GRADING GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED VERSION AND AMENDMENTS OF THE CALIFORNIA BUILDING CODE. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE APPLICABLE CITY/COUNTY STANDARDS AND CALTRANS STANDARD SPECIFICATIONS, LATEST ADOPTED EDITION AND AMENDMENTS. IN THE EVENT THAT THERE IS A CONFLICT BETWEEN CODES, THE CONTRACTOR WILL NOTIFY THE CIVIL ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. WORK SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING:
   - 1.1. CHAPTER 18 AND APPENDIX J OF THE 2022 CBC
   - 1.2. SAN LUIS OBISPO COUNTY TITLE 19 AND 23
   - 1.3. THE SOILS ENGINEERING REPORT BY GEOSOLUTIONS, INC. TITLED "SOILS ENGINEERING REPORT - MAIN STREET SKATE PARK - APN: 013-101-072, CAMBRIA AREA - SAN LUIS OBISPO COUNTY, CALIFORNIA" AND DATED AUGUST 17, 2021 (GEOSOLUTIONS PROJECT NO. SL12170-1).
   - 1.4. THE INFILTRATION TESTING REPORT BY GEOSOLUTIONS, INC. DATED AUGUST 17, 2021 (GEOSOLUTIONS PROJECT NO. SL12170-1).
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING AND DISPOSAL OF THE PROPOSED WORK AREA. THE CONTRACTOR SHALL DISPOSE OF ALL MATERIAL LEGALLY AND IS RESPONSIBLE FOR COMPLYING WITH LOCAL RECYCLING ORDINANCES.
3. NO FILL SHALL BE PLACED ON THE EXISTING GROUND SURFACE UNTIL THE GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL, DELETERIOUS MATERIAL AND SCARIFIED AND COMPACTED PER THE GEOTECHNICAL RECOMMENDATIONS.
4. CUT AND FILL SLOPES SHALL BE NO STEEPER THAN TWO FEET HORIZONTAL TO ONE FOOT VERTICAL, 2:1.
5. FILLS SHALL BE COMPACTED TO THE MINIMUM PERCENTAGE OF MAXIMUM DRY DENSITY AS SPECIFIED IN THE PROJECT SOILS REPORT AND CERTIFIED BY THE GEOTECHNICAL ENGINEER.
6. ALL EXISTING FILLS SHALL BE BE APPROVED BY THE GEOTECHNICAL ENGINEER BEFORE ANY ADDITIONAL FILLS ARE ADDED.
7. ALL EXPOSED SLOPES SHALL BE PLANTED PER THE PROJECT LANDSCAPE PLANS AND IRRIGATED UNTIL GROUND COVER IS ESTABLISHED.
8. THE STOCKPILING OF EXCESS MATERIAL IS SUBJECT TO THE APPROVAL OF THE AGENCY.
9. ALL TRENCH BACKFILLS SHALL BE TESTED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
10. ALL CUT SLOPES SHALL BE INVESTIGATED BY THE GEOTECHNICAL ENGINEER DURING GRADING TO DETERMINE IF ANY SLOPE STABILITY PROBLEMS EXIST. SHOULD EXCAVATION DISCLOSE ANY GEOTECHNICAL HAZARDS OR POTENTIAL GEOTECHNICAL HAZARDS THE GEOTECHNICAL ENGINEER SHALL RECOMMEND NECESSARY TREATMENT TO THE CONTRACTOR.
11. THE FINAL COMPACTION REPORT AND APPROVAL FROM THE GEOTECHNICAL ENGINEER SHALL CONTAIN DETAILS REGARDING THE TYPE OF FIELD TESTING PERFORMED INCLUDING THE METHOD OF OBTAINING THE IN-PLACE DENSITY, WHETHER SAND CONE, NUCLEAR GAUGE, OR DRIVE RING SHALL BE NOTED FOR EACH TEST. SUFFICIENT MAXIMUM DENSITY DETERMINATIONS SHALL BE PERFORMED TO VERIFY THE ACCURACY OF THE MAXIMUM DENSITY CURVES USED BY THE FIELD TECHNICIAN.
12. SANITARY FACILITIES SHALL BE MAINTAINED ON SITE THROUGHOUT THE DURATION OF CONSTRUCTION.
13. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF AND PROTECT ALL EXISTING UTILITIES AND TO ENSURE THAT SERVICE IS NOT DISRUPTED TO EXISTING FACILITIES.
14. ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION, ESPECIALLY DURING STORM CONDITIONS AND APPROVED PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT EXISTING STRUCTURES AND ADJACENT PROPERTIES DURING THE CONSTRUCTION PROJECT. IN ALL CASES, THE CONTRACTOR AND/OR OWNER SHALL BE HELD LIABLE FOR ANY DAMAGE DUE TO OBSTRUCTING EXISTING DRAINAGE PATTERNS.
15. ALL PLANTERS ADJACENT TO THE FOUNDATIONS SHALL BE SEALED ALONG THE SIDE OF THE FOUNDATION FOOTING AND EXTENDED UNDER THE PLANTER A MINIMUM OF 12" TO PREVENT MOISTURE FROM REACHING THE FOUNDATION SUB-GRADE SOILS.
16. EXPORTED MATERIAL SHALL BE TAKEN TO A LEGAL DUMP SITE OR PERMITTED RECEIVING SITE APPROVED BY THE LOCAL AGENCY HAVING JURISDICTION.
17. PERMISSION IS REQUIRED FROM THE ADJACENT PROPERTY OWNER WHENEVER WORK IS PROPOSED OR NECESSARY ACROSS THE PROJECT'S PROPERTY LINES.
18. ANY DIRT, ROCK, DEBRIS OR CONSTRUCTION MATERIAL THAT IS TRACKED OR DROPPED WITHIN THE PUBLIC RIGHT OF WAY DURING THE TRANSPORTATION OF THAT MATERIAL OR EQUIPMENT ASSOCIATED WITH THE PROJECT SHALL BE CLEANED OR REMOVED DAILY.
19. DIRT ACCESS RAMP OVER CURBS AND GUTTERS TO THE CONSTRUCTION SITE ARE PROHIBITED. WHEN NECESSARY FOR ENTRANCE TO SUCH CONSTRUCTION SITES, TEMPORARY ASPHALT RAMPS WITH A MINIMUM OF A 3" DIAMETER PIPE SHALL BE CONSTRUCTED TO CONVEY GUTTER DRAINAGE.
20. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND OBTAINING REQUIRED PERMITS FROM THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (OSHA).
21. PROPOSED REVISIONS TO THE GRADING PLAN SHALL BE DRAWN IN RED PENCIL ON BOND COPIES OF THE APPROVED PLANS. THESE COPIES SHALL BE SUBMITTED TO THE OWNER AND ENGINEER FOR APPROVAL. AFTER APPROVAL IS GIVEN, THE OWNER MAY REQUIRE AS-BUILT OF THE PLANS.
22. RULE 403. AIR QUALITY CONTROL MUST BE IMPLEMENTED DURING CONSTRUCTION:
   - 22.1. A PERSON SHALL NOT CAUSE OR ALLOW THE EMISSIONS OF FUGITIVE DUST FROM ANY TRANSPORT, HANDLING, CONSTRUCTION OR STORAGE ACTIVITY SO THAT THE PRESENCE OF SUCH DUST REMAINS VISIBLE IN THE ATMOSPHERE BEYOND THE PROPERTY LINE OF THE EMISSION SOURCE. (DOES NOT APPLY TO EMISSION EMANATING FROM UNPAVED ROADWAYS OPEN TO PUBLIC TRAVEL OR FARM ROADS. THIS EXCLUSION SHALL NOT APPLY TO INDUSTRIAL OR COMMERCIAL FACILITIES).
   - 22.2. A PERSON SHALL TAKE EVERY RESPONSIBLE PRECAUTION TO MINIMIZE FUGITIVE DUST EMISSIONS FROM WRECKING, EXCAVATION, GRADING, CLEARING OF LAND AND SOLID WASTE DISPOSAL OPERATIONS.
   - 22.3. A PERSON SHALL NOT CAUSE OR ALLOW PARTICULATE MATTER TO EXCEED 100 MICROGRAMS PER CUBIC METER WHEN DETERMINED AS THE DIFFERENCE BETWEEN UPWIND AND DOWNWIND SAMPLES COLLECTED ON HIGH VOLUME SAMPLERS AT THE PROPERTY LINE FOR A MINIMUM OF FIVE HOURS.
   - 22.4. A PERSON SHALL TAKE EVERY REASONABLE PRECAUTION TO PREVENT VISIBLE PARTICULATE MATTER FROM BEING DEPOSITED UPON PUBLIC ROADWAYS. PRECAUTIONS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE REMOVAL OF PARTICULATE MATTER FROM EQUIPMENT PRIOR TO THE MOVEMENT ON PAVED STREETS ONTO WHICH SUCH MATERIAL HAS BEEN DEPOSITED.
   - 22.5. SUBSECTIONS (22.1) AND (22.2) SHALL NOT BE APPLICABLE WHEN THE WIND SPEED INSTANTANEOUSLY EXCEEDS 40 KILOMETERS (25 MILES) PER HOUR, OR WHEN THE AVERAGE WIND SPEED IS GREATER THAN 25 KILOMETERS (15 MILES) PER HOUR. THE AVERAGE WIND SPEED DETERMINATIONS SHALL BE ON A 15 MINUTE AVERAGE AT THE NEAREST OFFICIAL AIR-MONITORING STATION OR BY A WIND INSTRUMENT LOCATED AND MONITORED ON SITE.
23. CONSTRUCTION ACTIVITIES SHALL OCCUR ONLY BETWEEN THE HOURS OF 7:00 AM AND 7:00 PM, MONDAY THROUGH FRIDAY AND BETWEEN THE HOURS OF 9:00 AM AND 6:00 PM SATURDAYS, UNLESS OTHERWISE AUTHORIZED BY THE OWNER AND AGENCY.
24. CONTRACTOR SHALL USE LOW EMISSION MOBILE CONSTRUCTION EQUIPMENT DURING ALL SITE PREPARATION, GRADING AND CONSTRUCTION ACTIVITIES, WHERE FEASIBLE.
25. CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION ENGINES TUNED CONSISTENT WITH MANUFACTURER'S SPECIFICATIONS DURING ALL SITE PREPARATION, GRADING AND CONSTRUCTION ACTIVITIES.
26. CONTRACTOR SHALL USE LOW SULFUR FUEL FOR STATIONARY CONSTRUCTION EQUIPMENT AS REQUIRED BY AQMD RULE 431.1 AND 431.2 AND SHALL USE EXISTING POWER SOURCES AND CLEAN FUEL GENERATORS WHEN POSSIBLE AS FEASIBLE DURING ALL SITE PREPARATION, GRADING AND CONSTRUCTION ACTIVITIES.
27. CONSTRUCTION PARKING SHALL BE ONSITE. TRAFFIC CONTROL AND ACCESS SHALL BE IN ACCORDANCE WITH THE AGENCY HAVING JURISDICTION OVER THE PROJECT.
28. THE SPEED OF CONSTRUCTION VEHICLES ON-SITE SHALL BE LIMITED TO 15 MILES PER HOUR.
29. TRUCKS AND LARGE CONSTRUCTION VEHICLES SHALL OBTAIN APPROVED ROUTES FROM THE AGENCY'S PUBLIC WORKS DEPARTMENT.
30. THE CONTRACTOR SHALL CONTROL DUST IN AREAS USED FOR OFF-PAVEMENT PARKING, MATERIAL LAYDOWN AREAS OR THOSE AREAS AWAITING FUTURE CONSTRUCTION. FREQUENTLY ACCESSED AREAS SHALL BE PAVED OR BASED AS EARLY AS POSSIBLE TO MINIMIZE DIRT TRACKING ONTO THE PUBLIC RIGHT OF WAY.
31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING MEASURE:
   - 31.1. CESSATION OF ACTIVITIES DURING A STAGE-2 SMOG EPISODE. CALL 800-242-4022 FOR THE DAILY SMOG FORECAST.
   - 31.2. TRUCK ROUTES AND SCHEDULES FOR THE RECEIPT OF MATERIALS SHALL BE COORDINATED WITH THE APPROPRIATE AGENCIES.
   - 31.3. WHERE FEASIBLE, ON-ROAD AND OFF-ROAD VEHICLES AND EQUIPMENT SHALL BE TURNED OFF AND SUBSEQUENTLY RESTARTED IF THE ANTICIPATED DURATION OF IDLING IS EXPECTED TO EXCEED FIVE MINUTES.
32. THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING HIGH WIND DUST CONTROL MEASURE WHEN INSTANTANEOUS WIND SPEEDS EXCEED 25 MILES PER HOUR:
   - 32.1. TERMINATION / MODIFICATION OF SCRAPERS, GRADERS OR DOZERS ON UNPAVED SURFACES UNTIL WINDS SUBSIDE.
   - 32.2. APPLICATION OF WATER AS NEEDED TO ANY UNPAVED SURFACE WITH VEHICLE OR EQUIPMENT OPERATIONS.
   - 32.3. APPLICATION OF WATER OR OTHER DUST CONTROL MATERIAL TO ANY PREVIOUSLY GRADED SURFACE IF DUST EMANATION IS VISIBLE FROM SUCH A SURFACE.
33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EQUIPMENT TO PREVENT VISIBLE SOOT FROM REDUCING LIGHT TRANSMISSION THROUGH THE EXHAUST STACK BY MORE THAN 20 PERCENT FOR MORE THAN THREE MINUTES PER HOUR AND USE LOW SULFUR FUEL AS REQUIRED BY THE APPROPRIATE AGENCY.
34. TRUCKS USED IN HAULING DIRT TO OR FROM THE SITE ON PUBLIC ROADS WILL BE COVERED OR WILL MAINTAIN A SIX INCH DIFFERENTIAL BETWEEN THE MAXIMUM HEIGHT OF ANY MATERIAL HAULED AND THE TOP OF THE TRAILER. HAUL TRUCK DRIVERS WILL LOAD PRIOR TO LEAVING THE SITE TO PREVENT SOIL LOSS DURING TRANSPORTATION.
35. PURSUANT TO SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE, EXISTING SURVEY MONUMENTS SHALL BE NOTED AND DOCUMENTED BEFORE CONSTRUCTION. IF ANY MONUMENTS ARE DISTURBED DURING CONSTRUCTION THE CONTRACTOR SHALL PAY A LICENSED LAND SURVEYOR OR REGISTERED ENGINEER TO RESET SUCH MONUMENTS.

PROFESSIONAL ENGINEERS NOTICE TO CONTRACTOR

1. ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR AND THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS "CONSTRUCTION SAFETY ORDERS." THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS AND SUBCONTRACTORS COMPLIANCE WITH SAID REGULATIONS AND ORDERS.
2. CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE CIVIL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
3. THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CIVIL ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES NOR FOR UTILITY OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK OR EXCAVATION TO DETERMINE THE EXACT LOCATIONS OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON, AND FOR ANY DAMAGE TO OR PROTECTION OF THESE LINES.

DEMOLITION GENERAL NOTES

1. UTILITIES: THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS AND BEST RECOLLECTION OF FACILITY STAFF, THE CIVIL ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES NOR FOR UTILITY OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK OR POT HOLE TO DETERMINE THE EXACT LOCATIONS OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OR PROTECTION OF ALL EXISTING UTILITY LINES.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF THE SITE AND SHALL REMOVE AND DISPOSE OF ALL STRUCTURES ABOVE AND OR BELOW GROUND UNLESS OTHERWISE NOTED. ANY HAZARDOUS MATERIALS ENCOUNTERED SHALL BE HANDLED AND REMOVED AS REQUIRED BY LOCAL AND/OR STATE LAWS AT NO COST TO THE OWNER.
3. THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DAMAGE TO EXISTING HARDSCAPE IMPROVEMENTS , UTILITY FACILITIES, AND LANDSCAPING FEATURES THAT ARE NOT AFFECTED BY THESE PLANS.
4. ALL JOIN LINES SHALL BE SAW CUT ON A NEAT, STRAIGHT LINE PARALLEL WITH THE JOIN. THE CUT EDGE SHALL BE PROTECTED FROM CRUSHING, AND ALL BROKEN EDGES SHALL BE RECUT PRIOR TO JOINING.
5. ALL EXISTING OBJECTIONABLE MATERIALS THAT CONFLICT WITH PROPOSED IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, BUILDING FOUNDATIONS, UTILITIES AND APPURTENANCES, TREES, SIGNS, AND STRUCTURES, ETC. SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR AT NO COST TO THE OWNER, UNLESS OTHERWISE INDICATED HEREIN, OR AS DIRECTED BY THE CONSTRUCTION MANAGER.
6. THE CONTRACTOR SHALL PROTECT ALL EXISTING STREETS FROM DAMAGES CAUSED BY HIS OPERATIONS. ANY CURBS DAMAGED DURING HIS OPERATIONS SHALL BE SAWCUT AND REPLACED AT NO COST TO THE OWNER. ANY EXISTING PAVING IDENTIFIED AS POTENTIALLY NEEDING TO BE REPLACED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNERS REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.
7. THE CONTRACTOR SHALL PERFORM AND BE RESPONSIBLE FOR ALL CLEARING AND GRUBBING OPERATIONS AS NECESSARY TO COMPLETE THE WORK, INCLUDING TRANSPORTATION AND DISPOSAL OF ALL REMOVED MATERIALS, AND ALL ASSOCIATED COSTS.

ACCESSIBILITY NOTICE TO CONTRACTOR

1. ALL SLOPES IN DIRECTION OF TRAVEL SHOWN ON THIS PLAN WERE DESIGNED AT OR BELOW MAXIMUM ALLOWED GRADES BY THE AMERICANS WITH DISABILITIES ACT ACCESS GUIDE (ADAAG), AND THE CALIFORNIA BUILDING CODE (CBC) IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO FAMILIARIZE THEMSELVES WITH THE ADAAG AND CBC AND IN THE EVENT THAT A DESIGN QUESTION SHOULD ARISE, OR A FIELD CONDITION PRESENT ITSELF THAT IS DIFFERENT THAN SHOWN ON THESE PLANS, WORK SHOULD CEASE AND THE DESIGN ENGINEER SHALL BE NOTIFIED SO THAT AN ACCEPTABLE SOLUTION CAN BE DETERMINED.
2. THE CONTRACTOR IS ADVISED TO CAREFULLY CHECK ALL PHASES OF WORK RELATING TO ADAAG AND CBC ACCESS FOR THIS PROJECT. SINCE THE CODE DOES NOT ALLOW FOR A CONSTRUCTION TOLERANCE, ANY CONSTRUCTION THAT EXCEEDS MAXIMUM OR MINIMUM DIMENSIONS AND SLOPES AS CALLED OUT BY ADAAG AND CBC ARE SUBJECT TO REJECTION BY THE INSPECTOR AND MAY BE REQUIRED TO BE REMOVED AND REPLACED.
3. SINCE THE CIVIL ENGINEER OR SURVEYOR CANNOT CONTROL THE EXACT METHODS OR MEANS USED BY THE GENERAL CONTRACTOR OR THEIR SUB-CONTRACTORS DURING THE GRADING AND CONSTRUCTION OF THE PROJECT, THE CIVIL ENGINEER OR SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE FINAL ACCEPTANCE OF ADAAG AND CBC RELATED ITEMS OF THIS PROJECT BY THE INSPECTING AUTHORITY OR OTHER AFFECTED PARTIES.
4. COMPLIANCE WITH THE ADAAG AND CBC CONSTRUCTION REQUIREMENTS AND CALIFORNIA TITLE 24 WILL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS.

PROJECT INFORMATION

ZONING:	COMMERCIAL RETAIL (CR)
APN:	013-101-072
FLOOD ZONE:	ZONE AE
SITE AREA:	1.4 AC
AREA DISTURBED:	0.20 ACRES (OFFSITE) 0.27 ACRES (ONSITE) PER SEPARATE PLANS 0.47 ACRES (TOTAL)
WDID NUMBER:	NOT REQUIRED - LESS THAN 1.0 ACRE
GRADING INFORMATION*	
CUT QUANTITY:	800 CUBIC YARDS
FILL QUANTITY:	250 CUBIC YARDS
NET CUT/FILL:	550 CUBIC YARDS EXPORT

EXPORT LOCATION IS ASSUMED TO BE THE BIANCHI QUARRY, LOCATED ON SANTA ROSA CREEK ROAD IN CAMBRIA (OPERATED BY CRYE CONSTRUCTION).

* EARTHWORK QUANTITIES ARE PROVIDED FOR PERMITTING INFORMATION ONLY. THE QUANTITIES SHOWN ABOVE ARE NOT INTENDED FOR USE BY THE CONTRACTOR WHEN ESTIMATING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO GENERATE AND/OR VERIFY EARTHWORK QUANTITIES.

UTILITY INFORMATION

ELECTRICITY:	PACIFIC GAS AND ELECTRIC WWW.PGE.COM 1-(800)-PGE-5000
WATER/SEWER:	CAMBRIA COMMUNITY SERVICES DISTRICT 1316 TAMSON DRIVE, SUITE 201 CAMBRIA, CA 93401 (805)-927-6223
NATURAL GAS:	SOUTHERN CALIFORNIA GAS COMPANY 1314 BROAD STREET SAN LUIS OBISPO, CA 93401 (800)-427-2200
TELEPHONE/CABLE TV:	CHARTER COMMUNICATIONS 7555 SAN LUIS AVENUE ATASCADERO, CA 93422 1-(888)-438-2427
TRASH SERVICE:	MIDSTATE SOLID WASTE & RECYCLING 3360 LA CRUZ WAY PASO ROBLES, CA 93446 (805)-434-9112

SURVEY NOTES

BENCHMARK:
SCRIBED "X" ON SIDEWALK, ELEVATION 29.70' (NAVD 88)

BASIS OF BEARING:
NORTH AMERICAN DATUM OF 1983 (NAD 83)

ORIGIN OF SURVEY INFORMATION:
THE TOPOGRAPHIC INFORMATION SHOWN IN THESE DRAWINGS AND USED TO DESIGN THE INFORMATION SHOWN ON THESE DRAWINGS WAS PERFORMED AND PREPARED BY GB LAND SURVEYING ON MAY 10, 2021. IF DISCREPANCIES ARE ENCOUNTERED DURING CONSTRUCTION THE SURVEYOR AND CONTRACTOR WILL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY AND PRIOR TO CONTINUING CONSTRUCTION.

PROJECT PARTICIPANTS

PROPERTY OWNER:	CAMBRIA COMMUNITY SERVICES DISTRICT 1316 TAMSON DRIVE, SUITE 201 CAMBRIA, CA 93428 805.927.6223
AGENCY:	COUNTY OF SAN LUIS OBISPO 976 OSOS STREET, SUITE 200 SAN LUIS OBISPO, CA 93401 805.781.5600
CIVIL ENGINEER:	CIVIL DESIGN STUDIO, INC. MONTE SOTO, P.E., QSD P.O. BOX 199 CAMBRIA, CA 93428 805.706.0401
GEOTECHNICAL ENGINEER:	GEOSOLUTIONS, INC. KRAIG CROZIER 220 HIGH STREET SAN LUIS OBISPO, CA 93401 805.543.8539

ABBREVIATIONS

APWA	AMERICAN PUBLIC WORKS ASSOCIATION	IRR	IRRIGATION
		JP	JOINT POLE
AC	ASPHALTIC CONCRETE	L/A	LANDSCAPE AREA
ARCH	ARCHITECT	LP	LIGHT POLE / LOW POINT
AV	AIR VAC RELEASE	MH	MANHOLE
BLDG	BUILDING	MJ	MECHANICAL JOINT
BCR	BEGIN CURB RETURN	MON	MONUMENT
BEG	BEGINNING	NG	NATURAL GRADE
BF	BLIND FLANGE	NAP	NOT A PART
BFE	BASE FLOOD ELEVATION	OH / OHD	OVERHEAD UTILITY
BSW	BACK OF SIDEWALK	P/A	PLANTER AREA
BVC	BEGIN VERTICAL CURVE	P/L	PROPERTY LINE
BW	BOTTOM OF WALL	PC	POINT OF CURVATURE
BO	BLOW OFF	PCCR	POINT OF COMPOUND CURVE
C/L	CENTERLINE	PCC	PORTLAND CEMENT CONCRETE
CB	CATCH BASIN	PE	PAD ELEVATION
CMU	CONCRETE MASONRY UNIT	PI	POINT OF INFLECTION
CO	CLEANOUT	POC	POINT OF CONNECTION (UTILITY)
CONC	CONCRETE	PP	POWER POLE
DDC	DOUBLE DETECTOR CHECK	PRCR	POINT OF REVERSE CURVE
D/W	DRIVEWAY	PS	PARKING STRIPE
ECR	END CURB RETURN	PT	POINT OF TANGENCY
EG	EXISTING GRADE	PUE	PUBLIC UTILITY EASEMENT
EL.	ELEVATION	PVI	POINT OF VERTICAL INFLECTION
ENG	ENGINEER	R/W, ROW	RIGHT OF WAY
EP	EDGE OF PAVEMENT	RP	REDUCED PRESSURE BACKFLOW DEVICE
ESMT	EASEMENT		
EVC	END VERTICAL CURVE	SD	STORM DRAIN
FDC	FIRE DEPARTMENT CONNECTION	SG	SUB-GRADE ELEVATION
FF	FINISHED FLOOR ELEVATION	SS	SANITARY SEWER
FG	FINISHED GROUND ELEVATION	STA	STATION
FH	FIRE HYDRANT	TB	THRUST BLOCK
FL	FLOW LINE	TC	TOP OF CURB
FLG	FLANGED	TEL	TELEPHONE
FS	FINISHED SURFACE ELEVATION	TF	TOP OF FOOTING
GB	GRADE BREAK	TI	TRAFFIC INDEX
GM	GAS METER	TG	TOP OF GRATE
GV	GAS VALVE	TW	TOP OF WALL
GTD	GRADE TO DRAIN	VC	VERTICAL CURVE
GUY	GUY WIRE ANCHOR	VLT	VAULT
HB	HOSE BIB	WDID	WASTE DISCHARGE IDENTIFICATION NUMBER
HP	HIGH POINT		
IE	SEWER INVERT ELEVATION	WL	WATERLINE
ICV	IRRIGATION CONTROL VALVE	WM	WATER METER
INV	STORM DRAIN INVERT ELEVATION	WV	WATER VALVE

MODIFIED SLO COUNTY FORM BLD-1032

TABLE 1705.6 (2022 CALIFORNIA BUILDING CODE)

CHECK IF REQUIRED	VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
X	1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		X
X	2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		X
X	3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		X
X	4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	
X	5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		X

1

UTILITY GENERAL NOTES

1. ALL WATER LINES 3" AND SMALLER SHALL BE SCHEDULE 80 PVC, PER ASTM D-1784 WITH SOLVENT WELD FITTINGS. ALL WATER LINES 4" AND GREATER SHALL BE CLASS 235 C900 PVC WITH THRUST BLOCKS AT ALL APPLICABLE FITTINGS.
2. WATER MAIN AND SEWER MAIN CROSSINGS SHALL COMPLY WITH STATE AND AGENCY HEALTH DEPARTMENT REGULATIONS. WATER SERVICE LINES AND SEWER LATERALS SHALL NOT BE IN THE SAME TRENCH. WATER AND SEWER LINES ONSITE SHALL HAVE A TEN FOOT MINIMUM HORIZONTAL CLEARANCE WHENEVER POSSIBLE. WATER MAINS SHALL CLEAR ABOVE ALL SEWER LATERALS BY A MINIMUM OF ONE FOOT VERTICAL CLEARANCE OR UNDER BY 3' MINIMUM. WHEN WATER LINE CROSSES UNDER SEWER, OR MINIMUM CLEARANCE OVER SEWER IS NOT ACHIEVED, SEWER SHALL NOT HAVE JOINTS WITHIN 10' EACH SIDE OF CROSSING.
3. MINIMUM WATER LINE COVER SHALL BE 24" FOR 3" DIAMETER AND SMALLER, 36" OF COVER FOR 4" DIAMETER AND LARGER. FIRE LINES SHALL BE 48" OF COVER.
4. THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COMPACTION TESTS OF ALL TRENCH BACKFILL AND SUBMIT THEM TO THE CONSTRUCTION MANAGER FOR APPROVAL. ALL BACKFILL SHALL HAVE A SAND EQUIVALENT OF 30 OR BETTER.
5. WATER SERVICE, SEWER, FIRE SYSTEM AND ROOF DRAIN POINTS OF CONNECTION TO THE BUILDINGS SHALL BE INSTALLED BY THE BUILDING PLUMBING CONTRACTOR.
6. MINIMUM BEARING AREA FOR THRUST BLOCKS SHALL BE ACCORDING TO THE THRUST BLOCK SCHEDULE SHOWN ON THESE PLANS.
7. A PIPE "DEFLECTOR' OR "REROUNDER" SHALL NOT BE USED TO REROUND OVERDEFLECTED PIPES.
8. ALL VALVE AND CLEANOUT COVERS TO HAVE TRAFFIC RATED VANDAL PROOF COVERS AND ADJUSTED BY CONTRACTOR TO FINISH GRADE AFTER PAVING. ALL COVERS SHALL INDICATE "S" FOR SEWER, "W" FOR WATER, AND "SD" FOR STORM DRAIN.
9. UNDERGROUND STEEL UTILITIES SHOULD BE PROTECTED FROM CORROSION WITH 40 MIL EXTRUDED POLYETHYLENE, 20 MIL PLASTIC TAPE OVER PRIMER PER AWWA STANDARD C209, OR HOT APPLIED COAL TAR ENAMEL OR TAPE PER AWWA STANDARD C203.
10. BARE STEEL APPURTENANCES SUCH AS BOLTS, JOINT HARNESSES OR FLEXIBLE COUPLINGS SHOULD BE COATED WITH A COAL TAR OR RUBBER-BASED MASTIC AFTER ASSEMBLY.
11. SEWER PIPE SHOWN ON PLAN SHALL SHALL BE POLYVINYL CHLORIDE PLASTIC PIPE (OR APPROVED ALTERNATE MATERIAL) AND COMPLY WITH ASTM D3034 FOR 4" THROUGH 15" SDR 35/26 SEWER PIPE. SEWER PIPE SHALL HAVE A STANDARD DIMENSION RATIO (SDR) OF 35 OF STRONGER.
12. CONTRACTOR SHALL EXPOSE ALL WATER AND SEWER PIPELINES AT PROPOSED CONNECTION POINTS TO CONFIRM MATERIAL TYPES LOCATION, AND ELEVATION PRIOR TO BEGINNING CONSTRUCTION.
13. ALL WATERLINES SHALL HAVE UNDERGROUND WARNING TAPE PLACED 12" ABOVE THE LINES IN THE TRENCH. NON-METALIC LINES SHALL HAVE METALLIC LINED TAPE.
14. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR AND COORDINATE THE RELOCATION OF ANY EXISTING UTILITIES DEEMED NECESSARY BY THE PROPOSED IMPROVEMENT.
15. WHENEVER IT BECOMES NECESSARY TO TUNNEL UNDER EXISTING IMPROVEMENTS, THE CONTRACTOR SHALL SUPPORT THOSE IMPROVEMENTS IN A MANNER APPROVED BY THE PROJECT ENGINEER OR THE CONTRACTOR SHALL SAWCUT, REMOVE AND REPLACE THOSE IMPROVEMENTS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
16. PRIOR TO PLACING OF UNDERGROUND UTILITIES, THE LOCATION OF ALL UNDERGROUND FACILITIES (ELECTRICAL, TELEPHONE, CABLE TV, GAS, ETC.) SHALL BE MARKED.
17. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES (BY POTHOLING OR OTHER MEANS), CONTRACTORS SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.) 800/227-2600 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION TO LOCATE EXISTING UTILITIES. ANY PERCEIVED CONFLICTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE PROJECT CIVIL ENGINEER.
18. CONTRACTOR SHALL OBTAIN ANY REQUIRED O.S.H.A. PERMITS PRIOR TO ANY EXCAVATIONS.
19. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING WORK. SHOULD CONDITIONS EXIST WHICH ARE CONTRARY TO THOSE SHOWN ON PLANS, THE PROJECT CIVIL ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH WORK.
20. ALL SEWER PIPES SHALL BE INSTALLED AT STRAIGHT GRADES BETWEEN INVERT ELEVATIONS INDICATED. UNLESS SHOWN OTHERWISE, MINIMUM SEWER SLOPE SHALL BE INSTALLED AT THE FOLLOWING:
   - 8" SEWER / S=0.0050
   - 6" SEWER / S=0.0100
   - 4" SEWER / S=0.0200
21. ALL CHANGES IN HORIZONTAL ALIGNMENT OF SEWER PIPE SHALL BE ACCOMPLISHED BY USE OF MANUFACTURED FITTINGS AND ELBOWS, AND WHERE ADDITIONALLY NECESSARY, PIPE JOINT DEFLECTIONS WITHIN ALLOWABLE LIMITS PER THE PRODUCT SPECIFICATIONS.
22. CLEAN OUTS SHALL BE INSTALLED ON ALL SEWER AND STORM DRAIN LINES IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE. THE MINIMUM SPACING BETWEEN CLEAN OUTS SHALL BE IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE REGARDLESS IF SHOWN WITHIN THESE PLANS.
23. ALL WET UTILITY TRENCHES, BEDDING AND BACKFILL SHALL CONFORM TO SECTION 306-1.2.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. SUBSTITUTION OF BEDDING MATERIAL SHALL BE APPROVED BY THE PROJECT CIVIL ENGINEER.
24. THE CONTRACTOR SHALL PERFORM TESTING, FLUSHING AND DISINFECTING OF SYSTEMS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
25. THE CONTRACTOR SHALL KEEP A WRITTEN ACCOUNT OF APPROVED FIELD CHANGES FOR USE BY THE PROJECT ENGINEER IN PREPARING ASBUILT DRAWINGS.
26. ALL PIPE SIZE REFERENCES ARE MINIMUM INSIDE DIAMETER SIZE. HORIZONTAL DIMENSIONS SHOWN ON THESE PLANS ARE TO CENTERLINE OF PIPES.
27. NATURAL GAS SERVICE LINES MAY BE INSTALLED IN A COMMON TRENCH WITH WATERLINES IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
28. DRINKING FOUNTAIN AND IRRIGATION APPURTENANCES SHOWN HEREON ARE APPROXIMATE AND THE CONTRACTOR SHALL REFER TO THE ARCHITECTS AND LANDSCAPE ARCHITECTS PLANS FOR THE EXACT LOCATION.
29. THE CONTRACTOR SHALL BEGIN CONSTRUCTION OF ALL SEWER AND STORM DRAIN LINES AND LATERALS FROM THE LOWEST POINT OF ELEVATION IN THE SYSTEM, AND WORK UPSTREAM TOWARDS THE HIGH POINT.
30. CONTRACTOR SHALL PROVIDE A MINIMUM BURY DEPTH OF 48" FOR FIRE LINES AND 36" FOR WATER.

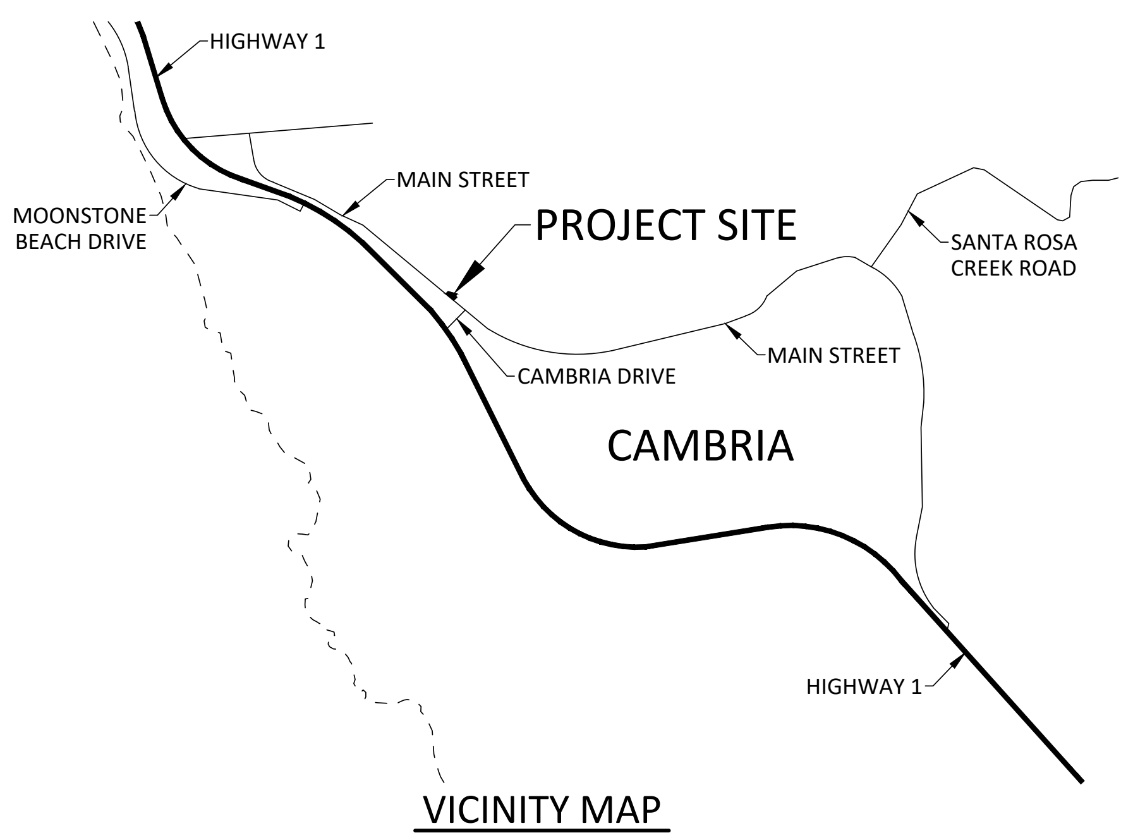
DIGALERT

DIAL TOLL FREE
811 OR
(1-800-227-2600)
AT LEAST TWO DAYS
BEFORE YOU DIG

UNDERGROUND SERVICE ALERT OF CALIFORNIA

LEGEND

SD	STORM DRAIN LINE
SS	SANITARY SEWER LINE
SFM	SEWER FORCE MAIN
WL	WATER LINE
G	GAS LINE
E	(E) ELECTRIC LINE
→	FLOWLINE
→	(E) FLOWLINE
	(E) MAJOR CONTOUR
	(E) MINOR CONTOUR
	RETAINING WALL
	PROPERTY LINE
	STREET CENTERLINE
▨	(E) BUILDING
	ASPHALT PAVING
	CONCRETE IN DRIVE AISLE
	CONCRETE IN PEDESTRIAN AREA
	PLANTER AREA
	DETECTABLE WARNING SURFACE
(435.55) EG	(E) ELEVATION
436.55 FS	FINISH SURFACE ELEVATION
1.0%	FINISH SURFACE GRADE
(1.0%)	(E) SURFACE GRADE
SD	(E) SD MANHOLE
SS	(E) SS MANHOLE
	(E) SD CATCH BASIN
	(E) SD/SS CLEANOUT
	(E) FIRE HYDRANT
WM	(E) WATER METER
⧓	(E) WATER VALVE
	(E) BACKFLOW DEVICE
	(E) FIRE DEPARTMENT CONNECTION
	(E) POST INDICATOR VALVE
○ ○	(E) GREASE INTERCEPTOR
SD	SD MANHOLE
SS	SS MANHOLE
	SD CATCH BASIN
	SD/SS CLEANOUT
	FIRE HYDRANT
WM	WATER METER
⧓	WATER VALVE
	BACKFLOW DEVICE
	FIRE DEPARTMENT CONNECTION
	POST INDICATOR VALVE
○ ○	GREASE INTERCEPTOR
	YARD DRAIN
	THRUST BLOCK



VICINITY MAP

NOT TO SCALE

PROJECT ROAD MAP - GRADING PERMIT

SCOPE OF WORK:
THE SCOPE OF WORK DEFINED BY THESE PLANS INCLUDES GRADING (GRAD2024-00146) TO CONSTRUCT A COMMUNITY SKATE PARK, CONSTRUCTION OF FRONTAGE IMPROVEMENTS, PAD PREPARATION FOR A PROPOSED BUILDING, CONSTRUCTION OF UTILITY INFRASTRUCTURE, CONSTRUCTION OF 60' LINEAR FT OF RETAINING WALL, AND IMPLEMENTATION OF EROSION AND SEDIMENT CONTROL MEASURES.

THESE PLANS ALLOW FOR CONSTRUCTION OF THE FOLLOWING :

- GRADING FOR SKATE PARK
- PAD PREPARATION FOR PRE-MANUFACTURED BATHROOM BUILDING WITH AN HCD TAG
- 355' OF PUBLIC IMPROVEMENTS
- 60 LINEAR FT RETAINING WALL
- EROSION AND SEDIMENT CONTROL FOR ALL DISTURBED SOIL AREAS

SEPARATE PERMITS:
- CBLD2024-00073

PRE CONSTRUCTION MEETING:
A PRE-CONSTRUCTION MEETING IS REQUIRED WITH THE INSPECTOR TO GO OVER SPECIAL INSPECTION REPORTING REQUIREMENTS , EROSION AND SEDIMENTATION CONTROL, AND REPORTS REQUIRED. CALL MICHELLE FREEMAN AT 805.461.6199

SPECIAL INSPECTION TABLE:
SEE TABLE 1705.6 FROM THE 2022 CALIFORNIA BUILDING CODE, THIS SHEET.

SPECIAL CERTIFICATIONS:
SPECIAL INSPECTORS SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL. NAMES AND QUALIFICATIONS OF SPECIAL INSPECTOR(S) SHALL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND BUILDING FOR APPROVAL.

PAD CERTIFICATION:
PAD CERTIFICATION IS REQUIRED. A SOIL OR CIVIL ENGINEER TO DETERMINE GRADING PERFORMED IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS AND IS SUITABLE TO SUPPORT THE INTENDED STRUCTURE

REPORTS REQUIRED:
ENGINEER OF RECORD TO PROVIDE A FINAL REPORT STATING THAT WORK PERFORMED IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS

PROJECT ROAD MAP - BUILDING PERMIT

SCOPE OF WORK:
THE SCOPE OF WORK DEFINED BY THESE PLANS INCLUDES INSTALLATION OF A PRE-MANUFACTURED BUILDING (CBLD2024-00073). THE BUILDING WILL HAVE AN HCD TAG.

SEPARATE PERMITS:
- GRAD2024-00146 (GRADING FOR SKATE PARK AND PAD PREP FOR BUILDING

PRE CONSTRUCTION MEETING:
A PRE-CONSTRUCTION MEETING IS REQUIRED WITH THE INSPECTOR TO GO OVER SPECIAL INSPECTION REPORTING REQUIREMENTS , EROSION AND SEDIMENTATION CONTROL, AND REPORTS REQUIRED. CALL MICHELLE FREEMAN AT 805.461.6199

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REPORTS REQUIRED:
ENGINEER OF RECORD TO PROVIDE A FINAL REPORT STATING THAT WORK PERFORMED IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS

1

Sheet List Table

Sheet Number	Sheet Title
C100	TITLE SHEET
C101	CONDITIONS OF APPROVAL
C200	EXISTING CONDITIONS AND DEMOLITION PLAN
C400	GRADING PLAN
C500	UTILITY PLAN
C700	EROSION CONTROL PLAN
C800	DETAIL SHEET
C801	DETAIL SHEET
C802	DETAIL SHEET
L-1	IRRIGATION PLAN
L-2	IRRIGATION DETAILS
L-3	IRRIGATION SPECIFICATIONS
L-4	PLANTING PLAN
L-5	PLANTING DETAILS
L-6	PLANTING SPECIFICATIONS
F-1	FENCING PLAN

PLAN PREPARED BY:

CIVIL DESIGN STUDIO
CIVIL ENGINEERING | PLANNING | PERMITTING
P.O. Box 199 | Cambria | CA 93428
805.706.0401 www.civil-studio.com

ENGINEER OF RECORD:

MONTE R SOTO
No. 74736
CIVIL

PROJECT NAME:

CAMBRIA SKATE PARK

PROJECT LOCATION:

975 MAIN STREET
CAMBRIA, CA 93428
APN: 013-101-072

PLANS PREPARED FOR:

CAMBRIA COMMUNITY SERVICES DISTRICT
1316 TAMSON DRIVE, SUITE 201
CAMBRIA, CA 93428

REVISIONS:

1	1ST PLAN CHECK CORRECTIONS
2	2ND PLAN CHECK CORRECTIONS
3	3RD PLAN CHECK CORRECTIONS

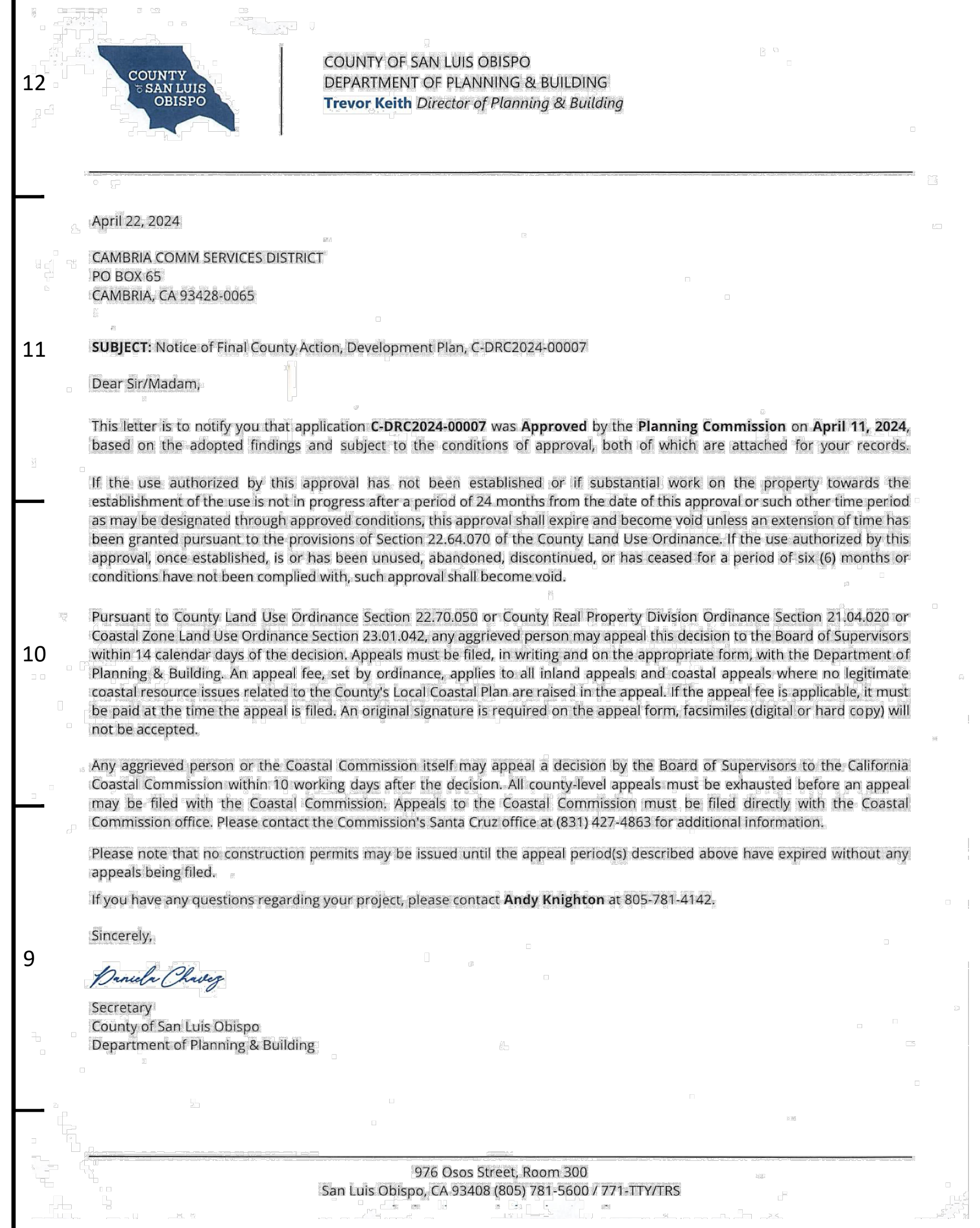
REVIEWED BY:	MRS
PREPARED BY:	JTI
DATE:	MARCH 10, 2025
CDS JOB #:	22-011

TITLE SHEET

C100

SHEET 1 OF 8 SHEETS

Z:\Shared\CDS Data\Active Jobs\22-011 Cambria Skate Park PIP_Project\3_Condocs\22-011 Title Sheet.dwg, March 11, 2026



COUNTY OF SAN LUIS OBISPO
DEPARTMENT OF PLANNING & BUILDING
Trevor Keith *Director of Planning & Building*

April 22, 2024

CAMBRIA COMM SERVICES DISTRICT
PO BOX 65
CAMBRIA, CA 93428-0065

SUBJECT: Notice of Final County Action, Development Plan, C-DRC2024-00007

Dear Sir/Madam,

This letter is to notify you that application **C-DRC2024-00007** was **Approved** by the **Planning Commission** on **April 11, 2024**, based on the adopted findings and subject to the conditions of approval, both of which are attached for your records.

If the use authorized by this approval has not been established or if substantial work on the property towards the establishment of the use is not in progress after a period of 24 months from the date of this approval or such other time period as may be designated through approved conditions, this approval shall expire and become void unless an extension of time has been granted pursuant to the provisions of Section 22.64.070 of the County Land Use Ordinance. If the use authorized by this approval, once established, is or has been unused, abandoned, discontinued, or has ceased for a period of six (6) months or conditions have not been complied with, such approval shall become void.

Pursuant to County Land Use Ordinance Section 22.70.050 or County Real Property Division Ordinance Section 21.04.020 or Coastal Zone Land Use Ordinance Section 23.01.042, any aggrieved person may appeal this decision to the Board of Supervisors within 14 calendar days of the decision. Appeals must be filed, in writing and on the appropriate form, with the Department of Planning & Building. An appeal fee, set by ordinance, applies to all inland appeals and coastal appeals where no legitimate coastal resource issues related to the County's Local Coastal Plan are raised in the appeal. If the appeal fee is applicable, it must be paid at the time the appeal is filed. An original signature is required on the appeal form, facsimiles (digital or hard copy) will not be accepted.

Any aggrieved person or the Coastal Commission itself may appeal a decision by the Board of Supervisors to the California Coastal Commission within 10 working days after the decision. All county-level appeals must be exhausted before an appeal may be filed with the Coastal Commission. Appeals to the Coastal Commission must be filed directly with the Coastal Commission office. Please contact the Commission's Santa Cruz office at (831) 427-4863 for additional information.

Please note that no construction permits may be issued until the appeal period(s) described above have expired without any appeals being filed.

If you have any questions regarding your project, please contact **Andy Knighton** at 805-781-4142.

Sincerely,

Daniela Chavez

Secretary
County of San Luis Obispo
Department of Planning & Building

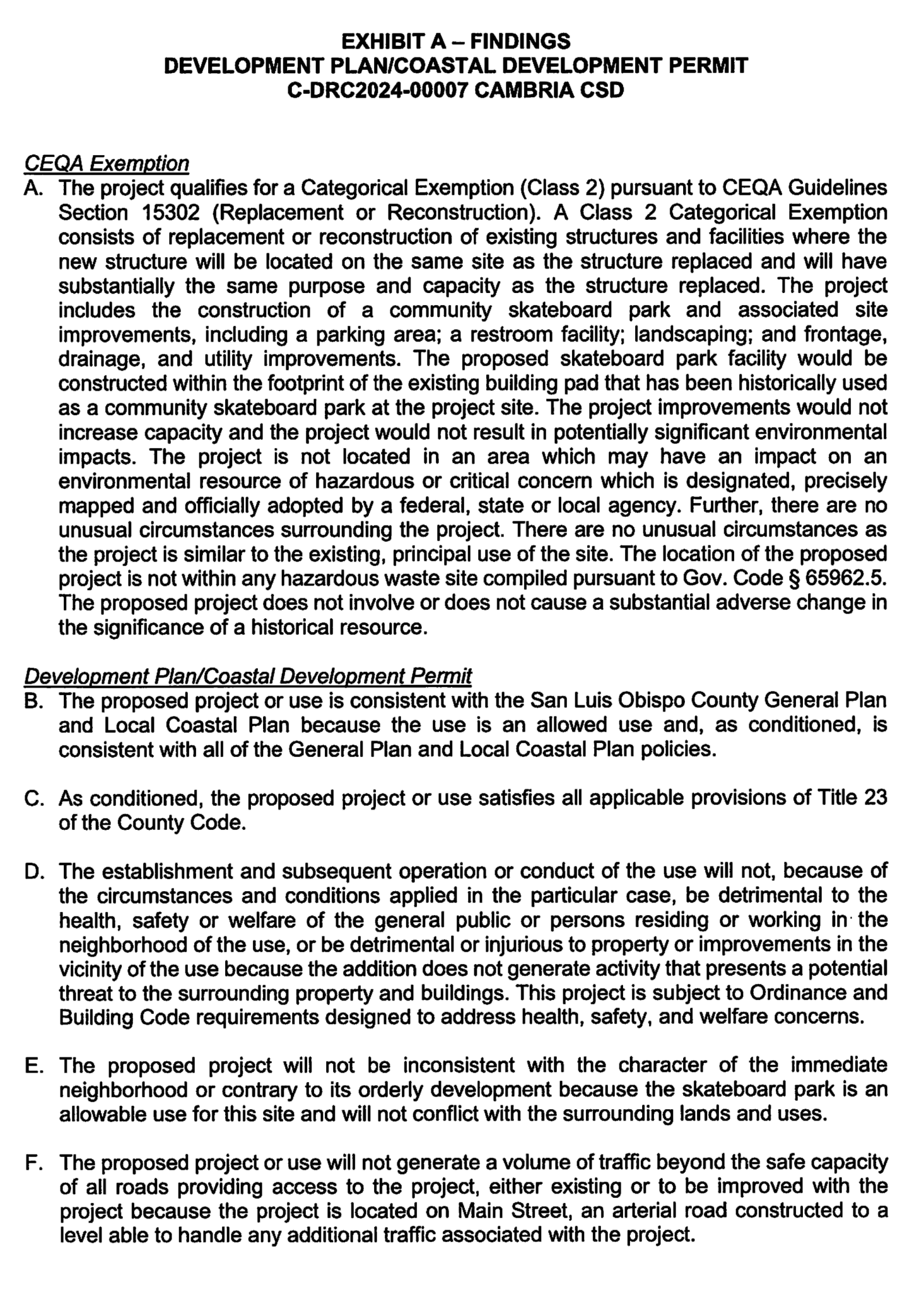


EXHIBIT A – FINDINGS
DEVELOPMENT PLAN/COASTAL DEVELOPMENT PERMIT
C-DRC2024-00007 CAMBRIA CSD

CEQA Exemption

A. The project qualifies for a Categorical Exemption (Class 2) pursuant to CEQA Guidelines Section 15302 (Replacement or Reconstruction). A Class 2 Categorical Exemption consists of replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced. The project includes the construction of a community skateboard park and associated site improvements, including a parking area; a restroom facility; landscaping; and frontage, drainage, and utility improvements. The proposed skateboard park facility would be constructed within the footprint of the existing building pad that has been historically used as a community skateboard park at the project site. The project improvements would not increase capacity and the project would not result in potentially significant environmental impacts. The project is not located in an area which may have an impact on an environmental resource of hazardous or critical concern which is designated, precisely mapped and officially adopted by a federal, state or local agency. Further, there are no unusual circumstances surrounding the project. There are no unusual circumstances as the project is similar to the existing, principal use of the site. The location of the proposed project is not within any hazardous waste site compiled pursuant to Gov. Code § 65962.5. The proposed project does not involve or does not cause a substantial adverse change in the significance of a historical resource.

