULT



PLAN

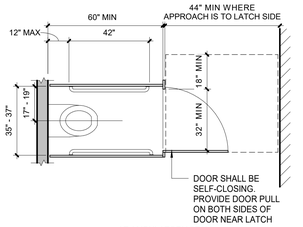
NOTE:
TOE CLEARANCE AT THE SIDE PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 66" WIDE

WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT TOE CLEARANCE | 3/8" = 1'-0" | 08



COMPARTMENT DOOR REQUIREMENTS

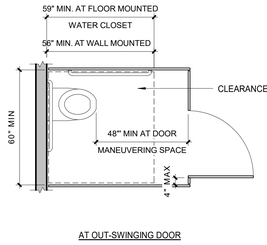
NOTE: TOILET COMPARTMENT DOORS INCLUDING HARDWARE, SHALL BE MIN. 32" CLR. AND COMPLY WITH CBC. TOILET COMPARTMENT DOORS IN THE SIDE OF THE PARITION SHALL BE MIN. 34" CLR.



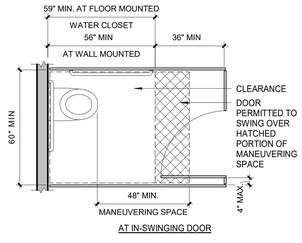
AT AMBULATORY STALL

CBC 11B-604.8.1.2

CBC 11B-604.2,CBC 11B-604.5.1, & CBC 11B-604.8.2

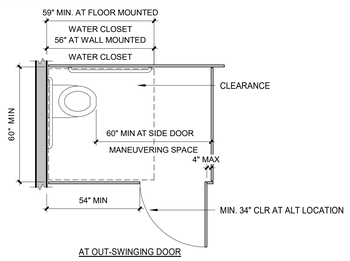


AT OUT-SWINGING DOOR

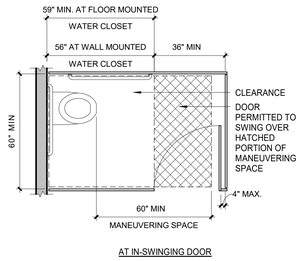


AT IN-SWINGING DOOR

CBC 11B-604.8.1.1.3 & CBC 11B-604.8.1.2



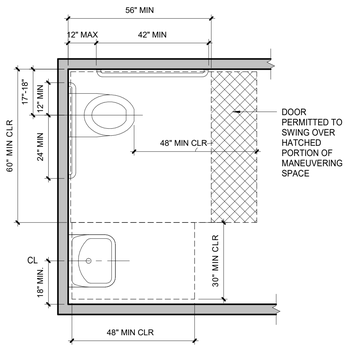
AT OUT-SWINGING DOOR



AT IN-SWINGING DOOR

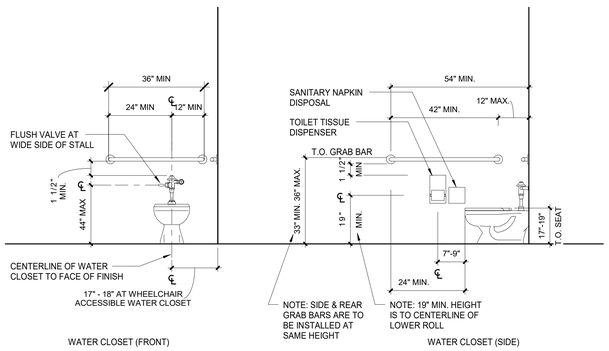
CBC 11B-604.8.1.1.2 & CBC 11B-604.8.1.2

ACCESSIBLE TOILET CLEARANCES | 3/8" = 1'-0" | 06



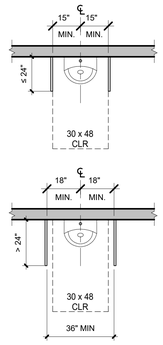
CBC 11B-604.3.1, CBC 11B-604.5.1, & CBC 11B-606.2

ACCESSIBLE FIXTURES AT SINGLE ACCOMMODATION RESTROOM | 1/2" = 1'-0" | 15



CBC 11B-604.1, CBC 11B-604.2, CBC 11B-604.4, CBC 11B-604.7, CBC 11B-604.5.1, CBC 11B-609.3, & CBC 11B-609.4

RESTROOM MOUNTING HEIGHTS | 1/2" = 1'-0" | 17



CBC 11B-305.7.1

ACCESSIBLE URINAL PARTITIONS | 3/8" = 1'-0" | 14

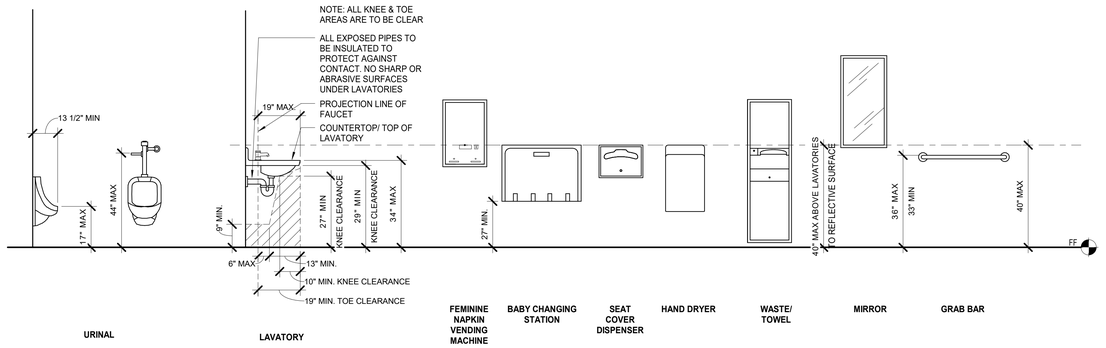
* REQUIRED MOUNTING HEIGHTS

DIMENSION	A (INCHES)	E (INCHES) AGES 9-12
TOILET CENTERING FROM WALL	17-18	15
TOILET SEAT HEIGHT / DIM. TO TOP OF SEAT	17-19	15
GRAB BAR HEIGHT	33-36	25-27
TOILET PAPER IN FRONT OF TOILET	7 MIN - 9 MAX	7 MIN - 9 MAX
NAPKIN DISPOSAL	19" MIN.	17" MIN.
TISSUE DISPENSER OUTLET	19 MIN	17 MIN
DISPENSER OR MIRROR HEIGHT	40 MAX	36 MAX
LAVATORY / SINK TOP HEIGHT	34 MAX	31 MAX
LAVATORY / SINK KNEE CLEARANCE	27 MIN	24 MIN
LAVATORY / SINK APRON CLEARANCE	29 MIN	29 MIN
URINAL LIP HEIGHT	17 MAX	17 MAX
URINAL FLUSH HANDLE HEIGHT	44 MAX	44 MAX
URINAL PROJECTION FROM WALL	13.5 MIN	13.5 MIN
DRINKING FOUNTAIN BUBBLER HEIGHT	36 MAX	32 MAX
DRINKING FOUNTAIN KNEE CLEARANCE	27 MIN	24 MIN
RAMP / STAIR HANDRAIL HEIGHT	34 - 38	27 **

NOTES:
A = ADULT DIMENSIONS (AGE 12 AND OVER)
E = ELEMENTARY DIMENSIONS
K = KINDERGARTEN DIMENSIONS

** IN ADDITION TO ADULT RAIL. MAINTAIN 9" MIN. VERTICAL CLEARANCE BETWEEN UPPER & LOWER HANDRAILS TO HELP PREVENT ENTRAPMENT

FOR MOUNTING ANCHORAGES, USE MNFR. SUPPLIED FASTENERS



CBC 11B306.2, CBC 11B306.2.2, CBC 11B306.3, CBC 11B-603.3, CBC 11B603.5, CBC 11B-605.2, CBC 11B-606, & CBC 11B609.4

ACCESSIBLE MOUNTING HEIGHTS | 1/2" = 1'-0" | G0.31 | 05

GENERAL NOTES

1. ALL DIMENSIONS SHOWN ON THIS SHEET ARE TO FACE OF FINISH, U.N.O.
2. ALL DIMENSIONS AND CLEARANCES SHOWN ON THIS SHEET ARE APPLICABLE THROUGHOUT THE DOCUMENTS WHEREVER THE DESCRIBED CONDITIONS OCCUR AND MAY OR MAY NOT BE SPECIFICALLY REFERENCED.
3. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL REQUIRED CLEARANCES.
4. CONTRACTOR SHALL BRING DISCREPANCIES TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
5. FLOOR SLOPE AT ALL WHEELCHAIR SPACES TO BE 1:48 MAX. IN ANY DIRECTION.
6. ACCESSIBLE SIGNAGE REQUIREMENTS SEE SHEET A10.40

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

LPA
ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING
949-261-1001 Office
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5301 California Avenue, Suite 100
Irvine, California 92617

LICENSED ARCHITECT NICOLE MEHTA C30830 9/30/2027 RENEWAL DATE STATE OF CALIFORNIA

ALTADENA ARTS MAGNET SCHOOL

743 E. CALAVERA ST,
ALTADENA CA 91001

Developed for
PASADENA UNIFIED SCHOOL DISTRICT

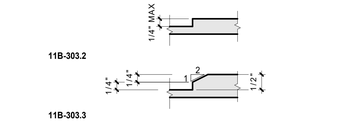
Revision	Date

Submittal	Date
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

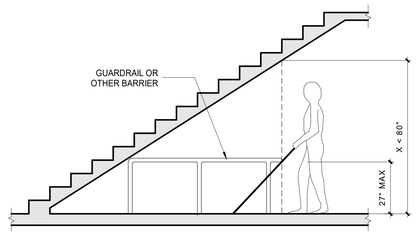
Job Number	33366
Checked By	LPA
Scale	As indicated

ACCESSIBILITY DETAILS

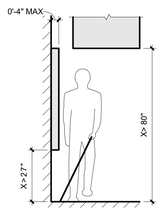
G0.31



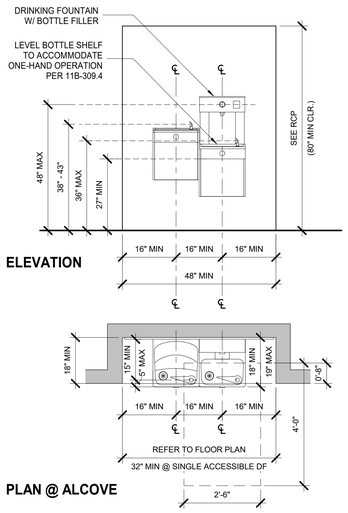
CHANGES IN LEVEL | 6" = 1'-0" | G0.32 | 24



VERTICAL CLEARANCE | 3/8" = 1'-0" | G0.32 | 20



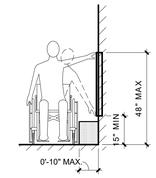
ACCESSIBLE PATH OF TRAVEL PROTRUDING OBJECT LIMITS | 3/8" = 1'-0" | G0.32 | 16

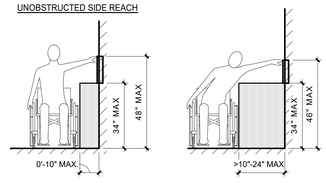


1. DRINKING FOUNTAIN SHALL BE ACCESSIBLE.
2. DRINKING FOUNTAINS SHALL BE LOCATED COMPLETELY WITHIN ALCOVES OR OTHERWISE POSITIONED SO AS NOT TO ENCROACH INTO PEDESTRIAN WAYS. THE ALCOVE IN WHICH THE WATER FOUNTAIN IS LOCATED SHALL NOT BE LESS THAN 32" IN WIDTH AND 18" IN DEPTH.
3. DRINKING FOUNTAIN SHALL BE A MINIMUM OF 18" AND A MAXIMUM OF 19" IN DEPTH AND THERE SHALL BE A CLEAR AND UNOBSTRUCTED KNEE SPACE UNDER THE DRINKING FOUNTAIN NOT LESS THAN 27" IN HEIGHT, 30" IN WIDTH AND 8" IN DEPTH, THE DEPTH MEASUREMENT BEING TAKEN FROM THE FRONT EDGE OF THE FOUNTAIN.
4. THERE SHALL BE TOE CLEARANCE OF 9" IN HEIGHT ABOVE THE FLOOR, AND 17" IN DEPTH FROM THE FRONT EDGE OF THE FOUNTAIN.
5. A CLEAR FLOOR SPACE AT LEAST 30" X 48" SHALL BE PROVIDED IN FRONT OF THE DRINKING FOUNTAIN TO ALLOW FORWARD APPROACH.
6. THE DRINKING FOUNTAIN BUBBLER SHALL BE ACTIVATED BY A MANUALLY OPERATED SYSTEM THAT IS FRONT MOUNTED OR SIDE MOUNTED AND LOCATED WITHIN 6" OF THE FRONT EDGE OF THE FOUNTAIN OR AN ELECTRONICALLY CONTROLLED DEVICE.
7. THE BUBBLER OUTLET ORIFICE SHALL BE LOCATED WITHIN 5" OF THE FRONT OF THE DRINKING FOUNTAIN AND SHALL BE WITHIN 36" OF THE FLOOR. **11B-602.6 WATER FLOW.** THE SPROUT SHALL PROVIDE A FLOW OF WATER 4 INCHES HIGH MINIMUM AND SHALL BE LOCATED 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPROUTS ARE LOCATED LESS THAN 3 INCHES OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPROUTS ARE LOCATED BETWEEN 3 INCHES AND 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAXIMUM.

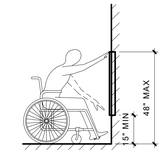
CBC 11B-306.3, CBC 11B-602.4 CBC 11B-602.6

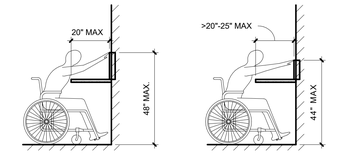
DRINKING FOUNTAIN ALCOVE W/ BOTTLE FILLER | 1/2" = 1'-0" | G0.32 | 21





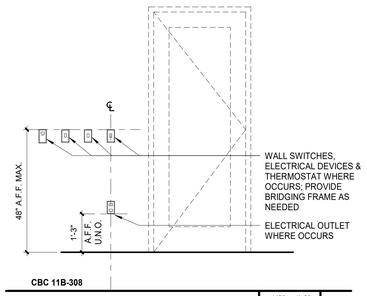
ACCESSIBLE SIDE REACH REQUIREMENTS | 3/8" = 1'-0" | G0.32 | 19



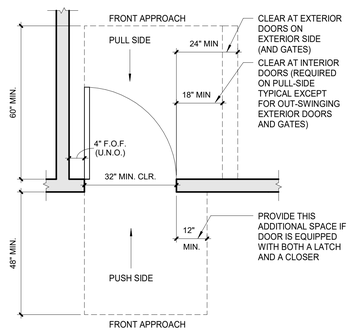


ACCESSIBLE FORWARD REACH REQUIREMENTS | 3/8" = 1'-0" | G0.32 | 15

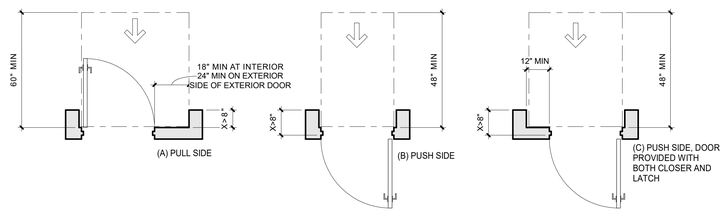
NOTE: ALIGN CENTER OF ALL WALL SWITCHES & WALL DEVICES @ CENTERLINES U.N.O.



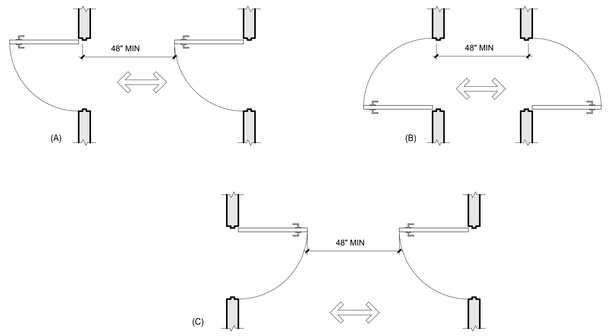
TYPICAL DEVICE INSTALLATION | 1/2" = 1'-0" | G0.32 | 18



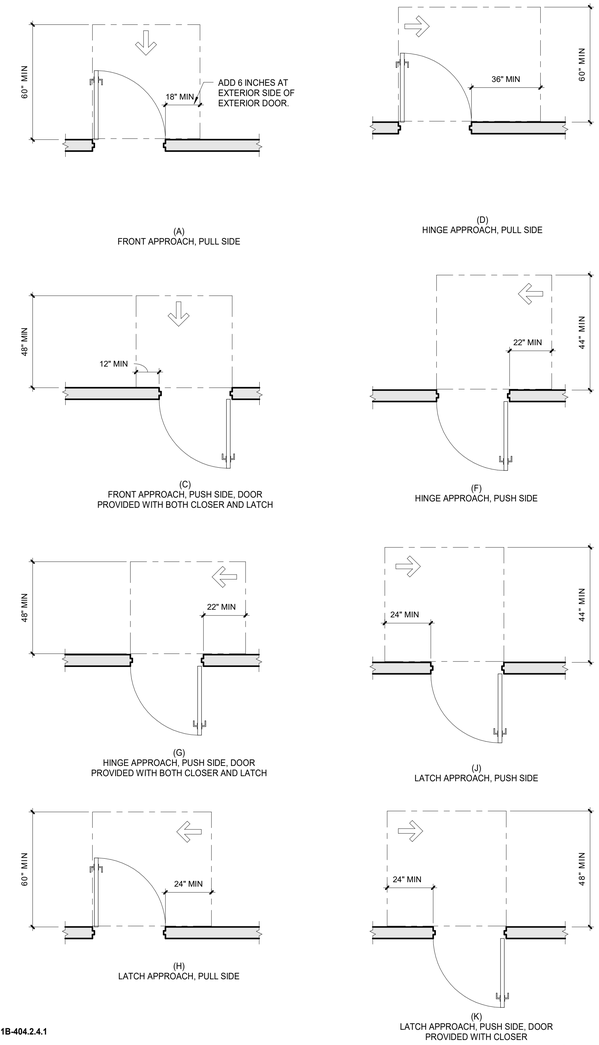
TYPICAL CLEARANCES AT DOOR | 1/2" = 1'-0" | G0.32 | 14



RECESSED DOOR CLEARANCES | 3/8" = 1'-0" | 13



DOOR CLEARANCES - DOORS IN SERIES | 3/8" = 1'-0" | 08



DOOR CLEARANCES | 3/8" = 1'-0" | 05

GENERAL NOTES

1. ALL DIMENSIONS SHOWN ON THIS SHEET ARE TO FACE OF FINISH, U.N.O.
2. ALL DIMENSIONS AND CLEARANCES SHOWN ON THIS SHEET ARE APPLICABLE THROUGHOUT THE DOCUMENTS WHEREVER THE DESCRIBED CONDITIONS OCCUR AND MAY OR MAY NOT BE SPECIFICALLY REFERENCED.
3. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL REQUIRED CLEARANCES.
4. CONTRACTOR SHALL BRING DISCREPANCIES TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
5. FLOOR SLOPE AT ALL WHEELCHAIR SPACES TO BE 1:48 MAX. IN ANY DIRECTION.
6. ACCESSIBLE SIGNAGE REQUIREMENTS SEE SHEET A10.40

DOOR & GATE GENERAL NOTES

1. THE CLEAR OPENING WIDTH FOR A DOOR SHALL BE 32 INCHES MINIMUM. FOR A SWINGING DOOR IT SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. THERE SHALL BE NO PROJECTIONS INTO IT BELOW 34"; UP TO 4" MAXIMUM PROJECTIONS ARE ALLOWED BETWEEN 34" AND 80" ABOVE THE FINISH FLOOR OR GROUND. DOOR CLOSERS AND STOPS SHALL BE PERMITTED TO BE 78" MINIMUM ABOVE THE FINISH FLOOR OR GROUND. **CBC SECTION 11B-404.2.3**.
2. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL COMPLY WITH CBC SECTION 11B-309.4 AND SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MINIMMUM AND 44" MAXIMUM ABOVE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. **CBC SECTION 11B-404.2.7**.
3. THE LEVERS OF LEVER ACTUATED LATCHES OR LOCKS FOR DOORS AND ACCESSIBLE GATES SHALL BE CURVED WITH A RETURN TO WITHIN 1/2 INCHES OF THE GATE SURFACE TO PREVENT CATCHING ON THE CLOTHING OR PERSONS PER **CALIFORNIA REFERENCED STANDARD CODE. T-24 PART 12, SECTION 12-10-202, ITEM (F)**.
4. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS, PER **CBC SECTION 11B-404.2.9**:
   - INTERIOR HINGED DOORS, SLIDING OR FOLDING DOORS, AND EXTERIOR HINGED DOORS: 5 POUNDS (22.2N) MAXIMUM. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.
   - THE FORCE REQUIRED FOR ACTIVATING ANY OPERABLE PARTS, SUCH AS LEVER HARDWARE, OR DISENGAGING OTHER DEVICES SHALL BE 5 POUNDS (22.2N) MAXIMUM TO COMPLY WITH **CBC SECTION 11B-309.4**.
5. DOOR CLOSING SPEED SHALL BE AS FOLLOWS PER **CBC SECTION 11B-404.2.8**:
   - CLOSER SHALL BE ADJUSTED SO THAT THE REQUIRED TIME TO MOVE A DOOR FROM AN OPEN POSITION OF 90 DEGREES TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.
   - SPRING HINGES SHALL BE ADJUSTED SO THAT THE REQUIRED TIME TO MOVE A DOOR FROM AN OPEN POSITION OF 70 DEGREES TO THE CLOSED POSITION IS 1.5 SECOND MINIMUM.
6. THRESHOLDS SHALL COMPLY WITH **CBC SECTION 11B-404.2.5**.
7. FLOOR STOPS SHALL NOT BE LOCATED IN THE PATH OF TRAVEL AND 4" MAXIMUM FROM WALLS.
8. HARDWARE (INCLUDING PANIC HARDWARE) SHALL NOT BE PROVIDED WITH "NIGHT LATCH" (NL) FUNCTION FOR ANY ACCESSIBLE DOORS OR GATES UNLESS THE FOLLOWING CONDITIONS ARE MET: (SUCH CONDITIONS MUST BE CLEARLY DEMONSTRATED AND INDICATED IN THE SPECIFICATIONS)
   - SUCH HARDWARE HAS A 'DOGGING' FEATURE.
   - IT IS DOGGED DURING THE TIME THE FACILITY IS OPEN.
   - SUCH 'DOGGING' OPERATION IS PERFORMED ONLY BY EMPLOYEES AS THEIR JOB FUNCTION (NON-PUBLIC USE).
9. EMERGENCY EXIT & PANIC HARDWARE SHALL COMPLY WITH **SFM STANDARD 12-10-3, SECTION 12-10-302**: (A) THE CROSS-BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE. (B) THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.
10. SWING DOORS AND GATE SURFACE WITHIN 10" OF THE FINISH FLOOR OR GROUND SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16" OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED. **CBC SECTION 11B-404.2.10**.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

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LPADesignStudios.com
5301 California Avenue, Suite 100
Irvine, California 92617

LICENSED ARCHITECT
NICOLE MEHTA
C30830
9/30/2027
RENEWAL DATE
STATE OF CALIFORNIA

ALTADENA ARTS MAGNET SCHOOL

743 E. CALAVERA ST,
ALTADENA CA 91001

Developed for
PASADENA UNIFIED SCHOOL DISTRICT

Revision	Date

Submittal	Date
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

Job Number	33366
Checked By	LPA
Scale	As indicated

ACCESSIBILITY DETAILS

G0.32

DSA PR 15-01: Required Information for Path of Travel Upgrades on Construction Documents
Add responsible charge statement to Access Plan:

"Design Professional in General Responsible Charge Statement:
The POT identified in these construction documents meets the requirements of the current applicable California Building Code (CBC) accessibility provisions for path of travel requirements for alterations, additions and structural repairs. As part of the design of this project, the POT was examined and any elements, components or portions of the POT that were determined to be non-compliant with the CBC have been identified and the corrective work necessary to bring them into compliance has been included within the scope of this project's work through details, drawings and specifications incorporated into these construction documents. Any noncompliant elements, components or portions of the POT that will not be corrected by this project based on valuation threshold limitations or a finding of unreasonable hardship are indicated in these construction documents.

During construction, if POT items within the scope of the project represented as CBC compliant are found to be nonconforming beyond reasonable construction tolerances, the items shall be brought into compliance with the CBC as a part of this project by means of a construction change document."

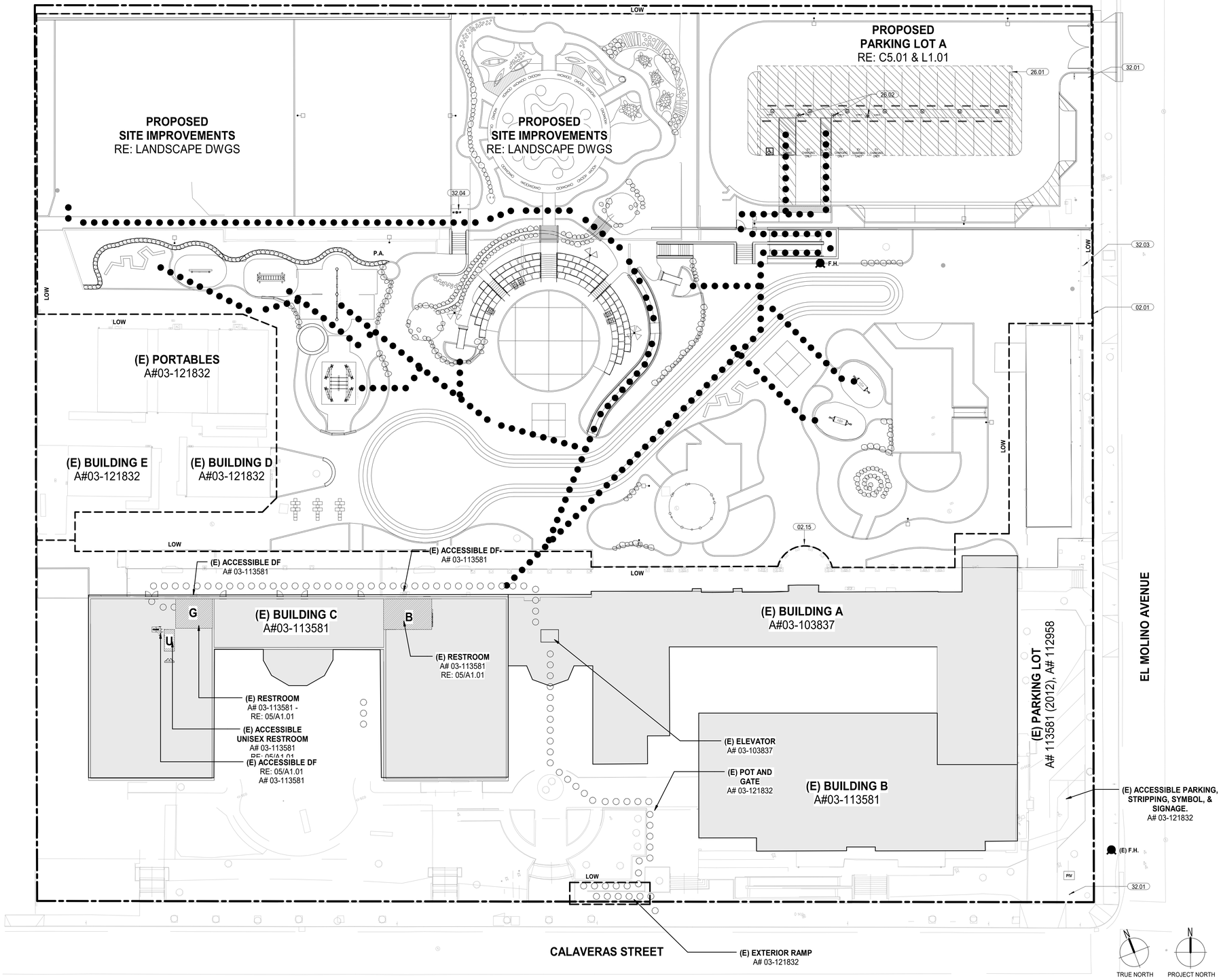
(E) PARKING TABULATION
A# 03-113581

PARKING LOT	TOTAL SPACES	TOTAL ACCESSIBLE (REQUIRED)	TOTAL ACCESSIBLE (PROVIDED)
LOT	(E) 4	1 REQUIRED	1 EXISTING (INCL. 1 VAN ACC)

(N) PARKING TABULATION

PARKING LOT	TOTAL SPACES	TOTAL ACCESSIBLE (REQUIRED)	TOTAL ACCESSIBLE (PROVIDED)
LOT A	21	1 REQUIRED	1 (INCL. 1 VAN ACC) (INCL. 4 EV SPACES) (1 EV ACCESSIBLE EVCS INCL.)

NOTES:
1. REQUIRED NUMBER OF ACCESSIBLE STALLS PER 2025 CBC SECT. 11B-208 AND 11B-208.2.4.
2. THE NUMBER OF VAN ACCESSIBLE STALLS (REQUIRED AND PROVIDED) IS INCLUDED WITHIN THE COUNT OF TOTAL ACCESSIBLE (REQUIRED AND PROVIDED)



KEYNOTES

02.01	(E) GATE WITH EMERGENCY KEY KNOX BOX FOR GATE TO BE ACCESSIBLE BY FIRE DEPARTMENT.
02.15	EXCAVATE EXISTING WALL AND FOOTING IN ORDER TO EXAMINE AND REPLACE EXISTING FAILED WATERPROOFING. REMOVE EXISTING WATERPROOFING AND INSTALL NEW WATERPROOFING AS REQUIRED FOR A CONTINUOUS MOISTURE BARRIER ON THE EXTERIOR SIDE OF THE BELOW GRADE WALL AND FOOTING. GRADE AND RECOMPACT SOIL PER CIVIL.
26.01	(N) PV CANOPY STRUCTURE, RE: PC DWGS.
26.02	(N) EV CHARGING STATION, RE: ELECTRICAL DWGS
32.01	(N) TOW-AWAY SIGNAGE PROVIDED, RE: CIVIL DWGS
32.03	(N) FIRE LANE ENTRANCE SIGN PER 08/G1.20.
32.04	(N) DRINKING FOUNTAIN, RE: LANDSCAPE DWGS

LEGEND

- EXISTING BUILDING UNDER PROJECT SCOPE OF WORK
  HATCH INDICATES RESTROOM OUTLINES (M) MEN, (W) WOMEN, (B) BOYS, (G) GIRLS, (U) UNISEX, RE:A101
- PROPOSED PARKING PV CANOPY. SEE PC DRAWINGS FOR STRUCTURE AND PV PANEL INFORMATION. SEE ELECTRICAL DRAWINGS FOR LIGHTING & POWER
  OCCUPANCY CLASSIFICATION:
  CARPORT (CBC 406.3.3)
  U (UTILITY & MISCELLANEOUS)
  NON OCCUPIED
  NON - SPRINKLERED
- EXISTING BUILDING OUTSIDE OF PROJECT SCOPE OF WORK
- EXISTING ACCESSIBLE PATH OF TRAVEL
  A# 03-113581
- ACCESSIBLE PATH OF TRAVEL (P.O.T.)
  PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED @1:2 MAXIMUM SLOPE; EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL & IS AT LEAST 48" WIDE; SURFACE IS SLIP RESISTANT, STABLE, FIRM & SMOOTH; CROSS-SLOPE DOES NOT EXCEED 2% & SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED; (P.O.T) SHALL MAINTAIN FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL(11B-307-4).
- **P.A.** PLANTING AREA
- **LOW** LIMIT OF WORK (U.N.O.)
- PROPERTY LINE
- S-##-X SIGNAGE TAG, RE: SIGNAGE SCHEDULE FOR MORE INFORMATION
- **(E) F.H.** EXISTING FIRE HYDRANT
- **F.H.** NEW FIRE HYDRANT, RE: 01/C3.01 & 07/C7.02

GENERAL NOTES

1. EXTERIOR WALL DIMENSIONS ARE TO FACE OF FINISH, U.N.O. INTERIOR WALL DIMENSIONS ARE TO FACE OF FINISH UNLESS IT IS LOCATED ON GRID LINE OR U.N.O. IF IT IS LOCATED ON A GRIDE LINE, INTERIOR WALL DIMENSIONS ARE TO CENTER OF WALL, DOORS ARE DIMENSIONED FROM ROUGH OPENING, U.N.O.
2. PATCH ALL SURFACES AND PROVIDE FINISH TO MATCH ADJACENT AS REQUIRED FOR ALL DEMOLITOIN AND INSTALLATION WORK. IN CASE OF WALL PANEL REPLACEMENT ENTIRE MASONITE OR DRYWALL PANEL IS TO BE REPLACED.
3. ALL FIRE EXTINGUISHERS SHALL BE FM APPROVED & SHALL BEAR THE FM SEAL OF APPROVAL.
4. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDTIONS AND REPORT ALL DISCREPANCIES TO THE ARCHITECT.
5. ALL WALLS EXPOSED CEILING, TRUSSES, AND STRUCTURAL ELEMENTS TO BE PAINTED P1, U.N.O. PROVIDE NEW WALL BASE B1.
6. ALL (E) WALL GRAPHICS TO REMAIN AND BE PROTECTED IN PLACE.
7. FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL BE IN ACCORDANCE TO 2025 CBC AND CFC.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE IN CHARGE STATEMENT

THE PATH OF TRAVEL (P.O.T.) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT HAVE BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT PRESENTED AS CBC COMPLIANT ARE FOUND TO BE NON-CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
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PASADENA UNIFIED SCHOOL DISTRICT

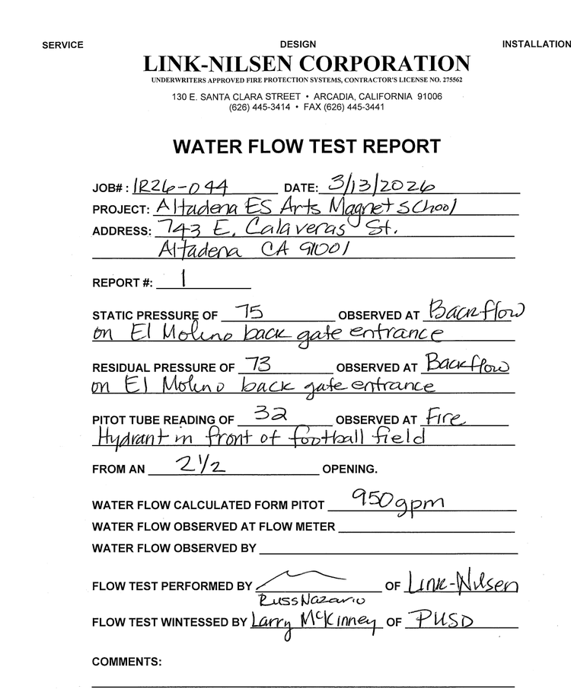
Revision	Date

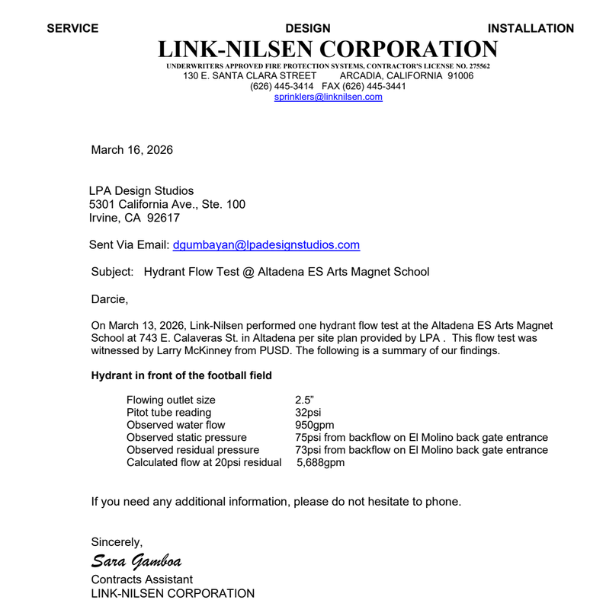
Submittal	Date
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

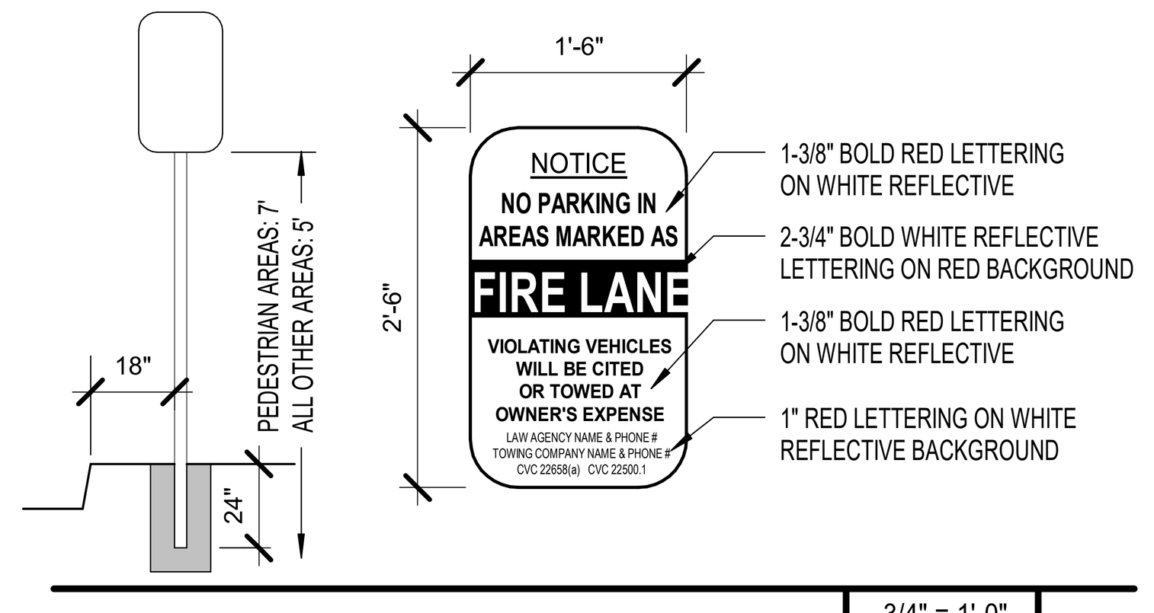
Job Number	33366
Checked By	Checker
Scale	As indicated

SITE ACCESSIBILITY PLAN

G1.10







FIRE LANE SIGNAGE | 3/4" = 1'-0" | G1.20 | 08

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:	PASADENA UNIFIED SCHOOL DISTRICT
Project Name/School:	ALTADENA ELEMENTARY SCHOOL
Project Address:	743 E. CALAVERAS ST, ALTADENA, CA 91001

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

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

LEGEND

- EXISTING BUILDING PART OF SCOPE OF WORK
- PROPOSED PARKING PV CANOPY. SEE PC DRAWINGS FOR STRUCTURE AND PV PANEL INFORMATION. SEE ELECTRICAL DRAWINGS FOR LIGHTING & POWER

  OCCUPANCY CLASSIFICATION:

  CARPORT (CBC 406.3.3)
  U (UTILITY & MISCELLANEOUS)
  NON OCCUPIED
  NON - SPRINKLERED
- EXISTING BUILDING OUTSIDE OF PROJECT SCOPE OF WORK
- FIRE ACCESS LANE, 20'-0"W U.N.O., 20'-0" MIN. INSIDE RADIUS U.N.O.
- (E) F.H. — EXISTING FIRE HYDRANT
- F.H. — NEW FIRE HYDRANT
- P.A. — PLANTING AREA
- 150'-0" MAX. LENGTH HOSE PULL
- 180'-0" MAX. LENGTH HOSE PULL FROM HYDRANT TO TRUCK
- PROPERTY LINE
- LOW — LIMIT OF WORK (U.N.O.)
- ASSUMED PROPERTY LINE
- FIRE TRUCK
- PIV — EXISTING POST-INDICATOR VALVE, RE: CIVIL UTILITY PLAN, C3.01, FOR ADDITIONAL INFORMATION
- PATH OF TRAVEL

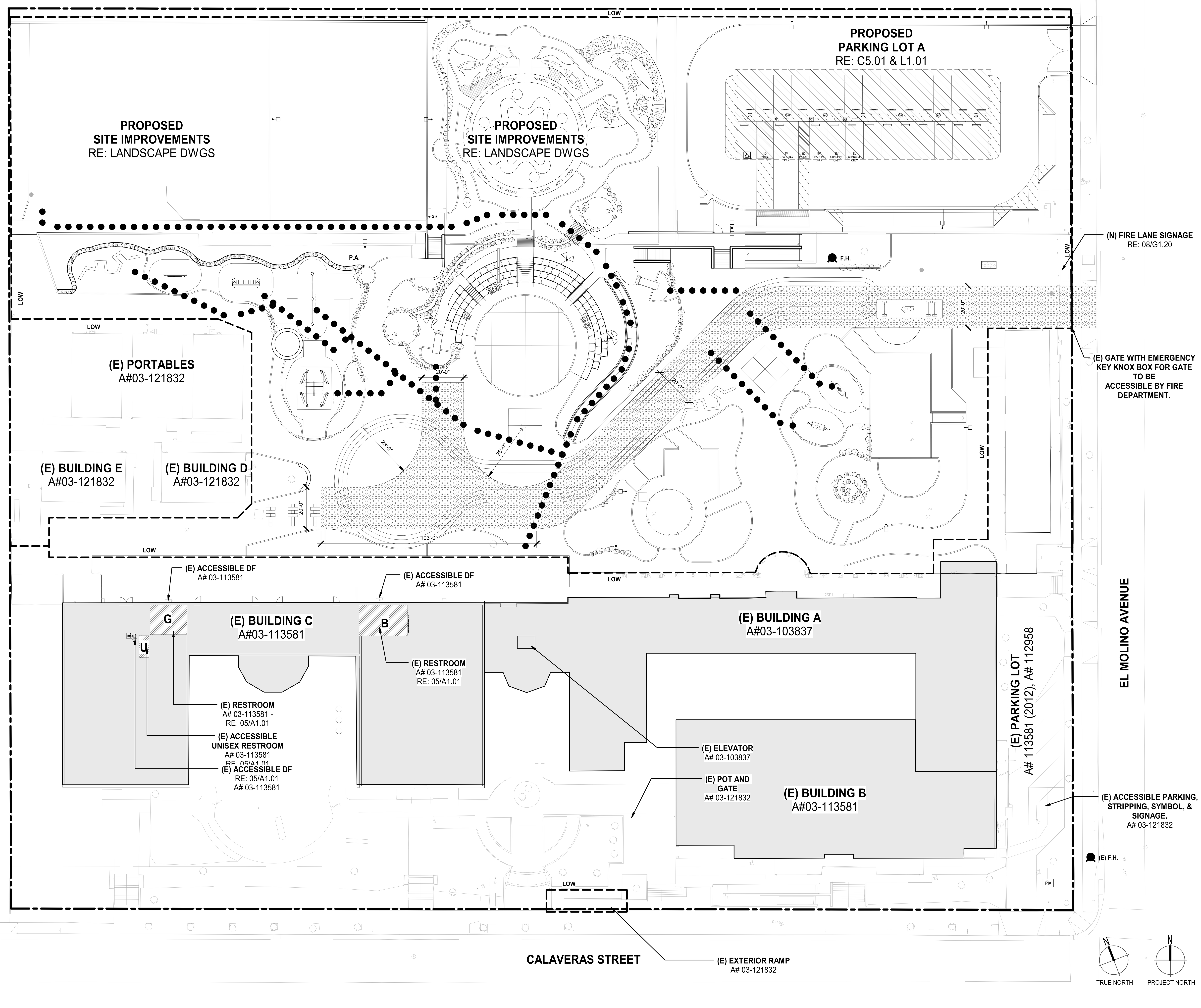
FIRE FLOW & HYDRANT ANALYSIS

REQUIRED FIRE FLOW AND DURATION FOR TYPE VB CONSTRUCTIONH = 1,500 GPM FOR 2 HRS. (PER CFC TABLE CC105.1)

NUMBER AND DISTRIBUTION OF FIRE HYDRANTS FOR 1,500 GPM
NUMBER OF REQUIRED HYDRANTS = (1) WITH 500 FEET MAXIMUM DISTANCE
MAXIMUM DISTANCE TO ANY POINT OF STRUCTURE = 250 FEET

NUMBER OF (E) HYDRANTS = 1

NUMBER OF (N) HYDRANTS = 1



00 - SITE ACCESSIBILITY PLAN Copy 2 | 1" = 20'-0" | G1.20 | 05

GENERAL NOTES

1. ALL VEGETATION AND OTHER OBSTRUCTIONS OVERHANGING A FIRE ACCESS ROADWAY SHALL BE MAINTAINED TO A CLEAR HEIGHT OF 13'-6".
2. ALL POLES, BACKBOARDS, AND OTHER OBSTRUCTIONS ON PLAYGROUNDS NEAR A FIRE ACCESS ROADWAY SHALL BE PROVIDED WITH REFLECTIVE TAPE OR PAINT.
3. THE CAMPUS IS IDENTIFIED WITH 6' HIGH ADDRESS NUMBERS EASILY VISIBLE FROM THE PUBLIC ROAD FRONTING THE PROPERTY. INDIVIDUAL STRUCTURES ARE IDENTIFIED WITH 6" HIGH ADDRESS NUMBERS OR LETTERS EASILY VISIBLE FROM THE PUBLIC WAY OR FIRE ACCESS ROADWAY.
4. PIVs, DDCVs, FDCs, SHALL BE UNOBSTRUCTED AND VISIBLE FROM THE FIRE LANE OR PUBLIC ROAD. THEY SHALL BE PAINTED OSHA SAFETY RED.
5. VEHICULAR ACCESS MUST BE MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION.
6. POST "NO PARKING" SIGNS ALONG FIRE VEHICULAR ACCESS ROAD(S) PER FIRE CODE 10.206, SEE SHEET G0.10.
7. A KNOX BOX SHALL BE PROVIDED AT ALL NEW FIRE ACCESS GATES WITH KEYS FOR ALL GATES. ALL FIRE ACCESS VEHICULAR GATES SHALL BE A MINIMUM OF 20'-0" WIDE.
8. PER 2025 CALIFORNIA FIRE CODE, SECTION 503: FIRE APPARATUS ACCESS ROADS SHALL BE PROVIDED FOR EVERY FACILITY, BUILDING, OR PORTION OF A BUILDING HEREAFTER CONSTRUCTED OR MOVED INTO OR WITHIN THE JURISDICTION WHEN ANY PORTION OF THE FACILITY OF ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY OF THE BUILDING IS LOCATED MORE THAN 150'-0" FROM FIRE APPARATUS ACCESS AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE BUILDING OR FACILITY.
9. PER 2025 CALIFORNIA FIRE CODE, SECTION 503: FIRE APPARATUS ACCESS ROADS SHALL BE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20'-0" (VEHICULAR ACCESS TO WITHIN/IN 150' OF ALL PORTIONS OF THE BUILDING EXTERIOR WALLS, FIRE CODE 10.204 (A) AND AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13'-6"). FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT AN 75,000 POUND LOAD / 25,000 POUND POINT LOAD AND BE PROVIDED WITH A SURFACE SO AS TO PROVIDE ALL WEATHER DRIVING CAPABILITIES. ROADWAYS SHALL HAVE A MINIMUM 20'-0" INSIDE TURNING RADIUS. DEAD END ACCESS ROADS SHALL NOT EXCEED 150'-0" IN LENGTH.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

LPA

ARCHITECTURE ENGINEERING INTERIOR DESIGN LANDSCAPE ARCHITECTURE PLANNING

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LICENSED ARCHITECT
NICOLE MEHTA
C30830
9/30/2027
RENEWAL DATE
STATE OF CALIFORNIA

ALTADENA ARTS MAGNET SCHOOL

743 E. CALAVERA ST,
ALTADENA CA 91001

Developed for
PASADENA UNIFIED SCHOOL DISTRICT

Submittal	Date
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

Revision	Date

Job Number	33366
Checked By	Checker
Scale	As indicated

SITE FIRE ACCESS PLAN

ABBREVIATIONS

AB	AGGREGATE BASE	MIN	MINIMUM
AC	ASPHALT CONCRETE PAVEMENT	MOC	MIDDLE OF CURVATURE
AE	ACCESS EASEMENT	N	NORTH
ASPH	ASPHALT PAVING	NG	NATURAL GRADE
BC	BEGIN CURVATURE	NTS	NOT TO SCALE
BCR	BEGIN CURB RETURN	OC	ON CENTER
BFP	BACK FLOW PREVENTER	(P)	PROPOSED, NEW
BI	BOX INLET	PA	PLANTING AREA
BM	BENCHMARK	PBC	PULL BOX CABLE
BOP	BOTTOM OF PIPE	PBE	PULL BOX ELECTRIC
BOR	BOTTOM OF RAMP	PBT	PULL BOX TELEPHONE
BS	BOTTOM OF STAIRS	PBW	PULL BOX WATER
BVC	BEGIN VERTICAL CURVATURE	PCC	POINT OF COMPOUND CURVATURE
BW	BOTTOM OF WALL	PE	PEDESTRIAN EASEMENT
C&G	CURB AND GUTTER	PI	POINT OF INTERSECTION
C/L,CL	CENTER LINE	PIVC	POINT OF INTERSECTION VERTICAL CURVATURE
CB	CATCH BASIN		
CONST	CONSTRUCT	PL	PROPERTY LINE
CR	CURB RETURN	POC	POINT OF CONNECTION
CT	COURT	PP	POWER POLE
CUL	CULVERT	PRC	POINT OF REVERSE CURVATURE
DI	DROP INLET	PVC	POLYVINYL CHLORIDE
DIP	DUCTILE IRON PIPE	PVMT	PAVEMENT
DW	DOMESTIC WATER	R	RADIUS
D/W	DRIVEWAY	RCP	REINFORCED CONCRETE PIPE
DE	DRAINAGE EASEMENT	RIM	TOP RIM OF STRUCTURE
DR	DRIVE	ROW	HIGHWAY EASEMENT
(E)	EXISTING	RT	RIGHT
E	EAST	RW	RECLAIMED WATER
EC	END CURVATURE	R/W	RIGHT OF WAY
ECR	END CURB RETURN	S	SOUTH OR SLOPE
EG	EXISTING GRADE	SBE	SETBACK EASEMENT
ELEV	ELEVATION	SCO	SANITARY SEWER CLEANOUT
EOC	EDGE OF CONCRETE	SD	STORM DRAIN
EP	EDGE OF PAVEMENT	SDMH	STORM DRAIN MANHOLE
EQ	EQUAL	SF	SQUARE FEET
ESMT	EASEMENT	SHT	SHEET
EVC	END OF VERTICAL CURVATURE	STA	STATION
FF	FINISHED FLOOR	SMH	SANITARY SEWER MANHOLE
FFE	FINISHED FLOOR ELEVATION	SS	SANITARY SEWER
FG	FINISHED GRADE	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
FH	FIRE HYDRANT		
FL	FLOWLINE	S/W	SIDEWALK
FS	FINISHED SURFACE	T	TANGENT
FW	FIRE PROTECTION SERVICE WATER	TB	TOP OF BERM
GB	GRADE BREAK	TBC	TOP BACK OF CURB
GFL	GUTTER FLOWLINE	TBW	TOP BACK OF WALK
GSL	LIMITS OF GRAVITY SEWER	TC	TOP OF CURB
GR	GRATE	TF	TOP OF FOOTING
GV	GAS VALVE	TG	TOP OF GRATE
HB	HOSE BIB	TOE	TOE OF SLOPE
HP	HIGH POINT	TOP	TOP OF PIPE
ICV	IRRIGATION CONTROL VALVE	TOR	TOP OF RAMP
INTX	POINT OF INTERSECTION	TOS	TOP OF SLOPE
INV	INVERT	TP	TOP OF PLANTER
JP	JOINT POLE	TS	TOP OF STAIRS
LE	LANDSCAPE EASEMENT	TW	TOP OF WALL
LF	LINEAR FEET	TYP	TYPICAL
LIP	LIP OF GUTTER	TP	TELEPHONE POLE
LP	LOW POINT	VC	VERTICAL CURVATURE
LT	LEFT	W	WEST
MAX	MAXIMUM	WM	WATER MAIN
MH	MANHOLE	WV	WATER VALVE

LEGEND

SYMBOL	DESCRIPTION
(RD)	ROOF DRAIN POC 5' FROM BUILDING
(G)	GAS POC 5' FROM BUILDING
(F)	FIRE WATER POC 5' FROM BUILDING
(W)	DOMESTIC WATER POC 5' FROM BUILDING
(SS)	SANITARY SEWER POC 5' FROM BUILDING
(D)	STORM DRAIN MANHOLE
(S)	SANITARY SEWER MANHOLE
▦	DRAIN INLET
AD ∘	AREA DRAIN
▭	TRENCH DRAIN
⊗	CLEANOUT
●	BLOW OFF
▼	FIRE HYDRANT
⋈	VALVE
⊗ ⋈	POST INDICATOR VALVE (PIV)/CHECK VALVE (CHK VLV)/FIRE DEPARTMENT CONNECTION (FDC)
⋈	CHECK VALVE (CHK VLV)
▼	FIRE DEPARTMENT CONNECTION (FDC)
◢	DOUBLE DETECTOR CHECK (DBL CHK)
▭	REDUCED PRESSURE (BFP)
⊗	POST INDICATOR VALVE (PIV)
◁	THRUST BLOCK
⌐	BENDS, TEE AND CROSS
M	WATER METER

LINE TYPE	DESCRIPTION
— — — — —	APPROXIMATE PROJECT LIMITS
—— – – —— – –	RIGHT OF WAY/ PROPERTY LINE
—×—×—×—×—	FENCE
//////////////	REMOVE EXISTING UTILITY
— — SS — — SS —	EXISTING SEWER LINE
— — W — — W —	EXISTING WATER LINE
— — SD — — SD —	EXISTING STORM DRAIN LINE
— — FW — — FW —	EXISTING DEDICATED PRIVATE FIRE SERVICE
— — G — — G —	EXISTING NATURAL GAS SERVICE
— — E — — E —	EXISTING ELECTRICAL LINE / CONDUIT
— — T — — T —	EXISTING TELECOMMUNICATIONS LINE / CONDUIT
XXLF 6"SS S=X.XXX	SANITARY SEWER LINE
XXLF 6"DW PVC	DOMESTIC WATER LINE
XXLF 6"SD S=X.XXX	STORM DRAIN LINE (≤8" DIAMETER)
XXLF 12"SD S=X.XXX	STORM DRAIN LINE (>8" DIAMETER)
- - - - - - - -	PERFORATED STORM DRAIN LINE
XXLF 8"FW PVC	DEDICATED PRIVATE FIRE SERVICE
XXLF GAS PVC	NATURAL GAS LINE
— — GB — —	GRADE BREAK LINE
—— - - - ——> —— - - - ——>	FLOW LINE
— — // — — // — —	DAYLIGHT LINE

GENERAL EROSION AND SEDIMENT CONTROL NOTES

1. CONTRACTOR SHALL ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE AT ALL TIMES DURING CONSTRUCTION.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.
3. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS.
4. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
5. CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMPS, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMPS OR EROSION AND SEDIMENT CONTROL PLAN.
6. IN AREAS WHERE SOIL IS EXPOSED, PROMPT REPLANTING WITH NATIVE COMPATIBLE, DROUGHT-RESISTANT VEGETATION SHALL BE PERFORMED. NO AREAS WILL BE LEFT EXPOSED OVER THE WINTER SEASON.
7. THE CONTRACTOR SHALL INSTALL THE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE.
8. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEPT AT THE END OF EACH WORKING DAY OR MORE OFTEN AS NECESSARY.
9. CONTRACTOR SHALL PLACE GRAVEL/SAND BAGS AROUND ALL NEW DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE GRAVEL/SAND BAGS SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
10. CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:
    - A. SOLID WASTE MANAGEMENT:
      PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.
    - B. MATERIAL DELIVERY AND STORAGE:
      PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA WEEKLY.
    - C. CONCRETE WASTE:
      PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. CONCRETE WASHOUT CANNOT BE WITHIN 50' MINIMUM OF DRAIN INLETS. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.
    - D. PAINT AND PAINTING SUPPLIES:
      PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE WEEKLY FOR EVIDENCE OF IMPROPER DISPOSAL.
    - E. VEHICLE FUELING, MAINTENANCE AND CLEANING:
      PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ONSITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA WEEKLY.
    - F. HAZARDOUS WASTE MANAGEMENT:
      PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZERS, STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.
11. CONTRACTOR SHALL HYDROSEED ALL GRADED SLOPES. NATIVE SEED MIX SHALL BE 20% LANA PUBESCENT WHEAT GRASS, 40% BLANDO BROME, AND 40% ANNUAL RYE GRASS AND SHALL BE APPLIED AT A RATE OF 200 POUNDS PER ACRE. SOIL BINDING AGENT SHALL BE VERDYOL, SENTINEL, OR EQUAL, APPLIED AT A RATE OF 110 POUNDS PER ACRE. MULCH SHALL BE SILVER-FIBER, CONWED, OR EQUAL, APPLIED AT A RATE OF 1,000 POUNDS PER ACRE. FERTILIZER SHALL BE AGRI-FORM 16-7-12, BEST 16-6-8, OR EQUAL, APPLIED AT A RATE OF 500 POUNDS PER ACRE. THE CONTRACTOR SHALL WATER SEEDED AREAS OR RESEED AS NECESSARY TO ENSURE SUFFICIENT PLANT DEVELOPMENT FOR EROSION CONTROL.
12. NO GRADING SHALL BE DONE UNTIL SITE- AND SEASON-SPECIFIC SOIL LOSS AND HOUSEKEEPING STORMWATER BMPs HAVE BEEN APPROVED BY THE INSPECTOR. THE CONTRACTOR SHOULD EMPLOY THE DESIGN BMPs AND ANY OTHERS NEEDED AS SITUATIONS ARISE. CONTRACTOR SHOULD CONDUCT SITE INSPECTIONS BEFORE, DURING AND AFTER EACH EXTENDED STORM EVENT TO IDENTIFY CONDITIONS THAT MAY CONTRIBUTE TO EROSION AND SEDIMENT PROBLEMS OR ANY OTHER POLLUTANT DISCHARGES. IF ADDITIONAL CONTROL MEASURES ARE NEEDED, CONTRACTOR SHOULD IMPLEMENT THEM IMMEDIATELY.

POLLUTION PREVENTION NOTES

IN ORDER TO MEET THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PROGRAM FOR CONSTRUCTION, CONSTRUCTION CONTRACTORS SHALL INSTALL AND MAINTAIN APPROPRIATE BEST MANAGEMENT PRACTICES (BMPS), AS SHOWN IN THE EROSION CONTROL PLAN AND IN ACCORDANCE WITH THE SWPPP (STORM WATER POLLUTION PREVENTION PLAN), ON ALL CONSTRUCTION PROJECTS. BMPS SHALL BE INSTALLED IN ACCORDANCE WITH INDUSTRY RECOMMENDED STANDARDS, AND/OR IN ACCORDANCE WITH ANY GENERAL CONSTRUCTION PERMIT ISSUED BY THE STATE FOR THE PROJECT TO PREVENT ANY DISCHARGES FROM THE PROJECT SITE OR INTO ANY STORM DRAIN FACILITIES. ALL SEDIMENTS, CONSTRUCTION MATERIALS, DEBRIS AND WASTES, AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, WIND, OR VEHICLE TRACKING. UNDER DIRECTION OF THE ENGINEER OF RECORD, EROSION AND/OR SEDIMENT CONTROL DEVICES SHALL BE MODIFIED AS NEEDED AS THE PROJECT PROGRESSES TO ENSURE EFFECTIVENESS.

BMP MAINTENANCE NOTES

1. FOLLOWING OWNER ACCEPTANCE OF CONSTRUCTION WORK, POST CONSTRUCTION BEST MANAGEMENT PRACTICE (BMP) MEASURES SHALL BE MAINTAINED BY THE PROPERTY OWNER, INCLUDING BUT NOT LIMITED TO:
    - 1.1. ANNUAL INSPECTION, REPLACEMENT, AND/OR SEDIMENTATION REMOVAL OF VEGETATED SWALES, TREATMENT PONDS, AND OTHER SURFACE STORMWATER TREATMENT MEASURES AS REQUIRED WITH AN INCREASED FREQUENCY BASED ON SITE CONDITIONS.
    - 1.2. MAINTENANCE SERVICE AGREEMENT(S) OF STORMWATER TREATMENT VAULTS, INLETS, MANHOLES, AND OTHER DEVICES BASED ON MANUFACTURES' RECOMMENDATIONS AND FREQUENCY.
    - 1.3. ANNUAL INSPECTION OF PERMEABLE PAVEMENT AND REMOVAL OF SEDIMENT AS NEEDED.
    - 1.4. ANNUAL INSPECTION OF STORMWATER INLETS AND MAINTENANCE AS REQUIRED TO CLEAR GRATES AND INLETS OF DEBRIS.
    - 1.5. THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND WATER QUALITY MANAGEMENT PLAN (WQMP) MAY CONTAIN ADDITIONAL OR MORE STRINGENT MAINTENANCE REQUIREMENTS.
2. BMP DETAILS MAY BE FOUND IN APPENDIX H OF THE PROJECT SWPPP DOCUMENT. BMP DETAILS PER CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) AND ARE AVAILABLE AT www.casqa.org.
3. FOR PROJECTS GREATER THAN 1 ACRE: THE CONTRACTOR SHALL VERIFY THE STATUS OF THE SWPPP/NOI/WDID PRIOR TO EARTHMOVING ACTIVITIES. A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE PREPARED AND A NOTICE OF INTENT (NOI) SHALL BE FILED WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) IN ACCORDANCE WITH THE REQUIREMENTS OF CALIFORNIA GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (PERMIT NO. CAS000002) FOR ALL OPERATIONS ASSOCIATED WITH THESE PLANS. THE CONTRACTOR SHALL KEEP A COPY OF THE SWPPP ON SITE AND AVAILABLE FOR REVIEW.