Development Plan/Coastal Development Permit

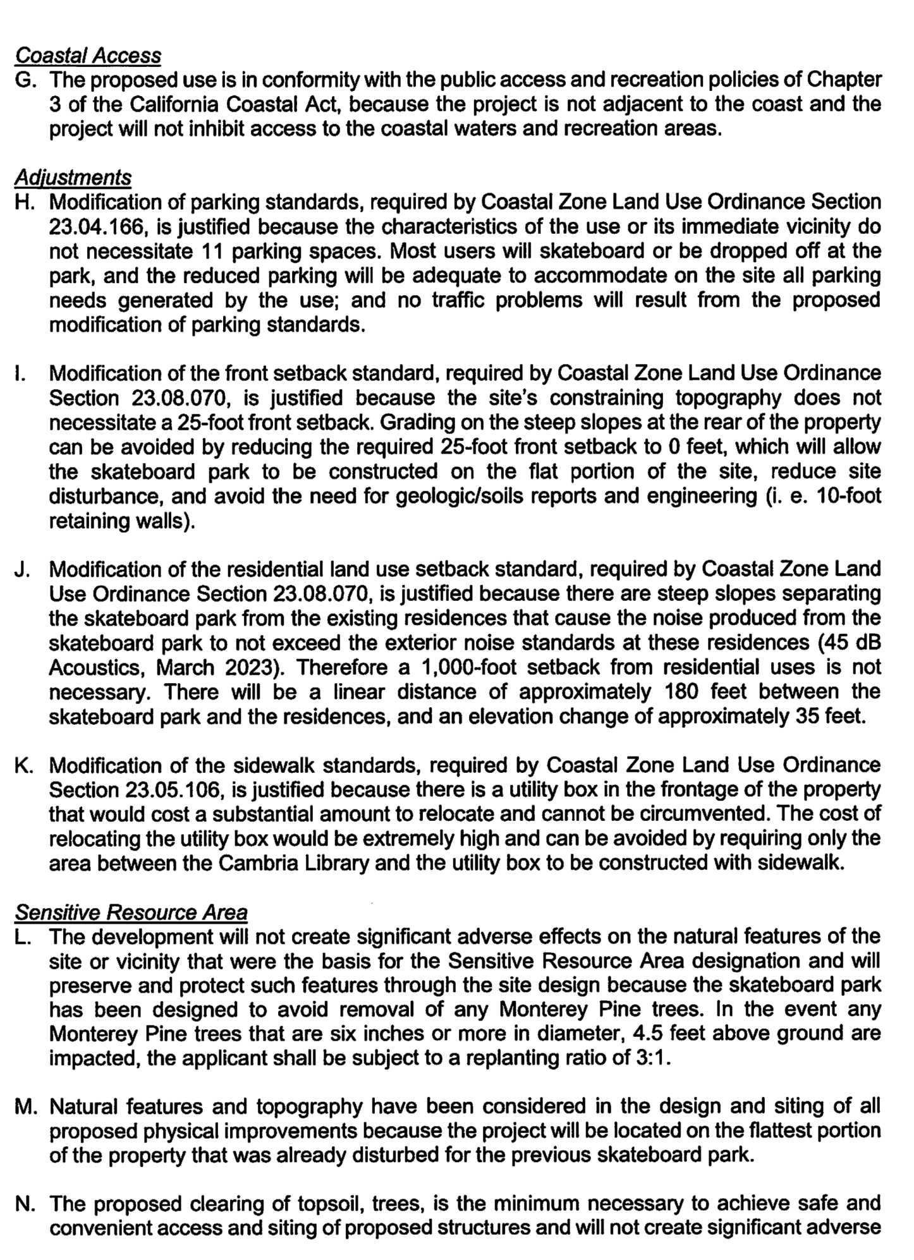
B. The proposed project or use is consistent with the San Luis Obispo County General Plan and Local Coastal Plan because the use is an allowed use and, as conditioned, is consistent with all of the General Plan and Local Coastal Plan policies.

C. As conditioned, the proposed project or use satisfies all applicable provisions of Title 23 of the County Code.

D. The establishment and subsequent operation or conduct of the use will not, because of the circumstances and conditions applied in the particular case, be detrimental to the health, safety or welfare of the general public or persons residing or working in the neighborhood of the use, or be detrimental or injurious to property or improvements in the vicinity of the use because the addition does not generate activity that presents a potential threat to the surrounding property and buildings. This project is subject to Ordinance and Building Code requirements designed to address health, safety, and welfare concerns.

E. The proposed project will not be inconsistent with the character of the immediate neighborhood or contrary to its orderly development because the skateboard park is an allowable use for this site and will not conflict with the surrounding lands and uses.

F. The proposed project or use will not generate a volume of traffic beyond the safe capacity of all roads providing access to the project, either existing or to be improved with the project because the project is located on Main Street, an arterial road constructed to a level able to handle any additional traffic associated with the project.



Coastal Access

G. The proposed use is in conformity with the public access and recreation policies of Chapter 3 of the California Coastal Act, because the project is not adjacent to the coast and the project will not inhibit access to the coastal waters and recreation areas.

Adjustments

H. Modification of parking standards, required by Coastal Zone Land Use Ordinance Section 23.04.166, is justified because the characteristics of the use or its immediate vicinity do not necessitate 11 parking spaces. Most users will skateboard or be dropped off at the park, and the reduced parking will be adequate to accommodate on the site all parking needs generated by the use; and no traffic problems will result from the proposed modification of parking standards.

I. Modification of the front setback standard, required by Coastal Zone Land Use Ordinance Section 23.08.070, is justified because the site's constraining topography does not necessitate a 25-foot front setback. Grading on the steep slopes at the rear of the property can be avoided by reducing the required 25-foot front setback to 0 feet, which will allow the skateboard park to be constructed on the flat portion of the site, reduce site disturbance, and avoid the need for geologic/soils reports and engineering (i. e. 10-foot retaining walls).

J. Modification of the residential land use setback standard, required by Coastal Zone Land Use Ordinance Section 23.08.070, is justified because there are steep slopes separating the skateboard park from the existing residences that cause the noise produced from the skateboard park to not exceed the exterior noise standards at these residences (45 dB Acoustics, March 2023). Therefore a 1,000-foot setback from residential uses is not necessary. There will be a linear distance of approximately 180 feet between the skateboard park and the residences, and an elevation change of approximately 35 feet.

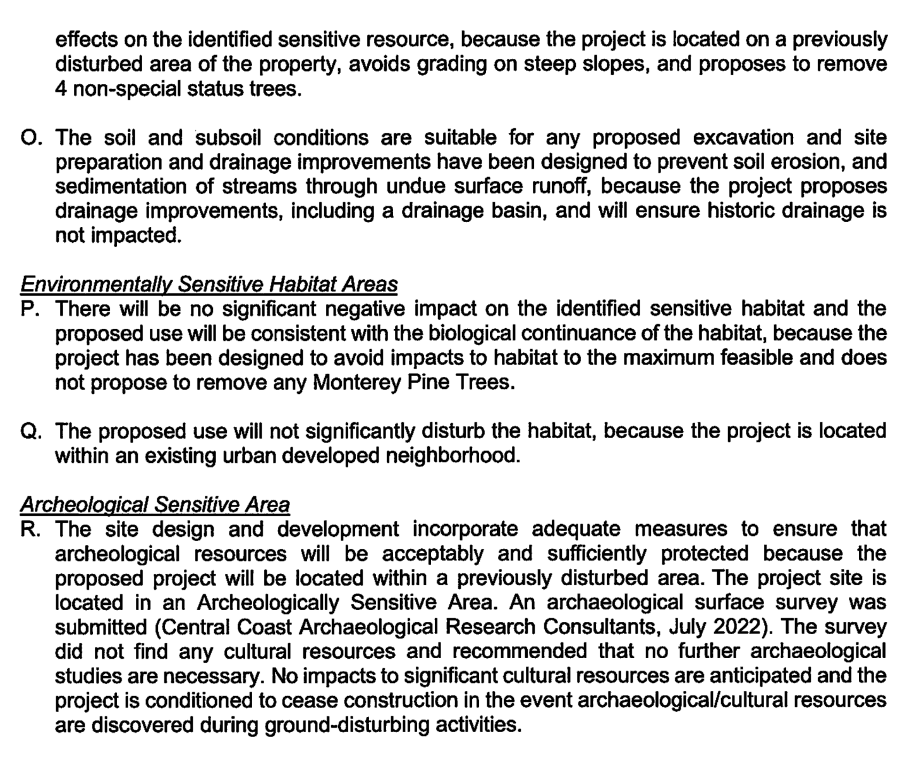
K. Modification of the sidewalk standards, required by Coastal Zone Land Use Ordinance Section 23.05.106, is justified because there is a utility box in the frontage of the property that would cost a substantial amount to relocate and cannot be circumvented. The cost of relocating the utility box would be extremely high and can be avoided by requiring only the area between the Cambria Library and the utility box to be constructed with sidewalk.

Sensitive Resource Area

L. The development will not create significant adverse effects on the natural features of the site or vicinity that were the basis for the Sensitive Resource Area designation and will preserve and protect such features through the site design because the skateboard park has been designed to avoid removal of any Monterey Pine trees. In the event any Monterey Pine trees that are six inches or more in diameter, 4.5 feet above ground are impacted, the applicant shall be subject to a replanting ratio of 3:1.

M. Natural features and topography have been considered in the design and siting of all proposed physical improvements because the project will be located on the flattest portion of the property that was already disturbed for the previous skateboard park.

N. The proposed clearing of topsoil, trees, is the minimum necessary to achieve safe and convenient access and siting of proposed structures and will not create significant adverse effects on the identified sensitive resource, because the project is located on a previously disturbed area of the property, avoids grading on steep slopes, and proposes to remove 4 non-special status trees.



O. The soil and subsoil conditions are suitable for any proposed excavation and site preparation and drainage improvements have been designed to prevent soil erosion, and sedimentation of streams through undue surface runoff, because the project proposes drainage improvements, including a drainage basin, and will ensure historic drainage is not impacted.

Environmentally Sensitive Habitat Areas

P. There will be no significant negative impact on the identified sensitive habitat and the proposed use will be consistent with the biological continuance of the habitat, because the project has been designed to avoid impacts to habitat to the maximum feasible and does not propose to remove any Monterey Pine Trees.

Q. The proposed use will not significantly disturb the habitat, because the project is located within an existing urban developed neighborhood.

Archeological Sensitive Area

R. The site design and development incorporate adequate measures to ensure that archeological resources will be acceptably and sufficiently protected because the proposed project will be located within a previously disturbed area. The project site is located in an Archeologically Sensitive Area. An archaeological surface survey was submitted (Central Coast Archaeological Research Consultants, July 2022). The survey did not find any cultural resources and recommended that no further archaeological studies are necessary. No impacts to significant cultural resources are anticipated and the project is conditioned to cease construction in the event archaeological/cultural resources are discovered during ground-disturbing activities.

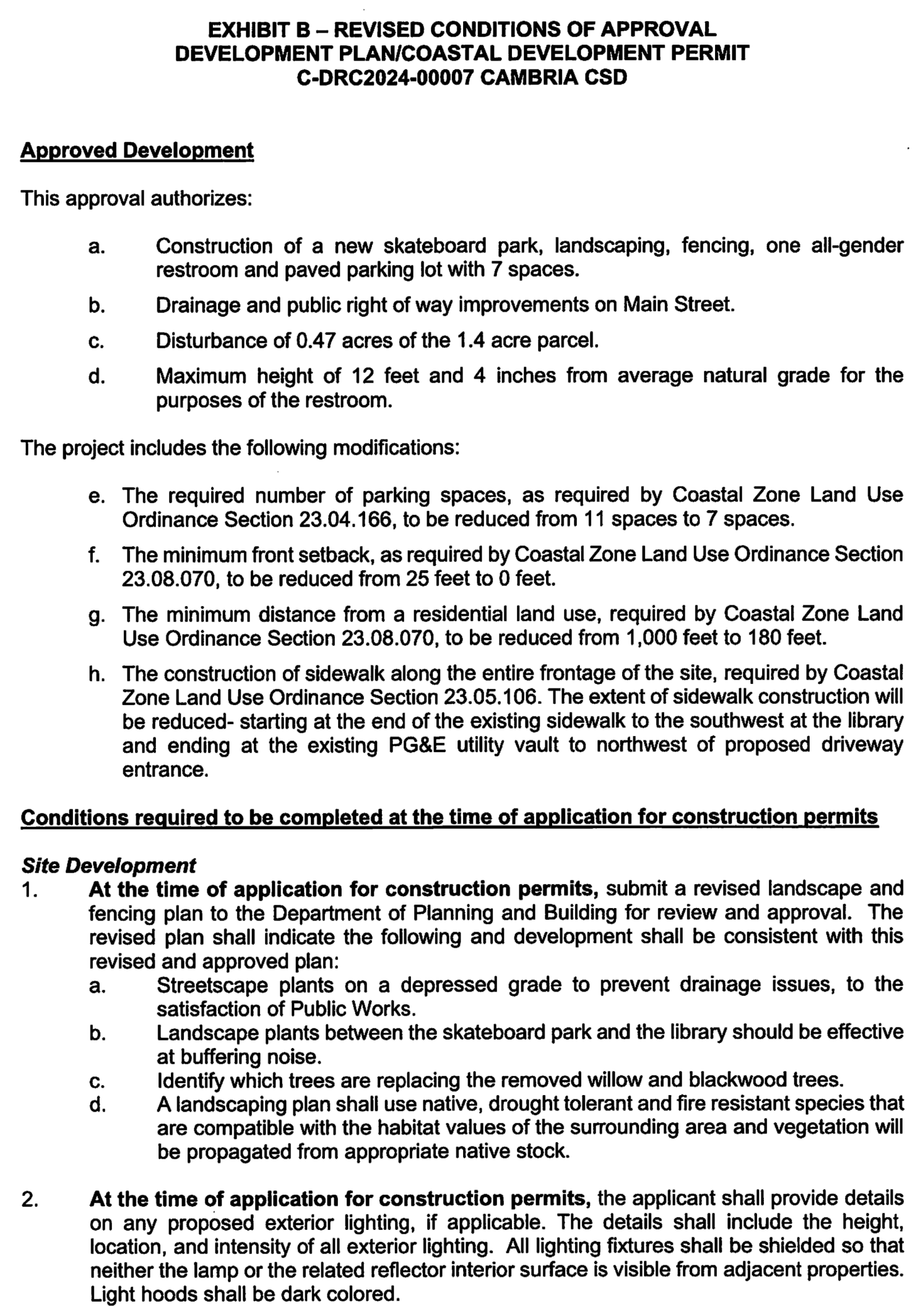


EXHIBIT B – REVISED CONDITIONS OF APPROVAL
DEVELOPMENT PLAN/COASTAL DEVELOPMENT PERMIT
C-DRC2024-00007 CAMBRIA CSD

Approved Development

This approval authorizes:

a. Construction of a new skateboard park, landscaping, fencing, one all-gender restroom and paved parking lot with 7 spaces.
b. Drainage and public right of way improvements on Main Street.
c. Disturbance of 0.47 acres of the 1.4 acre parcel.
d. Maximum height of 12 feet and 4 inches from average natural grade for the purposes of the restroom.

The project includes the following modifications:

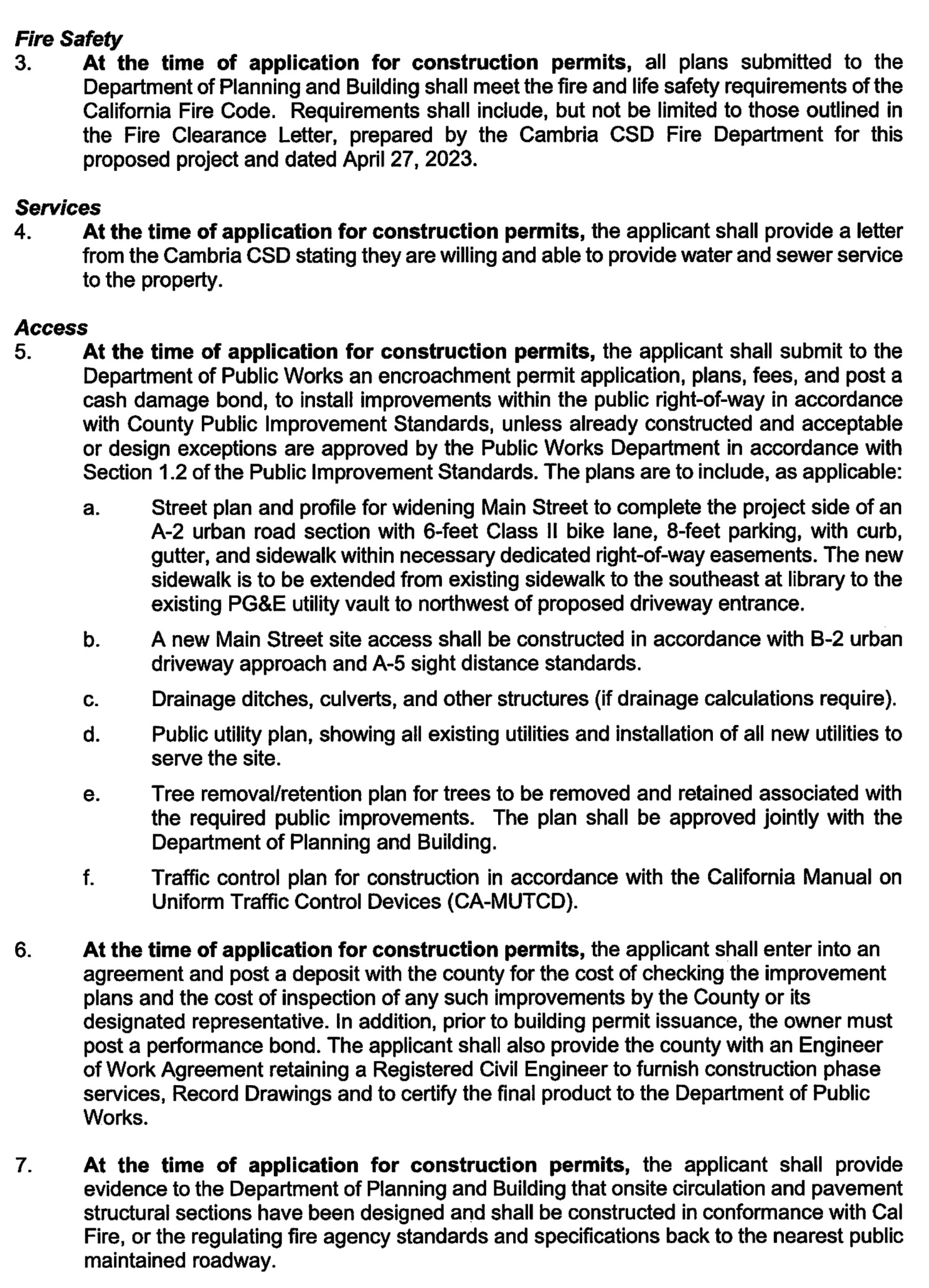
e. The required number of parking spaces, as required by Coastal Zone Land Use Ordinance Section 23.04.166, to be reduced from 11 spaces to 7 spaces.
f. The minimum front setback, as required by Coastal Zone Land Use Ordinance Section 23.08.070, to be reduced from 25 feet to 0 feet.
g. The minimum distance from a residential land use, required by Coastal Zone Land Use Ordinance Section 23.08.070, to be reduced from 1,000 feet to 180 feet.
h. The construction of sidewalk along the entire frontage of the site, required by Coastal Zone Land Use Ordinance Section 23.05.106. The extent of sidewalk construction will be reduced- starting at the end of the existing sidewalk to the southwest at the library and ending at the existing PG&E utility vault to northwest of proposed driveway entrance.

Conditions required to be completed at the time of application for construction permits

Site Development

1. **At the time of application for construction permits,** submit a revised landscape and fencing plan to the Department of Planning and Building for review and approval. The revised plan shall indicate the following and development shall be consistent with this revised and approved plan:
   a. Streetscape plants on a depressed grade to prevent drainage issues, to the satisfaction of Public Works.
   b. Landscape plants between the skateboard park and the library should be effective at buffering noise.
   c. Identify which trees are replacing the removed willow and blackwood trees.
   d. A landscaping plan shall use native, drought tolerant and fire resistant species that are compatible with the habitat values of the surrounding area and vegetation will be propagated from appropriate native stock.

2. **At the time of application for construction permits,** the applicant shall provide details on any proposed exterior lighting, if applicable. The details shall include the height, location, and intensity of all exterior lighting. All lighting fixtures shall be shielded so that neither the lamp or the related reflector interior surface is visible from adjacent properties. Light hoods shall be dark colored.



Fire Safety

3. **At the time of application for construction permits,** all plans submitted to the Department of Planning and Building shall meet the fire and life safety requirements of the California Fire Code. Requirements shall include, but not be limited to those outlined in the Fire Clearance Letter, prepared by the Cambria CSD Fire Department for this proposed project and dated April 27, 2023.

Services

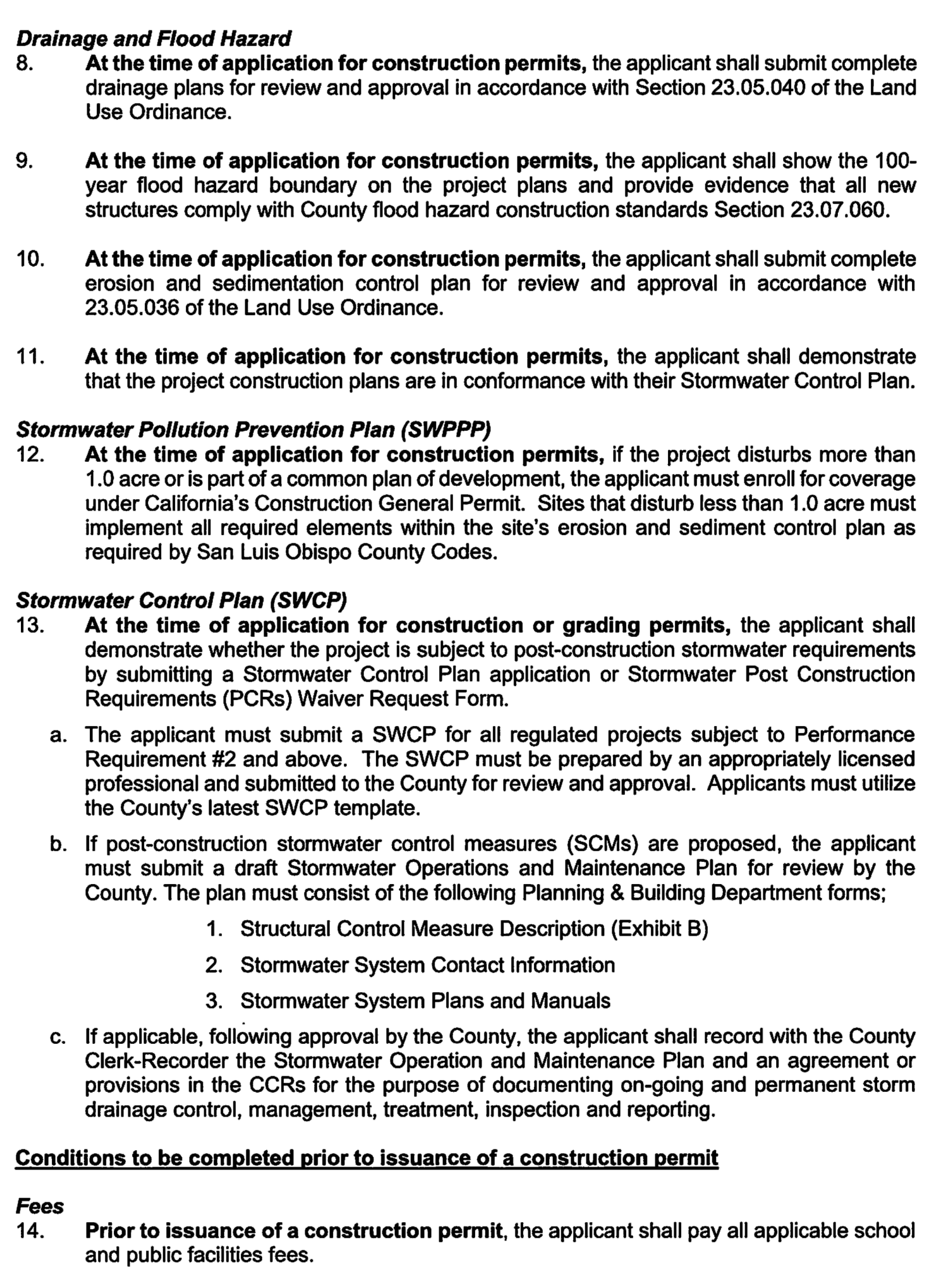
4. **At the time of application for construction permits,** the applicant shall provide a letter from the Cambria CSD stating they are willing and able to provide water and sewer service to the property.

Access

5. **At the time of application for construction permits,** the applicant shall submit to the Department of Public Works an encroachment permit application, plans, fees, and post a cash damage bond, to install improvements within the public right-of-way in accordance with County Public Improvement Standards, unless already constructed and acceptable or design exceptions are approved by the Public Works Department in accordance with Section 1.2 of the Public Improvement Standards. The plans are to include, as applicable:
   a. Street plan and profile for widening Main Street to complete the project side of an A-2 urban road section with 6-feet Class II bike lane, 8-feet parking, with curb, gutter, and sidewalk within necessary dedicated right-of-way easements. The new sidewalk is to be extended from existing sidewalk to the southeast at library to the existing PG&E utility vault to northwest of proposed driveway entrance.
   b. A new Main Street site access shall be constructed in accordance with B-2 urban driveway approach and A-5 sight distance standards.
   c. Drainage ditches, culverts, and other structures (if drainage calculations require).
   d. Public utility plan, showing all existing utilities and installation of all new utilities to serve the site.
   e. Tree removal/retention plan for trees to be removed and retained associated with the required public improvements. The plan shall be approved jointly with the Department of Planning and Building.
   f. Traffic control plan for construction in accordance with the California Manual on Uniform Traffic Control Devices (CA-MUTCD).

6. **At the time of application for construction permits,** the applicant shall enter into an agreement and post a deposit with the county for the cost of checking the improvement plans and the cost of inspection of any such improvements by the County or its designated representative. In addition, prior to building permit issuance, the owner must post a performance bond. The applicant shall also provide the county with an Engineer of Work Agreement retaining a Registered Civil Engineer to furnish construction phase services, Record Drawings and to certify the final product to the Department of Public Works.

7. **At the time of application for construction permits,** the applicant shall provide evidence to the Department of Planning and Building that onsite circulation and pavement structural sections have been designed and shall be constructed in conformance with Cal Fire, or the regulating fire agency standards and specifications back to the nearest public maintained roadway.



Drainage and Flood Hazard

8. **At the time of application for construction permits,** the applicant shall submit complete drainage plans for review and approval in accordance with Section 23.05.040 of the Land Use Ordinance.

9. **At the time of application for construction permits,** the applicant shall show the 100-year flood hazard boundary on the project plans and provide evidence that all new structures comply with County flood hazard construction standards Section 23.07.060.

10. **At the time of application for construction permits,** the applicant shall submit complete erosion and sedimentation control plan for review and approval in accordance with 23.05.036 of the Land Use Ordinance.

11. **At the time of application for construction permits,** the applicant shall demonstrate that the project construction plans are in conformance with their Stormwater Control Plan.

Stormwater Pollution Prevention Plan (SWPPP)

12. **At the time of application for construction permits,** if the project disturbs more than 1.0 acre or is part of a common plan of development, the applicant must enroll for coverage under California's Construction General Permit. Sites that disturb less than 1.0 acre must implement all required elements within the site's erosion and sediment control plan as required by San Luis Obispo County Codes.

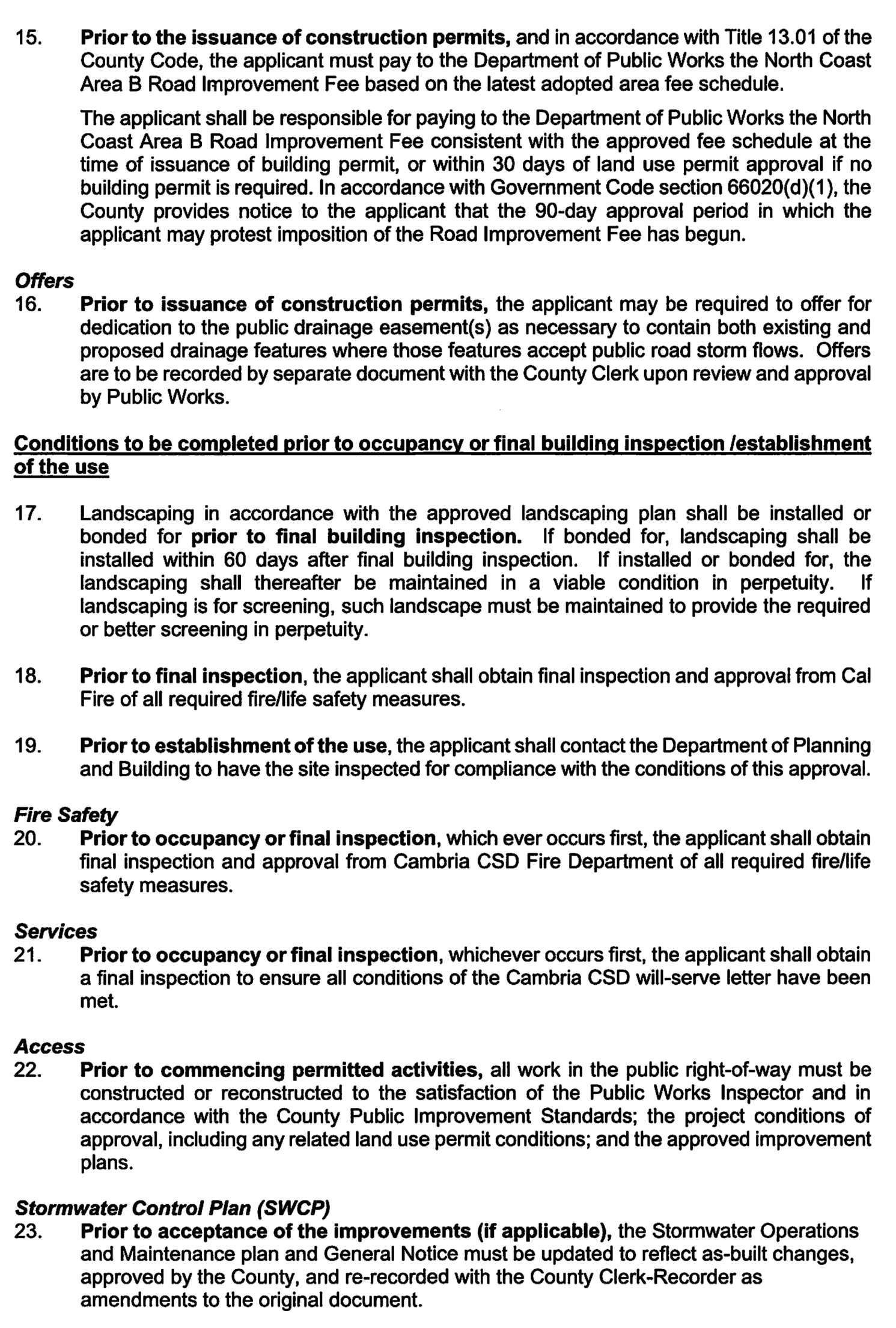
Stormwater Control Plan (SWCP)

13. **At the time of application for construction or grading permits,** the applicant shall demonstrate whether the project is subject to post-construction stormwater requirements by submitting a Stormwater Control Plan application or Stormwater Post Construction Requirements (PCRs) Waiver Request Form.
   a. The applicant must submit a SWCP for all regulated projects subject to Performance Requirement #2 and above. The SWCP must be prepared by an appropriately licensed professional and submitted to the County for review and approval. Applicants must utilize the County's latest SWCP template.
   b. If post-construction stormwater control measures (SCMs) are proposed, the applicant must submit a draft Stormwater Operations and Maintenance Plan for review by the County. The plan must consist of the following Planning & Building Department forms;
      1. Structural Control Measure Description (Exhibit B)
      2. Stormwater System Contact Information
      3. Stormwater System Plans and Manuals
   c. If applicable, following approval by the County, the applicant shall record with the County Clerk-Recorder the Stormwater Operation and Maintenance Plan and an agreement or provisions in the CCRs for the purpose of documenting on-going and permanent storm drainage control, management, treatment, inspection and reporting.

Conditions to be completed prior to issuance of a construction permit

Fees

14. **Prior to issuance of a construction permit**, the applicant shall pay all applicable school and public facilities fees.



15. **Prior to the issuance of construction permits,** and in accordance with Title 13.01 of the County Code, the applicant must pay to the Department of Public Works the North Coast Area B Road Improvement Fee based on the latest adopted area fee schedule.

    The applicant shall be responsible for paying to the Department of Public Works the North Coast Area B Road Improvement Fee consistent with the approved fee schedule at the time of issuance of building permit, or within 30 days of land use permit approval if no building permit is required. In accordance with Government Code section 66020(d)(1), the County provides notice to the applicant that the 90-day approval period in which the applicant may protest imposition of the Road Improvement Fee has begun.

Offers

16. **Prior to issuance of construction permits,** the applicant may be required to offer for dedication to the public drainage easement(s) as necessary to contain both existing and proposed drainage features where those features accept public road storm flows. Offers are to be recorded by separate document with the County Clerk upon review and approval by Public Works.

Conditions to be completed prior to occupancy or final building inspection /establishment of the use

17. Landscaping in accordance with the approved landscaping plan shall be installed or bonded for **prior to final building inspection.** If bonded for, landscaping shall be installed within 60 days after final building inspection. If installed or bonded for, the landscaping shall thereafter be maintained in a viable condition in perpetuity. If landscaping is for screening, such landscape must be maintained to provide the required or better screening in perpetuity.

18. **Prior to final inspection**, the applicant shall obtain final inspection and approval from Cal Fire of all required fire/life safety measures.

19. **Prior to establishment of the use**, the applicant shall contact the Department of Planning and Building to have the site inspected for compliance with the conditions of this approval.

Fire Safety

20. **Prior to occupancy or final inspection**, which ever occurs first, the applicant shall obtain final inspection and approval from Cambria CSD Fire Department of all required fire/life safety measures.

Services

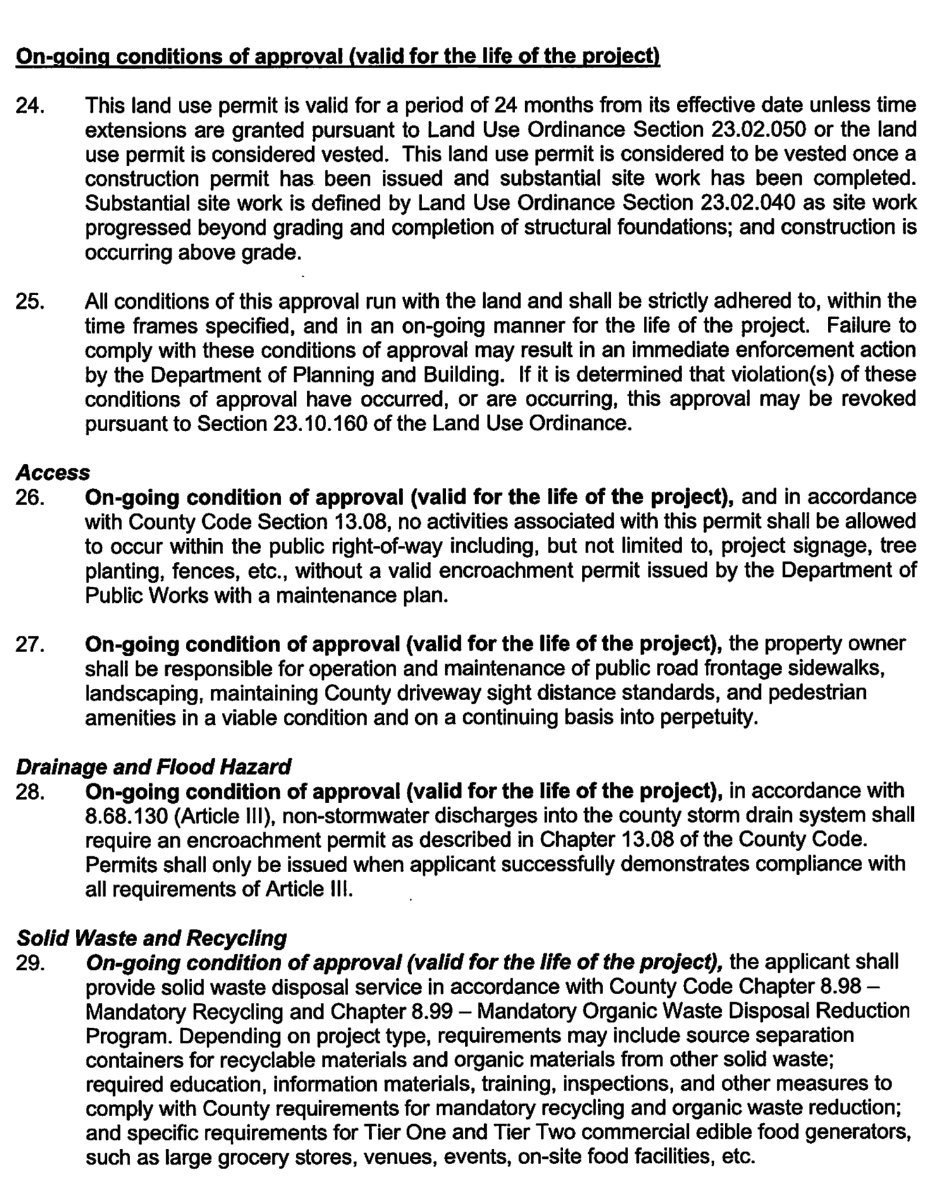
21. **Prior to occupancy or final inspection**, whichever occurs first, the applicant shall obtain a final inspection to ensure all conditions of the Cambria CSD will-serve letter have been met.

Access

22. **Prior to commencing permitted activities,** all work in the public right-of-way must be constructed or reconstructed to the satisfaction of the Public Works Inspector and in accordance with the County Public Improvement Standards; the project conditions of approval, including any related land use permit conditions; and the approved improvement plans.

Stormwater Control Plan (SWCP)

23. **Prior to acceptance of the improvements (if applicable),** the Stormwater Operations and Maintenance plan and General Notice must be updated to reflect as-built changes, approved by the County, and re-recorded with the County Clerk-Recorder as amendments to the original document.



On-going conditions of approval (valid for the life of the project)

24. This land use permit is valid for a period of 24 months from its effective date unless time extensions are granted pursuant to Land Use Ordinance Section 23.02.050 or the land use permit is considered vested. This land use permit is considered to be vested once a construction permit has been issued and substantial site work has been completed. Substantial site work is defined by Land Use Ordinance Section 23.02.040 as site work progressed beyond grading and completion of structural foundations; and construction is occurring above grade.

25. All conditions of this approval run with the land and shall be strictly adhered to, within the time frames specified, and in an on-going manner for the life of the project. Failure to comply with these conditions of approval may result in an immediate enforcement action by the Department of Planning and Building. If it is determined that violation(s) of these conditions of approval have occurred, or are occurring, this approval may be revoked pursuant to Section 23.10.160 of the Land Use Ordinance.

Access

26. **On-going condition of approval (valid for the life of the project),** and in accordance with County Code Section 13.08, no activities associated with this permit shall be allowed to occur within the public right-of-way including, but not limited to, project signage, tree planting, fences, etc., without a valid encroachment permit issued by the Department of Public Works with a maintenance plan.

27. **On-going condition of approval (valid for the life of the project),** the property owner shall be responsible for operation and maintenance of public road frontage sidewalks, landscaping, maintaining County driveway sight distance standards, and pedestrian amenities in a viable condition and on a continuing basis into perpetuity.

Drainage and Flood Hazard

28. **On-going condition of approval (valid for the life of the project),** in accordance with 8.68.130 (Article III), non-stormwater discharges into the county storm drain system shall require an encroachment permit as described in Chapter 13.08 of the County Code. Permits shall only be issued when applicant successfully demonstrates compliance with all requirements of Article III.

Solid Waste and Recycling

29. ***On-going condition of approval (valid for the life of the project),*** the applicant shall provide solid waste disposal service in accordance with County Code Chapter 8.98 – Mandatory Recycling and Chapter 8.99 – Mandatory Organic Waste Disposal Reduction Program. Depending on project type, requirements may include source separation containers for recyclable materials and organic materials from other solid waste; required education, information materials, training, inspections, and other measures to comply with County requirements for mandatory recycling and organic waste reduction; and specific requirements for Tier One and Tier Two commercial edible food generators, such as large grocery stores, venues, events, on-site food facilities, etc.

PLAN PREPARED BY:

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805.706.0401 | www.civil-studio.com

ENGINEER OF RECORD:

REGISTERED PROFESSIONAL ENGINEER
MONTE R SOTO
No. 74736
CIVIL
STATE OF CALIFORNIA

PROJECT NAME:
CAMBRIA SKATE PARK

PROJECT LOCATION:
975 MAIN STREET
CAMBRIA, CA 93428
APN: 013-101-072

PLANS PREPARED FOR:
CAMBRIA COMMUNITY SERVICES DISTRICT
1316 TAMSON DRIVE, SUITE 201
CAMBRIA, CA 93428

REVISIONS:
1 1ST PLAN CHECK CORRECTIONS
2 2ND PLAN CHECK CORRECTIONS
3 3RD PLAN CHECK CORRECTIONS

REVIEWED BY: MRS
PREPARED BY: JTI
DATE: MARCH 10, 2025
CDS JOB #: 22-011

CONDITIONS OF APPROVAL

C101

SHEET 2 OF 8 SHEETS

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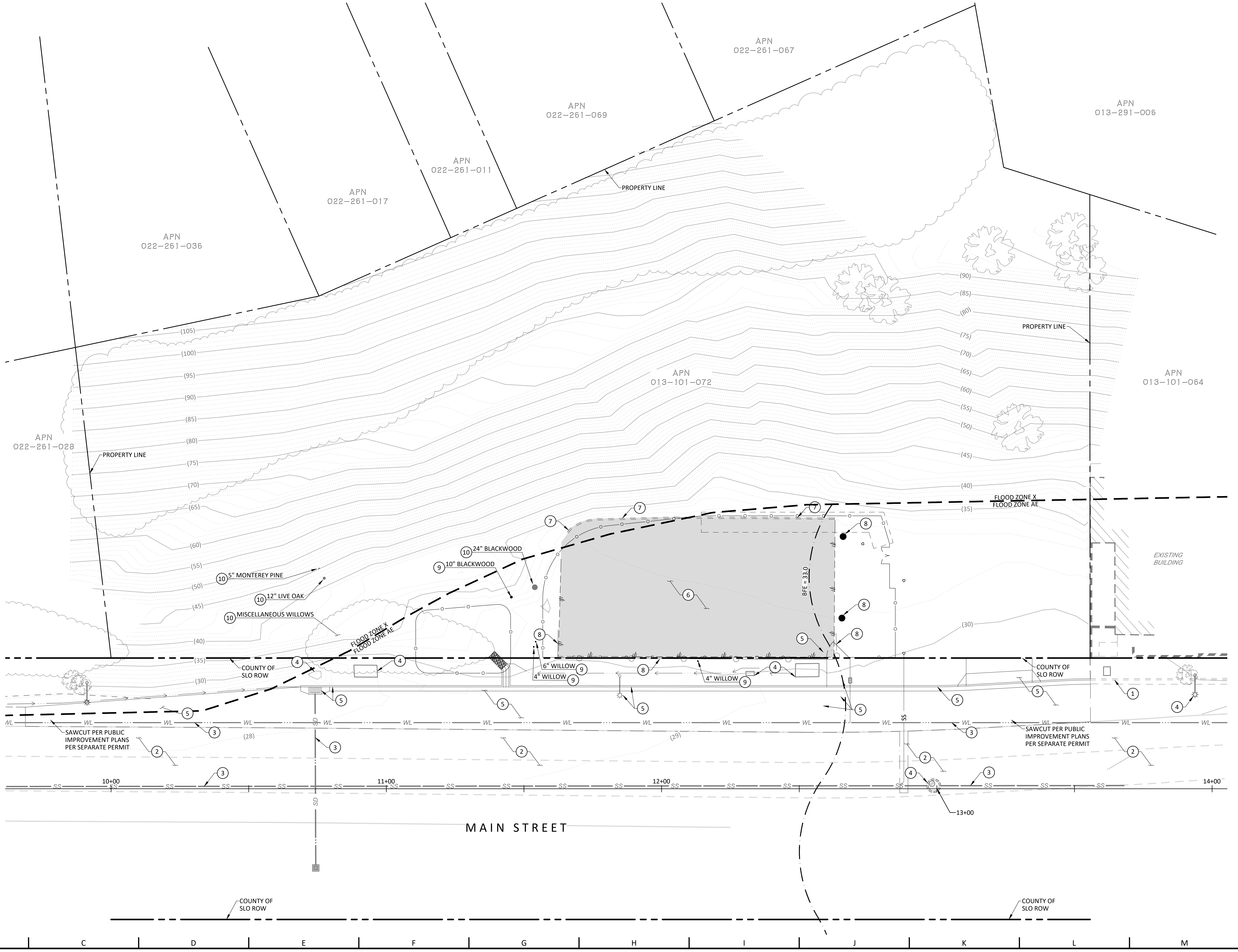
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APN 022-261-036
APN 013-291-006
APN 013-101-072
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APN 022-261-028
PROPERTY LINE
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FLOOD ZONE X
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FLOOD ZONE X
FLOOD ZONE AE
EXISTING BUILDING
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10 24" BLACKWOOD
9 10" BLACKWOOD
10 5" MONTEREY PINE
10 12" LIVE OAK
10 MISCELLANEOUS WILLOWS
6" WILLOW 9
4" WILLOW 9
4" WILLOW 9
COUNTY OF SLO ROW
COUNTY OF SLO ROW
SAWCUT PER PUBLIC IMPROVEMENT PLANS PER SEPARATE PERMIT
SAWCUT PER PUBLIC IMPROVEMENT PLANS PER SEPARATE PERMIT
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MAIN STREET
COUNTY OF SLO ROW
COUNTY OF SLO ROW

EXISTING TOPOGRAPHIC NOTES

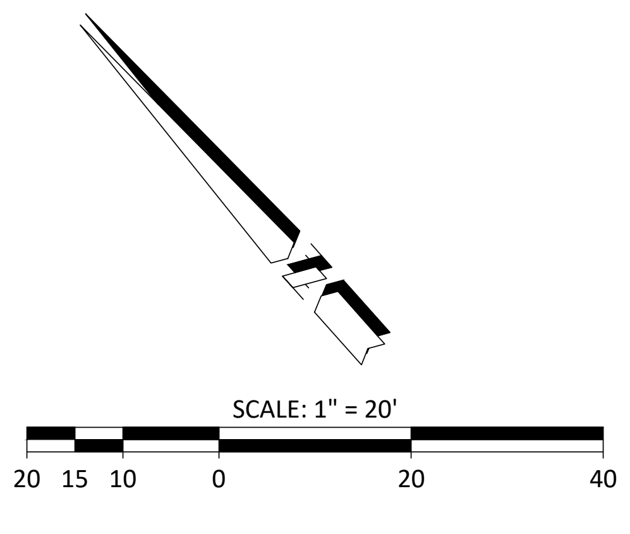
①	EXISTING CURB, GUTTER, AND SIDEWALK - PROTECT IN PLACE
②	EXISTING ASPHALT - PROTECT IN PLACE
③	EXISTING UTILITY LINE - PROTECT IN PLACE
④	EXISTING UTILITY FEATURE - PROTECT IN PLACE
⑤	EXISTING IMPROVEMENTS PER PUBLIC IMPROVEMENT PLANS PER SEPARATE PERMIT
⑥	EXISTING ASPHALT - REMOVE AND DISPOSE OF
⑦	EXISTING CURB - REMOVE AND DISPOSE OF
⑧	EXISTING FENCE - REMOVE AND DISPOSE OF
⑨	EXISTING TREE - REMOVE AND DISPOSE OF
⑩	EXISTING TREE - PROTECT IN PLACE

DEMOLITION GENERAL NOTES

1. UTILITIES: THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS AND BEST RECOLLECTION OF FACILITY STAFF, THE CIVIL ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES NOR FOR UTILITY OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK OR POT HOLE TO DETERMINE THE EXACT LOCATIONS OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OR PROTECTION OF ALL EXISTING UTILITY LINES.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF THE SITE AND SHALL REMOVE AND DISPOSE OF ALL STRUCTURES ABOVE AND OR BELOW GROUND UNLESS OTHERWISE NOTED. ANY HAZARDOUS MATERIALS ENCOUNTERED SHALL BE HANDLED AND REMOVED AS REQUIRED BY LOCAL AND/OR STATE LAWS AT NO COST TO THE OWNER.
3. THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DAMAGE TO EXISTING HARDSCAPE IMPROVEMENTS, UTILITY FACILITIES, AND LANDSCAPING FEATURES THAT ARE NOT AFFECTED BY THESE PLANS.
4. ALL JOIN LINES SHALL BE SAW CUT ON A NEAT, STRAIGHT LINE PARALLEL WITH THE JOIN. THE CUT EDGE SHALL BE PROTECTED FROM CRUSHING, AND ALL BROKEN EDGES SHALL BE RECUT PRIOR TO JOINING.
5. ALL EXISTING OBJECTIONABLE MATERIALS THAT CONFLICT WITH PROPOSED IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, BUILDING FOUNDATIONS, UTILITIES AND APPURTENANCES, TREES, SIGNS, AND STRUCTURES, ETC. SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR AT NO COST TO THE OWNER, UNLESS OTHERWISE INDICATED HEREIN, OR AS DIRECTED BY THE CONSTRUCTION MANAGER.
6. THE CONTRACTOR SHALL PROTECT ALL EXISTING STREETS FROM DAMAGES CAUSED BY HIS OPERATIONS. ANY CURBS DAMAGED DURING HIS OPERATIONS SHALL BE SAWCUT AND REPLACED AT NO COST TO THE OWNER. ANY EXISTING PAVING IDENTIFIED AS POTENTIALLY NEEDING TO BE REPLACED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNERS REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.
7. THE CONTRACTOR SHALL PERFORM AND BE RESPONSIBLE FOR ALL CLEARING AND GRUBBING OPERATIONS AS NECESSARY TO COMPLETE THE WORK, INCLUDING TRANSPORTATION AND DISPOSAL OF ALL REMOVED MATERIALS, AND ALL ASSOCIATED COSTS.