AREA SUMMARY

TOTAL DISTURBED AREA = 2.67± ACRES

DEMOLITION NOTES

1. THE INTENT OF THE DEMOLITION PLAN IS TO DESCRIBE IN GENERAL THE DEMOLITION AREAS AFFECTED BY THE PROJECT CONSTRUCTION. IT IS NOT INTENDED AS A DETAILED DESCRIPTION OF EXISTING ITEMS OR ELEMENTS TO BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE AND REVIEW ANY AVAILABLE RECORD DOCUMENTS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND SHOULD INCLUDE THE REMOVAL OF ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE BINDING AS IF REQUIRED BY ALL TO THE EXTENT THAT IT IS REASONABLY INFERABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INTENDED RESULTS.
2. REMOVE EXISTING BUILDINGS, FOUNDATIONS AND SERVICE UTILITIES AS INDICATED ON PLANS. CAP ALL UTILITIES AT APPROPRIATE POINTS. ALL EXISTING ELECTRICAL / TELEPHONE / CATV UTILITIES SHALL BE REMOVED AS INDICATED OR BACK TO THE POINT WHERE THE SPECIFIC UTILITY SYSTEM ENTERS THE WORK AREA. COORDINATE DEMOLITION OF ALL UTILITIES WITH THE OWNER. ALL UTILITIES CONNECTED TO EXISTING BUILDINGS TO REMAIN SHALL CONTINUE TO BE OPERATIONAL DURING THE DEMOLITION PROCESS. DOMESTIC AND FIRE SERVICE WATER AND NATURAL GAS SHALL BE REMOVED TO A POINT OUTSIDE THE PERIMETER OF PROPOSED NEW CONSTRUCTION TO EXISTING VALVES OR SIMILAR SHUT-OFF DEVICES. IF A SHUT-OFF DEVICE IS NOT REASONABLY ADJACENT TO THE PERIMETER OF THE PROPOSED NEW CONSTRUCTION, PROVIDE A SHUT-OFF DEVICE IN BELOW-GRADE YARD BOX. CONFIRM LOCATION OF NEW DEVICES WITH OWNER PRIOR TO INSTALLATION. SANITARY SEWER AND STORM DRAINAGE SHALL BE CAPPED TO A POINT OUTSIDE THE PERIMETER OF THE PROPOSED NEW CONSTRUCTION. OTHER UTILITIES NOT SPECIFICALLY IDENTIFIED IN THESE DOCUMENTS AND NOT ANTICIPATED FOR REUSE SHALL BE REMOVED IN ENTIRETY.
3. FOR ALL EXISTING MATERIALS THAT CAN BE SALVAGED, OWNER HAS FIRST RIGHT OF REFUSAL FOR REMOVED ITEMS THAT MAY HAVE RESIDUAL COMMERCIAL OR HISTORIC VALUE INCLUDING HARDWARE, GLASS, CORNER STONES, TIME CAPSULES, LIGHT STANDARDS, SIGNS, FENCING, BENCHES, WATER FOUNTAINS, TRASH CONTAINERS, ETC. SHALL REMAIN AS PROPERTY OF THE OWNER. ALL ITEMS TO BE SALVAGED FOR REUSE/REINSTALLATION MUST MEET CURRENT CODE REQUIREMENTS. COORDINATE ITEMS TO BE RETAINED WITH OWNER AND REMOVE FROM CONSTRUCTION SITE TO A LOCATION APPROVED BY OWNER. REMOVED MATERIALS, NOT INDICATED OR DIRECTED TO BE SALVAGED FOR THE OWNER'S BENEFIT ARE DEBRIS AND BECOME THE CONTRACTOR'S PROPERTY UPON REMOVAL.
4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY SEARCH OF THE AVAILABLE RECORDS AND FIELD SURVEYS. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT, UTILITY COMPANIES, AND/OR FIELD VERIFY AND LOCATE ALL UTILITIES BEFORE PROCEEDING WITH WORK. THE CONTRACTOR IS ALSO REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. NOTIFY THE ENGINEER IF ADDITIONAL UTILITIES ARE LOCATED OR IF CONFLICTS ARE FOUND WITH EXISTING CONDITIONS.
5. ALL TREES TO BE REMOVED SHALL BE MARKED BY CONTRACTOR AND APPROVED FOR REMOVAL BY THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO REMOVING OR CUTTING TREE(S). EXISTING ROOTS SHALL BE GRINDED TO A DEPTH OF APPROXIMATELY 3-FEET. USE CAUTION WHILE GRINDING WHEN EXISTING UTILITIES ARE IN CLOSE PROXIMITY TO TREES. ALL TREES TO REMAIN WITHIN THE LIMIT OF WORK SHALL BE PROTECTED AND MAINTAINED PER SPECIFICATIONS AND DETAILS.
6. SAWCUT EXISTING CONCRETE AND ASPHALT TO AN EXISTING CONTROL JOINT WHERE POSSIBLE, AT MINIMUM TO A NEAT-STRAIGHT LINE. ALL DEBRIS SHALL BE HAULED OFFSITE TO A LEGAL DUMPING SITE OR SALVAGED FOR REUSE ON PROJECT AS NOTED.
7. WORK WITHIN CITY, COUNTY, OR STATE RIGHT-OF-WAY REQUIRES A SEPARATE ENCROACHMENT PERMIT WHICH THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING PRIOR TO STARTING WORK WITHIN RIGHT-OF-WAY.
8. CONTRACTOR TO COORDINATE UTILITY DEMOLITION WITH DRAINAGE AND UTILITY WORK SHOWN IN THIS PLAN SET. ALL UTILITY SHUTDOWNS SHALL BE COORDINATED PER PROJECT SPECIFICATIONS.
9. EXISTING DRY UTILITIES SHOWN FOR DEMOLITION ARE SHOWN FOR COORDINATION ONLY. REFER TO OTHER DISCIPLINES FOR LIMITS AND DETAILS OF DEMOLITION.
10. THE CONTRACTOR SHALL RECYCLE CONSTRUCTION DEBRIS, ASPHALT, AND CONCRETE GENERATED FROM REMOVALS REQUIRED TO CONSTRUCT THE PROJECT. THE CONTRACTOR IS OBLIGATED, UNDER THIS CONTRACT, TO RECYCLE THE WASTE MATERIAL THROUGH AN APPROVED RECYCLING PLANT.
11. A LIST OF FACILITIES THAT ACCEPT CONSTRUCTION & DEMOLITION DEBRIS CAN BE FOUND ON THE CALRECYCLE WEBSITE AT: HTTPS://WWW.CALRECYCLE.CA.GOV/CONDEMO
12. CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING BUILDING FINISHES DURING DEMOLITION. ANY FINISH THAT IS DAMAGED DURING DEMOLITION SHALL BE REPAIRED OR REPLACED IN-KIND OR BETTER.

GENERAL NOTES TO CONTRACTOR

1. THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY OWNERS FOR LOCATION, REMOVAL, AND/OR RELOCATION OF ANY UTILITY SERVICES AFFECTED BY CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONARY MEASURES TO PROTECT UNDERGROUND OR OVERHEAD STRUCTURES WHETHER OR NOT THEY ARE SHOWN ON THESE DRAWINGS.
2. THE CONTRACTOR SHALL NOTIFY THE PROJECT INSPECTOR AND THE RESPECTIVE UTILITY OWNERS AND OTHER AGENCIES AT LEAST TWO WORKING DAYS PRIOR TO START OF CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING, VERIFYING LOCATIONS (BOTH HORIZONTAL AND VERTICAL), AND MAINTAINING ALL EXISTING UNDERGROUND UTILITIES, BOTH SHOWN ON THE PLANS AND/OR NOT SHOWN ON THE PLANS DURING CONSTRUCTION. REPAIR DAMAGED UTILITIES TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL LOCATE EXISTING UNDERGROUND UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS BECAUSE OF LOCATIONS OF EXISTING FACILITIES AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES AND/OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OR THE EXISTENCE, OR NON-EXISTENCE OF ANY UTILITY AND/OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE ALL DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OF RECORD AND/OR NOT OF RECORD SHOWN OR NOT SHOWN AND ANY OTHER LINE(S) OR STRUCTURE(S) NOT SHOWN ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF, AND/OR DAMAGE TO THESE LINE(S) AND/OR STRUCTURE(S).
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SHORING AT PROPOSED BUILDING FOUNDATIONS, FOOTINGS, AND WALLS TO PROTECT EXISTING UTILITIES IN PLACE.
6. UNAUTHORIZED CHANGES AND USES - CAUTION: 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.
7. THE CONTRACTOR SHALL MAINTAIN THE EXISTING ACCESSIBLE ROUTE CLEAR OR PROVIDE AN ALTERNATE ACCESSIBLE ROUTE OF TRAVEL DURING DEMOLITION AND/OR CONSTRUCTION.
8. THE CONTRACTOR SHALL MAINTAIN THE EXISTING FIRE EXITS AND STAIRS CLEAR AND USABLE OR PROVIDE ALTERNATE FIRE EXITS DURING DEMOLITION AND/OR CONSTRUCTION.

EARTHWORK NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE GRADING PLANS AND SOILS REPORT THOROUGHLY PRIOR TO SITE MOBILIZATION. IT IS ALSO THE GRADING CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CIVIL AND SOILS ENGINEERS IF ONSITE DISCREPANCIES ARE OBSERVED THAT WOULD AFFECT THE EARTHWORK QUANTITIES.
2. THE EXISTING TOPOGRAPHY AS DELINEATED ON THESE DRAWINGS SHALL BE UTILIZED AS THE BASIS FOR ALL EARTHWORK COMPUTATIONS. SAID TOPOGRAPHY SHALL BE PRESUMED TO BE ACCEPTABLE TO ALL INTERESTED PARTIES UNLESS A DEVIATION IS FOUND PRIOR TO THE START OF GRADING IN ANY SPECIFIC AREAS. ANY DEVIATION SO DETERMINED SHALL BE PROMPTLY TRANSMITTED TO ALL INTERESTED PARTIES.
3. THE CONTRACTOR IS REQUIRED TO ESTIMATE THE QUANTITIES OF GRADING WORK TO BE DONE AND INCLUDE ALL COSTS THEREFROM WITH HIS BID, AS NO ADDITIONAL ALLOWANCE WILL BE MADE WITHOUT PRIOR CONSENT FROM THE OWNER.
4. OVER-EXCAVATION AND/OR EXCESS BACKFILLING OR DUPLICATION OF GRADING ACTIVITIES IS NOT A BASIS FOR ADDITIONAL COMPENSATION. THIS ALSO APPLIES WHERE MATERIAL IS TO BE REMOVED AND REPLACED TO REDUCE MOISTURE CONTENT.
5. OFF-SITE DISPOSAL OF EXCAVATION MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE BID. THE CONTRACTOR SHALL HOLD THE OWNER AND ENGINEER HARMLESS AS A RESULT OF ANY CLAIMS ARISING FROM THE ACTIONS ENROUTE OR AWAY FROM THE SITE.
6. EARTH VOLUMES SHOWN HEREON ARE ESTIMATES BASED UPON THE GEOTECHNICAL ANALYSIS PERFORMED BY THE NAMED SOILS ENGINEER AND TOPOGRAPHIC SURVEY OF THE EXISTING GROUND SURFACE AT THE TIME OF PLAN PREPARATION. EARTHWORK VOLUMES ARE COMPUTED BY METHODS COMMONLY USED IN STANDARD ENGINEERING PRACTICE, AND ARE INTENDED FOR USE IN ESTABLISHING GOVERNING AGENCY FEES. ACTUAL FIELD CONDITIONS MAY VARY FROM OBSERVED OR MEASURED CONDITIONS AT THE TIME OF PLAN PREPARATION. EARTHWORK QUANTITIES MAY VARY AS A RESULT.
7. ANY EXPORT OR IMPORT REQUIRED TO BALANCE THE SITE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
8. PAVEMENT AND SUBGRADE RECOMMENDATIONS RELATED TO OVER-EXCAVATION, PAVEMENT SUBGRADE, ETC., PER GEOTECHNICAL REPORT.

GEOTECHNICAL INFORMATION

FOR SITE PREPARATION, OVEREXCAVATION, FOUNDATION RECOMMENDATIONS, PAVEMENT, SUBGRADE, AND GRADATION REQUIREMENTS SEE GEOTECHNICAL INVESTIGATION REPORT ENTITLED:

"GEOTECHNICAL AND GEOLOGICAL ENGINEERING INVESTIGATION REPORT"

PREPARED BY: KOURY ENGINEERING & TESTING, INC.
5711 SCHAEFER AVENUE
CHINO, CALIFORNIA 91710

PROJECT NO: 25-3846

DATED: JANUARY 22, 2026

EARTHWORK QUANTITIES

APPROXIMATE CUT:	2,000 CY
APPROXIMATE FILL:	900 CY

NOTE:
EARTHWORK QUANTITIES INDICATED ARE FOR REFERENCE ONLY (NOT FOR BID OR PAYMENT). THE CONTRACTOR IS RESPONSIBLE FOR ACTUAL QUANTITIES.

HAUL ROUTE TO BE DETERMINED AT PRE-GRADE MEETING AND ALL NECESSARY PERMITS SHALL BE OBTAINED BY THE GENERAL CONTRACTOR

BENCHMARK

ELEVATIONS ARE REFERENCED TO THE NAVD88 DATUM, DEFINED LOCALLY BY THE LOS ANGELES COUNTY BENCHMARK SYSTEM AND TIED TO THE FOLLOWING LA COUNTY BENCHMARKS:
HY9487, ELEVATION 1250.087 FEET
HY11825, ELEVATION 1204.284 FEET

DATUM STATEMENT

COORDINATES ARE REFERENCED TO THE CCS83, ZONE 5 GRID, NAD83(2011) CSRN EPOCH 2025.00, DEFINED LOCALLY BY THE CALIFORNIA SPATIAL REFERENCE SYSTEM.

BASIS OF BEARINGS

RECORD BOUNDARY SHOWN HEREON IS BASED ON RECORD MAPS (PARCEL MAP NO. 86-0404, P.M.B. 231/35-36, ORANGE COUNTY). THE BOUNDARY IS SUBJECT TO CHANGE IF AN ACTUAL BOUNDARY SURVEY IS PERFORMED. THE BOUNDARY IS FOR INFORMATIONAL PURPOSES ONLY. NO TITLE REPORT WAS PROVIDED BY CLIENT.

FIRE PROTECTION SYSTEM NOTES

1. PRIOR TO INSTALLATION, ALL PLANS AND SPECIFICATIONS SHALL BE APPROVED BY GOVERNING AGENCY.
2. INSPECTIONS ARE REQUIRED:
   1) PRIOR TO POURING THRUST BLOCKS
   2) FOR HYDROSTATIC TESTING
   3) FOR FLUSH
3. INSTALLATION, INSPECTION, AND TESTING SHALL CONFORM TO 2022 NFPA 13 AND 2019 NFPA 24.
4. PRIVATE FIRE HYDRANTS SHALL BE APPROVED WET BARREL STYLE WITH A MINIMUM OF ONE 2½" AND ONE 4" OUTLET. THE 4" OUTLET SHALL FACE THE FIRE DEPARTMENT ACCESS ROAD. ALL OUTLETS SHALL BE PROVIDED WITH NATIONAL STANDARD THREADS (NST).
5. FIRE HYDRANT SUPPLY PIPING SHALL BE A MINIMUM OF SIX INCHES IN DIAMETER. THE LOWEST OPERATING NUT SHALL BE MINIMUM OF 18" ABOVE GRADE AND THE FIRE HYDRANT FLANGE SHALL BE A MINIMUM OF 2" ABOVE GRADE.
6. FIRE HYDRANTS SHALL BE A MINIMUM OF 40 FEET FROM ALL STRUCTURES. A KEYED GATE VALVE SHALL BE PROVIDED FOR EACH FIRE HYDRANT IN AN ACCESSIBLE LOCATION. VALVES SHALL NOT BE LOCATED IN PARKING STALLS.
7. ALL PIPES SHALL BE APPROVED FOR USE IN FIRE SERVICE SYSTEMS (CLASS 900 DR-18 MINIMUM). CLASS 900 DR-14 PIPES SHALL BE USED WHERE THE PRESSURES MAY EXCEED 150 PSI.
8. ALL FERROUS PIPE AND FITTINGS SHALL BE PROTECTED WITH LOOSE 8-MIL POLYETHYLENE TUBE. THE ENDS OF THE TUBE AND ANY SPLICES MADE FOR T's OR OTHER PIPING COMPONENTS SHALL BE SEALED WITH 2" TAPE, APPROVED FOR UNDERGROUND USE. ALL BOLT JOINTS SHALL BE CLEANED AND THOROUGHLY COATED WITH ASPHALT OR OTHER CORROSION RETARDING MATERIAL AFTER ASSEMBLY AND PRIOR TO POLY-TUBE INSTALLATION.
9. A BED OF CLEAN FILL SAND SHALL BE PROVIDED ABOVE AND BELOW THE PIPE, A MINIMUM OF 12" ABOVE AND 6" BELOW.
10. ALL BOLTS USED FOR UNDERGROUND CONNECTIONS SHALL BE STAINLESS STEEL.
11. A MINIMUM OF 30" OF COVER, FROM FINISHED GRADE TO THE TOP OF THE PIPE SHALL BE PROVIDED. WHEN SURFACE LOADS ARE EXPECTED, A MINIMUM OF 36" COVER SHALL BE PROVIDED.
12. THRUST BLOCKS, OR OTHER APPROVED METHOD OF THRUST RESTRAINT, SHALL BE PROVIDED WHEREVER PIPE CHANGES DIRECTION.
13. THE TRENCH SHALL BE EXCAVATED FOR THRUST BLOCKS AND INSPECTED PRIOR TO POUR. ALL CORROSION PROTECTION SHALL BE IN PLACE.
14. A HYDROSTATIC TEST (200 PSI FOR TWO HOURS OR 50 PSI OVER MAXIMUM STATIC PRESSURE, WHICHEVER IS GREATER) SHALL BE PERFORMED. BACKFILL BETWEEN THE JOINTS TO PREVENT MOVEMENT OF THE PIPE.
15. THE SYSTEM SHALL BE THOROUGHLY FLUSHED BEFORE CONNECTION IS MADE TO OVERHEAD PIPING. FLOW SHALL BE THROUGH A MINIMUM 4" HOSE PIPE.
16. PRIVATE HYDRANTS, SPRINKLER CONTROL VALVES, DETECTOR CHECK ASSEMBLIES, POST INDICATING VALVES AND FIRE DEPARTMENT CONNECTIONS SHALL BE PAINTED OSHA RED, UNLESS NOTED OTHERWISE.
17. THE CONTROL VALVES SHALL BE LOCKED IN THE OPEN POSITION. VALVES SHALL BE MONITORED IF THEY SERVE 6 OR MORE SPRINKLER HEADS.

FIRE WATER GENERAL NOTES:

1. FIRE WATER PIPE, FITTINGS, AND APPURTENANCES SHALL COMPLY WITH NFPA 24 INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
    - 1.1. FIRE DEPARTMENT CONNECTIONS (FDC) SHALL BE PER NFPA 24-5.9.
    - 1.2. FDC LOCATION AND SIGNAGE SHALL BE PER NFPA 24-5.9.5.

IMPORTANT NOTICE

1. ALL ASBESTOS CEMENT PIPE TO BE REMOVED SHALL BE SNAPPED, ENCAPSULATED, AND DISPOSED OF PER LOCAL, STATE, AND FEDERAL REGULATIONS.
2. DOMESTIC WATER SERVICE AND FIRE PROTECTION SHALL BE MAINTAINED DURING CONSTRUCTION. PROVIDE BYPASS LINES DURING CONSTRUCTION INCLUDING TIE-IN. COORDINATE ALL SHUT DOWNS OF WATER AND POWER WITH OWNER PRIOR TO CONSTRUCTION.
3. PURSUANT TO CALIFORNIA ASSEMBLY BILL 1953 ALL PIPE, FITTINGS, AND FIXTURES INTENDED TO CONVEY OR DISPENSE WATER FOR HUMAN CONSUMPTION THROUGH DRINKING WATER OR COOKING SHALL BE "LEAD FREE" AS OF JANUARY 1, 2010.

DEDICATED FIRE ACCESS

PORTIONS OF DEMOLITION MAY REQUIRE BLOCKING AND/OR OBSTRUCTING THROUGH ACCESS TO EMERGENCY / FIRE ACCESS VEHICLES. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A FIRE WATCH SPECIALIST SERVICE FOR THE DURATION OF TIME THAT EMERGENCY / FIRE ACCESS VEHICLES ARE BLOCKED AND/OR OBSTRUCTED DURING CONSTRUCTION UNLESS EQUIVALENT ALTERNATE MEASURES ARE TAKEN TO ENSURE CONTINUOUS ACCESS TO EMERGENCY / FIRE ACCESS VEHICLES. CONTRACTOR TO COORDINATE THROUGH ACCESS TO EMERGENCY / FIRE ACCESS VEHICLES WITH THE LOCAL FIRE AUTHORITY HAVING JURISDICTION.

VICINITY MAP

NTS

LOCATION MAP

NTS

CIVIL SHEET INDEX

C0.01	CIVIL NOTES
C0.02	EXISTING CONDITIONS
C1.01	DEMOLITION PLAN
C2.01	GRADING PLAN
C2.02	GRADING PLAN
C2.03	GRADING PLAN
C2.04	GRADING PLAN
C3.01	STORM DRAIN & UTILITY PLAN
C3.02	STORM DRAIN & UTILITY ENLARGEMENTS
C5.01	HORIZONTAL CONTROL, PAVING, STRIPING AND SIGNAGE PLAN
C6.01	EROSION CONTROL PLAN
C7.01	DETAILS
C7.02	DETAILS

DIG ALERT NOTICE

PURSUANT TO THE CALIFORNIA GOVERNMENT CODE SECTION 4216, NO EXCAVATION PERMIT IS VALID UNLESS DIG ALERT HAS BEEN CONTACTED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF EXCAVATION AND AN INQUIRY IDENTIFICATION NUMBER HAS BEEN ISSUED.

INQUIRY ID# ____________

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

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DATE: 03/18/2026

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Kathereen M. Shinkai

ALTADENA ARTS MAGNET SCHOOL

743 E Calaveras ST.
Altadena, CA 91001

Developed for
PUSD

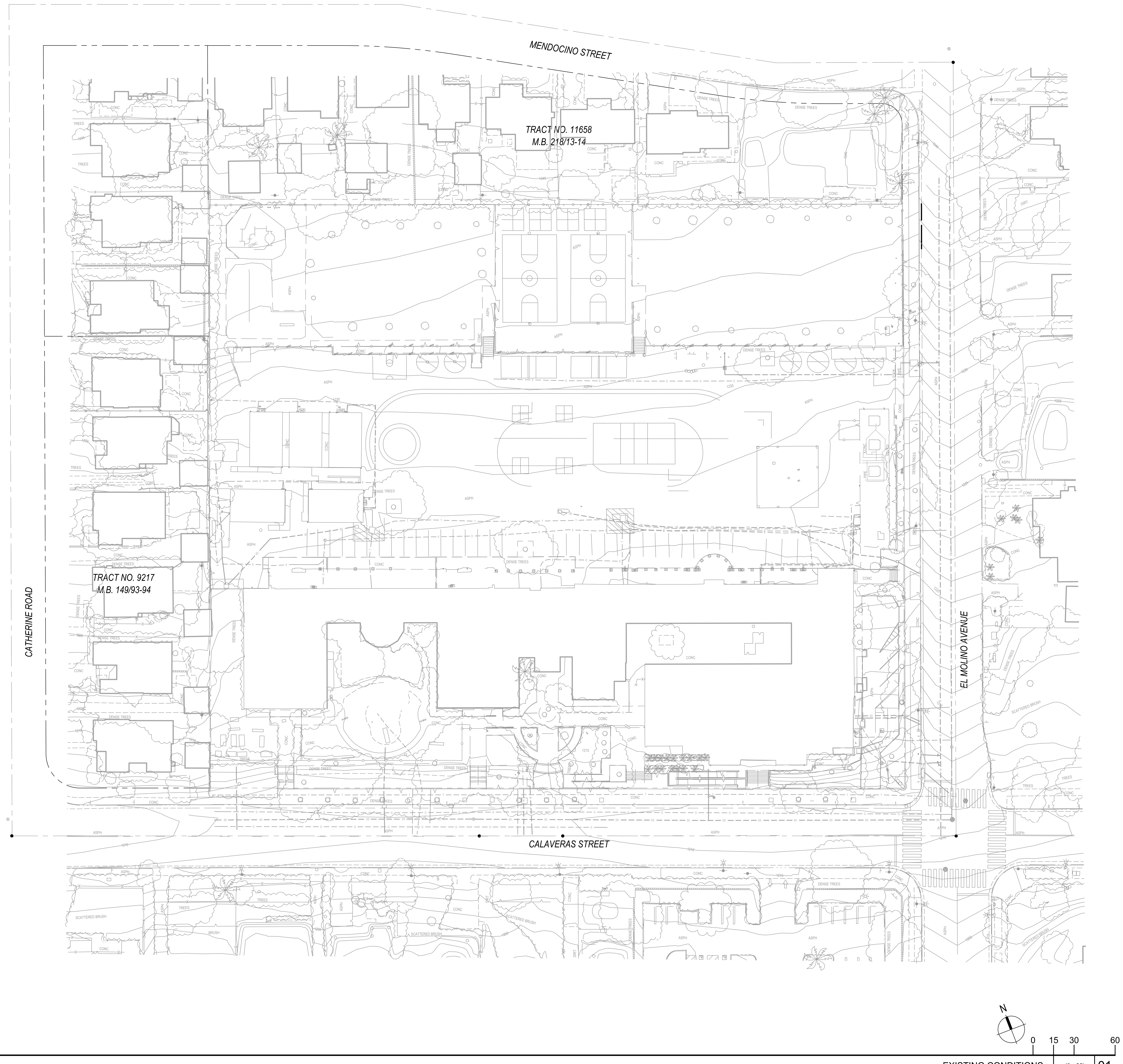
Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/08/2025
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

Job Number	33366
Checked By	KS
Scale	1' = 20'

CIVIL NOTES

C0.01



EXISTING CONDITIONS 1" = 30' 01

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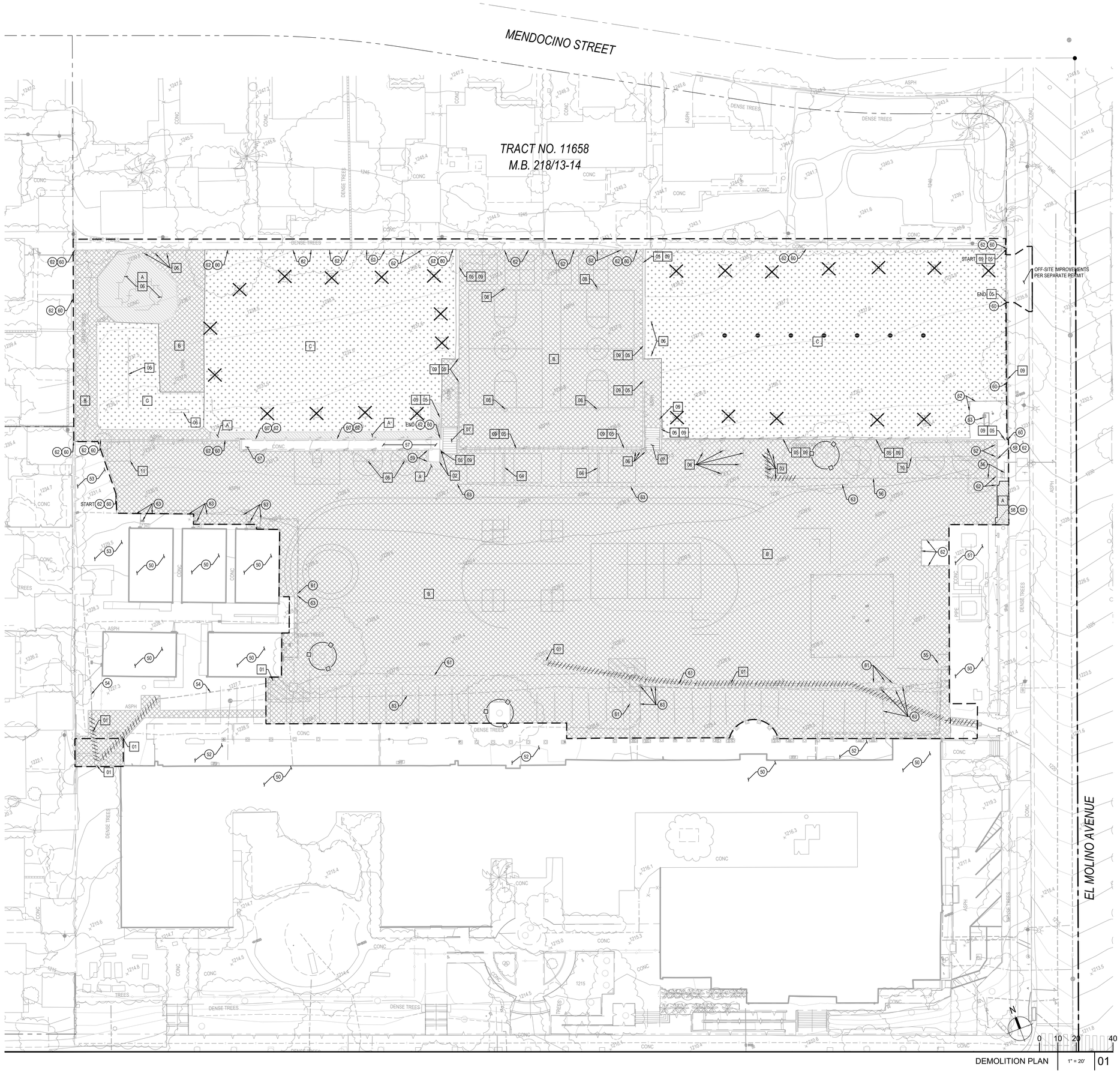
Scale	AS NOTED

EXISTING
CONDITIONS

C0.02



DEMOLITION PLAN | 1" = 20' | 01

DEMOLITION NOTES

-SEE DEMOLITION NOTES, SHEET C0.01.

DEMOLITION LEGEND

LABEL	DESCRIPTION
A	REMOVE (E) CONCRETE PAVEMENT/SIDEWALK, SEE DEMOLITION NOTE 10 SHEET C0.01.
B	REMOVE (E) AC PAVEMENT, SEE DEMOLITION NOTE 10 SHEET C0.01.
C	REMOVE (E) LANDSCAPING. SEE LANDSCAPE AND IRRIGATION PLANS FOR IMPROVEMENTS.
	REMOVE (E) TREE, SEE DEMOLITION NOTE 5 SHEET C0.01.
	(E) TREE TO REMAIN AND BE PROTECTED, SEE DEMOLITION NOTE 5 SHEET C0.01.
	SAWCUT (E) PAVEMENT AS NEEDED. SEE DEMOLITION NOTE 6 AND 10 SHEET C0.01.
	APPROXIMATE LIMIT OF WORK LINE.
	REMOVE (E) UTILITY, SEE DEMOLITION NOTES 2, 4, 8, AND 9 SHEET C0.01.

DEMOLITION KEYNOTES

KEY NOTE	DESCRIPTION
01	REMOVE (E) STORM DRAIN PIPE AND APPURTENANCES. SEE UTILITY PLAN FOR IMPROVEMENTS.
02	REMOVE (E) CONCRETE CURB.
03	REMOVE AND RELOCATE (E) FIRE HYDRANT, VALVE, AND PROTECTION BOLLARD PER STORM DRAIN AND UTILITY PLAN.
04	REMOVE (E) HANDBALL WALL AND FOOTING.
05	REMOVE (E) RETAINING WALL AND FOOTING.
06	REMOVE (E) EQUIPMENT. SALVAGE AND RETURN TO THE OWNER.
07	REMOVE (E) CONCRETE STAIRS WITH HANDRAILS.
08	REMOVE (E) BASKETBALL POSTS AND FOOTINGS.
09	REMOVE (E) FENCE AND FOOTINGS, SEE LANDSCAPE PLANS FOR IMPROVEMENTS.
10	REMOVE (E) STORAGE CONTAINER. SALVAGE AND RELOCATE PER LANDSCAPE DRAWINGS.
11	REMOVE (E) SHED. SALVAGE AND RETURN TO THE OWNER.

PROTECTION KEYNOTES

KEY NOTE	DESCRIPTION
50	PROTECT (E) BUILDING, FOUNDATION AND OTHER STRUCTURAL FEATURES AND BUILDING UTILITIES.
51	PROTECT (E) UTILITY YARD AND ITS PERIMETER WALL, OTHER STRUCTURAL FEATURES AND UTILITIES.
52	PROTECT (E) CONCRETE PAVEMENT/SIDEWALK.
53	PROTECT (E) AC PAVEMENT.
54	PROTECT (E) STORM DRAIN FACILITIES. ADJUST UTILITY COVER TO NEW GRADES IF NECESSARY.
55	PROTECT (E) GAS FACILITIES. ADJUST UTILITY COVER TO NEW GRADES IF NECESSARY.
56	PROTECT (E) WATER SERVICE FACILITIES.
57	PROTECT (E) CONCRETE ACCESSIBLE RAMP AND GUARDRAILS.
58	PROTECT (E) CURB.
59	PROTECT (E) CURB AND GUTTER
60	PROTECT (E) RETAINING WALL.
61	PROTECT (E) TELEPHONE FACILITIES. ADJUST UTILITY COVER TO NEW GRADES IF NECESSARY.
62	PROTECT (E) FENCE/GATE AND POST.
63	PROTECT (E) ELECTRICAL FACILITIES. ADJUST UTILITY COVER TO NEW GRADES IF NECESSARY.

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DEMOLITION PLAN

C1.01

GRADING PLAN 1" = 10' 01

LEGEND

SYMBOL	DESCRIPTION
PA	PLANTING AREA SEE LANDSCAPE PLAN DETAILS FOR GRADES ADJACENT TO HARDSCAPE
▬ ▬ ▬ ▬	APPROXIMATE LIMIT OF WORK
— —GB— —	GRADE BREAK
– – – – – – –	SAWCUT (E) PAVEMENT AS NEEDED. SEE DEMOLITION PLAN
—— - - - ——>——	FLOWLINE
TOS	TOP OF SLOPE
TOE	TOE OF SLOPE

GRADING CONSTRUCTION NOTES

KEY NOTE	DESCRIPTION
01	CONSTRUCT VERTICAL CURB PER DETAIL 02 SHEET C7.01.
02	CONSTRUCT CURB AND GUTTER PER DETAIL 03 SHEET C7.01.
03	CONSTRUCT FLUSH CURB PER DETAIL 08 SHEET C7.01.
04	CONSTRUCT CURB OPENING PER DETAIL 15 SHEET C7.01.
06	CONSTRUCT VALLEY GUTTER PER DETAIL 04 SHEET C7.01.
07	CONSTRUCT ACCESSIBLE CURB RAMP PER DETAIL 17 SHEET C7.01.
09	JOIN EXISTING CURB AND/OR GUTTER AND MATCH GRADE.
10	JOIN EXISTING SIDEWALK AND MATCH EXISTING GRADE.
11	ADJUST EXISTING UTILITY RIM AND RISER TO FINISHED GRADE.
12	COLD MILL EDGES TO JOIN EXISTING ASPHALT PAVEMENT AND MATCH GRADE.
13	ADJUST EXISTING MANHOLE RIM TO FINISHED GRADE. MANHOLE CONE TO BE RAISED IF GRADE RINGS EXCEED ALLOWABLE HEIGHT FOR LADDER ACCESS.
14	CONSTRUCT CONCRETE RETAINING WALL PER LANDSCAPE DETAIL 01 SHEET L5.02.
15	CONSTRUCT CONCRETE CHEEK WALL AT STAIRS PER LANDSCAPE DETAIL 09 SHEET L5.02.

GRADING NOTES

1. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM THE EXISTING RETAINING WALL. DO NOT BURY, BLOCK, OR OBSTRUCT EXISTING WEEP HOLES. FINAL GRADE SHALL BE ESTABLISHED AT A MINIMUM OF 2 INCHES BELOW THE LOWEST WEEP HOLE OPENING.

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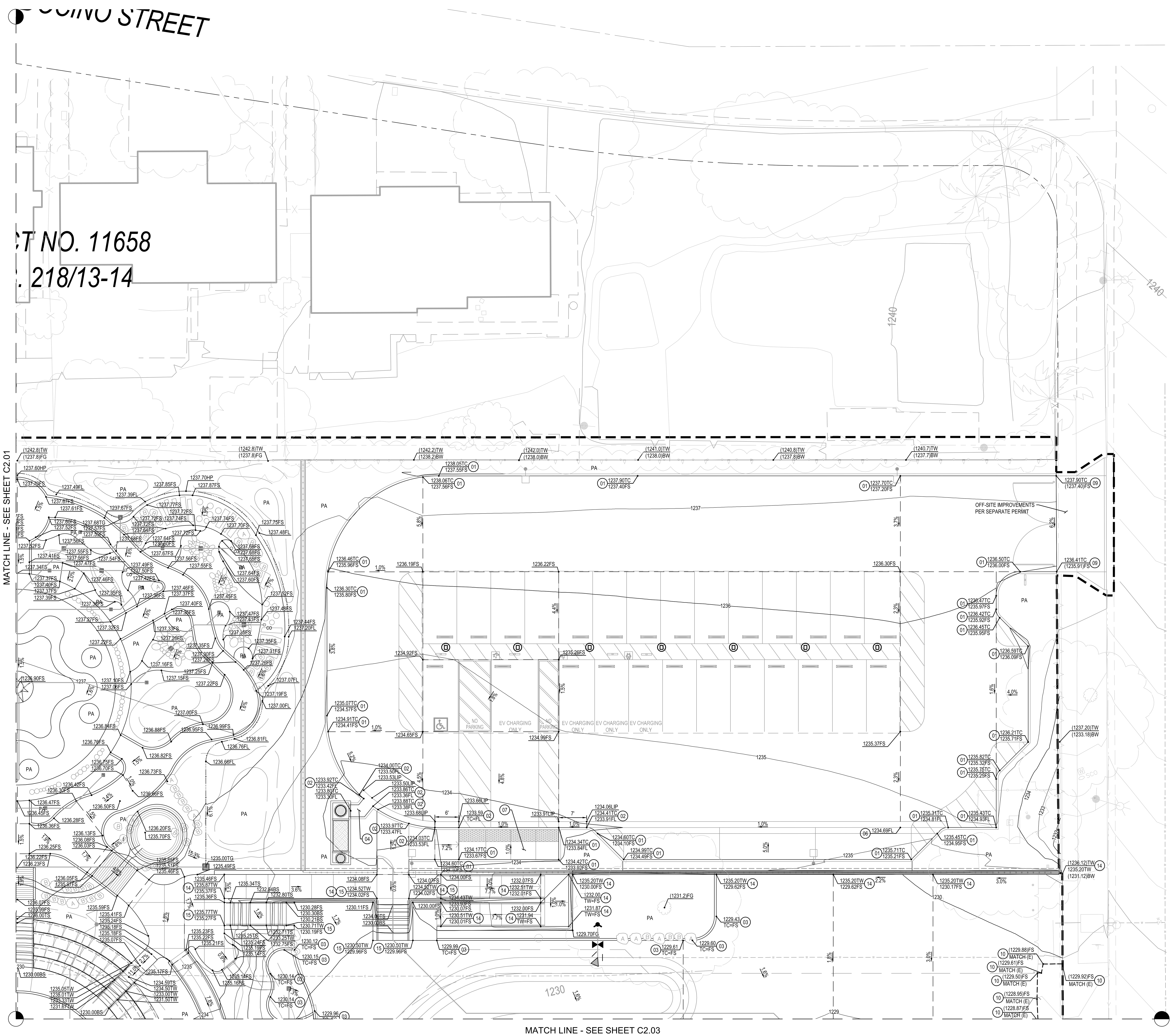
GRADING PLAN

C2.01



GRADING PLAN | 1" = 10' | 01

0 5 10 20

N

LEGEND

SYMBOL	DESCRIPTION
PA	PLANTING AREA SEE LANDSCAPE PLAN DETAILS FOR GRADES ADJACENT TO HARDSCAPE
	APPROXIMATE LIMIT OF WORK
GB	GRADE BREAK
	SAWCUT (E) PAVEMENT AS NEEDED. SEE DEMOLITION PLAN
	FLOWLINE
TOS	TOP OF SLOPE
TOE	TOE OF SLOPE

GRADING CONSTRUCTION NOTES

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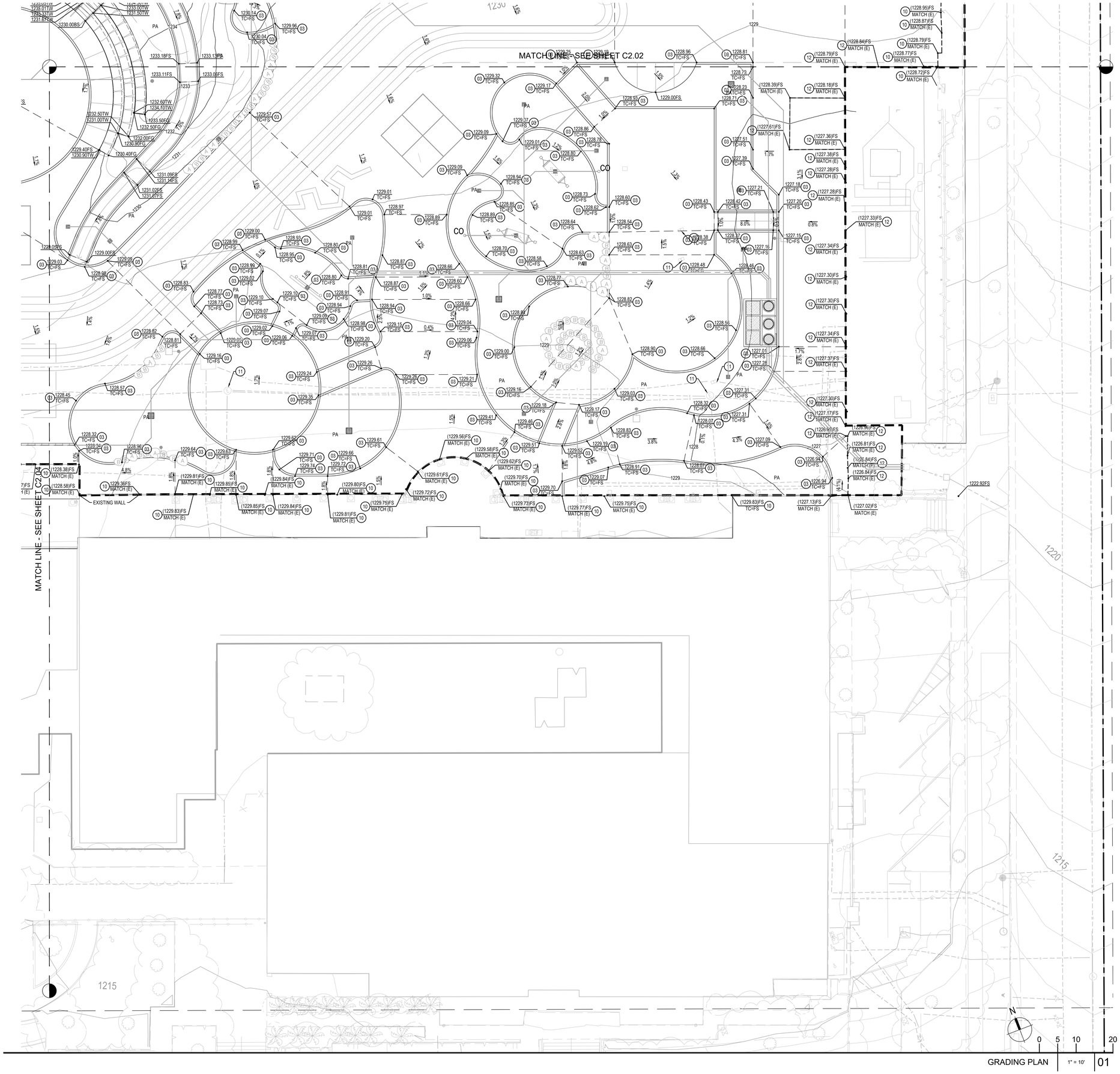
GRADING PLAN

C2.02



LEGEND

SYMBOL	DESCRIPTION
PA	PLANTING AREA SEE LANDSCAPE PLAN DETAILS FOR GRADES ADJACENT TO HARDSCAPE
	APPROXIMATE LIMIT OF WORK
GB	GRADE BREAK
	SAWCUT (E) PAVEMENT AS NEEDED. SEE DEMOLITION PLAN
	FLOWLINE
TOS	TOP OF SLOPE
TOE	TOE OF SLOPE

GRADING CONSTRUCTION NOTES

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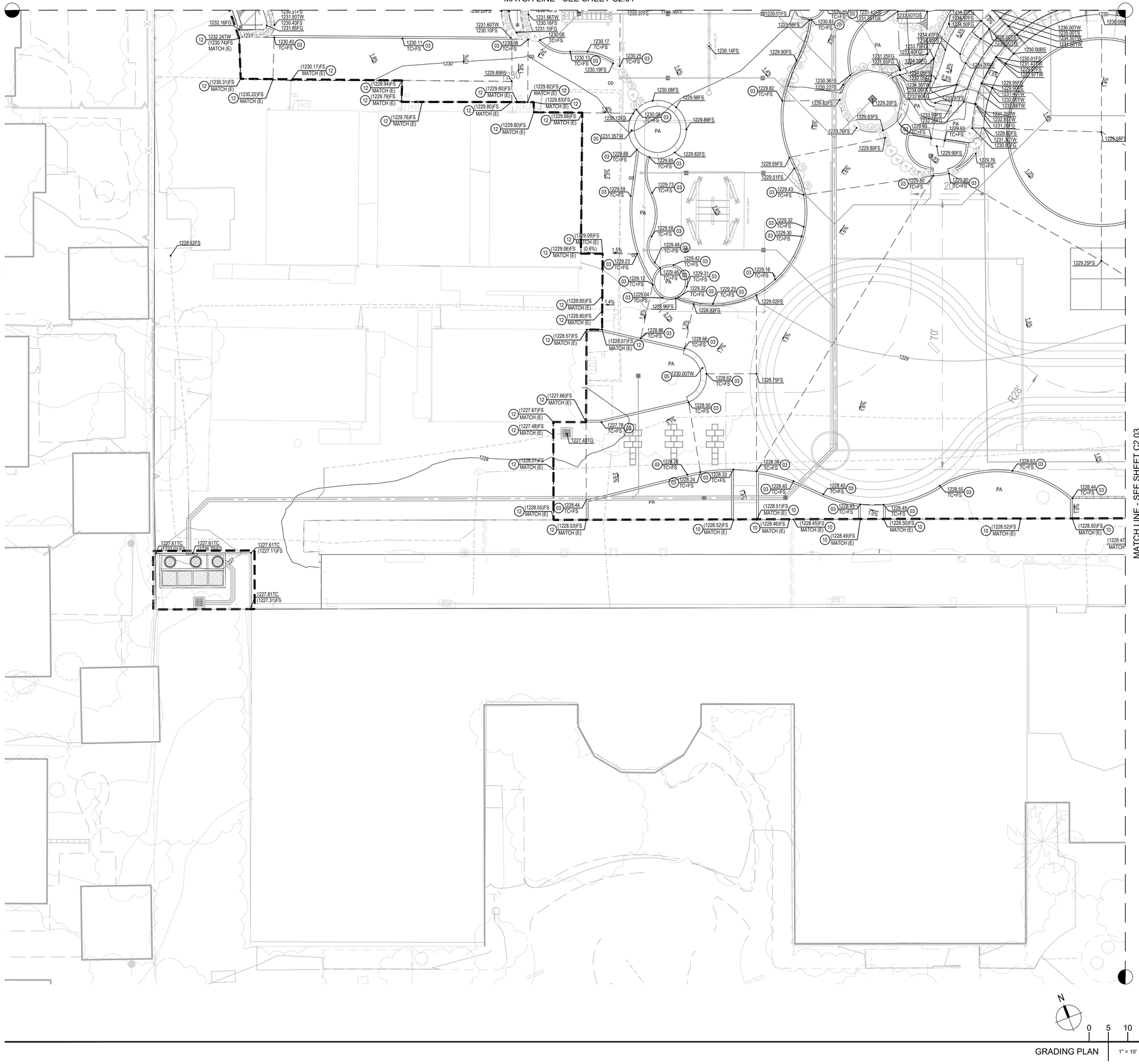
GRADING PLAN

C2.03

MATCH LINE - SEE SHEET C2.01



MATCH LINE - SEE SHEET C2.03

N

0 5 10 20

GRADING PLAN 1" = 10' 01

LEGEND

SYMBOL	DESCRIPTION
PA	PLANTING AREA SEE LANDSCAPE PLAN DETAILS FOR GRADES ADJACENT TO HARDSCAPE
	APPROXIMATE LIMIT OF WORK
GB	GRADE BREAK
	SAWCUT (E) PAVEMENT AS NEEDED. SEE DEMOLITION PLAN
	FLOWLINE
TOS	TOP OF SLOPE
TOE	TOE OF SLOPE

GRADING CONSTRUCTION NOTES

KEY NOTE	DESCRIPTION
01	CONSTRUCT VERTICAL CURB PER DETAIL 02 SHEET C7.01.
02	CONSTRUCT CURB AND GUTTER PER DETAIL 03 SHEET C7.01.
03	CONSTRUCT FLUSH CURB PER DETAIL 08 SHEET C7.01.
04	CONSTRUCT CURB OPENING PER DETAIL 15 SHEET C7.01.
06	CONSTRUCT VALLEY GUTTER PER DETAIL 04 SHEET C7.01.
07	CONSTRUCT ACCESSIBLE CURB RAMP PER DETAIL 17 SHEET C7.01.
09	JOIN EXISTING CURB AND/OR GUTTER AND MATCH GRADE.
10	JOIN EXISTING SIDEWALK AND MATCH EXISTING GRADE.
11	ADJUST EXISTING UTILITY RIM AND RISER TO FINISHED GRADE.
12	COLD MILL EDGES TO JOIN EXISTING ASPHALT PAVEMENT AND MATCH GRADE.
13	ADJUST EXISTING MANHOLE RIM TO FINISHED GRADE. MANHOLE CONE TO BE RAISED IF GRADE RINGS EXCEED ALLOWABLE HEIGHT FOR LADDER ACCESS.
14	CONSTRUCT CONCRETE RETAINING WALL PER LANDSCAPE DETAIL 01 SHEET L5.02.
15	CONSTRUCT CONCRETE CHEEK WALL AT STAIRS PER LANDSCAPE DETAIL 09 SHEET L5.02.

GRADING NOTES

1. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM THE EXISTING RETAINING WALL. DO NOT BURY, BLOCK, OR OBSTRUCT EXISTING WEEP HOLES. FINAL GRADE SHALL BE ESTABLISHED AT A MINIMUM OF 2 INCHES BELOW THE LOWEST WEEP HOLE OPENING.

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Job Number	33366
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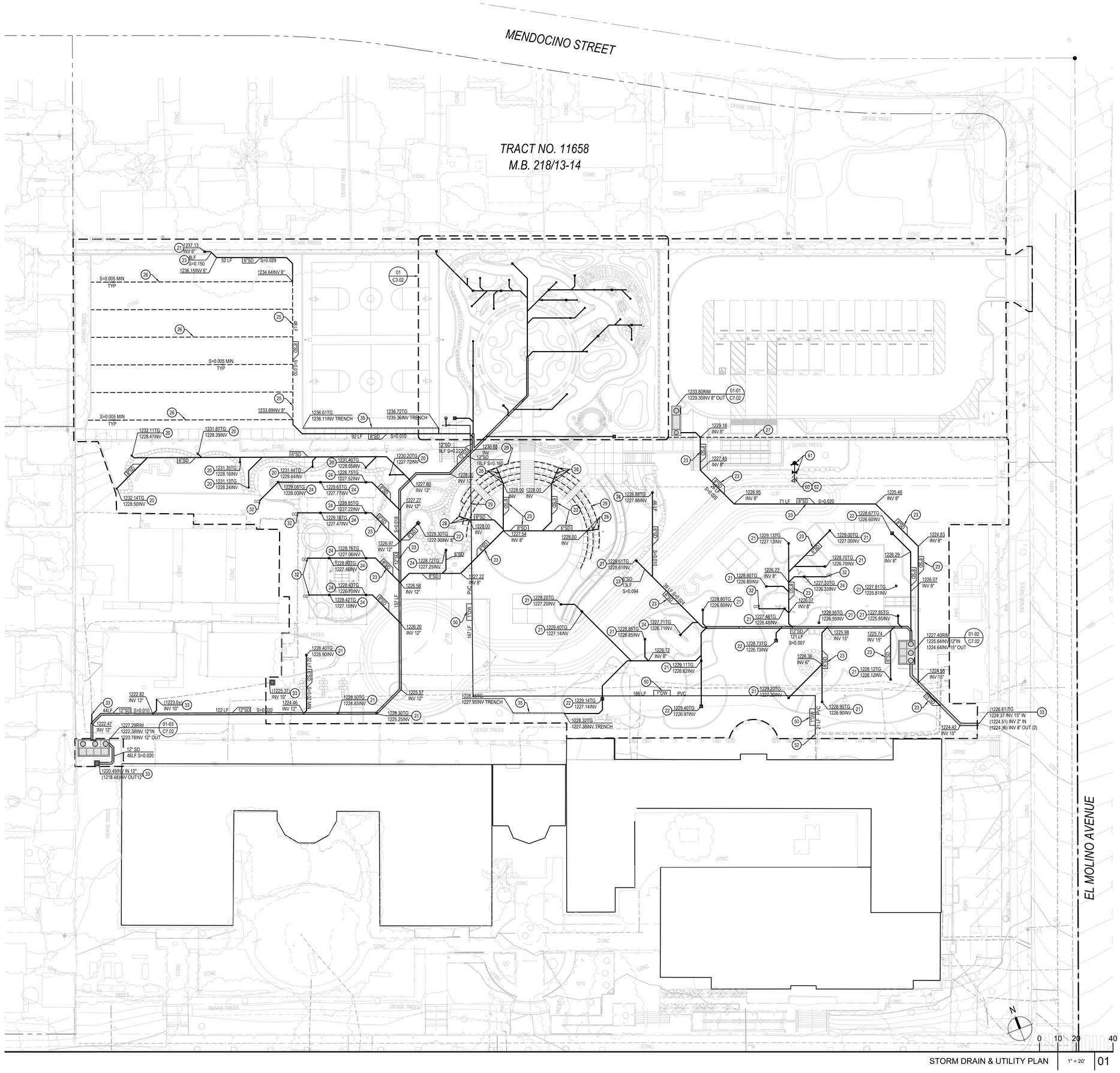
Scale	1" = 20'

GRADING PLAN

C2.04



STORM DRAIN CONSTRUCTION NOTES

KEY NOTE	DESCRIPTION
20	SUPPLY AND INSTALL 9" x 9" ATRIUM GRATE PER DETAIL 13 SHEET C7.01.
21	SUPPLY AND INSTALL 12"X12" ATRIUM DRAIN PER DETAIL 13 SHEET C7.01.
22	SUPPLY AND INSTALL 18" X 18" ATRIUM DRAIN PER DETAIL 13 SHEET C7.01.
23	SUPPLY AND INSTALL PVC STORM DRAIN WITH SLOPE PER PLAN (S=0.005 MINIMUM, U.N.O). PIPE SIZE PER PLAN.
24	SUPPLY AND INSTALL 12" NDS AREA DRAIN AT SUBGRADE PER DETAIL 21 SHEET C7.01.CONTRACTOR TO MAINTAIN MINIMUM 1% SLOPE TO A DRAIN FROM ALL POINTS OF THE SUBGRADE. CONTINUE PER LANDSCAPE DETAIL 15 SHEET L5.01.
25	SUPPLY AND INSTALL PERIMETER SUBDRAIN AT NATURAL TURF FIELD PER DETAIL19 SHEETC7.01.
26	SUPPLY AND INSTALL MULTI-FLOW 1200 DRAIN PIPE SPACED 15' ON CENTER. SEE DETAIL 20 SHEET C7.01.
27	SUPPLY AND INSTALL 4" PERFORATED PIPE WRAPPED IN FILTER FABRIC AT FOOTING OF WALL S=0.010 MIN DAYLIGHT OUTLET AT TOE OF SLOPE. SEE LANDSCAPE DETAIL 01, SHEET L5.02.
28	CONNECT TO PERFORATED PIPE BENEATH SEAT WALL.
29	SUPPLY AND INSTALL 4" PERFORATED PIPE WRAPPED IN FILTER FABRIC. S=0.010 MIN TO CONNECTION POINT. SEE LANDSCAPE DETAIL 02, SHEET L5.04.
30	SUPPLY AND INSTALL DRYWELL FOR DRINKING FOUNTAIN. SEE DETAIL 14 SHEET C7.01. CONNECT TO DRINKING FOUNTAIN WITH 2" SCH 40 DRAIN PIPE, S=0.010 MIN
31	SUPPLY AND INSTALL 24" X 24" CATCH BASIN PER DEAIL 16 SHEET C7.01
32	SUPPLY AND INSTALL STORM DRAIN CLEANOUT PER DETAIL 18 SHEET C7.01.
33	CONNECT TO EXISTING STORM DRAIN. CONTRACTOR TO VERIFY ELEVATION OF EXISTING PIPE AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
34	SUPPLY AND INSTALL MODULAR WETLANDS STRUCTURE PER DETAIL 01 SHEET C7.02.
35	SUPPLY AND INSTALL 4" TRENCH DRAIN. ACO DRAIN MODEL 4000-3 WITH PERFORATED HEEL PROOF GRATE. EMBED IN CONCRETE PER MANUFACTURE'S RECOMMENDATIONS. CONNECT TO ADJACENT STORM DRAIN PER PLAN. SEE DETAIL 02 SHEET C7.02.

WATER CONSTRUCTION NOTES:

50	SUPPLY AND INSTALL 1" PVC SCH 40 DOMESTIC WATER LATERAL WITH 30" MIN. COVER AND 36" MIN. COVER WHERE SURFACE LOADS ARE EXPECTED. PIPE TRENCHING AND BACKFILL PER DETAIL 06 SHEET C7.02.
51	CONNECT WATER LINE TO DRINKING FOUNTAIN SUPPLY LINE PER MANUFACTURER'S RECOMMENDATIONS. INCLUDE SHUT-OFF VALVE. PLUG AND MARK END.
52	CONNECT TO EXISTING DOMESTIC WATER SERVICE LINE WITH FLANGED COUPLING ADAPTER USING STAINLESS STEEL NUTS, BOLTS, AND WASHERS. CONTRACTOR TO VERIFY SIZE AND LOCATION OF EXISTING WATER LINE AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

FIRE WATER CONSTRUCTION NOTES:

60	CONNECT TO EXISTING 8" WATER LINE WITH FLANGED COUPLING ADAPTER USING STAINLESS STEEL NUTS, BOLTS, AND WASHERS. CONTRACTOR TO VERIFY SIZE AND LOCATION OF EXISTING WATER LINE AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
61	REINSTALL FIRE HYDRANT AND GATE VALVE PER DETAIL 07 SHEET C7.02.
62	SUPPLY AND INSTALL THRUST BLOCKING PER DETAIL 08 SHEET C7.02.

CONSTRUCTION NOTES:

1. UTILITIES TO CROSS OVER OR UNDER OTHER UTILITIES TO MAINTAIN 12" MINIMUM CLEARANCE AT UTILITY CROSSINGS, UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL VERIFY SIZE AND LOCATION (HORIZONTAL AND VERTICAL) OF EXISTING CROSSING AND JOINING UTILITIES PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICT.
3. CONTRACTOR SHALL CONSTRUCT GRAVITY UTILITIES (SEWER AND STORM DRAIN) BEFORE OTHER UTILITIES. CONSTRUCTION OF THESE GRAVITY UTILITIES TO START FROM THE DOWNSTREAM ENDS.
4. EXISTING UTILITIES ARE COMPILED BASED ON PREVIOUS BASE FILES, FIELD SURVEY AND FIELD VERIFICATION. POTHOLING IS RECOMMENDED TO VERIFY ANY AND ALL UTILITIES KNOWN OR UNKNOWN WHICH MAY BE IN CONFLICT WITH PROPOSED CONSTRUCTION.
5. PRIOR TO THE REMOVAL OF ANY WET OR DRY UTILITY LINES, THE CONTRACTOR SHALL CONFIRM WITH OWNER REPRESENTATIVE WHETHER THESE UTILITY LINES ARE STILL ACTIVE OR NOT. IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICT.
6. CONTRACTOR TO ADJUST TO FINISHED GRADE ALL EXISTING UTILITY BOXES, STORM DRAIN CLEANOUT COVERS, PULL BOXES AND VALVE COVERS NOT SPECIFICALLY SHOWN WITHIN THE LIMITS OF WORK.
7. SEE DETAIL 12 SHEET C7.01 FOR STORM DRAIN UTILITY TRENCHING AND BACKFILL.
8. SAWCUT, REMOVE AND REPLACE EXISTING CURB AS REQUIRED FOR TRENCHING. MATCH EXISTING CURB.
9. ALL PRECAST DRAIN INLETS TO HAVE AN APPROVED "NO DUMPING DRAINS TO THE OCEAN 3" X 5" ROUNDED CORNERED RECTANGLES STYLE #NDO OR 4" DIAMETER ROUND STYLE #SDO ABRASION AND UV RESISTANT DURACAST STYLE MARKER BY DAS MANUFACTURING OR EQUIVALENT APPLIED TO THE CONCRETE COLLAR AROUND DRAIN INLET USING RAPID SET URETHANE ADHESIVE OR QUICKSTIK EPOXY PUTTY ADHESIVE PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
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STORM DRAIN & UTILITY PLAN

C3.01

STORM DRAIN CONSTRUCTION NOTES

KEY NOTE	DESCRIPTION
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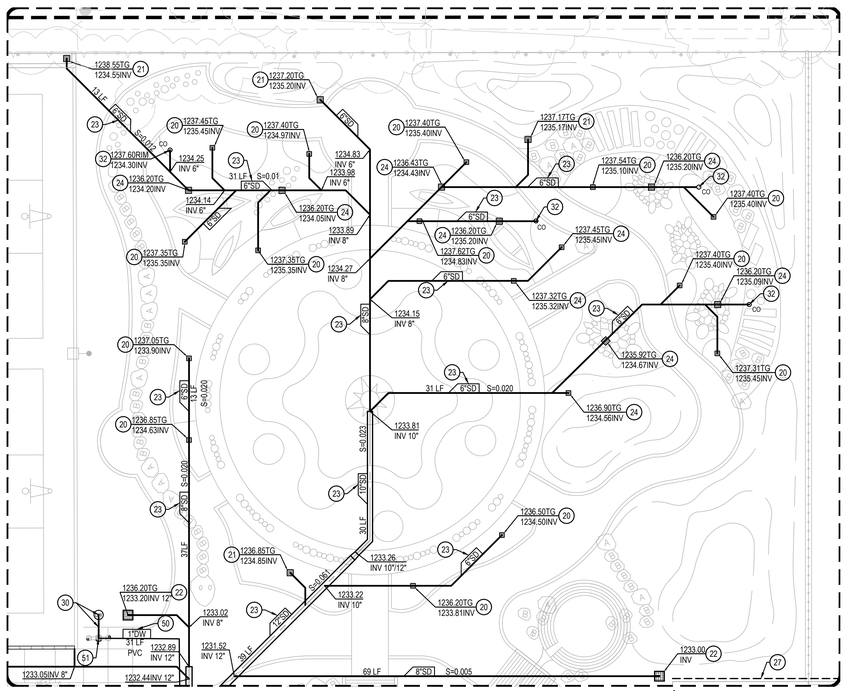

STORM DRAIN & UTILITY ENLARGEMENTS 1" = 10' 01

CONSTRUCTION NOTES:

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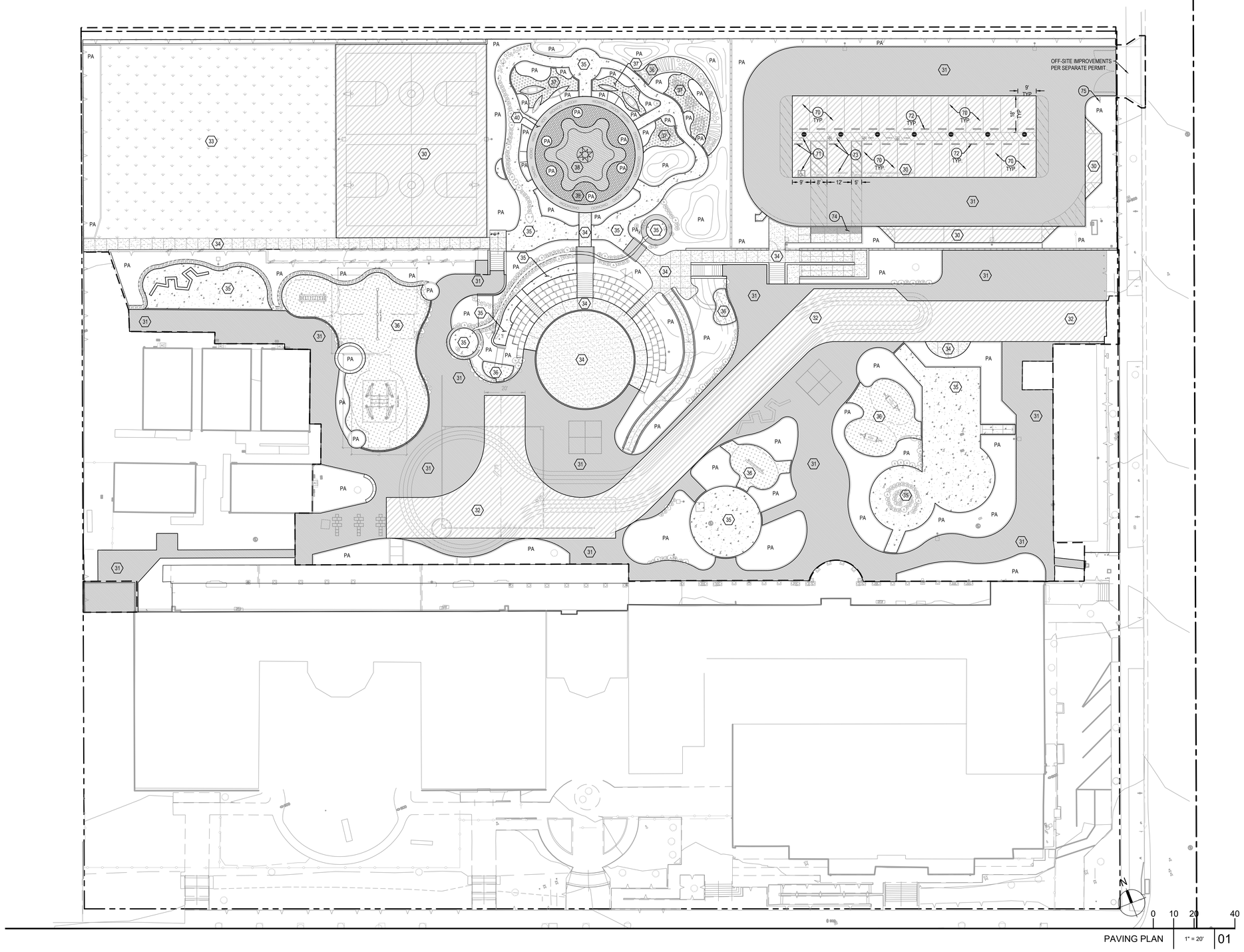
STORM DRAIN & UTILITY ENLARGEMENTS

C3.02



PAVING NOTES:

1. SEE LANDSCAPE PLANS FOR PAVERS, LOCATION AND TYPE OF CONCRETE WALKS AND HARDSCAPE INCLUDING DETAILS FOR CONCRETE FINISHES, CONTROL JOINTS AND EXPANSION JOINTS.
2. VERIFY ALL VEHICULAR AND NON-VEHICULAR LIMITS WITH LANDSCAPE PLANS.

PAVING LEGEND

SYMBOL	DESCRIPTION
30	PARKING STALL AC PAVEMENT 4" AC OVER 5" CAB PER GEOTECHNICAL ENGINEER'S RECOMMENDATION. SEE DETAIL 05 SHEET C7.02.
31	DRIVE AISLE AC PAVEMENT 4" AC OVER 8.5" CAB PER GEOTECHNICAL ENGINEER'S RECOMMENDATION. SEE DETAIL 05 SHEET C7.02.
32	HEAVY DUTY AC PAVEMENT 4" AC OVER 12" CAB PER GEOTECHNICAL ENGINEER'S RECOMMENDATION. SEE DETAIL 05 SHEET C7.02.
33	NATURAL TURF SYSTEM SEE LANDSCAPE PLANS
34	PEDESTRIAN CONCRETE PAVEMENT 6" PCC OVER 6" CAB PER GEOTECHNICAL ENGINEER'S RECOMMENDATION. SEE DETAIL 01 SHEET C7.01.
35	DECOMPOSED GRANITE SEE LANDSCAPE PLANS.
36	ENGINEERED WOOD FIBER SEE LANDSCAPE PLANS.
37	BARK MULCH SEE LANDSCAPE PLANS.
38	TILE PAVING - TYPE 1 SEE LANDSCAPE PLANS.
39	TILE PAVING - TYPE 2 SEE LANDSCAPE PLANS.
40	TILE PAVING - TYPE 3 SEE LANDSCAPE PLANS.
PA	PLANTING AREA SEE LANDSCAPE PLANS.

CONSTRUCTION NOTES:

KEY NOTE	DESCRIPTION
70	PAINT PARKING STALL STRIPING 4" WIDE WHITE PAINT PER SPECIFICATIONS.
71	FURNISH SIGN AND WHEELSTOP AND PAINT ACCESSIBLE PARKING STALL AND ACCESS AISLE PER DETAILS 05, 06 AND 07 SHEET C7.01.
72	FURNISH WHEELSTOP PER DETAIL 09 SHEET C7.01.
73	FURNISH SIGNS AND WHEELSTOP AND PAINT VAN ACCESSIBLE EVCS PARKING STALL AND ACCESS AISLE PER DETAILS 03 AND 04 SHEET C7.02.
74	TRUNCATED DOME PAVER PER DETAIL 10 SHEET C7.01.
75	UNAUTHORIZED VEHICLE SIGN PER DETAIL 11 SHEET C7.01.

STRIPING NOTES

1. ALL EXISTING STRIPING AND MARKINGS TO REMAIN UNLESS OTHERWISE NOTED. CONFLICTS BETWEEN EXISTING AND PROPOSED SHALL BE RESOLVED BY THE ENGINEER.
2. REMOVAL OF EXISTING STRIPING AND PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY WET SANDBLASTING OR OTHER APPROVED GRINDING METHOD PRIOR TO INSTALLATION OF NEW STRIPING. ALL CONFLICTING STRIPING, PAVEMENT MARKINGS, AND RAISED PAVEMENT MARKERS SHALL BE REMOVED.
3. PAVEMENT THAT IS DAMAGED DUE TO THE REMOVAL OF MARKERS OR STRIPING SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER.

HORIZONTAL CONTROL NOTES:

THIS HORIZONTAL CONTROL PLAN ESTABLISHES THE FOLLOWING TO BE USED AS BASE CONTROL FOR CONSTRUCTION STAKING.

1. PRIOR TO STAKING ANY BUILDING STRUCTURE, SURVEYOR SHALL VERIFY THAT THE GRIDS SHOWN ON THIS PLAN MATCHES THE ARCHITECTURAL & STRUCTURAL PLANS.
2. TWO COORDINATES ARE PROVIDED TO ESTABLISH THE BUILDING GRID. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR FINAL BUILDING DIMENSIONS.
3. IF ANY DISCREPANCIES ARE FOUND DURING CONSTRUCTION STAKING NOTIFY CIVIL ENGINEER IMMEDIATELY.
4. SEE LANDSCAPE PLANS FOR DETAILED HARDSCAPE DIMENSIONS.
5. SEE LANDSCAPE PLANS FOR LOCATION AND TYPE OF CONCRETE WALKS AND HARDSCAPE INCLUDING DETAILS FOR CONCRETE FINISHES, CONTROL JOINTS AND EXPANSION JOINTS.
6. SEE PAVING AND STRIPING PLANS FOR LOCATION AND TYPE OF PAVING AND STRIPING.

BENCHMARK

-SEE SHEET C0.01 FOR BENCHMARK.

BASIS OF BEARINGS

-SEE SHEET C0.01 FOR BASIS OF BEARINGS.

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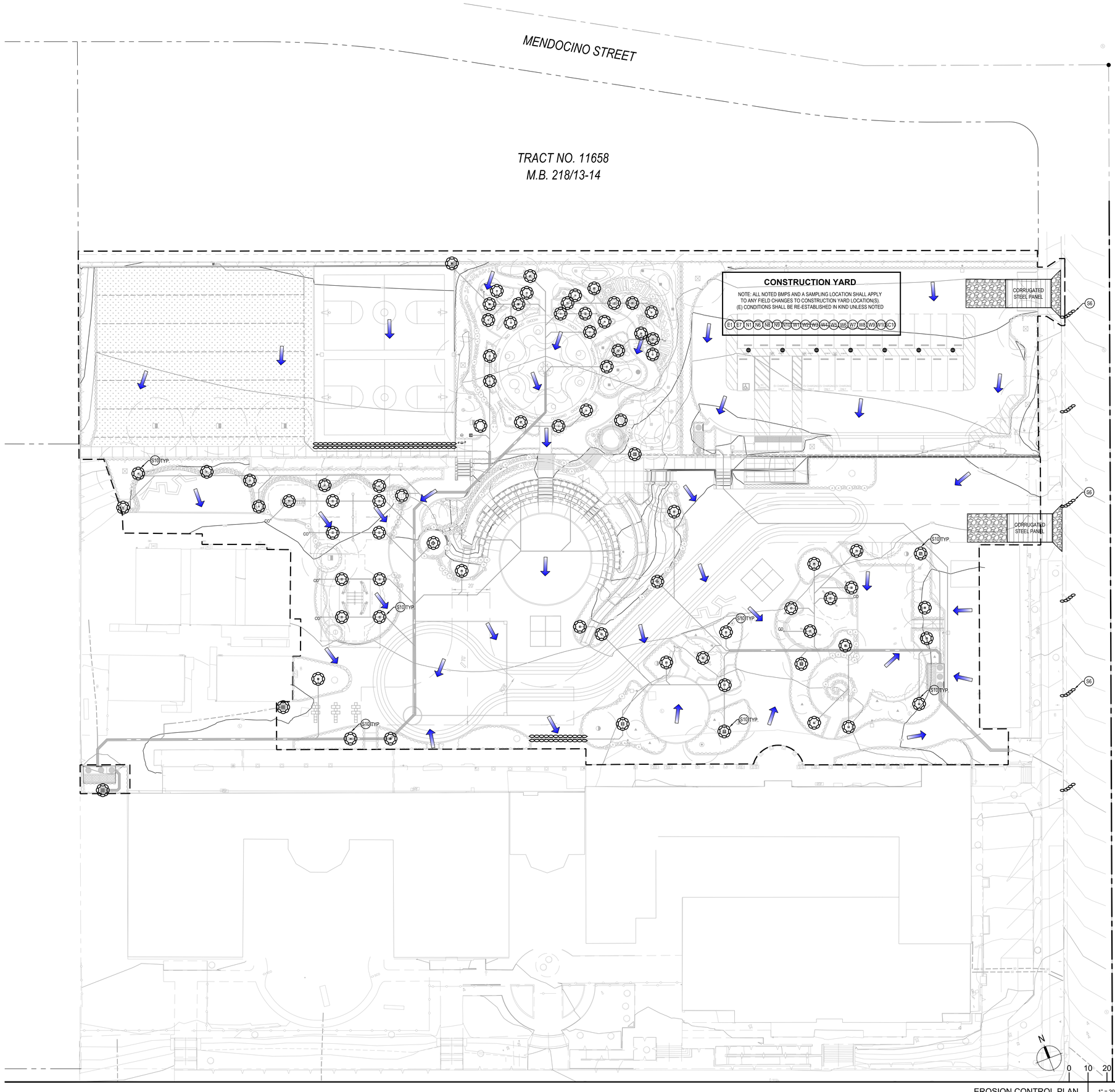
PAVING PLAN

C5.01



EROSION CONTROL PLAN 1" = 20' 01

EROSION CONTROL NOTES

-SEE SHEET C0.01 FOR EROSION AND SEDIMENT CONTROL NOTES.

-SEE SHEET C0.01 FOR BMP MAINTENANCE NOTES.

-ALL BMPS PER CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA)(UNLESS NOTED OTHERWISE) AND ARE AVAILABLE AT www.casqa.org.

-BMPS "NOT" CALLED OUT PER PLAN, ARE SHOWN FOR REFERENCE AS BMP OPTIONS PER QSP (QUALIFIED SWPPP PRACTITIONER) FIELD RECOMMENDATIONS.

-AT THE COMPLETION OF PROJECT, CONTRACTOR SHALL REMOVE ALL CONSTRUCTION BMPS FROM SITE AND DISPOSE IN A LEGAL MANNER.

LEGEND

SYMBOL	DESCRIPTION
	GRAVEL BAGS AND/OR SANDBAGS PER BMP KEYNOTES
	FIBER ROLL
	SILT FENCE
	APPROXIMATE LIMIT OF GRADING
	FLOW DIRECTION

EROSION CONTROL BMPs:

KEY NOTE	DESCRIPTION
E1	EC-1, SCHEDULING
E2	EC-2, PRESERVATION OF EXISTING VEGETATION
E3	EC-3, HYDRAULIC MULCH
E4	EC-4, HYDROSEEDING
E5	EC-5, SOIL BINDERS
E6	EC-6, STRAW MULCH
E7	EC-7, GEOTEXTILES AND MATS
E8	EC-8, WOOD MULCHING
E9	EC-9, EARTH DIKES AND DRAINAGE SWALES
E10	EC-10, VELOCITY DISSIPATION DEVICES
E11	EC-11, SLOPE DRAINS
E12	EC-12, STREAMBANK STABILIZATION
E14	EC-14, COMPOST BLANKET
E15	EC-15, SOIL PREPARATION/ROUGHENING
E16	EC-16, NON-VEGETATIVE STABILIZATION

SEDIMENT CONTROL BMPs:

S1	SE-1, SILT FENCE
S2	SE-2, SEDIMENT BASIN
S3	SE-3, SEDIMENT TRAP
S4	SE-4, CHECK DAMS
S5	SE-5, FIBER ROLLS
S6	SE-6, GRAVEL BAG BERM
S7	SE-7, STREET SWEEPING AND VACUUMING
S8	SE-8, SANDBAG BARRIER
S9	SE-9, STRAW BALE BARRIER
S10	SE-10, STORM DRAIN INLET PROTECTION
S11	SE-11, ACTIVE TREATMENT SYSTEMS
S12	SE-12, TEMPORARY SILT DIKE
S13	SE-13, COMPOST SOCKS AND BERMS
S14	SE-14, BIOFILTER BAGS

TRACKING CONTROL BMPs:

T1	TC-1, STABILIZED CONSTRUCTION ENTRANCE/EXIT
T2	TC-2, STABILIZED CONSTRUCTION ROADWAY
T3	TC-3, ENTRANCE/OUTLET TIRE WASH

NON-STORMWATER MANAGEMENT CONTROL BMPs:

N1	NS-1, WATER CONSERVATION PRACTICES
N2	NS-2, DEWATERING OPERATIONS
N3	NS-3, PAVING AND GRINDING OPERATIONS
N4	NS-4, TEMPORARY STREAM CROSSING
N5	NS-5, CLEAN WATER DIVERSION
N6	NS-6, ILLICIT CONNECTION/DISCHARGE
N7	NS-7, POTABLE WATER/IRRIGATION
N8	NS-8, VEHICLE AND EQUIPMENT CLEANING
N9	NS-9, VEHICLE AND EQUIPMENT FUELING
N10	NS-10, VEHICLE AND EQUIPMENT MAINTENANCE
N11	NS-11, PILE DRIVING OPERATIONS
N12	NS-12, CONCRETE CURING
N13	NS-13, CONCRETE FINISHING
N14	NS-14, MATERIAL OVER WATER
N15	NS-15, DEMOLITION ADJACENT TO WATER
N16	NS-16, TEMPORARY BATCH PLANTS
SC1	SC-10, NON-STORMWATER DISCHARGES

WIND EROSION CONTROL BMPs:

WE	WE-1, WIND EROSION CONTROL

WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs:

W1	WM-1, MATERIAL DELIVERY AND STORAGE
W2	WM-2, MATERIAL USE
W3	WM-3, STOCKPILE MANAGEMENT
W4	WM-4, SPILL PREVENTION AND CONTROL
W5	WM-5, SOLID WASTE MANAGEMENT
W6	WM-6, HAZARDOUS WASTE MANAGEMENT
W7	WM-7, CONTAMINATED SOIL MANAGEMENT
W8	WM-8, CONCRETE WASTE MANAGEMENT
W9	WM-9, SANITARY/SEPTIC WASTE MANAGEMENT
W10	WM-10, LIQUID WASTE MANAGEMENT

STORM WATER STORAGE OR CONTAINMENT

W#	STORMWATER STORAGE (E.G. BIORETENTION) OR CONTAINMENT (E.G. CISTERN)

DISCHARGE LOCATIONS

D#	DISCHARGE LOCATION

SAMPLING LOCATIONS

B#	POLLUTANT SAMPLE LOCATION - BACKGROUND SAMPLE
C#	POLLUTANT SAMPLE LOCATION - CONTRACTORS YARD
S#	POLLUTANT SAMPLE LOCATION - SITE
R#	POLLUTANT SAMPLE LOCATION - RUN-ON

NOTE:
THE SAMPLE LOCATIONS SHOWN ARE THE MINIMUM REQUIREMENT FOR THE PROJECT SITE AND RISK LEVEL X. SAMPLE LOCATIONS MAY BE RELOCATED IF FIELD CONDITIONS WILL NOT ALLOW FOR SATISFACTORY SAMPLING. ANY ADJUSTMENTS TO SAMPLING LOCATIONS MUST MEET THE INTENDED PURPOSE ORIGINALLY DESIGNATED FOR THAT LOCATION AND MUST BE DOCUMENTED WITH A SWPPP AMENDMENT FORM.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

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KHEREEN M. SHAMEER
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Altadena, CA 91001

Developed for
PUSD

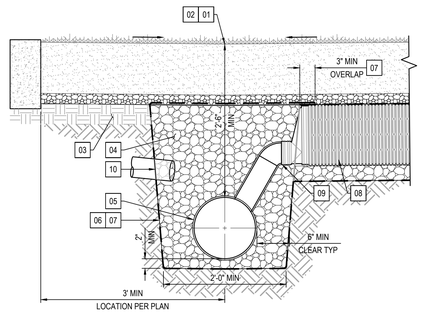
Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/08/2025
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

Job Number	33366
Checked By	KS
Scale	1" = 20'

EROSION CONTROL PLAN

C6.01



01 FINISH GRADE

02 NATURAL TURF AND SUBBASE PER LANDSCAPE PLANTING PLANS

03 SUBGRADE PREPERATION PER GEOTECHNICAL REPORT

04 3/8" WASHED DRAIN ROCK COMPACTED PER GEOTECHNICAL REPORT

05 ADS HDPE DRAIN PIPE WITH 3 ROWS OF 0.3"Ø HOLES, 12" OC LOCATED ON INNER CORRUGATIONS ONLY, TO ALIGN WITH THE BOTTOM OF THE TRENCH, SLOPPED PER PLAN (PERFORATIONS DOWN)

06 BATTER SIDES OF TRENCH 1:12

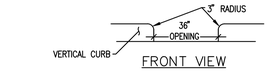
07 WRAP SUBDRAIN TRENCH DRAIN ROCK WITH MIRAFI 140N FILTER FABRIC WITHOUT WRINKLES OR DEFORMITIES

08 12" MULTI-FLOW FLAT DRAIN INSTALL VERTICALLY PER DETAIL XX THIS SHEET

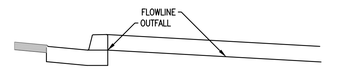
09 PROVIDE AND INSTALL END OUTLET WITHIN A FEW INCHES OF SUBDRAIN TRENCH . CONNECT TO PERIMETER SUBDRAIN WITH FLEXIBLE CONNECTION.

10 STUB DRAIN PIPE INTO TRENCH WHERE OCCURS PER PLAN. LEAVE END OPEN AND COVER WITH CLEAN DRAIN ROCK.

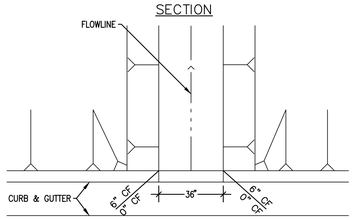
PERIMETER SUBDRAIN AT NATURAL TURF FIELD — NTS — 19



FRONT VIEW



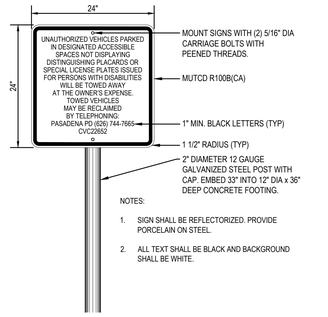
SECTION



PLAN

CF=CURB FACE

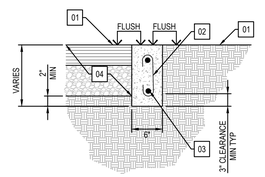
CURB OPENING — NTS — 15



NOTES:

1. SIGN SHALL BE REFLECTORIZED. PROVIDE PORCELAIN ON STEEL.
2. ALL TEXT SHALL BE BLACK AND BACKGROUND SHALL BE WHITE.

UNAUTHORIZED VEHICLE SIGN — NTS — 11



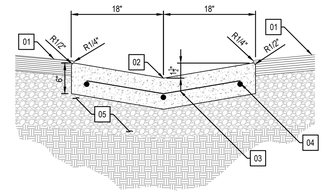
01 FINISHED SURFACE / FINISHED GRADE

02 #3 REBAR @ 36" OC

03 (2) #4 REBAR CONTINUOUS TYP

04 PAVEMENT SECTION PER PLAN

FLUSH CURB — NTS — 08



01 FINISHED SURFACE

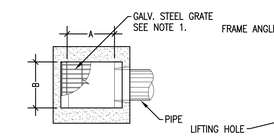
02 FLOW LINE PER PLAN

03 #3 REBAR @ 18" OC

04 (3) #3 REBAR CONTINUOUS TYP

05 SUBGRADE PREPARATION PER GEOTECHNICAL ENGINEER RECOMMENDATIONS

VALLEY GUTTER — NTS — 04



01 NDS CAST IRON GRATE INSTALL FLUSH 12" SQUARE PART NO. 1213

02 NDS LOW PROFILE ADAPTER 12" SQUARE PART NO. 1230

03 NDS UNIVERSAL ADAPTER PART NO. 1243 - 3" OR 4" OUTLET PART NO. 1245 - 3" OR 4" OFFSET OUTLET PART NO. 1266 - 6" OUTLET PART NO. 1888 - 8" OUTLET

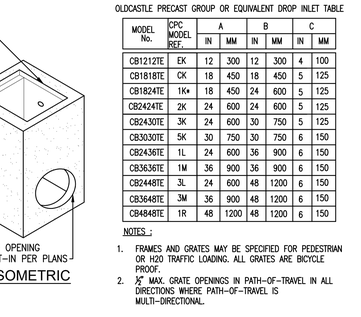
04 OUTLET PIPE PER STORM DRAIN PLAN

05 CONCRETE COLLAR CLASS 'C' LOAD RATING/H20

06 FINISHED SURFACE PER PAVING PLAN

07 FINISHED SURFACE PER PAVING PER PLAN

NDS DRAIN INLET — NTS — 21



NOTES:

- CLEANOUT TYPE 1 TO BE INSTALLED IN ALL CONCRETE PAVEMENT AND PEDESTRIAN HARDSCAPE AREAS. LID SHALL BE INSTALLED FLUSH WITH FINISHED SURFACE. PROVIDE PCC COLLAR BELOW HARDSCAPE PER MANUFACTURES REQUIREMENTS.
- CLEANOUT TYPE 2 TO BE INSTALLED IN ASPHALT PAVEMENT AND PLANTED AREAS. CLEANOUT RIM TO BE INSTALLED FLUSH WITH FINISHED SURFACE OF AC PAVING OR 1" ABOVE FINISHED GRADE IN PLANTER AREAS AS APPLIES.

01 ZURN ZN-1400-HD-SM OR APPROVED EQUAL

02 CLEANOUT LID WITH "SEWER" OR "STORM"

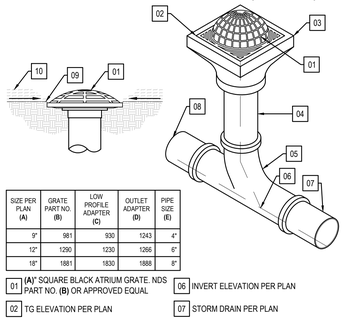
03 SOLVENT WELD X F.I.P.T. COUPLING WITH M.I.P.T. PLUG WITH MALE SQUARE NUT.

04 BROOKS 1-RT CLEANOUT OR APPROVED EQUAL

05 PIPE SIZE PER PLAN. MATERIAL TO MATCH ADJACENT LINE

06 WYE FITTING AT LINE CLEANOUT, 45° ELBOW AT TERMINAL CLEANOUT

CLEANOUT — NTS — 18



01 6" VERTICAL CURB

02 FLUSH CURB

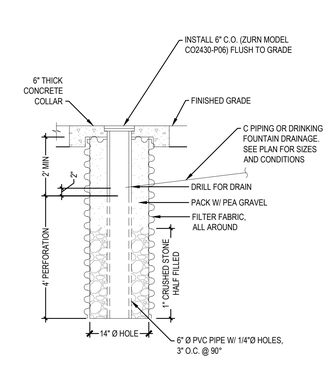
03 SEE DETECTABLE WARNING DETAIL

04 #3 REBAR CONTINUOUS (TYP)

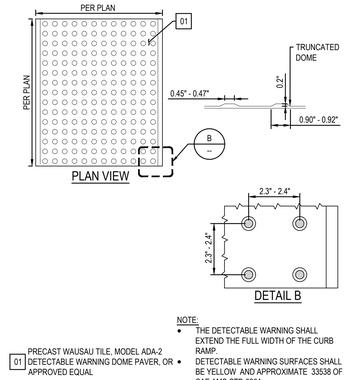
05 REINFORCEMENT PER PAVING DETAIL CENTERED IN CONCRETE SECTION

06 CONCRETE CURB. TOP OF CURB TO MATCH RAMP SLOPE

ACCESSIBLE CURB RAMP - DOUBLE — NTS — 17



DRYWELL — NTS — 14

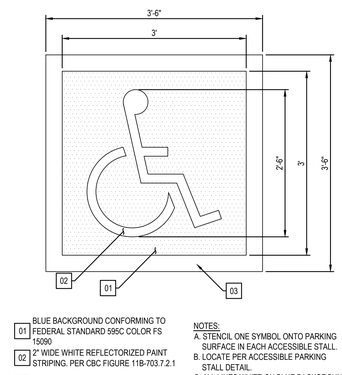


01 PRECAST WAUSAU TILE, MODEL ADA-2 DETECTABLE WARNING DOME PAVER, OR APPROVED EQUAL

NOTE:

- THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP.
- DETECTABLE WARNING SURFACES SHALL BE YELLOW AND APPROXIMATE 33538 OF SAE AMS-STD-595A.
- INSTALLATION PER MANUFACTURER INSTRUCTIONS

DETECTABLE WARNING — NTS — 10



01 BLUE BACKGROUND CONFORMING TO FEDERAL STANDARD 595C COLOR FS 15090

02 2" WIDE WHITE REFLECTORIZED PAINT STRIPING. PER CBC FIGURE 11B-703.7.2.1

03 WHITE REFLECTORIZED PAINT STRIPING

NOTES:

A. STENCIL ONE SYMBOL ONTO PARKING SURFACE IN EACH ACCESSIBLE STALL.
B. LOCATE PER ACCESSIBLE PARKING STALL DETAIL.
C. ALL LINES WHITE ON BLUE BACKGROUND.

INTERNATIONAL SYMBOL OF ACCESSIBILITY — NTS — 07

NOTES:

- EXPANSION JOINTS AND CONTROL JOINTS PER SSPWC SECTION 303-5 SHALL BE PLACED IN CURB ALIGNED WITH HARDSCAPE JOINTING PER LANDSCAPE DRAWINGS (EXCEPTION: CONTROL JOINTS SHALL BE MAXIMUM 10.0' INTERVALS).

01 FINISHED SURFACE

02 CONCRETE CURB AND GUTTER

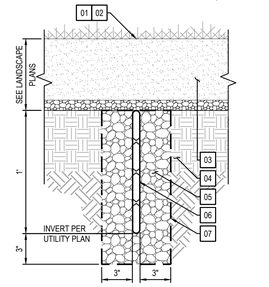
03 #3 REBAR @ 36" OC

04 SLOPE 1/4" PER FOOT

05 PAVEMENT SECTION PER PLAN

06 (3) #4 REBAR CONTINUOUS TYP

CURB AND GUTTER - 18 INCH — NTS — 03



01 FINISH GRADE

02 NATURAL TURF PER LANDSCAPE PLANTING PLANS

03 SUBBASE GROWING MEDIUM PER LANDSCAPE PLANTING PLANS

04 SUBGRADE PREPERATION PER GEOTECHNICAL REPORT

05 3/8" WASHED DRAIN ROCK COMPACTED PER GEOTECHNICAL REPORT

06 12" MULTI-FLOW FLAT DRAIN WITH SLEEVE SPACED AT 15' ON CENTER EXTEND INTO PERIMETER SUBDRAIN TRENCH PER DETAIL XX THIS SHEET.

07 SOIL ISOLATION FILTER FABRIC (MIRAFI 140N)

NATURAL TURF FIELD SUBDRAIN — NTS — 20

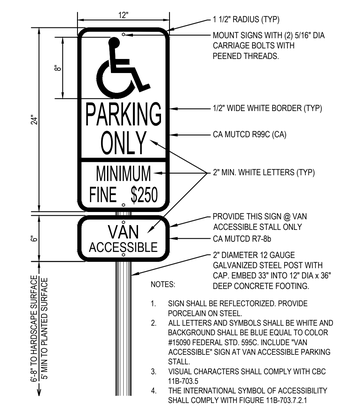
01 FINISHED SURFACE

02 (2) #3 REBAR CONTINUOUS TYP

03 #4 x 18" REBAR AT EACH END

04 PRE-CAST CONC. WHEEL STOP 4'-0" LONG AT SINGLE STALL, 6'-0" LONG AT STALLS SHARED

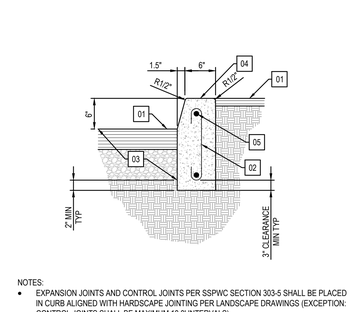
PRE-CAST CONCRETE WHEEL STOP — NTS — 09



NOTES:

1. SIGN SHALL BE REFLECTORIZED. PROVIDE PORCELAIN ON STEEL.
2. ALL LETTERS AND SYMBOLS SHALL BE WHITE AND BACKGROUND SHALL BE BLUE EQUAL TO COLOR #15090 FEDERAL STD. 595C. INCLUDE "VAN ACCESSIBLE" SIGN AT VAN ACCESSIBLE PARKING STALL.
3. VISUAL CHARACTERS SHALL COMPLY WITH CBC 11B-703.5
4. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH FIGURE 11B-703.7.2.1

ACCESSIBLE PARKING SIGN — NTS — 06



NOTES:

- EXPANSION JOINTS AND CONTROL JOINTS PER SSPWC SECTION 303-5 SHALL BE PLACED IN CURB ALIGNED WITH HARDSCAPE JOINTING PER LANDSCAPE DRAWINGS (EXCEPTION: CONTROL JOINTS SHALL BE MAXIMUM 10.0' INTERVALS).

01 FINISHED SURFACE / FINISHED GRADE

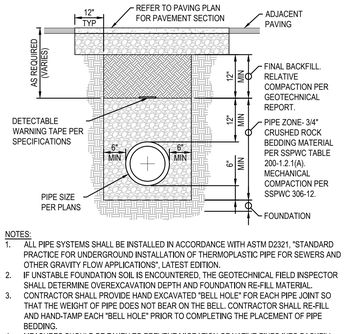
02 #3 REBAR @ 36" OC

03 PAVEMENT SECTION PER PLAN

04 SLOPE 1/4" PER FOOT

05 (2) #4 REBAR CONTINUOUS TYP

VERTICAL CURB — NTS — 02



OLDCASTLE PRECAST GROUP OR EQUIVALENT DROP INLET TABLE

MODEL No.	CPC MODEL REF.	A		B		C	
		IN	MM	IN	MM	IN	MM
CB1212TE	EK	12	300	12	300	4	100
CB1818TE	CK	18	450	18	450	5	125
CB1824TE	1K*	18	450	24	600	5	125
CB2424TE	2K	24	600	24	600	5	125
CB2430TE	3K	24	600	30	750	5	125
CB3030TE	5K	30	750	30	750	6	150
CB2436TE	1L	24	600	36	900	6	150
CB3636TE	1M	36	900	36	900	6	150
CB2448TE	3L	24	600	48	1200	6	150
CB3648TE	3M	36	900	48	1200	6	150
CB4848TE	1R	48	1200	48	1200	6	150

NOTES :

1. FRAMES AND GRATES MAY BE SPECIFIED FOR PEDESTRIAN OR H20 TRAFFIC LOADING. ALL GRATES ARE BICYCLE PROOF.
2. ½" MAX. GRATE OPENINGS IN PATH-OF-TRAVEL IN ALL DIRECTIONS WHERE PATH-OF-TRAVEL IS MULTI-DIRECTIONAL.

OLDCASTLE PRECAST PRECAST (www.oldcastleprecast.com) DRAIN INLET W-IN-12 OR EQUIVALENT

DRAIN INLET — NTS — 16

NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
2. IF UNSTABLE FOUNDATION SOIL IS ENCOUNTERED, THE GEOTECHNICAL FIELD INSPECTOR SHALL DETERMINE OVEREXCAVATION DEPTH AND FOUNDATION RE-FILL MATERIAL.
3. CONTRACTOR SHALL PROVIDE HAND EXCAVATED "BELL HOLE" FOR EACH PIPE JOINT SO THAT THE WEIGHT OF PIPE DOES NOT BEAR ON THE BELL. CONTRACTOR SHALL RE-FILL AND HAND-TAMP EACH "BELL HOLE" PRIOR TO COMPLETING THE PLACEMENT OF PIPE BEDDING.
4. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL WHEN REQUIRED BY GEOTECHNICAL REPORT. FILTER FABRIC IF USED SHALL SATISFY THE REQUIREMENTS FOR A TYPE 180N, NONWOVEN GEOTEXTILE PER SSPWC 213-2 (LATEST EDITION).

PIPE TRENCH - STORM DRAIN — NTS — 12

SIZE PER PLAN (A)	GRATE PART NO. (B)	LOW PROFILE ADAPTER (C)	OUTLET ADAPTER (D)	PIPE SIZE (E)
9"	981	930	1243	4"
12"	1290	1230	1266	6"
18"	1881	1830	1888	8"

01 (A)" SQUARE BLACK ATRIUM GRATE. NDS PART NO. (B) OR APPROVED EQUAL

02 TG ELEVATION PER PLAN

03 (A)" NDS PART NO. (C) AND (D) OR APPROVED EQUAL

04 (E)" PVC SDR 35 RISER

05 WYE FITTING

06 INVERT ELEVATION PER PLAN

07 STORM DRAIN PER PLAN

08 PLUG IF AT END OF RUN

09 GRATE RIM FLUSH WITH FINISHED GRADE UNLESS NOTED OTHERWISE

10 MATERIAL PER LANDSCAPE PLANS

SQUARE ATRIUM PLANTER DRAIN — NTS — 13

NOTES:

- REFER TO LANDSCAPE DRAWINGS FOR COLOR, FINISH, PATTERN, TEXTURE, CONTROL JOINTS, EXPANSION JOINTS, AND THICKENED EDGE. FOR MOISTURE-SENSITIVE FINISHES, REFER TO GEOTECHNICAL REPORT FOR VAPOR RETARDER.
- CONCRETE DOWELING PER LANDSCAPE DRAWINGS AND PROJECT GEOTECHNICAL REPORT RECOMMENDATIONS.
- DO NOT ALLOW CONCRETE OVER-POUR INTO ADJACENT PLANTERS.
- MINIMUM CONCRETE STRENGTH PER SPECIFICATIONS

01 CONCRETE PAVING PEDESTRIAN: 4" THICK VEHICULAR: 6.5" THICK

02 PEDESTRIAN: #4 @ 16" OC EACH WAY VEHICULAR: #3 @ 18" OC EACH WAY

03 COMPACTED BASE COURSE PER GEOTECHNICAL REPORT (WHERE OCCURS).

04 SUBGRADE COMPACTED PER PROJECT GEOTECHNICAL REPORT

CONCRETE PAVEMENT — NTS — 01

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Developed for PUSD

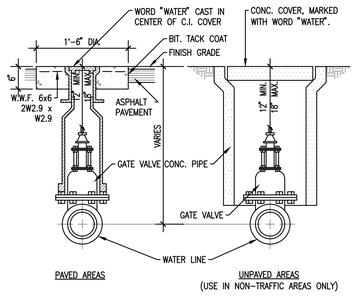
Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/08/2025
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

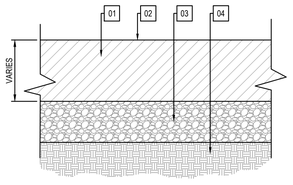
Job Number	33366
Checked By	KS
Scale	NTS

DETAILS

C7.01



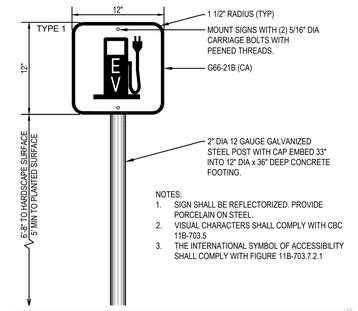
VALVE BOX — NTS 09



01 AC PAVING, SEE SCHEDULE BELOW
02 2 COATS OF SURFACE SEAL
03 BASE COURSE, SEE SCHEDULE BELOW
04 COMPACTED SUBGRADE PER GEOTECHNICAL REPORT RECOMMENDATIONS

ASPHALT CONCRETE		BASE COURSE	
LOCATION	THICKNESS	THICKNESS	TYPE
TI 4	3"	5"	CAB
TI 6	4"	8.5"	CAB
TI 7	4"	12"	CAB

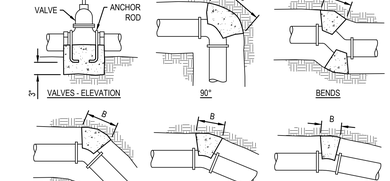
AC PAVING — NTS 05



1 1/2" RADIUS (TYP)
MOUNT SIGNS WITH (2) 5/16" DIA CARRIAGE BOLTS WITH PEENED THREADS.
G66-21B (CA)
2" DIA 12 GAUGE GALVANIZED STEEL POST WITH CAP EMBED 33" INTO 12" DIA x 36" DEEP CONCRETE FOOTING.

NOTES:
1. SIGN SHALL BE REFLECTORIZED. PROVIDE PORCELAIN ON STEEL.
2. VISUAL CHARACTERS SHALL COMPLY WITH CBC 11B-703.5
3. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH FIGURE 11B-703.7.2.1

EV PARKING SIGNS — NTS 04

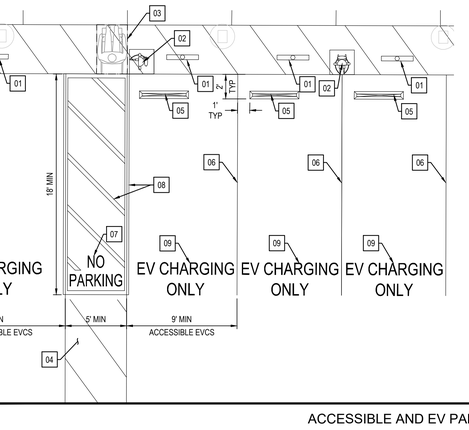


NOTES:
1. THRUST BLOCKS SHALL BE USED FOR PLASTIC PIPE 4" DIAMETER OR LARGER.
2. THRUST BLOCK INSTALLATION PER SSPWC SECTION 306 (LATEST EDITION).
3. THRUST BLOCKS SHALL BE PCC, 450-C-2000 PER SSPWC SECTION 201 (LATEST EDITION).
4. ANCHOR RODS SHALL BE GALVANIZED STEEL, 1/2" DIAMETER, WRAPPED AROUND PIPE.
5. ALL VIEWS ARE PLAN VIEWS UNLESS OTHERWISE NOTED.
6. THRUST BLOCK AREAS ARE BASED ON 200 PSI PRESSURE AND 3,000 PSF ALLOWABLE SOIL BEARING PRESSURE. THRUST BLOCK SIZING PER 2022 NFPA 24, ANNEX A, SECTION A.10.6.1.
7. THRUST BLOCKS SHALL BE INSTALLED AT EVERY CHANGE OF DIRECTION.

HORIZONTAL BEND THRUST BLOCK REQUIRED TOTAL BEARING AREA						
PIPE SIZE (IN)	11 1/4° BEND	22 1/2° BEND	45° BEND	90° BEND	DEAD END	TEE
	AREA (SF)	AREA (SF)	AREA (SF)	AREA (SF)	AREA (SF)	AREA (SF)
4	0.4	0.7	1.4	2.6	1.8	1.8
6	0.7	1.5	2.9	5.3	3.7	3.7
8	1.3	2.5	4.9	9.1	6.4	6.4
10	1.9	3.8	7.4	13.7	9.7	9.7
12	2.7	5.3	10.5	19.4	13.7	13.7

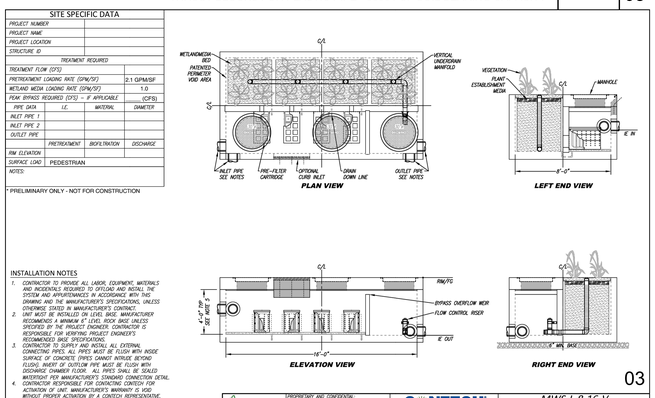
* BLOCK HEIGHT (H) SHOULD BE CHOSEN SO THAT THE CALCULATED BLOCK WIDTH (B) VARIES BETWEEN ONE AND TWO TIMES THE HEIGHT, NFPA A.10.6.1.

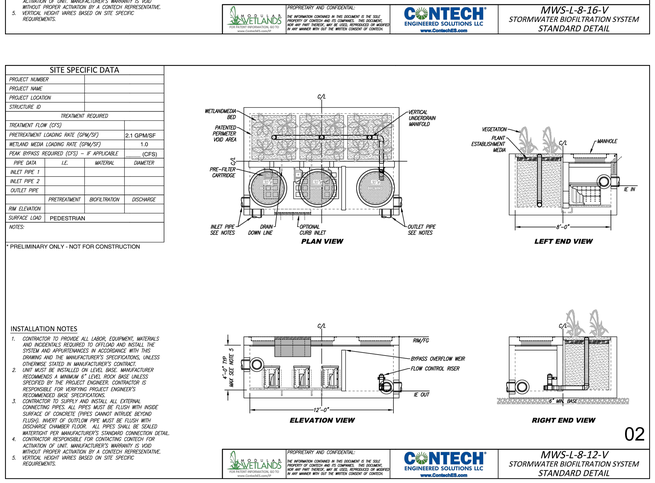
THRUST BLOCKS FOR PLASTIC PIPE - 3000 PSF SOIL BEARING CAPACITY — NTS 08

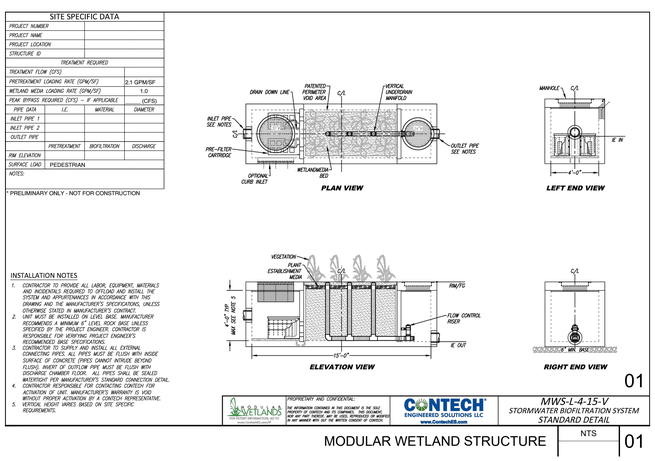


01 EV PARKING SIGN CENTERED ON PARKING STALL. PER DETAIL 04 THIS SHEET.
02 EV CHARGER PER LANDSCAPE MATERIALS PLAN
03 30" X 48" CLEAR GROUND SPACE
04 ACCESSIBLE ROUTE
05 PRE-CAST CONCRETE WHEEL STOP PER DETAIL 09 SHEET C7.01.
06 4" WIDE WHITE STALL STRIPING
07 WITHIN ACCESS AISLE PAINT THE WORDS 'NO PARKING' IN 12" HIGH WHITE LETTERS
08 ACCESS AISLE MARKED WITH 4" WIDE WHITE BORDER AND HATCHED LINES
09 PAINT THE WORDS 'EV CHARGING ONLY' IN 12" HIGH WHITE LETTERS CENTERED ON PARKING STALL AND WITH THE LOWEST EDGE OF THE LAST WORD ALIGNED WITH THE END OF THE STALL STRIPING.
10 4" WIDE BLUE STRIPING LOADING/UNLOADING ACCESS AISLE BORDER. COLOR NO. 15090 PER FEDERAL STD. NO. 595C.
11 ACCESS AISLE MARKED WITH 4" WIDE WHITE HATCHED LINES AT 3' O.C. SPACING
12 INTERNATIONAL SYMBOL OF ACCESSIBILITY EMBLEM. CENTERED AT END OF PARKING STALL. SEE DETAIL 07 SHEET C7.01.
13 VAN ACCESSIBLE PARKING SIGN CENTERED ON PARKING STALL PER DETAIL 06 SHEET C7.01.
14 4" WIDE BLUE STALL STRIPING, COLOR NO. 15090 PER FEDERAL STD. NO. 595C.

ACCESSIBLE AND EV PARKING STALLS — NTS 03

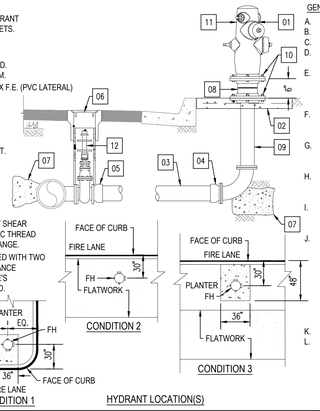






MODULAR WETLAND STRUCTURE — NTS 01

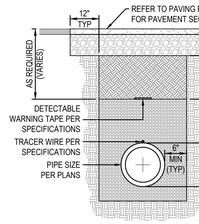
01 NON-RESIDENTIAL WET BARREL FIRE HYDRANT WITH (2) 4" AND (1) 2-1/2" FIRE HOSE OUTLETS.
02 CONSTRUCT 6" THICK CONCRETE PAD REINFORCED WITH W.W.F. 1.6 X 1.6.
03 C-900 DR-18 PVC OR DIP WHERE REQUIRED. LATERAL SIZE PER PLAN. 6 - INCH MINIMUM.
04 8" X 6" REDUCER, IF REQUIRED, WITH P.O.X F.E. (PVC LATERAL) OR M.J. X M.J. (DI LATERAL).
05 6" OR 8" F.E. X P.O. VALVE.
06 VALVE BOX PER DETAIL 09 THIS SHEET.
07 THRUST BLOCK PER DETAIL 08 THIS SHEET.
08 6" CAST IRON BREAK AWAY SPOOL WITH ONE 0.25"-V BREAK OFF GROOVE. SCORE LINE ABOVE PAD.
09 6" DUCTILE IRON RISER.
10 HEX HEAD STAINLESS STEEL BREAKAWAY SHEAR BOLTS AND NUTS (ASTM A307) WITH 3/4" NC THREAD AT FLANGE. HEX HEAD AT BOTTOM OF FLANGE.
11 BODY OF FIRE HYDRANT SHALL BE PAINTED WITH TWO COATS OF RUST-OLEUM HIGH PERFORMANCE PROTECTIVE ENAMEL PER MANUFACTURE'S RECOMMENDATIONS. PAINT COLOR IS RED.
12 KEYED GATE VALVE STEM EXTENSION.



HYDRANT LOCATION(S)

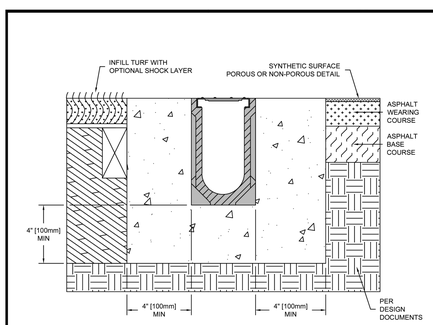
GENERAL NOTES:
A. FIRE HYDRANT SHALL BE ACCESSIBLE AND VISIBLE.
B. FIRE HYDRANT OUTLETS SHALL FACE FIRE LANE.
C. 3FT. MINIMUM CLEARANCE AROUND FIRE HYDRANT.
D. FIRE HYDRANT SHALL BE INDUSTRIAL OR COMMERCIAL RATED.
E. FIRE HYDRANT FOR INDUSTRIAL OR COMMERCIAL USE SHALL HAVE ONE 2 1/2-INCH OUTLET AND TWO 4-INCH OUTLETS. ALL OUTLETS SHALL HAVE REMOVABLE CAPS AND HAVE NATIONAL STANDARD HOSE THREADS.
F. FIRE HYDRANTS SHALL BE PROVIDED WITH 1 1/2-INCH SIZED PENTAGON-SHAPED OPERATING NUT AND 1 1/2-INCH CAP NUTS.
G. FIRE HYDRANTS SHALL BE WET-BARREL TYPE, WITH INDIVIDUAL VALVES FOR EACH OUTLET, AND SHALL CONFORM TO THE REQUIREMENTS OF AWWA C-503.
H. DUCTILE IRON BREAK-AWAY SPOOL SHALL BE BE PROVIDED FOR THE HYDRANT. THE SCORE SHALL BE PLACED ABOVE GRADE.
I. BREAK-AWAY BOLTS SHALL BE INSTALLED WITH THE THREADS TOWARDS THE TOP OF THE HYDRANT. BOLTS SHALL BE PACKED WITH CLEAR SILICON SEALANT.
J. ALL BOLTS USED FOR UNDERGROUND CONNECTIONS, INCLUDING T BOLTS, SHALL BE 316 STAINLESS STEEL. ASPHALTIC SEALANTS (AND OTHER OPAQUE SEALANTS) SHALL NOT BE USED TO COAT BOLTS AS TO ENSURE BOLTS CAN STILL BE VERIFIED AS 316 STAINLESS STEEL DURING INSPECTION. ALL FERROUS FITTINGS (WITH THE EXCEPTION OF 316 STAINLESS STEEL) SHALL BE CLEANED AND THOROUGHLY COATED WITH ASPHALT OR OTHER CORROSION RETARDING MATERIAL AFTER ASSEMBLY.
K. NO PAINT ON FIRE HYDRANT OUTLET THREADS ALLOWED.
L. A KEYED GATE VALVE SHALL BE PROVIDED FOR THE FIRE HYDRANT IN AN ACCESSIBLE LOCATION. VALVE SHALL BE LOCATED NO CLOSER THAN 5 AND NO FURTHER THAN 20 FEET FROM THE HYDRANT IN AN AREA THAT IS UNOBSTRUCTED AND CLEARLY VISIBLE. VALVES SHALL NOT BE LOCATED IN PARKING STALLS.

STANDARD PRIVATE FIRE HYDRANT — NTS 07



NOTES:
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2774, "UNDERGROUND INSTALLATION OF THERMOPLASTIC PRESSURE PIPING", LATEST EDITION.
2. 36" MINIMUM COVER REQUIRED FOR INSTALLATIONS UNDER HARDSCAPE. 30" MINIMUM COVER FOR INSTALLATIONS UNDER PLANTED AREAS.
3. IF UNSTABLE FOUNDATION SOIL IS ENCOUNTERED, THE GEOTECHNICAL FIELD INSPECTOR SHALL DETERMINE OVEREXCAVATION DEPTH AND FOUNDATION RE-FILL MATERIAL.
4. CONTRACTOR SHALL PROVIDE HAND EXCAVATED "BELL HOLE" FOR EACH PIPE JOINT SO THAT THE WEIGHT OF PIPE DOES NOT BEAR ON THE BELL. CONTRACTOR SHALL RE-FILL AND HAND-TAMP EACH "BELL HOLE" PRIOR TO COMPLETING THE PLACEMENT OF PIPE BEDDING.

PIPE TRENCH - WATER — NTS 06



NOTES:
1. IT IS NECESSARY TO ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS. *ENGINEERING ADVICE MAY BE REQUIRED.*
2. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
3. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. *ENGINEERING ADVICE MAY BE REQUIRED.*
4. REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

SPECIFICATION CLAUSE

SPORT 4000

GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE SYSTEM 4000 CHANNEL SYSTEM AS MANUFACTURED BY ACO POLYMER PRODUCTS, INC.

MATERIALS
CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS:

COMPRESSIVE STRENGTH:	14,000 PSI
FLEXURAL STRENGTH:	4,000 PSI
TENSILE STRENGTH:	1,500 PSI
WATER ABSORPTION:	0.07%
FROST PROOF	YES
DILUTE ACID AND ALKALI RESISTANT	YES
B117 SALT SPRAY TEST COMPLIANT	YES

THE SYSTEM SHALL BE 4" (100mm) NOMINAL INTERNAL WIDTH AND A 6.1" (155mm) OVERALL WIDTH. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

4002 CHANNEL : INVERT DEPTH - 4.65"
4010 CHANNEL : INVERT DEPTH - 6.54"
4020 CHANNEL : INVERT DEPTH - 8.90"
4030 CHANNEL : INVERT DEPTH - 11.26"

STANDARD ACO DRAIN GRATES AND LOCKING DEVICES ARE USED, SEE SEPARATE SPECIFICATION SHEETS FOR INFORMATION.

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO POLYMER PRODUCTS, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO POLYMER PRODUCTS, INC.

THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
REFER TO ARCHITECT'S PLANS FOR TRENCH AND CATCH BASIN LOCATION.

S4000-FECTS	SYSTEM 4000: Full Exposed Concrete, Infill Turf & Synthetic Surface	ACO Polymer Products, Inc.		
DATE: 12/04/13	INSTALLATION DRAWING - ACO SPORT	825 W. Beechcraft St Casa Grande, AZ 85122 Tel: 520-421-9988 Fax: 520-421-9899	P.O. Box 245 Chardon, OH 44024 Tel: 440-285-7000 Fax: 440-285-8517	4211 Pleasant Rd. Fort Mill, SC 29708 Tel: 800-543-4764 Fax: 803-802-1063

Arizona Tel: 888-490-9552 e-mail: sales@acousa.com Ohio Tel: 800-543-4764 www.acousa.com South Carolina Tel: 800-622-2377

TRENCH DRAIN — NTS 02

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

LPA
ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING
949-261-1001 Office
LPADesignStudios.com
5301 California Avenue, Suite 100
Irvine, California 92617

REGISTERED PROFESSIONAL ENGINEER
STEPHEREN M. SILVERMAN
R.C.E. 68369
EXP. 9-30-27
CIVIL
STATE OF CALIFORNIA

ALTADENA ARTS MAGNET SCHOOL
743 E Calaveras ST.
Altadena, CA 91001
Developed for PUSD

Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/08/2025
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

Job Number	33366
Checked By	KS
Scale	NTS

DETAILS

C7.02

ABBREVIATIONS

&	AND	GA.	GAUGE
∠	ANGLE	GALV.	GALVANIZED
@	AT	GND.	GROUND
℄	CENTERLINE	GR.	GRADE
⌀	DIAMETER OR ROUND		
#	POUND OR NUMBER	HDR	HEADER
		HT.	HEIGHT
ADJ.	ADJACENT		
AGGR.	AGGREGATE	LT.	LIGHT
AL.	ALUMINUM		
APPROX.	APPROXIMATE	MAX.	MAXIMUM
ARCH.	ARCHITECTURAL	MET.	METAL
AC.	ASPHALT	MFR.	MANUFACTURER
ACC.	ACCESSIBLE	MIN.	MINIMUM
		MTD.	MOUNTED
B.C.R.	BEGINNING OF CURVE RADIUS	MTL.	MATERIAL
B.O.C.	BACK OF CURB		
B.O.W.	BOTTOM OF WALL	N.I.C.	NOT IN CONTRACT
B.O.S.	BOTTOM OF SLOPE	N.T.S.	NOT TO SCALE
BLDG.	BUILDING		
BLK.	BLOCK	O.C.	ON CENTER
		O.D.	OUTSIDE DIAMETER (DIM.)
C.E.	CIVIL ENGINEER		
C.I.P.	CAST IN PLACE	PA.	PLANTING AREA
CLKG.	CAULKING	PED.	PEDESTRIAN
CMU.	CONCRETE MASONRY UNIT	PRCST.	PRECAST
CONC.	CONCRETE	P.I.P.	POURED IN PLACE
CONSTR.	CONSTRUCTION	P.O.T.	POINT OF TANGENCY
CONT.	CONTINUOUS	P.T.S.	POST TENSION SLAB
CTR.	CENTER		
		QTY	QUANTITY
D.A.	DISABLED ACCESS		
DET.	DETAIL	R.	RISER
DIA.	DIAMETER	RAD.	RADIUS
DIM.	DIMENSION	REINF.	REINFORCED
DN.	DOWN	REQ.	REQUIRED
DWGS.	DRAWINGS		
		SCHED.	SCHEDULE
E.J.	EXPANSION JOINT	SHT.	SHEET
EL.	ELEVATION	SPEC.	SPECIFICATION
ELEC.	ELECTRICAL	S.S.	STAINLESS STEEL
EQ.	EQUAL	STD.	STANDARD
EXP.	EXPANSION	STRL.	STRUCTURAL
EXT.	EXTERIOR		
		T.	TREAD
F.G.	FINISH GRADE	T.C.	TOP OF CURB
F.S.	FINISH SURFACE	T.O.S.	TOP OF SLOPE
F.O.B.	FACE OF BUILDING	T.O.W.	TOP OF WALL
F.O.C.	FACE OF CURB	TYP.	TYPICAL
F.O.W.	FACE OF WALL	TBD.	TO BE DETERMINED
		VEH.	VEHICULAR
		VERT.	VERTICAL
		W/	WITH
		W/O	WITHOUT

PLANTING NOTES

1. REFER TO CIVIL ENGINEER'S DRAWINGS FOR UTILITY LOCATIONS, TREE SUBDRAINAGE STUBOUTS, (IF REQUIRED), AND FINAL GRADING. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT FOR DIRECTION AS TO HOW TO PROCEED.
2. VERIFY LOCATIONS OF ALL PERTINENT EXISTING AND PROPOSED SITE IMPROVEMENTS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT THE LANDSCAPE ARCHITECT FOR INSTRUCTION PRIOR TO COMMENCING WORK.
3. EXACT LOCATIONS OF PLANT MATERIALS SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST PLANTS TO EXACT LOCATION IN FIELD.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL PLANT COUNTS AND SQUARE FOOTAGES. QUANTITIES SHOWN ON PLANS TAKE PRECEDENCE OVER WRITTEN QUANTITIES IN "PLANTING LEGEND."
5. PROVIDE MATCHING FORMS AND SIZES FOR ALL PLANT MATERIALS WITHIN EACH SPECIES AND SIZE DESIGNATED ON THE DRAWINGS.
6. PRUNE NEWLY PLANTED TREES ONLY AS DIRECTED BY LANDSCAPE ARCHITECT.
7. ALIGNED AND EQUALLY SPACED, IN ALL DIRECTIONS, ALL SHRUBS TO BE AS DESIGNATED PER THESE NOTES AND DRAWINGS.
8. ALL TREES IN ROWS TO BE ALIGNED. (UNLESS NOTED OTHERWISE ON PLANS)
9. TREES SHALL BEAR SAME RELATION TO FINISH GRADE AS AT PLACE OF GROWTH.
10. FINISH GRADES OF ALL TURF AREAS SHALL BE (1") BELOW ADJACENT CURB OR PAVEMENT. FINISH GRADES OF ALL SHRUB AREAS SHALL BE (2-1/2") BELOW ADJACENT CURB, PAVEMENT OR HEADER.
11. CONTRACTOR SHALL SUBMIT FOR APPROVAL COLOR PHOTOS OF ALL TREES, SHRUBS, AND GROUNDCOVER. PHOTOS SHOULD INCLUDE A PERSON FOR SCALE PURPOSES, PHOTOS SHALL BE OF THE ACTUAL PLANT MATERIAL TO BE USED ON THE PROJECT. ALL PLANT MATERIAL SHALL BE OF A QUALITY AS DETERMINED BY THE LANDSCAPE ARCHITECT. MATERIAL FOUND UNSUITABLE FOR THE DESIGN OR SPECIFICATION INTENT WILL BE REJECTED.
12. PROVIDE A (3") LAYER OF MULCH AT PROPOSED TREE, SHRUB, AND GROUNDCOVER PLANTING AREAS, EXCEPT AREAS WITH JUTE MESHING.
13. CONTRACTOR SHALL CONDUCT AGRICULTURAL SUITABILITY AND FERTILITY SOILS TESTING PER SOIL PREPARATION SPECIFICATION. ANALYSIS SHALL INCLUDE RECOMMENDATIONS FOR SOIL PREPARATION AND BACKFILL MIX AS WELL AS RECOMMENDATIONS FOR POST MAINTENANCE FERTILIZATION. SUBMIT SOILS ANALYSES AND SAMPLES OF AMENDMENTS TO LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO SOIL PREPARATION.
14. QUANTITIES LISTED ON PLANT LEGEND ARE PER SHEET. CONTRACTOR MUST VERIFY QUANTITIES GIVEN ON THE PLANS WITH ACTUAL QUANTITIES SHOWN.
15. PROVIDE ROOT BARRIERS IN ADDITION TO THOSE INDICATED ON THE PLANS FOR ALL TREES WITHIN 5' OF ANY HARDSCAPE.
16. NOT INSTALL WATERING BASINS AROUND TREES WHEN PLANTED IN TURF. PROVIDE A CIRCULAR TURF-FREE ZONE TO OUTSIDE EDGE OF ROOTBALL. PLACE ONLY 2-INCHES OF WOOD MULCH IN THIS AREA AND NO CLOSER THAN 4-INCHES FROM TRUNK.
17. PLANT ALL TREES A MIN. OF 5' FROM ANY UTILITIES. THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO COMMENCING WORK.
18. TREES ARE TO BE A MINIMUM OF 5' AWAY FROM ANY HARDSCAPE SUCH AS CURBS, WALKS, ETC.
19. LANDSCAPE MAINTENANCE PERIOD IS 90 DAYS.
20. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

TREE REMOVAL AND PROTECTION NOTES

1. CONTRACTOR SHALL RETAIN THE SERVICES OF AN INDEPENDENT REGISTERED CONSULTING ARBORIST.
2. THE ARBORIST SHALL PROVIDE CONTRACTOR WITH RECOMMENDATIONS AND SPECIFICATIONS AS TO THE REMOVAL OF THE EXISTING TREE.
3. ARBORIST SHALL BE ON-SITE TO OBSERVE THE REMOVAL OF TREE.
4. THE ARBORIST SHALL BE CERTIFIED WITH THE AMERICAN SOCIETY OF CONSULTING ARBORISTS OR INTERNATION SOCIETY OF ARBORICULTURE.
5. CONTRACTOR SHALL FOLLOW ALL ARBORIST RECOMMENDATIONS AND SPECIFICATIONS, UNLESS OTHERWISE DIRECTED BY CLIENT/ARCHITECT.