LEGEND

▨	⑥ ASPHALT DEMOLITION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ENGINEER OF RECORD:

MONTE R SOTO
No. 74736
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△3	3RD PLAN CHECK CORRECTIONS

REVIEWED BY: MRS
PREPARED BY: JTI
DATE: MARCH 10, 2025
CDS JOB #: 22-011

EXISTING CONDITIONS AND DEMOLITION PLAN

C200

SHEET 3 OF 8 SHEETS

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NOTE:
ALL EXTERIOR LIGHTING ON THE PROPOSED BUILDING SHALL BE DIRECTED DOWNWARD TO MAINTAIN NIGHT SKY VISIBILITY AND SHALL COMPLY WITH SLO COUNTY TITLE 23.04.320. IN ADDITION, CONTRACTOR SHALL VERIFY THAT THE FINAL INSTALLATION OF ANY EXTERIOR LIGHTING RESULTS IN PRESERVATION OF NIGHT SKY VISIBILITY TO THE MAXIMUM EXTENT POSSIBLE.

PUBLIC IMPROVEMENTS NOTE:
FRONTAGE IMPROVEMENTS ARE PROPOSED WITH THIS PROJECT. THE CONTRACTOR SHALL COMPLETE ALL PUBLIC IMPROVEMENTS (PER SEPARATE PLAN AND ENCROACHMENT PERMIT) PRIOR TO OCCUPANCY OF THE PROJECT. REFERENCE PUBLIC IMPROVEMENT PLANS FOR CONSTRUCTION DETAILS WITHIN THE PUBLIC RIGHT OF WAY.

1

SOIL PREPARATION AND PAVEMENT DESIGN NOTE:

SOIL PREPARATION AND PAVEMENT DESIGN SHALL BE PER RECOMMENDATIONS FROM A GEOTECHNICAL REPORT PREPARED FOR THIS SITE AS FOLLOWS:

TITLED "SOILS ENGINEERING REPORT - MAIN STREET SKATE PARK - APN: 013-101-072, CAMBRIA AREA - SAN LUIS OBISPO COUNTY, CALIFORNIA" AND DATED AUGUST 17, 2021

GEOTECHNICAL ENGINEER:	KRAIG CROZIER, GEOSOLUTIONS, INC.
PROJECT NO:	SL12170-1

THE CONTRACTOR MUST FULLY REVIEW THIS REPORT PRIOR TO CONSTRUCTION. INFORMATION IN THE GEOTECHNICAL REPORT REGARDING GRADING AND SITE PREPARATION SUPERSEDES ANY CONFLICTING INFORMATION CONTAINED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS. REFER TO GENERAL STRUCTURAL NOTES FOR SPECIFIC SOIL PREPARATION AT SITE STRUCTURES. REFER TO THE CIVIL SITE PLAN FOR PAVING CROSS SECTIONS.

SOIL PREPARATION AND PAVEMENT DESIGN NOTE:

SOIL PREPARATION AND PAVEMENT DESIGN SHALL BE PER RECOMMENDATIONS FROM A GEOLOGY REPORT PREPARED FOR THIS SITE AS FOLLOWS:

TITLED "ENGINEERING GEOLOGY INVESTIGATION" AND DATED SEPTEMBER 9, 2022

ENGINEERING GEOLOGIST:	JEFFREY PFOST, GEOSOLUTIONS, INC.
PROJECT NO:	SL12170-2

THE CONTRACTOR MUST FULLY REVIEW THIS REPORT PRIOR TO CONSTRUCTION. INFORMATION IN THE GEOTECHNICAL REPORT REGARDING GRADING AND SITE PREPARATION SUPERSEDES ANY CONFLICTING INFORMATION CONTAINED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS. REFER TO GENERAL STRUCTURAL NOTES FOR SPECIFIC SOIL PREPARATION AT SITE STRUCTURES. REFER TO THE CIVIL SITE PLAN FOR PAVING CROSS SECTIONS.

GRADING PLAN NOTES

CONCRETE CURBS AND/OR GUTTERS THAT HAVE BEEN CONSTRUCTED AT LESS THAN 0.5% SHALL BE PUDDLE TESTED TO VERIFY CORRECT DRAINAGE. CONTRACTOR SHALL REMOVE AND REPLACE SECTIONS OF CURB THAT DO NOT COMPLY WITH THIS PLAN. MAXIMUM ACCEPTABLE POND LENGTH SHALL BE 2'. MAXIMUM POND DEPTH SHALL BE .02'

MAXIMUM SLOPE IN ALL ADA PARKING STALLS AND LOADING AREAS SHALL BE 2.0% MAXIMUM IN ANY DIRECTION.

LEGEND

▩	⑪	ASPHALT
▨	⑫	CONCRETE IN DRIVE AISLE
☐	⑬	CONCRETE IN PEDESTRIAN AREA
▦	㉑	DETECTABLE WARNING SURFACE

CONSTRUCTION NOTES

⑪ CONSTRUCT A MINIMUM 3" OF 3/4" TYPE "A" A.C. PAVING OVER 6" OF CLASS 2 BASE PER SOILS REPORT. NATIVE SUBGRADE SCARIFIED TO A MINIMUM OF 12" AND COMPACTED TO 95% RELATIVE COMPACTION PER SOILS REPORT. SEE DETAIL "B1", SHEET C801 FOR TYPICAL SECTION. SOILS ENGINEER HAS NOT PROVIDED AN R VALUE DURING THE DESIGN PHASE. CONTRACTOR SHALL CONFIRM THIS STRUCTURAL SECTION WITH THE SOILS ENGINEER PRIOR TO PERFORMING THE WORK. HOT MIX ASPHALT SHALL CONFORM TO SECTION 39 OF THE STATE SPECIFICATIONS. ASPHALT BINDER SHALL CONFORM TO PG 64-10 AS SPECIFIED IN SECTION 92 OF THE STATE STANDARD SPECIFICATIONS

⑫ CONSTRUCT 6" P.C.C. (520-C-2500) OVER 6" CLASS 2 BASE WITH THICKENED EDGE AT PERIMETER PER SOILS REPORT. REBAR REINFORCEMENT SHALL BE #4 @ 18" O.C. NATIVE SUBGRADE SCARIFIED TO A MINIMUM OF 12" AND COMPACTED TO 95% RELATIVE COMPACTION PER SOILS REPORT. SEE DETAIL "B2", SHEET C801 FOR THICKENED EDGE DETAIL AND TYPICAL CROSS SECTION

⑬ CONSTRUCT 4" P.C.C. (520-C-2500) OVER 6" CLASS 2 BASE WITH THICKENED EDGE AT PERIMETER PER SOILS REPORT. REBAR REINFORCEMENT SHALL BE #4 @ 18" O.C. NATIVE SUBGRADE SCARIFIED TO A MINIMUM OF 12" AND COMPACTED TO 95% RELATIVE COMPACTION PER SOILS REPORT. SEE DETAIL "B3", SHEET C801 FOR THICKENED EDGE DETAIL AND TYPICAL CROSS SECTION

⑭ CONSTRUCT 0" CONCRETE CURB PER DETAIL "C0", SHEET C801

⑮ CONSTRUCT 6" CONCRETE CURB PER DETAIL "C1", SHEET C801

⑯ CONSTRUCT CONCRETE CURB AND GUTTER PER DETAIL "C2", SHEET C801

⑰ CONSTRUCT 48" CONCRETE V-GUTTER PER DETAIL "C3", SHEET C801

⑱ CONSTRUCT CURB CUT WITH TRANSITION PER DETAIL "C4", SHEET C801

⑲ CONSTRUCT ACCESSIBLE STALL WITH STRIPING AND VAN ACCESSIBLE SIGNAGE PER DETAILS "A1", "A2", AND "A4", SHEET C800. PAVEMENT MAXIMUM SLOPE IN ANY DIRECTION SHALL NOT EXCEED 2%

⑳ FURNISH AND INSTALL PARKING ENTRANCE NOTIFICATION SIGN PER DETAIL "A3", SHEET C800

㉑ FURNISH AND INSTALL DETECTABLE WARNING SURFACE (TRUNCATED DOMES) PER DETAIL "A5", SHEET C800

㉒ CONSTRUCT ROCK SLOPE PROTECTION PER COUNTY OF SAN LUIS OBISPO STANDARD DRAWING NO. H-5

㉓ CONSTRUCT ROCK LINED SWALE (STEEP SLOPE) PER DETAIL "D0", SHEET C801

㉔ CONSTRUCT ROCK LINED SWALE PER DETAIL "D1", SHEET C801

㉕ CONSTRUCT EARTHEN SWALE PER DETAIL "D2", SHEET C801

㉖ PAINT 4" WIDE WHITE PARKING STRIPE.

㉗ CONSTRUCT ARCHITECTURAL SKATE PARK FEATURE PER SEPARATE PLAN

㉘ INSTALL PRE-MANUFACTURERED BATHROOM BUILDING WITH HCD TAG, PUBLIC RESTROOM COMPANY PS-011 (OR APPROVED EQUAL). BUILDING SHALL BE FLOOD PROOF IN COMPLIANCE WITH FEMA REQUIREMENTS. SEE DETAIL "F", SHEET C802. BUILDING PAD PREPARATION SHALL COMPLY WITH SECTION 7.1.2 OF THE PROJECT SOILS REPORT. 1

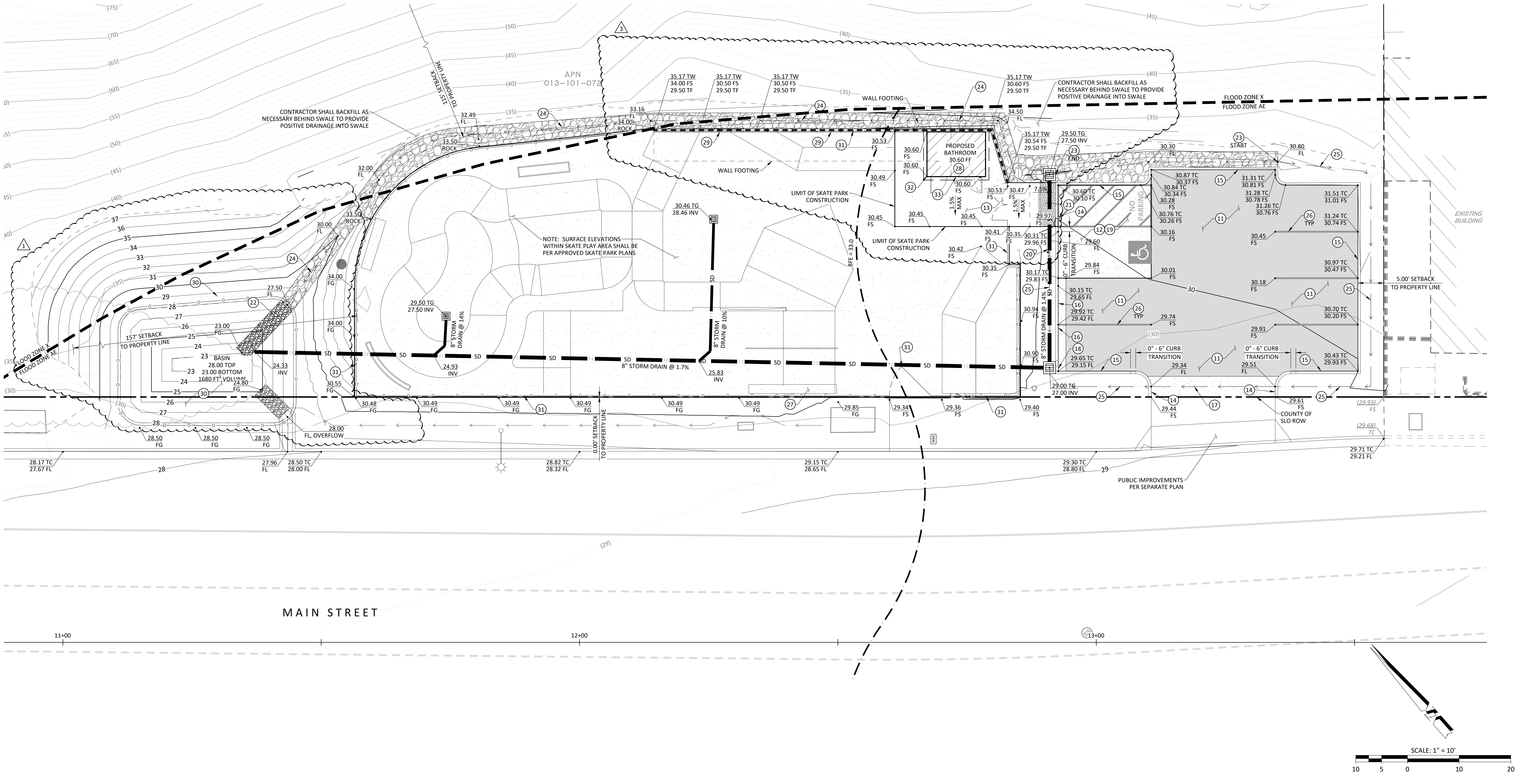
㉙ CONSTRUCT RETAINING WALL PER DETAIL "E1", SHEET C801

㉚ CONSTRUCT DEEP BASIN PER COUNTY OF SAN LUIS OBISPO STANDARD DRAWING NO. D-1. OMIT RAMP

㉛ BID ALTERNATE - CONTRACTOR TO PROVIDE OPTION FOR FENCE WITH TWO GATES AS SHOWN. FENCE TYPE PER LANDSCAPE ARCHITECT.

㉜ FURNISH AND INSTALL W R MEADWOS DECK-O-FOAM (OR APPROVED EQUAL) FOAM EXPANSION JOINT AT PERIMETER OF THE BUILDING. VERIFY FOAM COMPLETELY COVERS ALL EXPOSED PORTIONS OF THE BUILDING FOUNDATION PRIOR TO POURING CONCRETE SLAB. FILL REMOVABLE SURFACE STRIP WITH SIKAFLEX SEALANT (OR APPROVED EQUAL)

㉝ EXTERIOR LIGHTING ON THE PROPOSED BUILDING SHALL BE DIRECTED DOWNWARD TO MAINTAIN NIGHT SKY VISIBILITY AND SHALL COMPLY WITH SLO COUNTY TITLE 23.04.320. INSTALL LUMINAIRE LED AEL 12, 10 WATT, 4000K (OR APPROVED EQUAL) 1



CONTRACTOR SHALL BACKFILL AS NECESSARY BEHIND SWALE TO PROVIDE POSITIVE DRAINAGE INTO SWALE

NOTE: SURFACE ELEVATIONS WITHIN SKATE PLAY AREA SHALL BE PER APPROVED SKATE PARK PLANS

PUBLIC IMPROVEMENTS PER SEPARATE PLAN

Z:\Shared\CDS Data\Active Jobs\22-011 Cambria Skate Park PIP_Project\3_Condocs\22-011 Grading Plan.dwg, March 11, 2026

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REVIEWED BY:	MRS
PREPARED BY:	JTI
DATE:	MARCH 10, 2025
CDS JOB #:	22-011

GRADING PLAN

C400

SHEET 4 OF 8 SHEETS

NOTE:
ALL EXTERIOR LIGHTING ON THE PROPOSED BUILDING SHALL BE DIRECTED DOWNWARD TO MAINTAIN NIGHT SKY VISIBILITY AND SHALL COMPLY WITH SLO COUNTY TITLE 23.04.320. IN ADDITION, CONTRACTOR SHALL VERIFY THAT THE FINAL INSTALLATION OF ANY EXTERIOR LIGHTING RESULTS IN PRESERVATION OF NIGHT SKY VISIBILITY TO THE MAXIMUM EXTENT POSSIBLE.

UTILITY CONSTRUCTION NOTES

(41) FURNISH AND INSTALL 8" PVC SDR 35 STORM DRAIN PIPE (s = 0.005 MINIMUM)

3 (42) AREA DRAIN. REFERENCE SPOHN RANCH SKATE PARK PLANS FOR THIS PROJECT FOR MATERIAL SPECIFICATIONS.

(43) FURNISH AND INSTALL 18" MID STATE CONCRETE SQUARE CATCH BASIN (OR APPROVED EQUAL) PER MANUFACTURERS DETAILS.

NOTES 46 TO 50 NOT USED

(51) EXISTING SANITARY SEWER MANHOLE - PROTECT IN PLACE

(52) EXISTING SANITARY SEWER SERVICE LATERAL PER PUBLIC IMPROVEMENT PLANS PER SEPARATE PERMIT

(53) FURNISH AND INSTALL 4" PVC SDR 35 SANITARY SEWER LINE (S = 0.020 MINIMUM)

(54) CONSTRUCT SANITARY SEWER CLEANOUT PER DETAIL, THIS SHEET

NOTE 55 TO 60 NOT USED

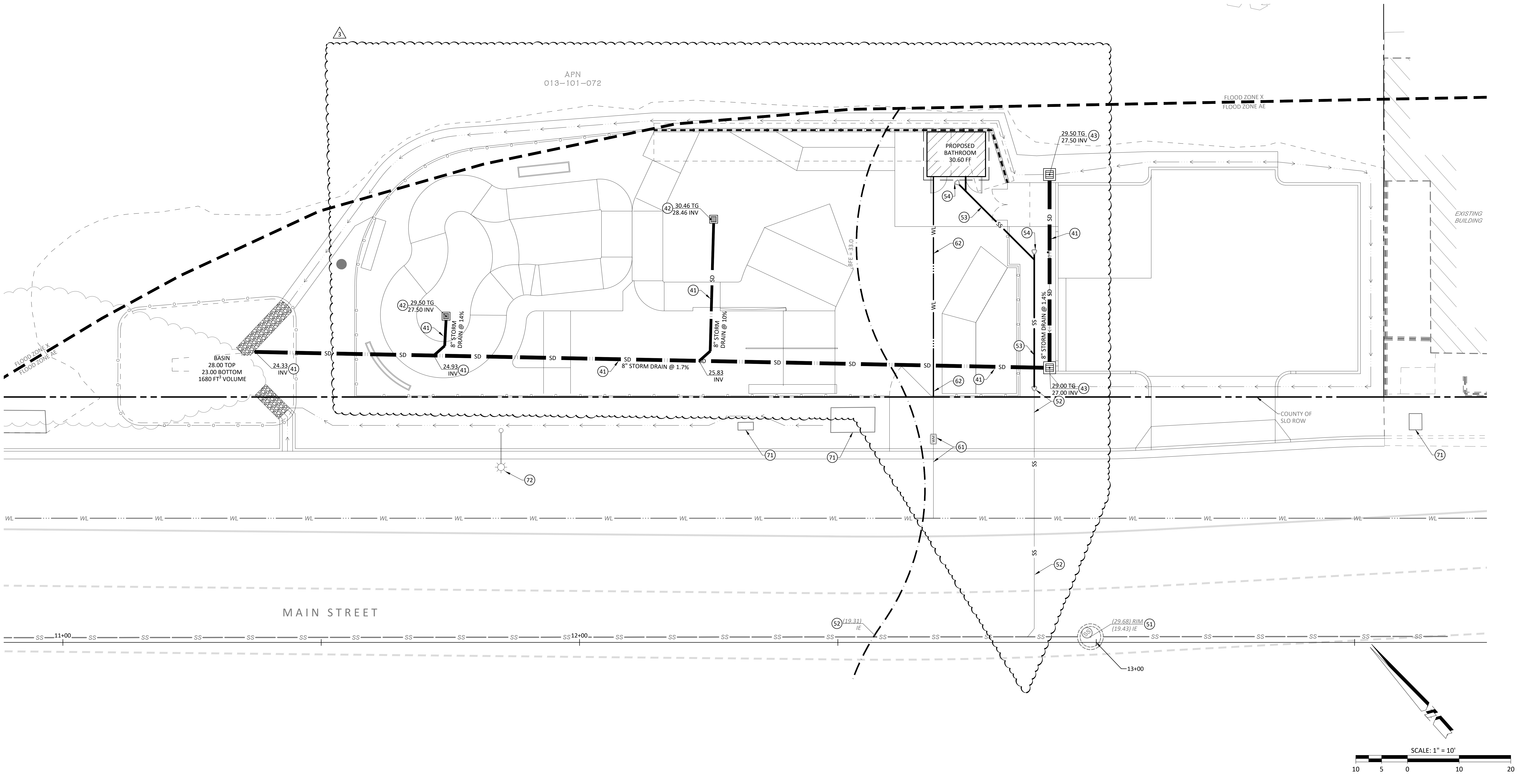
(61) EXISTING 1" WATER SERVICE CONNECTION PER PUBLIC IMPROVEMENT PLANS PER SEPARATE PERMIT

(62) FURNISH AND INSTALL 1" SCHEDULE 80 PVC WATER LINE

NOTE 63 TO 70 NOT USED

(71) EXISTING UTILITY VAULT - PROTECT IN PLACE

(72) RELOCATED STREET LIGHT PER PUBLIC IMPROVEMENT PLANS PER SEPARATE PERMIT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APN
013-101-072
FLOOD ZONE X
FLOOD ZONE AE
BASIN
28.00 TOP
23.00 BOTTOM
1680 FT³ VOLUME
24.33 INV (41)
(42) 29.50 TG 27.50 INV
(41)
8" STORM DRAIN @ 14%
24.93 INV (41)
(42) 30.46 TG 28.46 INV
(41)
8" STORM DRAIN @ 10%
(41) 8" STORM DRAIN @ 1.7%
25.83 INV
SD
BFE = 33.0
PROPOSED BATHROOM 30.60 FF
(54)
(53)
SS
WL
(62)
(54)
(41)
8" STORM DRAIN @ 1.4%
(53)
(62)
(41)
29.50 TG 27.50 INV (43)
29.00 TG 27.00 INV (43)
(52)
WM
(61)
EXISTING BUILDING
COUNTY OF SLO ROW
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(71)
(71)
(72)
MAIN STREET
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12+00
13+00
(52) (19.31) IE
(29.68) RIM (19.43) IE (51)
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SS
SCALE: 1" = 10'
10 5 0 10 20

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REVISIONS:

1	1ST PLAN CHECK CORRECTIONS
2	2ND PLAN CHECK CORRECTIONS
3	3RD PLAN CHECK CORRECTIONS

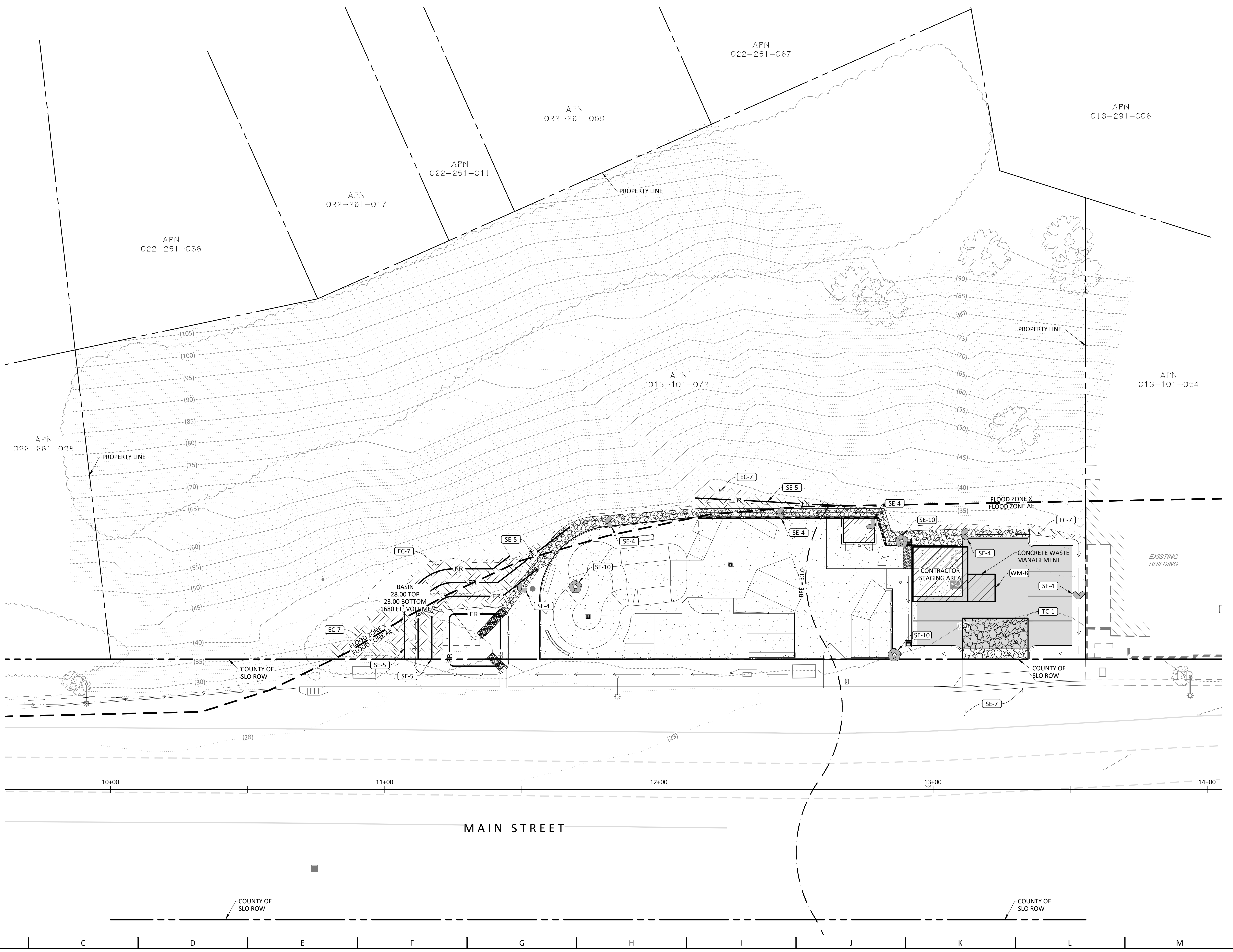
REVIEWED BY:	MRS
PREPARED BY:	JTI
DATE:	MARCH 10, 2025
CDS JOB #:	22-011

UTILITY PLAN

C500

SHEET 5 OF 8 SHEETS

Z:\Shared\CDS Data\Active Jobs\22-011 Cambria Skate Park PIP_Project\3_Condocs\22-011 Utility Plan.dwg, March 11, 2026



SCALE: 1" = 20'

20 15 10 0 20 40

EROSION CONTROL NOTES

1. EROSION CONTROL MEASURES FOR WIND, WATER, MATERIAL STOCKPILES, AND TRACKING SHALL BE IMPLEMENTED ON ALL PROJECTS AT ALL TIMES AND SHALL INCLUDE SOURCE CONTROL, INCLUDING PROTECTION OF STOCKPILES, PROTECTION OF SLOPES, PROTECTION OF ALL DISTURBED AREAS, PROTECTION OF ACCESSES, AND PERIMETER CONTAINMENT MEASURES. EROSION CONTROL SHALL BE PLACED PRIOR TO THE COMMENCEMENT OF GRADING AND SITE DISTURBANCE ACTIVITIES UNLESS THE PUBLIC WORKS DEPARTMENT DETERMINES TEMPORARY MEASURES TO BE UNNECESSARY BASED UPON LOCATION, SITE CHARACTERISTICS OR TIME OF YEAR. THE INTENT OF EROSION CONTROL MEASURES SHALL BE TO KEEP ALL GENERATED SEDIMENTS FROM ENTERING A SWALE, DRAINAGE WAY, WATERCOURSE, ATMOSPHERE, OR MIGRATE ONTO ADJACENT PROPERTIES OR ONTO THE PUBLIC RIGHT-OF-WAY.

2. SITE INSPECTIONS AND APPROPRIATE MAINTENANCE OF ALL EROSION CONTROL MEASURES/DEVICES SHALL BE CONDUCTED AND DOCUMENTED AT ALL TIMES DURING CONSTRUCTION IN ACCORDANCE WITH CALIFORNIA GENERAL PERMIT.

3. THE OWNER SHALL BE RESPONSIBLE FOR THE PLACEMENT AND MAINTENANCE OF ALL EROSION CONTROL MEASURES/DEVICES AS SPECIFIED BY THE APPROVED PLAN UNTIL SUCH TIME THAT THE PROJECT IS ACCEPTED AS COMPLETE BY THE PUBLIC WORKS DEPARTMENT OR UNTIL A NOTICE OF TERMINATION HAS BEEN ACCEPTED BY RWQCB. EROSION CONTROL MEASURES/DEVICES MAY BE RELOCATED, DELETED OR ADDITIONAL MEASURES/DEVICES MAY BE REQUIRED DEPENDING ON THE ACTUAL CONDITIONS ENCOUNTERED DURING CONSTRUCTION AT THE DIRECTION OF THE PROJECT QSP. ADDITIONAL EROSION CONTROL MEASURES/DEVICES SHALL BE PLACED AT THE DISCRETION OF THE QSD, QSP, AGENCY INSPECTOR, OR RWQCB.

4. PER THE CALIFORNIA GENERAL PERMIT, THERE IS NO IDENTIFIED RAINY SEASON. EROSION CONTROL MEASURES ARE REQUIRED AT ALL TIMES. REFER TO PROJECT SWPPP FOR BMP DETAILS.

5. IN THE EVENT OF A FAILURE, THE OWNER AND/OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR CLEANUP AND ALL ASSOCIATED COSTS OR DAMAGE. IN THE EVENT THAT DAMAGE OCCURS WITHIN THE RIGHT-OF-WAY AND THE AGENCY IS REQUIRED TO PERFORM CLEANUP, THE OWNER SHALL BE RESPONSIBLE FOR AGENCY REIMBURSEMENT OF ALL ASSOCIATED COSTS OR DAMAGE.

6. IN THE EVENT OF FAILURE AND/OR LACK OF PERFORMANCE BY THE OWNER AND/OR CONTRACTOR TO CORRECT EROSION CONTROL RELATED PROBLEMS THE PUBLIC WORKS DEPARTMENT MAY REVOKE ALL ACTIVE PERMITS.

7. PERMANENT EROSION CONTROL SHALL BE PLACED AND ESTABLISHED WITH 75% COVERAGE ON ALL DISTURBED SURFACES, PRIOR TO FINAL INSPECTION. PERMANENT EROSION CONTROL SHALL BE FULLY ESTABLISHED PRIOR TO FINAL ACCEPTANCE. TEMPORARY EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT MEASURES ARE ESTABLISHED.

8. THE AGENCY MAY HAVE ADDITIONAL PROJECT SPECIFIC EROSION CONTROL REQUIREMENTS. THE CONTRACTOR, DEVELOPER, AND ENGINEER OF WORK SHALL BE RESPONSIBLE FOR MAINTAINING SELF-REGULATION OF THESE REQUIREMENTS.

9. ALL PROJECTS INVOLVING SITE DISTURBANCE OF ONE ACRE OR GREATER SHALL COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA GENERAL PERMIT. THE OWNER SHALL SUBMIT A NOTICE OF INTENT (NOI).

10. NAME OF PERSON TO CONTACT 24 HOURS A DAY IN THE EVENT THERE IS AN EROSION CONTROL/SEDIMENTATION PROBLEM:

NAME: ____

PHONE: _________________________

BMP SELECTION AND LEGEND

BMP'S SPECIFIED ON THIS PLAN REFERENCE THE NOVEMBER 2009 EDITION OF THE CASQA "CALIFORNIA STORMWATER HANDBOOK". IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN BMP DETAILS AVAILABLE AT WWW.CASQA.ORG.

THE FOLLOWING BMPS ARE NOT SHOWN IN SPECIFIC LOCATIONS ON THIS PLAN AND ARE APPLICABLE TO THE PROJECT. THE CONTRACTOR SHALL INCORPORATE THESE BMPS INTO THE PROJECT SCOPE:

EC-1	PROJECT SCHEDULING
EC-2	PRESERVATION OF EXISTING VEGETATION
NS-1	WATER CONSERVATION
NS-3	PAVING AND GRINDING
NS-6	DISCHARGE REPORTING
NS-7	POTABLE WATER / IRRIGATION
NS-8	VEHICLE CLEANING
NS-9	VEHICLE FUELING
NS-10	VEHICLE MAINTENANCE
NS-12	CONCRETE CURING
NS-13	CONCRETE FINISHING
WE-1	WIND EROSION CONTROL

THE FOLLOWING BMPS ARE SPECIFIED ON THIS PLAN:

EC-7	GEOTEXTILES AND MATS
SE-4	CHECK DAM
SE-5	FIBER ROLLS
SE-7	STREET SWEEPING
SE-10	STORM DRAIN INLET PROTECTION
TC-1	STABILIZED CONSTRUCTION ENTRANCE/EXIT
WM-8	CONCRETE WASTE (WASH OUT)

THE FOLLOWING BMPS SHALL BE USED IN THE CONTRACTOR STAGING AREA:

WM-1	MATERIAL STORAGE
WM-2	MATERIAL USAGE
WM-3	STOCKPILE MANAGEMENT
WM-4	SPILL PREVENTION KIT
WM-5	SOLID WASTE (TRASH)
WM-6	HAZARDOUS WASTE MANAGEMENT
WM-9	SEPTIC / SANITARY FACILITIES

PLAN PREPARED BY:

CIVIL DESIGN STUDIO
CIVIL ENGINEERING | PLANNING | PERMITTING
P.O. Box 199 | Cambria | CA 93428
805.706.0401 | www.civil-studio.com

ENGINEER OF RECORD:

MONTE R. SOTO
No. 74736
CIVIL

PROJECT NAME:

CAMBRIA SKATE PARK

PROJECT LOCATION:

975 MAIN STREET
CAMBRIA, CA 93428
APN: 013-101-072

PLANS PREPARED FOR:

CAMBRIA COMMUNITY SERVICES DISTRICT
1316 TAMSON DRIVE, SUITE 201
CAMBRIA, CA 93428

REVISIONS:

1	1ST PLAN CHECK CORRECTIONS
2	2ND PLAN CHECK CORRECTIONS
3	3RD PLAN CHECK CORRECTIONS

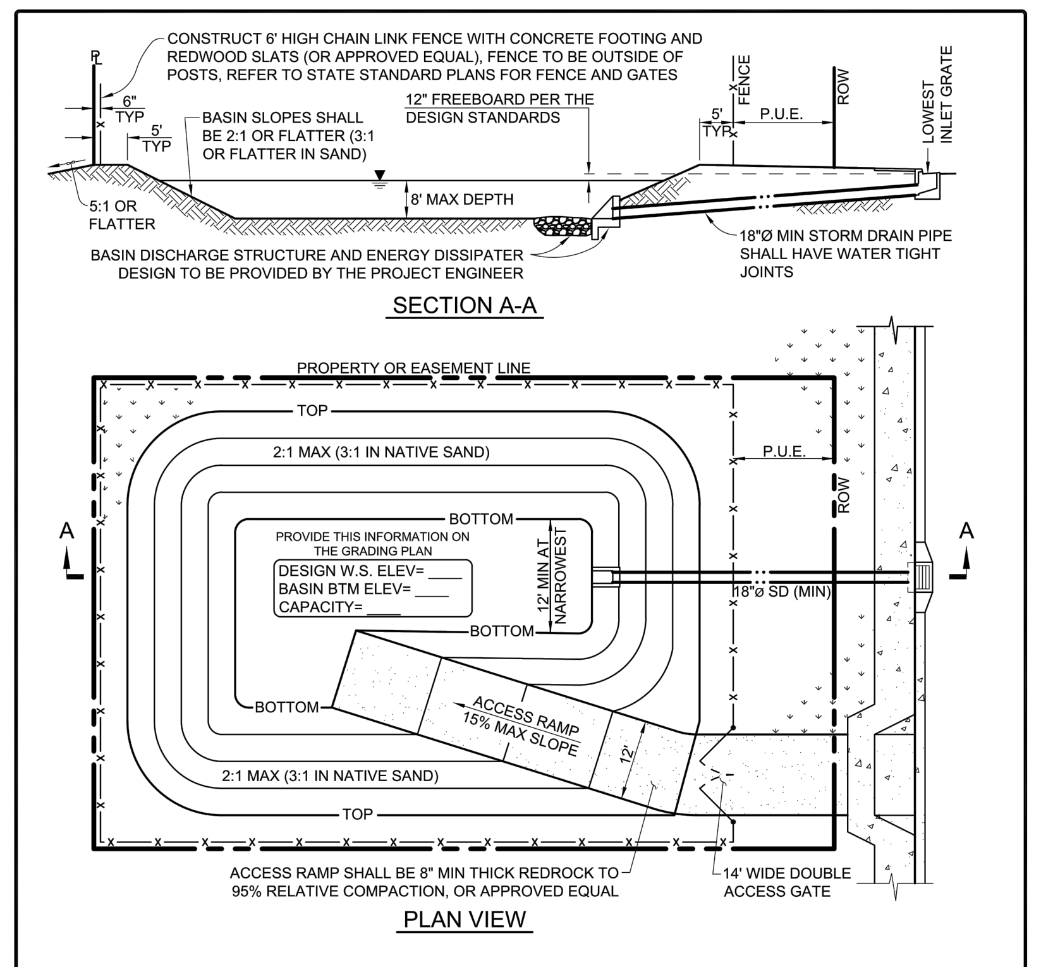
REVIEWED BY: MRS
PREPARED BY: JTI
DATE: MARCH 10, 2025
CDS JOB #: 22-011

EROSION CONTROL PLAN

C700

SHEET 6 OF 8 SHEETS

Z:\Shared\CDS Data\Active Jobs\22-011 Cambria Skate Park PIP_Project\3_Condocs\22-011 Erosion Control Plan.dwg, March 11, 2026


CONSTRUCT 6' HIGH CHAIN LINK FENCE WITH CONCRETE FOOTING AND REDWOOD SLATS (OR APPROVED EQUAL), FENCE TO BE OUTSIDE OF POSTS, REFER TO STATE STANDARD PLANS FOR FENCE AND GATES
6" TYP
5' TYP
BASIN SLOPES SHALL BE 2:1 OR FLATTER (3:1 OR FLATTER IN SAND)
12" FREEBOARD PER THE DESIGN STANDARDS
FENCE
P.U.E.
ROW
LOWEST INLET GRATE
8' MAX DEPTH
5:1 OR FLATTER
BASIN DISCHARGE STRUCTURE AND ENERGY DISSIPATER DESIGN TO BE PROVIDED BY THE PROJECT ENGINEER
18"Ø MIN STORM DRAIN PIPE SHALL HAVE WATER TIGHT JOINTS
SECTION A-A
PROPERTY OR EASEMENT LINE
TOP
2:1 MAX (3:1 IN NATIVE SAND)
BOTTOM
PROVIDE THIS INFORMATION ON THE GRADING PLAN
DESIGN W.S. ELEV= ____
BASIN BTM ELEV= ____
CAPACITY= ____
12' MIN AT NARROWEST
18"ø SD (MIN)
ACCESS RAMP 15% MAX SLOPE
12'
A
ACCESS RAMP SHALL BE 8" MIN THICK REDROCK TO 95% RELATIVE COMPACTION, OR APPROVED EQUAL
14' WIDE DOUBLE ACCESS GATE
PLAN VIEW

NOTES:
1. DEEP RETENTION BASIN SHOWN. WHERE DEEP DETENTION BASINS ARE PROPOSED THEY SHALL MEET THE SAME REQUIREMENTS OF THIS STANDARD.
2. BASINS MUST FULLY DRAIN WITHIN SEVEN (7) DAYS OR AN INFILTRATION ENHANCEMENT SYSTEM SHALL BE REQUIRED. THE DEPARTMENT MAY ALSO REQUIRE INFILTRATION TESTS AND CERTIFICATION FROM THE PROJECT ENGINEER.
3. A BASIN OVERFLOW STRUCTURE TO ACCOMMODATE UP TO A 100-YEAR STORM EVENT SHALL BE DESIGNED WHICH DISCHARGES FLOWS TO THE PUBLIC RIGHT-OF-WAY OR A DEFINED WATER COURSE IN A NON-EROSIVE MANNER.
4. THE OVERLAND ESCAPE PATH (NOTE 3) SHALL BE IDENTIFIED ON THE PLANS AND SHOWN TO PROTECT DOWNSTREAM PROPERTIES IN THE EVENT OF BASIN SPILL OR FAILURE.
5. ADDITIONAL BASIN AND BASIN LANDSCAPING REQUIREMENTS MAY BE IMPOSED AS PART OF THE DESIGN STANDARDS.
6. BASIN LANDSCAPING AND EROSION CONTROL SHALL BE SUBSTANTIALLY ESTABLISHED PRIOR TO PROJECT ACCEPTANCE.

DEPARTMENT OF PUBLIC WORKS - STANDARD DRAWINGS
DRAINAGE & FLOOD CONTROL
DEEP BASIN
Issued: August 2022
Scale: NTS
Revised:
Revision No:
Drawing No: D-1

W50 STANDARD ROCK WEIGHT. SELECT A W50 GREATER THAN DETERMINED STABLE ROCK WEIGHT (W)	D50 FEET OF STANDARD W50	TRENCH DEPTH (Z) IN FEET, 1.5 TIMES D50 OF STANDARD W50	RSP-CLASS METHOD B PLACEMENT	RSP-FABRIC TYPE NONWOVEN OR WOVEN
25 LBS	0.66	1.0	BACKING No 2	A or B
75 LBS	0.95	1.5	BACKING No 1	A or B
200 LBS	1.32	2.0	LIGHT	B
1/4 TON	1.79	2.7	1/4 TON	B
1/2 TON	2.26	3.4	1/2 TON	B
1 TON	2.85	4.3	1 TON	B

ROCK SIZE RSP CLASS	TRENCH DEPTH RANGE (Z)	TYPE OF RSP FABRIC
BACKING No 2	10"-16"	A or B
BACKING No 1	12"-18"	A or B
LIGHT	18"-24"	B
1/4 TON	30"-36"	B
1/2 TON	36"-42"	B
1 TON	48"-60"	B

CONSTRUCTION NOTES:
A. EXCAVATE AND/OR FILL DISSIPATER TRENCH TO DIMENSIONS (X, Y AND Z, SHOW ON PLAN SET (SQUARED EDGES NOT REQUIRED).
B. INSTALL FLARED END SECTION APPROPRIATELY SIZED FOR CULVERT.
C. PLACE RSP-FABRIC LOOSELY AND PIN IT TO ALL SIDES AND BOTTOM OF TRENCH.
D. PLACE RSP-CLASS OF DISSIPATER ROCK IN TRENCH. ROCK SHALL NOT PROTRUDE ABOVE CULVERT FLOWLINE OR ADJACENT GROUND. MATCH DISSIPATER GRADE WITH DOWNSTREAM FLOWLINE AND ADJACENT GROUND.
E. TRIM RSP FABRIC SO THAT NONE PROTRUDES ABOVE GROUND.

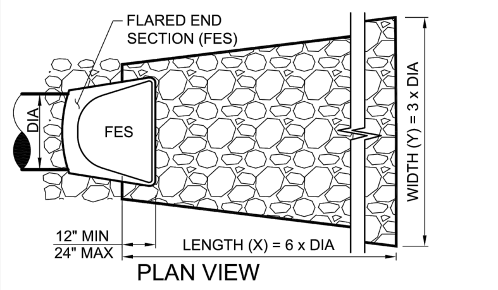
DESIGN METHOD:
1. DETERMINE ROCK SIZE BASED ON CULVERT OUTLET VELOCITY:
   a. FIRST TRIAL ROCK SIZE BY N.K. BERRY'S EQUATION (1948), SEE USBR EM-25:

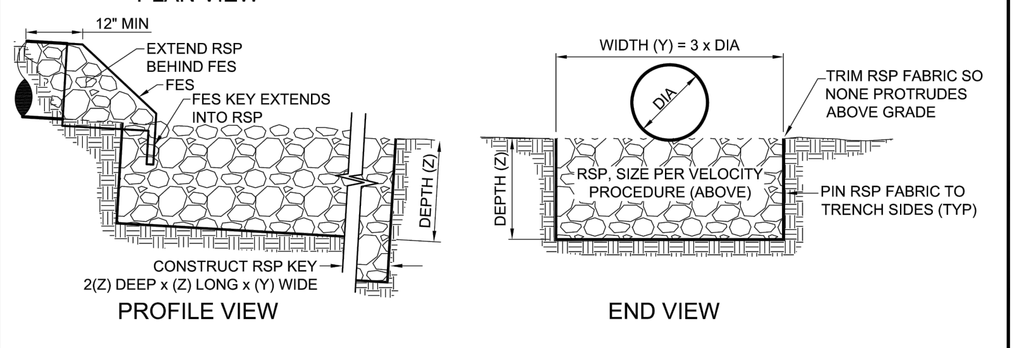
$$d = 0.0126V^2$$

   WHERE DIAMETER (d) FEET, VELOCITY (V) FPS, AND SG = 2.65.
   b. COMPARE TO CALTRANS BANK & SHORE EQUATION 1 WITH 1V:1.5H (IF H>1.5 SIZE WILL BE SMALL) AND SG = 2.65

$$\text{STABLE ROCK WEIGHT } W = 0.0000568V^6$$

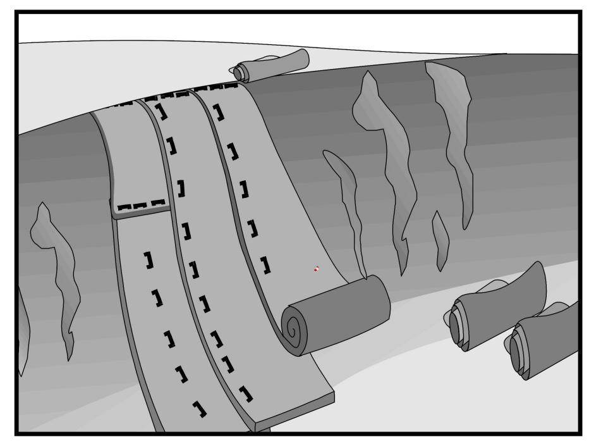
   EQUATION GIVES ROCK SIZE ON BANK USUALLY SMALLER THAN BERRY FOR BEDLOAD MOVEMENT ALONG CHANNEL BOTTOM
   c. ALSO COMPARE ABOVE ROCK SIZE TO HEC-14 CHART, FIGURE II-C-1, ON PAGE II-9 (1975), ORIGINALLY FROM SEARCY (1967).
   d. SELECT FINAL ROCK SIZE BASED ON ENGINEERING JUDGMENT AND FIELD EXPERIENCE. ADJUST (X) BASED ON SITE SPECIFIC CONSTRAINTS.
2. DETERMINING STABLE ROCK WEIGHT (W), STEP 1 ABOVE.
3. EXTEND FES 12" TO 24" INTO RSP TO PREVENT HEADCUT.
4. TABLE (STANDARD ROCK SIZES, D50, Z, RSP CLASS, RSP FABRIC TYPE).
5. RSP FABRIC DETAILS.


FLARED END SECTION (FES)
DIA
FES
WIDTH (Y) = 3 x DIA
12" MIN
24" MAX
LENGTH (X) = 6 x DIA
PLAN VIEW


12" MIN
EXTEND RSP BEHIND FES
FES
FES KEY EXTENDS INTO RSP
DEPTH (Z)
CONSTRUCT RSP KEY 2(Z) DEEP x (Z) LONG x (Y) WIDE
PROFILE VIEW
WIDTH (Y) = 3 x DIA
DIA
TRIM RSP FABRIC SO NONE PROTRUDES ABOVE GRADE
RSP, SIZE PER VELOCITY PROCEDURE (ABOVE)
PIN RSP FABRIC TO TRENCH SIDES (TYP)
END VIEW

DEPT. OF PUBLIC WORKS - STANDARD DRAWINGS
HYDROLOGY
ROCK SLOPE PROTECTION SIZING
Issued: June 2019
Scale: NTS
Revised:
Revision No:
Drawing No: H-5

Geotextiles and Mats EC-7



Categories

EC	Erosion Control	☑
SE	Sediment Control	
TC	Tracking Control	
WE	Wind Erosion Control	☒
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Category**
☒ **Secondary Category**

Targeted Constituents

Sediment	☑
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

EC-3 Hydraulic Mulch
EC-4 Hydroseeding

Description and Purpose

Mattings, or Rolled Erosion Control Products (RECPs), can be made of natural or synthetic materials or a combination of the two. RECPs are used to cover the soil surface to reduce erosion from rainfall impact, hold soil in place, and absorb and hold moisture near the soil surface. Additionally, RECPs may be used to stabilize soils until vegetation is established or to reinforce non-woody surface vegetation.

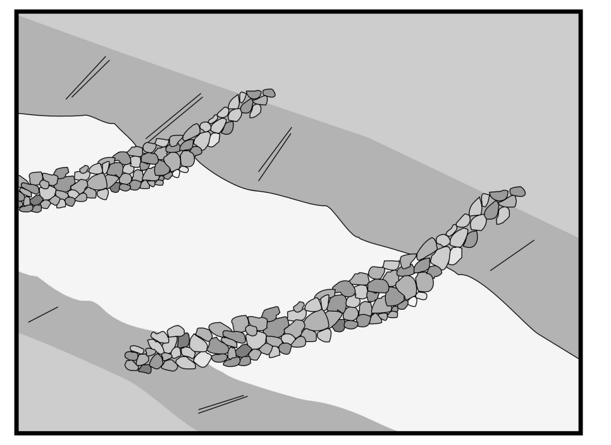
Suitable Applications

RECPs are typically applied on slopes where erosion hazard is high and vegetation will be slow to establish. Mattings are also used on stream banks, swales and other drainage channels where moving water at velocities between 3 ft/s and 6 ft/s are likely to cause scour and wash out new vegetation, and in areas where the soil surface is disturbed and where existing vegetation has been removed. RECPs may also be used when seeding cannot occur (e.g., late season construction and/or the arrival of an early rain season). RECPs should be considered when the soils are fine grained and potentially erosive. RECPs should be considered in the following situations.

- Steep slopes, generally steeper than 3:1 (H:V)
- Slopes where the erosion potential is high
- Slopes and disturbed soils where mulch must be anchored
- Disturbed areas where plants are slow to develop

November 2009 California Stormwater BMP Handbook 1 of 12
Construction
www.casqa.org

Check Dams SE-4



Categories

EC	Erosion Control	☒
SE	Sediment Control	☑
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Category**
☒ **Secondary Category**

Targeted Constituents

Sediment	☑
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

SE-5 Fiber Rolls
SE-6 Gravel Bag Berm
SE-8 Sandbag Barrier
SE-14 Biofilter Bags

Description and Purpose

A check dam is a small barrier constructed of rock, gravel bags, sandbags, fiber rolls, or other proprietary products, placed across a constructed swale or drainage ditch. Check dams reduce the effective slope of the channel, thereby reducing scour and channel erosion by reducing flow velocity and increasing residence time within the channel, allowing sediment to settle.

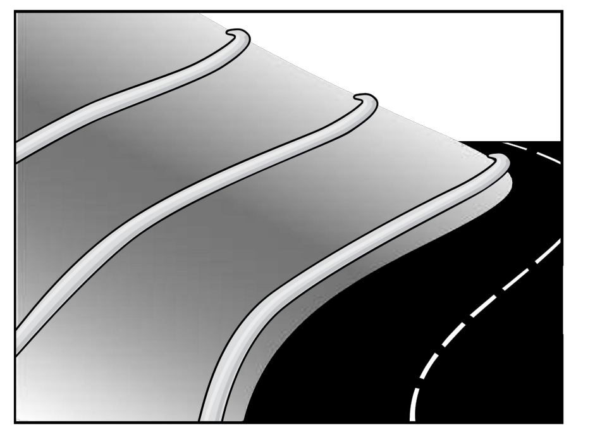
Suitable Applications

Check dams may be appropriate in the following situations:

- To promote sedimentation behind the dam.
- To prevent erosion by reducing the velocity of channel flow in small intermittent channels and temporary swales.
- In small open channels that drain 10 acres or less.
- In steep channels where stormwater runoff velocities exceed 5 ft/s.
- During the establishment of grass linings in drainage ditches or channels.
- In temporary ditches where the short length of service does not warrant establishment of erosion-resistant linings.
- To act as a grade control structure.

November 2009 California Stormwater BMP Handbook 1 of 7
Construction
www.casqa.org

Fiber Rolls SE-5



Categories

EC	Erosion Control	☒
SE	Sediment Control	☑
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Category**
☒ **Secondary Category**

Targeted Constituents

Sediment	☑
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

SE-1 Silt Fence
SE-6 Gravel Bag Berm
SE-8 Sandbag Barrier
SE-14 Biofilter Bags

Description and Purpose

A fiber roll consists of straw, coir, or other biodegradable materials bound into a tight tubular roll wrapped by netting, which can be photodegradable or natural. Additionally, gravel core fiber rolls are available, which contain an imbedded ballast material such as gravel or sand for additional weight when staking the rolls are not feasible (such as use as inlet protection). When fiber rolls are placed at the toe and on the face of slopes along the contours, they intercept runoff, reduce its flow velocity, release the runoff as sheet flow, and provide removal of sediment from the runoff (through sedimentation). By interrupting the length of a slope, fiber rolls can also reduce sheet and rill erosion until vegetation is established.

Suitable Applications

Fiber rolls may be suitable:

- Along the toe, top, face, and at grade breaks of exposed and erodible slopes to shorten slope length and spread runoff as sheet flow.
- At the end of a downward slope where it transitions to a steeper slope.
- Along the perimeter of a project.
- As check dams in unlined ditches with minimal grade.
- Down-slope of exposed soil areas.
- At operational storm drains as a form of inlet protection.

November 2009 California Stormwater BMP Handbook 1 of 5
Construction
www.casqa.org

Street Sweeping and Vacuuming SE-7

Categories

EC	Erosion Control	
SE	Sediment Control	☒
TC	Tracking Control	☑
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Objective**
☒ **Secondary Objective**

Targeted Constituents

Sediment	☑
Nutrients	
Trash	☑
Metals	
Bacteria	
Oil and Grease	☑
Organics	

Potential Alternatives

None

Description and Purpose

Street sweeping and vacuuming includes use of self-propelled and walk-behind equipment to remove sediment from streets and roadways, and to clean paved surfaces in preparation for final paving. Sweeping and vacuuming prevents sediment from the project site from entering storm drains or receiving waters.