LANDSCAPE GRADING AND DRAINAGE NOTES

1. REFER TO CIVIL ENGINEER'S GRADING PLANS FOR SITE GRADING, DRAINAGE, AND UTILITY LOCATIONS. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT FOR DIRECTION AS TO HOW TO PROCEED.
2. REFER TO CIVIL ENGINEER'S DRAWINGS FOR SUBDRAINAGE POINT OF IN CONNECTION TO STORM DRAIN.
3. THE CONTRACTOR SHALL REQUEST OBSERVATION AS REQUIRED 48 HOURS ADVANCE OF PERFORMING WORK.
4. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA 800/227-2600) OR DIG ALERT (800-422-4133) 48 HOURS PRIOR TO ANY EXCAVATION.
5. ALL GRADING OPERATIONS SHALL CONFORM TO LOCAL GUIDELINES.
6. FIELD VERIFY EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION AND ELEVATION IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION.
7. NO CHANGE IN CONTRACT PRICE WILL BE ALLOWED FOR ACTUAL OR CLAIMED DISCREPANCY BETWEEN EXISTING GRADE AND THOSE SHOWN ON PLANS AFTER CONTRACTOR HAS ACCEPTED EXISTING GRADES AND MOVED ONTO THE SITE.
8. ALL PROPOSED GRADES ARE TO MEET AND BLEND IN WITH EXISTING GRADING AT PROJECT LIMIT AND EXISTING SIDEWALK. PRECISE ELEVATIONS INDICATED ON PLANS TO BE VERIFIED IN FIELD TO AS-BUILT CONDITION.
9. THE DEBRIS CREATED BY LANDSCAPE GRADING OPERATIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF-SITE.
10. FINAL LANDSCAPE GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION OF PLANTING.

LAYOUT AND MATERIALS NOTES

1. THE CONTRACTOR SHALL LAYOUT AND FIELD VERIFY ALL DIMENSIONS OF DRIVEWAY, PLANTERS, WALKS, SLOPES AND RELATED WORK PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE.
2. VERIFY LOCATIONS OF ALL PERTINENT EXISTING AND PROPOSED SITE IMPROVEMENTS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT THE LANDSCAPE ARCHITECT FOR INSTRUCTION PRIOR TO COMMENCING WORK.
3. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.
4. THIS DRAWING INCLUDES THE LOCATION OF AREA DRAINS FOR REFERENCE. REFER TO RELATED CIVIL ENGINEER'S DRAWINGS FOR CONSTRUCTION DETAILS AND UTILITY CONNECTIONS.
5. REFER TO ELECTRICAL ENGINEER'S DRAWINGS FOR LIGHT FIXTURE SCHEDULE AND CIRCUITRY AS NECESSARY.
6. REFER TO SOIL ENGINEER'S GEOTECHNICAL REPORT FOR SUB-BASE MATERIALS AND COMPACTION.
7. WHERE DIMENSIONS ARE CALLED AS "EQUAL", ALL REFERENCED ITEMS SHALL BE SPACED EQUALLY, MEASURED TO THEIR CENTERLINES.
8. ALL MEASUREMENTS ARE TO FACE OF WALL, CURB OR OTHER FIXED SITE IMPROVEMENT, UNLESS OTHERWISE NOTED. DIMENSIONS TO CENTERLINES AS INDICATED.
9. INSTALL ALL INTERSECTING ELEMENTS AT 90 DEGREES TO EACH OTHER UNLESS OTHERWISE NOTED.
10. ALL DRAINS/ BASINS SHOULD HAVE BLACK ATRIUM TYPE GRATES WITHIN SHRUBS/GROUNDCOVER AREAS AND BLACK FLAT TYPE GRATES IN TURF AREAS.

GENERAL NOTES

1. BASE INFORMATION INCLUDING THE LOCATION OF PROPERTY LINES, EASEMENTS, BUILDINGS, ROADS AND CURBS HAVE BEEN TAKEN FROM THE CIVIL ENGINEER'S DRAWINGS. REFER TO CIVIL ENGINEER'S DRAWINGS FOR ADDITIONAL INFORMATION.
2. REFER TO THE CIVIL ENGINEER'S DRAWINGS FOR PROPOSED UTILITY INFORMATION INCLUDING STORM DRAIN, SEWER, WATER, ELECTRICAL, GAS, TELEPHONE AND CABLE TV.
3. REFER TO CITY AND/OR COUNTY STANDARD PLANS AND SPECIFICATIONS WHERE APPLICABLE.
4. VERIFY SITE INFORMATION, INCLUDING PROPERTY LINES, EXISTING ABOVE GROUND AND BELOW GROUND UTILITIES AND STRUCTURES, AND OTHER INFORMATION AFFECTING THE SCOPE OF WORK INCLUDED ON THESE DRAWINGS. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE AND THE LANDSCAPE ARCHITECT FOR DIRECTION ON HOW TO PROCEED.
5. EXCAVATION IN THE VICINITY OF UTILITIES AND EXISTING MATERIALS SHALL BE UNDERTAKEN WITH CARE. THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK. ANY DAMAGE CAUSED BY ANY PERSON, VEHICLE, EQUIPMENT, OR TOOL RELATED TO THE EXECUTION OF THE CONTRACT SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION REQUIRED TO ACCOMPLISH ALL CONSTRUCTION OPERATIONS. ALL PIPING, CONDUIT, SLEEVES, ETC., SHALL BE SET IN PLACE PRIOR TO INSTALLATION OF CONSTRUCTION ITEMS.
7. CONTRACTOR SHALL BE RESPONSIBLE TO CONSULT WITH SITE SUPERINTENDENT, APPROPRIATE AGENCIES AND PLANS, FOR THE LOCATIONS OF ALL UNDER-GROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF SAID UTILITIES.
8. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS, AREA DISCREPANCIES AND/OR GRADE 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. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATIONS.
9. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING MATERIALS THAT ARE DAMAGED DURING CONSTRUCTION.
10. PRIOR TO INSTALLATION OF ANY CONSTRUCTION ITEM, FORMS WITH STEEL IN PLACE AND COMPACTED SUBGRADE COMPLETE, SHALL BE OBSERVED AND REVIEWED BY THE LANDSCAPE ARCHITECT.
11. ALL WALLS AND WALKS SHOULD HAVE SMOOTH, CONTINUOUS CURVES AS INDICATED ON PLANS.
12. ALL PROPERTY LINES, LOT LINES, AND TOP OF SLOPE LINES SHALL BE VERIFIED PRIOR TO COMMENCING WORK.
13. ALL ELECTRICAL JUNCTION BOXES FOR LIGHTS SHALL BE IN PLANTING AREAS AND LOCATION REVIEWED BY THE LANDSCAPE ARCHITECT. STAKE LOCATION PRIOR TO INSTALLATION.
14. SEE CIVIL ENGINEER'S DRAWINGS FOR CURBS AND A/C PAVING.
15. REFER TO CIVIL ENGINEER'S DRAWINGS FOR ELEVATIONS AND LOCATION OF DRAINAGE STRUCTURES PRIOR TO INSTALLATION OF WALKS, FOOTINGS AND OTHER STRUCTURES.
16. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION. IF NOTES ON THE PLANS DIFFER FROM THE GEOTECHNICAL REPORT, PROVIDE THE MOST STRINGENT REQUIREMENT.
17. RAISE ALL VAULTS/UTILITIES BOXES TO GRADE WITHIN LIMITS OF WORK. FIELD VERIFY PRIOR TO BID.

MWELO REQUIREMENTS

A.	WATER EFFICIENT LANDSCAPE WORKSHEET; HYDROZONE INFORMATION TABLE, WATER BUDGET CALCULATIONS	SHEET L6.03
B.	LANDSCAPE DESIGN PLAN	SHEET L7.01
C.	IRRIGATION DESIGN PLAN	SHEET L6.01

LANDSCAPE MAINTENANCE STATEMENT

1. ALL LANDSCAPE IMPROVEMENTS WILL BE MAINTAINED BY PROPERTY OWNER.

SPORTS EQUIPMENT LEGEND

SYM.	DESC.	MANUF.	MODEL #	COLOR	FINISH/PTRN.	DET.	QTY.
	NATURAL TURF SURFACING	DELTA BLUEGRASS	TIFTUF; 3/4"BIG ROLL SOD	GREEN	-	06/ L5.05	11,948.46 SQ. FT.
	BASKETBALL (FAN SHAPED) BACKBOARD / POLE WITH GOAL/NET	LA STEELCRAFT	POST: LA-1256PC BACKBOARD: 11X GOAL/NET: HD600	ALUMINUM BACKBOARD	GALV.	01/ L5.05	POST: 4 BACK-BOARD: 4 GOAL/ NET: 4

BOULDER LEGEND

SYM.	DESC.	MANUF.	COLOR	QTY.	TYP. DET.
G	1' DIAMETER	SOUTHWEST BOULDERS	NAVAJO	32	12/L5.01
E	1.5' DIAMETER	SOUTHWEST BOULDERS	NAVAJO	24	12/L5.01
D	2' DIAMETER	SOUTHWEST BOULDERS	NAVAJO	22	12/L5.01
C	2.5' DIAMETER	SOUTHWEST BOULDERS	NAVAJO	5	12/L5.01
B	3' DIAMETER	SOUTHWEST BOULDERS	NAVAJO	180	12/L5.01
A	3.5' DIAMETER	SOUTHWEST BOULDERS	NAVAJO	46	12/L5.01
H	5' DIAMETER	SOUTHWEST BOULDERS	NAVAJO	1	12/L5.01
	2.5'X3.5'X18" BOULDER TERRACED WALL	SOUTHWEST BOULDERS	ECRU BENCH BOULDERS	AS REQ'D	02/L5.04
B	BOULDER RETAINING WALL	SOUTHWEST BOULDERS	NAVAJO	AS REQ'D	16/L5.04

NOTE:
1. BOULDER FINAL LOCATION SHALL BE VERIFIED IN THE FIELD BY LANDSCAPE ARCHITECT.
2. LANDSCARE ARCHITECT SHALL BE NOTIFIED ONE (1) WEEK PRIOR TO INSTALLATION

SHEET INDEX

L0.01 LANDSCAPE NOTES AND SCHEDULES

L1.01 MATERIALS PLAN

L2.01 LAYOUT PLAN

L3.01 SITE MATERIALS AND LAYOUT ENLARGEMENT PLAN

L4.01 SITE SECTIONS AND ELEVATIONS
L4.02 SITE SECTIONS AND ELEVATIONS
L4.03 SITE SECTIONS AND ELEVATIONS

L5.01 CONSTRUCTION DETAILS
L5.02 CONSTRUCTION DETAILS
L5.03 CONSTRUCTION DETAILS
L5.04 CONSTRUCTION DETAILS
L5.05 CONSTRUCTION DETAILS

L6.01 IRRIGATION PLANS
L6.02 IRRIGATION LEGEND AND NOTES
L6.03 IRRIGATION DETAILS

L7.01 PLANTING PLAN
L7.02 PLANTING DETAILS

L8.01 STRIPING PLAN

PE1.01 PLAY EUIPMENT PLAN

GENERAL SCOPE OF WORK

1. SITEWORK INCLUDING CONCRETE HARDSCAPE
2. CONCRETE RETAINING WALLS
3. TUBULAR STEEL FENCING AND ASSOCIATED GATES
4. LIGHT POLES
5. PLANTING AND IRRIGATION
6. NATURAL TURF SURFACING
7. ATHLETIC FIELD IMPROVEMENTS

SITE FURNISHINGS LEGEND

SYM.	DESCRIPTION	MFR.	MODEL #	COLOR	FIN/ PTRN	QTY.	DET
	WOODEN BOAT (OFOI)	CUSTOM	CUSTOM	PER MANUF.	SANDED + STAINED/ 40 GRIT	3	04/ L5.04
	WOODEN PLANKS (OFOI)	ANGEL CITY LUMBER	LOG BENCH (ROUND)	BLUE GUM EUCALYPTUS	SANDED + STAINED/ 40 GRIT	14	03/ L5.04
	WOODEN LOGS (OFOI)	ANGEL CITY LUMBER	CUSTOM	FOREST PONDEROSA / JEFFREY PINE	SANDED + STAINED/ 40 GRIT	45	08/ L5.04
	WOOD WALKING LOGS (OFOI)	ANGEL CITY LUMBER	CUSTOM	CEDAR REDWOOD	SANDED + STAINED/ 40 GRIT	(2) UNITS 11 LOGS PER UNIT	PER MANUF.
	DRINKING FOUNTAIN	ELKAY	LK4430BF1U	BLUE	PER MANUF.	1	05/ L5.05
	SEAL SCULPTURE (OFOI)	LISSY BOESEN DESIGN	0145	GREY RAL-7047	COLOUR PIGMENT	3	PER MANUF.
	SEAL SCULPTURE (OFOI)	LISSY BOESEN DESIGN	0145	SAND RAL-7047	COLOUR PIGMENT	2	PER MANUF.
	LAYING CAT SCULPTURE (OFOI)	LISSY BOESEN DESIGN	8831	ORANGE RAL-2008	COLOUR PIGMENT	2	PER MANUF.
	SITTING CAT SCULPTURE (OFOI)	LISSY BOESEN DESIGN	8832	ORANGE RAL-2008	COLOUR PIGMENT	1	PER MANUF.

PLAY EQUIPMENT LEGEND

SYM.	DESCRIPTION	MFR.	MODEL #	COLOR	FIN/ PTRN	QTY.	DET
	DOUBLE BAY SWING SET	EARTHSCAPE	DOUBLE BAY SWING - BELT + BASKET	POSTS: ALASKAN CEDAR SWING: BLACK	POSTS: WOOD SWING: FABRIC	3 POSTS; 3 SWINGS	PER MANUF.
	INCLINED MONKEY BARS - HIGH	EARTHSCAPE	INCLINED MONKEY BARS - HIGH	POSTS: BLACK LOCUST WOOD BARS: GRAY	POSTS: WOOD BARS: STAIN-LESS STEEL	4 POSTS; 1 SET OF BARS	PER MANUF.
	SINGLE HAMMOCK W/ FLEXFORM BASE	EARTHSCAPE	SINGLE HAMMOCK - SMALL	POSTS: BLACK LOCUST WOOD BARS HAMMOCK: BLACK FLEXFORM RUBBER HAMMOCK	POSTS: WOOD HAMMOCK: FLEXFORM	4 POSTS; 2 HAMMOCKS	PER MANUF.
	GIANT ROPE SWING	EARTHSCAPE	GIANT ROPE SWING	POSTS: HAND-PROCESSED ROBINIA PSEUDOACADIA SWING: ROPE	POSTS: WOOD SWING: ROPE	8 POSTS; 1 SWING	PER MANUF.
	ROPE CLIMBER	EARTHSCAPE	SPIDERWEB	POSTS: BLACK LOCUST ROPE: NYLON-WRAPPED STEEL CORE	POSTS: WOOD SWING: ROPE	2 POSTS	PER MANUF.
	STRAIGHT SLIDE	UPC PARKS	4' WIDE SLIDE W/ ADA TRANSFER PLATFORM	SLIDE: SHASTA WHITE RAIL: BEIGE	SLIDE: SMOOTH CONCRETE RAIL: POWDERCOATED	2	PER MANUF.

SITE LIGHTING LEGEND

SYM.	DESCRIPTION	DET/ SHT	COMMENTS
	SINGLE HEAD LIGHT POLE	11/ L5.05	PER ELEC
	SINGLE HEAD LIGHT POLE IN PARKING LOT	10/ L5.05	PER ELEC
	DOUBLE HEAD LIGHT POLE	11/ L5.05	PER ELEC
	THREE-HEAD EVENT POLE	11/ L5.05	PER ELEC
	FOUR-HEAD EVENT POLE	11/ L5.05	PER ELEC

NOTE: SEE ELECTRICAL PLANS FOR FIXTURES, LAMPS, AND SPECS.

MATERIALS KEYNOTE LEGEND

NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
01	CONCRETE PAVING	01/ L5.01	NATURAL GREY/ TOPCAST 05
02	CONCRETE FLUSH CURB	09/ L5.01	NATURAL GREY/ MEDIUM BROOM
03	COBBLESTONE FLUSH CURB	24/ L5.01	ANTIQUE COBBLESTONES BY BOURGET BROS
04	DETECTABLE WARNING PAVERS	17/ L5.01	FEDERAL YELLOW
05	TILE PAVING - CLAY (OFOI)	- -	-
06	TILE PAVING - MOSAIC (OFOI)	- -	-
07	CONCRETE PAVING - TYPE 2	01/ L5.01	SANTA FE/ SMOOTH
08	DECOMPOSTED GRANITE PAVING	10/ L5.01	PALM SPRINGS GOLD BY SOUTHWEST BOULDER
09	ROCK MULCH	11/ L5.01	SALMON BAY BY KRC ROCK
10	DRY CREEK	11/ L5.04	SALMON BAY BY KRC ROCK
11	SAND	11/ L5.01	
12	BARK MULCH	PER SPECS	MEDIUM DECORATIVE BARK BY KRC ROCK
13	ENGINEERED WOOD FIBER	14/ L5.01	FIBARSYSTEM 300 BY FIBAR
14	ALUMINUM EDGING	16/ L5.01	BLACK BY PERMALOC
15	BOULDER	12/ L5.01	REFER TO BOULDER LEGEND ON L0.01
16	CONCRETE STAIR	10/ L5.02	NATURAL GREY/ TOPCAST 05
17	CONCRETE RAMP	01/ L5.01	NATURAL GREY/ TOPCAST 05
18	CONCRETE RETAINING WALL	01/ L5.02	NATURAL GREY/ TOPCAST 05
19	STONE VENEER SEATWALL	14/ L5.03	COLOR: TAN/ CAP: BLASTED/ VENEER: SPLITED FACE
20	CONCRETE CHEEK WALL AT STAIR	09/ L5.02	NATURAL GREY/ TOPCAST 05
21	HANDRAIL AT STAIR	11/ L5.02	GALVANIZED
22	HANDRAIL AT RAMP	12/ L5.02	GALVANIZED
23	CONCRETE PAVING - TYPE 3	01 L5.01	ADOBE WOOD STAMPED
24	TUBE STEEL FENCE	01/ L5.03	AMERISTAR, BLACK/ POWDERCOAT
25	TUBE STEEL PEDESTRIAN SINGLE SWING GATE	02/ L5.03	AMERISTAR, BLACK/ POWDERCOAT
26	TUBE STEEL VEHICULAR GATE	03/ L5.03	AMERISTAR, BLACK/ POWDERCOAT
27	WOODEN BRIDGE	09/ L5.04	CEDAR REDWOOD
28	BOULDER TERRACED WALL	02/ L5.04	REFER TO BOULDER LEGEND ON L0.01
29	PLAY STRIPING	- -	COLOR TBD/ STREETBOND
30	PLAY EQUIPMENT	- -	REFER TO PLAYGROUND EQUIP. LEGEND IN L0.01
31	SITE LIGHTING	- -	REFER TO SITE LIGHTING LEGEND IN L0.01
32	BOULDER RETAINING WALL	16/ L5.04	REFER TO BOULDER LEGEND ON L0.01
33	CONCRETE FLUSH CURB AT FENCE	08/ L5.01	NATURAL GREY/ MEDIUM BROOM
34	SITE FURNITURE	- -	REFER TO SITE FURNISHINGS LEGEND IN L0.01
35	STONE TURTLE	01/ L5.04	REFER TO BOULDER LEGEND LEGEND IN L0.01
36	BOULDER SNAKE	22/ L5.04	REFER TO BOULDER LEGEND LEGEND IN L0.01
37	COBBLE STONE EDGE	24/ L5.01	

ATHLETIC FIELD KEYNOTE LEGEND

NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
B01	NATURAL TURF SYSTEM	06/ L5.05	REFER TO SPORTS EQUIP. LEGEND ON L0.01
B02	BASKETBALL GOAL	01/ L5.05	REFER TO SPORTS EQUIP. LEGEND ON L0.01
B03	BASKETBALL COURT STRIPING	02/ L5.05	COLOR TBD/ STREETBOND
B04	KICKBALL COURT STRIPING	17/ L5.05	COLOR TBD/ STREETBOND

REFERENCE KEYNOTE LEGEND

NOTE	DESCRIPTION	DET/ SHT	COMMENTS
A	EXISTING PAVING		PROTECT IN PLACE
B	EXISTING CURB		PROTECT IN PLACE
C	EXISTING GUTTER		PROTECT IN PLACE
D	EXISTING WALL		PROTECT IN PLACE
E	EXISTING FENCE/GATE		PROTECT IN PLACE
F	EXISTING UTILITY		PROTECT IN PLACE
G	A.C. PAVING	PER CIVIL	DURASHIELD ON ALL A.C. PAVED SURFACES
H	CURB AND GUTTER	PER CIVIL	
J	CURB RAMP	PER CIVIL	
K	PAVEMENT STRIPING	PER CIVIL	
L	WHEEL STOP	PER CIVIL	
M	ADA SIGNAGE	PER CIVIL	
N	EV CHARGER	PER CIVIL	
P	PV CANOPY	PER OTHER	
Q	PAVILION	PER OTHER	
R	BIOFILTRATION SYSTEM	PER CIVIL	
S	TRENCH DRAIN	PER CIVIL	
T	EXISTING RAILING		PROTECT IN PLACE
U	EXISTING BUILDING COLUMN		PROTECT IN PLACE
W	DRIVEWAY	PER CIVIL	

SITE SYMBOLS LEGEND

SYM.	DESCRIPTION	SYM.	DESCRIPTION	DET.
	DIRECTION OF RAMP; DOWN SLOPE		SAWCUT JOINT	02/ L5.01
+	EXISTING TREE PROTECT IN PLACE		MATCHLINE	
PA	PLANTING AREA		PROPERTY LINE/ RIGHT OF WAY	

NOTE: UTILITIES SHOWN ARE FOR REFERENCE ONLY. SEE CIVIL AND ELEC DWGS FOR DETAILS AND EXACT LOCATIONS. FINAL LOCATIONS TO BE REVIEWED BY LANDSCAPE ARCHITECT.

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REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

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ALTADENA ARTS MAGNET SCHOOL
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ALTADENA, CA 91001
Developed for
PASADENA UNIFIED SCHOOL DISTRICT

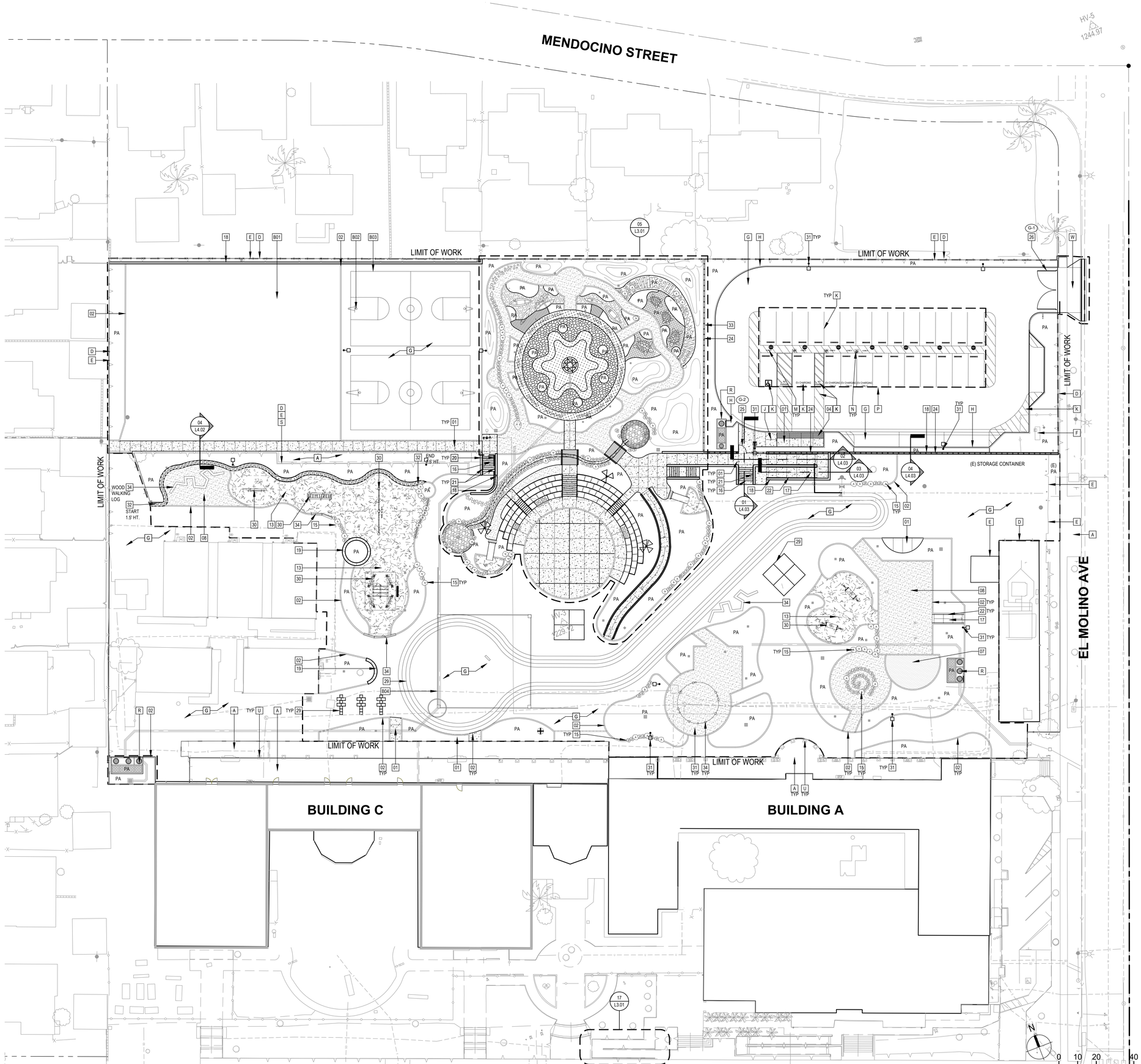
Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/05/2025
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

Job Number	33366
Checked By	AG /SC
Scale	AS NOTED

LANDSCAPE NOTES AND LEGENDS

L0.01



MATERIALS PLAN 1" = 20' 05

MATERIALS KEYNOTE LEGEND

NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
01	CONCRETE PAVING	01/ LS.01	NATURAL GREY/ TOPCAST 05
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04	DETECTABLE WARNING PAVERS	17/ LS.01	FEDERAL YELLOW
05	TILE PAVING - CLAY (OFOI)	- -	-
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10	DRY CREEK	11/ LS.04	SALMON BAY BY KRC ROCK
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12	BARK MULCH	PER SPECS	MEDIUM DECORATIVE BARK BY KRC ROCK
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29	PLAY STRIPING	- -	COLOR TBD/ STREETBOND
30	PLAY EQUIPMENT	- -	REFER TO PLAYGROUND EQUIP. LEGEND IN L0.01
31	SITE LIGHTING	- -	REFER TO SITE LIGHTING LEGEND IN L0.01
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37	COBBLE STONE EDGE	24/ LS.01	

ATHLETIC FIELD KEYNOTE LEGEND

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REFERENCE KEYNOTE LEGEND

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L	WHEEL STOP	PER CIVIL	
M	ADA SIGNAGE	PER CIVIL	
N	EV CHARGER	PER CIVIL	
P	PV CANOPY	PER OTHER	
Q	PAVILION	PER OTHER	
R	BIOFILTRATION SYSTEM	PER CIVIL	
S	TRENCH DRAIN	PER CIVIL	
T	EXISTING RAILING		PROTECT IN PLACE
U	EXISTING BUILDING COLUMN		PROTECT IN PLACE
W	DRIVEWAY	PER CIVIL	

SITE SYMBOLS LEGEND

SYM.	DESCRIPTION	SYM.	DESCRIPTION	DET.
←	DIRECTION OF RAMP; DOWN SLOPE	——	SAWCUT JOINT	02/ L5.01
+	EXISTING TREE PROTECT IN PLACE	– –	MATCHLINE	
PA	PLANTING AREA	——	PROPERTY LINE/ RIGHT OF WAY	

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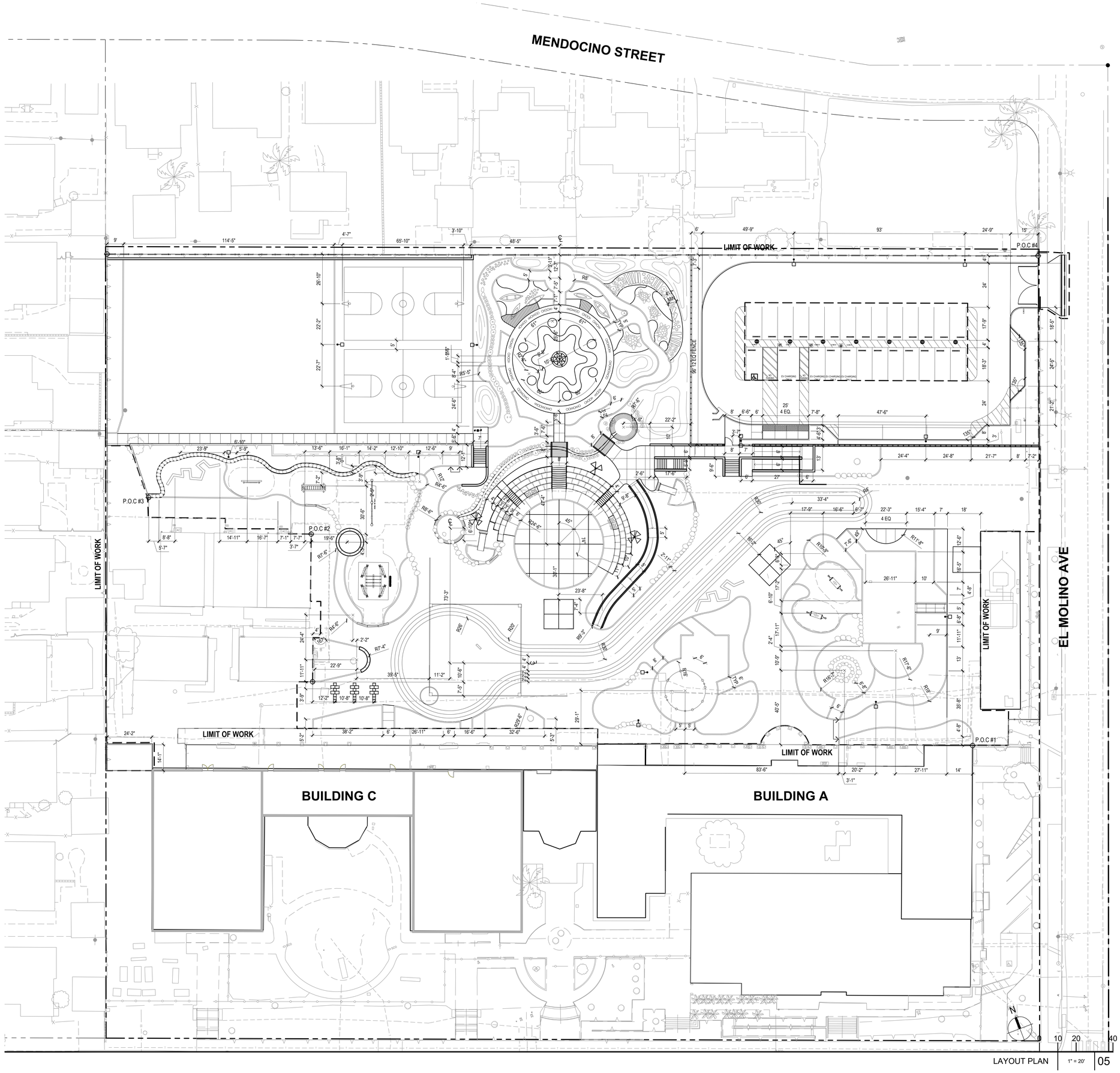
MATERIALS PLAN

L1.01



LAYOUT PLAN 1" = 20' 05

ADDITIONAL LAYOUT NOTES

1. SEE SHEET L0.01 GENERAL NOTES FOR ADDITIONAL LAYOUT INFORMATION.
2. PLAN MEASUREMENTS ARE TO FACE OF WALL, CURB, OR OTHER FIXED SITE IMPROVEMENT, UNLESS NOTED OTHERWISE ON PLANS.
3. LAYOUT OF SITE IMPROVEMENTS, THE NEW BUILDINGS, SHALL BE A CONTINUATION OF EXISTING CONDITIONS LAYOUT. ALL EXISTING CONDITION ALIGNMENTS SHALL BE FOLLOWED FOR THIS SCOPE. CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCY BETWEEN EXISTING ALIGNMENTS AND THESE PLANS PRIOR TO SHOP DRAWING SUBMITTAL AND CONSTRUCTION.

LAYOUT SYMBOL LEGEND

- POINT OF BEGINNING (P.O.B.)
- ALIGN
- CENTER LINE
- BASELINE

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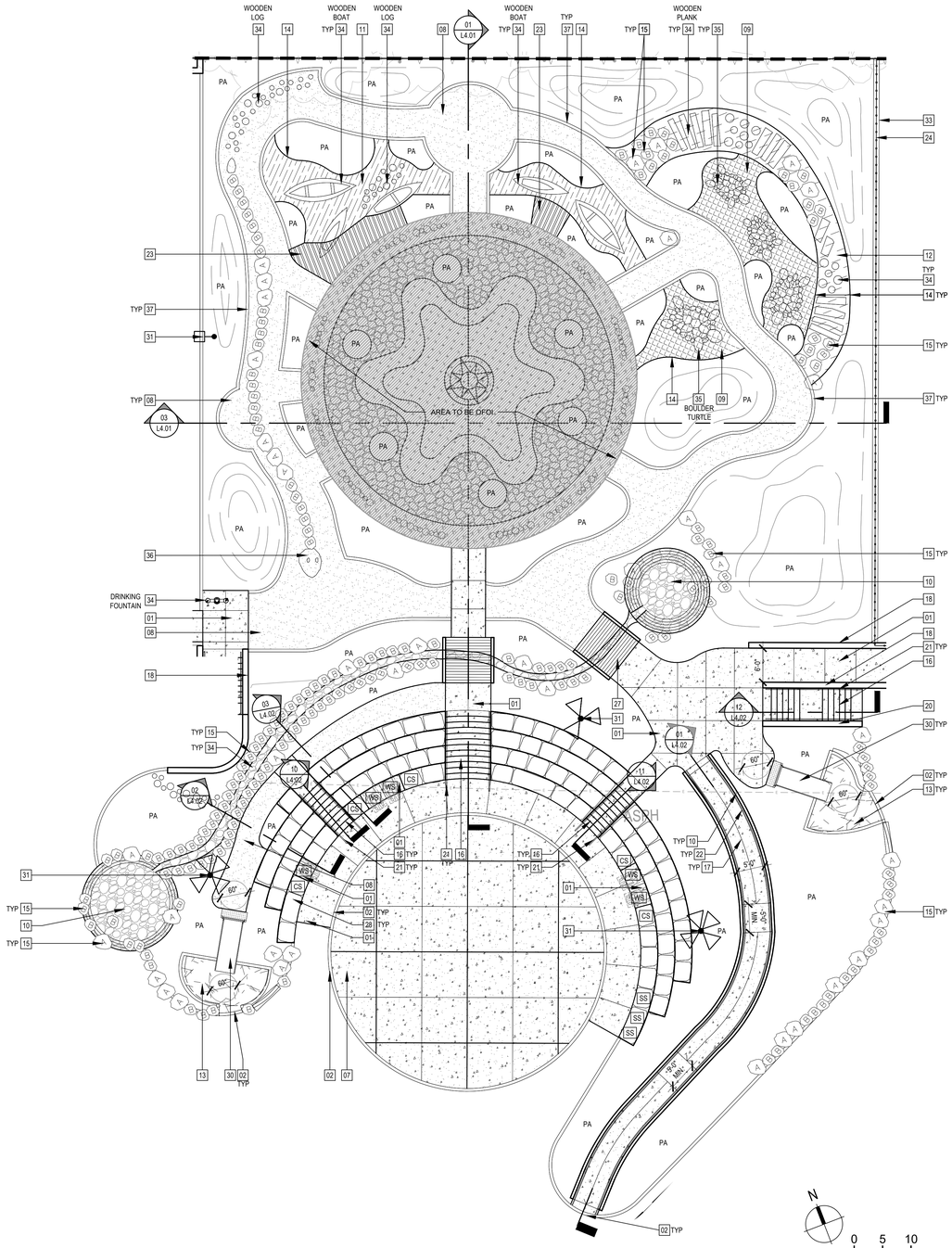
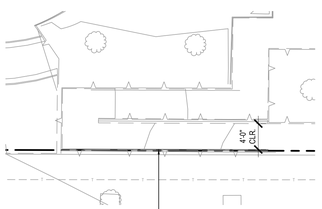
LAYOUT PLAN

L2.01

WHEELCHAIR SEATING REQUIREMENTS		
	# OF SEATS	212
WS	WHEEL CHAIR SEATS (REQ SPACES / PROVIDED SPACES)	5 / 5
CS	COMPANION SEATS (REQ SPACES / PROVIDED SPACES)	5 / 5
	DESIGNATED AISLE SEATS (REQ SPACES / PROVIDED SPACES)	NOT APPLIED
SS	SEMI-AMBULATORY SEATS (REQ SPACES / PROVIDED SPACES)	3 / 3





CUT EXISTING HANDRAIL AT THE CONNECTION TO THE GUARDRAIL POSTS.
SHORTEN THE ATTACHMENT ARM BY 2" AND WELD THE HANDRAIL BACK TO THE GUARDRAIL POSTS.

FRONT ENTRY RAMP MATERIALS ENLAGEMENT PLAN 1" = 10' 17

FRONT ENTRY RAMP MATERIALS ENLAGEMENT PLAN 1" = 10' 05

MATERIALS KEYNOTE LEGEND

NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
01	CONCRETE PAVING	01/ L5.01	NATURAL GREY/ TOPCAST 05
02	CONCRETE FLUSH CURB	09/ L5.01	NATURAL GREY/ MEDIUM BROOM
03	COBBLESTONE FLUSH CURB	24/ L5.01	ANTIQUE COBBLESTONES BY BOURGET BROS
04	DETECTABLE WARNING PAVERS	17/ L5.01	FEDERAL YELLOW
05	TILE PAVING - CLAY (OFOI)	- -	"
06	TILE PAVING - MOSAIC (OFOI)	- -	"
07	CONCRETE PAVING - TYPE 2	01/ L5.01	SANTA FE/ SMOOTH
08	DECOMPOSTED GRANITE PAVING	10/ L5.01	PALM SPRINGS GOLD BY SOUTHWEST BOULDER
09	ROCK MULCH	11/ L5.01	SALMON BAY BY KRC ROCK
10	DRY CREEK	11/ L5.04	SALMON BAY BY KRC ROCK
11	SAND	11/ L5.01	
12	BARK MULCH	PER SPECS	MEDIUM DECORATIVE BARK BY KRC ROCK
13	ENGINEERED WOOD FIBER	14/ L5.01	FIBARSYSTEM 300 BY FIBAR
14	ALUMINUM EDGING	16/ L5.01	BLACK BY PERMALOC
15	BOULDER	12/ L5.01	REFER TO BOULDER LEGEND ON L0.01
16	CONCRETE STAIR	10/ L5.02	NATURAL GREY/ TOPCAST 05
17	CONCRETE RAMP	01/ L5.01	NATURAL GREY/ TOPCAST 05
18	CONCRETE RETAINING WALL	01/ L5.02	NATURAL GREY/ TOPCAST 05
19	STONE VENEER SEATWALL	14/ L5.03	COLOR: TAN/ CAP: BLASTED/ VENEER: SPLITED FACE
20	CONCRETE CHEEK WALL AT STAIR	09/ L5.02	NATURAL GREY/ TOPCAST 05
21	HANDRAIL AT STAIR	11/ L5.02	GALVANIZED
22	HANDRAIL AT RAMP	12/ L5.02	GALVANIZED
23	CONCRETE PAVING - TYPE 3	01 L5.01	ADOBE WOOD STAMPED
24	TUBE STEEL FENCE	01/ L5.03	AMERISTAR, BLACK/ POWDERCOAT
25	TUBE STEEL PEDESTRIAN SINGLE SWING GATE	02/ L5.03	AMERISTAR, BLACK/ POWDERCOAT
26	TUBE STEEL VEHICULAR GATE	03/ L5.03	AMERISTAR, BLACK/ POWDERCOAT
27	WOODEN BRIDGE	09/ L5.04	CEDAR REDWOOD
28	BOULDER TERRACED WALL	02/ L5.04	REFER TO BOULDER LEGEND ON L0.01
29	PLAY STRIPING	- -	COLOR TBD/ STREETBOND
30	PLAY EQUIPMENT	- -	REFER TO PLAYGROUND EQUIP. LEGEND IN L0.01
31	SITE LIGHTING	- -	REFER TO SITE LIGHTING LEGEND IN L0.01
32	BOULDER RETAINING WALL	16/ L5.04	REFER TO BOULDER LEGEND ON L0.01
33	CONCRETE FLUSH CURB AT FENCE	08/ L5.01	NATURAL GREY/ MEDIUM BROOM
34	SITE FURNITURE	- -	REFER TO SITE FURNISHINGS LEGEND IN L0.01
35	STONE TURTLE	01/ L5.04	REFER TO BOULDER LEGEND LEGEND IN L0.01
36	BOULDER SNAKE	22/ L5.04	REFER TO BOULDER LEGEND LEGEND IN L0.01
37	COBBLE STONE EDGE	24/ L5.01	

ATHLETIC FIELD KEYNOTE LEGEND

NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
B01	NATURAL TURF SYSTEM	06/ L5.05	REFER TO SPORTS EQUIP. LEGEND ON L0.01
B02	BASKETBALL GOAL	01/ L5.05	REFER TO SPORTS EQUIP. LEGEND ON L0.01
B03	BASKETBALL COURT STRIPING	02/ L5.05	COLOR TBD/ STREETBOND
B04	KICKBALL COURT STRIPING	17/ L5.05	COLOR TBD/ STREETBOND

REFERENCE KEYNOTE LEGEND

NOTE	DESCRIPTION	DET/ SHT	COMMENTS
A	EXISTING PAVING		PROTECT IN PLACE
B	EXISTING CURB		PROTECT IN PLACE
C	EXISTING GUTTER		PROTECT IN PLACE
D	EXISTING WALL		PROTECT IN PLACE
E	EXISTING FENCE/GATE		PROTECT IN PLACE
F	EXISTING UTILITY		PROTECT IN PLACE
G	A.C. PAVING	PER CIVIL	DURASHIELD ON ALL A.C. PAVED SURFACES
H	CURB AND GUTTER	PER CIVIL	
J	CURB RAMP	PER CIVIL	
K	PAVEMENT STRIPING	PER CIVIL	
L	WHEEL STOP	PER CIVIL	
M	ADA SIGNAGE	PER CIVIL	
N	EV CHARGER	PER CIVIL	
P	PV CANOPY	PER OTHER	
Q	PAVILION	PER OTHER	
R	BIOFILTRATION SYSTEM	PER CIVIL	
S	TRENCH DRAIN	PER CIVIL	
T	EXISTING RAILING		PROTECT IN PLACE
U	EXISTING BUILDING COLUMN		PROTECT IN PLACE
W	DRIVEWAY	PER CIVIL	

SITE SYMBOLS LEGEND

SYM.	DESCRIPTION	SYM.	DESCRIPTION	DET.
	DIRECTION OF RAMP; DOWN SLOPE		SAWCUT JOINT	02/ L5.01
+	EXISTING TREE PROTECT IN PLACE		MATCHLINE	
PA	PLANTING AREA		PROPERTY LINE/ RIGHT OF WAY	

NOTE: UTILITIES SHOWN ARE FOR REFERENCE ONLY. SEE CIVIL AND ELEC DWGS FOR DETAILS AND EXACT LOCATIONS. FINAL LOCATIONS TO BE REVIEWED BY LANDSCAPE ARCHITECT.

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LANDSCAPE ARCHITECTURE PLANNING
949-261-1001 Office
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5301 California Avenue, Suite 100
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ALTADENA ARTS MAGNET SCHOOL
743 E CALAVERAS ST.
ALTADENA, CA 91001
Developed for
PASADENA UNIFIED SCHOOL DISTRICT

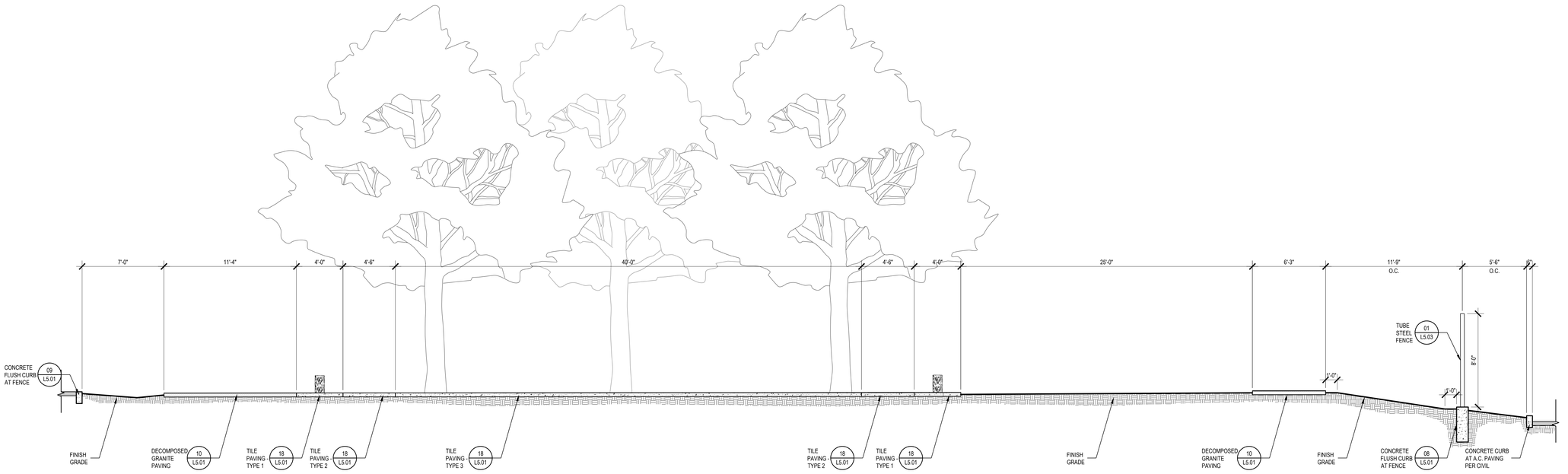
Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/05/2025
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

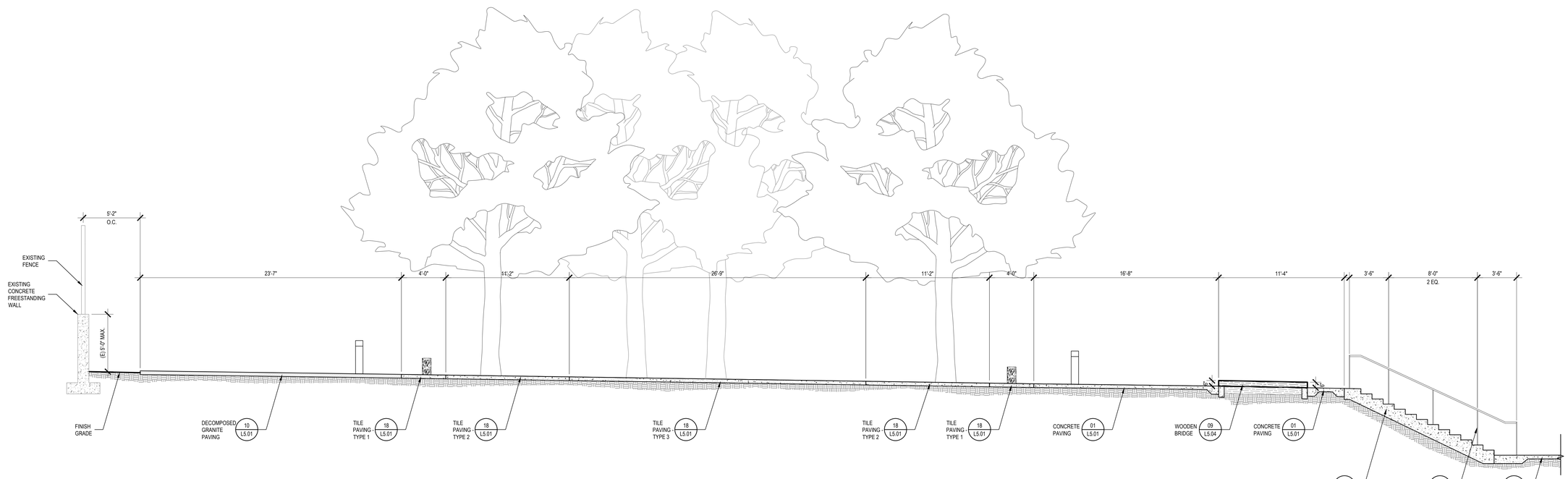
Job Number	33366
Checked By	AG /SC
Scale	1" = 10'

SITE MATERIALS ENLARGEMENT PLAN

L3.01



CLEARING MATERIALS SECTION | 1/4" = 1'-0" L3.01 | 03



CLEARING MATERIALS SECTION | 1/4" = 1'-0" L3.01 | 01

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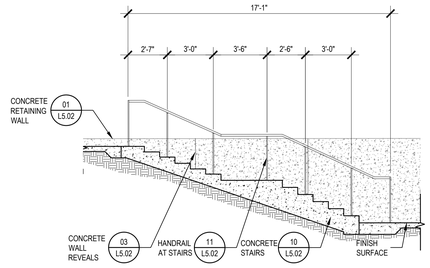
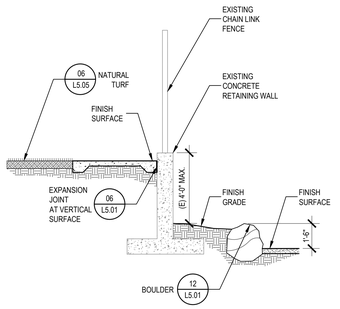
SITE SECTIONS AND ELEVATIONS

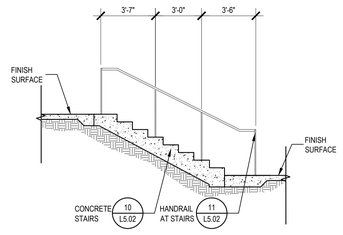
L4.01



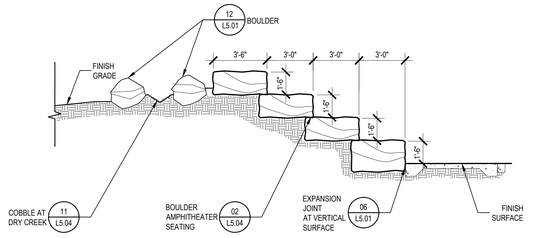
CONCRETE STAIRS + HANDRAIL SECTION | 1/4" = 1'-0" L1.01 | 12



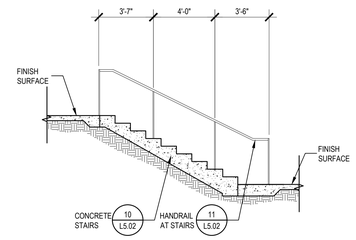
SECTION | 1/4" = 1'-0" L1.01 | 04



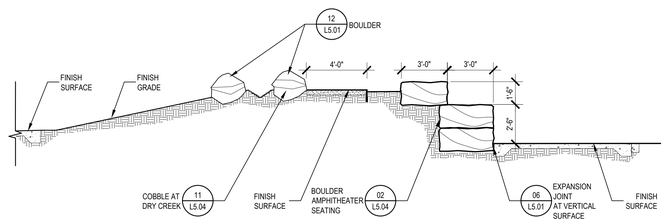
CONCRETE STAIRS + HANDRAIL SECTION | 1/4" = 1'-0" L3.01 | 11



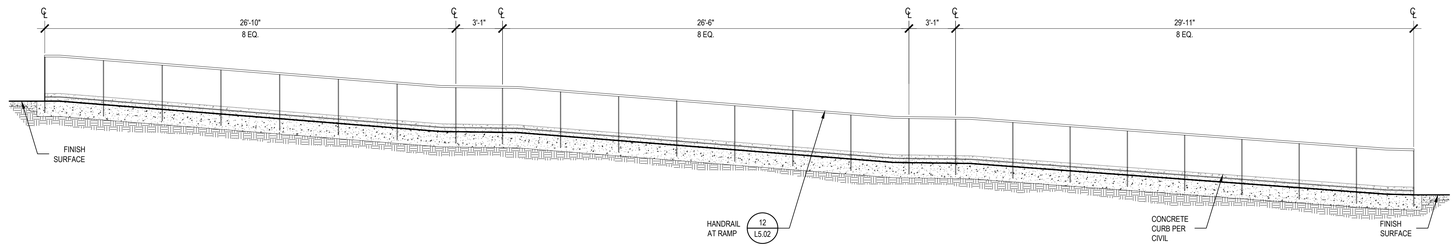
BOULDER AMPHITHEATER SEATING AND DRY CREEK - SECTION | 1/4" = 1'-0" L3.01 | 03



CONCRETE STAIRS + HANDRAIL SECTION | 1/4" = 1'-0" L3.01 | 10



BOULDER AMPHITHEATER SEATING AND DRY CREEK - SECTION | 1/4" = 1'-0" L3.01 | 02



CONCRETE RAMP BY AMPHITHEATER | 1/4" = 1'-0" L1.01 | 01

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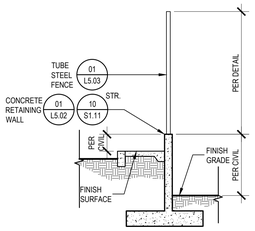
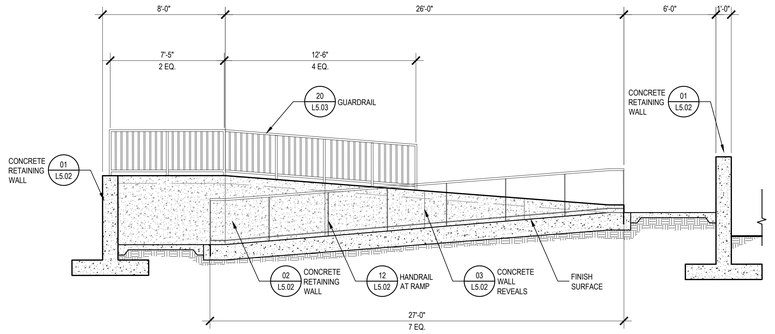
SITE SECTIONS AND ELEVATIONS

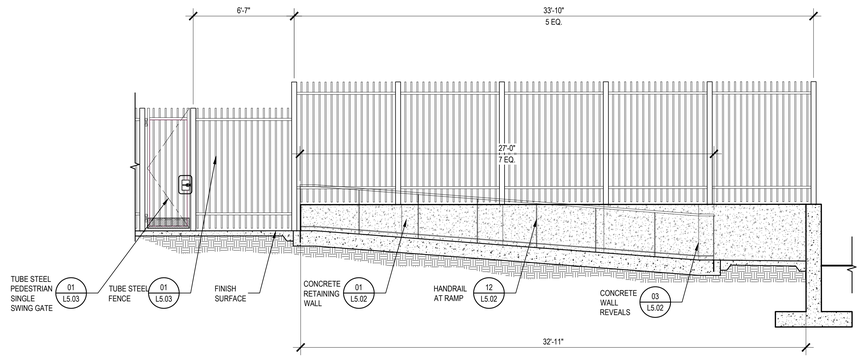
L4.02



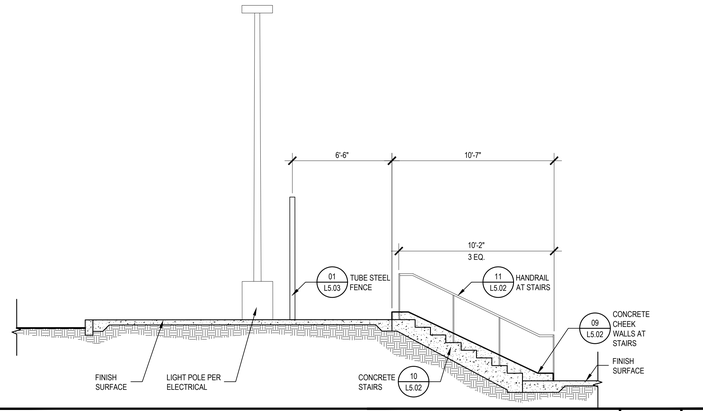
CONCRETE RETAINING WALL SECTION | 1/4" = 1'-0" | L1.01 | 04



CONCRETE RAMP AND HANDRAIL SECTION AND ELEVATION | 1/4" = 1'-0" | L1.01 | 03



CONCRETE RAMP AND HANDRAIL SECTION AND ELEVATION | 1/4" = 1'-0" | L1.01 | 02



CONCRETE WALK AND STAIRS SECTION | 1/4" = 1'-0" | L1.01 | 01

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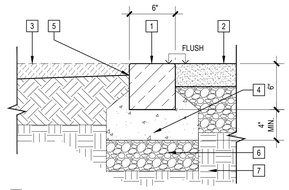
SITE SECTIONS AND ELEVATIONS

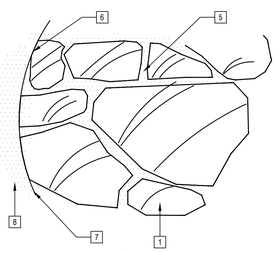
L4.03

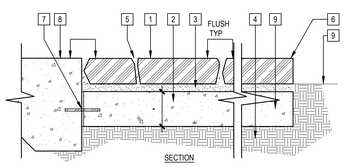


1. 6"X6"X8" COBBLESTONE CURB SET IN MORTAR. REFER TO MATERIAL PLAN FOR COLOR AND FINISH. PROVIDED BY BOURGET BROTHERS.
2. ADJACENT PAVING; SEE MATERIALS PLAN.
3. FINISH GRADE; SEE MATERIALS PLAN FOR MATERIAL.
4. 4" DRY MIX: 1 PART PORTLAND CEMENT, 4 PARTS SAND. WET MORTAR SET.
5. AMENDED TOP SOIL FIN. GRADE ADJACENT TO CONC. BAND:
   FLUSH AT DECOMPOSED GRANITE PAVING
   1-1/2" BELOW CONC. BAND AT PLANTING AREA
   3" BELOW AT ENGINEERED WOOD FIBER
6. AGGREGATE BASE; REFER TO GEOTECH REPORT
7. SUBGRADE; REFER TO GEOTECH REPORT FOR COMPACTION, SCARIFICATION, AND OVER EXCAVATION

NOTES:
A. CONTRACTOR TO PROVIDE FIELD MOCK-UP FOR LANDSCAPE ARCHITECT REVIEW PRIOR TO CONSTRUCTION.
B. EMBED COBBLES APPROXIMATELY 50% THEIR DEPTH INTO DRY MIX

COBBLESTONE FLUSH CURB
1 1/2"=1'-0" | - | 24

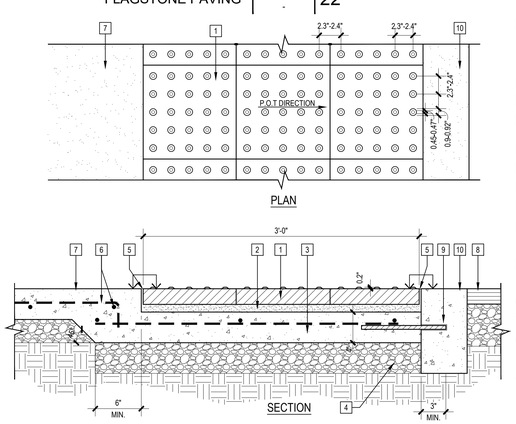




1. FLAGSTONE PAVING. MAXIMUM CLEFT OR LEVEL CHANGE OF 1/4" @ JOINTS OR EXPOSED SURFACE. AVERAGE STONE SIZE OF 3" W/NO PIECES SMALLER THAN 1-6" (IN ANY GIVEN DIRECTION). USE SMALL PIECES - 8" MINIMUM ONLY, TO INFILL BETWEEN MAIN PIECES (IN ANY GIVEN DIRECTION). USE STONE PIECES W/SMOOTH TOP AND BOTTOM.
2. CONCRETE BASE WITH REINFORCEMENT PER (01 / -)
3. 1"-1.5" MIN. THICK MORTAR SETTING BED (VARIES WITH FLAGSTONE THICKNESS)
4. BASE MATERIAL AND COMPACTED SUBGRADE PER (01 / -)
5. FILL JOINTS WITH NON-EXPANDING GROUT, 1/4" JOINT MAX. GROUT COLOR PER SPECIFICATIONS
6. CUT EDGE
7. CONCRETE TIE IN PER (05 / -)
8. ADJACENT CONCRETE PAVING WITH THICKENED EDGE PER (10 / -)
9. ADJACENT PLANTING AREA (WHERE APPLICABLE, SEE MATERIAL/LAYOUT PLANS)

NOTE:
A. FLAGSTONE PAVING ADJACENT TO VERTICAL SURFACE PER (17 / -)

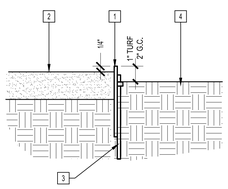
FLAGSTONE PAVING
1 1/2"=1'-0" | - | 22



1. PRE-CAST TRUNCATED DOME TILES. MODEL NO. ADA-2 FROM WAUSAU TILE. COLOR TO BE FEDERAL YELLOW (33538) OF SAE AMSSTD-595A. SHALL COMPLY WITH CBC 11B-247, 11B-250, 11B-705
2. MORTAR SETTING BED PER MANUF.
3. CONCRETE PAVING PER (01 / -)
4. BASE MATERIAL & COMPACTED SUBGRADE SEE CIVIL (01 / C7.01)
5. EXPANSION JOINT PER (02 / -)
6. #4 REBAR AT 18" O.C. EACH WAY
7. FINISH SURFACE; REFER TO MATERIALS PLAN
8. ADJACENT PAVING; REFER TO MATERIALS PLAN
9. DRILLED 5/8" DIA. SLIP SLEEVE AT CONCRETE FLUSH BAND; DOWEL TO HAVE FREE MOVEMENT AT THIS SIDE.
10. FLUSH CONCRETE CURB; PER CIVIL DWG'S.

NOTE:
A. TOTAL LENGTH OF TRUNCATED DOME TILES PER PLAN.
B. TRUNCATED DOME TILES ARE TO CONFORM TO STATE ACCESSIBILITY STANDARDS. CONTRACTOR TO VERIFY STANDARDS PRIOR TO INSTALLATION.
C. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACE. EITHER LIGHT ON DARK OR DARK ON LIGHT.

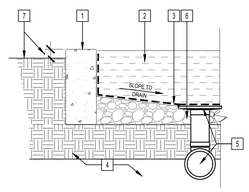
PRECAST TRUNCATED DOME PAVERS - MORTAR SET
1 1/2" = 1'-0" | - | 17



1. ALUMINUM EDGING BY PERMALOC; 8" SIZE
2. STABILIZED DECOMPOSED GRANITE; FINISH GRADE; REFER TO MATERIALS PLAN KEYNOTE LEGEND FOR COLOR
3. 18" STEEL SPIKE AT 18" O.C.
4. PLANTING AREA; FINISH GRADE

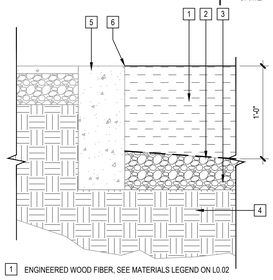
NOTE:
A. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
B. EDGING SHALL BE MILL FINISH TO BE BLACK.

ALUMINUM METAL EDGING
1 1/2"=1'-0" | - | 16



1. CONCRETE HEADER PER (09 / -)
2. ENGINEERED WOOD FIBER (EWF) (13 / -)
3. SINGLE LAYER OF MIRAFI 140N FILTER FABRIC SOIL SEPARATOR
4. SUBGRADE
5. AREA DRAIN AND DRAIN PIPE - SEE CIVIL DRAWINGS FOR SIZE AND MATERIAL
6. AGGREGATE BASE
7. FINISH GRADE;
   1-1/2" @ SHRUB AND GROUNDCOVER
   FLUSH @ HARDSCAPE

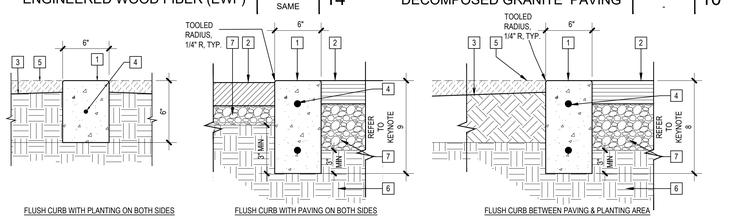
DRAIN AT EWF
1" = 1'-0" | SAME | 15



1. ENGINEERED WOOD FIBER, SEE MATERIALS LEGEND ON L0.02
2. MIRAFI FABRIC
3. AGGREGATE BASE, WHERE OCCURS, PER (01 / C7.01)
4. SUBGRADE
5. CONCRETE FLUSH CURB, WHERE OCCURS (09 / -)
6. 1/4" DEPTH MAX LOWER AT PLAYGROUND

NOTES:
A. DRAINAGE PER CIVIL, WHERE OCCURS
B. REPLENISH ENGINEERED WOOD FIBER AT EXISTING PLAYGROUND TO DEPTH SHOWN.

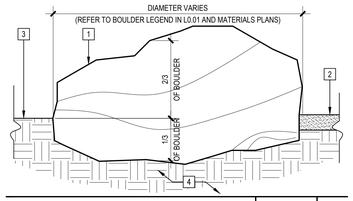
ENGINEERED WOOD FIBER (EWF)
1-1/2" = 1'-0" | SAME | 14



1. CONCRETE FLUSH CURB; REFER TO MATERIALS PLAN FOR FINISH.
2. FINISH SURFACE. SEE MATERIAL PLAN FOR MATERIAL
   a. FLUSH AT ASPHALT AND CONCRETE
   b. 1/4" MAX BELOW CONC. BAND AT DECOMPOSED GRANITE PAVING
   c. 1/4" MAX BELOW AT ENGINEERED WOOD FIBER
3. FINISH GRADING
4. (2) #4 CONTINUOUS HORIZONTAL REBAR.
5. TOP OF TURF MULCH / SAND / COBBLE / TURF
   a. 1" BELOW CONC. BAND AT TURF
   b. 1-1/2" BELOW CONC. BAND AT MULCH/SAND/COBBLE
6. COMPACTED SUBGRADE; REFER TO CIVIL DWG'S.
7. AGGREGATED BASE
8. a. ASPHALT & PLANTING AREA (PA): 12" MIN
   b. ENGINEERING WOOD FIBER (EWF) & PA: 18"
   c. DG & PA: 9" MIN
   d. DG & SAND / COBBLE / PA :9" MIN
9. a. ASPHALT & DG: 12" MIN
   b. ASPHALT & EWF: 18" MIN
   c. EWF & DG: 18"

NOTES:
A. PROVIDE TOOLED JOINT EVERY 10'-0" OR TO ALIGN WITH PAVING JOINTS & EXPANSION JOINT EVERY 30' & AT EVERY CHANGE IN DIRECTION
B. ENGINEERING WOOD FIBER (14 / –)
C. DECOMPOSED GRANITE (10 / –)
D. COBBLE / SAND (11 / –)

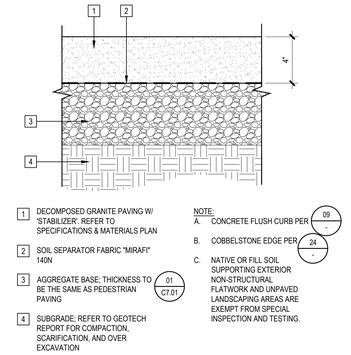
CONC. FLUSH CURB
1 1/2"=1'-0" | - | 09



NOTE:
A. BOULDERS - REFER TO BOULDER LEGEND ON L0.01.
B. PROVISIONS ARE TO BE MADE FOR THE PLACEMENT OF BOULDERS ON SITE USING A METHOD ALLOWING FOR FULL 360 DEGREE ROTATION OF BOULDER IN AIR SUCH AS ARTICULATED KNUCKLE BOOM. NO BACK HOE, DRAGGING OR PUSHING OF BOULDERS WILL BE ACCEPTABLE.
C. BOULDERS SHALL BE POWER WASHED PRIOR TO PLACEMENT.
D. FINAL BOULDER LOCATION TO BE SELECTED BY LANDSCAPE ARCHITECT ON SITE DURING INSTALLATION.
E. BOULDER DIAMETER VARIES. REFER TO TABLE AT LEFT AND MATERIALS PLANS FOR BOULDER TYPES, SIZES, AND LOCATION.
F. NATIVE OR FILL SOIL SUPPORTING EXTERIOR NON-STRUCTURAL FLATWORK AND UNPAVED LANDSCAPING AREAS ARE EXEMPT FROM SPECIAL INSPECTION AND TESTING.

1. BOULDER PER BOULDER LEGEND IN L0.01
2. FINISHED SURFACE, WHERE OCCURS, SEE MATERIALS PLAN
3. FINISHED GRADE AT PLANTING AREA, WHERE OCCURS
4. COMPACTED SUBGRADE PER CIVIL

BOULDER SETTING
1" = 1'-0" | - | 12



1. MATERIAL & COLOR REFER TO KEYNOTE LEGEND. MATERIAL TO BE WASHED TWICE PRIOR TO PLACING.
2. SOIL SEPARATOR FABRIC "MIRAFI" 140N.
3. BASE MATERIAL AND COMPACTED SUBGRADE PER (01 / -)

NOTE:
A. FOR ALUMINUM METAL EDGING, REFER TO (23 / -)
B. INSTALL AT EDGES WHERE OCCURS AT PERIMETER PER MATERIALS PLAN

ROCK MULCH / SAND
3" = 1'-0" | - | 11

1. ENGINEERED WOOD FIBER, SEE MATERIALS LEGEND ON L0.02
2. MIRAFI FABRIC
3. AGGREGATE BASE, WHERE OCCURS, PER (01 / C7.01) SIM.
4. SUBGRADE
5. CONCRETE FLUSH CURB, WHERE OCCURS (09 / -)
6. 1/4" DEPTH MAX LOWER AT PLAYGROUND

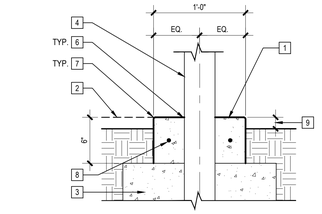
NOTES:
A. DRAINAGE PER CIVIL, WHERE OCCURS
B. REPLENISH ENGINEERED WOOD FIBER AT EXISTING PLAYGROUND TO DEPTH SHOWN.

ENGINEERED WOOD FIBER (EWF)
1-1/2" = 1'-0" | SAME | 14

1. DECOMPOSED GRANITE PAVING W/ STABILIZER. REFER TO SPECIFICATIONS & MATERIALS PLAN
2. SOIL SEPARATOR FABRIC "MIRAFI" 140N
3. AGGREGATE BASE; THICKNESS TO BE THE SAME AS PEDESTRIAN PAVING (01 / C7.01)
4. SUBGRADE; REFER TO GEOTECH REPORT FOR COMPACTION, SCARIFICATION, AND OVER EXCAVATION

NOTE:
A. CONCRETE FLUSH CURB PER (09 / -)
B. COBBELSTONE EDGE PER (24 / -)
C. NATIVE OR FILL SOIL SUPPORTING EXTERIOR NON-STRUCTURAL FLATWORK AND UNPAVED LANDSCAPING AREAS ARE EXEMPT FROM SPECIAL INSPECTION AND TESTING.

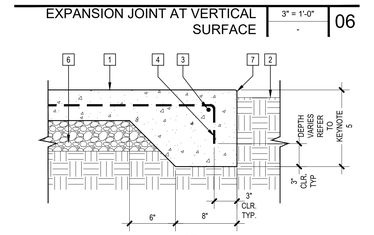
DECOMPOSED GRANITE PAVING
3" = 1'-0" | - | 10



1. FLUSH CONCRETE CURB; REFER TO MATERIALS PLAN FOR FINISH AND COLOR.
2. FINISH GRADE/ FINISH SURFACE; REFER TO MATERIALS PLAN FOR ADJACENT SURFACE MATERIAL
3. FENCE POST FOOTING (13 / L5.03)
4. FENCE POST
5. BASE MATERIAL AND COMPACTED SUBGRADE PER CIVIL DETAILS
6. EXPANSION JOINT AT VERTICAL SURFACE (05 / -)
7. 1/4" RADIUS, TYP.
8. (2) #3 REBAR CONTINUOUS
9. 2 1/2" @ SHRUBS/GROUNDCOVER 1" @ TURF

NOTES:
A. PROVIDE EXPANSION JOINT @ ± 20' O.C. W/ TOOLED CONTROL JOINTS AT ± 5' O.C.
B. CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED.

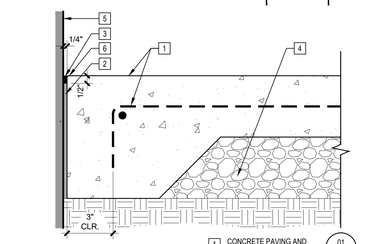
CONCRETE FLUSH CURB AT FENCE POST
1 1/2" = 1'-0" | - | 08



1. NEW CONCRETE PAVING AND REINFORCEMENT; REFER TO DTL. (01 / C7.01)
2. EXISTING CONCRETE PAVING
3. 1/2" X 24" SMOOTH STEEL DOWEL AT 18" O.C.
4. 5/8" SLIP SLEEVE DRILLED INTO EXISTING CONCRETE PAVING; DOWEL TO HAVE FREE MOVEMENT ON THIS SIDE
5. JOINT SEALANT WITH BACKER ROD
6. BASE MATERIAL AND COMPACTED SUBGRADE; REFER TO DTL. (01 / C7.01)
7. 1/8" RADIUS; AT NEW CONCRETE PAVING

NOTES:
A. PROVIDE AT ALL LOCATIONS WHERE NEW CONCRETE JOINS EXISTING CONCRETE.
B. PROVIDE CLEAN SAWCUT AT EXISTING PAVING. EXTEND PROPOSED PAVING AS REQUIRED TO CLOSEST ADJACENT JOINT.
C. SEE CIVIL PLANS FOR LIMIT OF DEMOLITION.
D. NATIVE OR FILL SOIL SUPPORTING EXTERIOR NON-STRUCTURAL FLATWORK AND UNPAVED LANDSCAPING AREAS ARE EXEMPT FROM SPECIAL INSPECTION AND TESTING.
E. CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED.

CONCRETE PAVING TIE-IN
3"=1'-0" | - | 07



NOTES:
A. PROVIDE EXPANSION JOINT AT ALL VERTICAL SURFACES.
B. EXPANSION JOINT AT CURB PER (02 / -) DETAIL
C. NATIVE OR FILL SOIL SUPPORTING EXTERIOR NON-STRUCTURAL FLATWORK AND UNPAVED LANDSCAPING AREAS ARE EXEMPT FROM SPECIAL INSPECTION AND TESTING.
D. CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED.

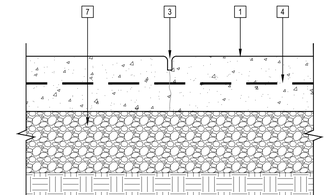
1. CONCRETE PAVING AND REINFORCEMENT PER DETAIL (01 / C7.01)
2. EXPANSION JOINT FILLER; MATCH FULL DEPTH OF CONC. PAVING; REFER TO SPECS FOR MATERIAL
3. JOINT SEALANT; COLOR TO MATCH CONCRETE COLOR W/SEEDED SILICA SAND
4. BASE MATERIAL AND SUBGRADE PER DETAIL (01 / C7.01)
5. FACE OF VERTICAL SURFACE
6. 1/4" RADIUS

EXPANSION JOINT AT VERTICAL SURFACE
3" = 1'-0" | - | 06

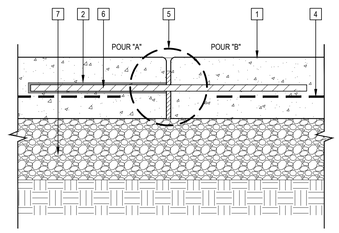
1. CONCRETE PAVING; REFER TO DTL. (01 / -)
2. ADJACENT SURFACE/ FINISH GRADE; REFER TO PER MATERIALS PLAN
3. #X REINFORCING; CONTINUOUS
4. EXTEND REINFORCEMENT FROM PAVING INTO THICKENED EDGE & WRAP ENDS
5. THICKENED EDGE; 6" DEPTH FOR PEDESTRIAN PAVING; 7" DEPTH FOR VEHICULAR PAVING
6. BASE MATERIAL & COMPACTED SUBGRADE; REFER TO DTL. (01 / C7.01)
7. EASE ALL EDGES; 1/4"R, TYP.

NOTE:
FOR EDGE CONDITION ADJACENT TO VERTICAL SURFACE REFER TO DTL. (06 / -)

CONC. PAVING THICKENED EDGE
1 1/2" = 1'-0" | - | 05



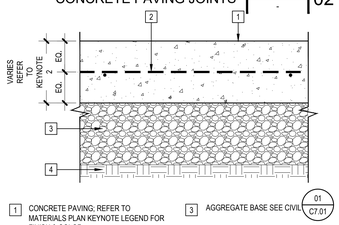
EXPANSION JOINT ENLARGEMENT
N.T.S. | - | 04



1. CONCRETE PAVING; REFER TO DETAIL (01 / -)
2. SPEED DOWEL; BY SIKA CORPORATION CONCRETE ACCESSORIES; PRODUCT # PSD12/ #4TX
3. SAWCUT CONTROL JOINT; 1/8-INCH WIDE; CUT TO 1/4 DEPTH OF SLAB; PROVIDE TIGHT 1/8-INCH RADIUS ON EDGE OF PAVING BEFORE SAWCUTTING.
4. CONCRETE PAVING REINFORCEMENT; REFER TO DETAIL (01 / C7.01)
5. JOINT ENLARGEMENT; REFER TO DETAIL (04 / -)
6. PEDESTRIAN: 3'0 SMOOTH STEEL DOWEL, 18" @ 18" O.C.
   PEDESTRIAN: 3'0 SMOOTH STEEL DOWEL, 18" @ 18" O.C.
7. AGGREGATE BASE AND SUBGRADE; REFER TO PAVING DETAIL (01 / C7.01)

NOTES:
A. NATIVE OR FILL SOIL SUPPORTING EXTERIOR NON-STRUCTURAL FLATWORK AND UNPAVED LANDSCAPING AREAS ARE EXEMPT FROM SPECIAL INSPECTION AND TESTING.
B. CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED.

CONCRETE PAVING JOINTS
3" = 1'-0" | - | 02



1. CONCRETE PAVING; REFER TO MATERIALS PLAN KEYNOTE LEGEND FOR FINISH & COLOR.
2. FOR PAVING THICKNESS & REINFORCEMENT SEE CIVIL (01 / C7.01)
3. AGGREGATE BASE SEE CIVIL (01 / C7.01)
4. SUBGRADE COMPACTION & OVER EXCAVATION SEE CIVIL (01 / C7.01)

NOTES:
A. SAWCUT & EXPANSION JOINTS: REFER TO DETAIL. (02 / -)
B. PROVIDE DOWELS WHERE NEW CONCRETE TIES INTO EXISTING PER (07 / -) DETAIL.
C. PROVIDE THICKENED EDGE AT COLUMNS, SITE AND BLDG. WALLS, AND WHERE PAVING IS ADJACENT TO PLANTING AREAS. (05 / -)
D. EXP. JOINT AT CURB PER DETAIL (02 / -)
E. DO NOT ALLOW CONCRETE OVER-POUR INTO ADJACENT PLANTING AREA.
F. NATIVE OR FILL SOIL SUPPORTING EXTERIOR NON-STRUCTURAL FLATWORK AND UNPAVED LANDSCAPING AREAS ARE EXEMPT FROM SPECIAL INSPECTION AND TESTING. (02 / -)
G. CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED.

CONCRETE PAVING
3" = 1'-0" | - | 01

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

LPA
ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING
949-261-1001 Office
LPADesignStudios.com
5301 California Avenue, Suite 100
Irvine, California 92617

ALTADENA ARTS MAGNET SCHOOL
743 E CALAVERAS ST.
ALTADENA, CA 91001
Developed for
PASADENA UNIFIED SCHOOL DISTRICT

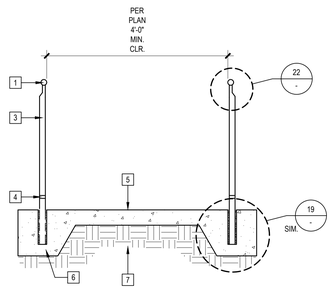
Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/05/2025
DSA SUBMITTAL V1	02/02/2026
DSA SUBMITTAL V2	02/13/2026

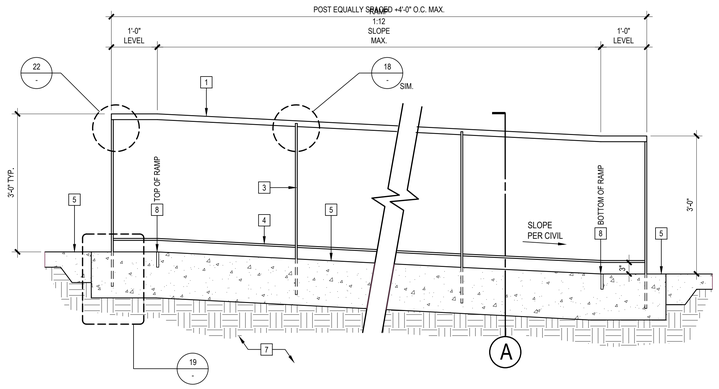
Job Number	33366
Checked By	AG /SC
Scale	AS NOTED

CONSTRUCTION DETAILS

L5.01



SECTION A

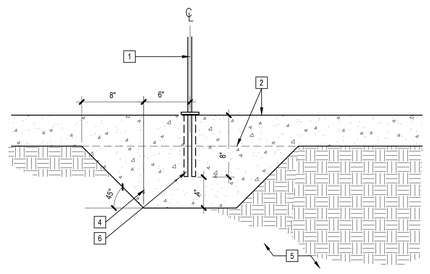


1. 1.66" O.D. SCH. 40 STEEL PIPE.
2. NOT USED
3. 1-1/2" x 3/4" THICK SOLID STOCK STEEL POST.
4. 1-1/2" x 3/4" THICK SOLID STOCK STEEL BOTTOM RAIL.
5. CONCRETE PAVING; FINISH GRADE
6. POST EMBEDMENT IN CONCRETE THICKENED EDGE (19 / -)
7. BASE MATERIAL AND COMPACTED SUBGRADE PER GEOTECHNICAL REPORT.
8. TOP OF RAMP/BOTTOM OF RAMP

NOTES:

A. ALL COMPONENTS ARE TO BE GALVANIZED STEEL, SEE SPECS.
B. GRIND ALL WELDS SMOOTH.
C. 1/8" EDGES TYPICAL ALL CORNERS.
D. COLD GALVANIZED ALL FIELD WELDS.
E. ALL HANDRAILS TO BE 4" MIN. FROM ADJACENT VERTICAL SURFACE UNLESS OTHERWISE NOTED ON PLAN. THIS DIM. WILL VARY BASED ON THE PROJECT DESIGN
F. PROVIDE HANDRAILS ON BOTH SIDES OF RAMP, TYPICAL

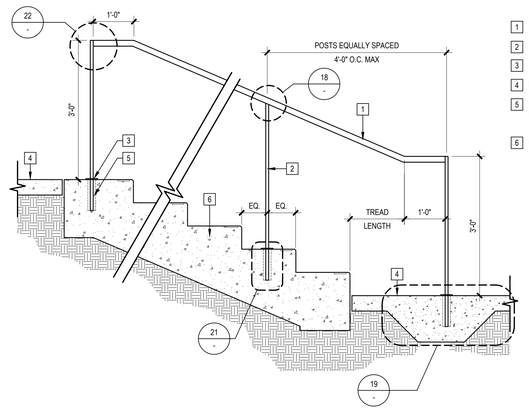
RAMP HANDRAIL — 3/4"=1'-0" — 12



1. STEEL POST
2. CONCRETE PAVING
3. NOT USED
4. CONCRETE FOOTING
5. COMPACT PER GEOTECH REPORT
6. CAST IN PLACE, CORE DRILL, OR PROVIDE SLEEVE. SET POSTS W/NON SHRINK GROUT. IF CORE DRILL IS PROVIDED FINAL SECTION IS TO MATCH FOOTING DIMENSION. CORE DRILL OR SLEEVE TO BE SMALLER THAN COVER PLATE. (2) SMALL OVERLAPING CORE HOLES MAY BE REQUIRED

NOTES:
A. ALL COMPONENTS ARE TO BE HOT DIPPED GALVANIZED STEEL, REFER TO SPEC.

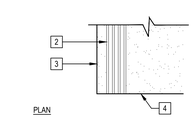
STAIR HANDRAIL END POST EMBEDMENT — 1 1/2" = 1'-0" — 19

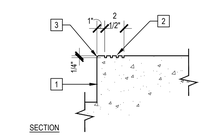


1. 1.66" O.D. SCH 40 STEEL PIPE.
2. 1-1/2" x 3/4" THICK SOLID STOCK STEEL POST.
3. 3" DIA. X 1/4" THICK BASE PLATE (19 / L5.03)
4. FINISH SURFACE
5. CAST IN PLACE, CORE DRILL, OR PROVIDE KNOCKOUT. SET POSTS W/ NON SHRINK GROUT.
6. C.I.P. CONCRETE STAIRS. PER xxx

NOTES:
A. ALL COMPONENTS ARE TO BE SCHEDULE 40 GALV. STEEL, SEE DIV.05 SPEC.
B. GRIND ALL WELDS SMOOTH.
C. 1/8" EDGES TYPICAL ALL CORNERS.
D. COLD GALVANIZED ALL FIELD WELDS.
E. ALL HANDRAILS TO BE 4" CLEAR MIN. FROM VERTICAL SURFACE.

STAIR HANDRAIL — 3/4"=1'-0" — 11

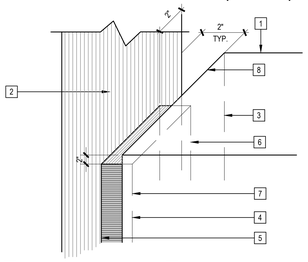




1. CONCRETE STAIRS; PER DETAIL (10 / -)
2. TROWELED GROOVES; APPLY CONTRASTING CONCRETE STAIN WITHIN ENTIRE WIDTH AND LENGTH OF GROOVED AREA.
3. 1/2" RADIUS AT TREAD NOSE
4. EDGE OF STAIRS

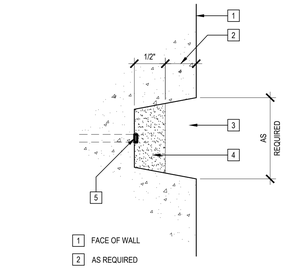
NOTES:
A. GROOVES REQUIRED AT EACH TREAD OF ALL EXTERIOR STAIRS.
B. CONCRETE STAIN COLOR = BLACK; APPLY 2-COATS.

STAIR NOSING — 1 1/2"=1'-0" — 08



1. CONCRETE WALL; REFER TO MATERIAL PLAN FOR FINISH AND COLOR
2. ADJOINING WALL, BUILDING OR OTHER VERTICAL SURFACE
3. BACK EDGE OF WALL
4. 2" X 2" REVEAL. FINISH ALL EXPOSED EDGES TO MATCH FACE OF WALL
5. COLD JOINT
6. BACK EDGE OF REVEAL. REVEAL TO BE CONTINUOS ON ALL SIDES OF WALL UNLESS OTHERWISE INDICATED ON PLAN OR ELEVATIONS
7. INSIDE EDGE OF REVEAL
8. EDGE PER (03 / -)

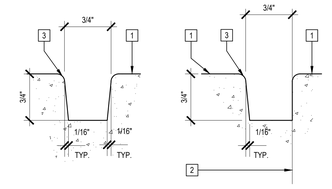
REVEAL AT END OF CONC. WALL — 3" = 1'-0" — 07



1. FACE OF WALL
2. AS REQUIRED
3. VOID FROM SNAP TIE CONE
4. QUICK SET HYDRAULIC NON-SHRINK CEMENT
5. SNAP TIE - CUT FLUSH WITH BACK OF CONE VOID

NOTES:
A. ALL SNAP TIES TO BE ALIGNED VERTICALLY AND HORIZONTALLY ALONG THEIR CENTERLINES.
B. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF SNAP TIE LAYOUT TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

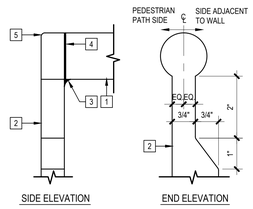
INFILL AT WALL SNAP TIE VOID — FULL — 04



1. CONCRETE WALL PER MATERIALS PLAN.
2. COLD JOINT.
3. 1/8" TOOLED/STONED CORNERS & EDGES.

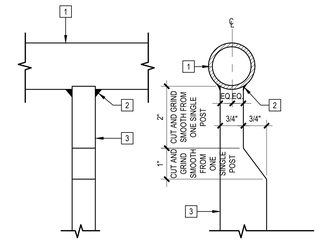
NOTES:
A. PROVIDE REVEAL @ ALL COLD JOINTS.
B. REVEAL SHOULD BE CONTINUOUS ON SIDES & TOP OF WALL, UNLESS OTHERWISE NOTED ON PLAN OR ELEVATION.
C. REFER TO PLANS & ELEVATIONS FOR JOINT SIZE & LOCATION.
D. ALIGN ALL FORM JOINTS W/REVEALS. CUSTOM CUT FORMS AS REQUIRED.

CONCRETE WALL REVEALS — FULL / SAME — 03



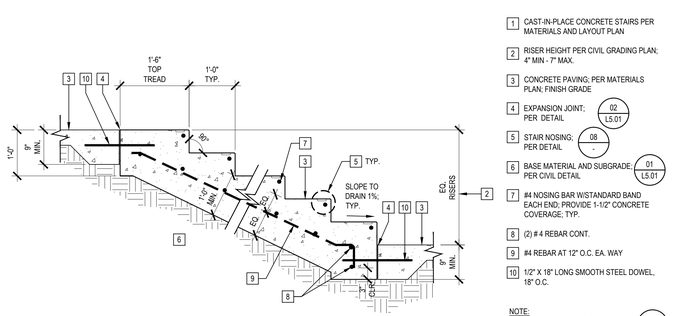
1. 1.66" O.D. SCH. 40 STEEL PIPE
2. 1-1/2" X 3/4" THICK SOLID STOCK STEEL POST.
3. CONTINUOUS FILLET WELD
4. WELD ALL AROUND, GRIND SMOOTH.
5. 1/8" MIN. RADIUS, TYP.

HANDRAIL END CONNECTION-D1 — 6" = 1'-0" — 22



1. 1.660" O.D. SCH. 40 STEEL PIPE.
2. CONTINUOUS 1/4" FILLET WELD BOTTOM SIDE ONLY.
3. 1-1/2" x 3/4" THICK SOLID STOCK STEEL 'SINGLE' POST. (WELDING OF POSTS TOGETHER SHALL NOT BE ACCEPTABLE)

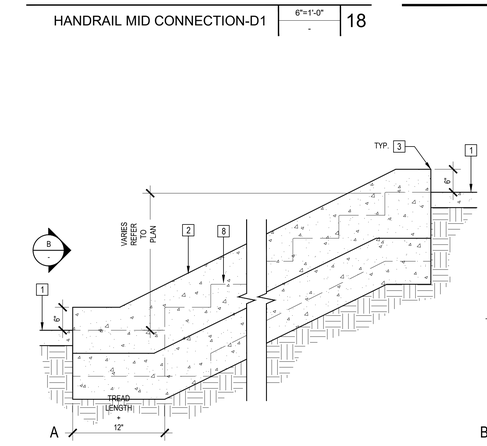
HANDRAIL MID CONNECTION-D1 — 6"=1'-0" — 18



1. CAST-IN-PLACE CONCRETE STAIRS PER MATERIALS AND LAYOUT PLAN
2. RISER HEIGHT PER CIVIL GRADING PLAN; 4" MIN - 7" MAX.
3. CONCRETE PAVING; PER MATERIALS PLAN; FINISH GRADE
4. EXPANSION JOINT; PER DETAIL (02 / L5.01)
5. STAIR NOSING; PER DETAIL (08 / -)
6. BASE MATERIAL AND SUBGRADE; PER CIVIL DETAIL (01 / L5.01)
7. #4 NOSING BAR W/STANDARD BAND EACH END; PROVIDE 1-1/2" CONCRETE COVERAGE; TYP.
8. (2) # 4 REBAR CONT.
9. #4 REBAR AT 12" O.C. EA. WAY
10. 1/2" X 18" LONG SMOOTH STEEL DOWEL, 18" O.C.

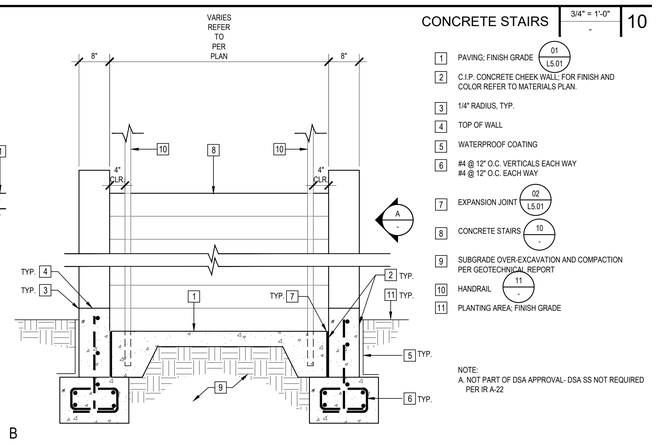
NOTE:
A. FOR CAST-IN-PLACE CONC. CHEEK WALLS; REFER TO DETAIL. (09 / -)
B. STAIRS TO HAVE HANDRAILS ON BOTH SIDES OF STAIRS; REFER TO DETAIL. (11 / -)

CONCRETE STAIRS — 3/4" = 1'-0" — 10



1. HANDRAIL POST, SEE (11 / -)
2. CONCRETE STAIRS, SEE CIVIL.
3. STAIR NOSING, SEE (08 / -)
4. C.I.P. CORE DRILL OR PROVIDE KNOCK-OUT. SET POSTS WITH NON-SHRINK GROUT.
5. BASE MATERIAL AND COMPACTED SUBGRADE PER GEOTECHNICAL REPORT.
5. BASE PLATE, SEE (11 / -)

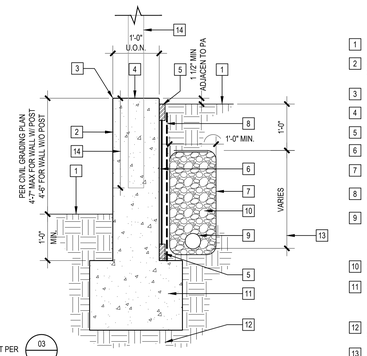
STAIR HANDRAIL EMBEDMENT — 1-1/2" = 1'-0" — 21



1. PAVING; FINISH GRADE (01 / L5.01)
2. C.I.P. CONCRETE CHEEK WALL FOR FINISH AND COLOR REFER TO MATERIALS PLAN.
3. 1/4" RADIUS, TYP.
4. TOP OF WALL
5. WATERPROOF COATING
6. #4 @ 12" O.C. VERTICALS EACH WAY #4 @ 12" O.C. EACH WAY
7. EXPANSION JOINT (02 / L5.01)
8. CONCRETE STAIRS (10 / -)
9. SUBGRADE OVER-EXCAVATION AND COMPACTION PER GEOTECHNICAL REPORT
10. HANDRAIL (11 / -)
11. PLANTING AREA; FINISH GRADE

NOTE:
A. NOT PART OF DSA APPROVAL- DSA SS NOT REQUIRED PER IR A-22

CONCRETE CHEEK WALLS AT STAIRS — 3/4" = 1'-0" — 09



1. FINISH SURFACE/FINISH GRADE; REFER TO MATERIALS PLAN
2. CONCRETE WALL; REFER TO MATERIALS PLAN KEYNOTE LEGEND FOR COLOR & FINISH
3. 1/4" EASED EDGE RADIUS, TYP. ALL EDGES. NO CHAMFERS
4. TOP OF WALL PER CIVIL GRADING PLAN. HOLD DATUM LINE.
5. MASTIC SEAL @ BITUTHENE MEMBRANE TERMINATIONS
6. BITUTHENE MEMBRANE
7. 'MIRAFI' 140N FILTER FABRIC
8. PROTECTION BOARD, OVER 'BITUTHENE' MEMBRANE OVER PRIMED WALL
9. 4" PERFORATED DRAINLINE INSTALLED W/PERFORATION DOWN.REFER TO CIVIL PLAN WHERE OCCURS. 1% MIN. GRADIENT FLOW TO END OF WALL. CONNECT TO CLOSEST CIVIL STORM DRAIN LINE PER CIVIL UTILITY PLAN
10. 3/4" DRAIN ROCK
11. STEEL REINFORCEMENT & FOOTING DIMENSIONS - WALL - WALL W/ FENCE OR GUARDRAIL (06 / S1.11)
12. SUBGRADE OVER-EXCAVATION AND COMPACTION IS PER GEOTECHNICAL REPORT (10 / S1.11)
13. 1'-6" MIN. OR 1/3 WALL HEIGHT, WHICHEVER IS GREATER. PROVIDE MIN. 1" SOIL OVER GRAVEL
14. POST EMBEDMENT WHERE OCCURS - @ FENCE - 18" - GUARDRAIL: 9"

NOTES:
A. REVEAL/COLD JOINT PER (03 / -)
B. REFER TO PLANS/ELEVATIONS FOR LOCATION OF JOINTS.
C. ALL FORM SEAMS ARE TO ALIGN WITH REVEALS SHOWN ON ELEVATIONS & PLANS. PROVIDE CUSTOM FORM BOARDS AS REQUIRED.
D. INFILL @ SNAP TIE PER (04 / -)

CONCRETE RETAINING WALL — 3/4" = 1'-0" — 01

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DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

LPA

ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING

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Developed for
PASADENA UNIFIED SCHOOL DISTRICT

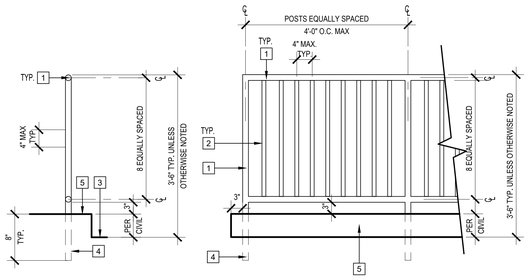
Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/05/2025
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

Job Number	33366
Checked By	AG /SC
Scale	AS NOTED

CONSTRUCTION DETAILS

L5.02

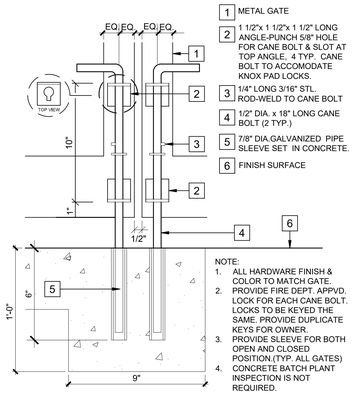


1. 1.90" O.D. SCH 40 STEEL PIPE
2. 1.05" O.D. SCH 40 STEEL PIPE
3. ADJACENT SURFACE PER MATERIALS PLAN
4. CORE DRILL 2" LARGER THAN POST DIAMETER FOR ROUND POSTS OR 2" WIDER THAN DIMENSION FOR SQUARE POSTS. SET POSTS W/NON SHRINK GROUT PER STRUCTURAL GENERAL NOTE F.8.
5. CONCRETE CURB PER CIVIL PLANS

NOTES:
A. ALL COMPONENTS ARE TO BE HOT DIPPED GALVANIZED STEEL, SEE SPEC.
B. GRIND ALL WELDS SMOOTH.
C. 1/8" EDGES TYPICAL ALL CORNERS.
D. COLD GALVANIZE ALL FIELD WELDS.

GUARDRAIL

3/4" = 1'-0" | 20

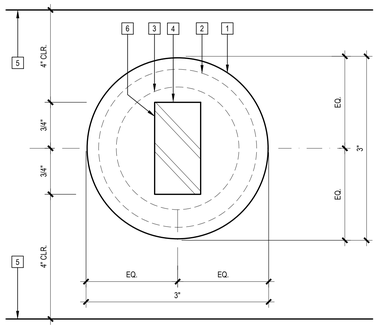


1. METAL GATE
2. 1 1/2"x 1 1/2"x 1 1/2" LONG ANGLE-PUNCH 5/8" HOLE FOR CANE BOLT & SLOT AT TOP ANGLE. 4 TYP. CANE BOLT TO ACCOMODATE KNOX PAD LOCKS.
3. 1/4" LONG 3/16" STL. ROD-WELD TO CANE BOLT
4. 1/2" DIA. x 18" LONG CANE BOLT (2 TYP.)
5. 7/8" DIA.GALVANIZED PIPE SLEEVE SET IN CONCRETE.
6. FINISH SURFACE

NOTE:
1. ALL HARDWARE FINISH & COLOR TO MATCH GATE.
2. PROVIDE FIRE DEPT. APPVD. LOCK FOR EACH CANE BOLT. LOCKS TO BE KEYED THE SAME. PROVIDE DUPLICATE KEYS FOR OWNER.
3. PROVIDE SLEEVE FOR BOTH OPEN AND CLOSED POSITION.(TYP. ALL GATES)
4. CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED.

CANE BOLT

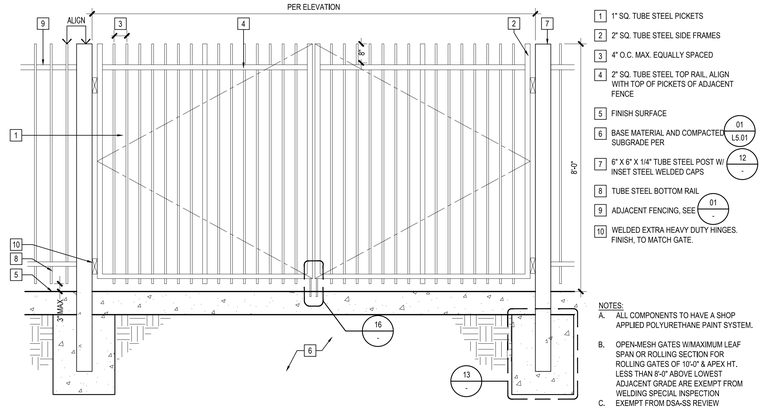
3" = 1'-0" | 16



1. 1/8" THICK SOLID STOCK STAINLESS STEEL PLATE.
2. BLACK PVC SHIM BELOW.
3. CAST INTO PLACE, CORE DRILL, OR PROVIDE KNOCKOUT. SET POST W/ NON SHRINK GROUT.
4. STEEL POST PER 11 / L5.02
5. FACE OF WALL. WIDTH PER PLAN.
6. CONTINUOUS WELD ALL FOUR SIDES OF POST TOP SIDE OF PLATE ONLY.

BASE PLATE PLAN ENLARGEMENT

FULL | 19

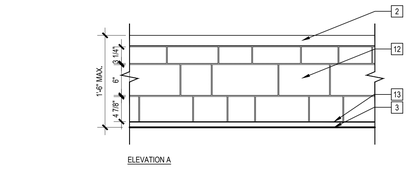


1. 1" SQ. TUBE STEEL PICKETS
2. 2" SQ. TUBE STEEL SIDE FRAMES
3. 4" O.C. MAX. EQUALLY SPACED
4. 2" SQ. TUBE STEEL TOP RAIL, ALIGN WITH TOP OF PICKETS OF ADJACENT FENCE
5. FINISH SURFACE
6. BASE MATERIAL AND COMPACTED SUBGRADE PER 01 / L5.01
7. 6" X 6" X 1/4" TUBE STEEL POST W/ INSET STEEL WELDED CAPS 12
8. TUBE STEEL BOTTOM RAIL
9. ADJACENT FENCING, SEE 01
10. WELDED EXTRA HEAVY DUTY HINGES. FINISH, TO MATCH GATE.

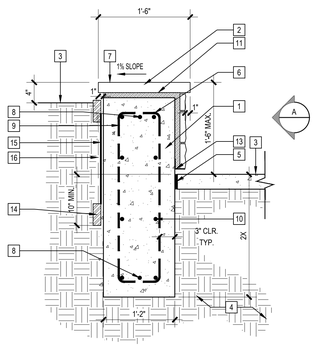
NOTES:
A. ALL COMPONENTS TO HAVE A SHOP APPLIED POLYURETHANE PAINT SYSTEM.
B. OPEN-MESH GATES W/MAXIMUM LEAF SPAN OR ROLLING SECTION FOR ROLLING GATES OF 10'-0" & APEX HT. LESS THAN 8'-0" ABOVE LOWEST ADJACENT GRADE ARE EXEMPT FROM WELDING SPECIAL INSPECTION
C. EXEMPT FROM DSA-SS REVIEW

TUBE STEEL VEHICULAR GATE

1/2"=1'-0" | 03



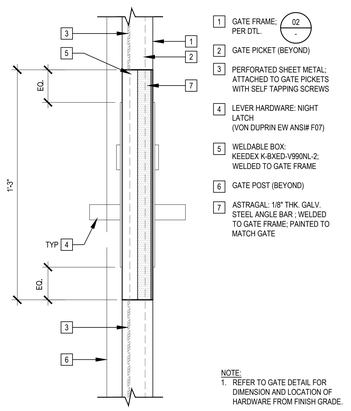
ELEVATION A



1. CONCRETE RETAINING WALL PER MATERIALS PLAN. REFER TO KEYNOTE LEGEND FOR COLOR & FINISH
2. 2" THK. STONE CAP, COLOR AND FINISH PER MATERIAL KEYNOTES
3. FINISH SURFACE/FINISH GRADE; REFER TO MATERIALS PLAN FOR TYPE.
4. OVER-EXCAVATION, SUBGRADE SCARIFICATION/COMPACTION SHALL BE PER GEOTECHNICAL REPORT
5. EXPANSION JOINT PER 06 / L5.01
6. #3 STIRRUP @ 18" O/C AT TOP OF WALL
7. TOP OF WALL PER CIVIL GRADING PLAN
8. (3) #4 CONTINUOUS AT TOP AND BOTTOM
9. #4 @ 12" O.C. EACH WAY AND EACH FACE
10. CONT # @ 12" O.C. EACH FACE
11. 1" THK. MORTAR SETTING BED
12. 1" THK. STONE VENEER, COLOR AND FINISH PER MATERIAL KEYNOTES
13. 2"X2" METAL FLASHING / 12 GA BENT PLATE
14. MASTIC SEAL AND TERMINATION BAR @ MEMBRANE TERMINATIONS
15. BITUTHENE MEMBRANE OVER PRIMED WALL
16. PROTECTION BOARD OVER BITUTHENE MEMBRANE

STONE VENEER SEATWALL

1" = 1'-0" | 14

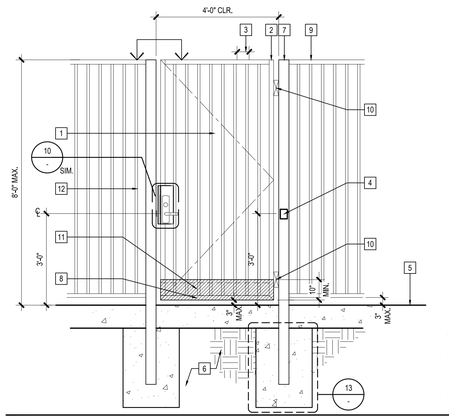


1. GATE FRAME; 02 / PER DTL.
2. GATE PICKET (BEYOND)
3. PERFORATED SHEET METAL; ATTACHED TO GATE PICKETS WITH SELF TAPPING SCREWS
4. LEVER HARDWARE: NIGHT LATCH (VON DUPRIN EW ANSI# F07)
5. WELDABLE BOX; KEEDEX K-BXED-V990NL-2; WELDED TO GATE FRAME
6. GATE POST (BEYOND)
7. ASTRAGAL; 1/8" THK. GALV. STEEL ANGLE BAR ; WELDED TO GATE FRAME; PAINTED TO MATCH GATE

NOTE:
1. REFER TO GATE DETAIL FOR DIMENSION AND LOCATION OF HARDWARE FROM FINISH GRADE.

LEVER & LEVER HARDWARE ENLARGEMENT

3" = 1'-0" | 10

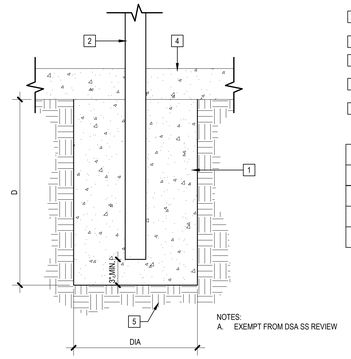


1. 1" SQ. TUBULAR STEEL FENCE PICKET
2. 2" SQ. TUBULAR STEEL SIDE FRAMES
3. 4-11/16" O.C. EQUALLY SPACED
4. SURFACE MOUNTED CARD READER ON PARKING LOT SITE FOR G1 ONLY. MODEL&CONDUIT PER TECHNOLOFY PLAN.
5. FINISH SURFACE
6. BASE MATERIAL & COMPACTED SUBGRADE
7. 4" SQ. TUBULAR STEEL POST FLAT CAP PER MANUFACTURER 12
8. 1-3/4" SQ. TUBULAR STEEL BOTTOM RAILS
9. ADJACENT FENCING PER 01
10. LOCINOX MAMMOTH-HD ULTRA HEAVY DUTY180° HINGE COLOR TO MATCH GATE
11. STEEL GALVANIZED KICKPLATE PER 09

NOTES:
A. ADDITIONAL INFORMATION PER 01
B. ALL COMPONENTS TO HAVE A SHOP APPLIED POLYURETHANE PAINT SYSTEM.
C. OPEN-MESH GATES WITH MAXIMUM LEAF SPAN OR ROLLING SECTION FOR ROLLING GATES OF 10'-0" & APEX HT, LESS THAN 8'-0" ABOVE LOWEST ADJACENT GRADE ARE EXEMPT FROM WELDING SPECIAL INSPECTION,
D. ALL GROOVE WELDS TO BE GRIND SMOOTH.

TUBE STEEL SINGLE PEDESTRIAN GATE

1/2"=1'-0" | 02



1. CONCRETE FOOTING; REFER TO SCHEDULE FOR SIZES; 3500 PSI
2. FENCE OR GATE POSTS
3. FINISH SURFACE / FINISH GRADE
4. CONCRETE OR A.C. PAVING; REFER TO MATERIALS PLAN FOR LOCATIONS; FINISH GRADE
5. SUBGRADE

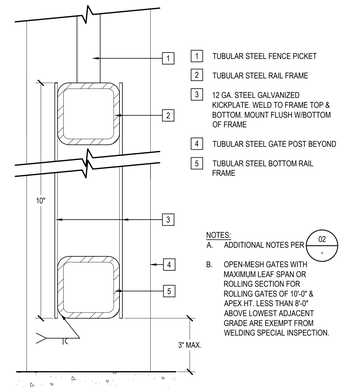
	FENCE AND GATE FOOTING SCHEDULE BELOW PAVING			
	CAISSON DESCRIPTION	HT.	D	DIA
1B	FENCE CORNER & END POSTS; GATE POSTS (5' SPAN WIDTH MAX.)	8'	5'	18"
2B	LINE POST	8'	5'	18"
3B	GATE POSTS (SPAN WIDTH OVER 5')	8'	5'	18"

NOTES:
A. EXEMPT FROM DSA SS REVIEW

B. FOOTING UNDER PAVING

FENCE AND GATE POST FOOTING

1"=1'-0" | 13

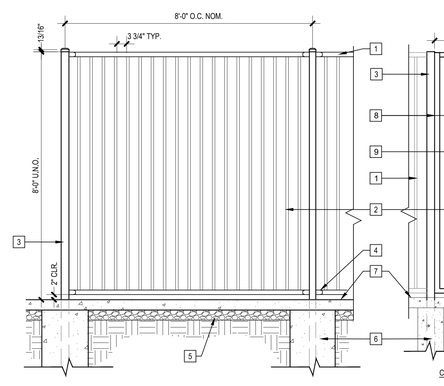


1. TUBULAR STEEL FENCE PICKET
2. TUBULAR STEEL RAIL FRAME
3. 12 GA. STEEL GALVANIZED KICKPLATE. WELD TO FRAME TOP & BOTTOM. MOUNT FLUSH W/BOTTOM OF FRAME
4. TUBULAR STEEL GATE POST BEYOND
5. TUBULAR STEEL BOTTOM RAIL FRAME

NOTES:
A. ADDITIONAL NOTES PER 02
B. OPEN-MESH GATES WITH MAXIMUM LEAF SPAN OR ROLLING SECTION FOR ROLLING GATES OF 10'-0" & APEX HT. LESS THAN 8'-0" ABOVE LOWEST ADJACENT GRADE ARE EXEMPT FROM WELDING SPECIAL INSPECTION.

TUBE STEEL GATE KICKPLATE

6" = 1'-0" | 09



CANTILEVERED PANEL

1. FENCE PANEL; AMERISTAR, AEGIS II, CLASSIC, 2-RAIL
2. 1" 14 GAUGE PICKET
3. END OR CORNER POST: 3" SQ. X 12 GA; BY MANUFACTURER
4. FLAT MOUNT BRACKET OR PLUS SWIVEL OR UNIVERSAL BOULEVARD BRACK
5. BASE MATERIAL & SUBGRADE
6. CONCRETE POST CAISSON; 13 / REFER TO DTL.
7. FINISH SURFACE; PER MATERIALS PLAN
8. 2" SQ. CANTILEVERED FENCE PANEL FRAME; WELD CONT., TO POST
9. EXISTING FENCE/ BLDG/WALL

NOTES:
A. ALL COMPONENTS ARE TO HAVE A SHOP APPLIED POWDER COAT FINISH. REFER TO KEYNOTE LEGEND FOR FINISH.
B. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION
C. VALUES SHOWN ARE NOMINAL AND NOT TO BE USED FOR INSTALLATION PURPOSES. SEE PRODUCT SPECIFICATION FOR INSTALLATION REQUIREMENTS.
D. WHERE FENCE IS LOCATED ON TOP OF WALL, SEE 01 / L5.02

NOT PART OF THE DSA APPROVAL PER IR A22

TUBE STEEL FENCE

1/2" = 1'-0" | 01

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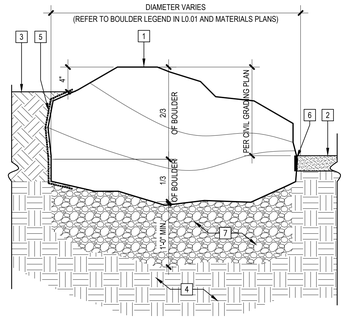
Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/05/2025
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL - V2	03/13/2026

Job Number	33366
Checked By	AG /SC
Scale	AS NOTED

CONSTRUCTION DETAILS

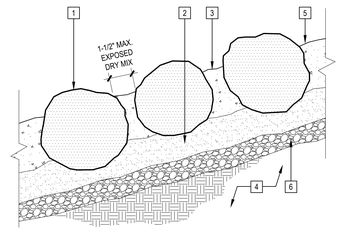
L5.03



1. BOULDER PER BOULDER LEGEND IN L0.01
2. FINISHED SURFACE, WHERE OCCURS, SEE MATERIALS PLAN
3. FINISHED GRADE AT PLANTING AREA, WHERE OCCURS
4. COMPACTED SUBGRADE PER GEOTECH REPORT
5. SINGLE LAYER OF MIRAFI 140N FILTER FABRIC SOIL SEPARATOR
6. EXPANSION JOINT AT VERTICAL SURFACE PER (06 / L5.01)
7. AGGREGATE BASE PER GEOTECH REPORT

NOTE:
A. BOULDERS AVAILABLE THROUGH MANUFACTURER ON THE BOULDER LEGEND.
B. PROVISIONS ARE TO BE MADE FOR THE PLACEMENT OF BOULDERS ON SITE USING A METHOD ALLOWING FOR FULL 360 DEGREE ROTATION OF BOULDER IN AIR SUCH AS ARTICULATED KNUCKLE BOOM. NO BACK HOE, DRAGGING OR PUSHING OF BOULDERS WILL BE ACCEPTABLE.
C. BOULDERS SHALL BE POWER WASHED PRIOR TO PLACEMENT.
D. FINAL BOULDER LOCATION TO BE SELECTED BY LANDSCAPE ARCHITECT ON SITE DURING INSTALLATION.
E. BOULDER DIAMETER VARIES. REFER TO TABLE AT LEFT AND MATERIALS PLANS FOR BOULDER TYPES, SIZES, AND LOCATION.
F. NATIVE OR FILL SOIL SUPPORTING EXTERIOR NON-STRUCTURAL FLATWORK AND UNPAVED LANDSCAPING AREAS ARE EXEMPT FROM SPECIAL INSPECTION AND TESTING.
G. 1/2" THIVK CEMENT MORTAR IN BETWEEN BOULDERS.

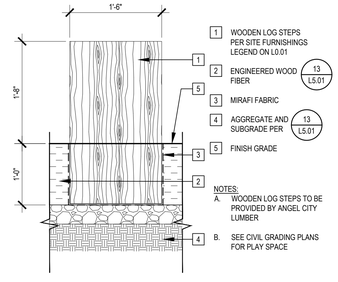
BOULDER RETAINING WALL — 1" = 1'-0" — 16



1. HAND SET COBBLE PER LAYOUT AND MATERIALS PLAN
2. 2" SAND LEVELING BED
3. 4" DRY MIX: 1 PART PORTLAND CEMENT, 4 PARTS SAND. WET MORTAR SET.
4. COMPACTED SUBGRADE PER SPECS SECTION 312316
5. FINISHED SURFACE @ SLOPE (WHERE OCCURS)
6. BASE MATERIAL - 4" THICKNESS

NOTES:
A. CONTRACTOR TO PROVIDE FIELD MOCK-UP FOR LANDSCAPE ARCHITECT REVIEW PRIOR TO CONSTRUCTION.
B. EMBED COBBLES APPROXIMATELY 50% THEIR DEPTH INTO DRY MIX

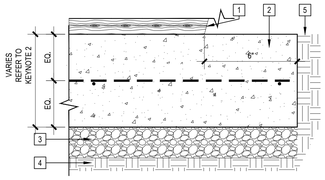
MORTAR SET COBBLE — 3"=1'-0" — 12



1. WOODEN LOG STEPS PER SITE FURNISHINGS LEGEND ON L0.01
2. ENGINEERED WOOD FIBER (13 / L5.01)
3. MIRAFI FABRIC
4. AGGREGATE AND SUBGRADE PER (13 / L5.01)
5. FINISH GRADE

NOTES:
A. WOODEN LOG STEPS TO BE PROVIDED BY ANGEL CITY LUMBER
B. SEE CIVIL GRADING PLANS FOR PLAY SPACE

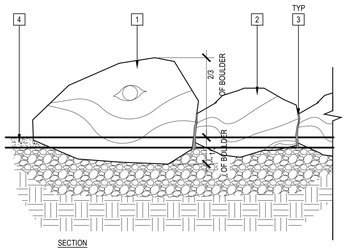
WOODEN LOG STEPS — 1" = 1'-0" — 08



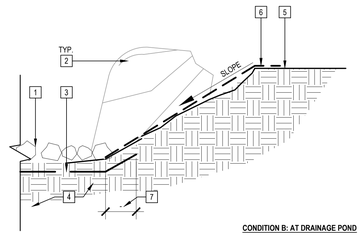
1. WOOD BOAT
2. 6" THICK CONCRETE SLAB
3. AGGREGATE BASE SEE CIVIL
4. SUBGRADE COMPACTION & OVER EXCAVATION SEE CIVIL
5. FINISH GRADE: SEE MATERIAL PER MATERIALS PLAN

NOTES:
A. SAWCUT & EXPANSION JOINTS: REFER TO DETAIL. (02 / L5.01)
B. DO NOT ALLOW CONCRETE OVER-POUR INTO ADJACENT PLANTING AREA.
C. NATIVE OR FILL SOIL SUPPORTING EXTERIOR NON-STRUCTURAL FLATWORK AND UNPAVED LANDSCAPING AREAS ARE EXEMPT FROM SPECIAL INSPECTION AND TESTING.
D. CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED.

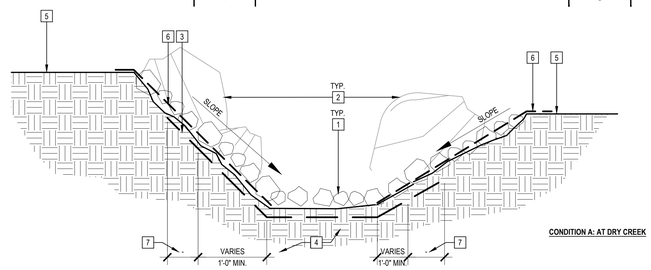
WOOD BOAT CONC. SLAB MOUNTING — 3" = 1'-0" — 04



SECTION



CONDITION B: AT DRAINAGE POND

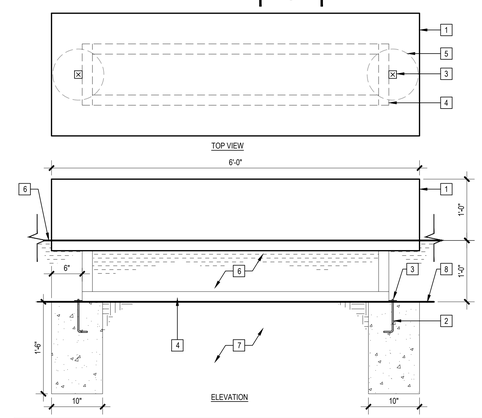


CONDITION A: AT DRY CREEK

1. MORTAR SET COBBLE: COLOR: 50% 3-8" RIVER COBBLE / 50% 8-12" MOUNTAIN COBBLE. (12 / -)
2. BOULDER WHERE OCCURS PER MATERIALS PLANS (12 / L5.01)
3. 'MIRAFI' FILTER FABRIC
4. SUBGRADE COMPACTION AND OVER EXCAVATION SEE CIVIL
5. FINISH GRADE
6. JUTE MESH
7. FILTER FABRIC TO GO BEYOND COBBLE BY 1'-0" MINIMUM

NOTES:
A. SEE CIVIL GRADING PLANS FOR SLOPE.
B. PROVIDE JUTE MESH PER SPECIFICATIONS FOR 2:1 AND GREATER SLOPES.
C. COBBLE SHALL BE PLACED SO THAT NO VISIBLE SOIL SHALL OCCUR.

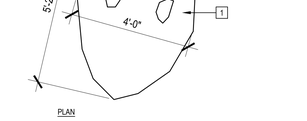
COBBLE AT DRY CREEK — 1/2" = 1'-0" — 11



1. WOOD LOG PER SITE FURNISHINGS LEGEND ON L0.01
2. J-BOLT
3. STEEL TAB
4. STEEL FRAME
5. CONCRETE FOOTING
6. ENGINEERED WOOD FIBER
7. COMPACTED BASE AND SUBGRADE
8. FINISH GRADE

NOTES:
A. AFTER CUTTING, BARK TO BE REMOVED FROM ALL SIDES OF LOG.
B. RESIN TO BE APPLIED TO ALL SIDES OF WOOD AFTER BARK REMOVAL. CONTRACTOR TO SUBMIT CUT SHEETS OF ALL CHEMICAL PRODUCTS PRIOR TO APPLICATION FOR LANDSCAPE ARCHITECT'S REVIEW AND OEHS CHEMICAL EVALUATION APPROVAL.
C. LOG LOCATION TO BE SELECTED BY LANDSCAPE ARCHITECT ON SITE PRIOR TO CONCRETE FOOTING INSTALLATION.
D. LOG DIMENSIONS WILL VARY. CONTRACTOR TO ADVISE LANDSCAPE ARCHITECT IF DIMENSIONS DO NOT FALL WITHIN RANGE PER DETAIL.

WOOD LOG — 1" = 1'-0" — 03

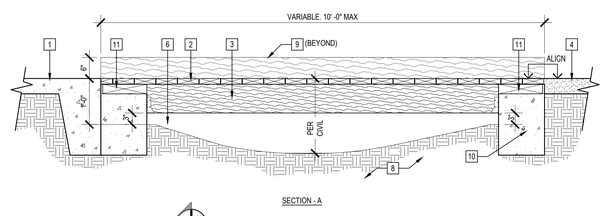


PLAN

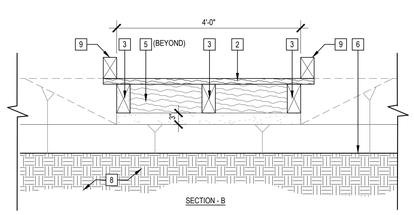
1. BOULDER 'H' PER BOULDER LEGEND ON L0.01
2. BOULDER 'B' PER BOULDER LEGEND ON L0.01
3. 1" THICK CEMENT MORTAR IN BETWEEN BOULDERS, TYP.
4. DECOMPOSTED GRANITE PAVING PER (10 / L5.01)

NOTES:
A. BOULDERS AVAILABLE THROUGH SOUTHWEST BOULDERS.
B. SNAKE CARVINGS IN FIRST AND LAST BOULDER TO BE APPROVED BY LANDSCAPE ARCHITECT.
C. PROVISIONS ARE TO BE MADE FOR THE PLACEMENT OF BOULDERS ON SITE USING A METHOD ALLOWING FOR FULL 360 DEGREE ROTATION OF BOULDER IN AIR SUCH AS ARTICULATED KNUCKLE BOOM. NO BACK HOE, DRAGGING OR PUSHING OF BOULDERS WILL BE ACCEPTABLE. BOULDERS SHALL BE POWER WASHED PRIOR TO PLACEMENT.