Suitable Applications

Sweeping and vacuuming are suitable anywhere sediment is tracked from the project site onto public or private paved streets and roads, typically at points of egress. Sweeping and vacuuming are also applicable during preparation of paved surfaces for final paving.

Limitations

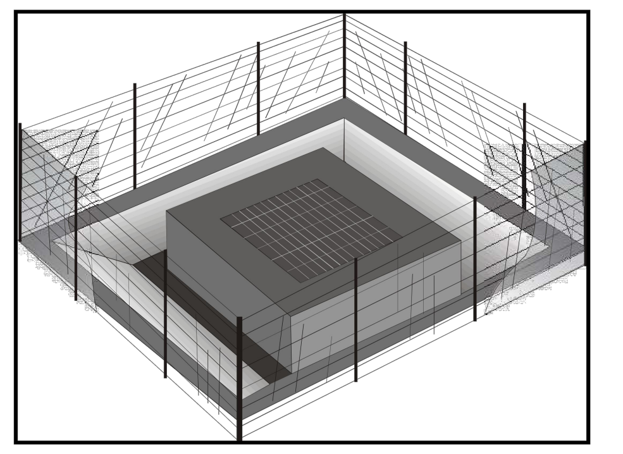
Sweeping and vacuuming may not be effective when sediment is wet or when tracked soil is caked (caked soil may need to be scraped loose).

Implementation

- Controlling the number of points where vehicles can leave the site will allow sweeping and vacuuming efforts to be focused, and perhaps save money.
- Inspect potential sediment tracking locations daily.
- Visible sediment tracking should be swept or vacuumed on a daily basis.
- Do not use kick brooms or sweeper attachments. These tend to spread the dirt rather than remove it.

November 2009 California Stormwater BMP Handbook 1 of 2
Construction
www.casqa.org

Storm Drain Inlet Protection SE-10



Categories

EC	Erosion Control	
SE	Sediment Control	☑
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Category**
☒ **Secondary Category**

Targeted Constituents

Sediment	☑
Nutrients	
Trash	☒
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

SE-1 Silt Fence
SE-5 Fiber Rolls
SE-6 Gravel Bag Berm
SE-8 Sandbag Barrier
SE-14 Biofilter Bags

Description and Purpose

Storm drain inlet protection consists of a sediment filter or an impounding area in, around or upstream of a storm drain, drop inlet, or curb inlet. Storm drain inlet protection measures temporarily pond runoff before it enters the storm drain, allowing sediment to settle. Some filter configurations also remove sediment by filtering, but usually the ponding action results in the greatest sediment reduction. Temporary geotextile storm drain inserts attach underneath storm drain grates to capture and filter storm water.

Suitable Applications

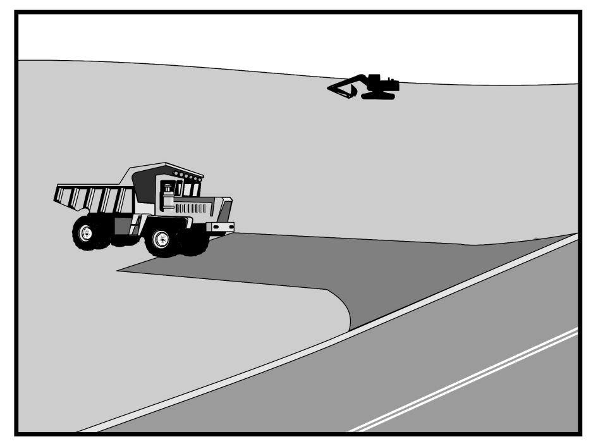
Every storm drain inlet receiving runoff from unstabilized or otherwise active work areas should be protected. Inlet protection should be used in conjunction with other erosion and sediment controls to prevent sediment-laden stormwater and non-stormwater discharges from entering the storm drain system.

Limitations

- Drainage area should not exceed 1 acre.
- In general straw bales should not be used as inlet protection.
- Requires an adequate area for water to pond without encroaching into portions of the roadway subject to traffic.

November 2009 California Stormwater BMP Handbook 1 of 10
Construction
www.casqa.org

Stabilized Construction Entrance/Exit TC-1



Categories

EC	Erosion Control	☒
SE	Sediment Control	☒
TC	Tracking Control	☑
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Objective**
☒ **Secondary Objective**

Targeted Constituents

Sediment	☑
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

None

Description and Purpose

A stabilized construction access is defined by a point of entrance/exit to a construction site that is stabilized to reduce the tracking of mud and dirt onto public roads by construction vehicles.

Suitable Applications

Use at construction sites:

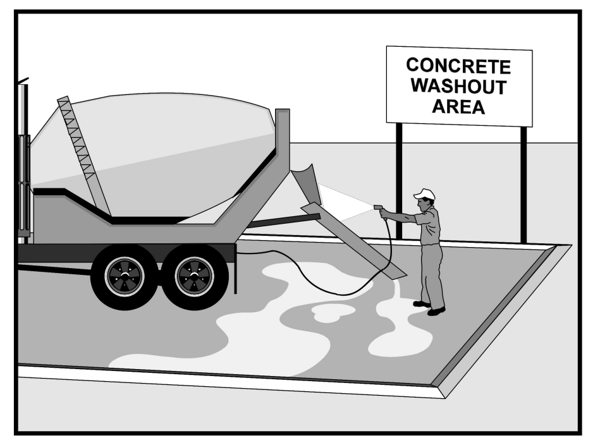
- Where dirt or mud can be tracked onto public roads.
- Adjacent to water bodies.
- Where poor soils are encountered.
- Where dust is a problem during dry weather conditions.

Limitations

- Entrances and exits require periodic top dressing with additional stones.
- This BMP should be used in conjunction with street sweeping on adjacent public right of way.
- Entrances and exits should be constructed on level ground only.
- Stabilized construction entrances are rather expensive to construct and when a wash rack is included, a sediment trap of some kind must also be provided to collect wash water

November 2009 California Stormwater BMP Handbook 1 of 6
Construction
www.casqa.org

Concrete Waste Management WM-8


CONCRETE WASHOUT AREA

Categories

EC	Erosion Control	
SE	Sediment Control	
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	☒
WM	Waste Management and Materials Pollution Control	☑

Legend:
☑ **Primary Category**
☒ **Secondary Category**

Targeted Constituents

Sediment	☑
Nutrients	
Trash	
Metals	☑
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

None

Description and Purpose

Prevent the discharge of pollutants to stormwater from concrete waste by conducting washout onsite or offsite in a designated area, and by employee and subcontractor training.

The General Permit incorporates Numeric Effluent Limits (NEL) and Numeric Action Levels (NAL) for pH (see Section 2 of this handbook to determine your project's risk level and if you are subject to these requirements).

Many types of construction materials, including mortar, concrete, stucco, cement and block and their associated wastes have basic chemical properties that can raise pH levels outside of the permitted range. Additional care should be taken when managing these materials to prevent them from coming into contact with stormwater flows and raising pH to levels outside the accepted range.

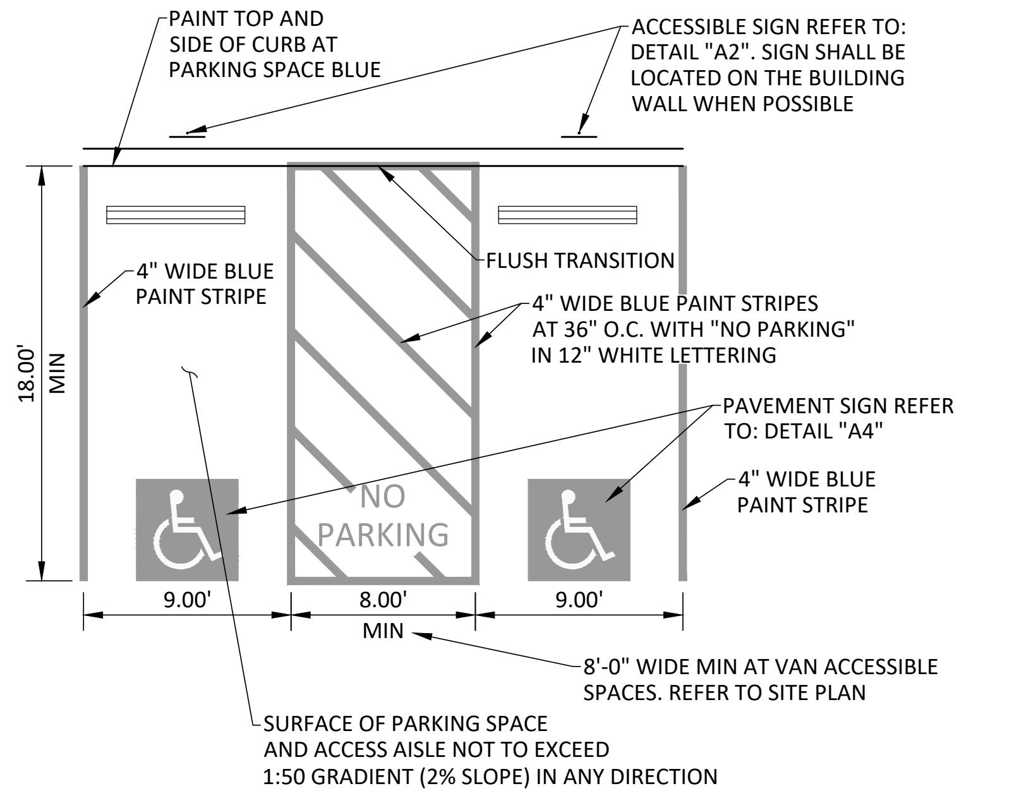
Suitable Applications

Concrete waste management procedures and practices are implemented on construction projects where:

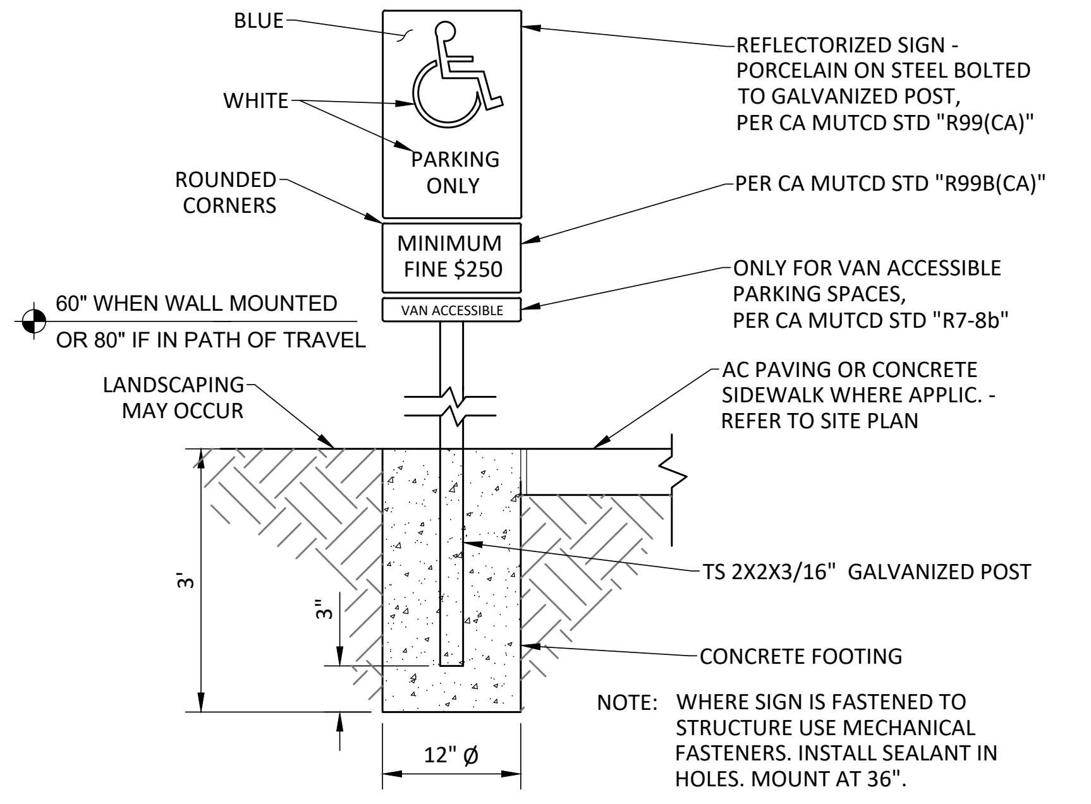
- Concrete is used as a construction material or where concrete dust and debris result from demolition activities.
- Slurries containing portland cement concrete (PCC) are generated, such as from saw cutting, coring, grinding, grooving, and hydro-concrete demolition.

November 2009 California Stormwater BMP Handbook 1 of 7
Construction
www.casqa.org

NOTE:
DETAILS ON THIS SHEET ARE PROVIDED FOR REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ORIGINAL COPIES OF THE DETAILS FROM EACH APPLICABLE AGENCY.

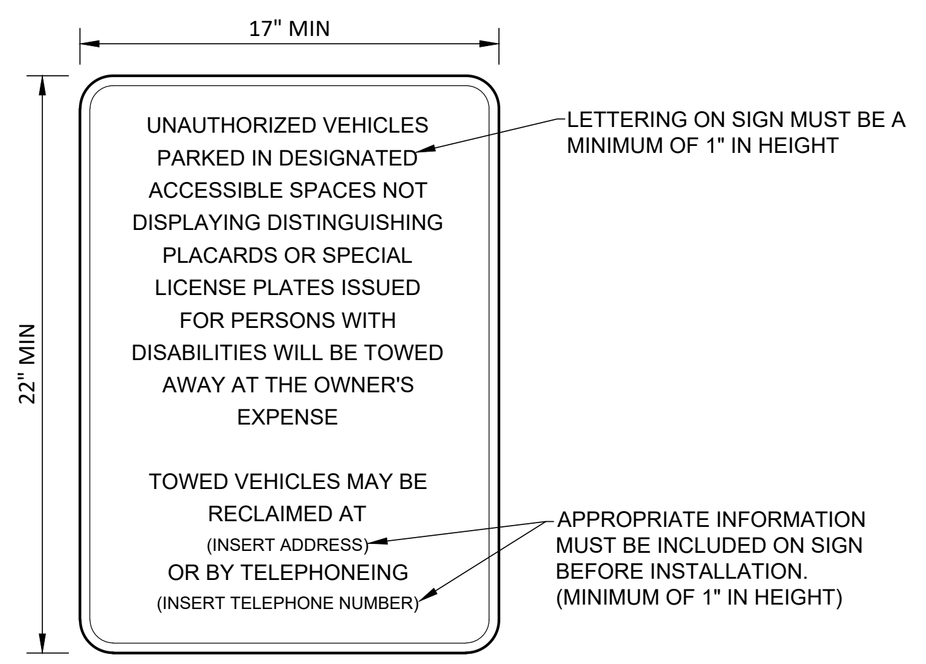

PAINT TOP AND SIDE OF CURB AT PARKING SPACE BLUE
ACCESSIBLE SIGN REFER TO: DETAIL "A2". SIGN SHALL BE LOCATED ON THE BUILDING WALL WHEN POSSIBLE
4" WIDE BLUE PAINT STRIPE
FLUSH TRANSITION
4" WIDE BLUE PAINT STRIPES AT 36" O.C. WITH "NO PARKING" IN 12" WHITE LETTERING
18.00' MIN
PAVEMENT SIGN REFER TO: DETAIL "A4"
4" WIDE BLUE PAINT STRIPE
NO PARKING
9.00'
8.00' MIN
9.00'
8'-0" WIDE MIN AT VAN ACCESSIBLE SPACES. REFER TO SITE PLAN
SURFACE OF PARKING SPACE AND ACCESS AISLE NOT TO EXCEED 1:50 GRADIENT (2% SLOPE) IN ANY DIRECTION

⑲ DETAIL "A1": ACCESSIBLE PARKING SPACE
SCALE: NTS


BLUE
WHITE
PARKING ONLY
ROUNDED CORNERS
MINIMUM FINE $250
VAN ACCESSIBLE
REFLECTORIZED SIGN - PORCELAIN ON STEEL BOLTED TO GALVANIZED POST, PER CA MUTCD STD "R99(CA)"
PER CA MUTCD STD "R99B(CA)"
ONLY FOR VAN ACCESSIBLE PARKING SPACES, PER CA MUTCD STD "R7-8b"
60" WHEN WALL MOUNTED OR 80" IF IN PATH OF TRAVEL
LANDSCAPING MAY OCCUR
AC PAVING OR CONCRETE SIDEWALK WHERE APPLIC. - REFER TO SITE PLAN
TS 2X2X3/16" GALVANIZED POST
3'
3"
CONCRETE FOOTING
12" Ø

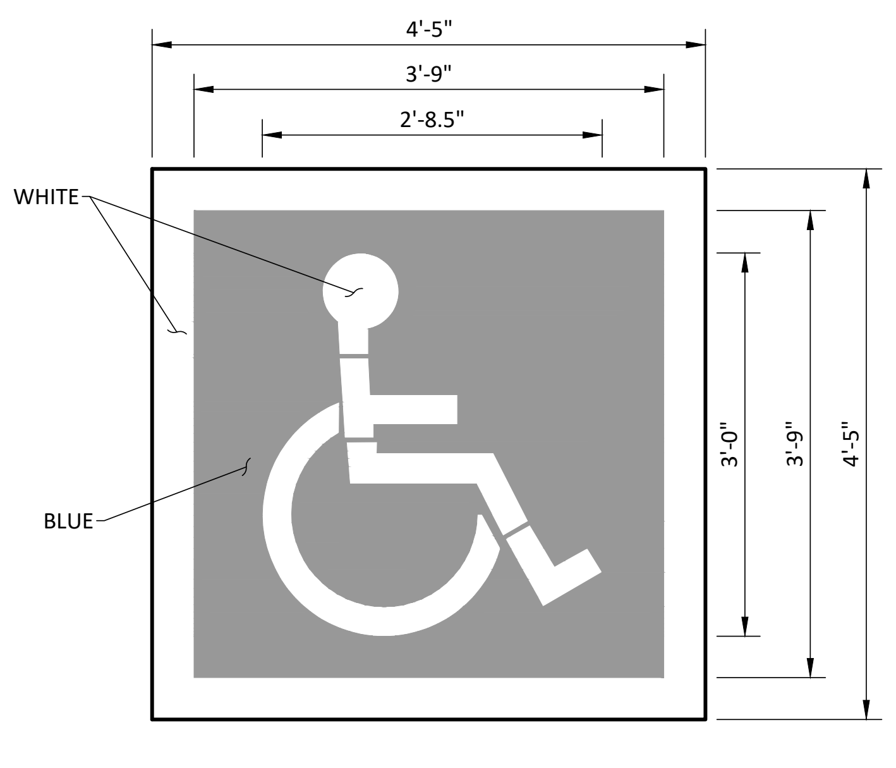
NOTE: WHERE SIGN IS FASTENED TO STRUCTURE USE MECHANICAL FASTENERS. INSTALL SEALANT IN HOLES. MOUNT AT 36".

⑲ DETAIL "A2": PARKING SPACE SIGNAGE
SCALE: NTS

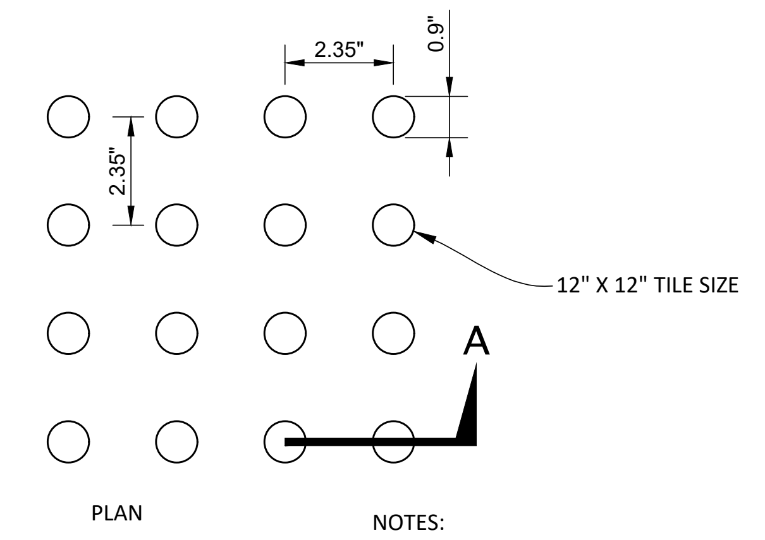

17" MIN
22" MIN
UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY AT THE OWNER'S EXPENSE
TOWED VEHICLES MAY BE RECLAIMED AT
(INSERT ADDRESS)
OR BY TELEPHONEING
(INSERT TELEPHONE NUMBER)
LETTERING ON SIGN MUST BE A MINIMUM OF 1" IN HEIGHT
APPROPRIATE INFORMATION MUST BE INCLUDED ON SIGN BEFORE INSTALLATION. (MINIMUM OF 1" IN HEIGHT)

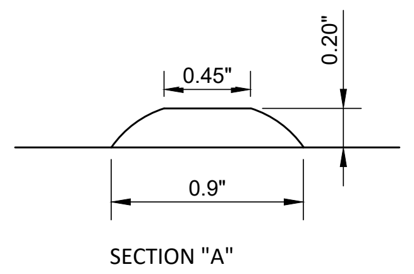
NOTE: POST IN A CONSPICUOUS PLACE TO AN OFF-STREET PARKING LOT OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH DESIGNATED STALL.

⑳ DETAIL "A3": ENTRANCE PARKING SIGN
SCALE: NTS


4'-5"
3'-9"
2'-8.5"
WHITE
BLUE
3'-0"
3'-9"
4'-5"

⑲ DETAIL "A4": ACCESSIBLE PAVEMENT SYMBOL
PER CA MUTCD FIGURE "3B-22 (CA)"
SCALE: NTS


2.35"
0.9"
2.35"
12" X 12" TILE SIZE
A
PLAN


0.45"
0.20"
0.9"
SECTION "A"

NOTES:
1. DETECTABLE WARNING SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT ON DARK OR DARK ON LIGHT.
2. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.
3. DETECTABLE WARNINGS SHALL EXTEND FULL WIDTH OF CURB RAMPS AND ANY ACCESSIBLE PATH THAT CROSSES VEHICULAR PATH NOT SEPARATED BY ANOTHER ELEMENT.
4. WARNING SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND ON CANE CONTACT.
5. DETECTABLE WARNING, AT THE OPTION OF THE CONTRACTOR, SHALL BE CONSTRUCTED BY CAST IN PLACE OR STAMPED METHOD, OR CONSIST OF A PREFABRICATED SURFACE.

㉑ DETAIL "A5": TRUNCATED DOMES
SCALE: NTS

Z:\Shared\CDS Data\Active Jobs\22-011 Cambria Skate Park PIP_Project\3_Condocs\22-011 Detail Sheet.dwg, March 11, 2026

PLAN PREPARED BY:
CIVIL DESIGN STUDIO
CIVIL ENGINEERING | PLANNING | PERMITTING
P.O. Box 199 | Cambria | CA 93428
805.706.0401 | www.civil-studio.com

ENGINEER OF RECORD:
REGISTERED PROFESSIONAL ENGINEER
MONTE R SOTO
No. 74736
CIVIL
STATE OF CALIFORNIA

PROJECT NAME:
CAMBRIA SKATE PARK

PROJECT LOCATION:
975 MAIN STREET
CAMBRIA, CA 93428
APN: 013-101-072

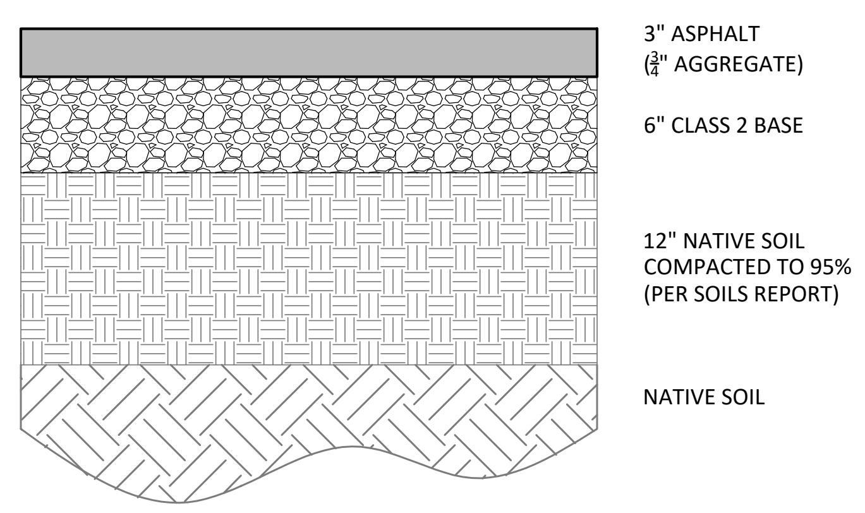
PLANS PREPARED FOR:
CAMBRIA COMMUNITY SERVICES DISTRICT
1316 TAMSON DRIVE, SUITE 201
CAMBRIA, CA 93428

REVISIONS:
1 1ST PLAN CHECK CORRECTIONS
2 2ND PLAN CHECK CORRECTIONS
3 3RD PLAN CHECK CORRECTIONS

REVIEWED BY: MRS
PREPARED BY: JTI
DATE: MARCH 10, 2025
CDS JOB #: 22-011

DETAIL SHEET
C800

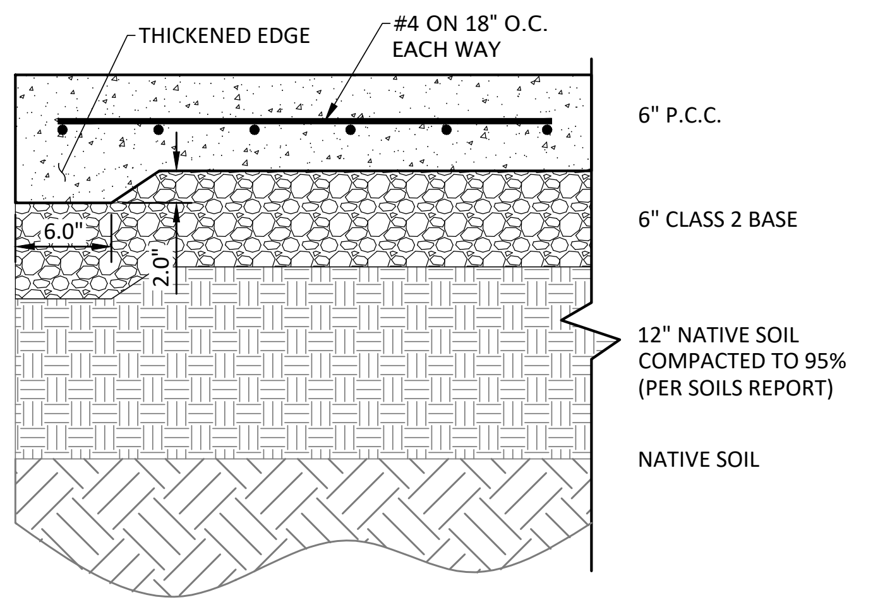
SHEET 7 OF 8 SHEETS


3" ASPHALT
(¾" AGGREGATE)
6" CLASS 2 BASE
12" NATIVE SOIL
COMPACTED TO 95%
(PER SOILS REPORT)
NATIVE SOIL

⑪ DETAIL "B1": AC PAVING

SCALE: 1" = 1'

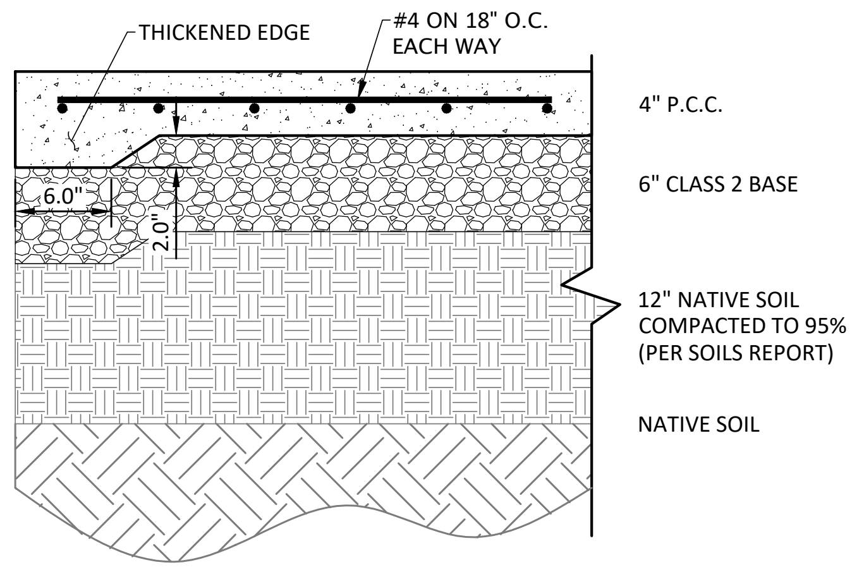
NOTE:
WEAKENED PLANE JOINTS SHALL BE INSTALLED AT A MAXIMUM INTERVAL OF 12.5' EACH WAY. IN ADDITION, RESULTING CONCRETE SECTIONS SHALL BE AS CLOSE TO SQUARE AS POSSIBLE. MAXIMUM RATIO OF LENGTH TO WIDTH SHALL BE 1.5:1. DEPTH SHALL BE 25% OF SLAB THICKNESS MINIMUM.


THICKENED EDGE
#4 ON 18" O.C.
EACH WAY
6" P.C.C.
6.0"
2.0"
6" CLASS 2 BASE
12" NATIVE SOIL
COMPACTED TO 95%
(PER SOILS REPORT)
NATIVE SOIL

⑫ DETAIL "B2": CONCRETE IN DRIVE AISLES

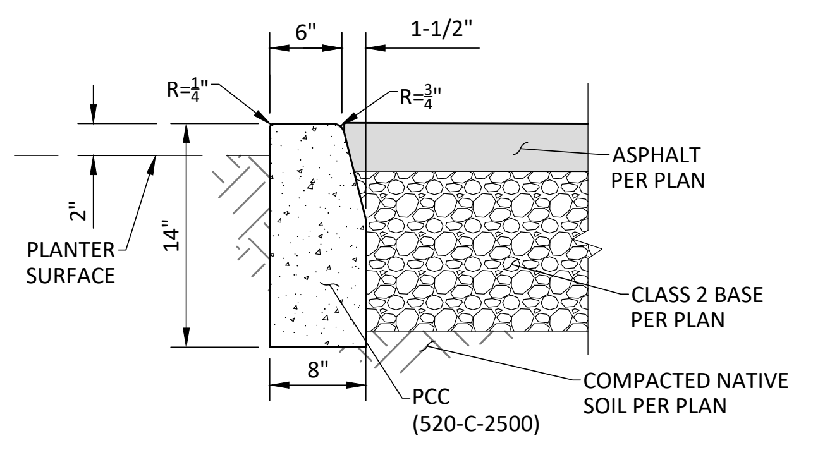
SCALE: 1" = 1'

NOTE:
WEAKENED PLANE JOINTS SHALL BE INSTALLED AT A MAXIMUM INTERVAL OF 8.3' EACH WAY. IN ADDITION, RESULTING CONCRETE SECTIONS SHALL BE AS CLOSE TO SQUARE AS POSSIBLE. MAXIMUM RATIO OF LENGTH TO WIDTH SHALL BE 1.5:1. DEPTH SHALL BE 25% OF SLAB THICKNESS MINIMUM.


THICKENED EDGE
#4 ON 18" O.C.
EACH WAY
4" P.C.C.
6.0"
2.0"
6" CLASS 2 BASE
12" NATIVE SOIL
COMPACTED TO 95%
(PER SOILS REPORT)
NATIVE SOIL

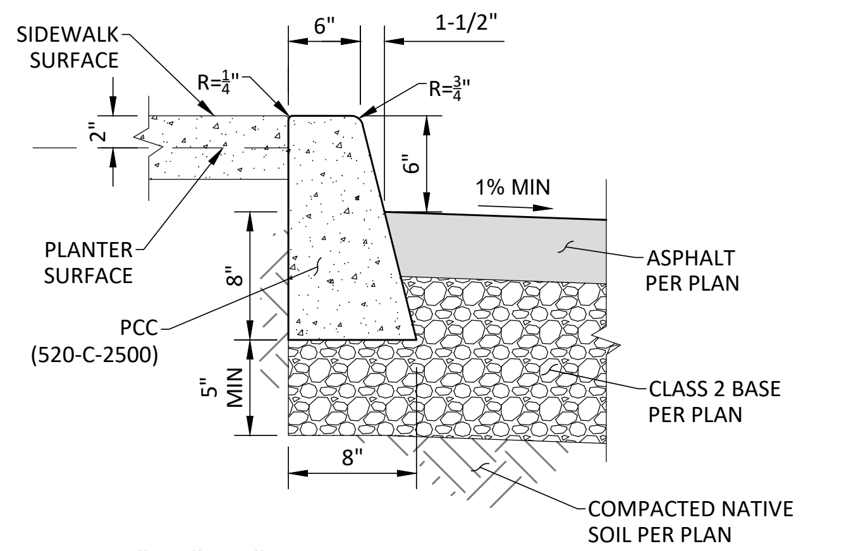
⑬ DETAIL "B3": CONCRETE IN PEDESTRIAN AREAS

SCALE: 1" = 1'


6"
1-1/2"
R=¼"
R=¾"
2"
14"
PLANTER
SURFACE
ASPHALT
PER PLAN
CLASS 2 BASE
PER PLAN
8"
PCC
(520-C-2500)
COMPACTED NATIVE
SOIL PER PLAN

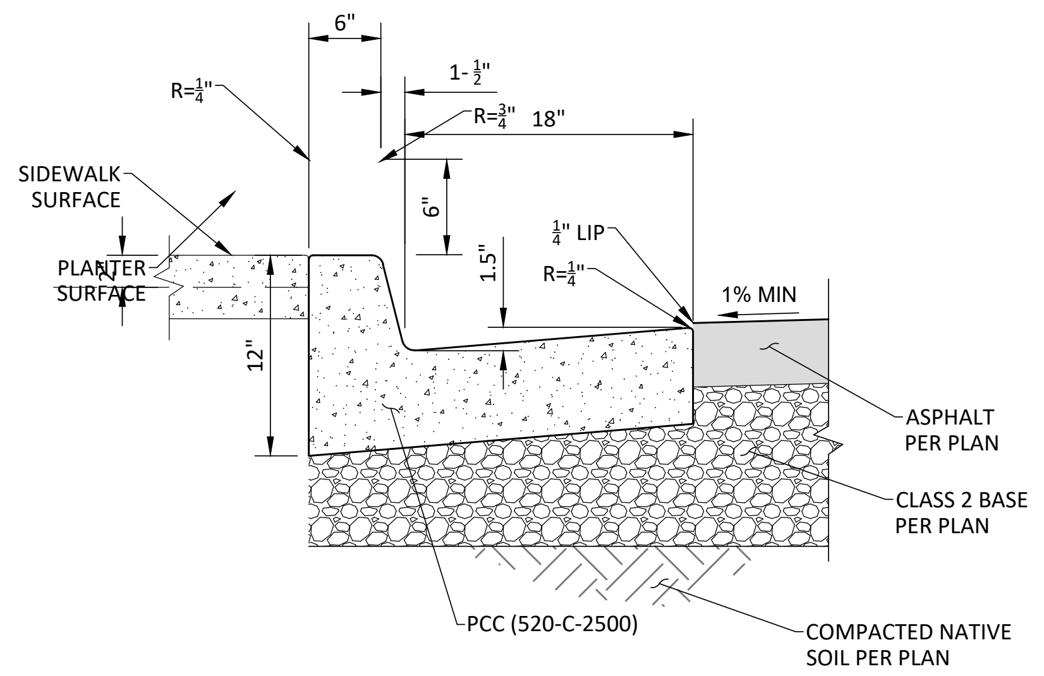
⑭ DETAIL "C0": 0" CURB

SCALE: 1" = 1'


SIDEWALK
SURFACE
6"
1-1/2"
R=¼"
R=¾"
2"
6"
1% MIN
PLANTER
SURFACE
ASPHALT
PER PLAN
8"
PCC
(520-C-2500)
5" MIN
CLASS 2 BASE
PER PLAN
8"
COMPACTED NATIVE
SOIL PER PLAN

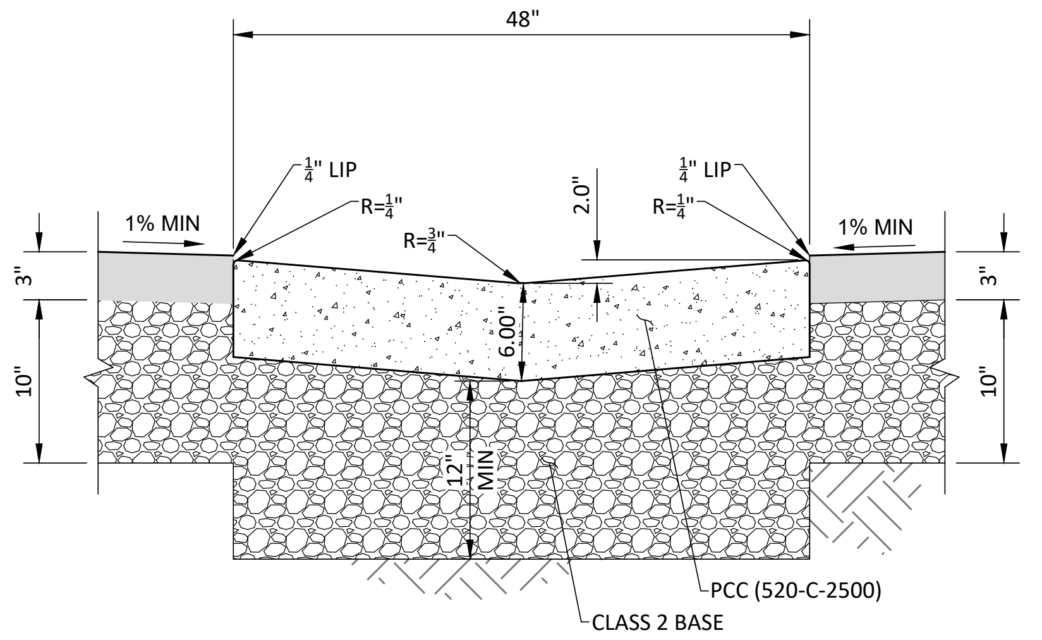
⑮ DETAIL "C1": 6" CURB

SCALE: 1" = 1'


6"
R=¼"
1-½"
R=¾"
18"
SIDEWALK
SURFACE
6"
PLANTER
SURFACE
1.5"
¼" LIP
R=¼"
1% MIN
12"
ASPHALT
PER PLAN
CLASS 2 BASE
PER PLAN
PCC (520-C-2500)
COMPACTED NATIVE
SOIL PER PLAN

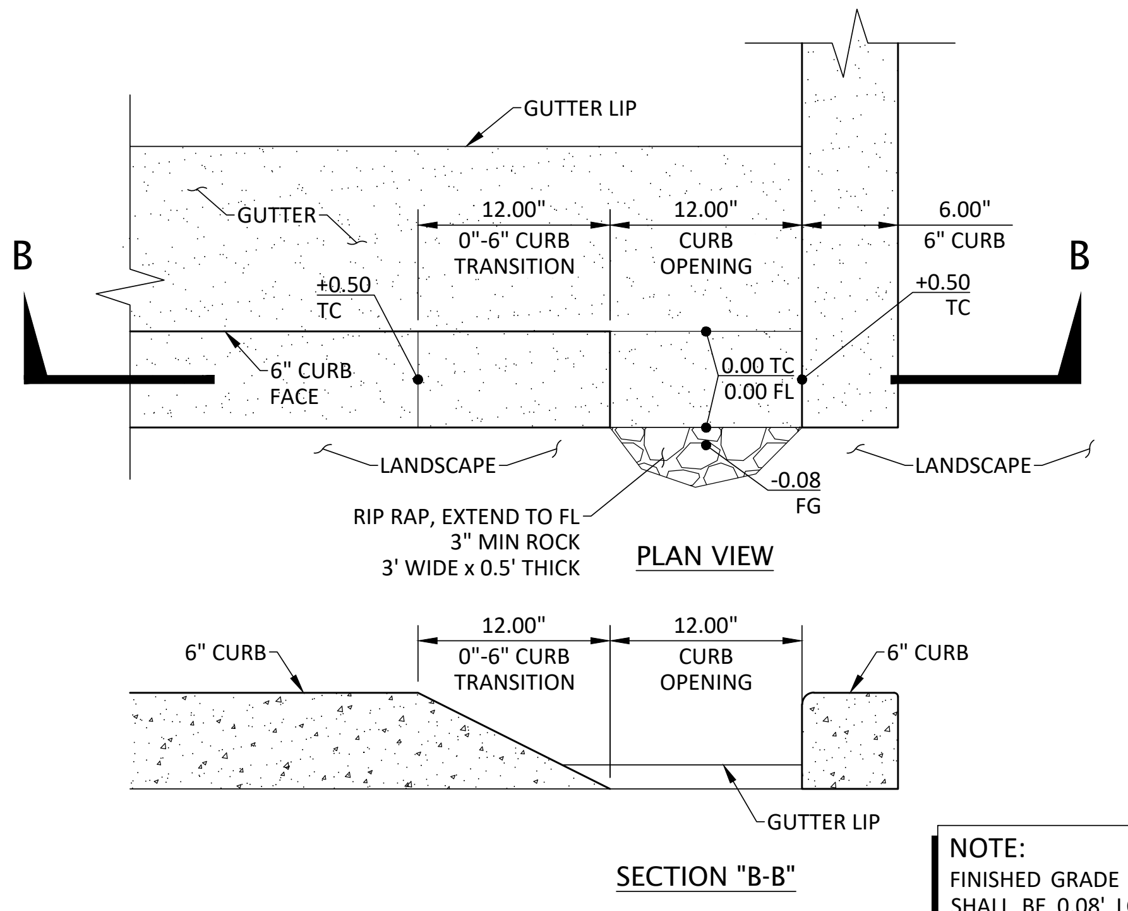
⑯ DETAIL "C2": 6" CURB AND 18" GUTTER

SCALE: 1" = 1'


48"
1% MIN
¼" LIP
R=¼"
R=¾"
2.0"
¼" LIP
R=¼"
1% MIN
3"
10"
6.00"
12" MIN
3"
10"
PCC (520-C-2500)
CLASS 2 BASE

⑰ DETAIL "C3": 48" V-GUTTER

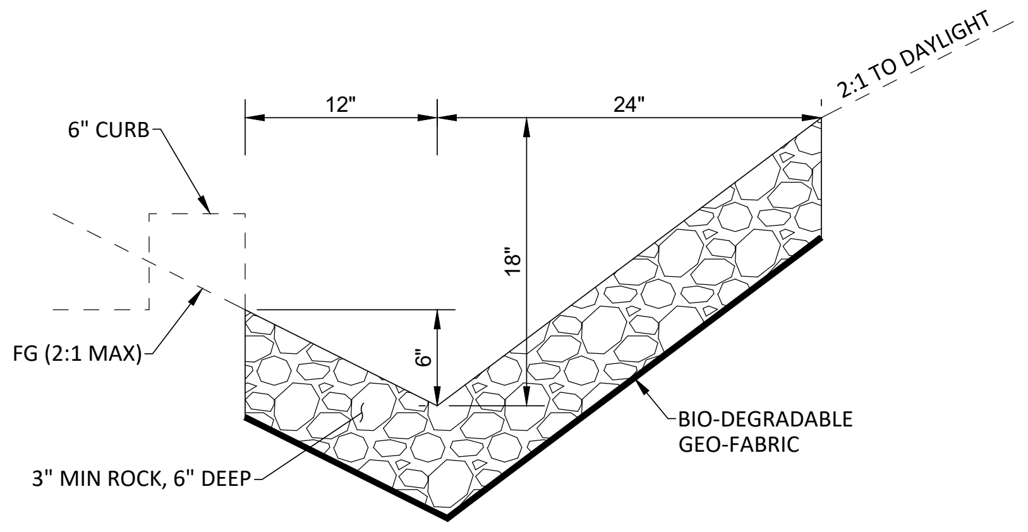
SCALE: NTS


GUTTER LIP
GUTTER
12.00"
0"-6" CURB
TRANSITION
12.00"
CURB
OPENING
6.00"
6" CURB
B
B
+0.50
TC
+0.50
TC
6" CURB
FACE
0.00 TC
0.00 FL
LANDSCAPE
LANDSCAPE
-0.08
FG
RIP RAP, EXTEND TO FL
3" MIN ROCK
3' WIDE x 0.5' THICK
PLAN VIEW
6" CURB
12.00"
0"-6" CURB
TRANSITION
12.00"
CURB
OPENING
6" CURB
GUTTER LIP
SECTION "B-B"

NOTE:
FINISHED GRADE (TOP OF FROCKS) BEHIND CURB SHALL BE 0.08' LOWER THAN THE FLOWLINE OF THE CURB. PLACE ROCK BEHIND CURB CUT IN PLANTER FOR WATER DISSIPATION.

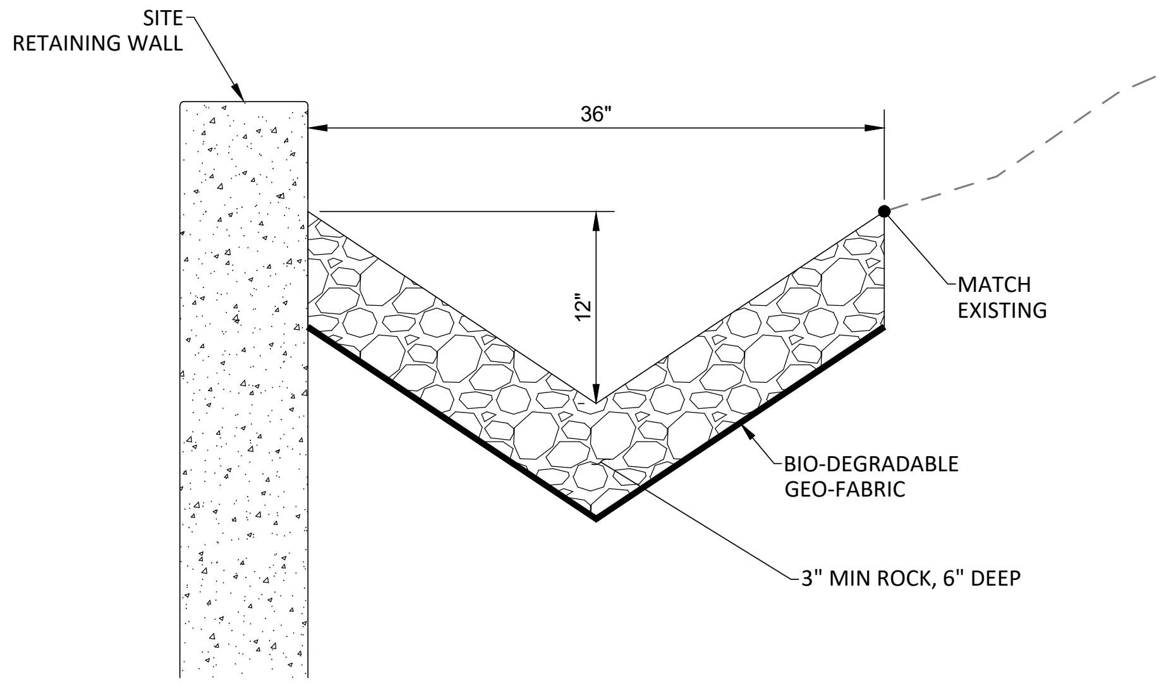
⑱ DETAIL "C4": 12" OPENING IN CURB

SCALE: NTS


12"
24"
2:1 TO DAYLIGHT
6" CURB
18"
6"
FG (2:1 MAX)
BIO-DEGRADABLE
GEO-FABRIC
3" MIN ROCK, 6" DEEP

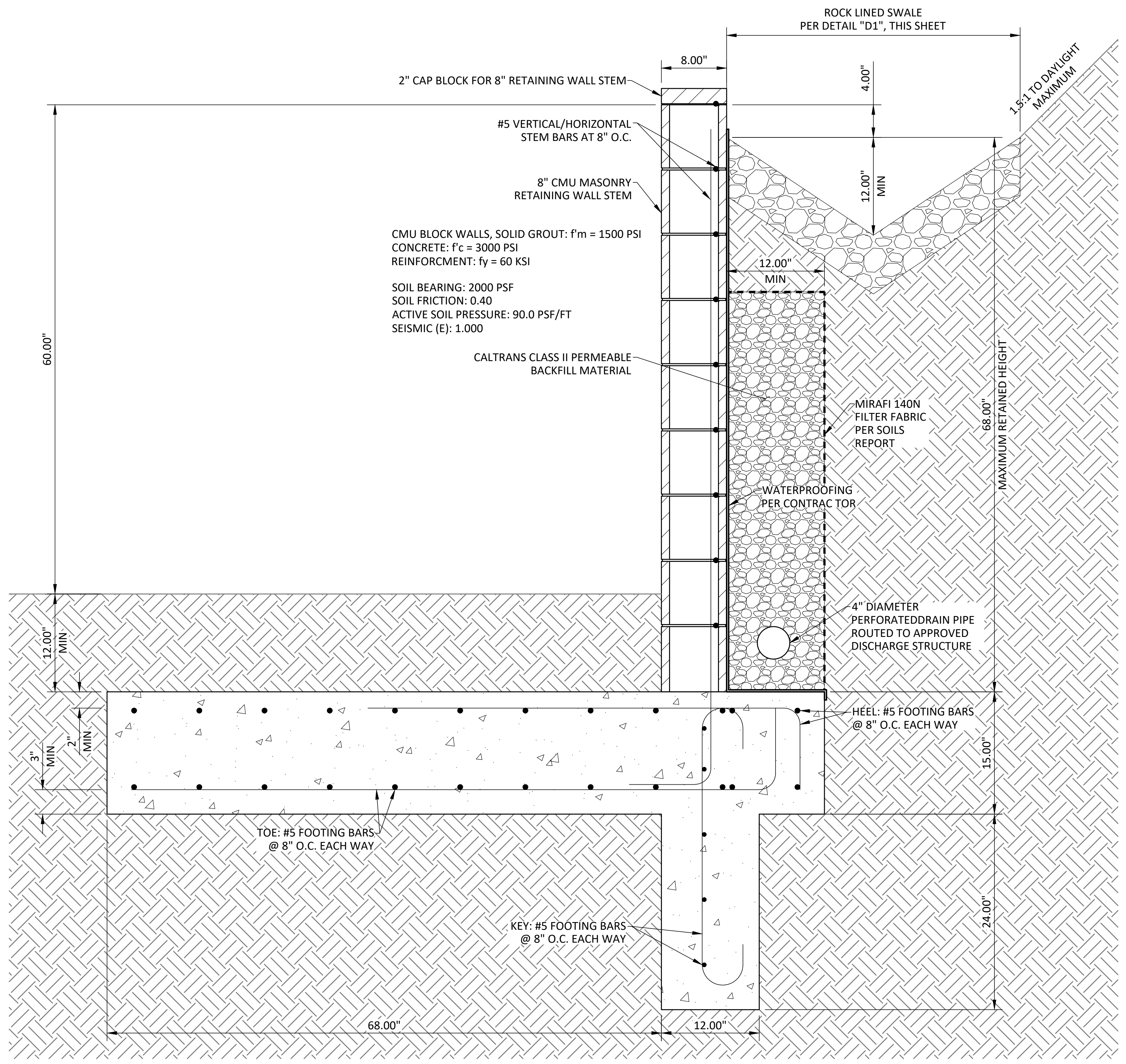
㉓ DETAIL "D0": ROCK LINED SWALE (STEEP SLOPE)

SCALE: NTS


SITE
RETAINING WALL
36"
12"
MATCH
EXISTING
BIO-DEGRADABLE
GEO-FABRIC
3" MIN ROCK, 6" DEEP

㉔ DETAIL "D1": ROCK LINED SWALE

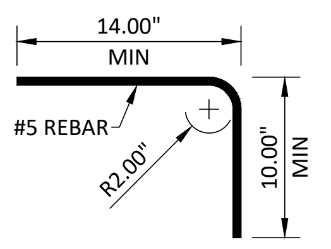
SCALE: NTS


ROCK LINED SWALE
PER DETAIL "D1", THIS SHEET
8.00"
2" CAP BLOCK FOR 8" RETAINING WALL STEM
4.00"
1.5:1 TO DAYLIGHT
MAXIMUM
#5 VERTICAL/HORIZONTAL
STEM BARS AT 8" O.C.
12.00" MIN
8" CMU MASONRY
RETAINING WALL STEM
12.00"
MIN
60.00"
CALTRANS CLASS II PERMEABLE
BACKFILL MATERIAL
MIRAFI 140N
FILTER FABRIC
PER SOILS
REPORT
68.00"
MAXIMUM RETAINED HEIGHT
WATERPROOFING
PER CONTRAC TOR
4" DIAMETER
PERFORATEDDRAIN PIPE
ROUTED TO APPROVED
DISCHARGE STRUCTURE
12.00" MIN
2" MIN
3" MIN
HEEL: #5 FOOTING BARS
@ 8" O.C. EACH WAY
15.00"
TOE: #5 FOOTING BARS
@ 8" O.C. EACH WAY
KEY: #5 FOOTING BARS
@ 8" O.C. EACH WAY
24.00"
68.00"
12.00"

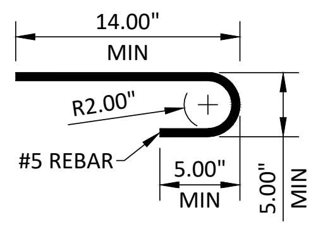
CMU BLOCK WALLS, SOLID GROUT: f'm = 1500 PSI
CONCRETE: f'c = 3000 PSI
REINFORCMENT: fy = 60 KSI

SOIL BEARING: 2000 PSF
SOIL FRICTION: 0.40
ACTIVE SOIL PRESSURE: 90.0 PSF/FT
SEISMIC (E): 1.000

STANDARD 90° HOOK

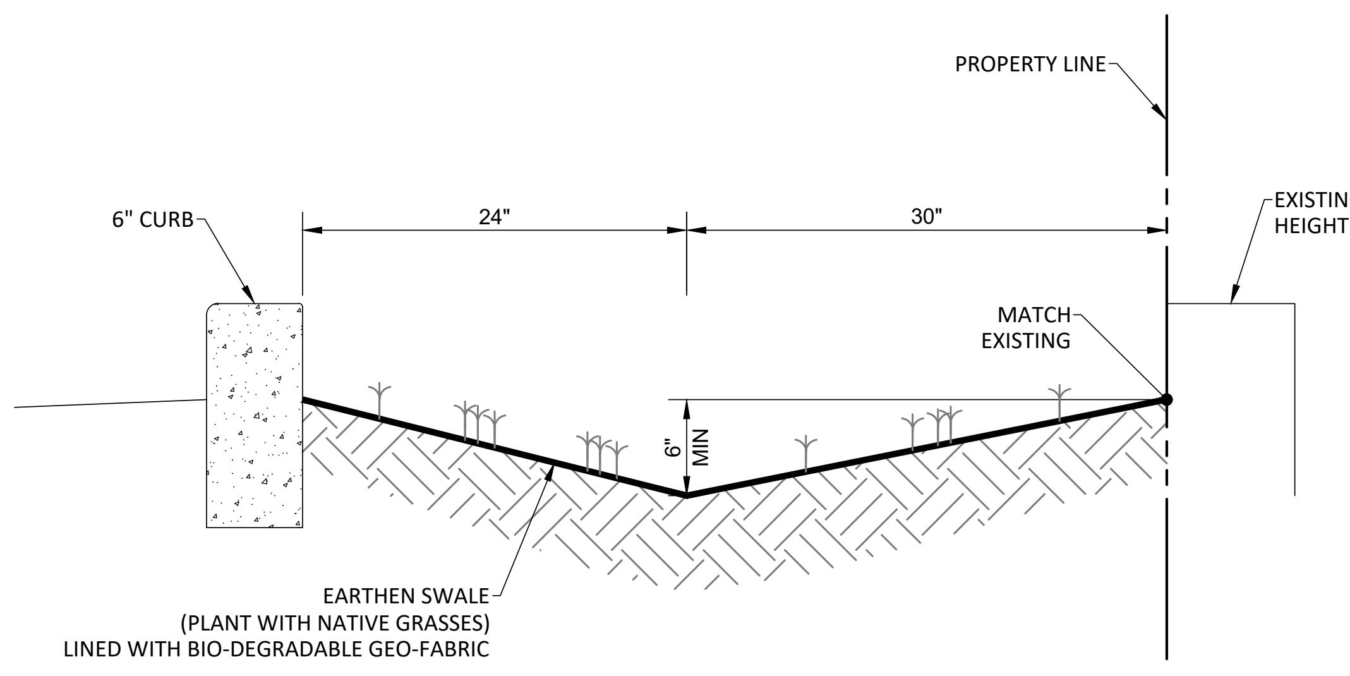

14.00"
MIN
#5 REBAR
R2.00"
10.00"
MIN

STANDARD 180° HOOK


14.00"
MIN
R2.00"
#5 REBAR
5.00"
MIN
5.00"
MIN

㉙ DETAIL "E1": CMU RETAINING WALL

SCALE: 1"=1'


PROPERTY LINE
6" CURB
24"
30"
EXISTING WALL
HEIGHT VARIES
MATCH
EXISTING
6" MIN
EARTHEN SWALE
(PLANT WITH NATIVE GRASSES)
LINED WITH BIO-DEGRADABLE GEO-FABRIC

㉕ DETAIL "D2": EARTHEN SWALE

SCALE: NTS

NOTE:
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Z:\Shared\CDS Data\Active Jobs\22-011 Cambria Skate Park PIP_Project\3_Condocs\22-011 Detail Sheet.dwg, March 11, 2026

PLAN PREPARED BY:

CIVIL DESIGN STUDIO
CIVIL ENGINEERING | PLANNING | PERMITTING
P.O. Box 199 | Cambria | CA 93428
805.706.0401 | www.civil-studio.com

ENGINEER OF RECORD:

MONTE R. SOTO
No. 74736
CIVIL

PROJECT NAME:
CAMBRIA SKATE PARK

PROJECT LOCATION:
975 MAIN STREET
CAMBRIA, CA 93428
APN: 013-101-072

PLANS PREPARED FOR:
CAMBRIA COMMUNITY SERVICES DISTRICT
1316 TAMSON DRIVE, SUITE 201
CAMBRIA, CA 93428

REVISIONS:

1	1ST PLAN CHECK CORRECTIONS
2	2ND PLAN CHECK CORRECTIONS
3	3RD PLAN CHECK CORRECTIONS

REVIEWED BY: MRS
PREPARED BY: JTI
DATE: MARCH 10, 2025
CDS JOB #: 22-011

DETAIL SHEET

C801

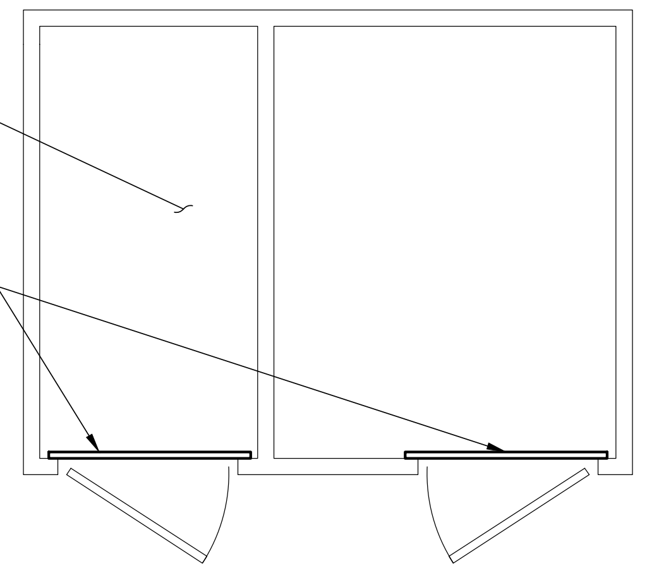
SHEET 8 OF 8 SHEETS

3

NOTE:
THE CONTRACTOR SHALL REVIEW THE APPROVED FLOOD EMERGENCY PLAN PREPARED BY CIVIL DESIGN STUDIO. ALL UTILITY PENETRATIONS INTO THE PREMANUFACTURERED BETHROOM BUILDING SHALL BE SEALED TO PROVIDE A WATERTIGHT SEAL AROUND THE BUILDING. IN ADDITION, THE FLOOD SHIELD AND FRAME SHALL BE INSTALLED AND LOCATED ONSITE PER MANUFACTURER'S SPECIFICATIONS AND THE APPROVED FLOOD EMERGENCY PLAN. THE CONTRACTOR SHALL AFFIX A PERMANENT COPY OF THE FLOOD EMERGENCY PLAN AND INSTRUCTIONS IN A CONSPICUOUS LOCATION ON THE BATHROOM BUILDING.