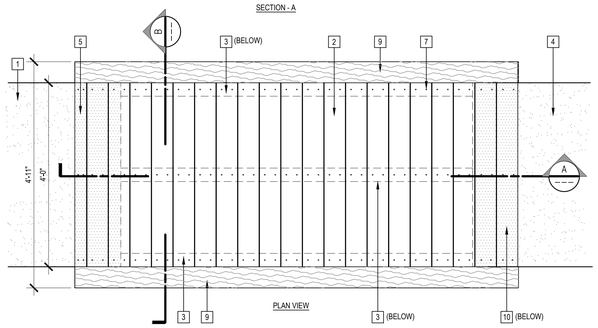
BOULDER SNAKE — 1/2" = 1'-0" — 22



SECTION - A



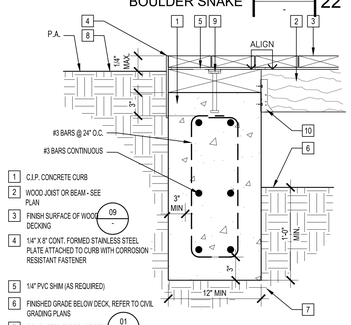
SECTION - B



1. CONCRETE PAVING ADJACENT TO WOOD BRIDGE PER MATERIALS PLAN (01 / L5.01)
2. 2X6 A.Y.C. NO. 1 PRESSURE TREATED DECK BOARDS, HOT-DIP GALVANISED. REFER TO MATERIALS PLAN FOR TYPE.
3. 4X8 A.Y.C. NO.1 PRESSURE TREATED BEAM; HOT-DIP GALVANIZED STANDARD/OFFSET WP HANGER TYP. AT ENDS
4. DECOMPOSED GRANITE FINISH SURFACE PER MATERIALS PLAN
5. 3X8 P.T.D.F. LEDGER
6. FINISH GRADE BELOW DECK
7. (2) #9 STAINLESS STEEL SCREWS PER DECK BOARDS AT EACH SUPPORT
8. COMPACTED SUBGRADE PER (01 / L5.01)
9. 4" X 6" WOOD CURB. COUNTER SUNK SCREW AT C.L. OF EVERY 3RD DECK PLANK
10. CONCRETE RETAINING WALL/BRIDGE SUPPORT. (21 / -)
11. 4X P.T.D.F. CONT. NAILER W/ 3/4" SS HEADED ANCHORS @ 24" O.C. COUNTERSUNK, 6" EMBEDMENT

NOTE:
A. CONTRACTOR TO PROVIDE FULLY CONCEALED TIES, STRAPS, ATTACHMENTS AND CLIPS FOR CONNECTING DECKING AND DECK STRUCTURE.
B. REFER TO MATERIALS PLAN FOR WOOD DECKING AND CURB TYPE.

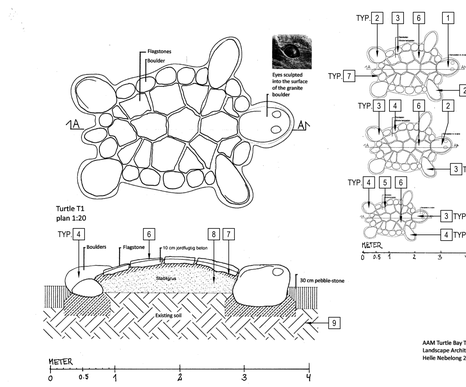
WOOD BRIDGE — 3/4" = 1'-0" — 09



1. C.I.P. CONCRETE CURB
2. WOOD JOIST OR BEAM - SEE PLAN
3. FINISH SURFACE OF WOOD DECKING (09 / -)
4. 1/4" X 8" CONT. FORMED STAINLESS STEEL PLATE ATTACHED TO CURB WITH CORROSION RESISTANT FASTENER
5. 1/4" PVC SHIM (AS REQUIRED)
6. FINISHED GRADE BELOW DECK, REFER TO CIVIL GRADING PLANS
7. COMPACTED SUBGRADE PER (01 / L5.01)
8. FINISHED GRADE AT PERIMETER, REFER TO MATERIAL PLANS FOR ADJACENT MATERIAL
9. 4X P.T.D.F. CONT. NAILER W/ 3/4" SS HEADED ANCHORS @ 24" O.C. COUNTERSUNK, 6" EMBEDMENT
10. SIMP. "HUCTF" S.S. HANGER PER ICC-ES ESR-2553 TYP. NOTE: PROVIDE MIN. 8-16D NAILS TO NAILER

NOTES:
1. VERIFY TOP OF WALL ELEVATIONS WITH CIVIL GRADING PLANS
2. ALL HARDWARE AND FASTENERS IN CONTACT WITH P.T. WOOD SHALL BE STAINLESS STEEL

CONCRETE CURB @ WOOD BRIDGE — 1-1/2" = 1'-0" — 21



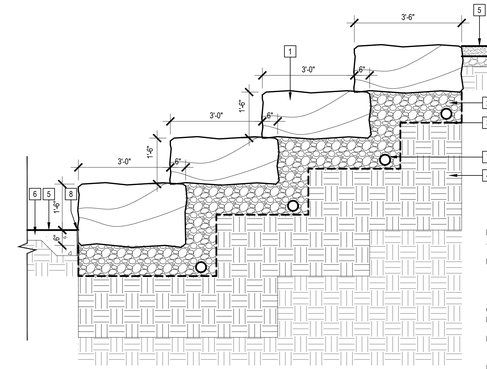
AAM Turtle Bay Turtles 1:20 & 1:50
Landscape Architect sea, sea, sea
Helle Nebelong 28Nov2025

1. 3' DIAMETER BOULDER
2. 2.5' DIAMETER BOULDER
3. 2' DIAMETER BOULDER
4. 1.5' DIAMETER BOULDER
5. 1' DIAMETER BOULDER
6. FLAGSTONE PAVER PER (22 / L5.01)
7. MORTAR; MAX 1-1/2" THICK
8. STABILIZER
9. COMPACTED SUBGRADE AND BASE MATERIAL (01 / L5.01)

NOTE:
A. BOULDERS AVAILABLE THROUGH SOUTHWEST BOULDER; REFER TO BOULDER LEGEND IN L0.01.
B. PROVISIONS ARE TO BE MADE FOR THE PLACEMENT OF BOULDERS ON SITE USING A METHOD ALLOWING FOR FULL 360 DEGREE ROTATION OF BOULDER IN AIR SUCH AS ARTICULATED KNUCKLE BOOM. NO BACK HOE, DRAGGING OR PUSHING OF BOULDERS WILL BE ACCEPTABLE.
C. BOULDERS SHALL BE POWER WASHED PRIOR TO PLACEMENT.
D. FINAL BOULDER LOCATION TO BE SELECTED BY LANDSCAPE ARCHITECT ON SITE DURING INSTALLATION.
E. NATIVE OR FILL SOIL SUPPORTING EXTERIOR NON-STRUCTURAL FLATWORK AND UNPAVED LANDSCAPING AREAS ARE EXEMPT FROM SPECIAL INSPECTION AND TESTING.

STONE TURTLE — N.T.S. — 01

BOULDER AMPHITHEATER SEATING — 1/2" = 1'-0" — 02



1. BOULDER PER BOULDER SCHEDULE L0.01
2. AGGREGATE BASE; REFER TO GEOTECH REPORT
3. SOIL SEPARATOR FABRIC "MIRAFI" 140N
4. SUBGRADE; REFER TO GEOTECH REPORT FOR COMPACTION, SCARIFICATION, AND OVER EXCAVATION
5. FINISH SURFACE
6. FINISHED SURFACE, WHERE OCCURS, SEE MATERIALS PLAN
7. 4" PERFORATED DRAINLINE INSTALLED W/PERFORATION DOWN. 1% MIN. GRADIENT FLOW TO POINT OF CONNECTION. CONNECT TO CIVIL STORM DRAIN LINE PER CIVIL STORM DRAIN PLAN
8. EXPANSION JOINT AT VERTICAL SURFACE (05 / L5.01)

NOTES:
A. BOULDERS ARE TO BE SELECTED BY LANDSCAPE ARCHITECT FROM SUPPLY YARD.
B. PROVISIONS ARE TO BE MADE FOR THE PLACEMENT OF BOULDERS ON SITE USING A METHOD ALLOWING FOR FULL 360 DEGREE ROTATION OF BOULDER IN AIR SUCH AS ARTICULATED KNUCKLE BOOM. NO BACK HOE, DRAGGING OR PUSHING OF BOULDERS WILL BE ACCEPTABLE.
C. BOULDERS SHALL BE POWER WASHED PRIOR TO PLACEMENT.
D. BOULDER LOCATION TO BE SELECTED BY LANDSCAPE ARCHITECT ON SITE DURING INSTALLATION.
E. BOULDER DIAMETER VARIES. REFER TO BOULDER SCHEDULE ON 04-L0.01 AND MATERIALS PLANS FOR BOULDER TYPES, SIZES, AND LOCATION.
F. BOULDERS TO BE CUT TO SIZE PER DIMENSION: 3'-6" LENGTH X 3'-6" WIDTH X 1'-6" HEIGHT.

BOULDER AMPHITHEATER SEATING — 1/2" = 1'-0" — 02

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DIV. OF THE STATE ARCHITECT
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SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

LPA

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Developed for
PASADENA UNIFIED SCHOOL DISTRICT

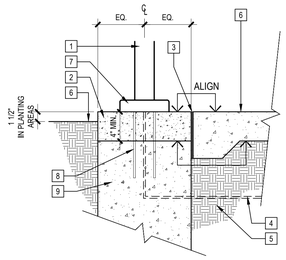
Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/05/2025
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

Job Number	33366
Checked By	AG /SC
Scale	AS NOTED

CONSTRUCTION DETAILS

L5.04

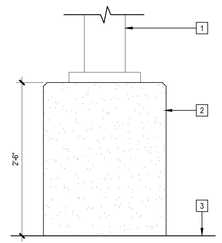


1 LIGHT POLE PER ELECTRICAL PLAN
2 2'x2' SQ. CONCRETE TOPPING SLAB
3 EXPANSION JOINT WHERE PAVEMENT OCCURS PER 02 / L5.01
4 CONDUIT PER ELECTRICAL PLAN
5 COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
6 FINISH SURFACE/ FINISH GRADE
7 BASE COVER PER MANUFACTURER.
8 ANCHOR BOLTS PER MANUFACTURER'S RECOMMENDATIONS.
9 C.I.P. FOOTING, DIMENSIONS AND REINFORCEMENT PER 04 / S1.11

NOTES:

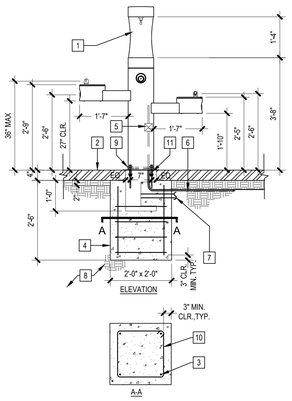
1. INSTALL ALL COMPONENTS PER MANUFACTURER'S RECOMMENDATIONS.

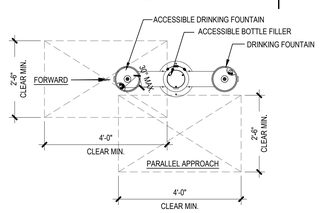
LIGHT POLE BASE — 3/4" = 1'-0" — 11



1 LIGHT POLE; FOR MODEL TYPE REFER TO ELECTRICAL LIGHTING FIXTURE SCHEDULE.
2 CONC. CAISSON BASE; MED. SANDBLAST FINISH; NATURAL GRAY COLOR; REFER TO STRUCTURAL 05 / S1.11
3 FINISH SURFACE/ FINISH GRADE

LIGHT POLE BASE AT PARKING LOT — 1" = 1'-0" — 10

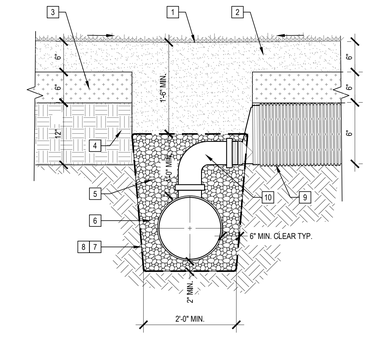




1 DRINKING FOUNTAIN. SEE SITE FURNISHINGS LEGEND.
2 CONCRETE PAVING/PAD - FINISH & COLOR PER MATERIALS PLANS
3 (4)#6 VERT. BARS
4 CONCRETE FOOTING
5 1/2" NIBCOT 685-66-LF VALVE INTEGRATED INTO FOUNTAIN.
6 3/8" REINFORCED NYLOBROID TUBING W/ 1/2" MIP. CONNECT TO SHUT-OFF VALVE AND STUB OUT.
7 1 1/2" PVC DRAINLINE. CONNECT TO DRYWELL. SEE CIVIL PLANS.
8 BASE MATERIAL & COMPACTED SUBGRADE PER GEO REPORT
9 SURFACE ADAPTOR & TEMPLATE, 10 NS. (4) 5/8" DIA. SS HILTI KB-TZ2 EXPANSION ANCHORS W/ 2-3/4" EMBED ICC ESR-4266
10 #4 TIES @ 6" O.C.
11 BOLT CENTERED UNDER "ADA ARM"

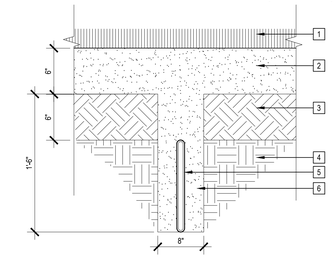
NOTE:
1. WATER FLOW FROM SPIGOT SHALL BE MINIMUM 4" IN HEIGHT.
2.CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED.

DRINKING FOUNTAIN — 1" = 1'-0" — 09



1 FINISH GRADE OF ATHLETIC SOD
2 NATURAL TURF AND 6" SAND SUBBASE PER LANDSCAPE PLANTING PLANS
3 6" AMENDED SOIL PER SPECS
4 EXISTING SUBGRADE, SCARIFY RIP AND CROSS RIP PER GEOTECHNICAL REPORT
5 3/4" ANGULAR WASHED CLEAN DRAIN ROCK
6 PERFORATED HDPE DRAIN PIPE PER CIVIL PLANS
7 BATTER SIDES OF TRENCH 1:12
8 WRAP SUBDRAIN TRENCH DRAIN ROCK WITH MIRAFI 140N FILTER FABRIC WITHOUT WRINKLES OR DEFORMITIES
9 12" MULTIFLOW FLAT DRAIN, MODEL 1200 WITH SLEEVE. INSTALL VERTICALLY PER 06 / -
10 CONNECT SUBDRAIN TO PERFORATED PIPE DRAIN PER CIVIL PLANS.

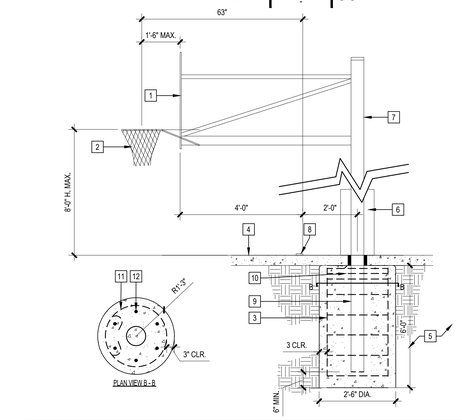
PERIMETER SUBDRAIN — NTS — 07



1 NATURAL TURF BIG ROLL SOD, PER PLANTING PLANS
2 USGA SAND-BASED GROWING MEDIUM ROOT ZONE: (SEE SPECS)
3 AMENDED ONSITE SOIL ROTO-TILLED OR INCORPORATED PER GEOTECHNICAL REPORT
4 EXISTING SUBGRADE PER GEOTECHNICAL REPORT. SCARIFY, RIP AND CROSS RIP TOP A MIN OF 12".
5 12" MULTI FLOW VERTICAL DRAIN WITH FILTER FABRIC PER CIVIL
6 SAND CHANNEL PER CIVIL

NOTES:
A. PROVIDE HARD PIPE CONNECTION FROM VERTICAL DRAINS TO PERIMETER TRENCH STORM DRAINAGE PER 07 / -

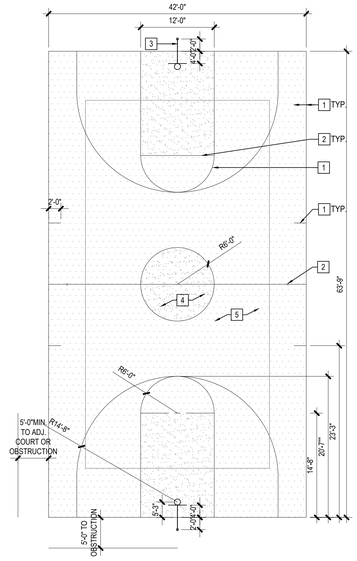
NATURAL TURF — 1 1/2" = 1'-0" — 06



1 BASKETBALL BACKBOARD. FOR ADDITIONAL INFORMATION REFER TO SITE FURNISHING LEGEND, L0.01.
2 HEAVY DUTY BREAKAWAY DOUBLE RIM GOAL W/MOUNTING HARDWARE & NET.
3 CONCRETE FOOTING
4 AC PAVING PER CIVIL PLANS
5 SUBGRADE PER GEOTECHNICAL REPORT
6 PP-656 PAD AT POST, 6 FT. ABOVE FINISH GRADE. GRAPHICS TBD BY DISTRICT
7 5-9/16" O.D. HEAVY DUTY SCHEDULE 40 (0.258" THK.) GALVANIZED STEEL UPRIGHT POST WITH TOP END CAPPED. SEE SITE FURNISHINGS LEGEND, L0.01. FOR COLOR AND FINISH.
8 COURT STRIPING PER 02 / -
9 NON-TWIST SLEEVE
10 (3) TIES WITHIN 5" OF CAISSON TOP
11 #3 CLOSED TIES @ 8" O/C
12 (6) #5 VERTICAL BARS

NOTES:
A. ALL COMPONENTS ARE PER THE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR IS TO VERIFY ALL MODEL #'S TO MATCH WRITTEN DESCRIPTION & FOR DUPLICATION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
B. ALL FASTENERS TO BE STAINLESS STEEL.
C. POST AND ADJUSTABLE OFFSET SHALL BE POWDERCOATED BLACK TO MATCH

BASKETBALL POLE & BACKBOARD ASSEMBLY — 1/2"=1'-0" — 01



1 SOLID YELLOW LINE
2 SOLID WHITE LINE
3 BASKETBALL HOOP PER EXISTING BASKETBALL HOOP
4 SOLAR REFLECTIVE PAVEMENT COATING PER SPECIFICATIONS - COLOR TBD
5 SOLAR REFLECTIVE PAVEMENT COATING PER SPECIFICATIONS - COLOR TBD

BASKETBALL COURT STRIPING — N.T.S. — 02

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Revision	Date

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DSA SUBMITTAL	02/02/2026
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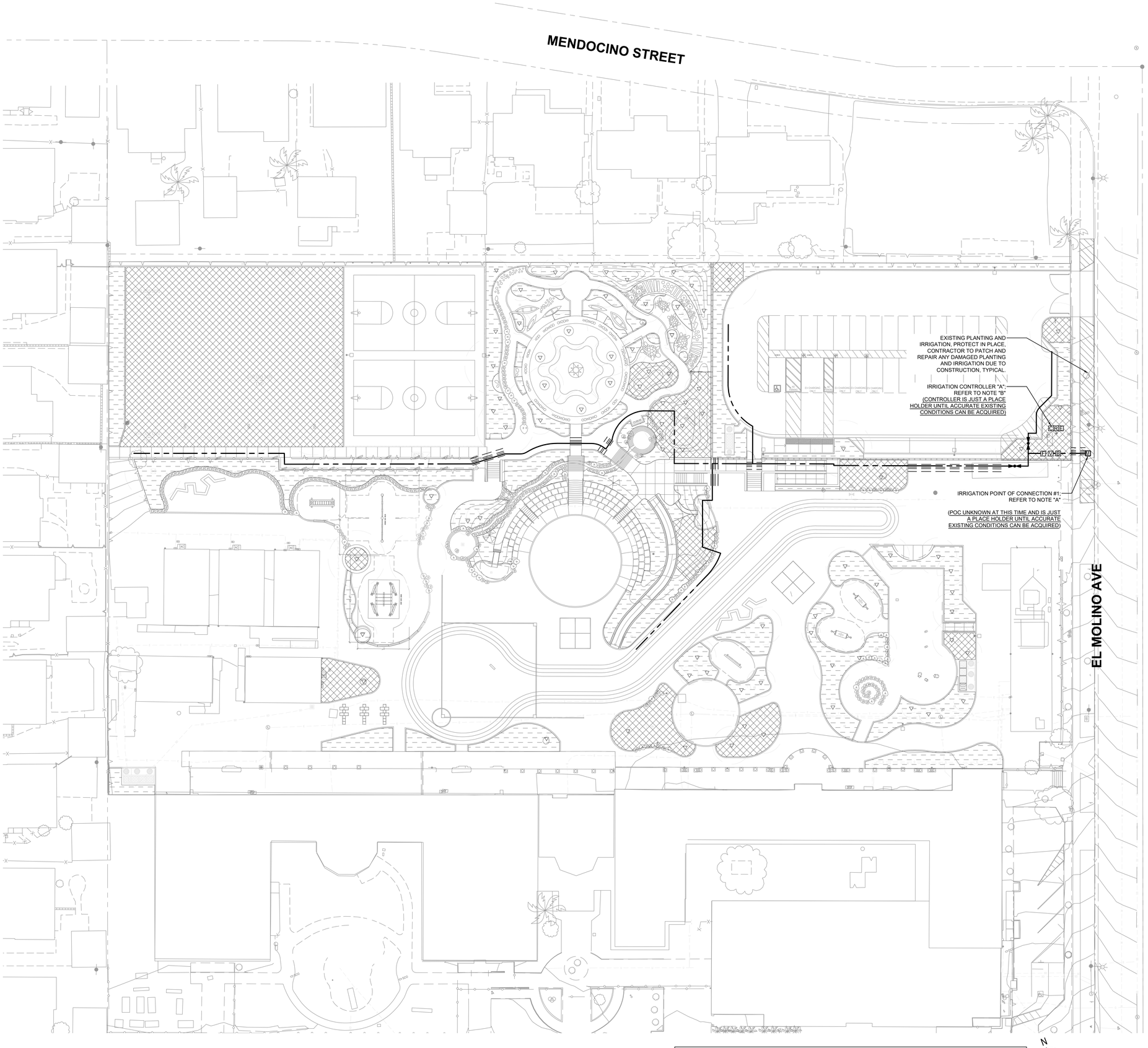
Scale	AS NOTED

CONSTRUCTION DETAILS

L5.05



NOTE A:
POINT OF CONNECTION (POC) #1 SHALL BE A X" DOMESTIC WATER METER WITH A X" SERVICE LINE. (POC UNKNOWN AT THIS TIME AND IS JUST A PLACE HOLDER UNTIL ACCURATE EXISTING CONDITIONS CAN BE ACQUIRED) THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION, WATER TYPE, METER SIZE AND WATER PRESSURE IN THE FIELD PRIOR TO STARTING WORK. MEASUREMENT OF THE STATIC (NO WATER MOVING) WATER PRESSURE IS ACCEPTABLE FOR POTABLE WATER SYSTEMS WHERE NO PUMP HAS BEEN INDICATED ON THESE PLANS. WHEN USING RECYCLED WATER, OR ON POTABLE WATER SYSTEMS REQUIRING A PUMP, ONLY THE MEASUREMENT OF DYNAMIC (WATER MOVING THROUGH THE METER) WATER PRESSURE, SHALL BE ACCEPTABLE. THE DYNAMIC WATER PRESSURE SHALL BE MEASURED AT THE MAXIMUM SYSTEM DEMAND AS INDICATED BELOW. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWING IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION GATHERED IN THE FIELD, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT. SHOULD THE CONTRACTOR FAIL TO VERIFY THE POC INFORMATION AS SHOWN HEREIN, ANY CHANGES REQUIRED BY LOW PRESSURE OR VOLUME SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

WATER PRESSURE AT POC:	N/A	PSI (STATIC)
DESIGN WATER PRESSURE:	N/A	PSI
MAXIMUM SYSTEM DEMAND:	N/A	GPM
PRESSURE BOOST REQUIRED:	N/A	PSI
RESIDUAL WATER PRESSURE:	N/A	PSI

NOTE B:
(CONTROLLER IS JUST A PLACE HOLDER UNTIL ACCURATE EXISTING CONDITIONS CAN BE ACQUIRED)
CONTROLLER "A" SHALL BE OF THE BRAND, MODEL AND STATION SIZE AS INDICATED ON THE IRRIGATION MATERIALS LEGEND. THE CONTROLLER SHALL BE INSTALLED IN THE APPROXIMATE LOCATION SHOWN. THE CONTRACTOR SHALL COORDINATE THE REQUIRED ELECTRICAL POWER SUPPLY AT THIS LOCATION WITH THE OWNER'S AUTHORIZED REPRESENTATIVE. FINAL LOCATION OF CONTROLLER AND ELECTRICAL POINT OF CONNECTION SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE C:
THESE PLANS ARE DIAGRAMMATIC, THE MAINLINE AND RELATED IRRIGATION EQUIPMENT IS SHOWN WITHIN THE PAVING FOR CLARITY ONLY. THE ACTUAL LOCATION OF MAINLINE AND RELATED IRRIGATION EQUIPMENT SHALL BE WITHIN PLANTER AND A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES, TYPICAL.

NOTE D:
CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR IN THE LANDSCAPE, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, TREES, ETC. WHEN A SLIGHT RELOCATION OF THE HEAD IS NOT SUFFICIENT TO CLEAR THE OBSTACLE, OR IF IT NEGATIVELY AFFECTS THE COVERAGE, AN ADDITIONAL HEAD SHALL BE INSTALLED TO PLACE ONE HEAD ON EITHER SIDE OF THE OBSTACLE. THE NOZZLES OF THESE TWO HEADS SHALL HAVE ARC PATTERNS THAT ADD UP TO THE ORIGINAL ARC PATTERN OF THE HEAD INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL HEAD LAYOUT WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE E:
THESE PLANS ARE DIAGRAMMATIC, TREE BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN THE PAVING FOR CLARITY ONLY. THE ACTUAL LOCATIONS SHALL BE WITHIN THE PLANTER. THE TREE BUBBLERS SHALL BE ALIGNED WITH TREES AS SHOWN ON THE PLANTING PLANS, AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL CONFIRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE F:
PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE OWNER AND LANDSCAPE ARCHITECT A SCALED SHOP DRAWING INDICATING THE PROPOSED LOCATIONS FOR THE IRRIGATION EQUIPMENT LISTED BELOW. THE SHOP DRAWING SHALL BE PREPARED TO THE SATISFACTION OF THE OWNER AND LANDSCAPE ARCHITECT. SHOP DRAWINGS MUST INCLUDE THE PROPOSED LOCATIONS FOR THE FOLLOWING ITEMS:

1. POINT OF CONNECTION (INCLUDING WATER POC, BACK FLOW DEVICES, MASTER CONTROL VALVES, FLOW SENSORS, ETC.)
2. ISOLATION VALVES
3. AUTOMATIC CONTROL VALVES (INDICATE STATION NUMBER)
4. QUICK COUPLING VALVES
5. IRRIGATION CONTROLLER(S)
6. RELATED EQUIPMENT (AS MAY BE DIRECTED).

EACH PIECE OF AFOREMENTIONED EQUIPMENT SHALL HAVE IT'S PROPOSED INSTALLED LOCATION SHOWN ON THE SHOP DRAWINGS. THE SYMBOL FOR EACH PRODUCT SHALL BE A SCALED REPRESENTATION OF THE FOOTPRINT OF THE EQUIPMENT OR THE VALVE BOX IN WHICH THE EQUIPMENT IS INSTALLED. CONTRACTOR SHALL INSTALL ALL VALVE BOXES AND RELATED EQUIPMENT PER THE OWNER APPROVED SHOP DRAWINGS. ONCE THE SHOP DRAWING LOCATIONS ARE APPROVED, THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE WILL ALLOW NO ADJUSTMENTS TO THE APPROVED VALVE BOX PLACEMENT WITHOUT PRIOR WRITTEN ACCEPTANCE. ANY IRRIGATION EQUIPMENT INSTALLED WITHOUT PRIOR APPROVAL WITH SHOP DRAWINGS WILL BE SUBJECT TO RELOCATION BASED ON DIRECTION BY THE LANDSCAPE ARCHITECT AT THE CONTRACTOR'S EXPENSE.

PATCH AND REPAIR

OVERHEAD IRRIGATION

POINT SOURCE IRRIGATION

I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE

SIGNATURE: 01-28-26 DATE:

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

IRRIGATION PLAN 1" = 20' 05

0 10 20 40

811

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

LPA

ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING

949-261-1001 Office

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Developed for
PASADENA UNIFIED SCHOOL DISTRICT

Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/05/2025
DSA SUBMITTAL	02/02/2026

Job Number	33366
Checked By	AG /SC
Scale	1" = 20'

IRRIGATION PLAN

L6.01

WATER AUDIT AND MAINTENANCE SCHEDULE

THE CONTRACTOR WILL CONDUCT AN IRRIGATION AUDIT USING A CERTIFIED IRRIGATION AUDITOR, AFTER THE FINAL FIELD OBSERVATION HAS BEEN COMPLETED AND ALL IRRIGATION COMPONENTS ARE INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THE IRRIGATION SYSTEM IS ACCEPTED BY THE PROJECT ARCHITECT FOR MAINTENANCE.

THE IRRIGATION AUDIT WILL BE CONDUCTED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

1. PLACE FLAGS AT EACH HEAD IN THE ZONE
2. MEASURE SPACING AND MARK MID POINTS BETWEEN HEADS.
3. PLACE WATER MEASURING RECEPTACLES.
4. TAKE READINGS OF WATER LEVEL IN RECEPTACLES AND RECORD RESULTS.
5. MEASURE HEAD PRESSURE IN EACH ZONE AND RECORD RESULTS.
6. AFTER COMPLETING ZONE ADVANCE TO NEXT ZONE AND REPEAT PROCEDURE.
7. SUBMIT THE RESULTS OF THE AUDIT TO THE PROJECT ARCHITECT.

THE IRRIGATION MAINTENANCE SCHEDULE TASKS LISTED BELOW ARE INTENDED AS MINIMUM STANDARDS AND MORE FREQUENT ATTENTION MAY BE REQUIRED DEPENDING ON THE PARTICULAR SITE CONDITIONS.

MAINTENANCE TASK

1. CONTROLLER CABINET - OPEN CABINET AND CLEAN OUT DEBRIS AND REPLACE BATTERY AS NECESSARY. CHECK WIRING AND REPAIR AS NEEDED AND CHECK CLOCK AND RESET IF NECESSARY.
FREQUENCY: QUARTERLY

2. IRRIGATION SCHEDULE - ADJUST SCHEDULE FOR SEASONAL VARIATIONS AND OTHER CONDITIONS WHICH MAY AFFECT THE AMOUNT OF WATER NEEDED TO MAINTAIN PLANT HEALTH ADJUST AS NECESSARY.
FREQUENCY: MONTHLY

3. POC - VISUALLY INSPECT COMPONENTS FOR LEAKS, PRESSURE SETTINGS, SETTLEMENT OR OTHER DAMAGE AFFECTING THE OPERATION OF A COMPONENT. REPAIR AS NEEDED.
FREQUENCY: QUARTERLY

4. REMOTE CONTROL VALVES, ISOLATION VALVES AND QUICK COUPLER VALVES - VISUALLY INSPECT FOR LEAKS, SETTLEMENT, WIRE CONNECTIONS AND PRESSURE SETTINGS. REPAIR OR ADJUST AS NEEDED.
FREQUENCY: QUARTERLY

5. MAINLINE & LATERALS - VISUALLY INSPECT FOR LEAKS OR SETTLEMENT OF TRENCH.
FREQUENCY: QUARTERLY

6. SPRINKLERS - VISUALLY CHECK FOR ANY BROKEN MISALIGNED OR CLOGGED HEADS. HEADS WITH INCORRECT ARC, INADEQUATE COVERAGE OR OVERSPRAY AND LOW HEAD DRAINAGE. REPAIR AS NEEDED.
FREQUENCY: WEEKLY

7. FILTERS AND STRAINERS - VISUALLY CHECK FOR LEAKS, BROKEN FITTING, CLEAN AND FLUSH SCREENS.

AUDIT SHALL BE IN ACCORDANCE WITH THE LATEST STATE OF CALIFORNIA LANDSCAPE WATER MANAGEMENT PROGRAM AS DESCRIBED IN THE LATEST LANDSCAPE IRRIGATION AUDITOR HANDBOOK. THE LANDSCAPE IRRIGATION AUDITS TO BE CONDUCTED BY A QUALIFIED INDIVIDUAL AND THE AUDIT SCHEDULE SHALL BE CONDUCTED AT LEAST ONCE EVERY FIVE YEARS IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 20, DIVISION 1 OF THE LOS ANGELES COUNTY CODE.

MAINTENANCE SCHEDULES. A REGULAR MAINTENANCE SCHEDULE SATISFYING THE FOLLOWING CONDITIONS SHALL BE SUBMITTED AS PART OF THE LANDSCAPE DOCUMENTATION PACKAGE.

LANDSCAPE SHALL BE MAINTAINED TO ENSURE WATER EFFICIENCY. A REGULAR MAINTENANCE SCHEDULE SHALL INCLUDE, BUT NOT BE LIMITED TO, CHECKING, ADJUSTING, AND REPAIRING IRRIGATION EQUIPMENT, RESETTING THE AUTOMATIC CONTROLLER, AERATING AND DETHATCHING TURF AREAS, REPLENISHING MULCH, FERTILIZING, PRUNING, AND WEEDING IN ALL LANDSCAPE AREAS.

WHENEVER POSSIBLE, REPAIR OF IRRIGATION EQUIPMENT SHALL BE DONE WITH THE ORIGINALLY SPECIFIED MATERIALS OR THEIR EQUIVALENTS.

A LANDSCAPE IRRIGATION AUDIT SCHEDULE AS REQUIRED IN CHAPTER 20.09 OF TITLE 20 MAY BE RECOMMENDED. THE MAXIMUM PERIOD BETWEEN AUDITS SHALL BE FIVE YEARS.

LANDSCAPE IRRIGATION AUDIT SCHEDULES. A SCHEDULE OF LANDSCAPE IRRIGATION AUDITS OF AT LEAST EVERY FIVE YEARS MUST BE ESTABLISHED FOR ALL BUT SINGLE-FAMILY RESIDENCES, AND OTHER PROJECTS WITH LANDSCAPE AREA LESS THAN 1 ACRE (0.405 HA). AS REQUIRED IN CHAPTER 20.09 OF TITLE 20 (UTILITY CODES), AN AUDIT SATISFYING THE FOLLOWING CONDITIONS SHALL BE SUBMITTED TO THE COUNTY AS PART OF THE LANDSCAPE DOCUMENTATION PACKAGE.

AT A MINIMUM, AUDITS SHALL BE IN ACCORDANCE WITH THE LATEST STATE OF CALIFORNIA LANDSCAPE WATER MANAGEMENT PROGRAM AS DESCRIBED IN THE LANDSCAPE IRRIGATION AUDITOR HANDBOOK, PREPARED FOR THE CALIFORNIA DEPARTMENT OF WATER RESOURCES, WATER CONSERVATION OFFICE, THE ENTIRE DOCUMENT, WHICH IS HEREBY INCORPORATED BY REFERENCE.

THE SCHEDULE SHALL PROVIDE FOR LANDSCAPE IRRIGATION AUDITS TO BE CONDUCTED BY A QUALIFIED INDIVIDUAL AS DETERMINED BY THE DIRECTOR AT LEAST ONCE EVERY FIVE YEARS IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 20, DIVISION 1 OF THE LOS ANGELES COUNTY CODE.

CONTRACTOR TO PROTECT AND PRESERVE IN PLACE ALL EXISTING SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE RESET BY A LICENSED LAND SURVEYOR AND THE APPROPRIATE CORNER RECORD MUST BE FILED WITH THE COUNTY OF LOS ANGELES.

IRRIGATION NOTES

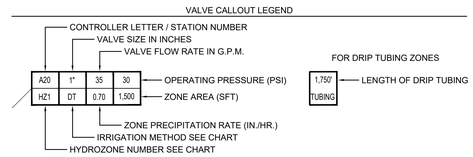
1. ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
3. THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
5. THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
6. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
7. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
8. ACTUAL LOCATION FOR THE INSTALLATION OF THE BACKFLOW PREVENTER AND THE AUTOMATIC CONTROLLER IS TO BE DETERMINED IN THE FIELD BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
9. CONTRACTOR IS TO PROVIDE AN ADDITIONAL PILOT WIRE FROM CONTROLLER ALONG ENTIRETY OF MAIN LINE TO THE LAST ROW ON EACH AND EVERY LEG OF MAIN LINE. LABEL SPARE WIRES AT BOTH ENDS.
10. ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
11. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER AND REMOTE CONTROL VALVES WITHIN 18" OF HARDSCAPE.
12. ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, FENCES AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT SCREW, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS AND THE REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC UNITS.
13. CONTRACTOR SHALL INSTALL ADDITIONAL CHECK VALVES TO HEADS AND LATERALS AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.
14. THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS. SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.
15. THE CONTRACTOR IS REQUIRED TO CONTACT DIGALERT OR 811 A MINIMUM OF TWO (2) DAYS PRIOR TO THE START OF ANY EXCAVATIONS ON THE PROJECT AND SPECIFICALLY PRIOR TO THE INSTALLATION OF ANY GROUNDING RODS. DIAL 811 OR LOG ONTO WWW.DIGALERT.ORG TO START A PROJECT TICKET. DIGALERT AND 811 IS A FREE SERVICE PROVIDED TO THE PROJECT. FAILURE TO CONTACT AND HAVE THE EXISTING UTILITIES IDENTIFIED, LOCATED AND MARKED SHALL MAKE THE CONTRACTOR SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGES.

IRRIGATION MATERIAL LEGEND

SYMBOL Q T H F	MANUFACTURER	MODEL NO. / DESCRIPTION	FLOW RATE (GPM)	PSI	RADIUS	PR. RATE	DETAIL
	RAIN BIRD	RD-12-S-P30-F 12" POP-UP SHRUB HEAD WITH 5Q/5H NOZZLES	.10, .20	30	5 FT	1.78 IN./HR.	A
	RAIN BIRD	RD-12-S-P30-F 12" POP-UP SHRUB HEAD WITH 8 SERIES HE-VAN ADJUSTABLE ARC NOZZLE	.29, .39, .59, 1.17	30	8 FT	2.03 IN./HR.	A
	RAIN BIRD	RD-12-S-P30-F 12" POP-UP SHRUB HEAD WITH 10 SERIES HE-VAN ADJUSTABLE ARC NOZZLE	.45, .59, .89, 1.78	30	10 FT	1.98 IN./HR.	A
	RAIN BIRD	RD-12-S-P30-F 12" POP-UP SHRUB HEAD WITH 12 SERIES HE-VAN ADJUSTABLE ARC NOZZLE	.59, .79, 1.18, 2.37	30	12 FT	1.83 IN./HR.	A
	RAIN BIRD	RD-12-S-P30-F 12" POP-UP SHRUB HEAD WITH 15 SERIES HE-VAN ADJUSTABLE ARC NOZZLE	.93, 1.23, 1.85, 3.70	30	15 FT	1.83 IN./HR.	A
▽	RAIN BIRD	RD-06-S-P30-F 6" POP-UP BUBBLER HEAD WITH A HUNTER MSBN-50Q STREAM BUBBLER NOZZLE EACH SYMBOL REPRESENTS TWO (2) BUBBLER TO PROVIDE A TOTAL OF TWO (2) BUBBLERS PER TREE. PLACE THE BUBBLER HEADS SIX (6) INCHES FROM THE ROOT BALL OF THE TREE AND ON OPPOSITE SIDES OF TREE. ADJUST BUBBLER STREAMS TO WET THE ROOT BALL AND ADJACENT AMENDED SOIL WITHOUT HITTING THE TRUNK OF THE TREE.	.50 (1.00 TOTAL)	30	1.5 FT	1.50 IN./HR.	A,B
NO SYMBOL	RAIN BIRD	SPRINKLER HEADS WITH 1/2" NPT INLETS SHALL BE INSTALLED WITH A SA-125050 POLY SWING JOINT AS PART OF THE ASSEMBLY					A
	GPH	GIH-12-BR 1/2" FLEXIBLE PVC RISER 12" LONG W/ GPST-1-D 2GPH EMITTER - DESERT CAMO EACH SYMBOL REPRESENTS 1 EMITTER PER 1 GALLONG SHRUB, 2 EMITTERS PER 5 GALLON SHRUB, AND 3 EMITTERS PER 15 GALLON. PLACE EMITTERS AT EDGE OF ROOTBALL TYPICAL	0.033 (2GPH)	30	N/A	N/A	C
M	P.O.C.	X" EXISTING POTABLE (DOMESTIC) DEDICATED IRRIGATION WATER METER WITH X" SERVICE LINE. VERIFY SIZE, LOCATION AND PRESSURE IN FIELD.					N/A
B	WILKINS	EXISTING X" R/P BACK FLOW PREVENTION DEVICE, PROTECT IN PLACE.					N/A
V	BERMAD	900 SIRIES 1 1/2" NORMALLY OPEN, COMBINATION MASTER CONTROL VALVE / FLOW SENSOR AS PART OF CONTROLLER ASSEMBLY. WIRE MCV TO THE CONTROLLER USING A SEPARATE PILOT AND GROUND WIRE, ROUTE INSIDE A 1" SCH. 40 PVC (GRAY) ELECTRICAL CONDUIT. INSTALL INSIDE A STANDARD RECTANGULAR CONCRETE VALVE BOX.					D
	MATCO-NORCO	759LF 2" BRASS, BALL VALVE WITH FIPT CONNECTIONS, LINE SIZE PER MAINLINE. INSTALL INSIDE A STANDARD RECTANGULAR CONCRETE VALVE BOX.					E
	RAIN BIRD	44LRC 1" QUICK COUPLER VALVE WITH LOCKING VINYL COVER AND A HARCO 879-15-10 G13S-218 SWING JOINT. INSTALL INSIDE A STANDARD RECTANGULAR CONCRETE VALVE BOX.					F
	RAIN BIRD	1X0-EFB-CP-PRS-D PRESSURE REGULATING, BRASS REMOTE CONTROL VALVE (RCV), SIZE AS SHOWN (1" AND 1 1/2" SIZES), SET PRS-D PRESSURE REGULATOR TO PROVIDE THE OPERATING PRESSURE OF THE SPRINKLER / BUBBLER HEAD AT THE HIGHEST OR FARTHEST HEAD ON THE CONTROL VALVE ZONE (MEASURE PSI AT HEAD). INSTALL THE RCV INSIDE A STANDARD RECTANGULAR CONCRETE VALVE BOX.					G
	RAIN BIRD	100-EFB-CP BRASS DRIP REMOTE CONTROL VALVE, SIZE AS SHOWN (1" SIZE) INSTALL A RAIN BIRDPRB-QKCHK-100 PRESSURE REGULATING, 200 MESH BASKET FILTER DOWNSTREAM SIDE OF EACH DRIP REMOTE CONTROL VALVE (DRCV). INSTALL THE DRCV ASSEMBLY INSIDE A STANDARD RECTANGULAR CONCRETE VALVE BOX.					H
C	I.T.S / RAIN BIRD	IMPERIAL TECHNICAL SERVICES RAIN BIRD LXMEF 48 STATION CONTROLLER ASSEMBLY, MOD. #ICA6-RB3-48/SP/IO-GPRS-5/RSE/FSV-150B, CONTACT DARYL GREEN @ 949.584.7311 AT IMPERIAL TECHNICAL SERVICES					I
NO SYMBOL	PAIGE ELECTRIC	THE CONTROLLER SHALL BE GROUNDED USING A #182000 5/8" X 8 FOOT COPPER CLAD GROUND ROD, A #182005 CAST BRONZE ROD CLAMP AND THE REQUIRED LENGTH OF #6AWG BARE, SINGLE STRAND COPPER GROUND WIRE. INSTALL INSIDE A 10" ROUND VALVE BOX.					J
R	RAIN BIRD	RSD-BEx WIRED RAIN SENSOR AS PART OF CONTROLLER ASSEMBLY, MOUNT IN RGVRSS ENCLOSURE ON THE SIDE OF THE CONTROLLER ENCLOSURE, WIRE TO THE CONTROLLER.					I
E	N/A	120 VOLT ELECTRICAL POWER FOR CONTROLLER, PROVIDED BY ELECTRICIAN, VERIFY ACTUAL LOCATION IN FIELD					N/A
———	AS APPROVED	PVC PIPE 3/4" - 1 1/2" SCH. 40, SOLVENT WELD WITH SCH. 40 PVC FITTINGS, AS LATERAL LINES INSTALLED 12" BELOW FINISHED GRADE					K
— — —	AS APPROVED	PVC PIPE 2" CL. 315, SOLVENT WELD WITH SCH. 80 PVC FITTINGS, AS MAINLINES INSTALLED 24" BELOW FINISHED GRADE					K
——EX——	AS APPROVED	EXISTING IRRIGATION MAINLINE, PROTECT IN PLACE					N/A
— — — —	AS APPROVED	PVC PIPE SCH. 40 AS SLEEVING, TWICE THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED (2" MINIMUM SIZE) INSTALL ALL PIPE AND WIRE UNDER PAVING, HARDSCAPE, ETC. (OR AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE) INSIDE SLEEVES. SLEEVES UNDER PEDESTRIAN PAVING SHALL BE INSTALLED 24" BELOW FINISHED GRADE. SLEEVES UNDER VEHICULAR PAVING SHALL BE INSTALLED 36" BELOW FINISHED GRADE.					L
NO SYMBOL	LASCO	ALL FITTINGS USED WITH SOLVENT WELD MAINLINE PIPE SHALL BE SCH. 80 PVC FITTINGS, GRAY IN COLOR, AND SIZED TO MATCH THE MAINLINE PIPE. ALL FITTINGS USED WITH SOLVENT WELD LATERAL LINE PIPE SHALL BE SCH. 40 PVC, WHITE IN COLOR, AND SIZED TO MATCH THE LATERAL LINE PIPE. ALL THREADED PVC NIPPLES SHALL BE SCH. 80 PVC PIPE, DARK GRAY IN COLOR, WITH MOLDED THREADS.					N/A
NO SYMBOL	WELD-ON	ALL SOLVENT WELD CONNECTIONS FOR BOTH MAINLINE AND LATERAL LINE SHALL BE MADE USING THE TWO-STEP PROCESS OF PRIMER AND SOLVENT CEMENT. PRIMER SHALL BE P-70 LOW VOC *PURPLE PRIMER*. SOLVENT CEMENT SHALL BE 711 LOW VOC, GRAY COLORED "HEAVY BODIED" CEMENT. USE DAUBERS SIZED AT LEAST ONE-HALF THE SIZE OF THE LARGEST PIPE BEING JOINED. ALL SOLVENT CEMENTED JOINTS SHALL BE MADE PER THE PIPE AND FITTING MANUFACTURER'S RECOMMENDATIONS.					N/A
NO SYMBOL	AS APPROVED	1" - 11/4" SCH. 40 PVC, GRAY ELECTRICAL CONDUIT FOR FLOW SENSOR / MASTER VALVE WIRES AND CONTROL WIRES, PROVIDE PULL BOX AT A MAXIMUM OF 200 FEET ON CENTER FOR A 3 FOOT WIRE LOOP OR ANY SPLICES. INSTALL INSIDE A STANDARD RECTANGULAR VALVE BOX.					N/A
NO SYMBOL	PAIGE ELECTRIC	P7079D POLYETHYLENE INSULATED, SOLID COPPER CONDUCTOR IRRIGATION CONTROL WIRE #14UF AWG DIRECT BURIAL (U.L. APPROVED). PILOT WIRES SHALL BE RED IN COLOR, COMMON GROUND WIRE SHALL BE WHITE IN COLOR, SPARE WIRES SHALL BE YELLOW IN COLOR. THE CONTRACTOR SHALL ROUTE TWO (2) SPARE CONTROL WIRES (YELLOW) FROM THE CONTROLLER ALONG THE MAINLINE IN ALL DIRECTIONS AWAY FROM THE CONTROLLER. LOOP SPARE WIRES UP AND INTO EACH VALVE BOX ALONG THE MAINLINE, PROVIDING A 3 FOOT MINIMUM LOOP. WHERE MULTIPLE CONTROLLERS ARE USED ON THE PROJECT, EACH CONTROLLER SHALL HAVE A DIFFERENT COLOR FOR PILOT WIRES.					K,L,M
NO SYMBOL	GPH IRRIGATION	GDBRY6 DIRECT BURIAL, 100% SILICONE GEL, WATER-PROOF WIRE CONNECTORS FOR USE ON ALL WIRE SPLICES AND CONNECTIONS					M
NO SYMBOL	NDS (K.B.I.)	KSC-XXX-S SWING CHECK VALVE, LATERAL LINE SIZE, INSTALL ONE (1) ON THE DOWNSTREAM SIDE OF EACH RCV WHEN THE RCV IS LOWER THAN THE SPRINKLERS, BUBBLERS OR DRIP EMITTERS. INSTALL WITHIN SPRINKLER / BUBBLER / DRIP ZONES AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.					N/A
NO SYMBOL	NDS (K.B.I.)	KC-XXX-S SPRING CHECK VALVE, LATERAL LINE SIZE, INSTALL ONE (1) ON THE DOWNSTREAM SIDE OF EACH RCV WHEN THE RCV IS HIGHER THAN THE SPRINKLERS, BUBBLERS OR DRIP EMITTERS. INSTALL WITHIN SPRINKLER / BUBBLER / DRIP ZONES AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.					N/A
NO SYMBOL	EISEL	FOR VALVE BOXES WITHIN PUBLIC RIGHT OF WAY AREAS USE CONCRETE VALVE BOXES WITH HINGED LOCKING CAST IRON LIDS. FOR USE IN NON-VEHICULAR TRAFFIC SITUATIONS ONLY. DO NOT INSTALL IN CONCRETE OR ASPHALT.					N

DESCRIPTION	MODEL #
STANDARD RECTANGULAR BOXES	W3HLC (CONCRETE BOX W/ HINGED LOCKING IRON COVER)

VALVE CALLOUT LEGEND



HYDROZONE DESCRIPTION CHART			
NUMBER	DESCRIPTION OF THE HYDROZONE	WUCOLS	PLANT FACTOR
HZ 1	LOW WATER USE PLANTINGS	L	0.30
HZ 2	MODERATE WATER USE PLANTINGS	M	0.40
HZ 3	LOW WATER USE TREES	L	0.30
HZ 4	MODERATE WATER USE TREES	M	0.40

IRRIGATION METHOD DESCRIPTION CHART			
LETTERS	DESCRIPTION OF THE IRRIGATION	TYPE	IR. EFFICIENCY
S	SPRAY HEADS	SPRAY	0.75
DE	DRIP EMITTERS	DRIP	0.81
TB	TREE BUBBLERS	DRIP	0.81

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

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Developed for
PASADENA UNIFIED SCHOOL DISTRICT

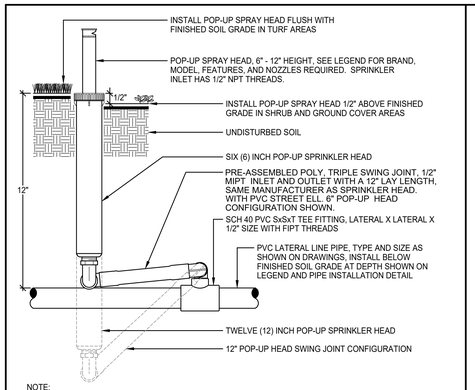
Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/05/2025
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

Job Number	33366
Checked By	AG /SC
Scale	N.T.S.

IRRIGATION
LEGEND & NOTES

L6.02

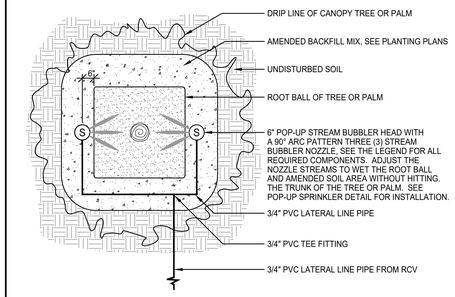


NOTE:
INSTALL SPRAY HEADS 4" FROM PAVING EDGE IN TURF AREAS.
INSTALL SPRAY HEADS 6" FROM PAVING EDGE IN SHRUB AND GROUND COVER AREAS.
INSTALL SPRAY HEADS 12" FROM THE FACE OF BUILDING WALLS OR WINDOWS.

INSTALL SPRAY HEADS PLUMB. ADJUST NOZZLE STREAM TO COVER THE LANDSCAPE AREA WITHOUT OVERSPRAY ONTO PAVING, FENCES, WALLS OR BUILDINGS.

SECTION VIEW - N.T.S.

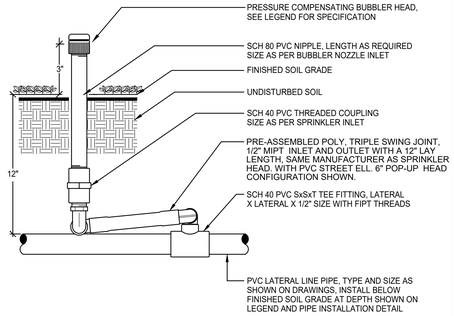
A POP-UP SPRINKLER HEAD



NOTE:
POSITION MSBN-50Q STREAM BUBBLER HEADS 6" FROM THE ROOT BALL.
POSITION MSBN-25Q STREAM BUBBLER HEADS 1" FROM THE ROOT BALL.

PLAN VIEW - N.T.S.

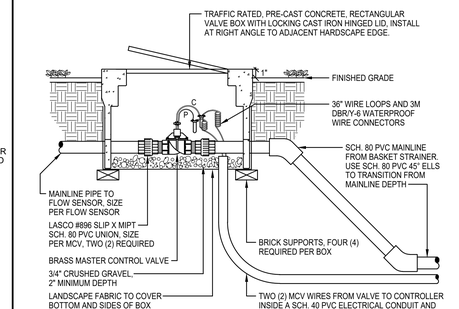
B TREE BUBBLER LAYOUT



NOTE:
INSTALL BUBBLERS PLUMB AND 12" FROM FACE OF FENCES, PAVING, WALLS OR BUILDINGS.

SECTION VIEW - N.T.S.

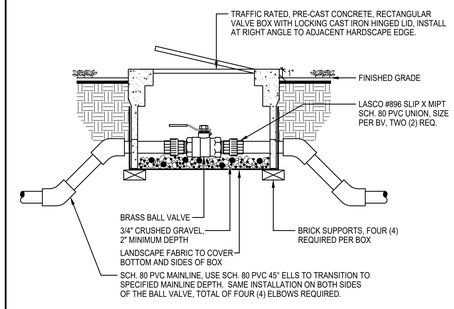
C SHRUB BUBBLER ON RISER



NOTE:
USE AN APPROVED, NON-HARDENING, TEFLON ASSEMBLY PASTE ON ALL THREADED FITTINGS.
USE STANDARD BOX OPENINGS FOR ALL PIPING INTO THE BOX, DO NOT CUT THE BOX.

SECTION VIEW - N.T.S.

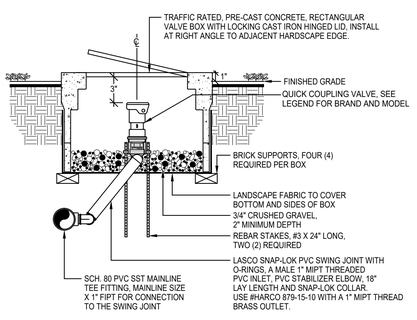
D COMBINATION MASTER VALVE / FLOW SENSOR VALVE IN CONCRETE BOX



NOTE:
USE AN APPROVED, NON-HARDENING, TEFLON ASSEMBLY PASTE ON ALL THREADED FITTINGS.
USE STANDARD BOX OPENINGS FOR ALL PIPING INTO THE BOX, DO NOT CUT THE BOX.

SECTION VIEW - N.T.S.

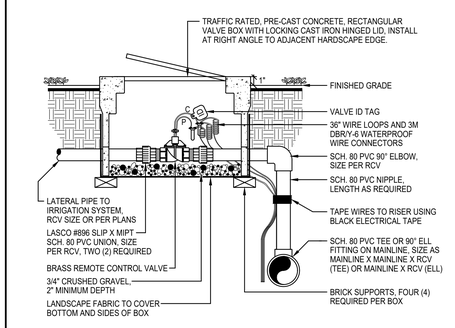
E BALL VALVE IN CONCRETE BOX



NOTE:
USE AN APPROVED, NON-HARDENING, TEFLON ASSEMBLY PASTE ON ALL THREADED FITTINGS.
USE STANDARD BOX OPENINGS FOR ALL PIPING INTO THE BOX, DO NOT CUT THE BOX.

SECTION VIEW - N.T.S.

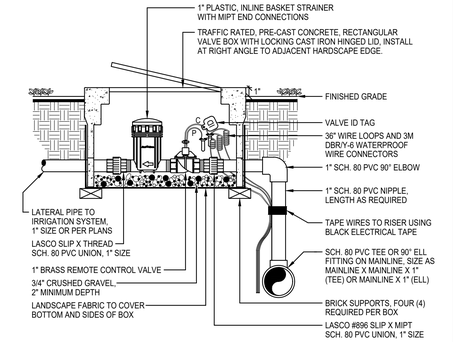
F QUICK COUPLER VALVE IN CONCRETE BOX



NOTE:
USE AN APPROVED, NON-HARDENING, TEFLON ASSEMBLY PASTE ON ALL THREADED FITTINGS.
USE STANDARD BOX OPENINGS FOR ALL PIPING INTO THE BOX, DO NOT CUT THE BOX.

SECTION VIEW - N.T.S.

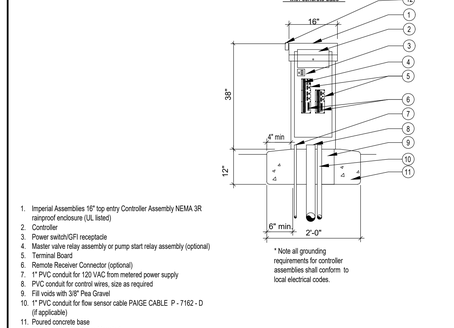
G REMOTE CONTROL VALVE IN CONCRETE BOX



NOTE:
USE AN APPROVED, NON-HARDENING, TEFLON ASSEMBLY PASTE ON ALL THREADED FITTINGS.
USE STANDARD BOX OPENINGS FOR ALL PIPING INTO THE BOX, DO NOT CUT THE BOX.

SECTION VIEW - N.T.S.

H DRIP REMOTE CONTROL VALVE IN CONCRETE BOX

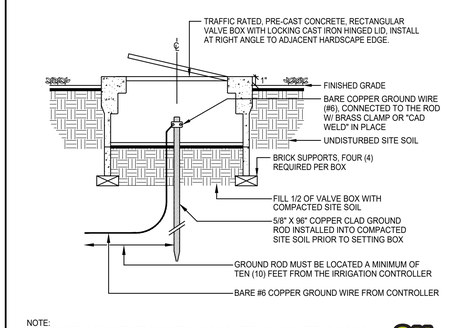


16" x 16" Top Entry Controller Assembly (ICA6 Series)

ICA6.DWG 1

IMPERIAL TECHNICAL SERVICES

I CONTROLLER ASSEMBLY



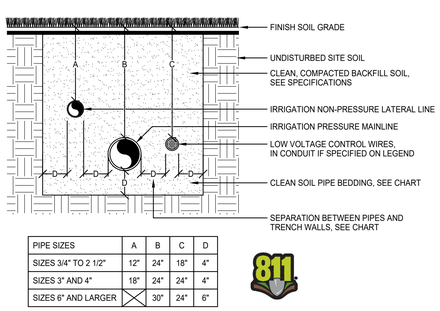
NOTE:
CONTRACTOR IS REQUIRED TO CONTACT 811 OR DIGALERT A MINIMUM OF TWO (2) DAYS PRIOR TO ANY EXCAVATION ON THE PROJECT AND SPECIFICALLY PRIOR TO THE INSTALLATION OF ANY GROUNDING RODS. DIAL 811 OR LOG ONTO WWW.DIGALERT.ORG.

EACH CONTROLLER SHALL HAVE A MINIMUM OF ONE (1) GROUND ROD INSTALLED.

GROUND ROD SHALL BE INSTALLED A MINIMUM OF TEN (10) FEET AWAY FROM THE IRRIGATION CONTROLLER OR ANY CONTROL WIRE PATH.

SECTION VIEW - N.T.S.

J GROUNDING ROD IN CONCRETE BOX

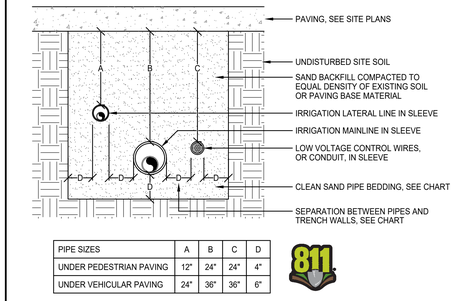


PIPE SIZES	A	B	C	D
SIZES 3/4" TO 2 1/2"	12"	24"	18"	4"
SIZES 3" AND 4"	18"	24"	24"	4"
SIZES 6" AND LARGER		30"	24"	6"

NOTE:
CONTRACTOR IS REQUIRED TO CONTACT 811 OR DIGALERT A MINIMUM OF TWO (2) DAYS PRIOR TO ANY EXCAVATION ON THE PROJECT. DIAL 811 OR LOG ONTO WWW.DIGALERT.ORG.

SECTION VIEW - N.T.S.

K PIPE INSTALLATION



PIPE SIZES	A	B	C	D
UNDER PEDESTRIAN PAVING	12"	24"	24"	4"
UNDER VEHICULAR PAVING	24"	36"	36"	6"

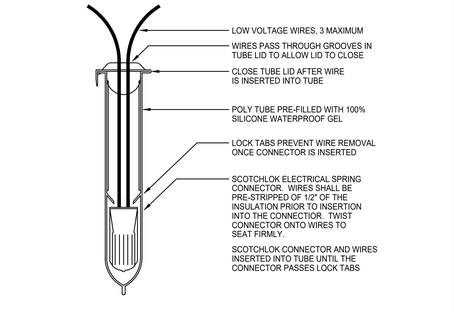
NOTE:
CONTRACTOR IS REQUIRED TO CONTACT 811 OR DIGALERT A MINIMUM OF TWO (2) DAYS PRIOR TO ANY EXCAVATION ON THE PROJECT. DIAL 811 OR LOG ONTO WWW.DIGALERT.ORG.