NOTE:
THE PROPOSED BUILDING SHALL BE DRY-FLOODPROOFED IN ACCORDINACE WITH NFIP TECHNICAL BULLETIN 3. BUILDING MANUFACTURER SHALL PROVIDE A FLOOD BARRIER AT EACH BUILDING DOOR. FLOOD BARRIER SHALL BE DOORFLOODBARRIER.COM PART 5127MA, (OR APPROVED EQUAL).

ELECTRICAL COMPONENT NOTE:
THE LOWEST POINT OF ANY AND ALL ELECTRICAL COMPONENTS SHALL BE A MINIMUM OF 3.4' ABOVE THE BUILDING SLAB ELEVATION. ALL ELECTRICAL COMPONENTS, INCLUDING BURIED COMPONENTS, SHALL MEET ASCE STANDARD 7-24



BATHROOM BUILDING APPROXIMATE ROOM LAYOUT. PUBLIC RESTROOM COMPANY PS-011 (OR APPROVED EQUAL)

FURNISH AND INSTALL DOORFLOODBARRIER.COM FLOOD BARRIER (OR APPROVED EQUAL). INSTALL PER MANUFACTURER'S SPECIFICATIONS. MINIMUM HEIGHT SHALL BE 42" ABOVE BUILDING FF (ELEVATION 34.0 NAVD 88)

㉘ DETAIL "F": BUILDING DRY FLOOD PROOF REQUIREMENT

SCALE: NTS

PLAN PREPARED BY:

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CIVIL ENGINEERING | PLANNING | PERMITTING
P.O. Box 199 | Cambria | CA 93428
805.706.0401 www.civil-studio.com

ENGINEER OF RECORD:

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CIVIL

PROJECT NAME:

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APN: 013-101-072

PLANS PREPARED FOR:

CAMBRIA COMMUNITY SERVICES DISTRICT
1316 TAMSON DRIVE, SUITE 201
CAMBRIA, CA 93428

REVISIONS:

1	1ST PLAN CHECK CORRECTIONS
2	2ND PLAN CHECK CORRECTIONS
3	3RD PLAN CHECK CORRECTIONS

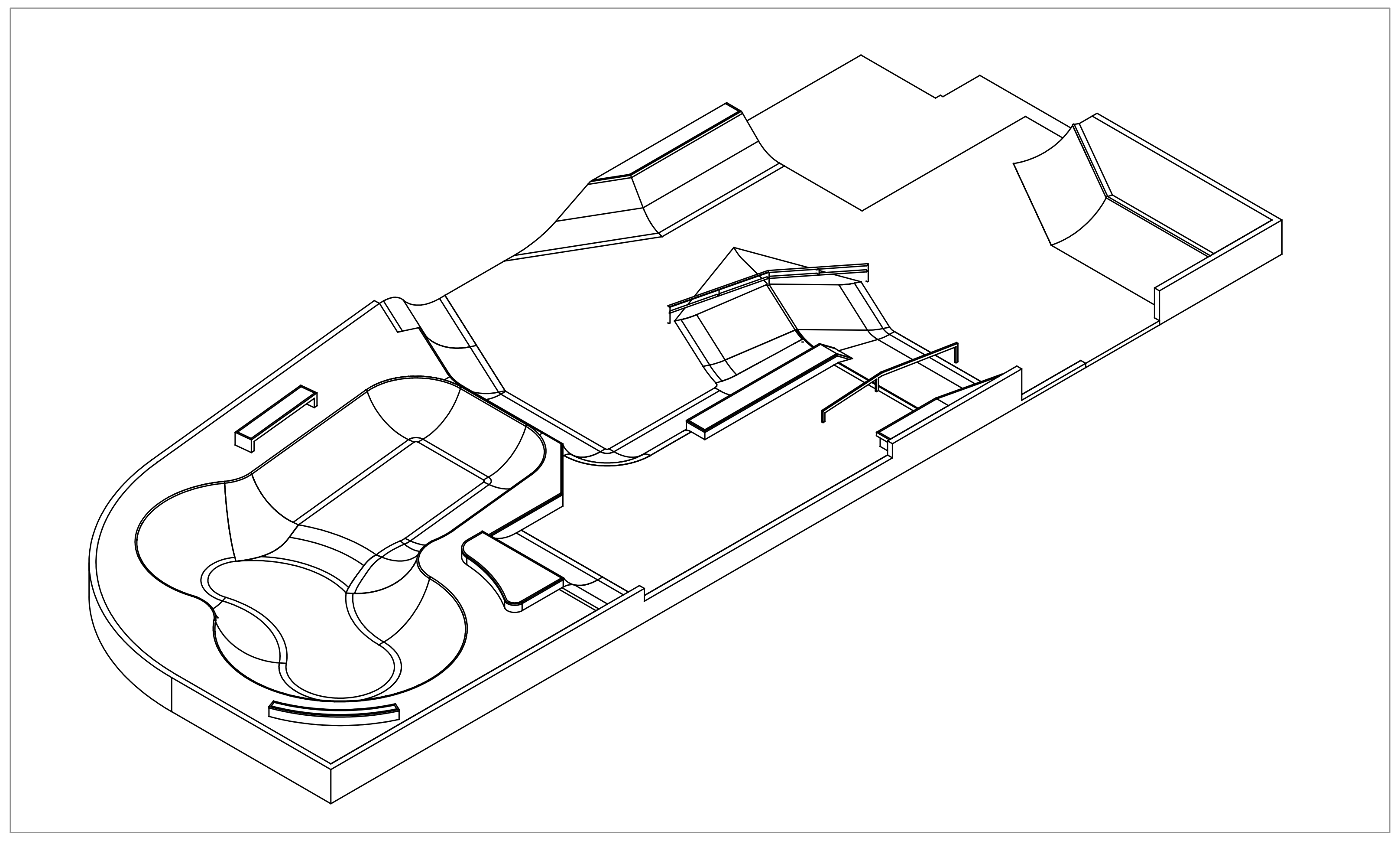
REVIEWED BY: MRS
PREPARED BY: JTI
DATE: MARCH 10, 2025
CDS JOB #: 22-011

DETAIL SHEET

C802

SHEET ---- OF 8 SHEETS

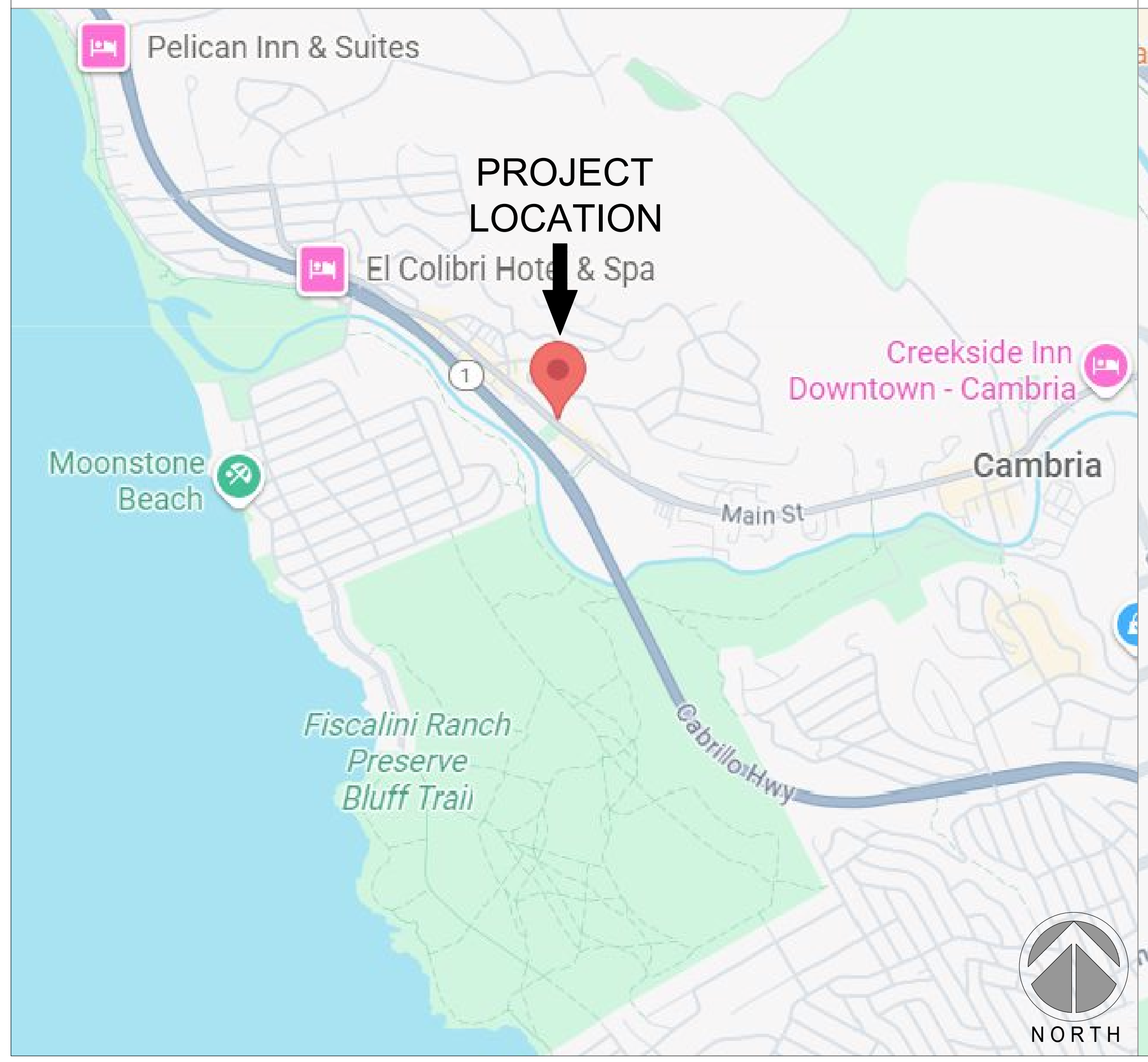
CONSTRUCTION PLAN SET
PREPARED FOR
CAMBRIA SKATEPARK



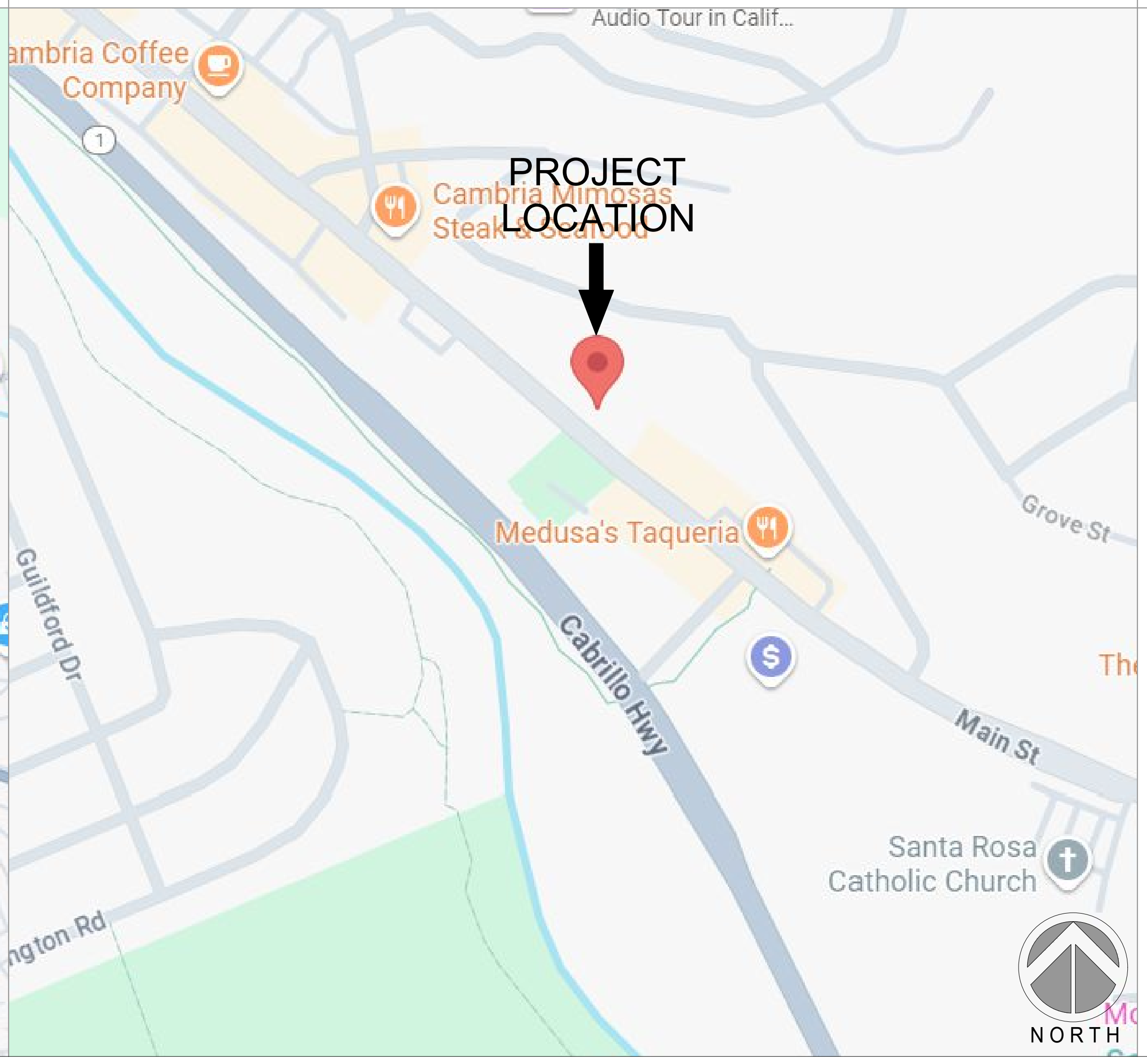
CITY OF CAMBRIA, CA

PLAN DATE IDENTIFIER
March 3, 2026
DATE OF LAST REVISIONS

VICINITY MAP


Pelican Inn & Suites
PROJECT
LOCATION
El Colibri Hotel & Spa
Creekside Inn
Downtown - Cambria
Moonstone
Beach
Cambria
Main St
1
Fiscalini Ranch
Preserve
Bluff Trail
Cabrillo Hwy
NORTH

LOCATION MAP


Audio Tour in Calif...
ambria Coffee
Company
1
PROJECT
LOCATION
Cambria Mimosas
Steak & Seafood
Medusa's Taqueria
Grove St
Guildford Dr
Cabrillo Hwy
Main St
Santa Rosa
Catholic Church
ngton Rd
NORTH

PROJECT INFORMATION

OWNER/ DEVELOPER
CAMBRIA COMMUNITY SERVIES DISTRICT
1316 TAMSON DRIVE, SUITE 201
CAMBRIA, CA 93428

SITE ADDRESS
975 MAIN STREET
CAMBRIA, CA 93428

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SKATE PARK DESIGNED BY
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DOCUMENTS BY
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PLAN CHECKED BY
DH, MB

DATE
3/3/2026

PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
TITLE SHEET

SHEET
SK1.0
1 OF 17

GENERAL NOTES

DESIGN CRITERIA

1. THESE GENERAL NOTES APPLY UNLESS NOTED OTHERWISE ON CONSTRUCTION DRAWINGS.
2. COMPLY WITH CURRENT LOCAL BUILDING CODE EXCEPT AS NOTED HEREIN.
3. TESTING SERVICES: OWNER TO BEAR ALL ASSOCIATED COSTS FOR TESTING SERVICES. COORDINATE THE FOLLOWING TESTING WITH THE OWNER SELECTED TESTING AGENCY (IF REQUIRED BY THE PROJECT SPECIFICATIONS):
   - A. MATERIAL EVALUATIONS TESTS FOR CONCRETE MIX, AGGREGATE BASE, SUBGRADE, AND STRUCTURAL FILL.
   - B. INSPECTION OF STRUCTURAL FILL PLACEMENT AND COMPACTION.
   - C. INSPECTION OF FINAL SUBGRADE.
   - D. BASE MATERIAL COMPACTION TEST FOR EVERY 2500 S.F. OF CONCRETE FLATWORK IN SKATEPARK AREA TO ENSURE 90% COMPACTION IN ACCORDANCE WITH CIVIL ENGINEERING SPECIFICATIONS AND TESTING AGENCY RECOMMENDATIONS.

SHOP DRAWINGS

1. THE SHOP DRAWING REVIEW IS INTENDED TO HELP THE SKATEPARK DESIGNER VERIFY THEIR DESIGN CONCEPT. THIS REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH DESIGN DRAWINGS & SPECIFICATIONS, WHICH HAVE A PRIORITY OVER SHOP DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMED & CORRELATED DIMENSIONS, FABRICATION PROCESSES, MEANS, METHODS, TECHNIQUES, SAFETY, AND COORDINATION OF THE WORK WITH OTHER TRADES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK THE ACCURACY OF HIS OWN SHOP DRAWINGS AND THOSE OF HIS SUBCONTRACTORS, PRIOR TO SUBMITTAL.
2. THE SHOP DRAWINGS WILL BE RETURNED FOR RESUBMITTAL IF A CURSORY REVIEW SHOWS MAJOR ERRORS WHICH SHOULD HAVE BEEN FOUND BY THE CONTRACTOR'S CHECKING. ALL SHOP DRAWINGS SHALL INCLUDE PLAN LAYOUTS SHOWING LOCATIONS OF ITEMS DETAILED ON THE SHOP DRAWINGS. ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE CLOUDED ON SHOP DRAWINGS. ANY OF THE CHANGES WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED REVIEWED AFTER SKATEPARK DESIGNER'S REVIEW UNLESS NOTED ACCORDINGLY.
3. ANY RESUBMITTAL OF A DETAIL SHEET WITH CHANGED INFORMATION SHALL BE ACCOMPANIED BY LOCATION PLAN IDENTIFYING THE MEMBERS INVOLVED, AND CLOUDING AROUND CHANGED INFORMATION.
4. ANY ENGINEERING SUBMITTED FOR REVIEW SHALL BE APPROPRIATELY SEALED. FULL RESPONSIBILITY OF SUCH ENGINEERING RESTS WITH THE PERSON SEALING THE DESIGN.

EARTHWORK

1. ESTABLISH AND MAINTAIN REQUIRED LINES AND GRADE ELEVATIONS.
2. REMOVE UPPER FOUR TO SIX INCHES OR MORE OF TOPSOILS CONTAINING SURFICIAL VEGETATION, GRASS, ROOTS, AND ORGANIC MATERIAL FROM WITHIN AND TO A POINT AT LEAST FIVE FEET BEYOND THE BUILDING LINES/SKATEPARK LIMITS. THESE SOILS ARE GENERALLY NOT CONSIDERED SUITABLE FOR RE-USE AS STRUCTURAL FILL AND SHOULD BE STOCKPILED IN DESIGNATED AREAS BEYOND THE CONSTRUCTION LIMITS, OR REMOVED FROM THE SITE. COORDINATE STOCKPILE LOCATION WITH OWNER. IF REMOVED FROM SITE, DISPOSE OF IN A LEGAL MANNER. STOCKPILED MATERIAL TO BE STABILIZED IF LEFT UNDISTURBED FOR GREATER THAN 7 DAYS.
3. COMPACT THE EXPOSED SUBGRADE ACROSS THE SITE TO ESTABLISH A FIRM AND UNYIELDING SURFACE. UNDER SUPERVISION OF CITY PROVIDED GEOTECHNICAL ENGINEER, PROOF-ROLL EXPOSED SUBGRADES WITH CONSTRUCTION EQUIPMENT TO ASSIST IN THE EVALUATION OF THE SUBGRADES ACROSS THE SITE. IF UNSTABLE AREAS ARE DETECTED, AN INITIAL ATTEMPT MUST BE MADE TO AERATE (12 INCHES MIN.) AND DENSIFY THE SUBGRADE BY RECOMPACTION WHERE NATURAL MOISTURE CONTENTS ARE AT APPROPRIATE LEVELS. IF THIS PROCEEDURE IS INEFFECTIVE, THE DISTURBED SOILS SHOULD BE UNDERCUT AND REPLACED WITH CLEAN FILL AND/OR STABILIZING MATERIALS. COMPACT TO AT LEAST 90% OF THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698 STANDARD PROCTOR METHOD. FILL AND CONSOLIDATE DEPRESSED AREAS. A FIRM, NON-YIELDING SUBGRADE SHOULD BE ESTABLISHED PRIOR TO PROCEEDING WITH FILL PLACEMENT.
4. SOIL COMPACTION SHALL BE ACHIEVED BY MEANS OF PNEUMATIC TIRE ROLLERS, HOE PACKS, RIDE-ON DRUM ROLLER OR OTHER MECHANICAL TAMPERS (PLATE, RAMMER, OR WALK BEHIND ROLLER).
5. PROVIDE STRUCTURAL FILL AS REQUIRED TO MEET PROPOSED SUBGRADE ELEVATIONS IN ACCORDANCE WITH GRADING PLAN.
6. BUILD UP SUBGRADE USING STOCKPILED MATERIAL AND/OR APPROVED MATERIAL WITH LOW PLASTICITY. THE FILL SHOULD BE PLACED IN LIFTS THIN ENOUGH TO ATTAIN THE SPECIFIED COMPACTION LEVEL THROUGHOUT THE ENTIRE LIFT THICKNESS. PRIOR TO COMPACTION, MOISTURE CONDITION AS NEEDED. COMPACT EACH LIFT TO AT LEAST 90 PERCENT OF ASTM D698.
7. THE EARTHWORK SHALL BE DONE UNDER SUPERVISION OF A SOILS ENGINEER RETAINED BY THE OWNER (IF REQUIRED BY THE PROJECT), WHO SHALL VERIFY ABOVE SPECIFICATIONS FOR THE SUPPORT OF SLAB ON GRADE AND FOR THE CONTROL OF SOIL SWELLING. FIELD DENSITY TESTS TO DETERMINE THE LEVEL OF COMPACTION BEING ACHIEVED IN THE FILL SHALL BE PERFORMED ON EACH LIFT AT THE BEGINNING OF FILL PLACEMENT AND AT A FREQUENCY MUTUALLY AGREED UPON BY THE PROJECT TEAM FOR THE REMAINDER OF THE PROJECT.
8. EXCAVATION AND COMPACTION OF FILL FOR SUBGRADE PREP SHALL EXTEND A MINIMUM OF 2 FEET (NO MORE THAN 5 FEET MAXIMUM) BEYOND SKATE PARK FOOTPRINT.
9. PROCEED WITH SUB-BASE AS REQUIRED ONLY AFTER NONCONFORMING CONDITIONS HAVE BEEN CORRECTED AND SUBGRADE HAS BEEN INSPECTED. A FIRM, NON-YIELDING SUBGRADE SHOULD BE ESTABLISHED PRIOR TO BASE COURSE PLACEMENT.
10. PROVIDE THE SPECIFIED DEPTH OF COMPACTED AGGREGATE BASE MATERIAL IF REQUIRED. COMPACT AGGREGATE BASE TO 90% OF THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698 STANDARD PROCTOR METHOD IF REQUIRED.
11. PROCEED WITH CONCRETE ONLY AFTER NONCONFORMING CONDITIONS HAVE BEEN CORRECTED, SUBGRADE HAS BEEN INSPECTED, AND FORMWORK AND FIELD MOCK-UPS HAVE BEEN REVIEWED.
12. A SOILS REPORT DOES EXIST FOR THIS PROJECT. OWNER SHALL RETAIN A SOILS ENGINEER IF SO REQUIRED BY THE PROJECT, TO VERIFY EXCAVATIONS FOR ASSUMED ALLOWABLE SOIL BEARING, LOW SETTLEMENT AND SWELL POTENTIAL, AND TO MAKE ANY ADDITIONAL RECOMMENDATIONS.

FORMS

1. FORM MATERIALS: PLYWOOD, METAL, METAL-FRAMED PLYWOOD, OR OTHER APPROVED PANEL-TYPE MATERIALS FREE FROM DEFECTS AND DISTORTION, AND TO PROVIDE FULL-DEPTH, CONTINUOUS, STRAIGHT, SMOOTH EXPOSED SURFACES.
2. USE FLEXIBLE OR CURVED FORMS AS REQUIRED TO PROVIDE VERTICAL AND HORIZONTAL RADII AS INDICATED IN THE DRAWINGS.
3. PROVIDE 2” NOMINAL THICKNESS, SURFACED PLANK WOOD FORMS FOR STRAIGHT SECTIONS. USE FLEXIBLE METAL, 1” LUMBER, OR PLYWOOD FORMS FOR RADIUS BENDS. DO NOT OVERLAP FORMS, CREATING AN OFFSET FINISHED EDGE.
4. FORM-RELEASE AGENT: COMMERCIALLY FORMULATED FORM-RELEASE AGENT THAT WILL NOT BOND WITH, STAIN, OR ADVERSELY AFFECT CONCRETE SURFACES AND WILL NOT IMPAIR SUBSEQUENT TREATMENTS OF CONCRETE SURFACES.
5. EDGE FORMS AND SCREED CONSTRUCTION
   - A. SET, BRACE, AND SECURE EDGE FORMS, BULKHEADS, AND INTERMEDIATE SCREED GUIDES FOR PAVEMENT TO REQUIRED LINES, GRADES, AND ELEVATIONS. INSTALL FORMS TO ALLOW CONTINUOUS PROGRESS OF WORK.
   - B. CLEAN FORMS AFTER EACH USE AND COAT WITH FORM RELEASE AGENT TO ENSURE SEPARATION FROM CONCRETE WITHOUT DAMAGE.

REINFORCING

1. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60. FOR REINFORCING THAT IS TO BE WELDED, CONFORM TO ASTM A706 GRADE 60. USE ASTM A-108 GRADE 60 FOR ALL WELDED ANCHORS.
2. JOINT DOWEL BARS: PLAIN STEEL DOWELS, ASTM A 615/A 615M, GRADE 60. CUT BARS TRUE TO LENGTH WITH ENDS SQUARE AND FREE OF BURRS.
3. SLIP DOWEL SLEEVES ARE ACCEPTABLE, SUCH AS SPEED DOWELS BY GREENSTREAK, INC., OR APPROVED EQUAL.
4. BAR SUPPORTS: BOLSTERS, CHAIRS, SPACERS AND OTHER DEVICES FOR SPACING, SUPPORTING, AND FASTENING REINFORCEMENTS BARS, AND DOWELS IN PLACE. MANUFACTURE BAR SUPPORTS ACCORDING TO CRSI'S “MANUAL OF STANDARD PRACTICE” FROM STEEL WIRE, PLASTIC, OR PRECAST CONCRETE OR FIBER-REINFORCED CONCRETE OF GREATER COMPRESSIVE STRENGTH THAN CONCRETE.
5. ALL REINFORCING BARS TO BE DEFORMED. CLEAR CONCRETE COVERAGES TO ANY REINFORCING INCLUDING TIES ARE AS FOLLOWS:
   - A. 2" FORMED CONCRETE EXPOSED TO EARTH OR WEATHER.
   - B. 1" SLABS AND JOISTS NOT EXPOSED TO WEATHER.
   - C. 1-1/2" ALL OTHER.
6. SMALLER CLEARANCES PERMISSIBLE FOR PRECAST OR PRESTRESSED.
7. TENSION LAP SPLICES IN CONCRETE: UNLESS NOTED OTHERWISE, PROVIDE THE FOLLOWING:
   - A. #3, 9"; #4, 12". 30X DIAMETER FOR TOP BARS
8. MINIMUM CLEAR COVER FOR SPLICED REINFORCING IS GREATER THAN ONE BAR DIAMETER, AND MINIMUM CLEAR SPACING IS GREATER THAN TWO BAR DIAMETERS. SPLICE BOTTOM BAR OVER SUPPORTS AND TOP BAR AT MIDSPAN ONLY. WHERE BARS ARE SHOWN SPLICED, THEY MAY RUN CONTINUOUS AT CONTRACTOR'S OPTION.

CONCRETE

1. PROVIDE MIX DESIGNS THAT WILL MEET THE MINIMUM REQUIREMENTS LISTED HEREIN:
   - A. MINIMUM 28-DAY STRENGTH: 4000 PSI
   - B. TYPE I/II/IL CEMENT - WHICHEVER IS AVAILABLE LOCALLY
   - C. SMALL TO MEDIUM AGGREGATE (1" MAX.)
   - D. WATER/CEMENT RATIO OF .45 OR LESS
   - E. MIX DESIGNS CONTAINING FLY ASH: THE AMOUNT OF FLY ASH USED SHALL NOT EXCEED 20% BY WEIGHT OF THE COMBINED WEIGHT OF FLY ASH PLUS CEMENT.
   - F. AIR ENTRAINMENT NOT TO EXCEED 3%.
2. DO NOT INSTALL CONCRETE WORK OVER SATURATED, MUDDY, OR FROZEN SUBGRADE.
3. PROTECT ADJACENT WORK AND PROVIDE TEMPORARY BARRICADES AS REQUIRED FOR PROTECTION OF PROJECT WORK AND PUBLIC SAFETY.
4. MECHANICALLY VIBRATE ALL CONCRETE FLATWORK WHEN PLACED, EXCEPT THAT SLABS ON GRADE AND SLABS ON DECK NEED TO BE VIBRATED ONLY AROUND EMBEDDED ITEMS.
5. CONCRETE CYLINDERS SHALL BE TAKEN AND TESTED PER THE ACI CODE, WHEN REQUIRED BY THE PROJECT. FREQUENCY= 1 SET OF CYLINDERS PER 50 CY'S PLACED. OWNER TO BEAR ALL COSTS.
6. ALL REINFORCING, INCLUDING DOWELS AND ANCHOR BOLTS, SHALL BE SECURELY TIED IN LOCATION BEFORE PLACING CONCRETE OR GROUT. DOWELS WILL NOT BE ALLOWED TO BE "STABBED" IN.
7. IN AN EFFORT TO CONTROL SHRINKAGE AND QUALITY, FLATWORK/FLOORS SHOULD BE PLACED IN SECTIONS OF 25 CY’S OR LESS.
8. CONDUITS, PIPES, AND SLEEVES EMBEDDED IN CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF ACI 6.3.

CONCRETE PLACEMENT

1. CONSOLIDATE CONCRETE BY MECHANICAL VIBRATING EQUIPMENT SUPPLEMENTED BY HAND-SPADING, RODDING OR TAMPING. USE EQUIPMENT AND PROCEDURES TO CONSOLIDATE CONCRETE ACCORDING TO RECOMMENDATIONS IN ACI 309R.
   - A. CONSOLIDATE CONCRETE ALONG FACE OF FORMS AND ADJACENT TO TRANSVERSE JOINTS WITH AN INTERNAL VIBRATOR. KEEP VIBRATOR AWAY FROM JOINT ASSEMBLIES, REINFORCEMENT, OR SIDE FORMS. USE ONLY SQUARE-FACED SHOVELS FOR HAND-SPREADING AND CONSOLIDATION. CONSOLIDATE WITH CARE TO PREVENT DISLOCATING REINFORCEMENT, DOWELS, AND JOINT DEVICES.
2. COLD WEATHER PLACEMENT: COMPLY WITH ACI 306.1 AND AS FOLLOWS. PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH THAT COULD BE CAUSED BY FROST, FREEZING ACTIONS, OR LOW TEMPERATURES.
   - A. WHEN AIR TEMPERATURE HAS FALLEN TO OR IS EXPECTED TO FALL BELOW 40 DEG F, UNIFORMLY HEAT WATER AND AGGREGATES BEFORE MIXING TO OBTAIN A CONCRETE MIXTURE TEMPERATURE OF NOT LESS THAN 50 DEG F AT POINT OF PLACEMENT.
   - B. DO NOT USE FROZEN MATERIALS OR MATERIALS CONTAINING ICE OR SNOW.
   - C. DO NOT USE CALCIUM CHLORIDE, SALT, OR OTHER MATERIALS CONTAINING ANTIFREEZE AGENTS OR CHEMICAL ACCELERATORS, UNLESS OTHERWISE SPECIFIED AND APPROVED IN MIX DESIGNS.
3. HOT-WEATHER PLACEMENT: PLACE CONCRETE ACCORDING TO RECOMMENDATION IN ACI 305R AND AS FOLLOWS WHEN HOT-WEATHER CONDITIONS EXIST:
   - A. COOL INGREDIENTS BEFORE MIXING TO MAINTAIN CONCRETE TEMPERATURE AT TIME OF PLACEMENT BELOW 100 DEG FAHRENHEIT. CHILLED MIXING WATER OR CHOPPED ICE MAY BE USED TO CONTROL TEMPERATURE, PROVIDED WATER EQUIVALENT OF ICE IS CALCULATED TO TOTAL AMOUNT OF MIXING WATER. USING LIQUID NITROGEN TO COOL CONCRETE IS CONTRACTORS OPTION.
   - B. FOG-SPRAY FORMS, REINFORCEMENT STEEL, AND SUBGRADE JUST BEFORE PLACING CONCRETE. KEEP SUBGRADE MOISTURE UNIFORM WITHOUT STANDING WATER, SOFT SPOTS, OR DRY AREAS.
4. **FINISH: ALL EXPOSED CONCRETE SURFACES ARE TO BE HARD STEEL TROWEL FINISH UNLESS OTHERWISE NOTED. TROWEL UNTIL ALL VISIBLE PORES ARE CLOSED. CEASE TROWELING BEFORE SURFACE BECOMES GLOSSY. DO NOT BROOM FINISH AND DO NOT TROWEL BURN SURFACE**.
   - a. ALL EDGE TOOLING SHOULD BE 1/8 INCH RADIUS UNLESS OTHERWISE SPECIFIED.
5. COLOR: ALL CONCRETE SURFACES ARE TO BE NATURAL GRAY COLOR UNLESS OTHERWISE NOTED. MINOR VARIATIONS IN APPEARANCE OF COLORED CONCRETE, WHICH ARE SIMILAR TO NATURAL VARIATIONS IN COLOR AND APPEARANCE OF UNCOLORED CONCRETE, ARE ACCEPTABLE. DO NOT BROOM FINISH AND DO NOT TROWEL BURN SURFACE.

CONCRETE PROTECTION AND CURING

1. GENERAL: PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES. COMPLY WITH ACI 306.1 FOR COLD-WEATHER PROTECTION AND FOLLOW RECOMMENDATIONS IN ACI 305R FOR HOT-WEATHER PROTECTION DURING CURING. KEEP MOIST FOR NECESSARY AMOUNT OF TIME TO REACH CONCRETE STRENGTH AND INHIBIT MOISTURE LOSS AFTER PLACING.
2. EVAPORATION RETARDANT: WATERBORNE, MONOMOLECULAR FILM FORMING, MANUFACTURED FOR APPLICATION TO FRESH CONCRETE, SUCH AS EUCOBAR EVAPORATION RETARDANT BY THE EUCLID CHEMICAL COMPANY. APPLY EVAPORATION RETARDANT TO CONCRETE SURFACES IF HOT, DRY, OR WINDY CONDITIONS CAUSE MOISTURE LOSS BEFORE AND DURING FINISHING OPERATIONS. APPLY TO EXPOSED SURFACE OF CONCRETE ACCORDING TO MANUFACTURERS WRITTEN INSTRUCTIONS AS NECESSARY.
3. BEGIN CURING AFTER FINISHING CONCRETE, BUT NOT BEFORE FREE WATER HAS DISAPPEARED FROM CONCRETE SURFACE.
4. CURING METHODS: CURE CONCRETE BY CURING COMPOUND, MOISTURE CURING, MOISTURE-RETAINING-COVER CURING, OR A COMBINATION OF THESE AS FOLLOWS:
   - A. CURING COMPOUND: MEET REQUIREMENTS OF MANUFACTURER’S CURRENT PRINTED APPLICATION INSTRUCTIONS AND COVERAGE RATE CHART. FOR HORIZONTAL APPLICATIONS, IMMEDIATELY APPLY AFTER ALL SURFACE WATER HAS DISAPPEARED AND THE CONCRETE SURFACE IS HARD ENOUGH TO WALK ON. FOR VERTICAL APPLICATIONS, APPLY IMMEDIATELY AFTER REMOVING THE CONCRETE FORMS. APPLY IN A UNIFORM AND CONTINUOUS MANNER. AVOID OVER-APPLICATION OR PUDDLING OF CURING COMPOUND. PROTECT SURFACE FROM WATER, ADJACENT SHOTCRETE WORK, AND DEBRIS.
   - B. MOISTURE CURING: KEEP SURFACES CONTINUOUSLY MOIST FOR NOT LESS THAN SEVEN DAYS WITH THE FOLLOWING MATERIALS:
     - WATER.
     - CONTINUOUS WATER-FOG SPRAY.
     - ABSORPTIVE COVER, WATER SATURATED, AND KEPT CONTINUOUSLY WET. COVER CONCRETE SURFACES AND EDGES, OVERLAP SEAMS MIN. 6" BETWEEN ADJACENT ABSORPTIVE COVERS.
   - C. MOISTURE-RETAINING-COVER CURING: COVER CONCRETE SURFACES WITH MOISTURE-RETAINING COVER FOR CURING CONCRETE, PLACED IN WIDEST PRACTICABLE WIDTH, WITH SIDES AND ENDS LAPPED AT LEAST 6 INCHES.

CURING MATERIALS

1. ABSORPTIVE COVER: AASHTO M 182, CLASS 2, BURLAP CLOTH MADE FROM JUTE OR KENAF, WEIGHING APPROXIMATELY 9OZ./SQ. YD. DRY.
2. MOISTURE-RETAINING COVER: ASTM C 171, POLYETHYLENE FILM OR WHITE BURLAP-POLYETHYLENE SHEET (BUR LENE).
3. WATER: POTABLE.
4. CURING COMPOUND: ASTM C-309, CLEAR, WATER-BASED, NO VOLATILE, NON-STAINING, MEMBRANE-FORMING, COMPATIBLE WITH SUBSEQUENT CONCRETE TREATMENTS. ACCEPTABLE PRODUCT: W.R. MEADOWS 1100-CLEAR, OR APPROVED EQUAL.

JOINT MATERIALS

1 EXPANSION AND ISOLATION JOINT FILLER STRIPS: EXPANSION JOINT MATERIALS SHALL BE FLEXIBLE POLYETHYLENE CLOSED CELL FOAM OR SIMILAR AND SUPPLIED BY CONCRETE CONTRACTOR. DECK-O-FOAM OR EQUIVALENT.

2 EXPANSION JOINT SEALANT: SIKAFLEX - 1A NS TG POLYURETHANE ELASTOMERIC SEALANT, OR APPROVED EQUAL. COLOR OF CAULK SHOULD RESEMBLE NATURAL COLOR OF CONCRETE (ALUMINUM GRAY OR LIMESTONE).

3 SAW CUT JOINT SEALANT: SIKAFLEX-1C SL HIGH PERFORMANCE, SELF-LEVELING, 1-PART POLYURETHANE SEALANT, OR APPROVED EQUAL. COLOR OF CAULK SHOULD RESEMBLE NATURAL COLOR OF CONCRETE (ALUMINUM GRAY OR LIMESTONE)

4 JOINTS ARE TO BE CLEANED PRIOR TO SEALING. JOINTS TO BE CUT TO BE CONSISTENT WITH SAW CUT DETAIL - 1/8" WIDE BY 1/4" DEPTH OF SLAB. INSPECTIONS ARE REQUIRED PRIOR TO SEALING.

JOINTS

1. GENERAL: CONSTRUCT CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS AND TOOL EDGINGS TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE.
2. JOINTING PLAN IS TO PROVIDE GUIDANCE TO THE CONTRACTOR FOR THE USE OF SAWCUTS, COLD + EXPANSION JOINTS. ACTUAL FIELD VARIANCES MAY BE NECESSARY AND WILL TAKE PRECEDENCE OVER THE GUIDE. CONTRACTOR SHALL CUT/JOINT CONCRETE AS NEEDED TO HELP MINIMIZE CRACKING AND ENHANCE SKATEABILITY.
3. EXPANSION JOINTS: FORM EXPANSION JOINTS WITH SPECIFIED JOINT-FILLER STRIPS WHERE INDICATED. EXTEND JOINT FILLERS FULL WIDTH AND DEPTH OF JOINT.
4. INSTALL DOWEL BARS AND SUPPORT ASSEMBLIES AT JOINTS WHERE INDICATED. LUBRICATE OR ASPHALT-COAT ONE-HALF DOWEL LENGTH TO PREVENT CONCRETE BONDING TO ONE SIDE OF JOINT. SPEED DOWELS, OR SIMILAR, ARE AN ACCEPTABLE ALTERNATIVE.
5. CONTROL JOINTS: FORM WEAKENED-PLANE JOINTS, SECTIONING CONCRETE INTO AREAS AS INDICATED. CONSTRUCT CONTROL JOINTS FOR A DEPTH AS INDICATED IN THE DRAWINGS (GENERALLY 1/4 OF THE PAVEMENT THICKNESS), AS FOLLOWS:
   - A. SAWED JOINTS: FORM CONTROL JOINTS WITH POWER SAWS EQUIPPED WITH SHATTERPROOF ABRASIVE OR DIAMOND-RIMMED BLADES. CUT 1/8 INCH WIDE JOINTS INTO CONCRETE WHEN CUTTING ACTION WILL NOT TEAR, ABRADE, OR OTHERWISE DAMAGE SURFACE AN BEFORE DEVELOPING RANDOM CONTRACTION CRACKS. EARLY SAW CUTS ARE APPROXIMATELY 1 INCH DEEP, REGARDLESS OF PAVEMENT THICKNESS. REFER TO CONTROL JOINT GUIDE DRAWING OF PLAN SET IF APPLICABLE.
   - B. ALIGN SAWCUTS WITH EXPANSION AND COLD JOINTS AND START FROM CORNERS WHERE POSSIBLE TO HELP MINIMIZE CRACKING. SAWCUTS SHOULD BE APPROXIMATELY 10'x12' AND/OR APPROXIMATELY 120 SQUARE FEET WITH ROUGHLY A 2:1 ASPECT RATIO BETWEEN SAWCUTS AND COLD OR EXPANSION JOINTS.
   - C. IF SKATEPARK PROJECT DESIGN UTILIZES POURED STEPS, CONTROL JOINTS MUST BE CUT 3 - 4 FEET FROM THE EDGE OF THE TOP STEP.
6. POST CURE DETAIL WORK (AS NEEDED): GRIND SMOOTH ANY INCONSISTENCIES IN THE FINISH OR HIGH SPOTS BETWEEN POURS.

METALS

5. FURNISH MATERIALS AND PERFORM LABOR REQUIRED TO EXECUTE THIS WORK AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS NECESSARY TO COMPLETE THE CONTRACT, INCLUDING, BUT NOT LIMITED TO BOWL STEEL COPING, LEDGE STEEL EDGING, HANDRAILS, AND GRIND RAILS.
6. USING SKILLED WORKERS, FORM AND FABRICATE ITEMS OF WORK AS INDICATED AND AS REQUIRED TO MEET INSTALLATION CONDITIONS. MAKE PROVISIONS TO CONNECT WITH OR RECEIVE THE WORK OF OTHER TRADES.
7. USE MATERIALS OF SIZE AND THICKNESS SHOWN OR, IF NOT SHOWN, OF REQUIRED SIZE AND THICKNESS TO PRODUCE STRENGTH AND DURABILITY IN THE FINISHED PRODUCT.
8. UNLESS OTHERWISE INDICATED, WELD OR BOLT CONNECTIONS BETWEEN MEMBERS. WHERE POSSIBLE, CONCEAL CONNECTIONS ON THE FINISHED WORK. FIT OR MITER EXPOSED JOINTS TO HAIRLINE TOLERANCE OR USE WELDED JOINTS. ON FINISHED SURFACES, GRIND ALL WELDS SMOOTH AND FLUSH WITH BASE METAL.
9. WELD CONNECTIONS WHICH ARE NOT TO BE LEFT AS EXPOSED JOINTS, BUT CANNOT BE SHOP WELDED BECAUSE OF SHIPPING SIZE LIMITATIONS.
10. CAP ALL EXPOSED TUBE OR PIPE ENDS. USE SIZE AND THICKNESS OF MATERIAL SHOWN. PROPERLY FIT AND WELD CAP AT JOINT, GRIND WELD SMOOTH AND FLUSH WITH BASE METAL.
11. BEND PIPE OR TUBING WITHOUT COLLAPSING OR DEFORMING THE WALLS, SO AS TO PRODUCE A SMOOTH UNIFORM CURVED SECTION AND MAINTAIN UNIFORM SECTIONAL SHAPE.
12. WHERE ITEMS ARE TO BE IMBEDDED IN CONCRETE OR MASONRY, PROVIDE WELDED-ON ANCHORS OR LUGS AS INDICATED OR REQUIRED.
13. PROVIDE TEMPORARY BRACING OR ANCHORS IN FORMWORK FOR ITEMS WHICH ARE TO BE BUILT INTO CONCRETE OR SIMILAR CONSTRUCTION.
14. FASTENING TO IN-PLACE CONSTRUCTION: PROVIDE ANCHORING DEVICES AND FASTENERS WHERE NECESSARY FOR SECURING MISCELLANEOUS METAL FABRICATIONS TO IN-PLACE CONSTRUCTION INCLUDING THREADED FASTENERS FOR CONCRETE INSERTS, OR OTHER CONNECTORS AS REQUIRED.
15. GALVANIZING REPAIR--USE A HIGH ZINC DUST CONTENT PAINT FOR RE-GALVANIZING WELDS IN GALVANIZED STEEL. HOT GALVANIZED SOLDER IS ALSO ACCEPTABLE. USE RUST-OLEUM COLD GALVANIZING COMPOUND SPRAY, OR SIMILAR.
16. ALL WELDING SHALL CONFORM TO REQUIREMENTS OF AWS STANDARDS. ALL WELDING SHALL BE SHIELDED METAL ARC WELDING. WELDS IN FINISH WORK SHALL BE FILLED OUT FLUSH, GROUND AND DISTRESSED.
17. ASTM A-36 FOR C, MC, ANGLES, AND PLATES.
18. ASTM A-53 GRADE B OR A-500 GRADE B OR A-501 GRADE B FOR STEEL PIPES.
19. ASTM A-123 STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS
20. ASTM A-780 STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS.

SUPPLEMENTARY NOTES

1. THESE CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE IMPROVEMENTS, WORKERS, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, MEANS AND METHODS, BRACING, SHORING, FORMS, SCAFFOLDING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD ELEMENTS IN PLACE DURING CONSTRUCTION. OBSERVATION VISITS TO THE SITE BY THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
2. OPTIONS AND SUBSTITUTIONS (APPROVED BY OWNER/SKATEPARK DESIGNER/ARCHITECT) ARE FOR CONTRACTOR'S CONVENIENCE. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING ALL CHANGES AND ADDITIONAL COSTS NECESSARY AND SHALL COORDINATE ALL DETAILS WITH SKATEPARK DESIGNER THROUGH PRIME CONTRACTOR.
3. ANY ENGINEERING DESIGN PROVIDED BY CONTRACTOR OR OTHERS AND SUBMITTED FOR REVIEW SHALL BE WET SIGNED AND STAMPED BY AN INSURED REGISTERED STRUCTURAL OR CIVIL ENGINEER LICENSED IN THE STATE OF WHICH THE PROJECT IS LOCATED, IF REQUIRED BY CITY OR COUNTY.
4. UNLESS NOTED OTHERWISE, DETAILS ON CONSTRUCTION DRAWINGS ARE TYPICAL AS INDICATED BY CUTS, REFERENCES, OR TITLES. ALL DETAILS SHOWN SHALL BE IMPORTED INTO THE PROJECT AT ALL APPROPRIATE LOCATIONS, WHETHER SPECIFICALLY INDICATED OR NOT. TYPICAL DETAILS MAY OR MAY NOT BE REFERENCED ON THE DOCUMENTS, BUT SHALL APPLY AT ALL LOCATIONS, UNLESS NOTED OTHERWISE. WHERE NO DETAIL CUTS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK SHOWN ELSEWHERE ON THE PROJECT. FOR BIDDING PURPOSES, WHERE ANY SHOWN MEMBER OR STRUCTURAL ELEMENT IS NOT SIZED ON THE DOCUMENTS, THE LARGEST SIMILAR MEMBER USED IN THE PROJECT SHALL BE UTILIZED.
5. ALL DIMENSIONS AND ELEVATIONS SHOWN ON CONSTRUCTION DRAWINGS SHALL BE VERIFIED WITH ARCHITECTURAL DRAWINGS (IF REQUIRED BY THE PROJECT). RESOLVE ALL DISCREPANCIES WITH SKATEPARK DESIGNER AND PRIME CONTRACTOR PRIOR TO START OF CONSTRUCTION. DO NOT SCALE DRAWINGS.
6. CONTRACTOR SHALL ESTABLISH AND VERIFY IN FIELD ALL EXISTING CONDITIONS AFFECTING NEW CONSTRUCTION. CONTACT SKATEPARK DESIGNER AND PRIME CONTRACTOR IMMEDIATELY IF EXISTING CONDITIONS ARE NOT AS DEPICTED IN DRAWINGS.
7. ***SKATE FEATURE DESIGN AND LAYOUT ARE THE RESPONSIBILITY OF THE SKATEPARK DESIGNER.**

PAVEMENT TOLERANCES

1. CONTRACTOR MUST ACHIEVE POSITIVE DRAINAGE FOR ALL SURFACES WITHIN THE SKATEPARK AREA WHENEVER POSSIBLE.

REPAIRS AND PROTECTION

1. REMOVE AND REPLACE CONCRETE PAVEMENT THAT IS BROKEN, DAMAGED, OR DEFECTIVE, OR DOES NOT MEET REQUIREMENTS IN THIS SECTION. THE CONTRACTOR SHALL FIX ALL CRACKS AND DISPLACEMENTS LARGER THAN 1/8" UP TO THE PROJECT COMPLETION. REPAIRS SHALL BE MADE AT NO COST TO OWNER.
2. PROTECT CONCRETE FROM DAMAGE. EXCLUDE TRAFFIC FROM PAVEMENT FOR AT LEAST 14 DAYS AFTER PLACEMENT. WHEN CONSTRUCTION TRAFFIC IS PERMITTED, MAINTAIN PAVEMENT AS CLEAN AS POSSIBLE BY REMOVING SURFACE STAINS AND SPILLAGE OF MATERIALS AS THEY OCCUR.
3. MAINTAIN CONCRETE PAVEMENT OF FREE STAINS, DISCOLORATION, DIRT, AND OTHER FOREIGN MATERIAL.

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STAMP:
KEVIN S. BOEHRINGER
C 67904
3/3/26

SKATE PARK DESIGNED BY
CW

DOCUMENTS BY
AL, CR

PLAN CHECKED BY
DH, MB

DATE
3/3/2026

PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
SPECIFICATIONS

SHEET
SK2.0

SHOTCRETE SPECIFICATIONS

PART 1- GENERAL

1.1 SUMMARY

A. SPECIALTY CONSTRUCTION:

A.1. DESCRIPTION: SHOTCRETE APPLICATION, CUTTING, SCULPTING AND FINISH WORK HAS BEEN DEEMED AS SPECIALTY CONSTRUCTION WORK WITHIN THE CONSTRUCTION DOCUMENTS. ALL WORK RELATED TO THE SPECIALTY CONSTRUCTION SHALL BE COORDINATED BY THE PROJECT ENGINEER, AND THE PRE-QUALIFIED SPECIALTY CONTRACTOR, PRIOR TO THE START OF CONSTRUCTION.

1.2 QUALITY ASSURANCE

A. STANDARDS: COMPLY WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE FOLLOWING CODES AND STANDARDS, EXCEPT AS HEREIN MODIFIED:

A.1. AMERICAN CONCRETE INSTITUTE (ACI): 506, CHAPTER 13, WET METHOD. CHAPTER 5, SHOTCRETE CREW

A.2. ASTM: “AMERICAN SOCIETY FOR TESTING MATERIALS”

1.3 REFERENCE STANDARDS

A. ACI 305- RECOMMENDED PRACTICE FOR HOT WEATHER CONCRETING.

B. ACI 306- RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETING.

C. ASTM C33- CONCRETE AGGREGATES

D. ASTM C94- READY-MIXED CONCRETE

E. ASTM C143- TEST FOR SLUMP OF PORTLAND CEMENT CONCRETE

F. ASTM C150- PORTLAND CEMENT

G. ASTM C260- AIR-ENTRAINING ADMIXTURES FOR CONCRETE

H. ASTM C494- CHEMICAL ADMIXTURES FOR CONCRETE

I. ASTM C618- FLY ASH AND RAW OR CALCINED NATURAL POZZOLANS FOR USE IN PORTLAND CEMENT CONCRETE.

1.4 JOB CONDITIONS

A. COORDINATION:

A.1. COORDINATE SCHEDULES OF CONCRETE WORK TO ALLOW ADEQUATE TIME FOR INSTALLATION OF OTHER RELATED WORK.

A.2. VERIFY THAT ANCHOR BOLTS AND OTHER EMBEDDED STEEL ITEMS TO BE CAST INTO CONCRETE ARE PROPERLY PLACED.

A.3. COORDINATE EARTHWORK AND SOILS REPORT RECOMMENDATIONS WITH PLACEMENT REQUIREMENTS.

A.4. COORDINATE WITH FORM-WORK AND FINISHES SECTIONS TO PROVIDE FINISH FLOORLEVELNESS AND FLATNESS AS SPECIFIED HEREIN. SLOPE TO DRAINS AT GRADES AND PERCENT SLOPE SHOWN IN THE CONSTRUCTION DRAWINGS.

PART 2- SHOTCRETE WORK

2.1 SHOTCRETE MIX DESIGN

A. PROVIDE MIX DESIGNS THAT WILL MEET THE MINIMUM REQUIREMENTS LISTED HEREIN:

A.1. MINIMUM 28-DAY STRENGTH: 4000 PSI

A.2. TYPE I/II/IL CEMENT - WHICHEVER IS AVAILABLE LOCALLY

A.3. SMALL AGGREGATE (1/2" MAX.)

A.4. WATER/CEMENT RATIO OF .45 OR LESS

A.5. AIR ENTRAINMENT NOT TO EXCEED 3%

B. MIX DESIGNS FOR SHOTCRETE CONTAINING FLY ASH: THE AMOUNT OF FLY ASH USED SHALL NOT EXCEED 20% BY WEIGHT OF THE COMBINED WEIGHT OF FLY ASH PLUS CEMENT.

2.2 CONCRETE APPLICATION EQUIPMENT

A. FOR WET MIX SHOTCRETE:

A.1. MIXING EQUIPMENT: CAPABLE OF THOROUGHLY MIXING AGGREGATE, CEMENT AND WATER IN SUFFICIENT QUANTITY TO MAINTAIN CONTINUOUS PLACEMENT.

A.2. AIR SUPPLY: CLEAN AIR ADEQUATE FOR MAINTAINING SUFFICIENT NOZZLE VELOCITY FOR PARTS OF WORK, AND FOR SIMULTANEOUS OPERATION OF BLOW PIPE FOR CLEANING AWAY REBOUND.

A.3. DELIVERY EQUIPMENT: CAPABLE OF DISCHARGING AGGREGATE-CEMENT-WATER MIXTURE ACCURATELY, UNIFORMLY, AND CONTINUOUSLY THROUGH DELIVERY HOSE.

PART 3- EXECUTION

3.1 INSPECTION

A. EXAMINATION: EXAMINE CONCRETE FORMWORK AND VERIFY THAT IT IS TRUE TO LINE AND DIMENSION, ADEQUATELY BRACED AGAINST VIBRATION, AND CONSTRUCTED TO PERMIT ESCAPE OF AIR AND REBOUND BUT TO PREVENT LEAKAGE DURING SHOTCRETING. CORRECT DEFICIENCIES.

B. NOTIFICATION: NOTIFY OTHER TRADES INVOLVED IN AMPLE TIME TO PERMIT THE PROPER INSTALLATION OF THEIR WORK. COOPERATE IN SETTING SUCH WORK.

C. EXISTING SURFACES: EXAMINE EXISTING CONCRETE SURFACES FOR UNSOUND MATERIAL. CORRECT DEFICIENCIES.

3.2 PREPARATION FOR INSTALLATION OF CONCRETE

A. FORMS: USE A FORM-COATING MATERIAL ON REMOVABLE FORMS TO PREVENT ABSORPTION OF MOISTURE AND TO PREVENT BOND WITH SHOTCRETE.

3.3 CONCRETE BATCHING AND MIXING

A. PROPORTIONS: MIX PROPORTIONS SHALL BE CONTROLLED BY WEIGHT BATCHING.

B. SCHEDULING: CONCRETE SHALL NOT EXCEED A TEMPERATURE OF 100 DEGREES FAHRENHEIT AT TIME OF PLACEMENT UNLESS PRE-APPROVED BY THE PROJECT ENGINEER.

3.4 CONCRETE PLACEMENT

A. PLACEMENT: USE SUITABLE DELIVERY EQUIPMENT AND PROCEDURES THAT WILL RESULT IN SHOTCRETE IN PLACE MEETING THE REQUIREMENTS OF THIS SPECIFICATION. DETERMINE OPERATING PROCEDURES FOR PLACEMENT IN, EXTENDED DISTANCES, AND AROUND ANY OBSTRUCTIONS WHERE PLACEMENT VELOCITIES AND MIX CONSISTENCY MUST BE ADJUSTED.

B. PLACEMENT TECHNIQUES:

B.1. CONTROL THICKNESS, METHOD OF SUPPORT, AIR PRESSURE, AND/OR WATER CONTENT OF SHOTCRETE TO PRECLUDE SAGGING OR SLOUGHING OFF. DISCONTINUE SHOTCRETING OR PROVIDE SUITABLE MEANS TO SCREEN THE NOZZLE STREAM IF WIND OR AIR CURRENTS CAUSE SEPARATION OF THE NOZZLE STREAM DURING PLACEMENT.

B.2. HOLD NOZZLE AS PERPENDICULAR TO SURFACE AS WORK WILL PERMIT, TO SECURE MAXIMUM COMPACTION WITH MINIMUM REBOUND.

B.3. IN SHOTCRETING WALLS, BEGIN APPLICATION AT BOTTOM. ENSURE WORK DOES NOT SAG.

B.4. LAYERING:

B.4.1. BUILD UP LAYERS BY MAKING SEVERAL PASSES OF NOZZLE OVER WORK AREA.

B.4.2. MAKE SURE SURFACE IS ADEQUATELY ROUGH TO WHICH, AFTER HARDENING, ADDITIONAL LAYERS OF SHOTCRETE ARE TO BE BONDED.

B.4.3. DAMPEN SURFACE (ACHIEVE SATURATED SURFACE DRY (SSD) CONDITION) JUST PRIOR TO APPLICATION OF SUCCEEDING LAYERS.

B.4.4. ALLOW EACH LAYER OF SHOTCRETE TO TAKE INITIAL SET BEFORE APPLYING SUCCEEDING LAYERS.

B.4.5. USE RADIAL TEMPLATES TO INSURE EXACT RADII FROM FLAT BOTTOM OF BOWL/PIPE TO FACE OF COPING. TEMPLATE SHALL BE FABRICATED FROM STEEL OR 3/4” MINIMUM PLYWOOD. CHECK EVERY HORIZONTAL FOOT WHEN APPLYING SHOTCRETE FOR CONFORMANCE OF INTENDED WALL RADII. BRACE TEMPLATE AND PLACE LEVELS AT ARC TO TANGENT CONNECTIONS TO INSURE NO KINKS WILL BE FORMED. KINKS AT THE BOTTOM OF BOWLS WILL NOT BE ACCEPTABLE. SLUMPING OF THE SHOTCRETE CAUSING COPING SETBACK WILL NOT BE ACCEPTABLE.

B.4.6. REMOVE ANY REBOUND OR ACCUMULATED LOOSE AGGREGATE FROM SURFACES TO BE COVERED PRIOR TO PLACING THE INITIAL OR ANY SUCCEEDING LAYERS OF SHOTCRETE. REBOUND SHALL NOT BE USED AS AGGREGATE.

B.5. PLACEMENT AROUND REINFORCEMENT:

B.5.1. HOLD THE NOZZLE AT SUCH DISTANCE AND ANGLE TO PLACE MATERIALS BEHIND REINFORCEMENT BEFORE ANY MATERIAL IS ALLOWED TO ACCUMULATE ON ITS FACE.

B.6. ACCESS: ALLOW EASY ACCESS TO SHOTCRETE SURFACES FOR SCREEDING AND FINISHING, PERMITTING UNINTERRUPTED APPLICATION.

3.5 REMOVAL OF SURFACE DEFECTS IN CONCRETE

A. GENERAL: REMOVE AND REPLACE SHOTCRETE WHICH LACKS UNIFORMITY, EXHIBITS SEGREGATION, HONEYCOMBING, OR LAMINATION, OR WHICH CONTAINS ANY DRY PATCHES, SLUGS, VOIDS OR POCKETS. REMOVE DEFECTIVE AREAS.

3.6 SHOTCRETE FINISH

A. FINISH: ALL EXPOSED SHOTCRETE SURFACES ARE TO BE HARD STEEL TROWEL FINISH UNLESS OTHERWISE NOTED. TROWEL UNTIL ALL VISIBLE POURS ARE CLOSED. CEASE TROWEL BEFORE GLASS FORMS ON SURFACE. DO NOT BROOM FINISH AND DO NOT BURN SURFACE.

B. GRINDING THE SURFACES WILL NOT BE AN ACCEPTABLE MEANS OF ACHIEVING THE INTENDED RADII/ANGLE.

C. COLOR: ALL SHOTCRETE SURFACES ARE TO BE NATURAL GRAY COLOR UNLESS OTHERWISE NOTED. MINOR VARIATIONS IN APPEARANCE OF COLORED CONCRETE, WHICH ARE SIMILAR TO NATURAL VARIATIONS IN COLOR AND APPEARANCE OF UNCOLORED CONCRETE, ARE ACCEPTABLE. DO NOT BROOM FINISH AND DO NOT TROWEL BURN SURFACE.

D. DURING THE CURING PERIOD, CONCRETE SHALL BE MAINTAINED AT A TEMPERATURE ABOVE 40 DEGREES FAHRENHEIT AND IN MOIST CONDITION. FOR INITIAL CURING, CONCRETE SHALL BE KEPT CONTINUOUSLY MOIST FOR 24 HOURS AFTER PLACEMENT IS COMPLETE. FINAL CURING SHALL CONTINUE FOR SEVEN DAYS AFTER PLACEMENT. COVER CONCRETE WITH POLYETHYLENE PLASTIC TO MAINTAIN TEMPERATURE IF NECESSARY. LAP SEAMS IN THE PLASTIC 6” AND WEIGH DOWN.

E. THE CONTRACTOR SHALL FIX ALL CRACKS AND DISPLACEMENTS LARGER THAN 1/8” UP TO THE PROJECT COMPLETION.

3.7 CONCRETE PROTECTION AND CURING

1. GENERAL: PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES. COMPLY WITH ACI 306.1 FOR COLD-WEATHER PROTECTION AND FOLLOW RECOMMENDATIONS IN ACI 305R FORHOT-WEATHER PROTECTION DURING CURING. KEEP MOIST FOR NECESSARY AMOUNT OF TIME TO REACH CONCRETE STRENGTH AND INHIBIT MOISTURE LOSS AFTER PLACING.
2. EVAPORATION RETARDANT: WATERBORNE, MONOMOLECULAR FILM FORMING, MANUFACTURED FOR APPLICATION TO FRESH CONCRETE, SUCH AS EUCOBAR EVAPORATION RETARDANT BY THE EUCLID CHEMICAL COMPANY. APPLY EVAPORATION RETARDANT TO CONCRETE SURFACES IF HOT, DRY, OR WINDY CONDITIONS CAUSE MOISTURE LOSS BEFORE AND DURINGFINISHING OPERATIONS. APPLY TO EXPOSED SURFACE OF CONCRETE ACCORDING TO MANUFACTURERS WRITTEN INSTRUCTIONS AS NECESSARY.
3. BEGIN CURING AFTER FINISHING CONCRETE, BUT NOT BEFORE FREE WATER HAS DISAPPEARED FROM CONCRETE SURFACE.
4. CURING METHODS: CURE CONCRETE BY CURING COMPOUND, MOISTURE CURING, MOISTURE-RETAINING-COVER CURING, OR A COMBINATION OF THESE AS FOLLOWS:

A. CURING COMPOUND: MEET REQUIREMENTS OF MANUFACTURER’S CURRENT PRINTED APPLICATION INSTRUCTIONS AND COVERAGE RATE CHART. FOR HORIZONTAL APPLICATIONS, IMMEDIATELY APPLY AFTER ALL SURFACE WATER HAS DISAPPEARED AND THE CONCRETE SURFACE IS HARD ENOUGH TO WALK ON. FOR VERTICAL APPLICATIONS, APPLY IMMEDIATELY AFTER REMOVING THE CONCRETE FORMS. APPLY IN A UNIFORM AND CONTINUOUS MANNER. AVOID OVER-APPLICATION OR PUDDLING OF CURING COMPOUND. PROTECT SURFACE FROM WATER, ADJACENT SHOTCRETE WORK, AND DEBRIS.

B. MOISTURE CURING: KEEP SURFACES CONTINUOUSLY MOIST FOR NOT LESS THAN SEVEN DAYS WITH THE FOLLOWING MATERIALS:

B.1. WATER.

B.2. CONTINUOUS WATER-FOG SPRAY.

B.3. ABSORPTIVE COVER, WATER SATURATED, AND KEPT CONTINUOUSLY WET. COVER CONCRETE SURFACES AND EDGES, OVERLAP SEAMS MIN. 6" BETWEEN ADJACENT ABSORPTIVE COVERS.

C. MOISTURE-RETAINING-COVER CURING:

C.1. COVER CONCRETE SURFACES WITH MOISTURE-RETAINING COVER FOR CURING CONCRETE, PLACED IN WIDEST PRACTICABLE WIDTH, WITH SIDES AND ENDS LAPPED AT LEAST 6 INCHES.

3.8 CURING MATERIALS

1. ABSORPTIVE COVER:

   AASHTO M 182, CLASS 2, BURLAP CLOTH MADE FROM JUTE OR KENAF, WEIGHING APPROXIMATELY 9OZ./SQ. YD. DRY.
2. MOISTURE-RETAINING COVER:

   ASTM C 171, POLYETHYLENE FILM OR WHITE BURLAP-POLYETHYLENE SHEET (BUR LENE).
3. WATER: POTABLE.
4. CURING COMPOUND: ASTM C-309, CLEAR, WATER-BASED, NO VOLATILE, NON-STAINING, MEMBRANE-FORMING, COMPATIBLE WITH SUBSEQUENT CONCRETE TREATMENTS. ACCEPTABLE PRODUCT: W.R. MEADOWS 1100-CLEAR, OR APPROVED EQUAL.

3.9 CONCRETE JOINTS

A. CLEANING: THE ENTIRE JOINT SHALL BE THOROUGHLY CLEANED AND WETTED PRIOR TO THE APPLICATION OF ADDITIONAL SHOTCRETE.

B. REINFORCEMENT: MAKE JOINTS PERPENDICULAR TO THE MAIN REINFORCEMENT. CONTINUE REINFORCEMENT ACROSS JOINTS.

3.10 CRACKING

A. SAW CUT CONTROL JOINTS AND CONSTRUCTION JOINTS MAY BE SHOWN IN IN THE CONSTRUCTION DRAWINGS FOR DIAGRAMMATIC PURPOSES ONLY. CONTRACTOR MAY INSTALL ALTERNATE CRACK CONTROL AT ITS DISCRETION.

B. THE CONTRACTOR SHALL FIX ALL CRACKS AND DISPLACEMENTS LARGER THAN 1/8” UP TO PROJECT COMPLETION.

PRECAST CONCRETE SKATEPARK COMPONENTS

NOTE: PRECAST CONCRETE SKATE ELEMENTS TO BE SPOHNCRETE
PROVIDED BY SPOHN RANCH SKATEPARKS, INC.
6824 SOUTH CENTINELA AVENUE
LOS ANGELES, CALIFORNIA 90230
626.330.5803

PART 1 - GENERAL

1.1 CERTIFICATION

A. TO ENSURE THE HIGHEST LEVEL OF QUALITY IN DESIGN, CONSTRUCTION, AND INSTALLATION, THE FOLLOWING CERTIFICATIONS ARE REQUIRED:

A.1. ALL SKATEPARK FABRICATORS MUST BE LISTED AS AN APPROVED SKATEPARK CONTRACTOR BY SKATEPARK ASSOCIATION, USA

A.2. ALL STEEL COMPONENTS SHALL BE FABRICATED BY CERTIFIED WELDERS

A.3. ALL SKATEPARK INSTALLERS MUST BE FACTORY-CERTIFIED TECHNICIANS WHO HAVE PERFORMED AT LEAST TEN SIMILAR SKATEPARK INSTALLATIONS WITHIN THE LAST FIVE YEARS

1.2 PRODUCT DATA

A. SUBMIT MANUFACTURER'S PRODUCT LITERATURE INDICATING MATERIALS, FINISH, AND OTHER INFORMATION REQUIRED TO DEMONSTRATE COMPLIANCE FOR EACH COMPONENT. IF EQUIPMENT OR CONSTRUCTION METHOD IS OTHER THAN SPECIFIED, A DETAILED DESCRIPTION OF PROPOSED VARIATIONS FROM THE SPECIFICATIONS MUST BE INCLUDED WITH THE MANUFACTURER'S LITERATURE. IN ADDITION, INDEPENDENT TESTING DATA FOR PRODUCTS MUST BE SUBMITTED SHOWING THAT THE VARIATIONS ARE PROVEN EQUAL OR BETTER (WITH RESPECT TO DURABILITY, LONGEVITY AND STRENGTH) TO THE SPECIFICATIONS PRIOR TO BIDDING.

B. ANY PARTY DESIRING TO UTILIZE ALTERNATE CONSTRUCTION METHODS IS REQUIRED TO EXPLAIN IN DETAIL THE VARIATIONS FROM THE LISTED SPECIFICATIONS, AND RECEIVE APPROVAL PRIOR TO BIDDING. ALSO LIST ALL VARIATIONS IN THE SIZE; HEIGHT, LENGTH OR WIDTH OF ANY OBSTACLES THAT DO NO MATCH THOSE SPECIFIED IN THE LAYOUT DRAWINGS ATTACHED. FAILURE TO COMPLETE ALL EXPLANATIONS REQUIRED BY THE BIDDERS/CONTRACTORS PROPOSING ALTERNATE/SUBSTITUTE MATERIALS FROM THOSE SPECIFIED OR VARIATIONS ON THE SIZE; HEIGHT, LENGTH, OR WIDTH OF ANY OBSTACLES THAT DO NO MATCH THOSE SPECIFIED IN THE LAYOUT DRAWINGS ATTACHED MAY BE GROUNDS FOR REJECTION OF THE BID. IF AWARDED BID IS LATER FOUND TO NOT COMPLY WITH THESE SPECIFICATIONS AND THE DETAILED EXPLANATIONS WERE NOT PROVIDED THOROUGHLY AND COMPLETELY WITH THEIR BID SUBMISSION, IT WOULD BE THE VENDOR/CONTRACTOR'S RESPONSIBILITY TO REMEDY THE ITEMS/MATERIALS OF CONCERN AND COMPLY WITH THE SPECIFICATIONS. IF AN ACCEPTABLE CORRECTIVE ACTION CANNOT BE RECTIFIED, AT THE OWNER'S DISCRETION IT WILL BE THE VENDOR/CONTRACTOR'S RESPONSIBILITY TO REMOVE THE MATERIALS FROM THE OWNER'S PREMISES AT THE EXPENSE OF THE VENDOR/CONTRACTOR.

1.3 DRAWING SUBMITTALS

A. A SCALED PLAN VIEW DRAWING SHALL BE SUBMITTED THAT EXACTLY MATCHES THE ATTACHED DRAWING. ALL OBSTACLE HEIGHTS, WIDTHS, AND LENGTHS SHALL NOT VARY FROM THOSE SPECIFIED. A THREE-DIMENSIONAL DRAWING OF THE MAIN STRUCTURES SHALL ALSO BE SUBMITTED FOR REVIEW. THE SKATEPARK LAYOUT SHALL CONFORM TO INDUSTRY STANDARDS FOR SPACING AND PLACEMENT OF OBSTACLES.

1.4 SAMPLES

A. IF EQUIPMENT OR CONSTRUCTION METHOD PROPOSED IS OTHER THAN SPECIFIED, CONTRACTOR MUST SUBMIT SAMPLES FOR APPROVAL BY ENGINEER PRIOR TO BIDDING.

1.5 WARRANTY

A. PROVIDE CERTIFICATE OF WARRANTY THAT MEETS OR EXCEEDS THE REQUIREMENTS BELOW. IF THE MANUFACTURER'S STANDARD WARRANTY DOES NOT MEET THESE MINIMUM REQUIREMENTS, A CERTIFICATE OF EXTENDED WARRANTY FROM THE MANUFACTURER OR CONTRACTOR MUST BE INCLUDED. WARRANTY PERIODS MAY NOT BE EXPRESSED AS "LIFETIME" AND MUST BE EXPRESSED IN SPECIFIC YEARS AS REQUIRED BELOW. AS A MINIMU, MANUFACTURER SHALL PROVIDE PROOF OF A FIVE-YEAR LIMITED WARRANTY.

1.6 INSURANCE

A. MANUFACTURER MUST CARRY A MINIMUM OF $5 MILLION IN PRODUCT LIABILITY INSURANCE, AND PROVIDE PROOF OF SUCH INSURANCE WITH BID. DESIGNER MUST CARRY A MINIMUM OF $2 MILLION IN PROFESSIONAL LIABILITY INSURANCE, AND PROVIDE PROOF OF SUCH INSURANCE WITH BID.

1.7 QUALITY ASSURANCE

A. MANUFACTURER: AT LEAST FIFTEEN (15) COMPLETED SKATEPARKS CONSTRUCTED WITH THE EXACT SAME MATERIALS AND CONSTRUCTION TECHNIQUES. UPON REQUEST, PROVIDE LIST OF COMPLETED STRUCTURES TO THE OWNER'S REPRESENTATIVE WITH SKATEPARK OWNER'S NAME, ADDRESS, PHONE, AND REPRESENTATIVE'S NAME.

B. LEAD INSTALLER: AT LEAST TEN (10) COMPLETED SKATEPARKS CONSTRUCTED WITH THE EXACT SAME MATERIALS AND CONSTRUCTION TECHNIQUES. UPON REQUEST, PROVIDE LIST OF COMPLETED STRUCTURES TO THE OWNER'S REPRESENTATIVE WITH SKATEPARK OWNER'S NAME, ADDRESS, PHONE, AND REPRESENTATIVE'S NAME.

1.8 DEVIATIONS FROM SPECIFICATION

A. IF EQUIPMENT OFFERED DIFFERS FROM THE PROVISIONS CONTAINED IN THIS SPECIFICATION, SUCH DEVIATIONS MUST BE EXPLAINED IN DETAIL AND SUBMITTED WITH THE BID. TESTING DATA MUST BE PROVIDED PROVING EQUAL OR BETTER.

B. THE FOLLOWING DEVIATIONS FROM THE SPECIFICATIONS WILL NOT RECEIVE APPROVAL.

B.1. CONCRETE WITH COMPRESSIVE STRENGTH TESTED LESS THAN 4000 PSI AT 28 DAYS

B.2. CONCRETE THAT IS NOT REINFORCED WITH BOTH REINFORCING STEEL AND FIBERS

B.3. CONCRETE THAT IS NOT FORMED USING PRECISE TEMPLATES TO CONTROL GEOMETRY

B.4. CONCRETE WHOSE CURING ENVIRONMENT IS NOT PRECISELY CONTROLLED (TIME, TEMPERATURE, HUMIDITY, ETC.)

B.5. COPING AND EDGE PROTECTION THAT ARE NOT HOT-DIPPED GALVANIZED STEEL

B.6. ELEMENTS THAT DO NOT OFFER 6" WIDE HOT-DIPPED GALVANIZED STEEL EDGE AND COPING PROTECTION

B.7. ELEMENTS THAT REQUIRE METAL TRANSITION PLATES TO BE FASTENED WITH HARDWARE

B.8. ELEMENTS THAT REQUIRE TURNBUCKLES OR METAL SUPPORT STRUCTURES OF ANY KIND

B.9. ELEMENTS THAT REQUIRE FASTENERS OR HARDWARE OF ANY KIND FOR ANY PURPOSE OTHER THAN TO SECURE GRINDRAILS OR GUARDRAILS

B.10. ELEMENTS THAT CANNOT RETAIN EARTH ON THEIR OWN AND REQUIRE SEPARATE RETAINING WALLS OR STEPS IN ORDER TO CREATE A MULTI-LEVEL SKATEPARK

B.11. ELEMENTS THAT CANNOT BE INTEGRATED DIRECTLY INTO A SLAB (EXISTING OR NEW) TO PROVIDE A CONTINUOUS CONCRETE RIDING SURFACE, UNINTERRUPTED BY METAL TRANSITION PLATES

B.12. ELEMENTS DESIGNED WITH A CONTINUOUS RIDING SURFACE UP TO 16" WIDE COMPRISED OF MORE THAN ONE SECTION OR CONTAINING ANY VISIBLE SEAMS (I.E. LIGHT CAN PENETRATE FROM BEHIND THE RIDING SURFACE THROUGH THE FRONT OF THE RISING SURFACE)

B.13. ELEMENTS THAT CANNOT INCORPORATE CUSTOM TINTING (I.E. INTEGRAL CONCRETE COLOR, NOT SURFACE TREATMENTS), CUSTOM RELIEF PATTERNING (E.G. BRICK TEXTURE), OR GRANITE SURFACES.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. THE FOLLOWING SKATEPARK EQUIPMENT SPECIFICATIONS ARE BASED ON THOSE PROVIDED BY SPOHN RANCH, INC. 6824 S. CENTINELA AVE., LOS ANGELES, CA 90230, (626) 330-5803. ANY PROPOSAL SHALL MEET OR EXCEED THE SPECIFICATIONS HEREIN AS DETERMINED BY THE OWNER OR THE OWNER'S REPRESENTATIVE. ALTERNATE/SUBSTITUTE MATERIALS WILL BE CONSIDERED FOR APPROVAL; HOWEVER, IT WILL BE THE SOLE DISCRETION OF THE OWNER OR OWNER'S REPRESENTATIVE TO DETERMINE IF SUCH PROPOSAL FOR ALTERNATE/SUBSTITUTE MATERIALS IS ACCEPTABLE. ALL PARTIES REQUESTING APPROVAL OF ALTERNATIVE CONSTRUCTION METHODS ON THIS PROJECT MUST SUBMIT ALL INFORMATION AND CERTIFICATIONS AS REQUIRED AND SPECIFIED HEREIN TEN DAYS PRIOR TO BID OR DUE DATE FOR APPROVAL BY OWNER OR OWNER'S REPRESENTATIVE. SUBMITTAL PACKAGES THAT DO NOT INCLUDE ALL THE REQUIRED INFORMATION WILL BE RETURNED AND WILL NOT BE CONSIDERED FOR USE.

B. THE STANDARDS SPECIFICATIONS LISTED BELOW ARE SUBJECT TO CHANGE BASED UPON LOCAL CONDITIONS AND CODES. PLEASE SEE THE ATTACHED FIGURES TO ILLUSTRATE THE LETTERED DETAILS.

2.2 STANDARDS

A. CONCRETE MANUFACTURING AND TESTING PRACTICES ARE UNDERTAKEN IN ACCORDANCE WITH THE NATIONAL PRECAST CONCRETE ASSOCIATION (NPCA), AND THE AMERICAN STANDARDS & TESTING METHODS (ASTM) STANDARDS.

2.3 REFERENCE MATERIAL

A. ANNUAL BOOK OF ASTM STANDARDS, ASTM C 33 - STANDARD SPECIFICATION FOR CONCRETE AGGREGATES, VOL. 04.02, AMERICAN SOCIETY FOR TESTING AND MATERIALS, CONSHOHOCKEN, PENNSYLVANIA 1996.

2.4 TOLERANCES

A. ALL EXPOSED, GRINDABLE EDGES SHALL BE HOT-DIPPED GALVANIZED STEEL

B. COPING REVEALS SHALL NOT VARY MORE THAN 1/8" OVER THE SPAN OF 8'

C. ALL RADII SHALL NOT VARY MORE THAN 1/4" FROM THE STATED DIMENSION

2.5 CONSTRUCTION SPECIFICATIONS

A. FOUNDATION

A.1. SUB-GRADE

A.1.1. PREPARED NATIVE SOIL @ 90% COMPACTION

A.2. BASE MATERIAL

A.2.1. ~4" THICK AGGREGATE @ 90% COMPACTION

B. CONCRETE SLABS

B.1. DETAILS

B.1.1. MIN. 4" THICK W/ 6-8" THICKENED EDGE

B.1.2. MIN. 4000 PSI COMPRESSIVE STRENGTH @ 28 DAYS

B.1.3. #3 REBAR STEEL REINFORCING @ 16" O.C. GRID

B.1.3.A. MINIMUM COVER FOR ALL REINFORCING SHALL BE 1.5"

C. FLOOR SLAB

C.1. HARD STEEL TROWEL FINISH

C.2. SAW-CUT CONTROL JOINTS NEXT DAY AT ~10' X 12' GRID

D. DECK SLAB

D.1. TIED-IN SMOOTH STEEL DOWELS (MIN. 16")

D.2. HARD STEEL TROWEL FINISH

D.3. SAW-CUT CONTROL JOINTS NEXT DAY AT ~10-12' GRID

E. PRECISION CAST MODULES

E.1. CONCRETE

E.1.1. TYPE II PORTLAND CEMENT

E.1.2. MAX. 3/4" AGGREGATE

E.1.3. MECHANICALLY VIBRATED IN PRECISE CONCRETE MOLD

E.1.4. CURED IN TEMPERATURE CONTROLLED ENVIRONMENT

E.1.5. MIN. 4000 PSI COMPRESSIVE STRENGTH @ 28 DAYS

E.2. REINFORCING

E.2.1. #3 REBAR STEEL REINFORCING @ 12" O.C. GRID STEEL

E.2.2. FIBER REINFORCEMENT

E.2.3. MINIMUM COVER FOR ALL REINFORCING SHALL BE 1.5"

E.3. FINISHING

E.3.1. SURFACES

E.3.1.A. RIDING SURFACES HAND-FINISHED SMOOTH

E.3.2. JOINTS

E.3.2.A. HAND FINISHED WITH ELASTOMERIC CAULK SEALANT OR CEMENTITIOUS GROUT

E.4. STEEL

E.4.1. HOT-DIPPED GALVANIZED STEEL ANCHORED AT 12" O.C. WITH STEEL STUDS

E.4.1.1. ROUND COPING

E.4.1.1.1. 2" SCHEDULE 40 WITH SEAMS AND END CAPS WELDED AND GROUND SMOOTH, AS REQUIRED

E.4.1.2. SQUARE COPING

E.4.1.2.1. 1.5" X 2" X 3/16" THICK ANGLE WITH SEAMS WELDED AND GROUND SMOOTH, AS REQUIRED

E.4.1.2.2. 2" X 6" X 1/8" THICK BMX PLATE (OPTIONAL) WITH SEAMS WELDED AND GROUND SMOOTH, AS REQUIRED.

E.4.1.3. BMX PLATE COPING BACKER

E.4.1.3.1. 6" X 1/8" WELDED BEHIND THE COPING (OPTIONAL)

E.4.1.4. GRIND RAILS

E.4.1.4.1. RECTANGULAR - 3" X 2" X 1/8" THICKNESS

E.4.1.4.2. ROUND - 2" DIAMETER SCHEDULE 40

E.4.1.4.3. FITTED WITH WELDED END CAPS AND GROUND SMOOTH

E.4.1.4.4. 2" DIAMETER WELDED STEEL TUBE VERTICAL SUPPORTS ARE CAST INTO THE CONCRETE DURING POURING OR ANCHORED USING STUD-STYLE INTERLOCKING WEDGE ANCHORS

2.6 INSPECTION

A. INSPECT SUBGRADE, FORMS, REINFORCING STEEL, PIPES, CONDUITS, SLEEVES, HANGERS, ANCHORS, INSERTS, AND OTHER WORK REQUIRED TO BE BUILT INTO CONCRETE AND REPORT ANY DISCREPANCIES. NOTIFY OWNER'S REPRESENTATIVE AT LEAST 5 WORKING DAYS IN ADVANCE OF SCHEDULED PLACEMENT.

B. CORRECT UNSATISFACTORY WORK PRIOR TO PLACING CONCRETE.

C. REMOVE RUBBISH FROM FORMWORK IMMEDIATELY PRIOR TO PLACING CONCRETE.

2.7 REPAIRS AND PROTECTION

A. REMOVE AND REPLACE PRECAST CONCRETE SKATE ELEMENTS THAT ARE BROKEN, DAMAGED, DEFECTIVE, OR DO NOT MEET THE REQUIREMENTS OF THIS SECTION OR CONFORMANCE WITH ASTM F 2480 - STANDARD GUIDE FOR IN-GROUND SKATE PARKS.

B. PROTECT PRECAST CONCRETE SKATE ELEMENTS FROM DAMAGE UNTIL FINAL PAYMENT. EXCLUDE TRAFFIC FROM PRECAST CONCRETE SKATE ELEMENTS FOR AT LEAST 28 DAYS AFTER PLACEMENT.

2.8 OTHER

A. CONCRETE MANUFACTURING AND TESTING PRACTICES ARE UNDERTAKEN IN ACCORDANCE WITH THE NATIONAL PRECAST CONCRETE ASSOCIATION (NPCA), CANADIAN STANDARDS ASSOCIATION, AND AMERICAN STANDARDS & TESTING METHODS (ASTM) STANDARDS.

B. SAFETY AND PERFORMANCE GUIDELINES: COMPLY WITH ALL SAFETY AND PERFORMANCE REQUIREMENTS AND ALL APPLICABLE REFERENCES AS SPECIFIED IN THE ASTM F2480 STANDARD GUIDE FOR IN-GROUND SKATE PARKS.

PART 3 - EXECUTION

3.1 DELIVERY, STORAGE, AND HANDLING

A. COORDINATE WITH WORK OF CAST-IN-PLACE CONCRETE SECTION.

B. PRECAST CONCRETE SKATE ELEMENTS ARE TO BE STORED AT MANUFACTURERS FACILITY, ABOVE GROUND ON SKIDS OR OTHER SUPPORTS, UNTIL SITE IS READY FOR THEIR INSTALLATION.

C. PRECAST CONCRETE SKATE ELEMENTS CAN BE PLACED AFTER A 7 DAY MINIMUM CURING TIME OF THE PRECAST FOOTINGS.

D. SUITABLE SKATE PARK SITE ACCESS IS REQUIRED FOR DELIVERY AND PLACEMENT OF PRECAST CONCRETE SKATE ELEMENTS. ACCESS MUST ALLOW TRACTOR-TRAILER(S) AND 70-TON CRANE (TYP.) TO PARK DIRECTLY ADJACENT TO FOOTINGS, WITHOUT OBSTRUCTION, FOR DELIVERY AND PLACEMENT OF ELEMENTS.

3.2 INSTALLATION

A. THE OWNER WILL PROVIDE A SITE PREPARED TO SPOHNCRETE FACTORY SPECIFICATIONS, WASTE DISPOSAL SERVICES, A SITE MAP WITH ROADS AND ACCESS ROUTES MARKED IN DETAIL FOR A CRANE, AND A SECURE AREA FOR STORAGE OF SKATEPARK EQUIPMENT AND TOOLS PRIOR TO AND DURING INSTALLATION.

B. THE MANUFACTURER WILL PROVIDE A CREW OF FACTORY-CERTIFIED INSTALLERS EXPERIENCED IN MUNICIPAL INSTALLATIONS TO ASSEMBLE THE SKATEPARK EQUIPMENT, AND ALL SPECIALTY AND BASIC TOOLS NECESSARY TO COMPLETE THE INSTALLATION. THESE FACTORY-CERTIFIED TECHNICIANS MUST HAVE PERFORMED AT LEAST TEN SIMILAR SKATEPARK INSTALLATIONS WITHIN THE LAST FIVE YEARS. ONLY SPOHNCRETE FACTORY-CERTIFIED INSTALLERS WITH AMPLE EXPERIENCE IN MUNICIPAL SKATEPARKS SHALL BE ALLOWED TO PLACE AND FINISH MODULES AS REQUIRED AS WELL AS BUILDING THE HIGHEST QUALITY SKATEPARKS, SPOHN RANCH, INC. STRIVES TO BUILD LONG-TERM RELATIONSHIPS BASED ON CONFIDENCE AND TRUST WITH OUR CLIENTS. WE STAND BESIDE, ON TOP, AND BENEATH THE QUALITY OF OUR SKATEPARK EQUIPMENT AND WILL MAKE THINGS RIGHT IF YOU ARE NOT COMPLETELY SATISFIED. TO PROVE THAT, WE PROVIDE A ONE-YEAR GUARANTEE ON ALL OF OUR INSTALLATIONS. IF ANY PROBLEMS DUE TO IMPROPRER WORKMANSHIP DURING THE FIRST YEAR FOLLOWING INSTALLATION, WE WILL FIX IT FOR FREE.

Know what's **below.**
Call before you dig.
1-800-227-2600 CA

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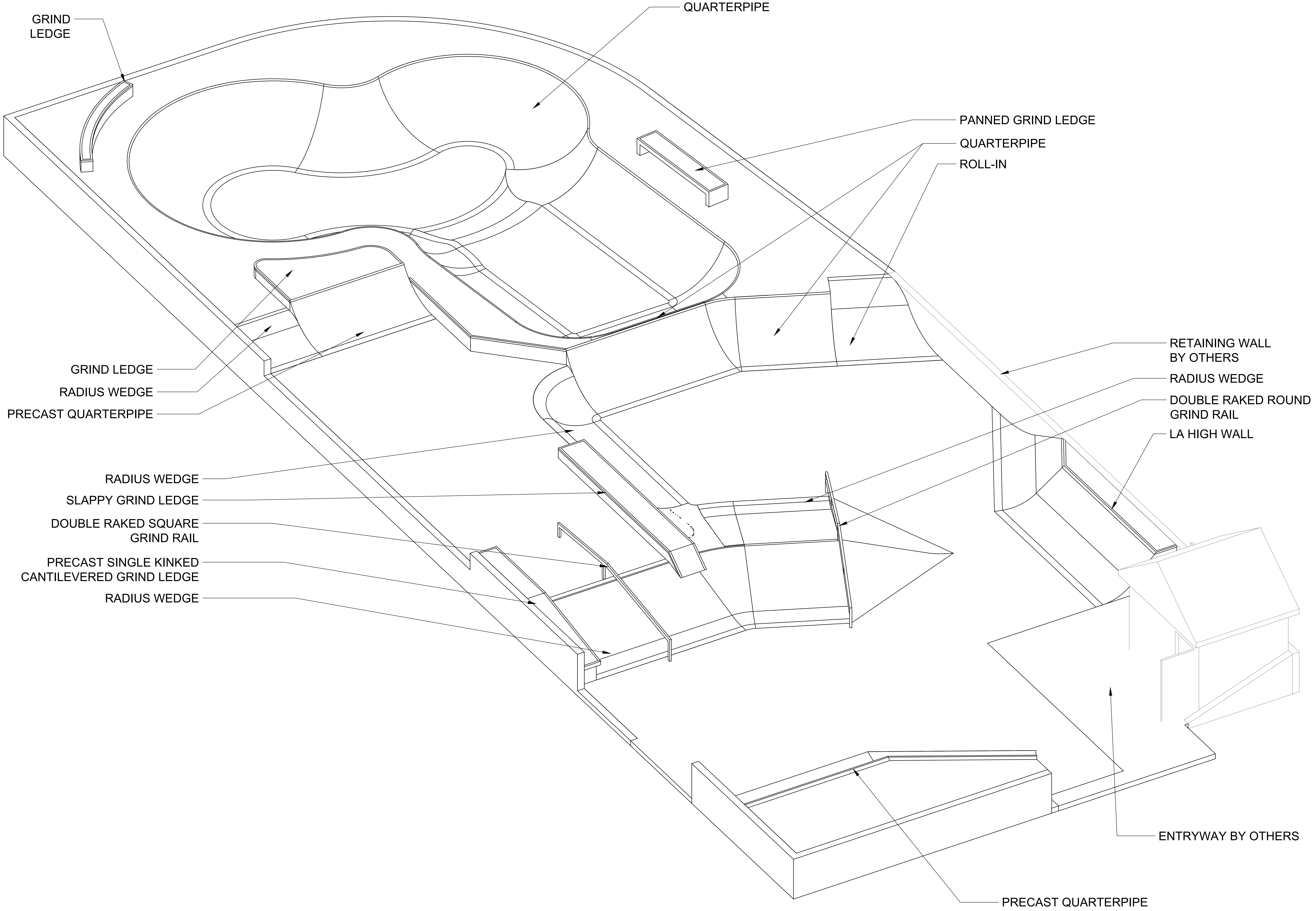
STAMP:
KEVIN S. BOEHRINGER
C 67904
3/3/26

SKATE PARK DESIGNED BY
CW
DOCUMENTS BY
AL, CR
PLAN CHECKED BY
DH, MB
DATE 3/3/2026

PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
SPECIFICATIONS

SHEET
SK2.1
3 OF 17


GRIND LEDGE
QUARTERPIPE
PANNED GRIND LEDGE
QUARTERPIPE
ROLL-IN
RETAINING WALL BY OTHERS
RADIUS WEDGE
DOUBLE RAKED ROUND GRIND RAIL
LA HIGH WALL
GRIND LEDGE
RADIUS WEDGE
PRECAST QUARTERPIPE
RADIUS WEDGE
SLAPPY GRIND LEDGE
DOUBLE RAKED SQUARE GRIND RAIL
PRECAST SINGLE KINKED CANTILEVERED GRIND LEDGE
RADIUS WEDGE
ENTRYWAY BY OTHERS
PRECAST QUARTERPIPE

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REGISTERED PROFESSIONAL ENGINEER
KEVIN S. BOEHRINGER
C 67904
3/3/26
CIVIL
STATE OF CALIFORNIA

SKATE PARK DESIGNED BY
CW

DOCUMENTS BY
AL, CR

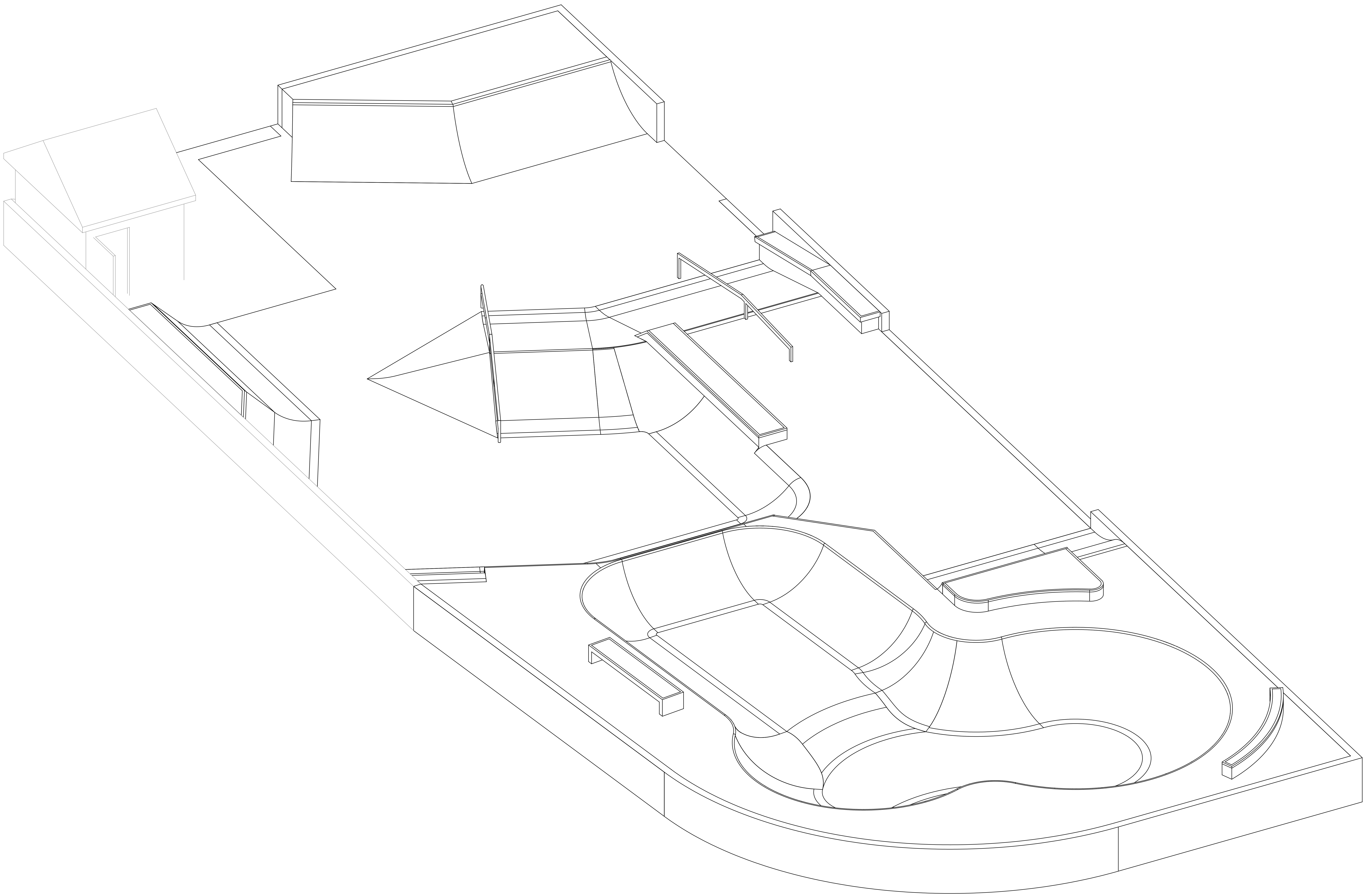
PLAN CHECKED BY
DH, MB

DATE
3/3/2026

PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
3D PERSPECTIVE

SHEET
SK3.0



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KEVIN S. BOEHRINGER
C 67904
3/3/26

SKATE PARK DESIGNED BY
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AL, CR