SLEEVES SHALL BE TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE CARRIED WITHIN, EXCEPT WHEN USING BELL AND GASKET PIPING WHERE MAINLINE SLEEVES SHALL BE 2.5 TIMES THE SIZE OF THE PIPE.

SLEEVES SHALL EXTEND 12" PAST THE EDGE OF PAVING INTO THE PLANTER.

SECTION VIEW - N.T.S.

L SLEEVE INSTALLATION



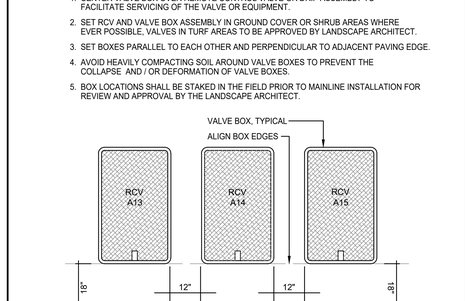
NOTE:
WIRE CONNECTOR SHALL BE A GPH IRRIGATION GDBRY6 DIRECT BURY SPLICE KIT.

KIT SHALL INCLUDE A SCOTCHLOK SPRING CONNECTOR, A POLYPROPYLENE TUBE AND A 100% SILICONE WATERPROOF SEALING GEL. TUBE SHALL BE SUPPLIED PRE-FILLED WITH GEL.

SECTION VIEW - N.T.S.

M WIRE CONNECTION

NOTE:
1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE OR DRIP ASSEMBLY TO FACILITATE SERVICING OF THE VALVE OR EQUIPMENT.
2. SET RCV AND VALVE BOX ASSEMBLY IN GROUND COVER OR SHRUB AREAS WHERE EVER POSSIBLE, VALVES IN TURF AREAS TO BE APPROVED BY LANDSCAPE ARCHITECT.
3. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO ADJACENT PAVING EDGE.
4. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT THE COLLAPSE AND / OR DEFORMATION OF VALVE BOXES.
5. BOX LOCATIONS SHALL BE STAKED IN THE FIELD PRIOR TO MAINLINE INSTALLATION FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT.



NOTE:
VALVE BOXES SHALL BE INSTALLED IN SHRUB AND GROUND COVER AREAS. NO VALVES SHALL BE INSTALLED IN TURF AREAS WITHOUT PRIOR APPROVAL BY THE LANDSCAPE ARCHITECT.

PLAN VIEW - N.T.S.

N VALVE BOX LAYOUT

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
w: www.sweeneyassoc.com f: (951) 461-6850

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

LPA
ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING

949-261-1001 Office
LPADesignStudios.com
5301 California Avenue, Suite 100
Irvine, California 92617

ALTADENA ARTS MAGNET SCHOOL

743 E CALAVERAS ST.
ALTADENA, CA 91001

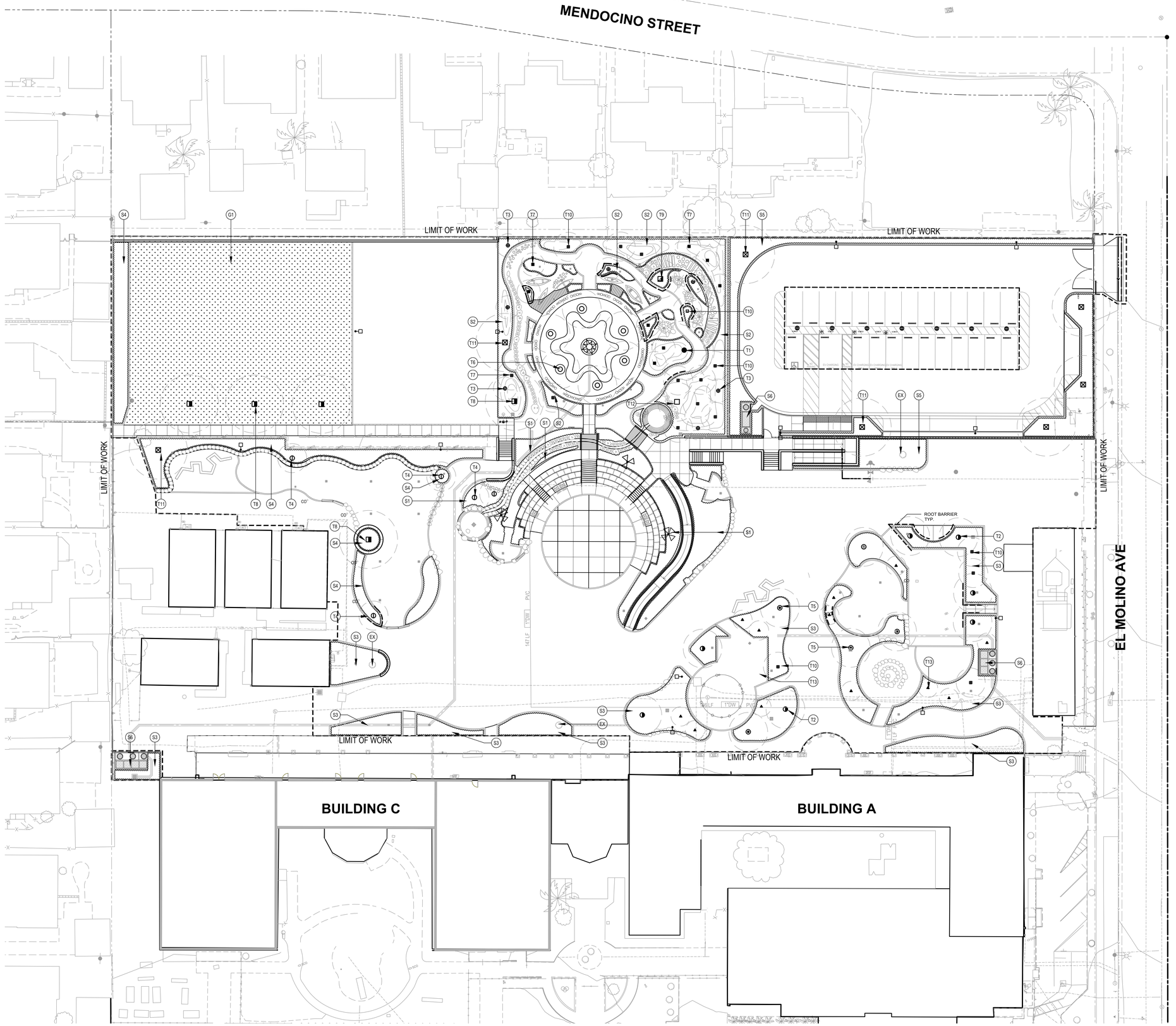
Developed for
PASADENA UNIFIED SCHOOL DISTRICT

Submittal	Date
100% SCHEMATIC DESIGN	12/05/2025
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/10/2026

Job Number	33366
Checked By	AG /SC
Scale	N.T.S.

IRRIGATION DETAILS

L6.03



PLANTING PLAN 1" = 20' 05

PLANTING LEGEND

TREE LIST

(NCN.)- NO COMMON NAME (*)- UNLESS NOTED ON PLAN

REF.	SYM.		BOTANICAL NAME/ COMMON NAME	WUCOLS	SIZE/ SPACING	COMMENTS/ DET
T1	●	-	ARBUTUS MARINA/ STARAWBERRY TREE	M	48" BOX STANDARD	01/09 L7.02
T2	◑	-	CHILOPSIS CHITALPA DESERT WILLOW	L	48" BOX MULTI	01/09 L7.02
T3	⊕	-	CEANOTHUS 'RAY HARTMAN' RAY HARTMAN CEANOTHUS	L	48" BOX MULTI	01/09 L7.02
T4	⦶	-	CERCIS OCCIDENTALIS WESTERN REDBUD	L	48" BOX MULTI	01/09 L7.02
T5	◉	-	CHILOPSIS LINEARIS DESERT WILLOW	L	48" BOX MULTI	01/09 L7.02
T6	○	-	GINKGO BILOBA MAIDENHAIR TREE	M	48" BOX STANDARD	01/09 L7.02
T7	■	-	HETEROMELES ARBUTIFOLIA CALIFORNIA HOLLY	L	15 GAL MULTI	01/09 L7.02
T8	◧	-	KOELREUTERIA PANICULATA GOLDENRAIN TREE	L	48" BOX MULTI	01/09 L7.02
T9	◪	-	LYONOTHAMUS FLORIBUNDUS ISLAND IRONWOOD	L	48" BOX STANDARD	01/09 L7.02
T10	⊞	-	MALU FUSCA OREGON CRABAPPLE	M	24" BOX STANDARD	01/09 L7.02
T11	⊠	-	PLATANUS RACEMOSA CALIFORNIA SYCAMORE	M	48" BOX STANDARD	01/09 L7.02
T12	□	-	QUERCUS LLEX HOLLY OAK	L	48" BOX STANDARD	01/09 L7.02
T13	▲	-	ROMNEYA COULTER CALIFORNIA TREE POPPY	VL	48" BOX STANDARD	01/09 L7.02
ET	+	-	EXISTING TREE			- -

SHRUB / VINE LIST

S1	⬚	AS REQ'D	ACHILLEA MILLEFOLIUM/ YARROW	L	5 GAL	03/04 L7.02
		AS REQ'D	ERIOGONUM FASCICULATUM VAR. POLIFOLIUM / CALIFORNIA BUCKWHEAT	VL	5 GAL	03/04 L7.02
		AS REQ'D	SPHAERALCEA AMBIGUA 'LOUIS HAMILTON'/ LOUIS HAMILTON DESERT MALLOW	L	5 GAL	03/04 L7.02
S2	⬚	AS REQ'D	AMELANCHIER UTAHENSIS/ SERVICE BERRY	L	15 GAL	03/04 L7.02
		AS REQ'D	ARCTOSTAPHYLOS MANZANITA 'DR. HURD'/ DR. HURD MANZANITA	L	5 GAL	03/04 L7.02
		AS REQ'D	PHILADELPHIS LEWISII/ MOCK ORANGE	M	5 GAL	03/04 L7.02
		AS REQ'D	RIBES VIBURNIFOLIUM/ CATALINA CURRANT	M	5 GAL	03/04 L7.02
		AS REQ'D	ERIOGONUM GIGANTEUM/ ST. CATHERINE'S LACE	VL	5 GAL	03/04 L7.02
		AS REQ'D	KECKIELLA CORDIFOLIA/ CLIMBING PENSTEMON	L	5 GAL	03/04 L7.02
		AS REQ'D	LANTANA CAMARA 'ORANGE TRAILING'/ ORANGE SPREADING LANTANA	L	5 GAL	03/04 L7.02
		AS REQ'D	SALVIA CLEVELANDII 'WINNIFRED GILMAN'/ CALIFORNIA BLUE SAGE	L	5 GAL	03/04 L7.02
S3	⬚	AS REQ'D	ACHILLEA MILLEFOLIUM/ YARROW	L	5 GAL	03/04 L7.02
		AS REQ'D	ERIOGONUM FASCICULATUM 'WARRINER LYTLE'/ CALIFORNIA BUCKWHEAT	VL	5 GAL	03/04 L7.02
		AS REQ'D	SALVIA LEUCOPHYLLA/ PURPLE SAGE	L	5 GAL	03/04 L7.02
		AS REQ'D	SALVIA MICROPHYLLA 'HOT LIPS'/ LITTLE LEAF SAGE	L	5 GAL	03/04 L7.02
		AS REQ'D	SALVIA OFFICINALIS/ WAVERLY SAGE	M	5 GAL	03/04 L7.02
		AS REQ'D	SALVIA SPATHACEA/ HUMMINGBIRD SAGE	L	5 GAL	03/04 L7.02
S4	⬚	AS REQ'D	ARCTOSTAPHYLOS MANZANITA 'DR. HURD'/ DR. HURD MANZANITA	L	5 GAL	03/04 L7.02
		AS REQ'D	PHILADELPHIS LEWISII/ MOCK ORANGE	M	5 GAL	03/04 L7.02
		AS REQ'D	CAMPSIS RADICANS TRUMPET CREEPER	L	15 GAL	17 L7.02
S5	⬚	AS REQ'D	LANTANA CAMARA 'ORANGE TRAILING'/ ORANGE SPREADING LANTANA	L	5 GAL	03/04 L7.02
		AS REQ'D	SALVIA LEUCOPHYLLA/ PURPLE SAGE	L	5 GAL	03/04 L7.02
S6	⬚	AS REQ'D	ACHILLEA MILLEFOLIUM/ YARROW	L	5 GAL	01/C7.02 LX.XX

MISCELLANEOUS SYMBOLS

- - - - -	LINEAR ROOT BARRIER	09/ L7.02

TURF LIST

G1	⬚	AS REQ'D	HYBRID BERMUDA	SOD -	- -

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

LPA
ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING
949-261-1001 Office
LPADesignStudios.com
5301 California Avenue, Suite 100
Irvine, California 92617

JEFFREY K. YAMAMOTO No. 5030
07/31/2027

ALTADENA ARTS MAGNET SCHOOL

743 E CALAVERAS ST.
ALTADENA, CA 91001

Developed for
PASADENA UNIFIED SCHOOL DISTRICT

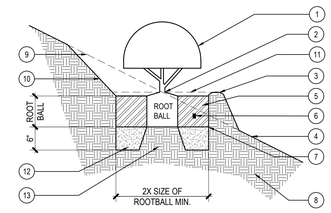
Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/05/2025
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

Job Number	33366
Checked By	AG /SC
Scale	1' = 20'

PLANTING PLAN

L7.01



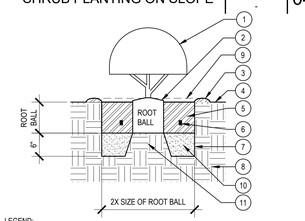
LEGEND

1. 1 TO 15 GALLON SHRUB. (SEE PLANTING PLAN)
2. SET CROWN OF ROOTBALL 1" ABOVE FINISH GRADE AND SLOPE SOIL AWAY FROM ROOTBALL. ADJUST HEIGHT OF PLANTING TO ACCOMODATE SETTLING DUE TO SOIL TYPES.
3. WATER BASIN. 4" MIN. FOR 5 GALLON & LARGER. 2" MIN FOR 1 GALLON
4. FINISH GRADE
5. AMENDED BACKFILL. SEE SPECS. FOR MIX AND PIT SIZE.
6. PLANT TABLET. SEE SPECS.
7. SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
8. EXISTING SOIL.
9. EXISTING SLOPE
10. CUT SLOPE TO MEET ROOTBALL.
11. 3" MULCH. MAINTAIN CONSTANTLY SEE SPECS.
12. COMPACTED BACKFILL. SEE SPECS. PUDDLE AND SETTLE PRIOR TO SETTING SHRUB.
13. UNDISTURBED EXISTING SOIL TO FORM PEDESTAL. REPLACE WITH COMPACTED NATURAL SOIL IF HARDPAN EXISTS.

NOTE:

A. FOR SPACING SEE (XX / -)

SHRUB PLANTING ON SLOPE — 3/4" = 1'-0" — 04



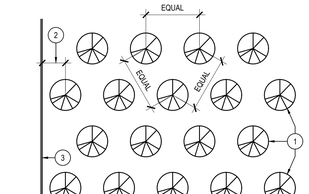
LEGEND:

1. 1 TO 15 GALLON SHRUB; REFER TO PLANTING PLAN.
2. SET CROWN OF ROOTBALL 1" ABOVE FINISH GRADE AND SLOPE SOIL AWAY FROM ROOTBALL. ADJUST HEIGHT OF PLANTING TO ACCOMODATE SETTLING DUE TO SOIL TYPES.
3. WATER BASIN. 4" MIN. FOR 5 GAL. & LARGER. 2" MIN FOR 1 GAL.
4. FINISH GRADE
5. AMENDED BACKFILL; SEE SPECS FOR MIX.
6. PLANT TABLET; SEE SPECS.
7. SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
8. EXISTING SOIL.
9. 3" MULCH, MAINTAIN CONSTANTLY. SEE SPECS.
10. COMPACTED BACKFILL; SEE SPECS. PUDDLE AND SETTLE PRIOR TO SETTING SHRUB.
11. UNDISTURBED EXISTING SOIL TO FORM. PEDESTAL. REPLACE WITH COMPACTED NATURAL SOIL IF HARDPAN EXISTS.

NOTE:

A. FOR SHRUB SPACING SEE (XX / -)

SHRUB PLANTING DETAIL — 3/4" = 1'-0" — 03



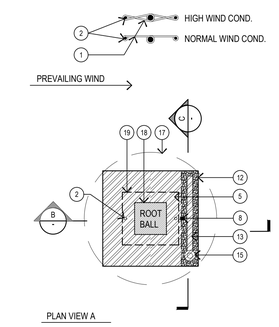
LEGEND:

1. LOCATE PLANTS WITH EQUAL SPACING AS INDICATED ON PLAN (TRIANGULAR SPACING).
2. 1/2 ON CENTER SPACING.
3. PAVING, BUILDING, OR HEADER SHOWING PLANTING AREA LIMIT.

TRIANGULAR SPACING — 1/4" = 1'-0" — 07

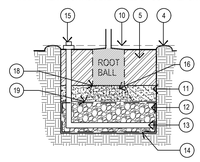
LEGEND

1. 32" BLACK VIT "CINCH TIES". ATTACH W/ TWO ROOFING NAILS. FOR 36" BOX AND LARGER, USE 36" BLACK VIT "TWIST BRACE". SEE PLAN VIEW. FOR HIGH WIND CONDITIONS: VIT TWIST BRACES ATTACH W/ TWO ROOFING NAILS. TYPICAL TWO EACH SIDE. SEE PLAN VIEW.
2. 2" DIA. X 12' LODGE POLE PINE STAKES. 3" DIA X 12' LODGE POLE PINE STAKES FOR 36" BOX AND LARGER TREES. (HEIGHT OF STAKE -8'-10'-12' SHOULD BE ADJUSTED BASED ON CONTAINER SIZE, HEIGHT OF TREE, AND GROWTH RATE) CUT STAKES TO MATCH HT. AS DIRECTED BY LANDSCAPE ARCHITECT.
3. FINISH GRADE
4. WATER BASIN. 4" MIN. DEPTH FOR 5 GAL. & LARGER IN LAWN AREAS AND AS DIRECTED BY LANDSCAPE ARCHITECT.
5. AMENDED BACKFILL. SEE SPECIFICATIONS FOR MIX AND PIT SIZE.
6. SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
7. EXISTING SOIL.
8. PLANT TABLET. PER SPECS.
9. SET TOP OF ROOTBALL X" ABOVE SURROUNDING GRADE AND SLOPE FOR DRAINAGE. PROVIDE 2' DIA. MULCH RING AT TREES WITHIN TURF. ADJUST HEIGHT OF TREE PLANTING TO ACCOMMODATE SETTLING DUE TO SOIL TYPE.
10. 3" MULCH, MAINTAIN CONSTANTLY.
11. COMPACTED BACKFILL. PUDDLE AND SETTLE PRIOR TO SETTING TREE.
12. 12" WIDE TRENCH ALONG ONE SIDE. FILL WITH 3/4" DRAIN GRAVEL.
13. 4" PERFORATED DRAIN PIPE PLACED HORIZONTAL.
14. "MIRAFI" 140N FILTER FABRIC.
15. 4" NIBCO, BLACK - 'ABS' PLUG 4" NIBCO, BLACK - 'ABS' FEMALE RECIEVER NDS, WHITE 'PVC' ADAPTOR FOR CONNECTION FROM FEMALE RECIEVER TO PVC SOLID STAND PIPE
16. UNDISTURBED EXISTING SOIL TO FORM PEDESTAL AND PREVENT SETTLING. REPLACE WITH COMPACTED NATURAL SOIL IF HARDPAN EXISTS.
17. TREE CANOPY
18. BOTTOM OF ROOTBALL/ TOP OF PEDESTAL.
19. BASE OF PEDESTAL FOR TREE.

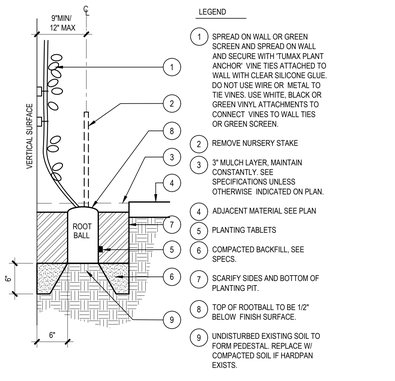


NOTE:

A. PROVIDE (2) 6" DIA. x 6' DEEP AUGER HOLES IF EXCAVATED HOLE DOES NOT DRAIN FASTER THAN 1" PER HOUR AS DETERMINED BY SOILS REPORT AND FIELD CONDITIONS.



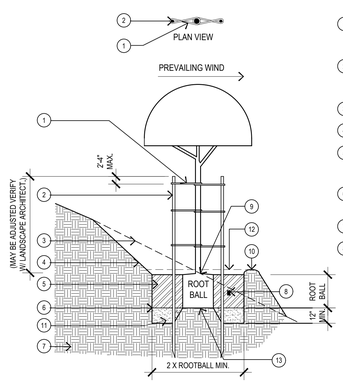
TREE STAKING AND PLANTING DETAIL — 1/4"=1'-0" — 01



LEGEND

1. SPREAD ON WALL OR GREEN SCREEN AND SPREAD ON WALL AND SECURE WITH 'TUMAX PLANT ANCHOR' VINE TIES ATTACHED TO WALL WITH CLEAR SILICONE GLUE. DO NOT USE WIRE OR METAL TO TIE VINES. USE WHITE, BLACK OR GREEN VINYL ATTACHMENTS TO CONNECT VINES TO WALL TIES OR GREEN SCREEN.
2. REMOVE NURSERY STAKE
3. 3" MULCH LAYER, MAINTAIN CONSTANTLY. SEE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON PLAN.
4. ADJACENT MATERIAL SEE PLAN
5. PLANTING TABLETS
6. COMPACTED BACKFILL, SEE SPECS.
7. SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
8. TOP OF ROOTBALL TO BE 1/2" BELOW FINISH SURFACE.
9. UNDISTURBED EXISTING SOIL TO FORM PEDESTAL. REPLACE W/ COMPACTED SOIL IF HARDPAN EXISTS.

VINE PLANTING — 1" = 1'-0" — 17



1. 32" BLACK VIT "CINCH TIES". ATTACH W/ TWO ROOFING NAILS. SEE PLAN VIEW.
2. 2" DIA. X 8' AND 10' LODGE POLE PINE STAKES. CUT STAKE AS DIRECTED BY LANDSCAPE ARCHITECT.
3. EXISTING SLOPE.
4. CUT SLOPE TO MEET PLANT PIT.
5. AMENDED BACKFILL. SEE SPECIFICATIONS FOR MIX AND PIT SIZE.
6. SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
7. EXISTING SOIL.
8. PLANT TABLET.
9. SET TOP OF ROOTBALL 2" ABOVE SURROUNDING GRADE AND SLOPE FOR DRAINAGE. PROVIDE 2' DIA. MULCH RING AT TREES WITHIN TURF. ADJUST HEIGHT OF TREE PLANTING BASED ON SETTLING DUE TO SOIL TYPE.
10. WATER BASIN. 4" MIN. FOR 5 GAL. & LARGER. SEE SPECS. REMOVE BASIN IN LAWN AREAS AND AS DIRECTED BY LANDSCAPE ARCHITECT.
11. COMPACTED BACKFILL - PUDDLE AND SETTLE PRIOR TO SETTING TREE.
12. 3" MULCH, MAINTAIN CONSTANTLY.
13. UNDISTURBED EXISTING SOIL TO FORM PEDESTAL, REPLACE W/ COMPACTED NATURAL SOIL IF HARDPAN EXISTS

NOTE:

A. PROVIDE (2) 6" DIA. x 6' DEEP AUGER HOLES IF EXCAVATED HOLE DOES NOT DRAIN FASTER THAN 1" PER HOUR AS DETERMINED BY SOILS REPORT AND FIELD CONDITIONS. PROVIDE TEST PIT FOR REVIEW.

B. SEE DETAIL (XX / -) FOR MULTI TRUNK TREE.

C. PROVIDE STANDPIPES FOR ALL PINES ON SLOPES SIM (XX / -)

TREE STAKING AND PLANTING ON SLOPE — 1/4"=1'-0" — 09

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ALTADENA ARTS MAGNET SCHOOL

743 E CALAVERAS ST.
ALTADENA, CA 91001

Developed for
PASADENA UNIFIED SCHOOL DISTRICT

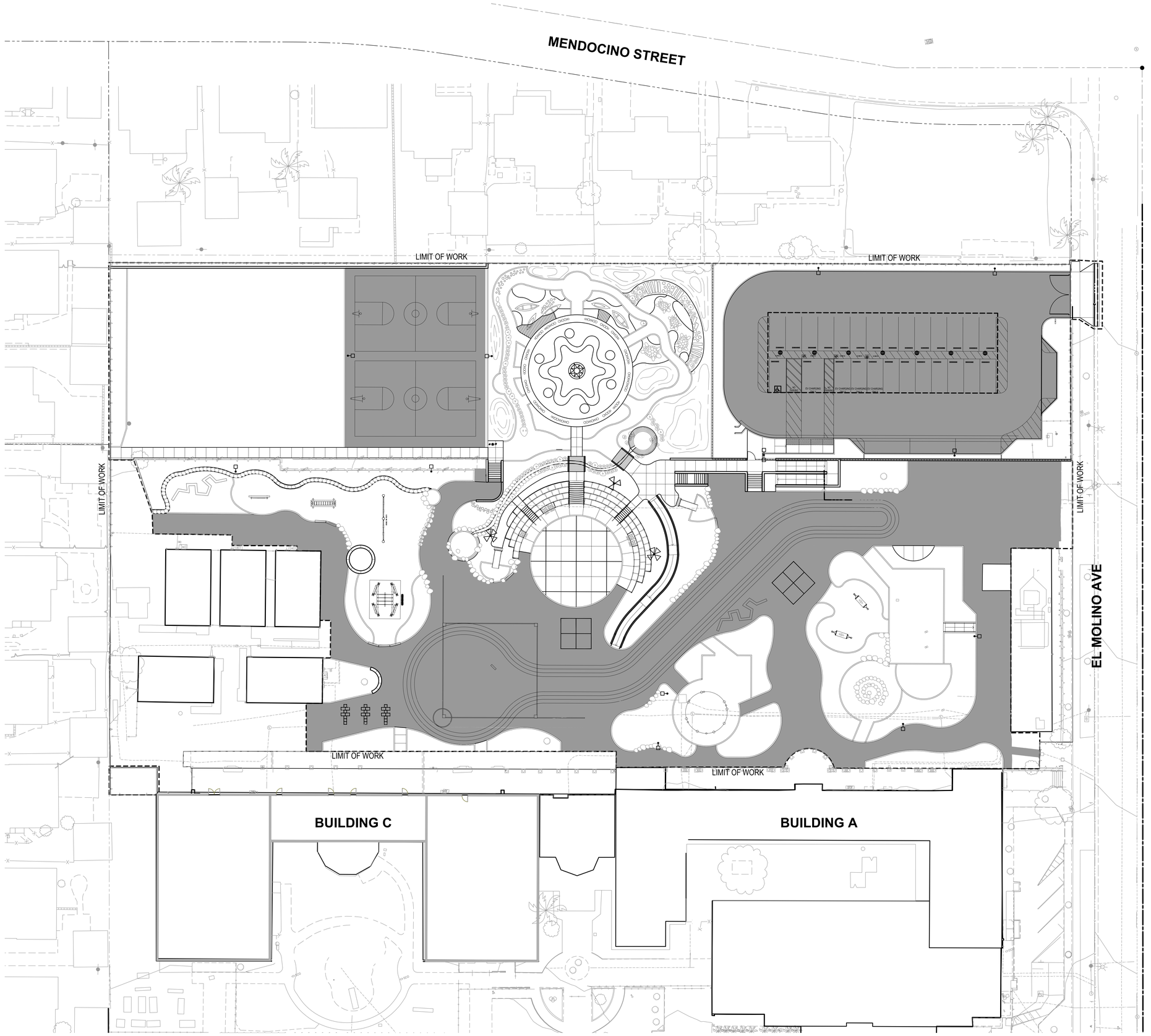
Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/05/2025
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL 1/2	03/13/2026

Job Number	33366
Checked By	AG /SC
Scale	AS NOTED

PLANTING DETAILS

L7.02



STRIPING LEGEND

SYM.	DESCRIPTION	COMMENTS
	ASPHALT COATING FROM STREETBOND W/ DURASHIELD COATING	COLOR TBD ~53,250 SF

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DSA SUBMITTAL V2	03/13/2026

Job Number	33366
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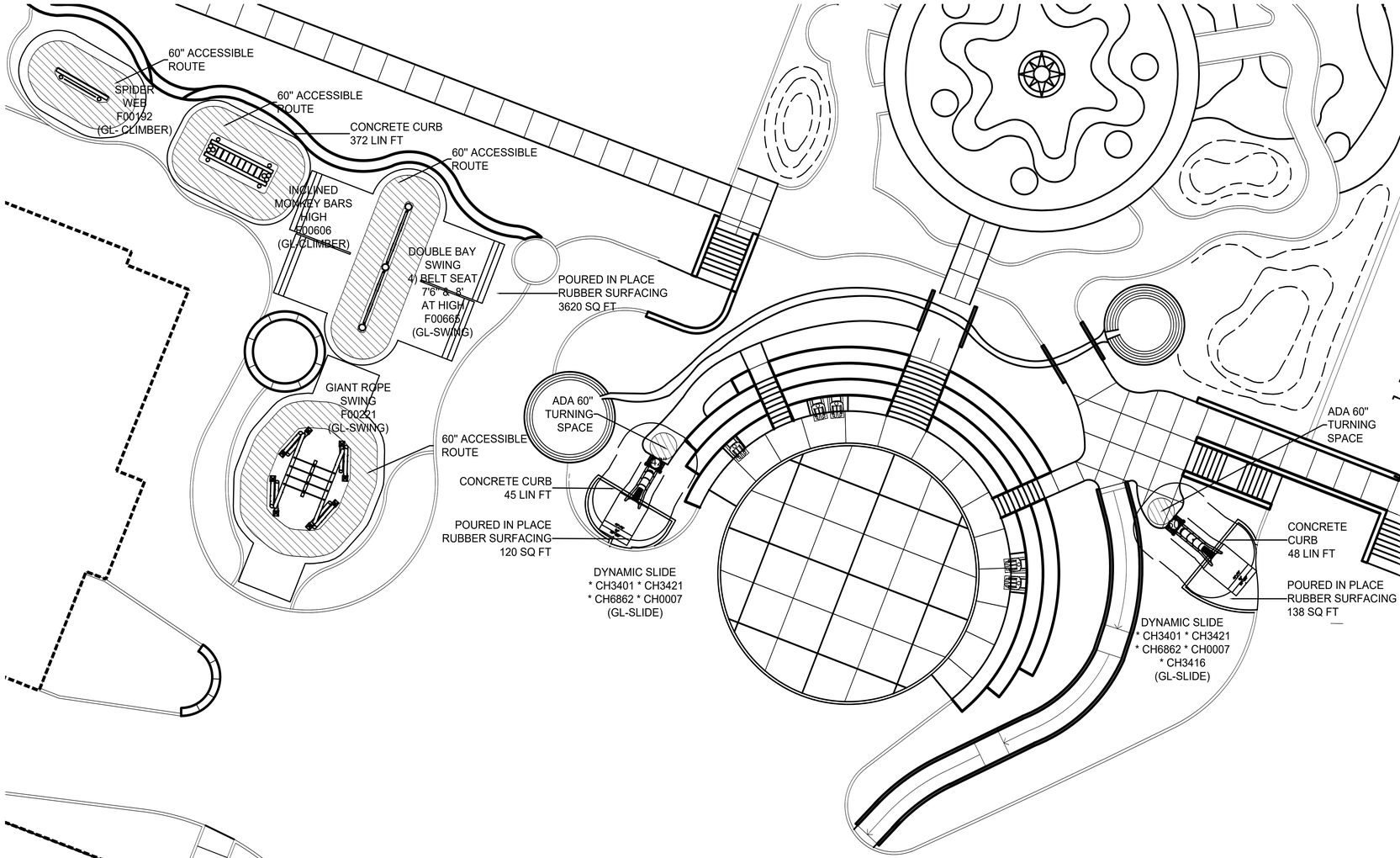
Scale	1" = 20'

STRIPING PLAN

L8.01



Play Areas 11B-240:

PG1) Where separate play areas are provided for specific age groups, each play area shall comply with CBC Section 11B-240. Our designs are compliant to this building code section. Section 11B-240 is similar to the ADA Accessibility Guidelines that are Law in CA that we must abide by as well but the ADAAG is more comprehensive.

PG2) Identify all ground level and elevated play components. Provide and identify accessible ground level and elevated play components per CBC Section 11B-240.2 and TABLE 11B-240.2.1.2. The attached drawing includes the ADA table in the bottom left side of the drawing, which shows the number of elevated and ground level play components.

PG3) Provide accessible routes to all accessible play components per CBC Section 11B-1008.2.and CBC Section 11B-1008.2.4. Transfer systems may be used per CBC Section 11B-1008.2.1 Exceptions. Trasnfer steps heights and platforms have been listed and meet this requirement. Access has been shown.

PG4) Ramps connecting play components shall comply with CBC Section 11B-1008.2.5 This design includes ramps and is labeled as such in the drawing. . Complies with CBC Section 11B-1008.2.5 N/A

PG5) Transfer platforms for transfer from wheelchairs or other mobility aids shall comply with CBC Section 11B-1008.3.1. Our transfer stations/transfer systems are compliant to 11b-1008.3.1.

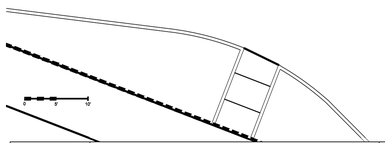
PG6) Transfer steps for movement from transfer platforms to levels with elevated play components shall comply with CBC Section 11B-1008.3.2 Our transfer station steps are compliant to 11B-1008.3.2.

PG7) Show a clear floor or ground space per CBC Section 1008.4.2 and a turning space per CBC Sections 11B-1008.4.1 for all ground level play components on an accessible route and for all elevated play components connected by ramps. Our design meets this requirement. It's important to note that because elevated play equipment requires a minimum of 6' use zone for safety, that all ground based activities will have at least 6' of clear space for access as well.

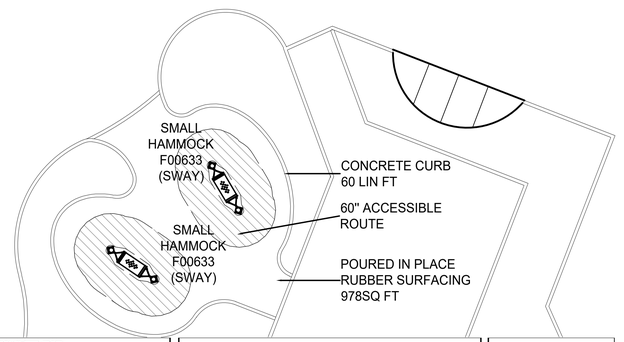
PG8) Ground surfaces on accessible routes, clear floor or ground spaces, and turning spaces shall comply with CBC Section 11B-1008.2.6: For accessibility; ground surfaces shall comply with ASTM F 1951 and shall be inspected and maintained regularly and frequently to ensure continued compliance. Identify ground surfaces located within use zones. Ground surfaces within use zones shall comply with ASTM F 1292 *and ASTM 1951. Attached Specification for Poured in Place Rubber Surfacing demonstrates it meets ASTM F1951 and ASTM F1292.*

PG9) Where play tables are provided, they shall comply with CBC Section 11B-1008.4.3. While we do have a playseat as part of this design, there are no play tables so this would not apply.

CBC Chapter 2 Definitions:



Title of Project	Altadena Arts Magnet School	C26021R1			
Model number	Description	Ground / Elevated	Elevated and accessible by ramp or transfer	Type of Ground	Qty
ZZUN3401	Dynamic Descent Slide	Ground	n/a	slide	2
F00606	Inclined Monkey Bars	Ground	n/a	climber	1
F00665	Double Bay Swing	Ground	n/a	swing	1
F00221	Giant Rope Swing	Ground	n/a	swing	1
F00633	Small Hammock	Ground	n/a	sway	2
F00192	Spiderweb	Ground	n/a	climber	1
	Total elevated play components:		0		
	Total elevated play components accessible by ramp:		0	Required	
	Total elevated play components accessible by transfer:		0	Required	
	Total accessible ground level components shown:		8	Required	
	Total accessible ground level components of different types:		4	Required	



PLAY STRUCTURE AND LAYOUT OF THE COMPONENTS CONFORM TO ASTM F1487-21 AND CPSC #325 GUIDELINES AND CCR TITLE 22, DIVISION 4 CHAPTER 22.
CRITICAL FALL HEIGHT OF OVERALL PLAY AREA: 115"

PROJECT
ALTADENA ARTS MAGNE
ALTADENA, CA

DESIGNED BY:
BRITTANY BOURBONNAIS
MARCH 11, 2026
DRAWING # C26021R2
PROJECT # 26000783

DESIGNED FOR
AGES 2-12

since 1979 davebang associates inc. park+playground outfitters

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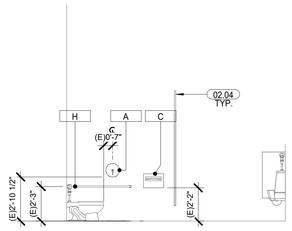
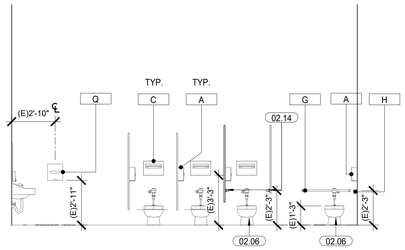
Scale	NOT TO SCALE

PLAY EQUIPMENT PLAN

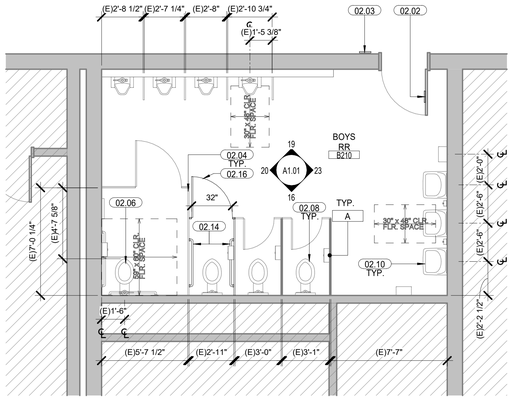
PE1.01



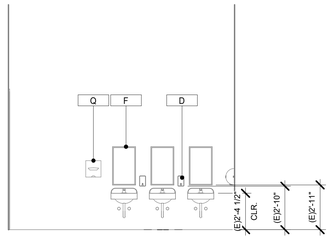
BOYS B210 RESTROOM - WEST | 1/4" = 1'-0" | A1.01 | 20



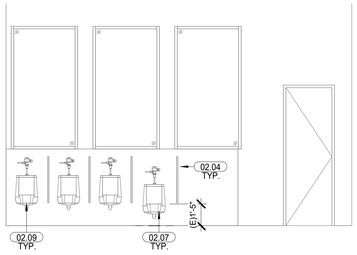
BOYS B210 RESTROOM - SOUTH | 1/4" = 1'-0" | A1.01 | 16



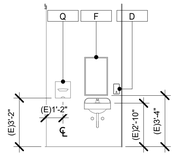
BOYS B210 RESTROOMS - ENLARGED PLAN | 1/4" = 1'-0" | A1.01 | 07



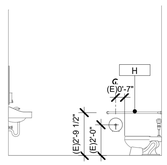
BOYS B210 RESTROOM - EAST | 1/4" = 1'-0" | A1.01 | 23



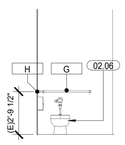
BOYS B210 RESTROOM - NORTH | 1/4" = 1'-0" | A1.01 | 19



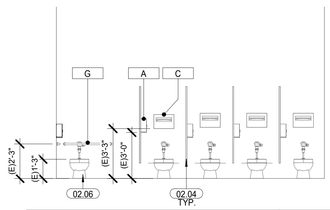
STAFF B204A RESTROOM - SOUTH | 1/4" = 1'-0" | A1.01 | 15



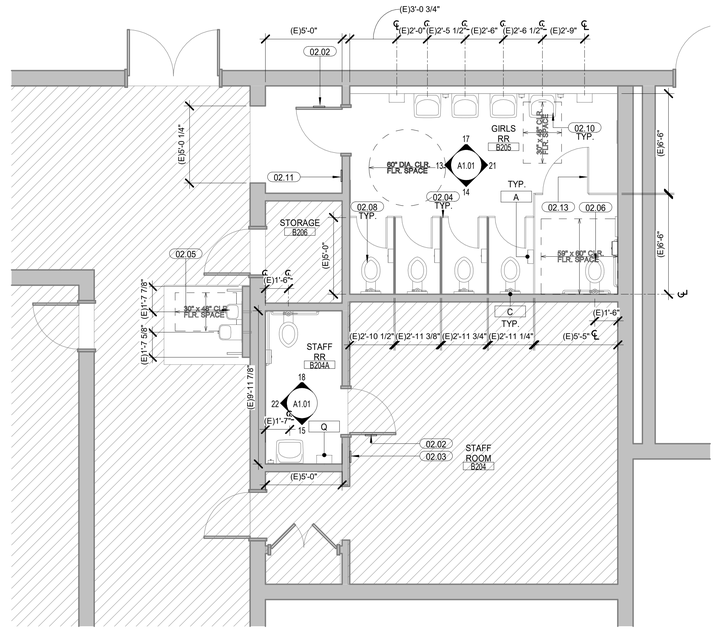
STAFF B204A RESTROOM - WEST | 1/4" = 1'-0" | A1.01 | 22



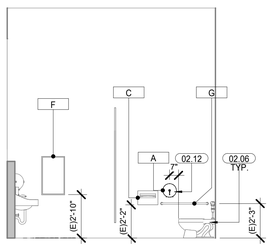
STAFF B204A RESTROOM - NORTH | 1/4" = 1'-0" | A1.01 | 18



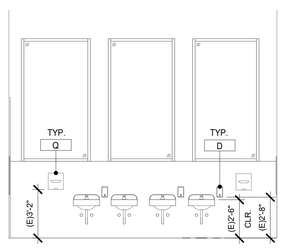
GIRLS B205 RESTROOM - SOUTH | 1/4" = 1'-0" | A1.01 | 14



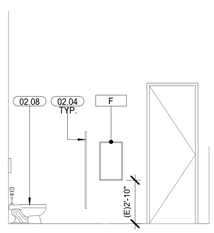
GIRLS B205 AND STAFF RESTROOMS - ENLARGED PLAN | 1/4" = 1'-0" | A1.01 | 05



GIRLS B205 RESTROOM - EAST | 1/4" = 1'-0" | A1.01 | 21



GIRLS B205 RESTROOM - NORTH | 1/4" = 1'-0" | A1.01 | 17



GIRLS B205 RESTROOM - WEST | 1/4" = 1'-0" | A1.01 | 13

KEYNOTES

02.02	(E) ACCESSIBLE RESTROOM DOOR SIGNAGE, COMPLIANT. PER 05/A10.40.
02.03	(E) ACCESSIBLE RESTROOM WALL SIGNAGE COMPLIANT PER 09/A10.40
02.04	(E) ACCESSIBLE TOILET PARTITION. PROTECT IN PLACE
02.05	(E) ACCESSIBLE DRINKING FOUNTAINS PER A# 03-113581, RE: 21/G0.32 FOR COMPLIANCE
02.06	(E) ACCESSIBLE FLOOR MOUNTED TOILET
02.07	(E) ACCESSIBLE URINAL
02.08	(E) FLOOR MOUNTED TOILET
02.09	(E) URINAL
02.10	(E) SINK
02.11	(N) ACCESSIBLE RESTROOM WALL SIGNAGE COMPLIANT PER 13/A10.40
02.12	(E) TOILET TISSUE DISPENSER TO BE RELOCATED TO COMPLY WITH 05/G0.31.
02.13	(E) TOILET PARTITION DOOR TO BE REPLACED.
02.14	(N) 36" GRAB BARS TO COMPLY.
02.16	(E) TOILET PARTITION DOOR TO BE REPLACED AND SWING OUT TO COMPLY. (N) PARTITION TO MATCH EXISTING.

LEGEND

- N.I.C., EXISTING TO REMAIN PROTECT IN PLACE U.N.O.
- (N) WOOD FLOOR ASSEMBLY. PATTERN NOT TO SCALE, FOR REFERENCE ONLY.
- KEYNOTE TAG - SEE KEYNOTE LEGEND
- EXISTING WALL TO REMAIN, PROTECT IN PLACE
- NEW METAL STUD WALL CONSTRUCTION
- (E) DOOR TO REMAIN; PROTECT IN PLACE

RESTROOM ACCESSORIES SCHEDULE

TAG #	DESCRIPTION	COMMENTS
A	(E) BOBRICK B-2890 TOILET TISSUE DISPENSER	COMPLIANT
C	(E) BORICK B-9221 SEAT COVER DISPENSER	COMPLIANT
D	(E) BOBRICK B-2111 CLASSIC SERIES SURFACE MOUNTED SOAP DISPENSER	COMPLIANT
F	(E) MIRROR	COMPLIANT
G	(E) 36" GRAB BAR	COMPLIANT
H	(E) 42" GRAB BAR	COMPLIANT
Q	(E) XLERATOR HAND DRYER XL-SB	COMPLIANT

GENERAL NOTES

1. PATCH ALL SURFACES AND PROVIDE FINISH TO MATCH ADJACENT AS REQUIRED FOR ALL DEMOLITOIN AND INSTALLATION WORK. IN CASE OF WALL PANEL REPLACEMENT ENTIRE MASONITE OR DRYWALL PANEL IS TO BE REPLACED.
2. ALL FIRE EXTINGUISHERS SHALL BE FM APPROVED & SHALL BEAR THE FM SEAL OF APPROVAL.
3. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDTIONS AND REPORT ALL DISCREPANCIES TO THE ARCHITECT.
4. ALL WALLS, EXPOSED CEILING, TRUSSES, AND STRUCTURAL ELEMENTS TO BE PAINTED P1, U.N.O.
5. PROVIDE NEW WALL BASE B1 AT WOOD FLOOR LOCATIONS.
6. PROTECT IN PLACE EXISTING TILE WALL FINISHES AND RUBBER WALL BASE AT OTHER LOCATIONS.
7. (E) SPORTS BANNERS AND AWARDS TO BE REMOVED AND RE-INSTALLED. COORDINTATE WITH SITE FOR STORAGE LOCATIONS DURING CONSTRUCTION.
8. ALL (E) WALL GRAPHICS TO REMAIN AND BE PROTECTED IN PLACE.
9. ASSISTIVE-LISTENING SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTION 11B-219 AND SHALL COMPY WITH CBC SECTION 11B-706. THE MINIMUM NUMBER OF RECEIVERS TO BE PROVIDED SHALL BE EQUAL TO 4% OF THE TOTAL NUMBER OF SEATS, BUT IN NO CASE LESS THAN TWO. 25% MINIMUM OF THE RECEIVERS PROVIDED, BUT NO LESS THAN TWO, SHALL BE HEARING-AID COMPATIBLE IN ACCORDANCE WITH CBC SECTION 11B-706.3. IF THE SYSTEM PROVIDED IS LIMITED TO SPECIFIC AREAS OR SEATS, THEN SUCH AREAS OR SEATS SHALL BE WITHIN A 50-FOOT VIEWING DISTANCE OF, AND HAVE A COMPLETE VIEW OF, THE STAGE OR PLAYING AREA. CBC SECTION 11B-219.4.
10. PROVIDE EACH ASSEMBLY AREA WITH A SIGN WHICH INCLUDES THE SYMBOL FOR HEARING LOSS IN COMPLIANCE WITH 11B-216.10 & 11B-703.7.2.4; RE: 06/A10.40

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9/30/2027
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STATE OF CALIFORNIA

ALTADENA ARTS MAGNET SCHOOL

743 E. CALAVERA ST,
ALTADENA CA 91001

Developed for
PASADENA UNIFIED SCHOOL DISTRICT

Revision	Date

Submittal	Date
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

Job Number	33366
Checked By	Checker
Scale	As indicated

EXISTING CONDITIONS FLOOR PLAN

A1.01

GENERAL NOTES:

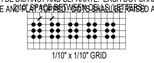
1. CHARACTER TYPE AND SIZE:

CHARACTERS ON SIGNS SHALL BE RAISED 1/32", UPPER CASE, 'FUTURA MEDIUM' TYPE AND SHALL BE ACCOMPANIED WITH CALIFORNIA GRADE II BRAILLE. RAISED CHARACTERS SHALL BE AT LEAST 5/8" HIGH, BUT NO HIGHER THAN 2".

2. BRAILLE STANDARD DIMENSIONS:

CALIFORNIA GRADE II BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED. INDIVIDUAL BRAILLE DOTS SHALL EACH BE DISTINCT AND SEPARATE. EACH DOT SHALL BE ROUNDED OR DOMED IN LIEU OR SQUARE AND SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND.

ALL BRAILLE SIGNS SHALL BE RAISED



1/10" x 1/10" GRID

3. FINISH AND CONTRAST:

CHARACTERS, SYMBOLS AND THEIR BACKGROUNDS SHALL HAVE A NON-GLARE FINISH AND CONTRAST 70% MIN. WITH THEIR BACKGROUNDS. ISA (SYMBOL) IS REQUIRED TO BE BLUE 15090 PER FED STD 595C PER 11B-703.7.2.1.
CHARACTERS & SYMBOLS - COLOR TO MATCH EXISTING SIGNAGE IN THE GYM
BACKGROUND - COLOR TO MATCH EXISTING SIGNAGE IN THE GYM (COLOR OF VISUAL SIGNS SHALL PROVIDE CLEAR CONTRAST. IF USED FOR THE GEOMETRIC DOOR SYMBOLS, COLOR SHALL CONTRAST WITH THE DOOR COLOR).
PANEL - 1/4" THICK ACRYLIC PANEL WITH PHOTO POLYMER RAISED TACTILE COPY
SUB-SURFACE SYMBOL (U.N.O.)

4. PROPORTIONS:

CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN. AND 110% MAX. OF THE HEIGHT OF THE UPPERCASE LETTER "I." STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 10% MIN. & 15% MAX. OF THE HEIGHT OF THE CHARACTER, 11B-703.2.4, 11B-T03.2.6, 11B-703.5.7

5. EXTERIOR SIGNS SHALL BE METAL COMPONENTS SUITABLE TO EXTERIOR USE AND SIMILAR TO INTERIOR SIGNS FOR SHAPE AND FORM.

6. CONTRACTOR TO SUBMIT A SCHEDULE TO VERIFY ALL PERMANENT NUMBERS AND TEXT PRIOR TO FABRICATION.

7. SIGNAGE SHA

CROSS SECTION VISUAL/TACTILE CHARACTERS

RECTANGULAR BEVELED ROUNDED

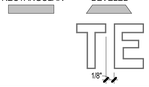


TABLE 11B-703.3.1
BRAILLE DIMENSIONS

MEASUREMENT RANGE	MINIMUM IN INCHES (MAXIMUM IN INCHES)
Dot base diameter	0.059 (1.5 mm) to 0.063 (1.6 mm)
Distance between two dots in the same cell	0.090 (2.3 mm)
Distance between corresponding dots in adjacent cells[1]	0.300 (7.6 mm)
Dot height	0.025 (0.6 mm) to 0.037 (0.9 mm)
Distance between corresponding dots from one cell directly below[1]	0.395 (10 mm) to 0.400 (10.2 mm)

1. Measured center-to-center.

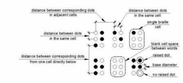


FIGURE 11B-703.3.1
BRAILLE MEASUREMENT

BRAILLE CHARACTERS

.025"
1/40"

ROUND DOT REQUIRED

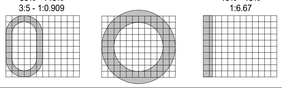
NO

SQUARE DOT (NOT ACCEPTABLE)

FONT RATIO

WIDTH TO HEIGHT RATIO
60% - 110%
3:5 - 1:0.909

STROKE TO HEIGHT RATIO
10% - 15%
1:6.67



CONTRAST
MINIMUM 70% CONTRAST DIFFERENCE BETWEEN CHARACTERS/GRAPHICS AND BACKGROUND

0% WHITE ON 100% BACK-GROUND | 0% WHITE ON 70% BACK-GROUND | 30% TEXT CONTRAST ON 100% BACK-GROUND | 15% TEXT CONTRAST ON 100% BACK-GROUND

STATE FIRE MARSHAL
NOTES:
CALIFORNIA BUILDING CODE, SECTION 1013.4 RAISED CHARACTER AND BRAILLE EXIT SIGNS

TACTILE EXIT SIGNS SHALL BE REQUIRED AT THE FOLLOWING LOCATIONS:

1. "EXIT" SIGN @ EACH GRADE LEVEL EXTERIOR EXIT DOOR.
2. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIST BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE: "EXIT STAIR DOWN," "EXIT RAMP DOWN," "EXIT STAIR UP," OR "EXIT RAMP UP"
3. "EXIT ROUTE" SIGN @ EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR AN EXIT PASSAGEWAY.
4. "EXIT ROUTE" SIGN @ EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE VISUAL EXIT SIGNS.

NOTE: TO EXIT" SIGN @ EACH EXIT ACCESS DOOR THROUGH A HORIZONTAL EXIT.
* SIGNAGE SHALL COMPLY WITH CBC SECTION 11B-703
* SIGNAGE SHALL COMPLY WITH CFC SECTION 1011.4

ASSISTIVE LISTENING SYSTEM REQUIREMENTS
MAIN COURT RM. #D-26 = 536 OCC. x 4% = 1 RECEIVER
TOTAL RECEIVERS REQUIRED = 22

PRACTICE AREA RM. #D-22 = 831 OCC. x 4% = 1 RECEIVER
TOTAL RECEIVERS REQUIRED = 34

PRACTICE AREA RM. #D-37 = 831 OCC. x 4% = 1 RECEIVER
TOTAL RECEIVERS REQUIRED = 34

HEARING AID COMPATIBLE RECEIVERS = 90

SYMBOL PROPORTIONS

DISPLAY CONDITIONS

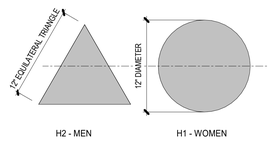
NOTES:
1. FASTEN SIGNS TO WALL W/ CONCEALED FASTENERS.

SIGN TYPE K | 3" = 1'-0" | A10.40 | 06

NOTES:
1. (E) SIGNAGE COLORS SHALL CONTRAST WITH THE (E) DOOR COLOR

2. FOR ADDITIONAL INFORMATION REGARDING COLOR SELECTION AND LOCATION SEE DETAIL **02-**

3. (E) DOOR SIGNAGE ARE EASED EDGES, TYP

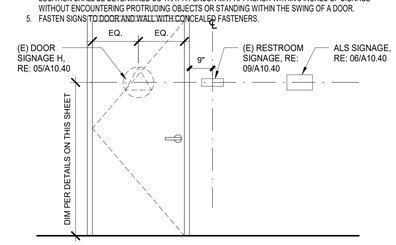


H2 - MEN H1 - WOMEN

SIGN TYPE H | 1 1/2" = 1'-0" | A10.40 | 05

NOTES:

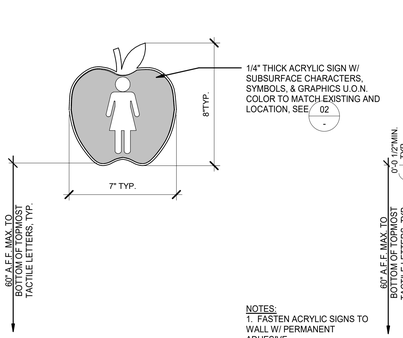
1. STATE OF CALIFORNIA LAW PROVIDES THAT "ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO, AND USABLE BY PHYSICALLY DISABLED PERSONS SHALL BE INDENTIFIED WITH AT LEAST ONE STANDARD INTERNATIONAL SYMBOL OF ACCESSIBILITY ENTRANCE SIGN. STATE OF CALIFORNIA SENATE BILL NO. 1242 ALSO REQUIRES THAT ALL BUILDINGS, ROOMS, SPACES, ELEVATORS, ETC. BE PROVIDED WITH TACTILE IDENTIFICATION SIGNAGE PER CALIFORNIA BUILDING CODE.
2. LOCATE SIGN OUTSIDE OF DOOR ENTERING ROOM ADJACENT TO THE LATCH SIDE OF THE DOOR PER PLAN, AT LOCATIONS WHERE GLASS OCCURS, SUCH AS A SIDELITE, PROVIDE AN LTV VINYL BACKER, CUT TO SAME SIZE AS SIGN, MOUNTED TO OPPOSITE SIDE OF GLASS TO OBSCURE BACK SIDE OF SIGN. COLOR TO MATCH SIGN.
3. EXIT SIGNS SHALL BE MOUNTED BACK TO BACK AT SIDELIGHT CONDITIONS, TO CONCEAL VHB TAPE AND SILICONE MOUNTING.
4. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING THE DOUBLE LEAF DOORS, SIGN 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.
5. FASTEN SIGNS TO DOOR AND WALL WITH CONCEALED FASTENERS.



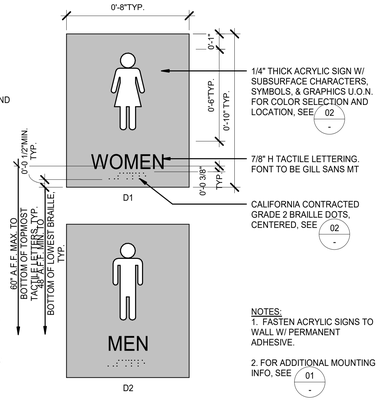
NOTE: SIGNAGE MOUNTING LOCATIONS & HEIGHT SHALL COMPLY WITH CBC SECTION 11B-703.4.1

SIGNAGE GENERAL NOTES | 12" = 1'-0" | A10.40 | 02

MOUNTING HEIGHTS | 1/2" = 1'-0" | A10.40 | 01



SIGN TYPE E | 3" = 1'-0" | A10.40 | 13



SIGN TYPE D | 3" = 1'-0" | A10.40 | 09

LPA

ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING

949-261-1001 Office

LPADesignStudios.com

5301 California Avenue, Suite 100
Irvine, California 92617

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

LICENSED ARCHITECT
NICOLE MEHTA
C30830
9/30/2027
RENEWAL DATE
STATE OF CALIFORNIA

ALTADENA ARTS MAGNET SCHOOL

743 E. CALAVERA ST,
ALTADENA CA 91001

Developed for
PASADENA UNIFIED SCHOOL DISTRICT

Revision	Date

Submittal	Date
DSA SUBMITTAL	02/02/2026
DSA SUBMITTAL V2	03/13/2026

Job Number	33366
Checked By	Checker
Scale	

SIGNAGE DETAILS

A10.40

STRUCTURAL STEEL

1. Provide readily identifiable structural steel compliant with Applicable Code Section 2202A.1.

2. Structural Steel: Furnish structural steel complying with the following ASTM standard specifications unless noted otherwise:

Use/Shape	Type/Grade	GWP Limit (unfabricated) (MT CO_2e/MT)	Notes
Wide Flanges and Channels	ASTM A992, Grade 50	1.01	
Angles	ASTM A572, Grade 50	1.01	
Plates	ASTM A572, Grade 50	1.49	
Hollow Structural Sections (rectangular and round)	ASTM A500, Grade C (50 ksi)	1.71	
Pipes:	ASTM A53, Grade B (35 ksi)		
Anchor Rods:	ASTM F1554, Grade 55		Weldable All Threaded
Headed Anchor Bolts	ASTM F1554, Grade 55		Weldable

3. Holes for Bolted Connections and Anchor Rods: AISC "standard" holes, unless noted otherwise. See note below for oversized holes for anchor rods in non-frame base plates.

4. High Strength Bolts, Nuts and Washers: AISC "Specification for Structural Joints Using High-Strength Bolts."
   A. Hardened Washers: ASTM F436, under nuts, except where plate washers are used. Provide beveled washers where joint face slope is greater than 1:20.
   B. Tightening: Snug tight for all high-strength bolts except tighten A325-SC and A490-SC bolts to at least the minimum proper tension according to the AISC Specification.
   C. Provide Class A Faying Surface or better at bolted connections indicated with "SC" type bolts.
   D. All bolts that are part of the "Seismic Force Resisting System" shall be "SC" type bolts.

5. Welding:
   A. Applicable Welding Standard: Applicable Code and latest adopted edition of AWS D1.1 and D1.8.
   B. Pre-qualified and Non-Pre-qualified Welds: Welds shall be pre-qualified in compliance with Applicable Welding Standard. Where non-pre-qualified welds are to be used, qualify by test and procedure qualification test record complying with Applicable Welding Standard.
   C. Work performed by Welders and Inspectors: Adhere to approved Welding Procedure Specification (WPS). Each welder and inspector shall retain a copy of WPS.
   D. Pre-construction Meeting: Conduct to include Architect (Structural Engineer), fabricator, erector, Contractor and inspectors to discuss Welding Procedure Specification (WPS).
   E. Welding Procedure Specification (WPS): The fabricator/erector shall develop a WPS in compliance with the Applicable Welding Standard. Submit the WPS to the Architect (Structural Engineer) for record before fabrication.. Procedures submitted shall result in completed connections that comply with the design intent of structural drawings. No deviation from structural drawings is permitted unless otherwise accepted by Architect (Structural Engineer) and approved by Governing Code Authority.
   F. Welding Electrode (Filler Metal): E70xx (70 ksi), UNO. Use low hydrogen electrodes only.
      a. Provide filler metal with Charpy V-notch toughness of 20 ft/lbs at or lower than 0°F as determined by the appropriate AWS classification test method. See REINFORCING STEEL for electrodes at reinforcing bar to reinforcing bar, UNO.
      b. Complete penetration welds: provide filler metal with Charpy V-notch toughness of 20 ft/lbs at -20°F.
      c. Welds indicated as "Demand Critical" (DC) shall comply with AISC 341 sections A3.4b and I2.3. These welded connections shall be made with a filler metal achieving a minimum Charpy V-notch toughness of 20ft/lbs at or lower than 0°F and 40ft/lbs at or lower than +70°F.
   G. Welding Toughness Requirements: Certify conformance to Charpy V-notch toughness requirements with tests by an independent testing laboratory for each AWS classification, manufacturer and trade name. Testing procedures shall be in accordance to Applicable Welding Standard and AWS D1.8.
   H. Fabricators: Perform shop welds by fabricators approved by LA City or AISC.
      a. Welder Qualification: Welders, regardless if Work is performed in shop or in field, shall be qualified for the Work they will be doing and shall have certifications current and acceptable to Governing Code Authority.
      b. Special inspection shall be required for all welding, as required by governing code authority.
   I. Welds Exposed to View:
      a. Faces of fillet welds exposed to view shall have as-welded surfaces that are reasonably smooth and uniform. No finishing or grinding shall be required, except where clearances or fit of other items may so necessitate.
      b. Partial and full penetration welds exposed to view shall be ground smooth and flush with finish surface of steel. Remove backup bars and weld tabs. Fill holes with weld metal or body solder and smooth by grinding or filing.
   J. Groove Preparation: Clean groove preparation thermal cuts by grinding.
   K. Termination of Welds: Terminate at joint ends in a manner that ensures sound welds. Use extension bars and run-off tabs whenever necessary.
   L. Hand-held Calibrated Amp and Volt Meters: To be used by fabricator, erector and inspectors to assure proper amperage and voltage of welding process. Measure amperage and voltage at arc. Verify travel speed and electrode stick-out in compliance with electrode manufacturer's recommendations and with approved WPS.
   M. Storage of Electrodes: Adhere to Section 5.3 of AWS D1.1.
   N. Weld each flange of moment frame beam to column connections in one continuous process without cooling below pre-heat temperature.
   O. Welding of ASTM A913 Materials: Perform according to requirements of latest edition of AWS standard, structural drawings and specifications, whichever is more stringent.
   P. Minimum Fillet Weld Size: Where minimum fillet weld size, as stipulated by AISC Section J2 and Table J2.4, exceeds fillet weld size indicated on structural drawings, use AISC stipulated size.
   Q. Minimum Groove or Butt Weld Size: Provide complete penetration unless indicated otherwise.
   R. Minimum Flare Bevel Weld Size: Provide weld flush to outside face of surface unless indicated otherwise.
   S. Weld Length: Length of welds shown are net effective lengths. Where length of weld is not indicated, provide weld full length of joint.
   T. Welding at Galvanized Steel: Galvanization shall be ground off prior to welding. Repair galvanization after completion of welding.