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DH, MB

DATE
3/3/2026

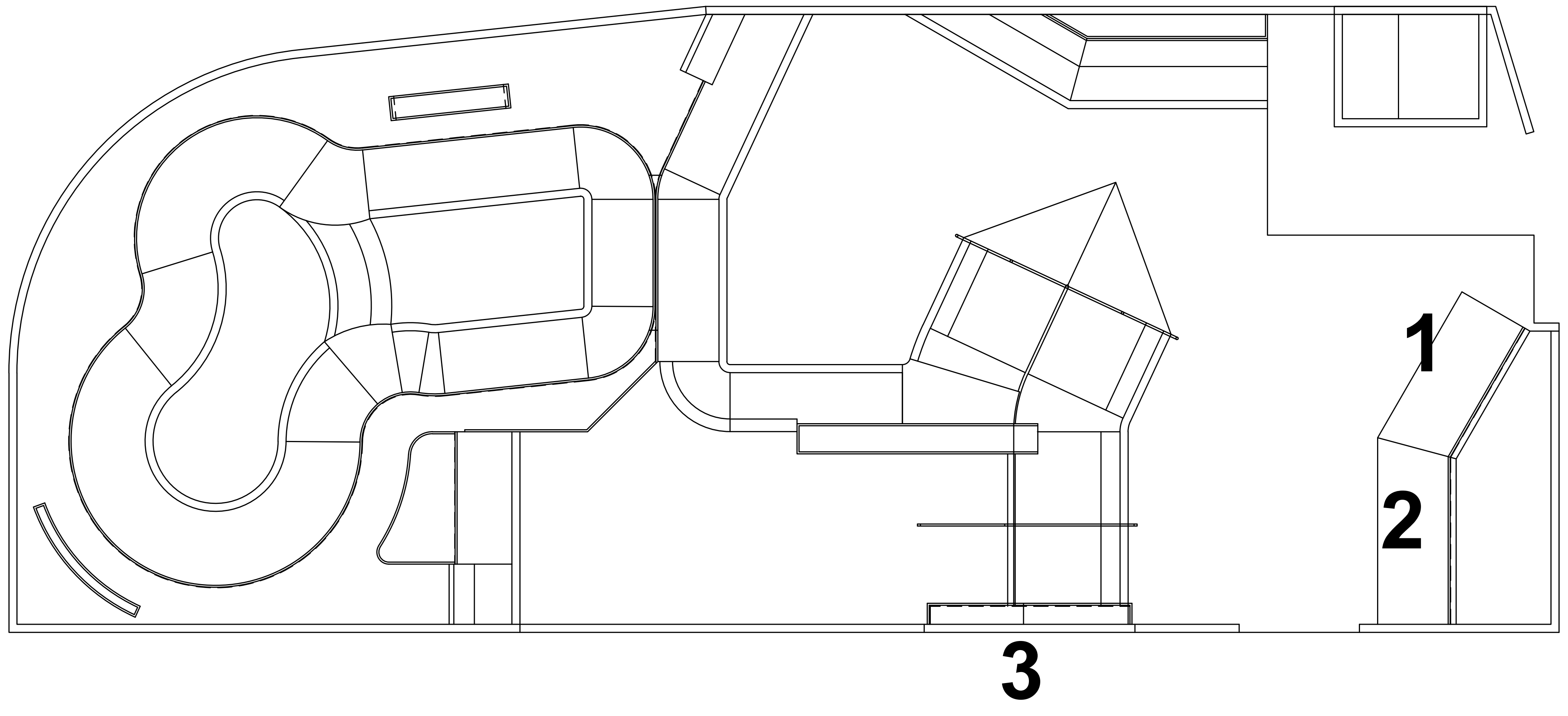
PROJECT TITLE
CAMBRIA, CA

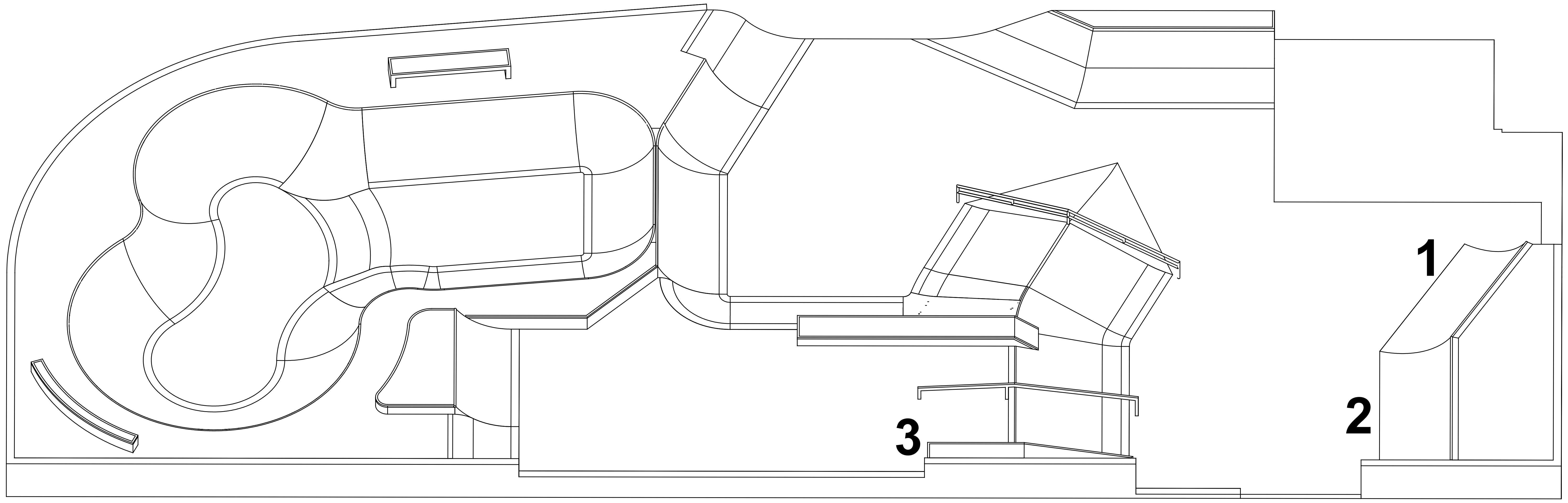
SHEET TITLE
3D PERSPECTIVE

SHEET
SK3.1

PRECAST COMPONENT LIST

REF #	DESCRIPTION	COLOR	STEEL	QTY
1	QUARTERPIPE 14'-0"L x 6'-7 3/16"W x 3'-6"T	NATURAL GRAY	RAL #9017	1
2	QUARTERPIPE 15'-6"L x 6'-6 3/8"W x 3'-6"T	NATURAL GRAY	RAL #9017	1
3	RAKED GRIND LEDGE 16'-6 11/16"L x 1'-6"W x 1'-8"T	NATURAL GRAY	RAL #9017	1





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PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
PRECAST LAYOUT PLAN

SHEET
SK4.0

6 OF 17

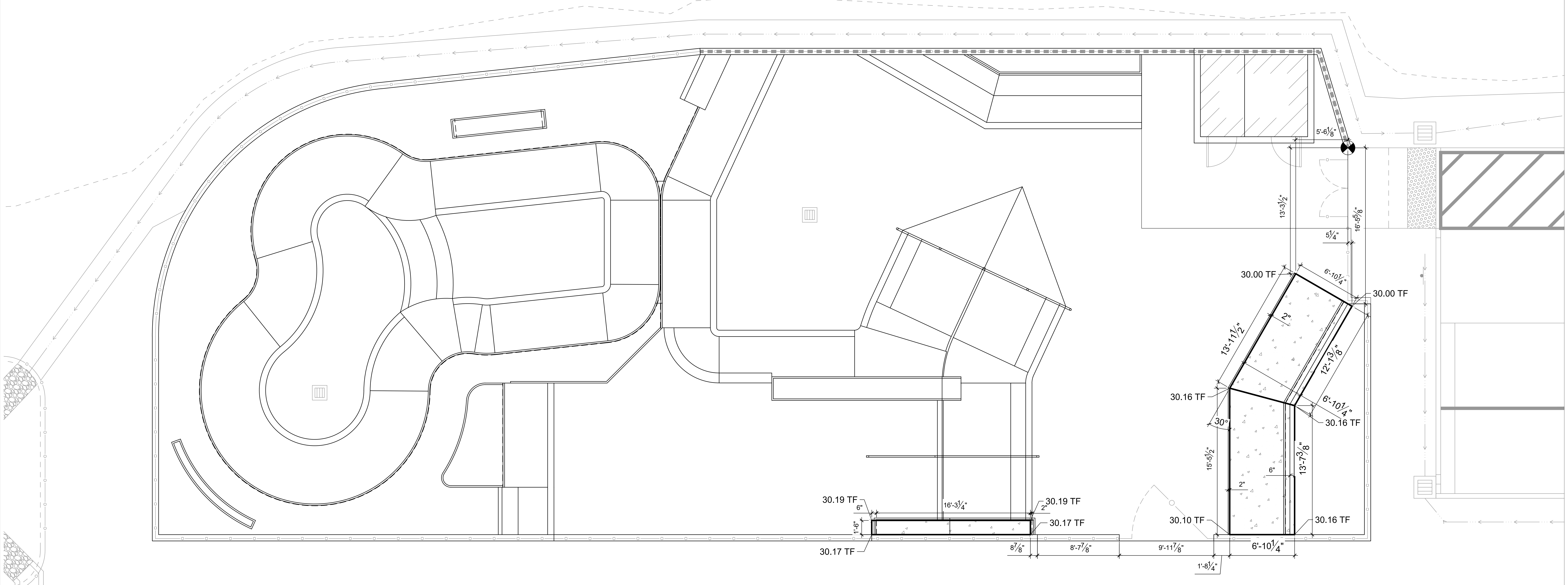
2025-12-18 11:40

FOOTING SCHEDULE

SYMBOL	CODE	DESCRIPTION
	1	CONCRETE FOOTER

PRECAST FOOTING NOTES :

1. ALL TOP OF FOOTING ELEVATIONS SHALL BE 5" (0.42") BELOW FINISH SURFACE ELEVATIONS OF CONCRETE SLAB, AND SHALL SLOPE AS SHOWN ON PLANS WITH A 2% MAXIMUM FALL.
2. FORM ENTIRE FOOTING SURFACE TO SLOPE IN THE SAME DIRECTION AS THE FINISHED SURFACE ELEVATIONS OF THE CONCRETE SLAB.
3. ALL PRECAST SLAB FOOTINGS SHALL COORDINATE WITH SKATEPARK GRADING PLAN SHEET SK8.0
4. HIGHPOINTS AND RIDGES CAN NOT BE PLACED IN FOOTINGS DUE TO PRECAST ELEMENT AND JOINTING ISSUES DURING INSTALLATION.
5. FOOTINGS SHALL NOT BE LEFT EXPOSED. ALL FOOTINGS SHALL BE COVERED.
6. REFER TO LANDSCAPE ARCHITECT / CIVIL ENGINEER DWGS FOR EARTHWORK. PREPARE SUBGRADE ACCORDING TO GEOTECHNICAL ENGINEER REPORT.
7. SEE CONSTRUCTION DETAILS ON SHEET SK11.0 + SK11.1 FOR PRECAST FOOTING PROFILES, INSTALLATION AND POSITIVE GRADING AWAY FROM ELEMENT
8. SEE SPECIFICATIONS ON SHEET SK2.1 FOR PRECAST ELEMENT INFORMATION



0 1' 5' 10'
Scale: 3/16" = 1'-0"

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C 67904
CIVIL
3/3/26

SKATE PARK DESIGNED BY
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DH, MB
DATE
3/3/2026

PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
PC FOOTING PLAN

SHEET
SK4.1

JOINTING NOTES:

1. JOINTING LAYOUT PLAN HAS BEEN DEVELOPED TO PROVIDE GUIDANCE TO THE CONTRACTOR FOR THE USE OF SAWCUTS, COLD + EXPANSION JOINTS. ACTUAL FIELD VARIANCES MAY BE NECESSARY AND WILL TAKE PRECEDENCE OVER THIS GUIDE. A CONTRACTOR SHALL CUT/JOINT CONCRETE AS NEEDED TO HELP MINIMIZE CRACKING AND ENHANCE SKATEABILITY.
2. ALIGN SAWCUTS WITH EXPANSION AND COLD JOINTS AND START FROM CORNERS WHERE POSSIBLE TO HELP MINIMIZE CRACKING. SAWCUTS SHOULD BE APPROXIMATELY 10'x12' AND/OR APPROXIMATELY 120 SQUARE FEET WITH ROUGHLY A 2:1 ASPECT RATIO BETWEEN SAWCUTS AND COLD OR EXPANSION JOINTS.
3. ALL HORIZONTAL SAWCUTS TO BE FILLED WITH SELF-LEVELING POLYURETHANE BASE ELASTOMERIC SEALANT AND TOOLED FLAT. EXPANSION JOINTS AND VERTICAL SAWCUTS TO BE FILLED WITH POLYURETHANE BASED NONSAGGING ELASTOMERIC SEALANT AND TOOLED FLAT. COLOR OF JOINT SEALANT SHOULD RESEMBLE NATURAL COLOR OF CONCRETE (ALUMINUM GRAY / LIMESTONE, OR SIMILAR)
4. ALL JOINTS TO BE FILLED WITH SEALANT, SEE TYPICAL DETAILS FOR MORE INFORMATION.

GENERAL NOTES:

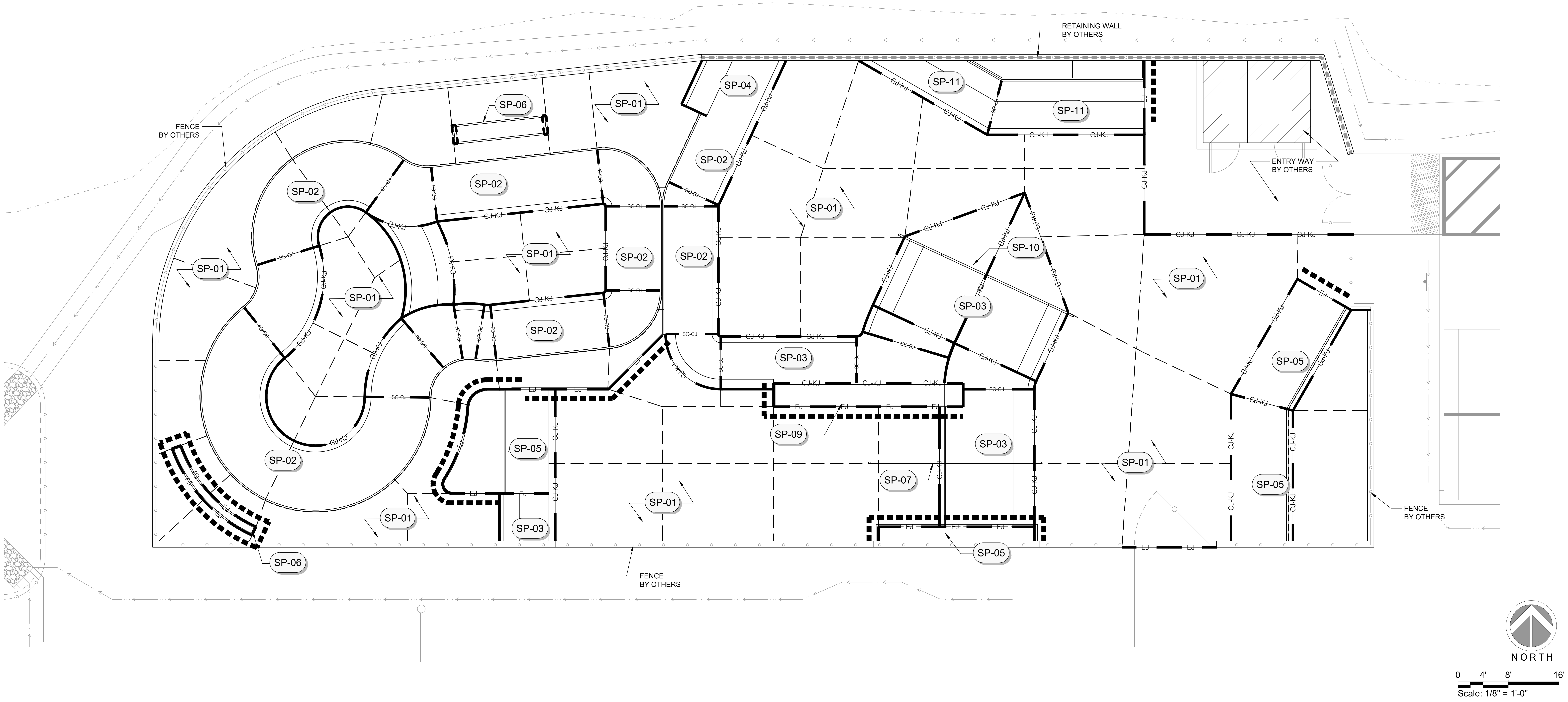
1. SEE SHEET SK5.0 FOR COLOR PLAN.
2. THE SLAB CONFIGURATION, NOTES, LOCATION OF EXPANSION JOINTS, COLD JOINTS, SAW CUTS, DETAIL REFERENCES, AND APPLICABLE DETAILS HAVE BEEN INCLUDED FOR CLARITY. JOINTS AND DETAILS SHOWN ARE FOR THE SKATEPARK ONLY. REFER TO THE LANDSCAPE PLANS FOR SCOPES BEYOND THE SKATEPARK.
3. SUGGESTED ORDER OF CONSTRUCTION FOR CONCRETE ELEMENTS WITHIN THE SKATEPARK FOOTPRINT:
   - A. SUBSURFACE DRAINAGE
   - B. SUBGRADE PREP - GRADE, MOISTURE CONDITION, AND COMPACT SKATEPARK FOOTPRINT TO +/- .1' OF SPECIFIED SUBGRADE ELEVATIONS.
   - C. FINE GRADING
   - D. PRECAST FOOTINGS
   - E. PRECAST INSTALLATION
   - F. GEOFOAM
   - G. LEDGES AND MANUAL PADS
   - H. BANKS AND TRANSITIONS
   - I. GRIND RAIL FOOTING INSTALLATION
   - J. FLOOR SLAB/FLATWORK
4. ALL EXPOSED CONCRETE AND SHOTCRETE SURFACES TO BE NATURAL GRAY IN COLOR WITH HARD STEEL TROWEL FINISH UNLESS OTHERWISE SPECIFIED.

INFORMATION SCHEDULE

CODE	DESCRIPTION	DETAIL
SP-01	5" THICK CONCRETE FLATWORK	1/SK11.0
SP-02	QUARTERPIPE	12/SK11.0
SP-03	RADIUS WEDGE	13/SK11.0
SP-04	ROLL-IN	14/SK11.0
SP-05	PRECAST SKATE FEATURE	6/SK11.1
SP-06	GRIND LEDGE	2/SK11.1
SP-07	RAKED SQUARE GRIND RAIL	3/SK11.1
SP-09	SLAPPY GRIND LEDGE	1/SK11.1
SP-10	DOUBLE RAKED ROUND GRIND RAIL	3/SK11.1
SP-11	LA HIGH WALL	4/SK11.1

JOINTING SCHEDULE

CODE	DESCRIPTION	DETAIL
H-01	EXPANSION JOINT ▬▬ EJ ▬▬ EJ ▬▬	6/SK11.0
H-02	COLD JOINT OR KEY JOINT ▬ CJ-KJ ▬▬ CJ-KJ ▬	8/SK11.0
H-03	SAWCUT JOINT — — — — — — — —	7/SK11.0
H-04	TURNDOWN EDGE AT FINISH SURFACE ■■■■■■■■■■■■■■	3/SK11.0
H-05	TURNDOWN EDGE AT FINISH GRADE ▬ ■ ■ ▬▬ ■ ■ ▬	4/SK11.0
H-06	SC OR CJ - FIELD DETERMINED ▬▬ SC-CJ ▬ SC-CJ ▬▬	



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SKATE PARK DESIGNED BY
CW

DOCUMENTS BY
AL, CR

PLAN CHECKED BY
DH, MB

DATE
3/3/2026

STAMP:
KEVIN S. BOEHRINGER
C 67904
3/3/26

PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
INFORMATION PLAN

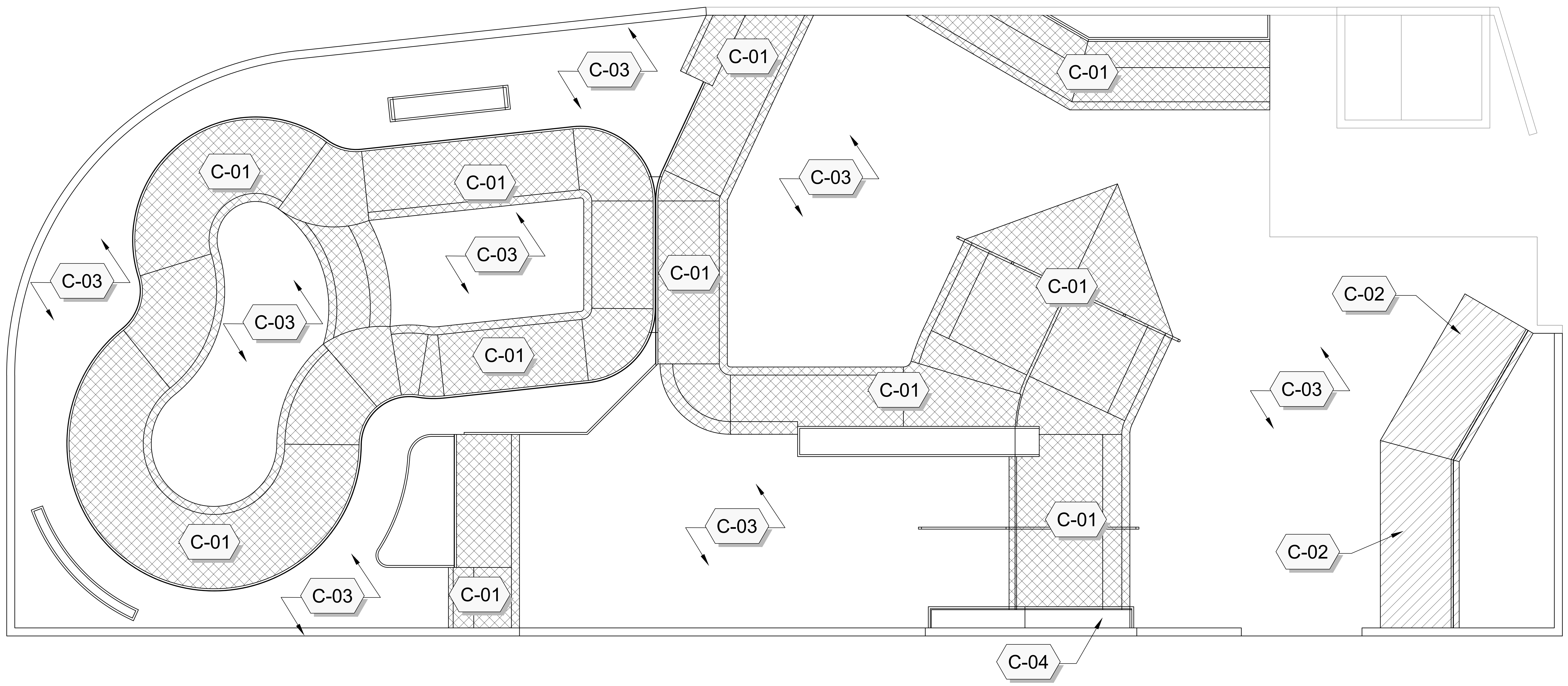
SHEET
SK5.0

COLOR SCHEDULE

SYMBOL	CODE	DESCRIPTION
▩	C-01	ADD-ALT COLORED CAST-IN-PLACE CONCRETE TO BE 'PALOMINO' BY EA PIGMENTS OR APPROVED EQUAL
▨	C-02	ADD ALT COLORED PRECAST CONCRETE TO BE `PALOMINO` BY EA PIGMENTS OR APPROVED EQUAL
	C-03	ALL OTHER CAST-IN-PLACE CONCRETE TO BE NATURAL GRAY
	C-04	PRECAST CONCRETE TO BE NATURAL GRAY

COLOR NOTES:

1. CONCRETE COLOR AVAILABLE FROM EA PIGMENTS 1-888-222-7501, OR APPROVED EQUAL.
2. PRECAST AND POURED IN PLACE CONCRETE COLOR MAY VARY SLIGHTLY IN FIELD.
3. FINISH: ALL EXPOSED CONCRETE SURFACES ARE TO BE HARD STEEL TROWEL FINISH UNLESS OTHERWISE NOTED. TROWEL UNTIL ALL VISIBLE PORES ARE CLOSED. CEASE TROWELING BEFORE SURFACE BECOMES GLOSSY. DO NOT BROOM FINISH AND DO NOT TROWEL BURN SURFACE.
4. REFER TO STEEL PLAN ON SHEET SK9.0 FOR STEEL FINISH.



NORTH

0 1' 5' 10'
Scale: 3/16" = 1'-0"

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3/3/26
CIVIL

SKATE PARK DESIGNED BY
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PROJECT TITLE
CAMBRIA, CA

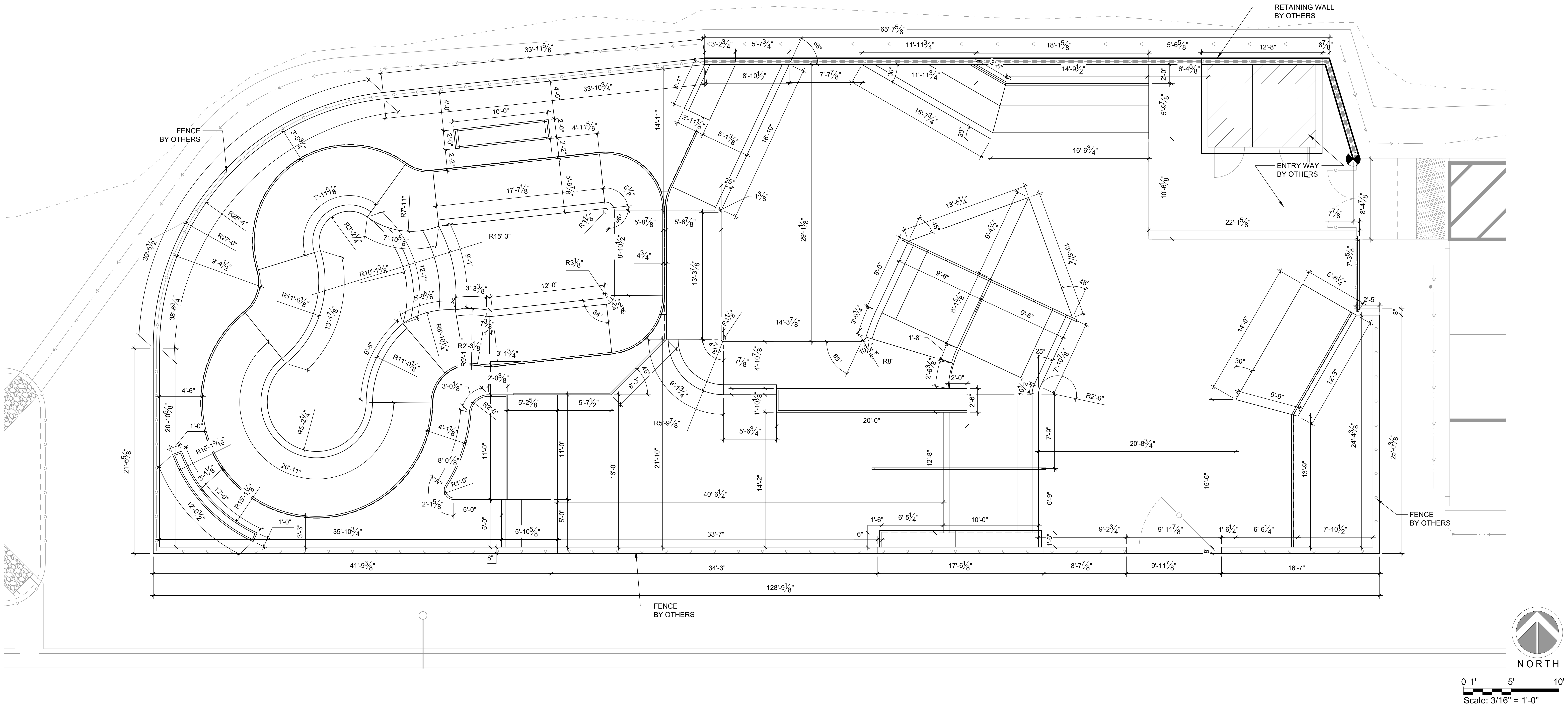
SHEET TITLE
COLOR PLAN

SHEET
SK6.0

CONSTRUCTION NOTES:

1. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO ALL APPLICABLE GOVERNING CODES AND ORDINANCES.
2. ALL FORMS AND ALIGNMENTS OF PAVING, LAYOUT, AND SPECIAL PAVING AREAS SHALL BE REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO POURING (GIVE A MINIMUM OF 24 HOURS NOTICE)
3. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PUBLIC IMPROVEMENTS, INCLUDING UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN-KIND ALL PUBLIC IMPROVEMENTS DAMAGED, BROKEN, OR REMOVED DURING CONSTRUCTION
4. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS (UNLESS OTHERWISE NOTED).
5. ALL REBAR CROSSINGS TO BE TIED.
6. ALL CONSTRUCTION TO BE PLUMB AND TRUE, UNLESS OTHERWISE NOTED OR INDICATED.
7. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE SKATE PARK DESIGNER, OWNER/BUILDER OR OWNER'S REPRESENTATIVE.
8. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS AND FOR SAFETY CONDITIONS AT THE WORK SITE.
9. ALL BRACING, TEMPORARY SUPPORTS, SHORING, ETC.. ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. OBSERVATION VISITS TO THE JOB SITE BY THE SKATE PARK DESIGNER OR OWNER, DO NOT INCLUDE INSPECTION OF CONSTRUCTION PROCEDURES. THE VISIT SHALL NOT BE CONSTRUED AS CONTINUOUS AND DETAILED INSPECTIONS.
11. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED SIMILAR TO THE DETAILS FOR THE RESPECTIVE MATERIALS.
12. THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED CONSTRUCTION PRODUCT. THESE DOCUMENTS, ALTHOUGH PREPARED WITH CARE AND DILIGENCE, MAY CONTAIN ERRORS, OMISSIONS, CONTRADICTIONS, ETC. THE CONTRACTOR SHALL REVIEW ALL DOCUMENTS THOROUGHLY AND SHALL NOTIFY THE SKATE PARK DESIGNER IMMEDIATELY UPON ANY SUCH DISCOVERY OR DISCREPANCY. GOVERNING CODES SHALL THEN APPLY.
13. ALL SCALE DIMENSIONS ARE APPROXIMATE. WRITTEN DIMENSIONS AND DETAILS TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL CHECK AND VERIFY ALL SITE DIMENSIONS PRIOR TO PROCEEDING WITH WORK AND CLARIFY WITH SKATE PARK DESIGNER, OWNER IF NECESSARY.
14. DESIGN, MATERIAL, EQUIPMENT AND PRODUCTS OTHER THAN THOSE DESCRIBED OR INDICATED ON DRAWINGS MAY BE CONSIDERED FOR USE. APPROVAL FOR SUBSTITUTIONS SHALL BE OBTAINED FROM THE SKATE PARK DESIGNER.
15. SHOP DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTOR FOR THE CLARIFICATION OF DESIGN CONCEPT DETAILS & SUBSTITUTIONS.
16. DURING WORK AND THROUGH ITS COMPLETION, THE CONTRACTOR SHALL KEEP THE SITE CLEAN TO THE SATISFACTION OF THE OWNER.
17. FINAL MATERIAL, FINISHES AND COLOR SHALL BE APPROVED BY OWNER AND SKATE PARK DESIGNER PRIOR TO INSTALLATION.
18. CLEAN-UP SHALL TAKE PLACE ON A DAILY BASIS.
19. REFER TO SPECIFICATIONS FOR ANY ADDITIONAL INFORMATION.

**ALL COLD JOINTS AT THE BOTTOM OF ALL RADIUS TRANSITIONS & RADIUS BANKS SHALL BE LOCATED 8" MAX. FROM THE POINT OF TANGENCY. SEE TYPICAL DETAILS FOR CLARIFICATION.


RETAINING WALL
BY OTHERS
FENCE
BY OTHERS
ENTRY WAY
BY OTHERS
FENCE
BY OTHERS
FENCE
BY OTHERS
65'-7 5/8"
33'-11 5/8"
33'-10 3/4"
3'-2 3/4"
5'-7 3/4"
65°
11'-11 3/4"
18'-1 5/8"
5'-6 5/8"
12'-8"
8 7/8"
8'-10 1/2"
7'-7 7/8"
30°
11'-11 3/4"
14'-9 1/2"
6'-4 5/8"
10'-0"
4'-11 5/8"
14'-11"
15'-7 3/4"
16'-6 3/4"
22'-1 5/8"
10'-6 5/8"
5'-9 7/8"
8'-4 7/8"
7 7/8"
17'-7 1/8"
R26'-4"
R27'-0"
R15'-3"
R10'-1 3/8"
R11'-0 1/8"
R8'-10 1/4"
R11'-0 1/8"
R5'-2 1/4"
R16'-1 3/16"
R15'-1 7/8"
R5'-9 7/8"
R2'-0"
R1'-0"
R8"
39'-6 1/2"
38'-6 3/4"
21'-6 5/8"
20'-10 5/8"
12'-9 1/2"
20'-11"
12'-0"
35'-10 3/4"
33'-7"
40'-6 1/4"
29'-1 7/8"
13'-3 7/8"
14'-3 7/8"
13'-5 1/4"
9'-6"
9'-6"
20'-0"
20'-8 3/4"
14'-0"
12'-3"
24'-4 3/8"
25'-0 3/8"
6'-6 1/4"
7'-3 5/8"
2'-5"
45°
30°
6'-9"
13'-9"
15'-6"
12'-8"
14'-2"
16'-0"
21'-10"
11'-0"
5'-2 5/8"
5'-7 1/2"
5'-6 3/4"
6'-5 1/4"
10'-0"
9'-2 3/4"
9'-11 7/8"
1'-6 1/4"
6'-6 1/4"
7'-10 1/2"
41'-9 3/8"
34'-3"
17'-6 1/8"
8'-7 7/8"
9'-11 7/8"
16'-7"
128'-9 1/8"
8"
NORTH
0 1'
5'
10'
Scale: 3/16" = 1'-0"

SPOHN RANCH
SKATEPARKS
DESIGN. BUILD. COME TOGETHER.
6824 S. CENTINELA AVE - LOS ANGELES, CA 90230
OFFICE (626) 330-5803 ~ FAX (626) 330-5503

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NO	DATE	DESCRIPTION	BY
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SKATE PARK DESIGNED BY
CW
DOCUMENTS BY
AL, CR
PLAN CHECKED BY
DH, MB
DATE
3/3/2026

STAMP:
KEVIN S. BOEHRINGER
C 67904
CIVIL
3/3/26

PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
LAYOUT PLAN

SHEET
SK7.0

GRADING SCHEDULE

	CODE	DESCRIPTION	QTY	DETAIL
●	L-01	AREA DRAIN	2	5/SK11.0

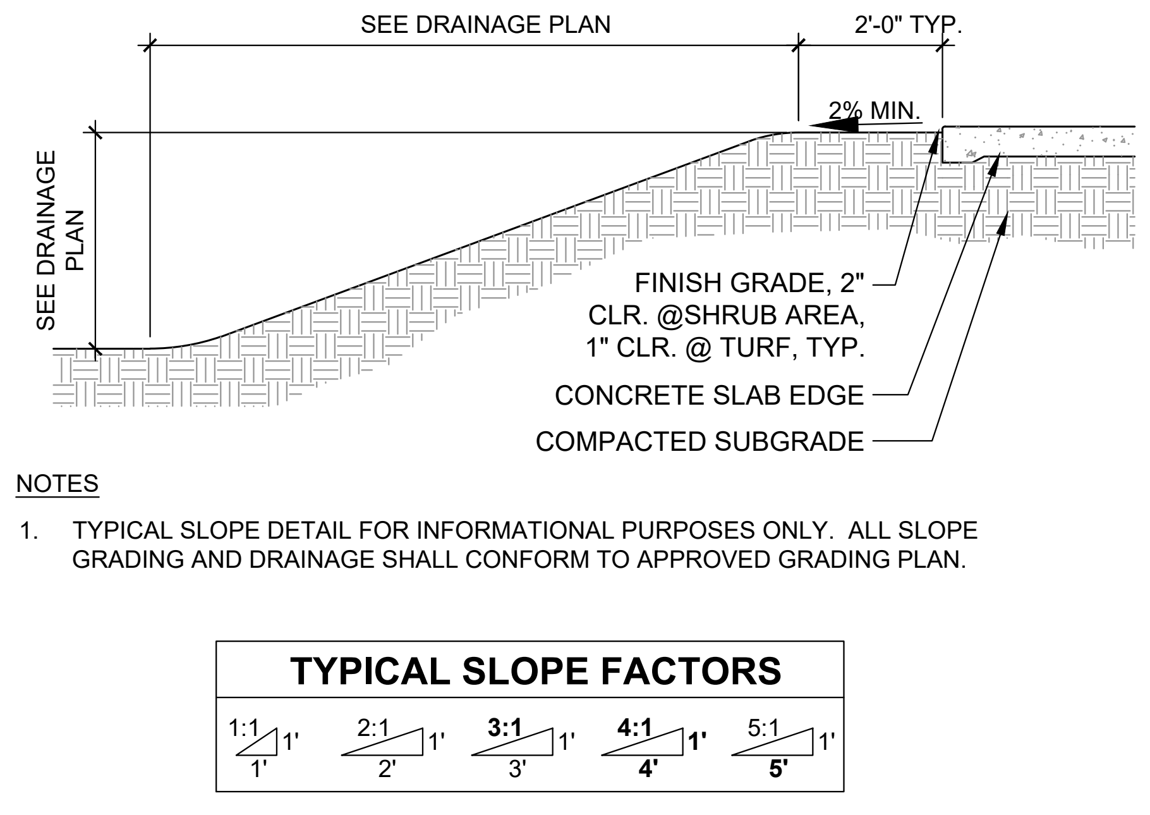
GRADING NOTES

1. ALL GRADING SHALL BE IN ACCORDANCE WITH THE LOCAL GRADING CODE AND ANY SPECIAL REQUIREMENTS OF THE GRADING PERMIT.
2. CONTRACTOR TO VERIFY GRADES AND NOTIFY OWNER'S CONSTRUCTION ADMINISTRATOR PRIOR TO START OF GRADING WORK.
3. SLOPES SHALL BE NO STEEPER THAN 3' HORIZONTAL TO 1' VERTICAL (3:1) AND SHALL HAVE NOT LESS THAN 90% COMPACTION OUT TO THEIR FINISH SURFACES.
4. ALL PAVED AREAS SHALL SLOPE AS SHOWN ON PLANS WITH A 2% MAXIMUM FALL. PLANTED AREAS SHALL HAVE A MINIMUM 2% FALL.
5. FINISH GRADE SHALL HAVE A UNIFORM SURFACE, FREE OF LUMPS, BUMPS AND DEPRESSIONS AND ANY OBJECTS THAT MAY PREVENT A POSITIVE FLOW TO DRAIN.
6. ALL PROPOSED PAVING SURFACES SHALL MEET EXISTING PAVING SURFACES WITH SMOOTH AND CONTINUOUS TRANSITIONS AND FLUSH ALONG ENTIRE EDGE.
7. CONCRETE WALKS TO HAVE A MAXIMUM CROSS SLOPE OF 2% AND SHALL MEET ALL CITY AND COUNTY REQUIREMENTS.
8. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS, EXISTING DRAINAGE STRUCTURES, PARKING LOT IMPROVEMENTS, AND FINISH FLOOR ELEVATIONS. NOTIFY THE OWNER'S CONSTRUCTION ADMINISTRATOR IMMEDIATELY UPON NOTING ANY DISCREPANCIES.
9. FINISH GRADE AT TURF AREAS SHALL BE ONE INCH BELOW FINISH SURFACE OF SIDEWALKS, CURBS OR PAVED AREAS. PLANTING AREA FINISH GRADE SHALL BE 2" BELOW SAME UNLESS OTHERWISE SPECIFIED.
10. ALL CONSTRUCTION AREAS SHALL BE FREE OF ROCK, DEBRIS, ETC. ALL EXISTING WEEDS SHALL BE REMOVED.
11. CONTRACTOR SHALL MEET EXISTING GRADE AT GRADING LIMITS WITH A SMOOTH AND CONTINUOUS TRANSITION.

GRADING LEGEND:

- - - - -	EXISTING CONTOURS
———	PROPOSED CONTOURS
— GB — GB —	PROPOSED GRADE BREAK
XXX.XX FS	PROPOSED ELEVATIONS
>	PROPOSED FLOW DIRECTION

BS	BOTTOM OF STEP
FG	FINISH GRADE
FS	FINISH SURFACE
HP	HIGH POINT
INV	INVERT ELEVATION (MAY CHANGE IN FIELD)
PA	PLANTING AREA
TD	TOP OF DRAIN
TL	TOP OF LEDGE
TP	TOP OF PAD
TR	TOP OF RAIL
TS	TOP OF STEP
XX.XX	EXISTING ELEVATION (VERIFY IN FIELD)


SEE DRAINAGE PLAN
2'-0" TYP.
2% MIN.
SEE DRAINAGE PLAN
FINISH GRADE, 2" CLR. @SHRUB AREA, 1" CLR. @ TURF, TYP.
CONCRETE SLAB EDGE
COMPACTED SUBGRADE
TYPICAL SLOPE FACTORS
1:1 1' 1'
2:1 1' 2'
3:1 1' 3'
4:1 1' 4'
5:1 1' 5'

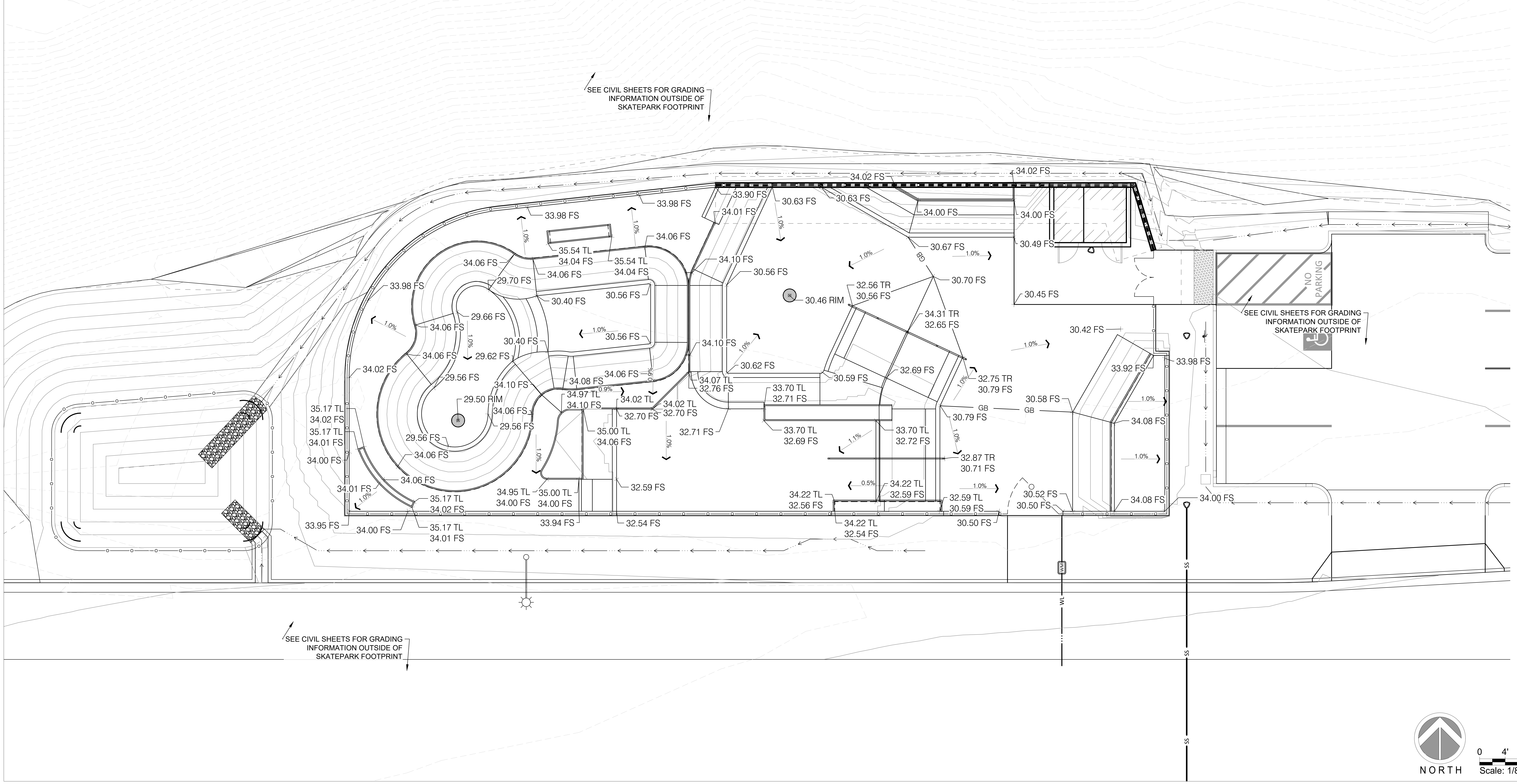
NOTES

1. TYPICAL SLOPE DETAIL FOR INFORMATIONAL PURPOSES ONLY. ALL SLOPE GRADING AND DRAINAGE SHALL CONFORM TO APPROVED GRADING PLAN.

① TYPICAL SLOPE DETAIL

3/4" = 1'-0"

P-HYB-CAM-12


SEE CIVIL SHEETS FOR GRADING INFORMATION OUTSIDE OF SKATEPARK FOOTPRINT
34.02 FS
34.02 FS
33.90 FS
30.63 FS
30.63 FS
33.98 FS
33.98 FS
34.01 FS
34.00 FS
34.00 FS
30.49 FS
1.0%
34.06 FS
35.54 TL
34.04 FS
35.54 TL
34.04 FS
34.06 FS
34.06 FS
34.10 FS
30.67 FS
30.56 FS
GB
29.70 FS
33.98 FS
30.40 FS
30.56 FS
32.56 TR
30.56 FS
30.46 RIM
30.70 FS
30.45 FS
NO PARKING
SEE CIVIL SHEETS FOR GRADING INFORMATION OUTSIDE OF SKATEPARK FOOTPRINT
29.66 FS
34.06 FS
30.56 FS
34.31 TR
32.65 FS
30.42 FS
34.06 FS
30.40 FS
29.62 FS
34.10 FS
30.62 FS
33.92 FS
33.98 FS
34.02 FS
29.56 FS
34.10 FS
34.08 FS
34.06 FS
34.07 TL
32.76 FS
30.59 FS
32.69 FS
32.75 TR
30.79 FS
29.50 RIM
34.97 TL
34.10 FS
0.9%
34.02 TL
33.70 TL
32.71 FS
30.58 FS
GB
35.17 TL
34.02 FS
35.17 TL
34.01 FS
34.06 FS
32.70 FS
34.02 TL
32.70 FS
GB
30.79 FS
34.08 FS
29.56 FS
29.56 FS
35.00 TL
34.06 FS
32.71 FS
33.70 TL
32.69 FS
33.70 TL
32.72 FS
34.00 FS
34.06 FS
32.87 TR
30.71 FS
34.06 FS
34.01 FS
32.59 FS
0.5%
34.22 TL
32.59 FS
30.52 FS
35.17 TL
34.02 FS
34.95 TL
34.00 FS
35.00 TL
34.00 FS
34.22 TL
32.56 FS
32.59 TL
30.59 FS
30.50 FS
34.08 FS
34.00 FS
33.95 FS
34.00 FS
35.17 TL
34.01 FS
33.94 FS
32.54 FS
34.22 TL
32.54 FS
30.50 FS
WL
SS
SEE CIVIL SHEETS FOR GRADING INFORMATION OUTSIDE OF SKATEPARK FOOTPRINT
NORTH
0 4' 8' 16'
Scale: 1/8" = 1'-0"

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SKATEPARKS
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SKATE PARK DESIGNED BY
CW

STAMP:

DOCUMENTS BY
AL, CR

PLAN CHECKED BY
DH, MB

DATE
3/3/2026

PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
GRADING + DRAINAGE PLAN

SHEET
SK8.0

GRADING SCHEDULE

CODE	DESCRIPTION	QTY	DETAIL
● L-01	AREA DRAIN	2	5/SK11.0

GRADING NOTES

1. ALL GRADING SHALL BE IN ACCORDANCE WITH THE LOCAL GRADING CODE AND ANY SPECIAL REQUIREMENTS OF THE GRADING PERMIT.
2. CONTRACTOR TO VERIFY GRADES AND NOTIFY OWNER'S CONSTRUCTION ADMINISTRATOR PRIOR TO START OF GRADING WORK.
3. SLOPES SHALL BE NO STEEPER THAN 3' HORIZONTAL TO 1' VERTICAL (3:1) AND SHALL HAVE NOT LESS THAN 90% COMPACTION OUT TO THEIR FINISH SURFACES.
4. ALL PAVED AREAS SHALL SLOPE AS SHOWN ON PLANS WITH A 2% MAXIMUM FALL. PLANTED AREAS SHALL HAVE A MINIMUM 2% FALL.
5. FINISH GRADE SHALL HAVE A UNIFORM SURFACE, FREE OF LUMPS, BUMPS AND DEPRESSIONS AND ANY OBJECTS THAT MAY PREVENT A POSITIVE FLOW TO DRAIN.
6. ALL PROPOSED PAVING SURFACES SHALL MEET EXISTING PAVING SURFACES WITH SMOOTH AND CONTINUOUS TRANSITIONS AND FLUSH ALONG ENTIRE EDGE.
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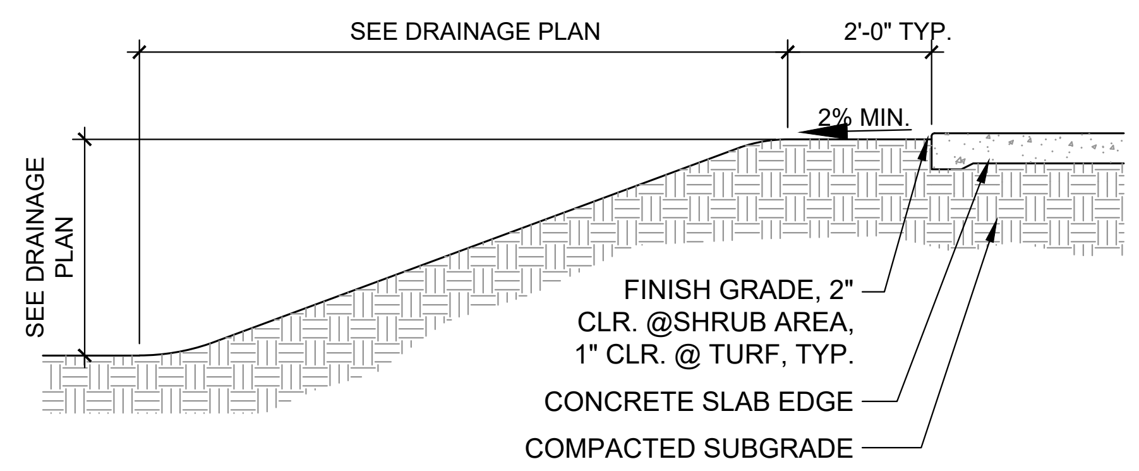
GRADING LEGEND:

- - - - -	EXISTING CONTOURS
———	PROPOSED CONTOURS
— GB —— GB —	PROPOSED GRADE BREAK
XXX.XX FS	PROPOSED ELEVATIONS
→	PROPOSED FLOW DIRECTION

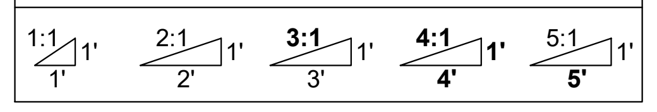
BS	BOTTOM OF STEP
FG	FINISH GRADE
FS	FINISH SURFACE
HP	HIGH POINT
INV	INVERT ELEVATION (MAY CHANGE IN FIELD)
PA	PLANTING AREA
TD	TOP OF DRAIN
TL	TOP OF LEDGE
TP	TOP OF PAD
TR	TOP OF RAIL
TS	TOP OF STEP
XX.XX	EXISTING ELEVATION (VERIFY IN FIELD)


SEE DRAINAGE PLAN
2'-0" TYP.
2% MIN.
SEE DRAINAGE PLAN
FINISH GRADE, 2" CLR. @SHRUB AREA, 1" CLR. @ TURF, TYP.
CONCRETE SLAB EDGE
COMPACTED SUBGRADE

NOTES

1. TYPICAL SLOPE DETAIL FOR INFORMATIONAL PURPOSES ONLY. ALL SLOPE GRADING AND DRAINAGE SHALL CONFORM TO APPROVED GRADING PLAN.