6. Shop Drawings: Submit To Architect (Structural Engineer) for review and, upon request, to Governing Code Authority. Include sequence of erection procedures from approved WPS:

7. Sustainable Design Submittals: Submit type III factory-specific or product-specific environmental product declaration (EPD) for each of the following products:
   A. Hot Rolled Structural Steel
   B. Hollow Structural Steel
   C. Steel Plate

8. Fabrication: Perform in shop approved by LA City or AISC
   A. Moment Connections: Orient flange stiffener plates and cap plates used in moment connections so that rolling direction of plate is parallel with direction of principal stress.
   B. Horizontal Members: Place natural camber up.
   C. Filler Plates: Provide at splices of parts having more than 1/8-inch difference in thickness. Filler plates to match grade of material spliced.

9. Traceability:
   A. Material tracing is required for all steel including miscellaneous metals, connectors, and steel products manufactured by third parties. The contractor is advised that material tracing is required as directed by DSA and the project inspection team and may include any or all of the levels of traceability described below:
      a. Lot traceability: materials can be traced to the set of mill test reports (MTRs) for the project.
      b. Piece-mark traceability: heat number can be correlated to each piece mark.
      c. Piece traceability: heat number can be correlated for each piece, which requires separate piece marks for each piece, or marking of each individual piece with its heat number.
   B. Prior to placing the mill order, the contractor shall schedule a preconstruction meeting to include the AOR, SEOR, PI and inspectors responsible for inspection of the steel material fabrication and erection/installation for the purpose of reviewing material traceability requirements.
   C. The contractor shall include the cost of piece traceability in their basic services and provide deductive alternates for piece-mark and lot traceability to be provided as a credit to the Owner.

10. Cleaning: After fabrication, clean steel surfaces free of rust, loose mill scale, and oil.

11. Oversized Holes for Anchor Rods in Non-Frame Column Base Plates: Oversized holes in the base plate may be provided at the contractor's option in accordance with AISC Table 14-2 UNO. Where oversized holes are provided, provide a plate washer with a standard hole with a minimum size per AISC Table 14-2 (3/8" thick min) UNO.

12. Exposure to Soil: Encase structural steel in lean concrete with 4 inches of concrete cover where exposed to soil.

13. Exposure to Weather: UNO, All structural steel (including connection elements) exposed to weather shall be hot dipped galvanized or coated in high performance exterior grade paint. Coordinate finishes with architect at AESS. At welding on galvanized or painted members, remove and repair galvanization or paint as required.

14. Exposure to View: All structural steel (including connection elements) exposed to view in the completed structure shall be designated Architecturally Exposed Structural Steel (AESS) UNO. AESS classification of members, unless a more restrictive class is indicated in Architectural drawings or project specifications, shall be as follows:
    A. All Exposed Steel, UNO: AESS-1

15. Heavy Sections
    A. Heavy sections shall comply with AISC 360-16 Section A3.1c
    B. Heavy sections forming part of the "SFRS" shall also comply with AISC 341-16 Section A3.3
    C. Welded Splices, including welds to baseplates shall comply with AISC 360-16 Section J1.5

16. See QUALITY ASSURANCE general notes for non-destructive testing.

17. SFRS denotes items considered part of the "SEISMIC FORCE RESISTING SYSTEM" (Refer to AISC 341-16 and AWS D1.8).

18. DC denotes welds considered "DEMAND CRITICAL" per AISC 341-16 Section A3.4B and I2.3.

19. Field weld flag symbols indicate design intent but are not requirements. Whether a weld is to be made in the shop or in the field is means and methods to be coordinated by the contractor.

20. Where bent plates specified cannot be bent due to thickness, provide two plate pieces joined with a complete penetration weld.

CAST-IN-PLACE CONCRETE

1. Concrete mixing shall comply with ASTM C94.

2. Hydraulic Cement, see table for types:
   A. ASTM C595
   B. Alternatively, ASTM C150 type II/V.

3. Aggregates:
   A. Normal Weight Concrete Aggregate (NW): ASTM C33 for aggregates of natural sand and rock. The maximum aggregate size is noted in the table below. The maximum dry density shall be 145 pcf.
      a. Where smaller aggregate is required for workability or areas of congestion, the contractor shall submit a request to the structural engineer prior to submitting the mix design. Pea gravel is not permitted.
   B. Light Weight Aggregate (LW) for Structural Concrete: ASTM C330, expanded shale lightweight aggregate. The maximum dry density shall be 115 pcf.
   C. Alkali Aggregates: Aggregate shall be non-reactive per ASTM C1778.

4. See the table below for the required concrete properties:

Class	Use/Location	Strength (psi) 28-Day	Agg Type	Max Agg Size (in)	Slump (in)	Max w/c	Target Air %	ASTM C595 Type	Exposure Category	GWP Limit $kgCO_2e/m^3$
A	UNLESS NOTED OTHERWISE	4,000	NW	1	3-5	0.5	--	IL	F0,S0	324
B	PIERS / CAISSONS	4,000	NW	1 1/2	5-7	0.6	--	IL	F0,S0	280

5. Slump: Per ACI 301, CH. 4 and CBC section 1705A.3. The specified slump above is measured before applying chemical add mixtures. The slump may be increased at the contractor's option for workability and should be noted in the mix design submittal.

6. Global Warming Potential (GWP): as defined in the specifications.
   A. Concrete may be considered one product category to comply with the GWP Limit. A weighted average of the maximum GWP for all concrete mixes installed in the project shall be less than the weighted average maximum GWP as specified above. Calculations shall be submitted for approval.

7. Air content shall be +/- 1.5 percentage points from the specified target air content in the table above.

8. All concrete above grade, including slab on grade, deck fill, wall, topping slab, stair landing and tread, shall have 1.5 pounds of 3/4" long fibrous reinforcing per cubic yard of concrete.

9. Lean Concrete: Where specifically indicated, containing 2 sacks of cement per cubic yard of concrete. Use only where specifically called for.

10. Non-shrink Grout: ASTM C1107, cementitious, non-metallic, attaining a compressive strength of 8000 psi.

11. Concrete Mix Design Submittal: Prior to ordering concrete, submit for each compressive strength and type of concrete required designed, mix designs signed, and sealed by a registered Civil or Structural Engineer in State of California to Architect (Structural Engineer), Special Inspector and to Governing Code Authority complying with California Building Code, Chapter 19.

12. Sustainable Design Submittals: For each concrete mix design to be used on site, submit a Type III factory-specific or product-specific environmental product declaration (EPD).

13. Construction Joint: Roughen surface to 1/4-inch amplitude. Clean, remove laitance, thoroughly wet and remove standing water before placing new concrete. Submit to the Architect (Structural Engineer) at least 14 days prior to placing concrete indicating locations of construction joints and extent of pours. Place joints at locations to minimize the effects of shrinkage as well as being placed at points that least impair the strength of the structure. Provide dowels as directed.

14. Embedments and Penetrations in Concrete: No penetration through structural concrete is permitted unless shown in these drawings or specifically accepted in writing by the Architect (Structural Engineer). Do not cut any reinforcing.
    A. Pipes, Sleeves, Conduits, and Ducts: Not permitted embedded or penetrating concrete spread footings, columns, walls or concrete cast over metal decking, except as shown in these drawings.
    B. Conduits Embedded in Structural Concrete Slabs: Not permitted unless limited to two layers of 1 inch, and 1/6 slab thickness. outside diameter conduits and smaller spaced at least 3 inches center to center and within middle third of slab thickness. No conduit embedded in concrete cast over metal decking is permitted. No aluminum conduit is permitted.

15. Chamfered Corners: Provide 3/4-inch chamfer at exposed corners of columns, beams and walls except where structural walls are laid flush with column or beam faces, unless detailed otherwise.

16. Curing: Maintain concrete above 50 degrees Fahrenheit and in a moist condition for a minimum of 7 days after placement unless otherwise accepted by the Architect (Structural Engineer).

17. Non-Structural Topping slab shall be normal weight concrete reinforced with 6x6-W3.5xW3.5 W.W.F. at the center line of the slab. See plans & details for information on concrete fill over metal deck.

18. The maximum size for a single elevated concrete slab pour shall be 25,000 sq. ft. and shall have a maximum length to depth ratio of 2:1.

19. The maximum water-soluble chloride ION (CI) content in concrete by percentage of weight cement is 0.30.

20. Where “Styrofoam” or “EPS” is indicated on the drawings, provide expanded polystyrene conforming to ASTM D6817 Type EPS12 with the following physical properties.

A.	Density (min):	0.70 lb/ft^2
B.	Compressive Resistance (min):	2.2 psi @ 1% strain
C.	Flexural Strength (min):	10.0 psi

REINFORCING STEEL

1. Reinforcing Steel: All bars shall be deformed.Table Notes:

Use/Location	Type/Grade	GWP Limit (unfabricated) $MTCO_{2e}/MT$	Notes
Standard Bars (#3 thru #6)	ASTM A615, Grade 60	0.89	A
Standard Bars (#7 and larger)	ASTM A615, Grade 60	0.89	A
Bars to be welded (#3 thru #6)	ASTM A706, Grade 60	0.89	-
Bars to be welded (#7 and larger)	ASTM A706, Grade 60	0.89	-
Smooth WWF	ASTM A1064, Fy = 65 ksi	-	B
Deformed wire stirrups	ASTM A1064, Fy = 65 ksi	-	C
Spiral reinforcing	ASTM A1064, Fy = 65 ksi	-	-

   A. Additional Requirements for Bars, Excluding Ties, for vertical bars in Shear Walls:
      a. No additional requirements if ASTM A706 bars are used.
      b. ASTM A615 bars are permitted provided actual yield strength based on mill tests does not exceed specified yield strength by more than 18,000 psi (retests shall not exceed this value by more than an additional 3,000 psi) and ratio of actual ultimate tensile stress to actual yield stress is not less than 1.25.
   B. Provide WWF in flat sheets only - do not use rolled mesh. Lap 1-1/2 wire spaces (1 foot minimum).
   C. Only D4 and larger are allowed.
   D. MT = Metric ton

2. Reinforcing shall be placed in accordance with the American Concrete Institute Standard 318 (ACI318) and Concrete Reinforcing Steel Institute's (CRSI) "Manual of Standard Practice". Reinforcing shall be kept clean and free of rust.

3. Provide all accessories needed to support reinforcing in the positions shown in the drawings. Chairs and spacers for reinforcing shall be non-ferrous or plastic-coated when resting on exposed concrete surfaces.

4. Shop Drawings: ACI 318. Show reinforcing steel placement, including sizes, quantities, spacing, clearances, splice locations, lap lengths, and concrete coverage and submit to the Architect (Structural Engineer). Promptly notify the Architect (Structural Engineer) prior to developing shop drawings if insufficient clear distances between reinforcing steel and other congestion are encountered. Notify Special Inspector of adjustments made from approved Contract Documents which are indicated on accepted shop drawings that facilitate field placement of reinforcing steel and concrete. All bars shall be marked so that they can easily be identified by the project inspector after installation.

5. Sustainable Design Submittals: For each type and grade of reinforcing, submit a type III factory-specific or product-specific environmental product declaration (EPD).

6. Lap Splices: At concrete, Provide Class B splices per Typical Bar Development Schedules UNO. At masonry, provide 72db lap splice length UNO. Splice bars only at locations indicated. If additional splice locations are proposed, promptly notify the Architect (Structural Engineer) prior to developing shop drawings.
   A. Splices in Walls: Locate splices in horizontal bars at well-staggered locations. Do not splice vertical bars except at horizontal supports such as floor and roof diaphragms.

7. Mechanical and Welded Splice: Mechanical Splices and Welded Splices are to be used only at the indicated locations. Notify the Architect (Structural Engineer) of all instances prior to developing shop drawings.
   A. Mechanical Splice: Mechanical couplers shall have a current Evaluation Report and satisfy ACI requirements for type 2 couplers for the applicable bar size/grade designation.
   B. Welded Splice: Welded splice shall develop at least 125 percent of the yield strength of the spliced bar for the applicable bar size and grade designation.

8. Minimum Clearances Between Parallel Reinforcing Steel, Including Distance Between Sets of Spliced Bars: 1 inch, 1 bar diameter, or 4/3 times the maximum aggregate size, whichever is greater. 1-1/2 inches, 1-1/2 bar diameters, or 4/3 times the maximum aggregate size, whichever is greater, at columns, piers, and pilasters only. For bundled bars, minimum clear distances between units of bundled bars shall be the same as single bars, except bar diameter is derived from the equivalent total area of the bundle.

9. Specified Concrete Coverage: Place bars as near to the concrete surface as the following specified coverages and in accordance with ACI 117:

A.	Slabs on Grade	Locate at the center of slab.
B.	Slabs Supporting Earth Above	1-1/2 inches from top.
C.	Formed Concrete Exposed to Earth or Weather	1-1/2 inches (#5 and smaller) 2 inches (#6 and larger)
D.	Concrete Poured Against Earth (Unformed)	3 inches
E.	Walls Above Grade, Exposed to Weather	1-1/2 inches (#5 and smaller) 2 inches (#6 and larger)
F.	Walls Above Grade, Not Exposed to Weather	3/4 inch (#11 and smaller) 1-1/2 inches (#14 and larger)
G.	Columns (Clear to Face of Ties)	1-1/2 inches
H.	Beams (Clear to Face of Ties)	1-1/2 inches
I.	Structural Slabs, Not Exposed to Weather (Top and Bottom)	1 inch (#8 and smaller) 1db (#9 and larger)
J.	Structural Slabs, Exposed to Weather	1-1/2 inches (#5 and smaller) 2 inches (#6 and larger)
K.	Structural Slabs over Void Forms	1 inch (top #8 and smaller); 1 db (#9 and larger) 2 inches (bottom)

10. Dowels between foundations and vertical wall & column bars shall match the size, grade and spacing of the column up wall vertical reinforcing and be lapped with a class B lap splice, UNO.

11. Dowels at Construction Joints: Provide dowels matching size and quantity of reinforcing steel interrupted at construction joints, unless detailed otherwise.

12. Placement of Bars in Walls (unless detailed otherwise): Place vertical bars closest to wall surfaces at curtains containing vertical and horizontal bars of the same size. In curtains with vertical and horizontal bars of different sizes or spacing, place the layer with the most steel area closest to the near wall surface.

13. Bars Terminating at Walls, Columns, Beams, and Foundations: Extend bars to within 2 inches (3 inches at concrete poured against earth) of the far face of the wall, column, beam, or foundation and provide a standard hook unless detailed otherwise.

14. Bars Interrupted by Structural Steel: Extend bars within 2 inches of the steel face and provide a standard hook unless detailed otherwise.

15. Welding: AWS D1.4, edition adopted by applicable code.
    A. Acceptable Reinforcing Steel for Welding: ASTM A706. If welding of reinforcing steel other than A706 is desired, submit a proposed procedure, indicating conformance with the Applicable Code and requirements of the Governing Code Authority, to the Architect (Structural Engineer) for acceptance and to the Governing Code Authority for approval prior to execution.
    B. Rebar to rebar weld is not allowed except where specifically indicated on plans. Provide electrode E80XX (80 ksi) where permitted.
    C. Welder Certification: As required by the Governing Code Authority.

16. See welding notes in the Structural Steel Section of these notes for additional requirements.

17. Bending: Bend cold unless otherwise accepted by the Architect (Structural Engineer). Do not field-bend reinforcing steel bars embedded in concrete unless otherwise accepted in writing by the Architect (Structural Engineer).

18. In-plant fusion welding of holding wires to ties, stirrups and hoops in beams, columns and grade beams to preassemble reinforcing steel cages is permitted under the following conditions per CBC 2022 1903A.8:
    A. Fusion welding is not allowed to longitudinal reinforcing steel in any beam, column or grade beam. The holding wire area shall not exceed 5% of the beam, column or grade beam cross sectional longitudinal steel area.
    B. Fusion welding of holding wires to the ends of the reinforcing steel placed in mats (spread footings, slab reinforcement, etc.) provided the fusion weld occurs within 6 bar diameters of the free end of the bar (e g. not allowed at the end of coupled, t-headed or weld spliced bars).
    C. Fusion welding of holding wires shall not occur on a bent portion of a reinforcing bar. After holding wire has been fusion welded to a reinforcing bar, that bar may not be bent where the fusion weld occurs.
    D. Contractor to submit complete shop drawings indicating which members will use fusion welding process for preassembly. Provide complete details indicating the size of stirrups, holding wires and welding requirements.
    E. Holding wires shall conform to ASTM A1064.
    F. All reinforcing steel to be welded shall comply with ASTM A706 Grade 60.
       a. Contractor to submit complete shop welding program outlining the following: Type of specific fusion welding machine (i.e. Schnell IDEA 12/25 Machine, etc.)
       b. Periodic inspection of the in-plant welding.
    G. Fusion welded reinforcing steel shall have one tensile test taken from one specimen sampled at a rate of 2.5 tons or fraction thereof of each size of reinforcing steel fusion welded. No bend test is necessary. The specimen shall have a holding wire attached to it that need not be removed. The elongation requirements shall comply with the ASTM of reinforcing steel specified on the construction documents (e g. if A615 is specified, but A706 is used due to the welding requirement, then A615 elongation requirements shall be satisfied).
    H. The use of fusion welding shall conform to ACI 318-19 26.6.4.
    I. If field conditions result in conflicts with other structural members (ex. anchor bolts) the rebar must be relocated in the field to avoid said conflicts.

DESIGN LOADING

1. Loading and Design Parameters:
   A. Live Load
      a. Floor / Roof Live Load: Per CBC 1607A.1. See legends as provided on loading plan sheets.

• Wood Bridge Floor Live Load:	100 psf
• Roof Live Load:	20 psf

      b. Live Load Reduction:

• Floor Live Load of 100 psf and below:	General (Section 1607.12.1)
• Floor Live Load over 100 psf:	Non-Reducible
• Roof Live Load:	General (Section 1607.14.1)

   B. Wind Design Parameters

Wind Speed Strength level, V:	101 MPH (STRENGTH)
a. Wind Speed Allowable Stress, V_{asd}	79 MPH (ASD)
b. Risk Category:	II
c. Exposure:	C
d. Enclosure Classification:	Site Screen

   C. Project Seismic Design Parameters:

a. Site Class:	D
b. Mapped Spectral Acceleration (S_s, S_1):	SS = 2.19, S1 = 0.73
c. Site Specific Spectral Response Coefficient (S_{DS}, S_{D1}):	SDS = 1.56, SD1 = 1.13
d. Site Coefficient (F_a, F_v):	XX, XX (respectively)
e. Risk Category:	II
f. Seismic Importance Factor I_e:	1.0
g. Seismic Design Category:	D

DEFERRED SUBMITTAL ITEMS ANCHORED OR SUPPORTED BY STRUCTURE

1. Design Responsibility: Contractor to design and obtain separate AHJ approval for deferred approval items noted on Gx series sheets.

2. Shop Drawings and Structural Calculations: Submit design plans, details and calculations of deferred submittal items signed and sealed by a registered structural engineer registered in the state having jurisdiction to Architect (Structural Engineer) for acceptance and to AHJ for approval prior to fabrication.

3. Design: Design components for imposed forces, including lateral restraint, complying with the Applicable Code, Contract Documents, and applicable portions of AISI Specifications. If the building Seismic Force Resisting System (SFRS) is used for lateral restraint, indicate load paths to the building lateral resisting system in calculations and show connection forces on shop drawings. Where the building provides vertical support, indicate loads and load paths to the building in calculations and show connection forces on shop drawings. Dead load elements at the lowest level of connection uno Design loads are as follows:

A.	Dead load:	Self-weight of the deferred system (including supported components of other systems).
B.	Live load:	Per applicable code. See General Notes Section LOADS
C.	Seismic and wind loads:	Per applicable code. See General Notes Section LOADS.

   D. Design Movement:
      a. Lateral Movement: See General Notes Section LOADS
      b. Vertical Movement: Live Load Deflection of L/360

4. Stabilizing Elements at Connections to Structural Members: Design connections of deferred submittal items to supporting structure such that torsion in supporting elements is avoided whenever possible. Where torsion in supporting element has resulted, provide beam bottom flange kicker brace per detail 17 or 18/S6.11 at each connection point.

QUALITY ASSURANCE (STRUCTURAL OBSERVATION, MATERIALS TESTING, and SPECIAL INSPECTION)

1. Structural Observation:
   A. The Architect (Structural Engineer) of record will visually observe the construction as required by CAC 4-333 and CAC 4.341 and in accordance with the governing code. These visual observations shall not be considered a substitute for special inspections.
   B. Coordination Responsibilities of Contractor: Notify the Architect (Structural Engineer) 48 hours in advance of critical stages of construction indicated below so visits may be scheduled by the Structural Observer. Failure by the Contractor to meet the observation schedule may require the removal of subsequent Work for observation. Contractor to bear costs of removal and replacement of finished Work or framing damaged by the removal process or as required for corrective action and for any associated scheduling delays.
      a. Critical stages of construction that require structural observation.
         - Prior to pouring the first foundation.
   C. Pre-construction Meeting: The owner may coordinate and call for a meeting between the Architect (Structural Engineer) responsible for structural design, the Structural Observer, the Contractor, affected subcontractors and the Special Inspector. Structural observer will preside over this meeting. Purpose of meeting is to identify major structural elements and connections that affect vertical and lateral load resisting systems of structure and to review schedule of Structural Observation, Materials Testing, and Special Inspection of Project.

2. Mill Test Reports Certifying Materials: The contractor shall submit mill test reports certifying reinforcing steel, and structural steel are of identifiable tested stock to the Owner, Special Inspector, Architect (Structural Engineer) and, upon request, to the AHJ. Ensure materials are properly tagged for identification. If mill test reports cannot be made available or if material cannot be identified, the Testing Laboratory will perform tests as directed by the Architect (Structural Engineer). The contractor shall pay the Testing Laboratory for costs related to tests and inspections of unidentifiable materials or materials furnished without mill test reports, materials found deficient after initial tests and inspections, or materials replacing deficient materials.
   A. Ultrasonic Examination of Heavy Rolled Shapes and Thick Plates at Proposed Welded Moment Connections: Where complete penetration groove welds occur at Groups 4 and 5 structural steel shapes, as defined in ASTM A6, and plates exceeding 2 inches thick, submit mill test reports to Architect (Structural Engineer) and, upon request, to Governing Code Authority. Mill test reports shall certify that Charpy V-notch testing was conducted in compliance with ASTM A6, Supplementary Requirement S5, including impact test complying with ASTM A673 at frequency P with a minimum average value of 20 ft.-lbs. absorbed energy at 70 degrees Fahrenheit.

3. Weld Testing and Inspection: Testing Laboratory will submit weld test results to Owner, Contractor, Architect (Structural Engineer) and to Governing Code Authority. See Specifications for testing requirements not indicated on structural drawings.
   A. Structural Steel Welding: Apart from visual inspection and review of fabrication and erection reports of fabricator/erector's own quality control testing and inspection, the Owner's Testing Laboratory will perform indicated shop and field inspection and testing. The Testing Laboratory will be AWS Q.C.-1 certified and will provide inspectors for continuous inspection of steel fabrication and erection and structural welding. Shop and field testing of materials and welding will be as follows:
      a. Ultrasonic testing (UT) is required for all (100%) complete penetration welds. Test groove welding on continuity plates by ultrasonic testing after beam flange weld connection. Testing shall be performed 24 hours or more after completion of welding. Weld backing removal areas and fillet welds shall be subjected to magnetic particle examination.
         - UT testing reduction: Where the initial rate for UT is 100%, the NDT rate for an individual welder or welding operator is permitted to be reduced to 25% provided that the number of welds containing unacceptable defects divided by the number of welds completed (reject rate) is 5% or less of the welds tested for the welder or welding operator. A sampling of at least 40 completed welds for a job shall be made for such reduction evaluation. See AISC 360-10 N5.5e and AISC 341 J6.2g for additional information.
         - UT Reduction is NOT permitted at demand critical welds.
         - Documentation: All Nondestructive Testing (NDT) performed shall be documented per AISC 360-16 N5.5g.
      b. Base metal thicker than 1-1/2 inches, subjected to through-thickness weld shrinkage, will be ultrasonically tested directly behind such welds after welds have cooled to ambient temperature.
      c. Welds shall be visually inspected and periodically measured (15 percent minimum).
      d. Check 10 percent of fillet welds by magnetic particle (ASTM 109 method). Check 25 percent of continuity plate fillet welds by magnetic particle, UNO. At continuity plates in moment connections (where CJP is used on one or more plate ends), 100 percent of fillet welds shall be tested by magnetic particles.
      e. Ultrasonically test column flanges located at proposed welded moment connections, continuity plates, doubler plates and base plates where column flange or plate thickness exceeds 1-1/2 inches. Test for evidence of laminations, inclusions or other discontinuities in accordance with ASTM A435, straight beam ultrasonic examination of steel plates, or ASTM A898, straight beam ultrasonic examination of rolled steel structural shapes, as applicable. Test zone to extend 6 inches above and below each beam flange connection. For plates, any discontinuity causing a total loss of back reflection not contained within a 3-inch diameter circle, or one-half thickness of the plate, whichever is greater, will be rejected. For rolled shapes, ASTM A898, Level I criteria apply. Testing will be performed on the material prior to fabrication, after fabrication, and after the final welding of the beam.
      f. k-Area welds shall be MT'd no sooner than 48 hours after completion of the weld.
      g. Amperage, voltage, polarity and electrode stick out will be verified for compliance with the electrode manufacturer's recommendations.

4. Special Inspection: Per DSA-103 and Chapter 17A of CBC.

GENERAL

1. Authority Having Jurisdiction (AHJ): Division of the State Architect (DSA SS)
   Applicable Building Code 2022 California Building Code (CBC) as modified by AHJ. References to industry standards herein shall be the latest edition as adopted by the Applicable Code.

2. Field Verification: Field verify the existing conditions and dimensions prior to construction. Promptly notify the Architect (Structural Engineer) in case of discrepancies.

3. Design Intent: Contract Documents indicate the design intent for the structure in its completed state. They do not indicate the method of construction. Promptly notify the Architect (Structural Engineer) prior to proceeding with the Work if the design intent requires further clarification.

4. Deviations, Modifications and Substitutions to Approved Structural Drawings: Must be accepted in writing by the Architect (Structural Engineer) and approved by AHJ. No deviation, modification or substitution will be accepted via shop drawing review.

5. Procedures of Construction: The contractor is responsible for procedures of construction that comply with national, state and local safety ordinances. Site visits (including Structural Observation) by the Architect (Structural Engineer) do not constitute supervision of the methods of construction.
   A. Protection of Utilities: Locate existing utilities, including those not shown on Contract Documents, and protect them from damage. The contractor bears the expense of repair or replacement of utilities in conjunction with the execution of Work.
   B. Excavations: Protect structure, adjacent structures, adjacent properties, streets, and utilities during excavation utilizing lagging, shoring, underpinning and related procedures as may be required. Provide necessary support for soil at the sides of excavations. The contractor and affected trades shall refer to the Geotechnical Report for more information.
   C. Protection of Structure: Provide necessary measures to protect the structure and adjacent buildings during the execution of Work.
   D. Contractor Proposed Revisions: Where a revision of structural design or connection is proposed by the Contractor to accommodate construction tolerances, construction sequence and/or dimension modifications, the Contractor shall retain a structural engineer licensed in the State having jurisdiction to perform design. Submit stamped and signed design drawings and calculations to the Architect (Structural Engineer) for review and to the AHJ for approval.
   E. Erection Plans: Determine phases of Work requiring erection plans according to applicable safety regulations. Maintain certified copies of erection plans at the site during construction.
   F. Shoring, Bracing, and Other Temporary Supports: Design and erect shoring, bracing, and other temporary supports where the structure has not attained design strength and as required for safe erection. Ensure floor, roof, and wall members are securely shored and braced during construction. Provide shoring at elevated beams and slabs supporting concrete or masonry walls during and after the wall pour until the wall attains design strength.
   G. Temporary Loading: Ensure construction loads do not exceed indicated design live load values. Notify affected sub-contractor trades of these design load limits.
   H. Fabrication, Shipment, and Erection of Structural Steel: Ensure stresses occurring during fabrication, shipment, and erection of structural steel are temporary and are less than the design and allowable stress capacities of individual members. Do not impair the full design and load-carrying capacity of members due to fabrication, shipment, or erection. The contractor is responsible for controlling the erection sequence, erection procedure, temperature differentials and weld shrinkage to minimize residue stresses. Provide additional materials for the erection of structural steel, such as temporary bracing and guy cables, as may be necessary at no additional cost. Remove these materials unless approved in writing by the Owner. Do not tighten bolts in typical beam to column connections for erection purposes.
   I. Securing Reinforcing Steel, Dowels, Anchor Bolts and Embeds: Firmly support and accurately place complying with ACI standards prior to casting concrete or grout in masonry walls. Use ties and support bars in addition to reinforcing steel shown where necessary. No welding of reinforcing steel, including tack welding, is permitted unless otherwise accepted in writing by the Architect (Structural Engineer). Provide plastic or plastic-coated chairs and spacers when resting on exposed surfaces.
   J. Coordination Responsibility: The Contractor is responsible for the coordination of Work, including that of sub-contractor trades.
   K. Core drilling of hardened concrete or masonry shall only be done after a specific review by the Architect (Structural Engineer). Core drilling shall not cut any reinforcing. Coverage for reinforcement, as described in these notes, shall be maintained at the locations of cores. Locate reinforcing by non-destructive methods as required.

6. Request for Information (RFI)/Request for Clarification (RFC): Accompany RFI/RFC's with partial structural foundation or framing plans showing the location in question and affected structural members. Copy partial plan from structural drawings and indicate grid line locations and floor level. Provide properly drawn engineering sketches illustrating issues and the Contractor's proposed solutions. Photographs are not acceptable substitutes for engineering sketches.

7. Submittals: Submit to the Architect (Structural Engineer) as indicated on structural drawings and specifications. The General Contractor shall review the submittal for completeness and compliance with Contract Documents prior to submission.
   A. Composite Slab Penetration Submittal: Submit to the Architect (Structural Engineer) for each floor indicating the size and location of each slab penetration and opening as necessary by all affected trades. Submit penetration plans together with corresponding metal decking or reinforcing steel shop drawings. Submit a written statement from the Special Inspector that no additional penetrations or openings were added to those shown in the penetration submittal.
   B. Composite Concrete and Masonry Wall Penetration Submittal: Submit to the Architect (Structural Engineer) for each wall indicating the size and location of each wall penetration, embed assembly, and opening by all trades. Submit penetration elevations together with corresponding reinforcing steel shop drawings, including locations of control and expansion joints. Submit a written statement from the Special Inspector that no additional penetrations or openings were added to those shown in the penetration submittal.

8. Contract Documents Use: Review Contract Documents in their entirety before performing structural-related Work and before developing shop drawings. Bring discrepancies to the immediate attention of the Architect (Structural Engineer) before starting Work.
   A. Scaling of Drawings: Not permitted.
   B. Additional Structural Requirements: See specifications.
   C. Building Geometry: See architectural drawings for building geometry including, but not limited to, top of floor and roof elevations; depressions; slopes; curbs; drains; trenches; slab and deck edge locations; wall overall dimensions; and size and locations of openings in floors, roof, and walls.
   D. Non-structural Items Requiring Special Provisions: See architectural, mechanical, plumbing, and electrical drawings for non-structural items requiring special provisions during construction. They include but are not limited to, non-structural walls; size and locations of openings and sleeves penetrating structure; size and location of concrete curbs and pads; and size and location of piping, ductwork, and equipment anchorages mounted or suspended from the structure. Verify the exact size and location of equipment with the equipment manufacturer.
      A. Work shown is new unless noted as existing thus, (E).
   E. Materials: Furnish and install in compliance with legally constituted public authorities having jurisdiction, including county and local ordinances and safety orders of the State Industrial Accident Commission, OHSA. The Architect (Structural Engineer) and Owner accept no responsibility for the contractor's failure to comply with these requirements.
   F. Penetrations, Embedments, and Openings in Structural Members: No penetration, embedment, opening, sleeve, pipe, or conduit shall occur in structural members, including footings, slabs, walls, columns, and beams unless specifically shown or indicated on structural drawings.
   G. Typical Details: Details on sheets indicated as typical are applicable throughout the Project wherever the described condition occurs and may or may not be specifically referenced on structural drawings. The contractor is responsible for identifying these details and understanding the extent of their application prior to performing Work. Details not shown or noted shall be similar to those shown for similar construction. The contractor shall submit RFI's for details such as this to the Architect (Structural Engineer) prior to proceeding with work.

9. Evaluation Report:
   A. References to Evaluation Reports for proprietary materials herein shall be the latest edition as adopted by Authority Having Jurisdiction (AHJ).
   B. For proprietary structural elements and products, the product is to hold an Evaluation Report in compliance with the applicable code for the product's intended use.
   C. Approved Evaluation Report Agencies:
      a. ICC (ICC-ES)
      b. IAPMO (IAPMO-ES)
      c. HCAI (OPM / OSP / OPD)
      d. City Of Los Angeles (COLA/RR)
      e. Miami-Dade (NOA)
      f. Other Agencies as noted in DSA IR A-5.

EARTHWORK and FOUNDATIONS

1. Geotechnical Report: Perform soil work complying with foundation design based on recommendations in report log no. / report number 25-3846; prepared by Koury Engineering & Testing, Inc.; dated January 22, 2026 and subsequent addenda letters. Maintain a copy of the report and all addenda on the site.

2. Grading, Excavations, Backfill and Compaction of Backfill: Comply with the Geotechnical Report and requirements of the Governing Code Authority and perform only under the Continuous Special Inspection of the geotechnical engineer. Building pads shall be over-excavated as recommended in the Geotechnical Report. If soft pockets are discovered during over-excavation, additional over-excavation will be required as directed by the Geotechnical Engineer.

3. Foundation Excavations: Footing foundations are to bear on approved compacted fill as indicated in the Geotechnical Report. Excavations are to be inspected by the geotechnical engineer prior to the placement of reinforcing steel and formwork. Ensure excavations are clean, dry and free of debris or loose soil. Slope sides of excavation not less than minimum slope indicated in Geotechnical Report. Cast concrete directly against excavated surfaces as soon as possible. Do not allow water in beam trenches or footing excavations after final compaction and before concrete placement.

4. Allowable Site Footing/Piles Foundation Design Values per Geotechnical Report.
   A. Bearing Capacity: 1500 psf, for min. 1'-0" wide minor shallow foundations with 1'-3" min. embedment. Values may be increased by 20% for transient loading.
   B. Passive Lateral Bearing Pressure: 200 psf/ft. Values may be increased by 20% for transient loading.
   C. Coefficient of Friction: 0.3.
   D. Combined Lateral Resistance : The frictional resistance and the passive resistance of the soil may be combined provided that the passive resistance is reduced by one third.

5. Backfilling of Retaining Walls: Place after completion and inspection of waterproofing. Adequately shore retaining walls during backfill operation. Unless adequately shored, do not place backfill behind building structure retaining walls until concrete at elevated floor levels adjacent to walls is completely poured and has cured for at least 7 days at site walls; concrete shall reach full design strength prior to backfilling unless adequately shored.

6. Retaining Wall Design Values:
   A. Bearing Capacity: 2000 psf. Values may be increased by one third for wind and seismic loading.
   B. Active earth pressure: 40 pcf (triangular) At Level Backfill
   C. At-rest earth pressure: 63 pcf (triangular) At Level Backfill
   D. Passive Lateral Bearing Pressure: 200 psf/ft. Values may be increased by 1/3 for transient loading.
   E. Coefficient of Friction: 0.3.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125900 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/18/2026

LPA

ARCHITECTURE ENGINEERING INTERIOR DESIGN
LANDSCAPE ARCHITECTURE PLANNING

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STRUCTURAL

ALTADENA ELEMENTARY SCHOOL

743 E. CALAVERAS ST,
ALTADENA CA 91001

Developed for
PASADENA UNIFIED SCHOOL DISTRICT

Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/08/2025
DSA SUBMITTAL V2	03/13/2026

Job Number	33366
Checked By	DW
Scale	12" = 1'-0"

GENERAL NOTES

ABBREVIATIONS

&	AND
@	AT
Ø	DIAMETER
>	GREATER THAN
≥	GREATER THAN OR EQUAL TO
<	LESS THAN
≤	LESS THAN OR EQUAL TO
#	"POUNDS, NUMBER"
AB	ANCHOR BOLT(S)
ABV	ABOVE
ADDL	ADDITIONAL
ADJ	ADJACENT
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
AOR	ARCHITECT OF RECORD
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
ASD	ALLOWABLE STRESS DESIGN
(B)	BOTTOM
BF	BRACED FRAME
BFF	BELOW FINISHED FLOOR
BLDG	BUILDING
BLKG	BLOCKING
BLW	BELOW
BM	BEAM
BN	BOUNDARY NAILING
BO	BOTTOM OF
BOD	BOTTOM OF DECK
BOF	BOTTOM OF FOOTING
BOPC	BOTTOM OF PILE CAP
BOS	BOTTOM OF STEEL
BOSL	BOTTOM OF SLAB
BOT	BOTTOM
BP	BASE PLATE
BRB	BUCKLING RESTRAINED BRACE
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BTWN	BETWEEN
BU	BUILT-UP
C	CAMBER
CA	COLUMN ABOVE
CANT	CANTILEVER
CB	COLUMN BELOW
CGS	CENTER OF GRAVITY OF PRESTRESSING STRAND
CIP	CAST-IN-PLACE
CIV	CIVIL
CJ	CONSTRUCTION/CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CLT	CROSS LAMINATED TIMBER
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION/CONNECT
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
COV	COVER
CTR	CENTER
CVN	Charpy V-Notch
d	Penny - Nail size
db	"REBAR, WIRE, or PRESTRESSSING STRAND DIAMETER"
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DCW	DEMAND CRITICAL WELD
DEMO	DEMOLITION/DEMOLISH
DET	DETAIL
DF	Douglas Fir
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	Down
DO	DITTO
DWG	DRAWING
DWL	DOWEL
(E)	EXISTING
EA	EACH
EBF	ECCENTRICALLY BRACED FRAME
EDP	ENVIRONMENTAL PRODUCT DECLARATION
EF	EACH FACE
EFF	EFFECTIVE
EGRS	Elevator Guide Rail Support
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMBED	"EMBEDMENT, EMBEDDED"
EN	EDGE NAILING
ENGR	ENGINEER
EOR	ENGINEER OF RECORD
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ER	EVALUATION REPORT
ESR	EVALUATION SERVICE REPORT
ETC	ET CETERA
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
FAB	FABRICATE
fc	28-DAY (UNO) COMPRESSIVE STRENGTH OF CONCRETE
FDN	FOUNDATION
FF	Finished Floor
FG	FINISHED GRADE
FIN	FINISH(ED)
FLR	FLOOR
fm	28-DAY (UNO) COMPRESSIVE STRENGTH OF MASONRY
FN	FIELD NAILING
FRP	FIBER-REINFORCED POLYMER
FS	FAR SIDE / FINISHED SURFACE
FT	"FOOT, FEET"
FTG	FOOTING
FUT	FUTURE
Fy	YIELD STRENGTH
GA	"GAGE, GAUGE"
GALV	GALVANIZE(D)
GC	GENERAL CONTRACTOR
GEN	GENERAL
GWP	GLOBAL WARMING POTENTIAL
GLB	GLUED-LAMINATED BEAM
GR	GRADE
HD	HOLDDOWN
HDR	HEADER
HGR	HANGER
HORIZ	HORIZONTAL
HS	HIGH STRENGTH
HSA	HEADED STUD ANCHOR
HSB	HIGH STRENGTH BOLT
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
IAPMO	INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS
ICC	INTERNATIONAL CODE COUNCIL
ID	INSIDE DIAMETER
IN	INCH
INFO	INFORMATION
INT	INTERIOR
IOR	INSPECTOR OF RECORD
JST	JOIST
JT	JOINT
K	KIPS (1000 LBS)
KLF	KIPS PER LINEAR FOOT
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	ANGLE
LAND	LANDSCAPE
LBS	POUNDS
LCA	LIFE CYCLE ASSESSMENT
Ld	DEVELOPMENT LENGTH of straight rebar
Ldh	DEVELOPMENT LENGTH for hooked rebar
Ldt	DEVELOPMENT LENGTH for headed rebar
LL	DOUBLE ANGLE
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LOR	LAB OF RECORD
LRFD	LOAD AND RESISTANCE FACTOR DESIGN
Ls	SPLICE LENGTH of straight rebars
LSH	LONG SIDE HORIZONTAL
LSL	LONG-SLOTTED HOLE
LSV	LONG SIDE VERTICAL
LT GA	LIGHT GAUGE
LVL	LAMINATED VENEER LUMBER
LWC	LIGHTWEIGHT CONCRETE
MAX	MAXIMUM
MECH	MECHANICAL
MEP	"MECH, ELECT, & PLUMB"
MEZZ	MEZZANINE
MF	MOMENT FRAME
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
(N)	NEW
NF	NEAR FACE
NIC	NOT IN CONTRACT
NO.	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
NWC	NORMALWEIGHT CONCRETE
O/C	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OVS	OVERSIZED HOLE
PAF	POWDER/POWER ACTUATED FASTENER
PAR	PARALLEL
PC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PCY	POUNDS PER CUBIC YARD
PERF	PERFORATED
PERP	PERPENDICULAR
PI	PROJECT INSPECTOR
PJ	PANEL JOINT
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PLF	POUNDS PER LINEAR FOOT
PLUMB	PLUMBING
PQR	PROCEDURE QUALIFICATION RECORD
PRELIM	PRELIMINARY
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL STRAND LUMBER
PT	PRESSURE TREATED OR POST-TENSION(ED)
PWD	PLYWOOD
QTY	QUANTITY
RAD	RADIUS
RBS	REDUCED BEAM SECTION
REF	REFERENCE
REINF	REINFORCEMENT
REQ'D	REQUIRED
REV	REVISION
RO	ROUGH OPENING
RR	ROOF RAFTER
RTU	ROOF TOP UNIT
SC	SLIP CRITICAL OR SAW CUT
SCBF	SPECIAL CONCENTRICALLY BRACED FRAME
SCHED	SCHEDULE(D)
SDS	SELF-DRILLING SCREW
SECT	SECTION
SEOR	STRUCTURAL ENGINEER OF RECORD
SEP	SEPARATION
SFRS	SEISMIC FORCE RESISTING SYSTEM
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SLBB	SHORT LEG BACK TO BACK
SMRF	SPECIAL MOMENT RESISTING FRAME
SMS	SHEET METAL SCREW
SOG	SLAB-ON-GRADE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
SS	STAINLESS STEEL
SSL	SHORT-SLOTTED HOLE
STAGG	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	"STRUCTURE, STRUCTURAL"
SUSP	SUSPENDED
SW	SHEAR WALL
SYM	"SYMMETRIC, SYMMETRICAL"
(T)	TOP
(T&B)	TOP AND BOTTOM
T.O.	TOP OF
THK	THICK
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING / FOUNDATION
TOM	TOP OF MASONRY
TOPC	TOP OF PILE CAP
TOS	TOP OF STEEL
TOSL	TOP OF SLAB
TOW	TOP OF WALL
TRANS	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UT	ULTRASONIC TESTING
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
W/C	WATER-CEMENT RATIO
W/O	WITHOUT
"WF, W"	WIDE FLANGE
WP	WORK POINT
WPS	WELD PROCEDURE SPECIFICATIONS
WT	"WEIGHT" OR "T" SECTION CUT FROM WIDE FLANGED BEAM"
WWF	WELDED WIRE FABRIC
XS	EXTRA STRONG
XXS	DOUBLE EXTRA STRONG

PROPRIETARY ANCHORAGES and FASTENERS

1. Anchorages:
   1. Drill and Epoxy Anchors:
      a. At Concrete: Hilti HIT-RE 500 V3 adhesive anchor system complying with ICC-ES Evaluation Report ESR-3814.
      b. At Masonry: Hilti HIT-HY 270 adhesive anchor system complying with ICC-ES Evaluation Report ESR-4143.
      c. Provide anchor type, size and embedment as indicated in details.
      d. Overhead applications must be installed using the Hilti HIT-SZ piston plug system.
   2. Mechanical (Expansion) Anchors:
      a. At Concrete: Hilti KB-TZ2 carbon steel expansion anchor complying with ICC-ES Evaluation Report ESR-4266.
      b. At Masonry: Hilti KB-TZ2 carbon steel expansion anchor complying with ICC-ES Evaluation Report ESR-4561.
      c. Where mechanical anchor is exposed to weather, provide stainless steel anchor conforming to the Evaluation Report in lieu of carbon steel.
   3. Welded Shear Studs: Nelson S3L flux filled, headed stud anchors, 65,000 psi minimum ultimate tensile strength conforming to ASTM A29, automatically end welded in the field and complying with ICC-ES Evaluation Report ESR-2856.
   4. Welded Deformed Anchors: Nelson D2L, cold rolled, deformed steel reinforcing bars conforming to ASTM A1064 and complying with ICC-ES Evaluation Report ESR-2907.

2. Fasteners:
   A. Power/Powder Actuated Fasteners (Indicated "Shot Pins" or "PAF" on Drawings): Hilti Low-velocity Power Actuated Drive, 0.157" diameter (X-U), complying with ICC-ES Report ESR-2269. Provide an appropriate washer between the fastener head and light gauge metal or wood surface. Shot pins shall not be used @ PT slab or beams.
   B. Self-Drilling Metal Screws (Indicated "Screws" or "SMS" on Drawings): Hilti Self-Drilling Screw complying with current ICC-ES Evaluation Report ESR-2196.
   C. Concrete Screws: Hilti KH-EZ carbon steel screw anchor complying with ICC ES Evaluation Report ESR-3027.
   D. Masonry Screws: Hilti KH-EZ carbon steel screw anchor complying with ICC ES Evaluation Report ESR-3056.
   E. Self-Drilling wood Screw: At steel-to-wood connections (Indicated "SDS" on drawings): Simpson SDS screw complying with ICC-ES ESR 2236. At wood-to-wood connections (Indicated "SDWS" on drawings): Simpson SDWS screw complying with IAPMO-UES ER 192.
   F. Lag Screw: Lag Screw complying with ANSI / ASME B18.2.1
   G. Where fasteners are exposed to weather, provide stainless steel fasteners conforming to the Evaluation Report in lieu of carbon steel.

3. Installation: Follow all manufacturer's written instructions and the referenced ICC-ES evaluation report. The contractor shall arrange for an anchor manufacturer's representative to provide onsite installation training for all anchor products specified.
   A. Prior to drilling holes for post-installed anchors, the contractor shall locate existing rebar, prestressing tendons, post-tensioning tendons, and embedded utilities using non-hazardous, non-destructive methods with accurate location tolerances (plus or minus 1/4-inch). Do not cut, hit, or otherwise damage existing rebar or tendons during anchor installation.
   B. Drilling Holes in Existing Concrete or Masonry for Anchorages: Use non-pneumatic, rotary hammer tools with ANSI-compliant non-rebar cutting drill bits to drill holes of proper tolerances. Locate existing rebar, including prestressing and post-tensioning tendons, using non-hazardous, (destructive methods with accurate location tolerances (plus or minus 1/4-inch) prior to drilling holes to avoid cutting or damaging rebar. Holes shall be thoroughly cleaned per the manufacturer's written recommendations prior to the installation of anchorages.
   C. Deleterious Materials: Keep anchorages, including holes for drill and epoxy anchors and mechanical anchors, free of dust, grease, and other materials that impair bond.
   D. The use of a diamond core bit with a roughening tool for anchor holes requires approval from the Engineer of Record prior to drilling. Unless otherwise shown in the drawings, all holes shall be drilled perpendicular to the concrete surface.
   E. Embedment Depths:
      a. Mechanical Anchors: Embedment depths noted in drawings are the effective minimum embedment UNO. Refer to the applicable evaluation report for the corresponding minimum hole depth and nominal embedment.
      b. Screw Anchors: Embedment depths noted in drawings are the nominal minimum embedment UNO. Refer to the applicable evaluation report for the corresponding minimum hole depth.
   F. Anchor installer certification is required for all installers of drill and epoxy anchors in a horizontal or upwardly inclined orientation. Installer qualification must be provided to the inspector prior to installation.
   G. Installation Torques for Expansion Anchors shall be as noted:

Nominal Anchor Diameter	Expansion Anchor Installation Torque (ft-lb)			
	Into Concrete		Into Masonry	
	KB-TZ2 Carbon Steel	KB-TZ2 Stainless Steel	KB-TZ2 Carbon Steel	KB-TZ2 Stainless Steel
1/4"	4	6	4	6
3/8"	30	30	15	15
1/2"	50	40	25	15
5/8"	40	60	30	35
3/4"	110	125	50	50

   H. Installation Torques for Screw Anchors shall be as noted:

Nominal Anchor Diameter	Screw Anchor Installation Torque (ft-lb)					
	Into Concrete				Into Masonry	
	Hilti KH-EZ Hex	Hilti KH-EZ C	Hilti KH-EZ CRC	Hilti KH-EZ E & KH-EZ I	Hilti KH-EZ (Hex, P, PM, PL & C)	Hilti KH-EZ CRC
1/4"	18		N/A	18	21	N/A
3/8"	40 (19 @ h_{min} <2.5")		40	40	22	20
1/2"	45	N/A	45	N/A	34	25
5/8"	85	N/A	85	N/A	38	35
3/4"	95	N/A	85	N/A	70	45

Note: 1/4" dia. Hilti KH-EZ P, PM & PL in concrete shall have installation torque of 18 ft-lb.

4. Testing:
   A. See DSA-103 Testing and Inspections.
   B. Installation in Concrete:
      a. Provide testing of post-installed anchors in concrete per CBC 2022 1910A.5.
   C. Installation in Masonry:
      a. Provide testing of post-installed anchors in masonry per CBC 2022 1910A.5 as required by section 1705A.4.

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DANIEL S. MANN — No. S-4453 — Exp. 12/31/26 — STRUCTURAL — STATE OF CALIFORNIA

ALTADENA ELEMENTARY SCHOOL

743 E. CALAVERAS ST.,
ALTADENA CA 91001

Developed for
PASADENA UNIFIED SCHOOL DISTRICT

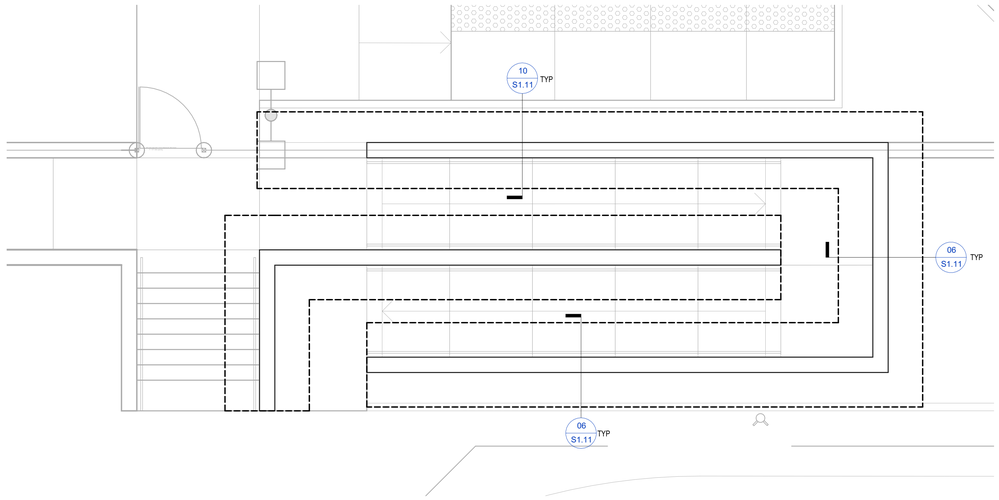
Revision	Date

Submittal	Date
100% SCHEMATIC DESIGN	12/08/2025
DSA SUBMITTAL V2	03/13/2026

Job Number	33366
Checked By	DW
Scale	12" = 1'-0"

GENERAL NOTES

S0.02



FOUNDATION PLAN 1/4" = 1'-0" 01

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FOUNDATION PLAN

S1.01

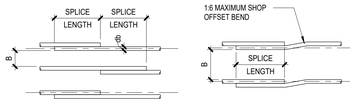


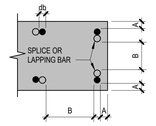
DIAGRAM AT STAGGERED SPLICES

DIAGRAM AT NON-STAGGERED SPLICES

NOTES:
1. ALL SPLICES SHALL BE CLASS B SPLICES UNLESS INDICATED OTHERWISE. DEVELOPMENT Ld TO BE USED WHERE SPECIFICALLY INDICATED.
2. SCHEDULE APPLIES TO UNCOATED GRADE 60 BARS IN NORMAL WEIGHT CONC
3. TOP BARS (INDICATED "T" IN SCHEDULE) ARE HORIZ BARS WITH MORE THAN 12" OF CONC CAST BELOW THE BARS.
4. BOTTOM BARS (INDICATED "B" IN SCHEDULE) ARE ALL VERT BARS AND HORIZ BARS WITH LESS THAN 12" OF CONC CAST BELOW HORIZ BARS.
5. FOR LIGHTWEIGHT CONC MULTIPLY LENGTHS IN SCHEDULE BY 1.33.
6. AT SPLICE BETWEEN BARS OF VARYING SIZE, PROVIDE LAP SPLICE CORRESPONDING TO LARGER OF 'Ls' OF SMALLER BAR and 'Ld' OF LARGER BAR.
7. LENGTHS SHOWN IN SCHEDULE APPLY TO UNCOATED GRADE 60 BARS MULTIPLY THE SPECIFIED LENGTH BY 1.33 FOR GRADE 80 BARS.

TENSION LAP SPLICE "Ls" SCHEDULE

CATEGORY	NORMAL WEIGHT CONCRETE f'c PSI	SPLICE LENGTH (INCHES) 0.375		0.500		0.625		0.750		0.875		1.000		1.128		1.270		1.410	
		#3		#4		#5		#6		#7		#8		#9		#10		#11	
		T	B	T	B	T	B	T	B	T	B	T	B	T	B	T	B	T	B
I	3000	28	22	37	29	47	36	56	43	81	63	93	72	105	81	118	91	131	101
	4000	24	19	32	25	40	31	48	37	70	54	80	62	91	70	102	79	113	87
	5000	22	17	29	22	36	28	43	33	63	49	72	55	81	63	91	70	101	78
II	3000	42	32	56	43	70	54	84	64	122	94	139	107	157	121	177	136	196	151
	4000	36	28	48	37	60	47	72	56	106	81	121	93	136	105	153	118	170	131
	5000	33	25	43	33	54	42	65	50	94	73	108	83	122	94	137	105	152	117



BAR SPACING DIAGRAM

LEGEND:
A. CLEAR EDGE DISTANCE
B. CLEAR SPACING OF SPLICED OR LAPPED BARS (SEE GEN NOTE 'E.8' FOR MIN CLEAR SPACING)
db = BAR ø

SCHEDULE FOR DETERMINING CATEGORY

I	II
1. A>db and B>2db 2. A>db and B>db and TIES THROUGHOUT Ld	OTHER CASES

DEVELOPMENT "Ld" SCHEDULE

CATEGORY	NORMAL WEIGHT CONCRETE f'c PSI	DEVELOPMENT LENGTH (INCHES) 0.375		0.500		0.625		0.750		0.875		1.000		1.128		1.270		1.410	
		#3		#4		#5		#6		#7		#8		#9		#10		#11	
		T	B	T	B	T	B	T	B	T	B	T	B	T	B	T	B	T	B
I	3000	22	17	29	22	36	28	43	33	63	48	72	55	81	62	91	70	101	78
	4000	19	15	25	19	31	24	37	29	54	42	62	48	70	54	79	61	87	67
	5000	17	13	22	17	28	22	33	26	49	37	55	43	63	48	70	54	78	60
II	3000	32	25	43	33	54	41	64	50	94	72	107	82	121	93	136	105	151	116
	4000	28	22	37	29	47	36	56	43	81	63	93	71	105	81	118	91	131	101
	5000	25	19	33	26	42	32	50	38	73	56	83	64	94	72	105	81	117	90

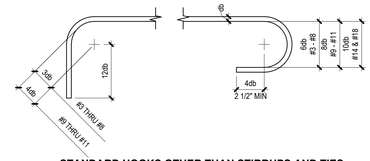
TYPICAL REBAR TENSION SPLICE and BAR DEVELOPMENT SCHEDULE (IN CONCRETE) N.T.S. 04

RETAINING WALL SCHED

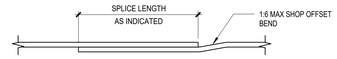
MAX "H1"	FTG WIDTH "W"	STEM REINF EACH FACE
3'-11"	5'-0"	#6 @ 12" O/C

RETAINING WALL SCHED

MAX "H1"	FTG WIDTH "W"	PARAPET "P"	STEM REINF EACH FACE
2'-0"	4'-6"	3'-0"	#6 @ 12" O/C
5'-0"	5'-6"	0'-6"	#6 @ 12" O/C



STANDARD HOOKS OTHER THAN STIRRUPS AND TIES

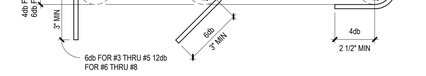


MAXIMUM OFFSET AT SPLICES

BAR DIAMETER DISTANCES

BAR DIA	BAR SIZE #3	#4	#5	#6	#7	#8	#9	#10	#11
3db	1 1/8"	1 1/2"	1 7/8"	2 1/4"	2 5/8"	3"	-	-	-
4db	1 1/2"*	2"*	2 1/2"	3"	3 1/2"	4"	4 1/2"	5"	5 1/2"
6db	2 1/4"*	3"	3 3/4"	4 1/2"	5 1/4"	6"	-	-	-
8db	-	-	-	-	-	-	9"	10"	11"
12db	4 1/2"	6"	7 1/2"	9"	10 1/2"	12"	13 1/2"	15"	16 1/2"

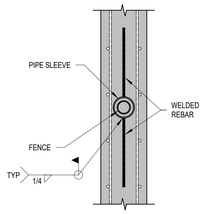
* INDICATES MINIMUM DIMENSIONS MAY GOVERN



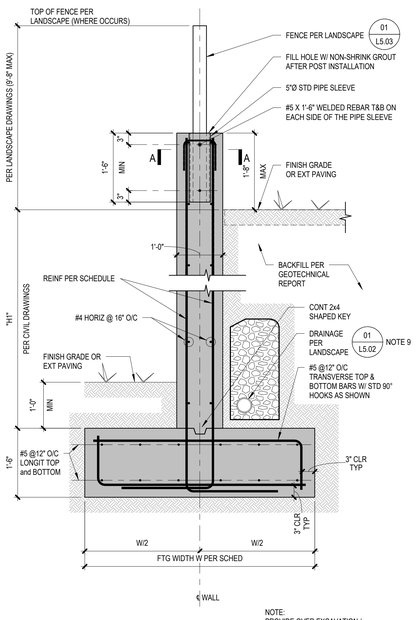
STANDARD HOOKS FOR STIRRUPS AND TIES

NOTE:
HOOKS OF TWO SUCCESSIVE STIRRUPS OR TIES ENGAGING SAME LONGITUDINAL BAR SHALL BE ALTERNATED END FOR END

TYP REINFORCING STEEL HOOKS, BENDS and OFFSETS AT SPLICES N.T.S. 03



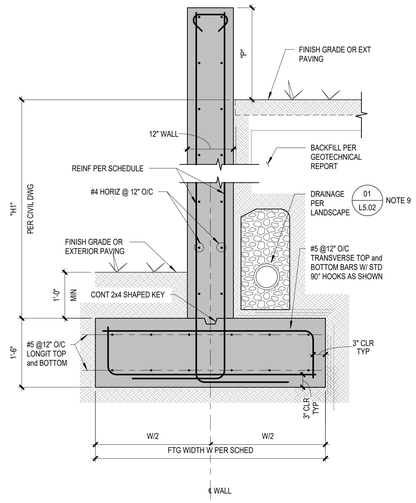
PLAN VIEW A-A



TYPICAL SECTION

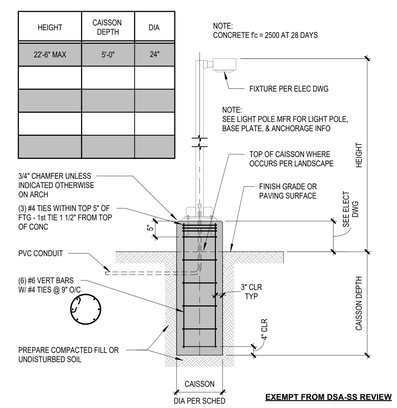
NOTE:
PROVIDE OVER EXCAVATION / SOIL PREP PER GEOTECH REQ'D

TYP CONC RETAINING WALL & SCHEDULE N.T.S. 10



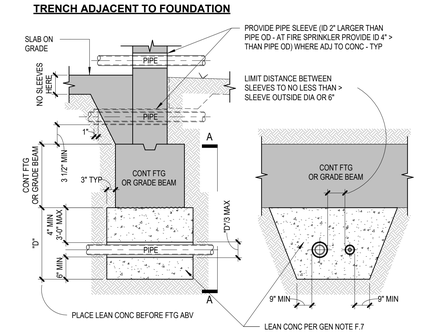
TYPICAL SECTION

TYP CONC RETAINING WALL & SCHED N.T.S. 06



EXEMPT FROM DSA-SS REVIEW

TYP SITE LIGHT POLE DETAIL N.T.S. 05



NOTES:
1. DO NOT PLACE SLEEVES OR CONDUIT IN ISOLATED SPREAD FOOTINGS - RUN AROUND OR BELOW THESE FTG.
2. SLEEVES ARE NOT TO PASS THROUGH CONT FTG OR GRADE BEAMS UNLESS SHOWN OTHERWISE - WHERE SLEEVES ARE PERMITTED, LOCATE WITHIN MIDDLE THIRD OF FTG OR GRADE BEAM DEPTH.

TRENCH ADJACENT TO FOUNDATION

PIPES THRU OR BELOW FOUNDATION **ELEVATION A-A**

TYP PIPES THRU OR TRENCHES ADJACENT TO FOUNDATIONS N.T.S. 01

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Scale	As indicated

SITE DETAILS

S1.11