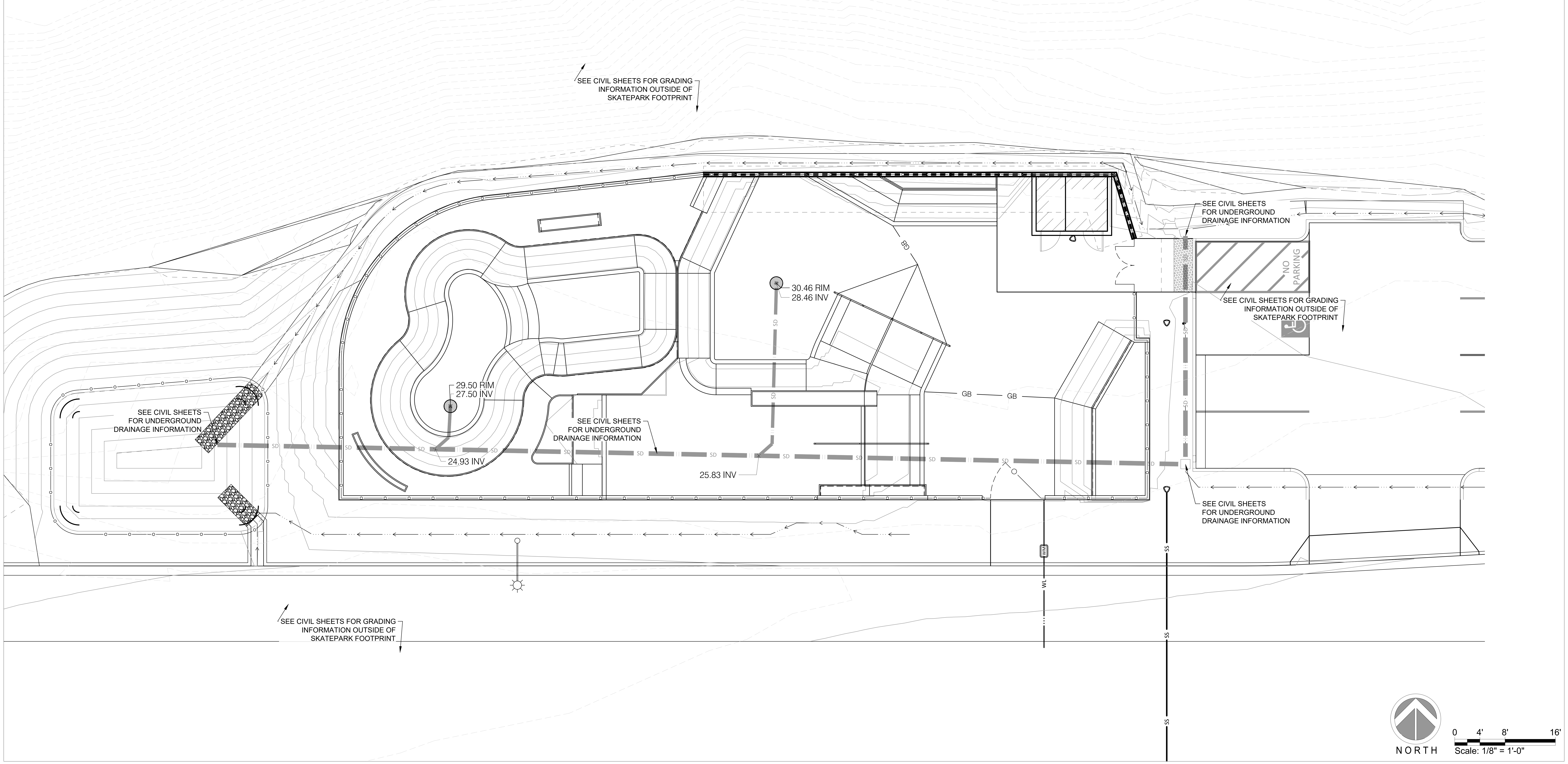
TYPICAL SLOPE FACTORS


1:1 1' 1'
2:1 1' 2'
3:1 1' 3'
4:1 1' 4'
5:1 1' 5'

1 TYPICAL SLOPE DETAIL

3/4" = 1'-0"

P-HYB-CAM-12


SEE CIVIL SHEETS FOR GRADING INFORMATION OUTSIDE OF SKATEPARK FOOTPRINT
SEE CIVIL SHEETS FOR UNDERGROUND DRAINAGE INFORMATION
30.46 RIM
28.46 INV
GB
SD
NO PARKING
SEE CIVIL SHEETS FOR GRADING INFORMATION OUTSIDE OF SKATEPARK FOOTPRINT
SEE CIVIL SHEETS FOR UNDERGROUND DRAINAGE INFORMATION
29.50 RIM
27.50 INV
SEE CIVIL SHEETS FOR UNDERGROUND DRAINAGE INFORMATION
GB GB
24.93 INV
25.83 INV
SEE CIVIL SHEETS FOR UNDERGROUND DRAINAGE INFORMATION
WL
SS
SEE CIVIL SHEETS FOR GRADING INFORMATION OUTSIDE OF SKATEPARK FOOTPRINT
NORTH
0 4' 8' 16'
Scale: 1/8" = 1'-0"

SPOHN RANCH SKATEPARKS

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△	-	-	-

SKATE PARK DESIGNED BY
CW

DOCUMENTS BY
AL, CR

PLAN CHECKED BY
DH, MB

DATE
3/3/2026

STAMP:

PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
UNDERGROUND DRAINAGE PLAN

SHEET
SK8.1

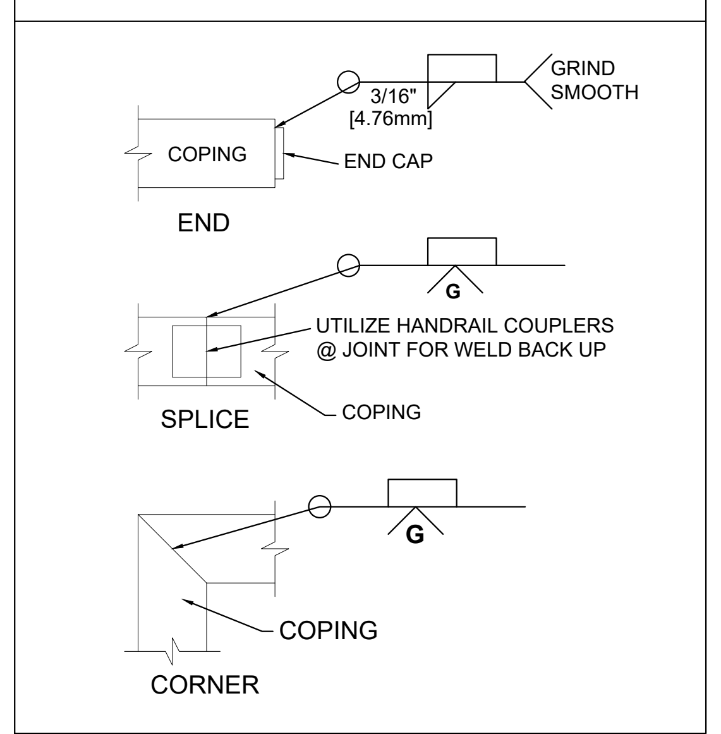
STEEL SCHEDULE

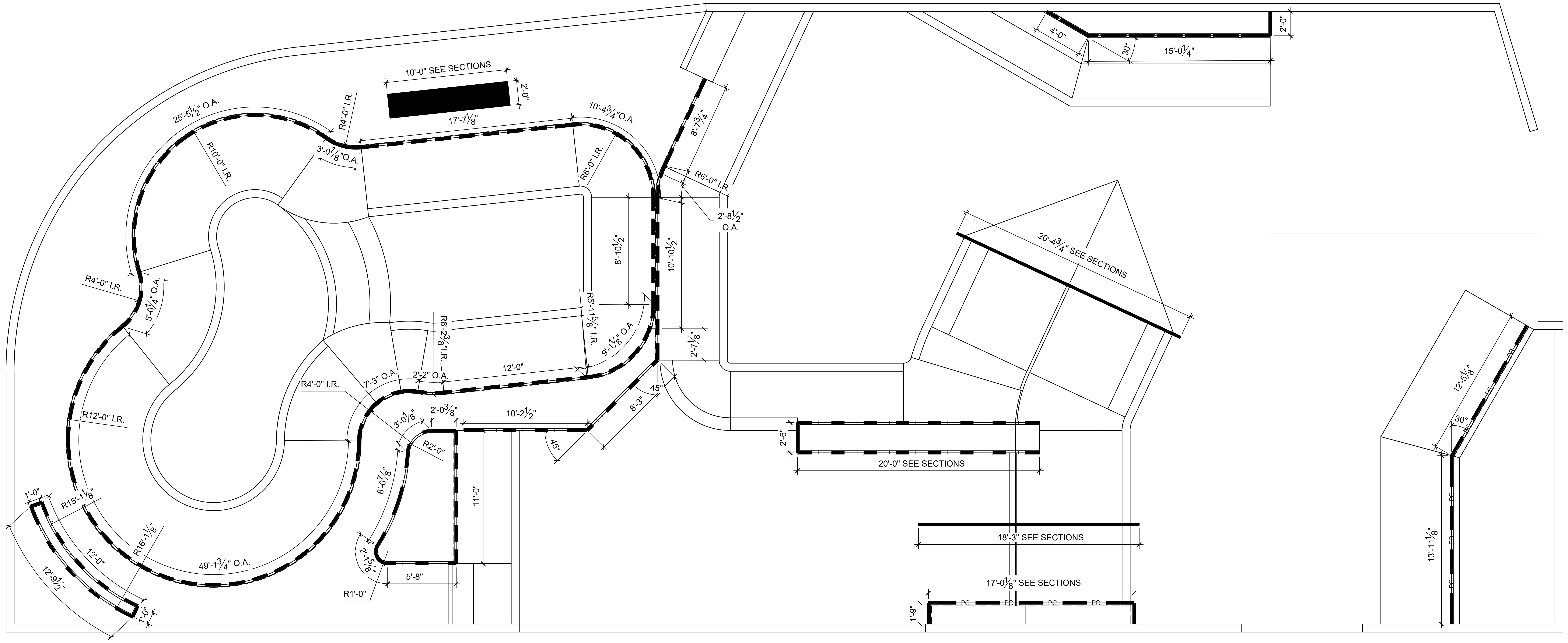
CODE	DESCRIPTION	DETAIL	FINISH
S-01	2-3/8" O.D. SCH. 40 STEEL COPING — — — — — — — —	11/SK11.0	POWDER COAT RAL #9017
S-02	1.5 X 2 X 3/16" THICK STEEL EDGING — · — · — · — · —	9/SK11.0	POWDER COAT RAL #9017
S-03	2" STEEL STRAP —o—o—o—o—o—o—o—	10/SK11.0	POWDER COAT RAL #9017
S-04	GRIND RAIL ————————	15/SK11.0	POWDER COAT RAL #9017
S-05	PRECAST STEEL — PC — PC — PC — PC —		POWDER COAT RAL #9017
S-06	STEEL PANNED ELEMENT █		POWDER COAT RAL #9017

STEEL NOTES :

1. STEEL FINISH TO BE HOT DIPPED GALVANIZED OR POWDER COATED RAL #9017 (TRAFFIC BLACK) AS INDICATED IN LEGEND FINISH.
2. FINISH MUST OCCUR AFTER ALL WELDING IS COMPLETE.
3. CAP ALL EXPOSED TUBE OR PIPE ENDS AND ROUND ALL SHARP EDGES.
4. ALL WELDS TO BE ALL AROUND.
5. GRIND ALL WELDS SMOOTH BEFORE FINISHING.
6. FABRICATE STEEL GRIND EDGES IN LONG SECTIONS THAT WILL WORK FOR SHIPPING AND REDUCE THE NUMBER OF WELDS IN THE FIELD.
7. CLEAN METAL EDGES AFTER PLACEMENT OF CONCRETE.
8. POWDER COATING REPAIR - USE AN APPROPRIATELY COLOR MATCHED POWDER COAT TOUCH-UP SPRAY PAINT ON WELDED OR DAMAGED POWDER COATED SURFACES.
9. SEE SECTION 05 50 00 - METAL FABRICATIONS OF SPECBOOK FOR SKATEPARKS FOR ALL STEEL SPECIFICATIONS.

COPING / RAIL JOINT WELDS


3/16"
[4.76mm]
GRIND
SMOOTH
COPING
END CAP
END
G
UTILIZE HANDRAIL COUPLERS
@ JOINT FOR WELD BACK UP
SPLICE
COPING
G
COPING
CORNER


10'-0" SEE SECTIONS
2'-0"
25'-5½" O.A.
R4'-0" I.R.
17'-7⅛"
10'-4¾" O.A.
R10'-0" I.R.
3'-0⅞" O.A.
R6'-0" I.R.
8'-7¾"
R6'-0" I.R.
2'-8½" O.A.
8'-10½"
10'-10½"
R4'-0" I.R.
5'-0¼" O.A.
R5'-11⅝" I.R.
R8'-2⅜" I.R.
9'-1⅛" O.A.
2'-7⅛"
12'-0"
7'-3" O.A.
2'-2" O.A.
R4'-0" I.R.
45°
R12'-0" I.R.
3'-0⅛"
2'-0⅜"
10'-2½"
8'-3"
R2'-0"
45°
8'-0⅞"
11'-0"
1'-0"
R15'-1⅛"
R16'-1⅛"
12'-0"
49'-1¾" O.A.
2'-1⅝"
5'-8"
R1'-0"
12'-9½"
1'-0"
4'-0"
30°
15'-0¼"
2'-0"
20'-4¾" SEE SECTIONS
2'-6"
20'-0" SEE SECTIONS
18'-3" SEE SECTIONS
17'-0⅛" SEE SECTIONS
1'-9"
PC
12'-5⅛"
30°
13'-11⅛"

NORTH

0 4' 8' 16'
Scale: 1/8" = 1'-0"

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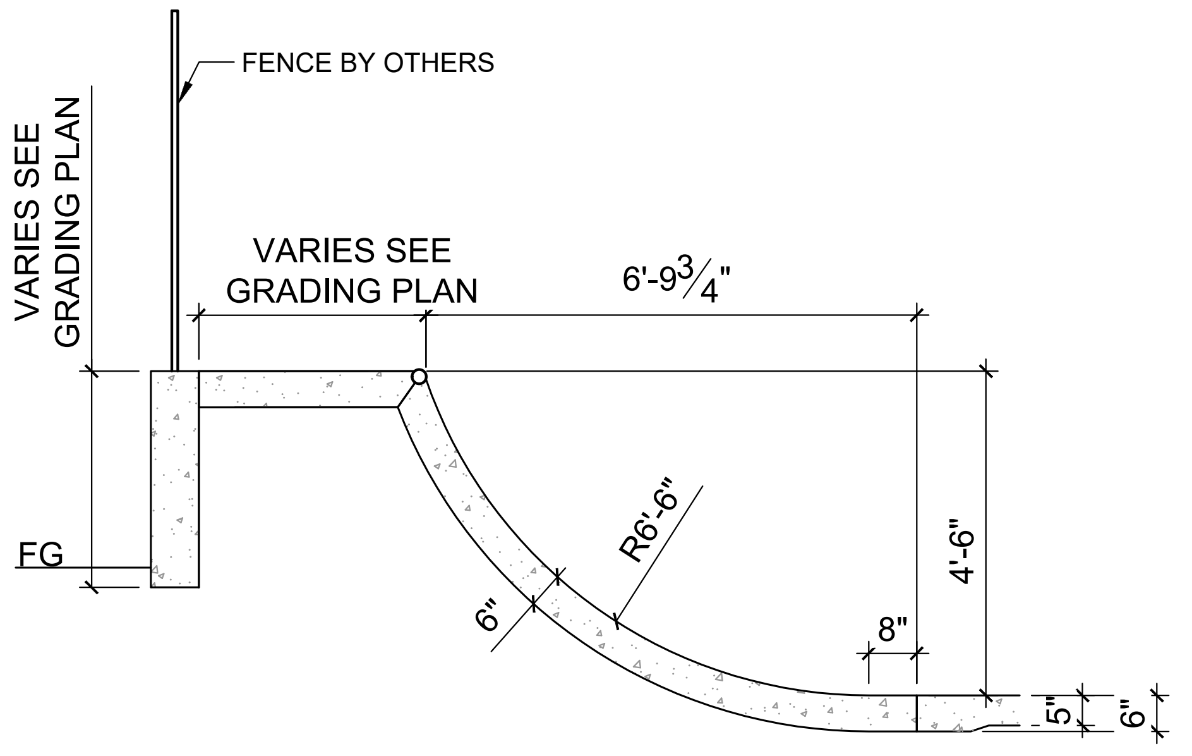
STAMP:
KEVIN S. BOEHRINGER
C 67904
3/3/26

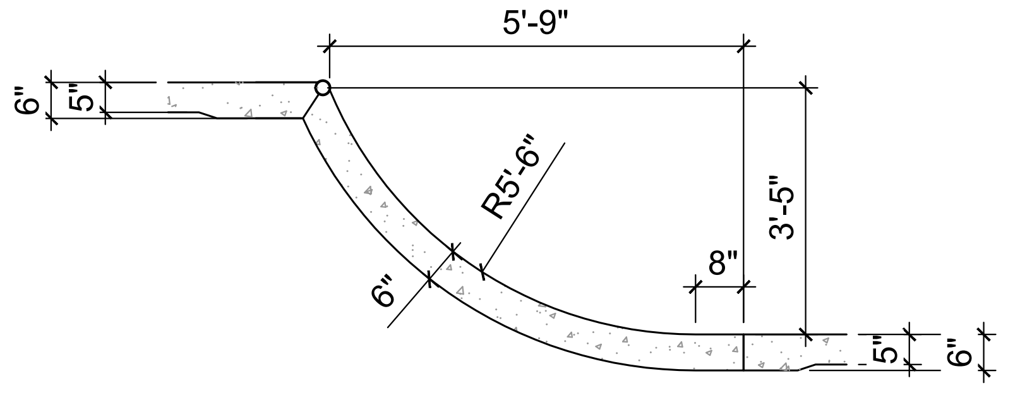
SKATE PARK DESIGNED BY
CW
DOCUMENTS BY
AL, CR
PLAN CHECKED BY
DH, MB
DATE
3/3/2026

PROJECT TITLE
CAMBRIA, CA
SHEET TITLE
STEEL PLAN

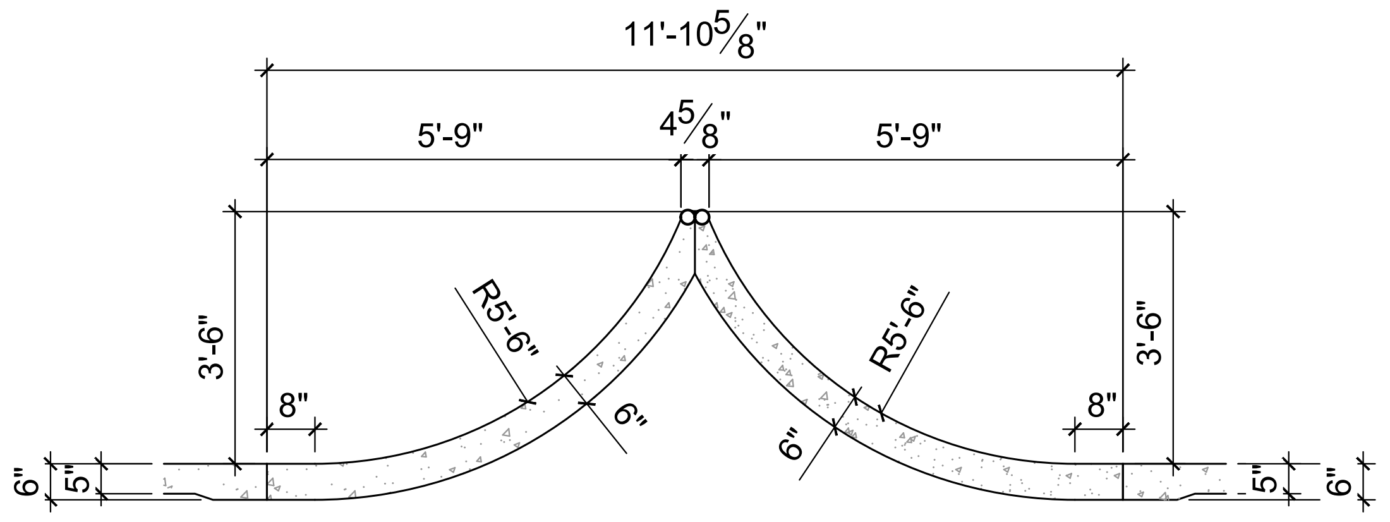
SHEET
SK9.0


FENCE BY OTHERS
VARIES SEE GRADING PLAN
VARIES SEE GRADING PLAN
6'-9 3/4"
FG
R6'-6"
6"
4'-6"
8"
5"
6"

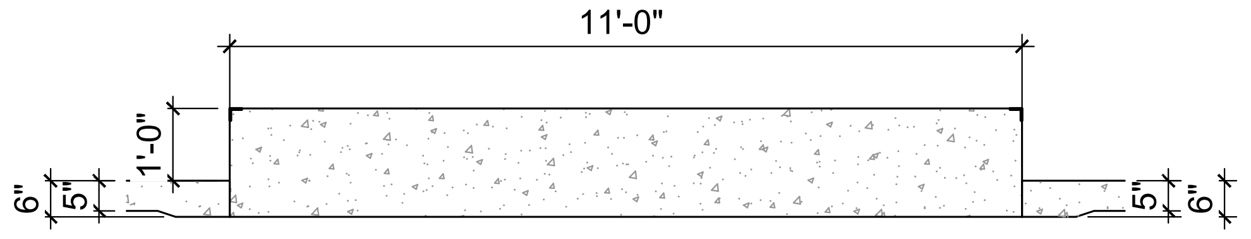
SECTION A


5'-9"
6"
5"
R5'-6"
6"
3'-5"
8"
5"
6"

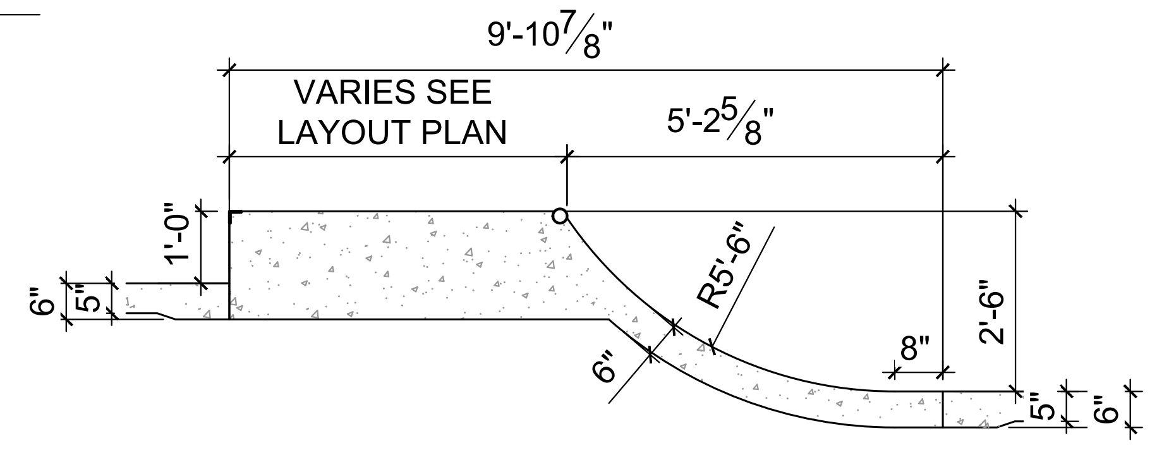
SECTION B


11'-10 5/8"
5'-9"
4 5/8"
5'-9"
3'-6"
R5'-6"
R5'-6"
3'-6"
8"
6"
6"
8"
6"
5"
5"
6"

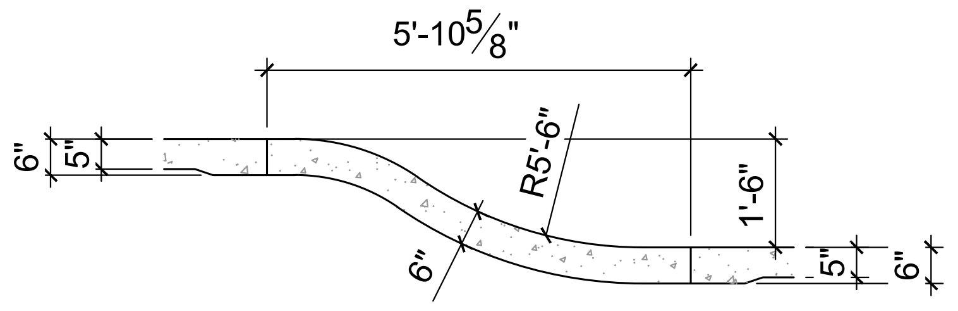
SECTION C



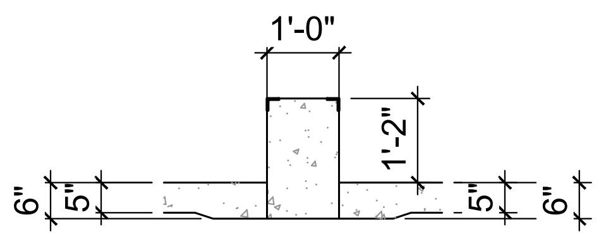
SECTION D


9'-10 7/8"
VARIES SEE LAYOUT PLAN
5'-2 5/8"
1'-0"
6"
5"
R5'-6"
2'-6"
6"
8"
5"
6"

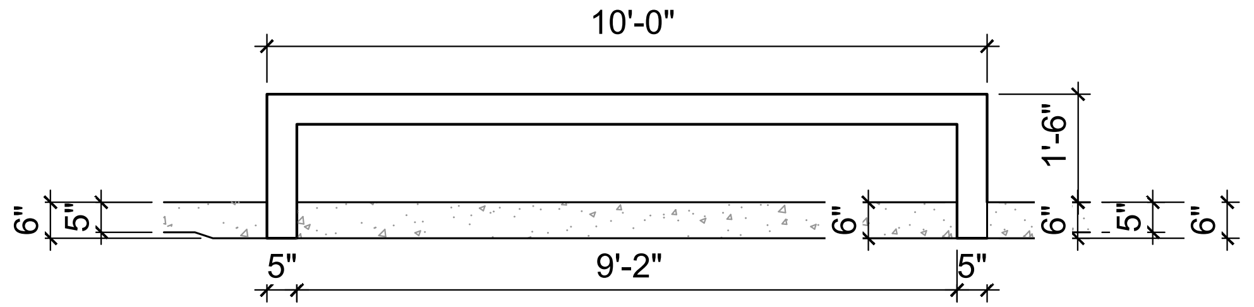
SECTION E


5'-10 5/8"
6"
5"
R5'-6"
1'-6"
6"
5"
6"

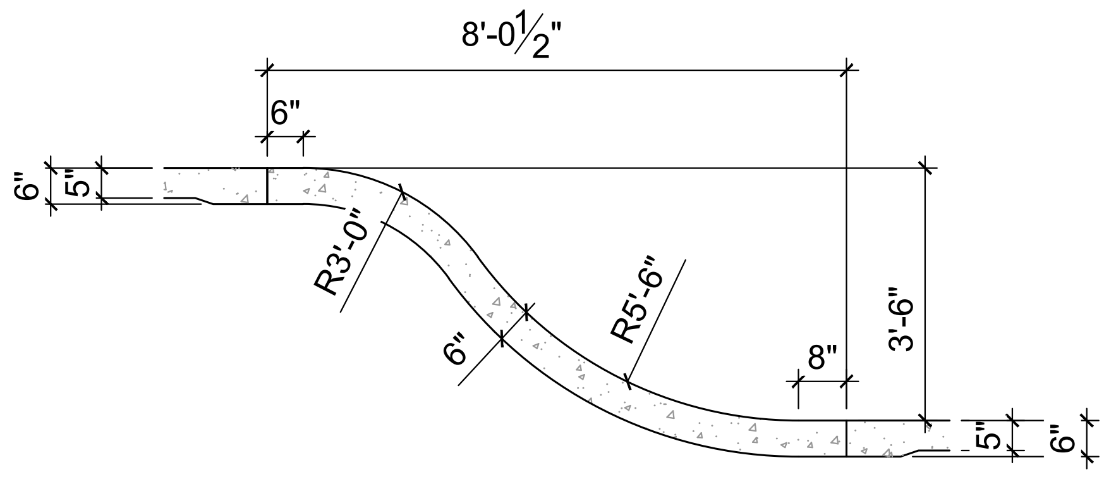
SECTION F



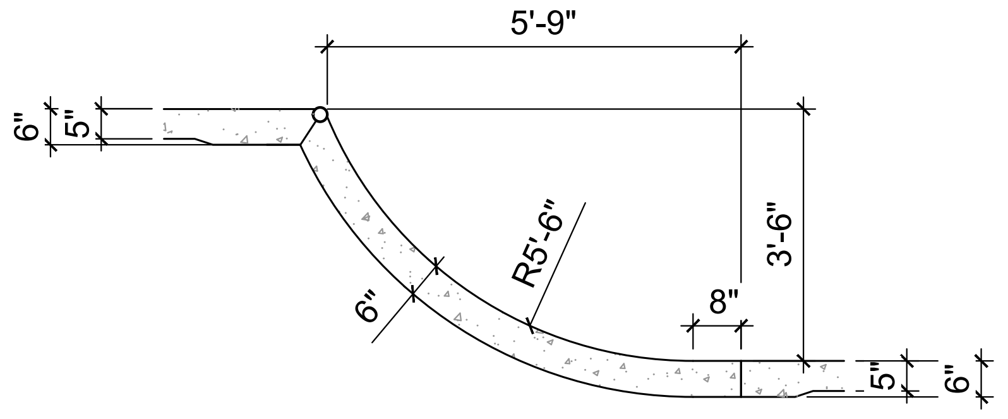
SECTION G


10'-0"
1'-6"
6"
5"
6"
6"
5"
6"
5"
9'-2"
5"

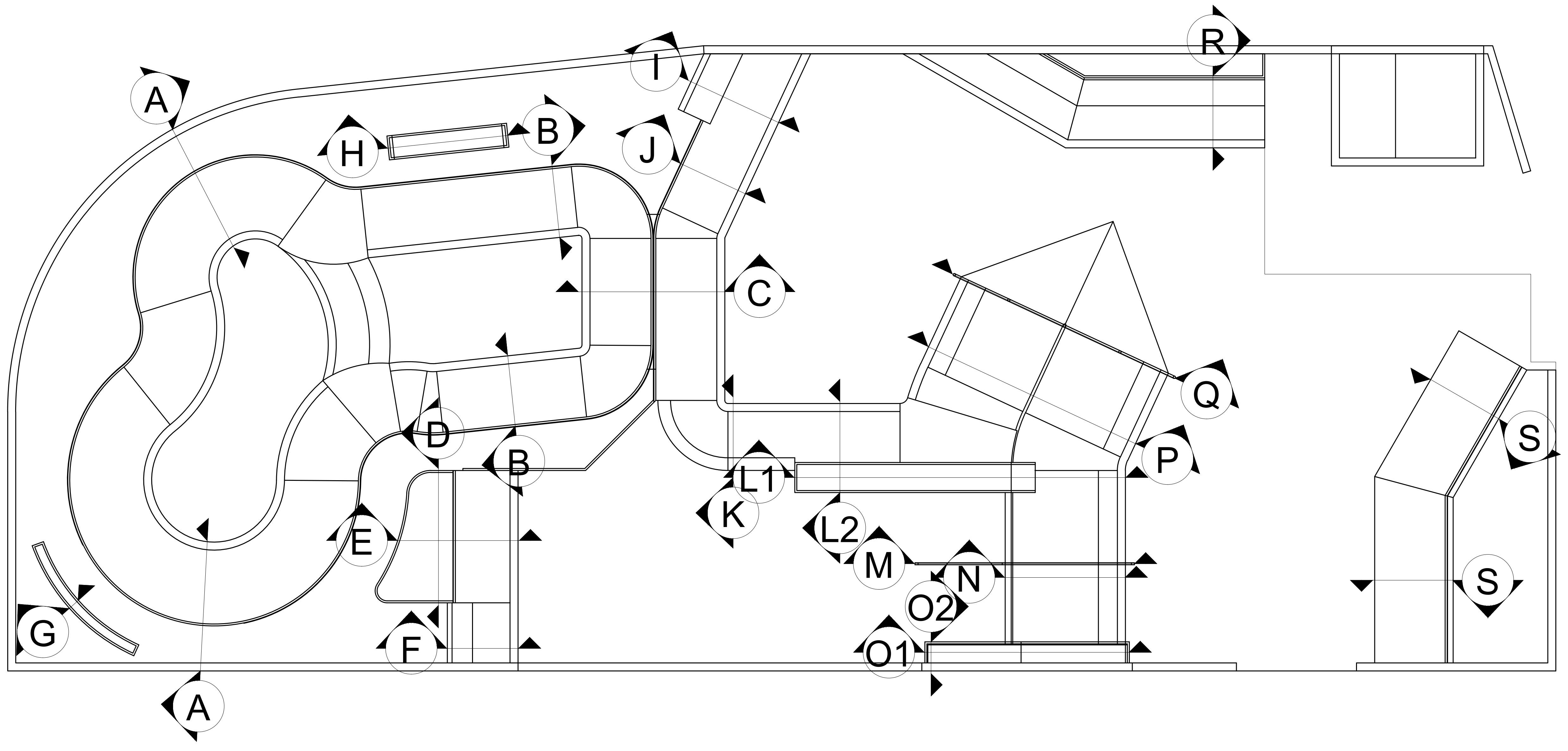
SECTION H

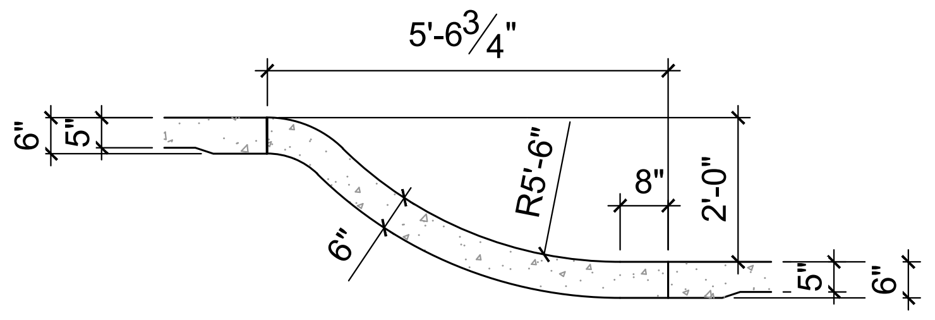

8'-0 1/2"
6"
6"
5"
R3'-0"
R5'-6"
6"
3'-6"
8"
5"
6"

SECTION I

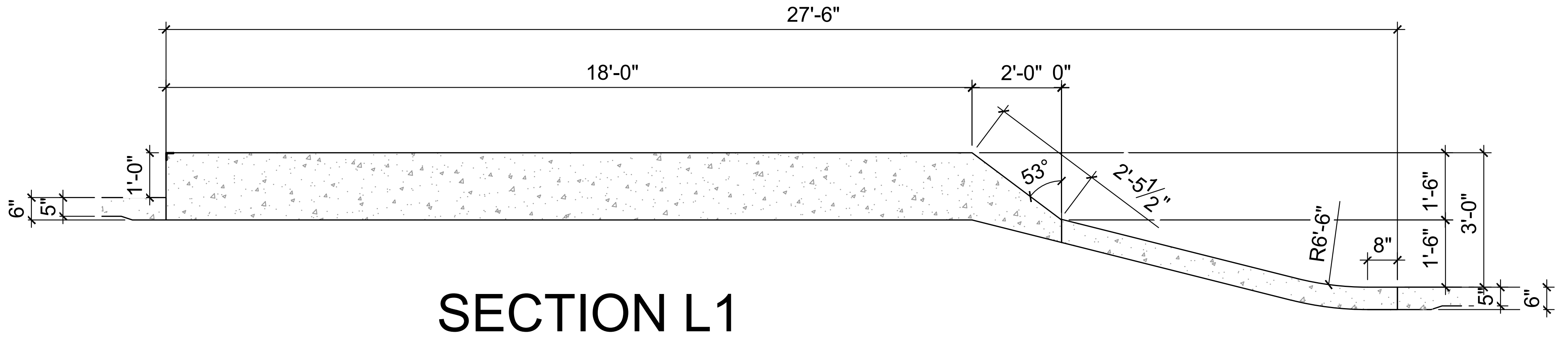

5'-9"
6"
5"
R5'-6"
6"
3'-6"
8"
5"
6"

SECTION J

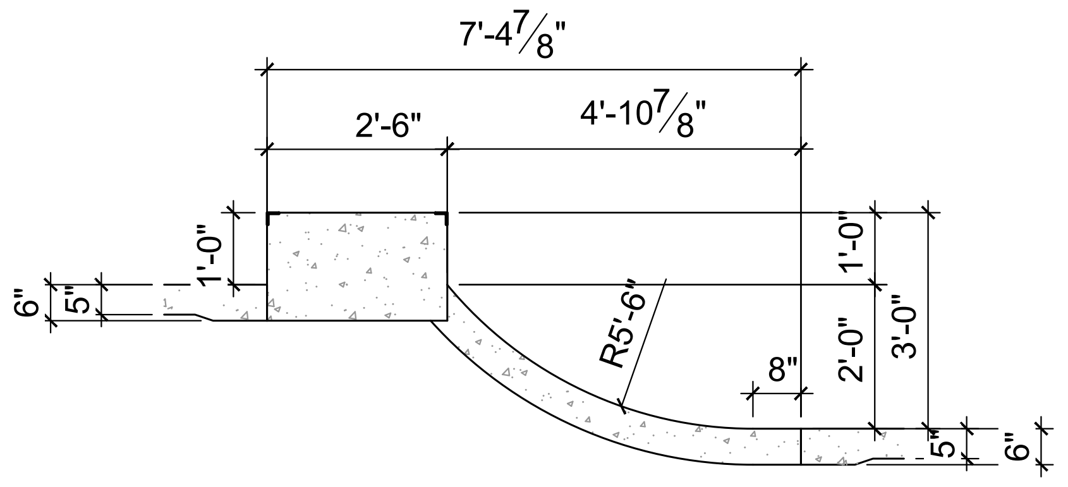

A
I
R
H
B
J
C
D
B
Q
S
P
L1
K
E
L2
M
N
O2
S
G
F
O1
A


5'-6 3/4"
6"
5"
R5'-6"
6"
8"
2'-0"
5"
6"

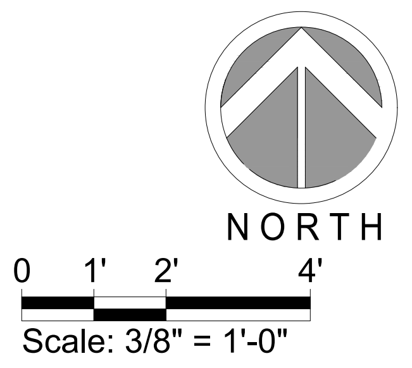
SECTION K


27'-6"
18'-0"
2'-0" 0"
53°
2'-5 1/2"
1'-0"
6"
5"
R6'-6"
8"
1'-6"
1'-6"
3'-0"
5"
6"

SECTION L1


7'-4 7/8"
2'-6"
4'-10 7/8"
1'-0"
6"
5"
R5'-6"
8"
1'-0"
2'-0"
3'-0"
5"
6"

SECTION L2


NORTH
0
1'
2'
4'
Scale: 3/8" = 1'-0"

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DESIGN. BUILD. COME TOGETHER.
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△	-	-	-
△	-	-	-
△	-	-	-

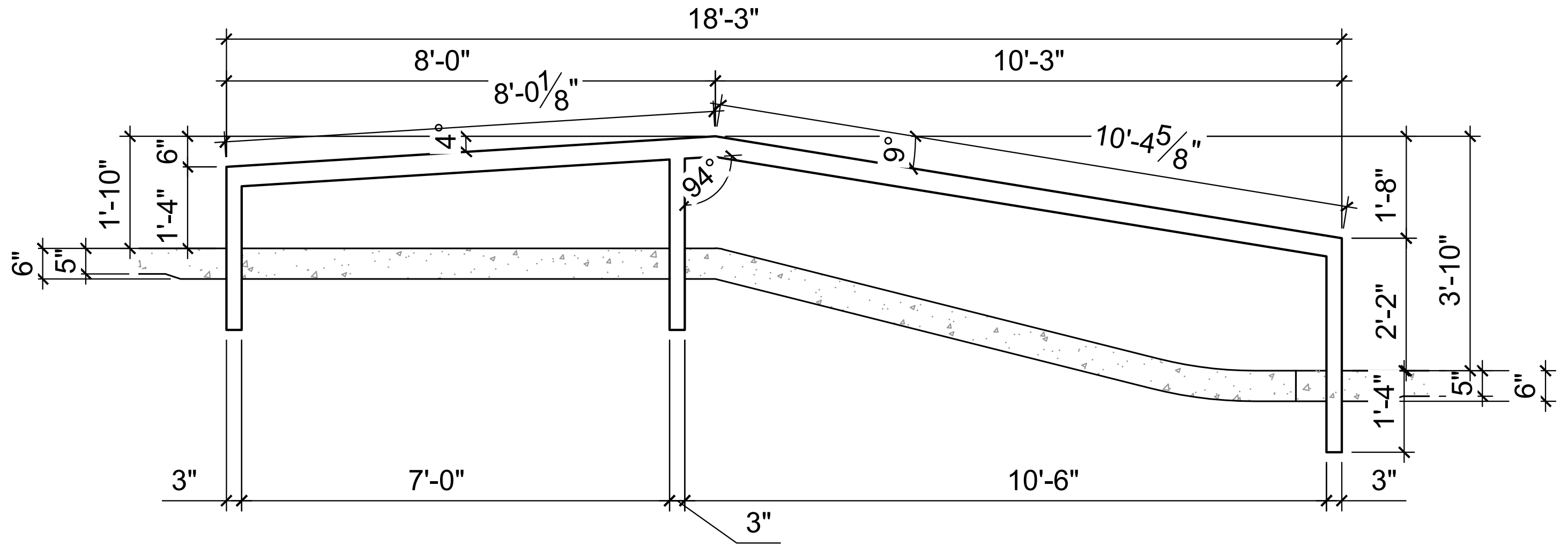
STAMP:

C 67904
3/3/26

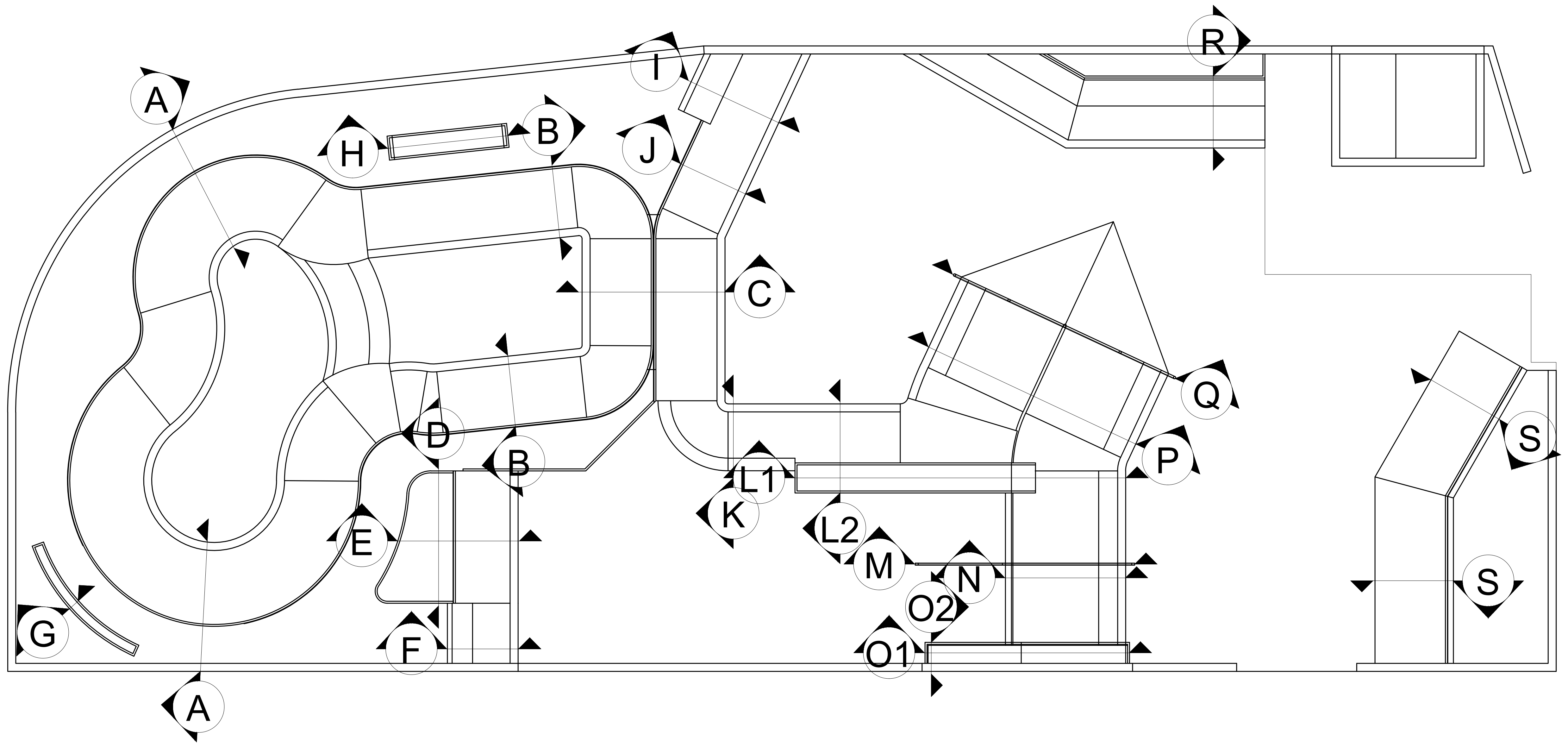
SKATE PARK DESIGNED BY
CW
DOCUMENTS BY
AL, CR
PLAN CHECKED BY
DH, MB
DATE
3/3/2026

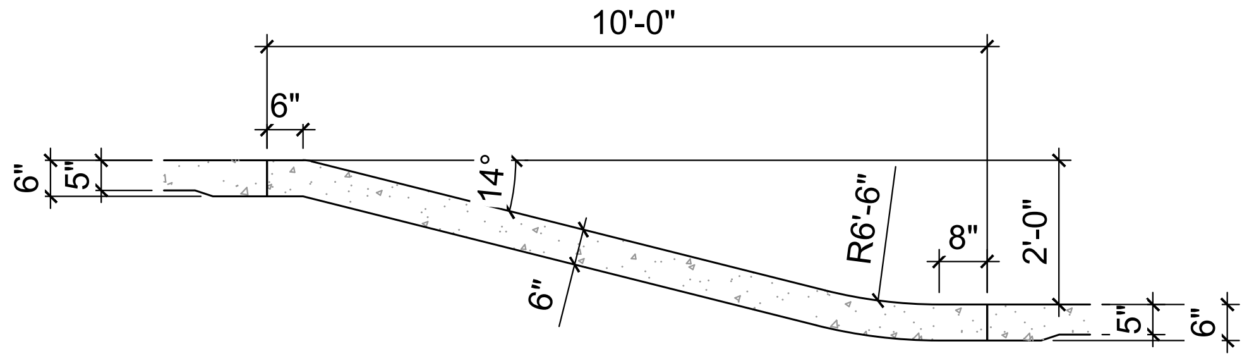
PROJECT TITLE
CAMBRIA, CA
SHEET TITLE
SECTIONS

SHEET
SK10.0
14 OF 17

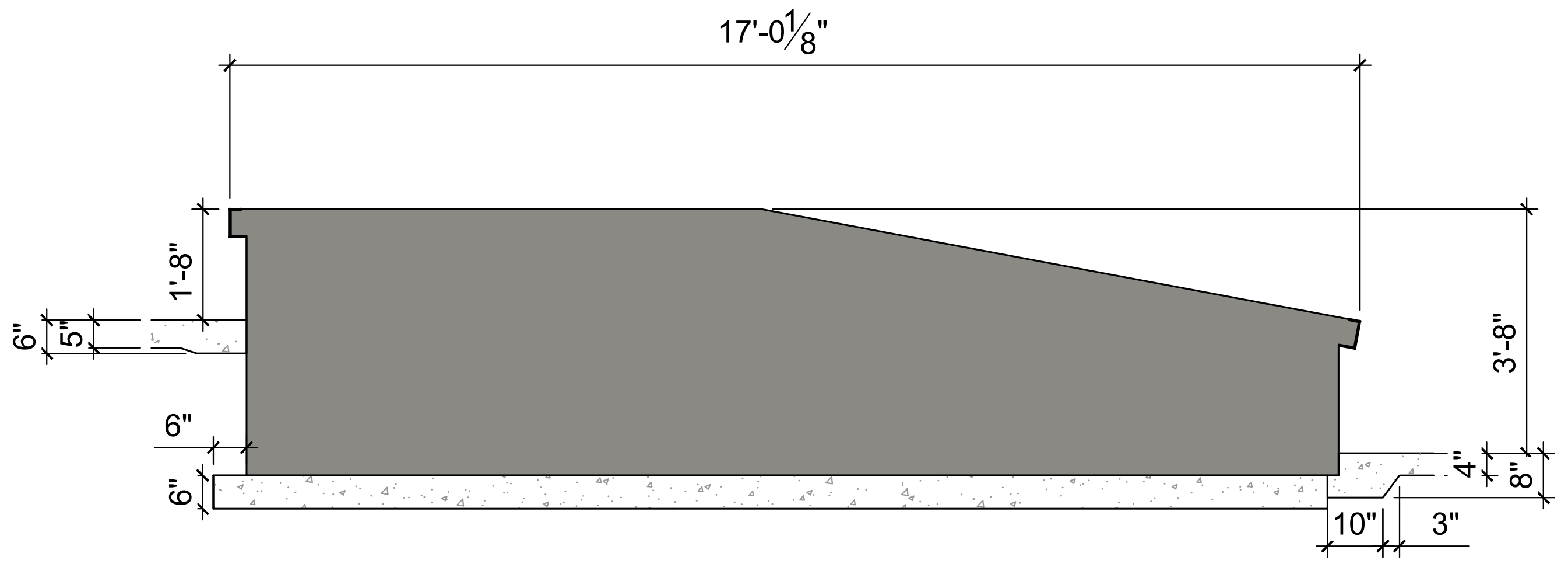

18'-3"
8'-0"
10'-3"
8'-0 1/8"
10'-4 5/8"
4°
9°
94°
6"
1'-10"
1'-4"
6"
5"
1'-8"
2'-2"
3'-10"
1'-4"
5"
6"
3"
7'-0"
3"
10'-6"
3"

SECTION M

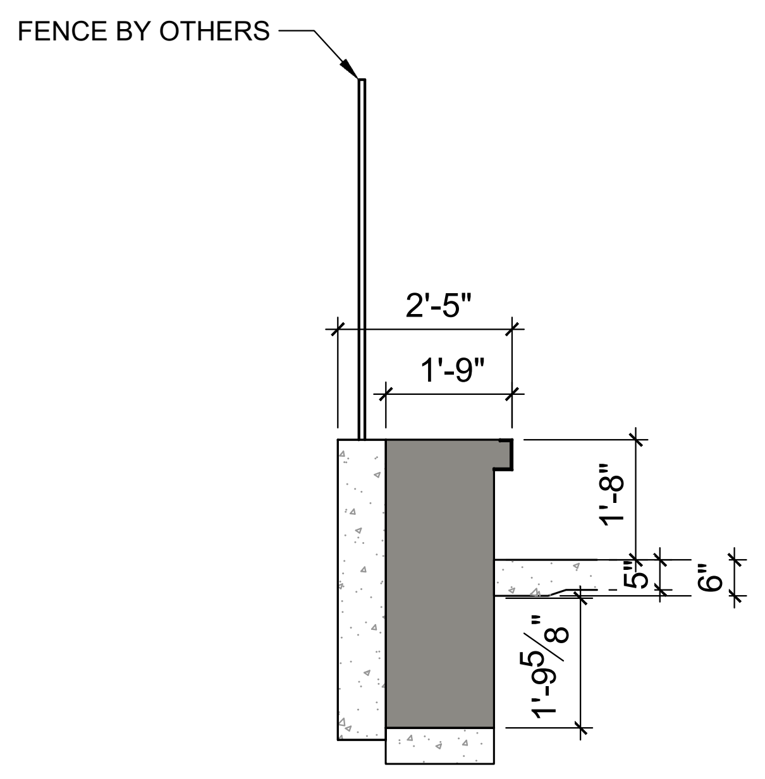

A
I
R
J
H
B
C
Q
P
S
D
B
L1
K
L2
M
N
O2
O1
E
F
G
S
A


10'-0"
6"
6"
5"
14°
R6'-6"
8"
2'-0"
6"
5"
6"

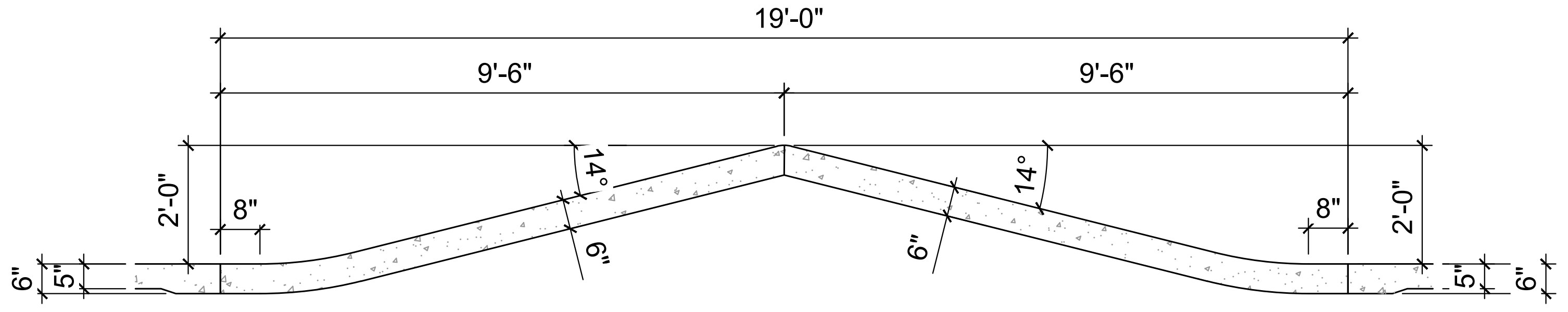
SECTION N


17'-0 1/8"
1'-8"
6"
5"
3'-8"
6"
6"
4"
8"
10"
3"

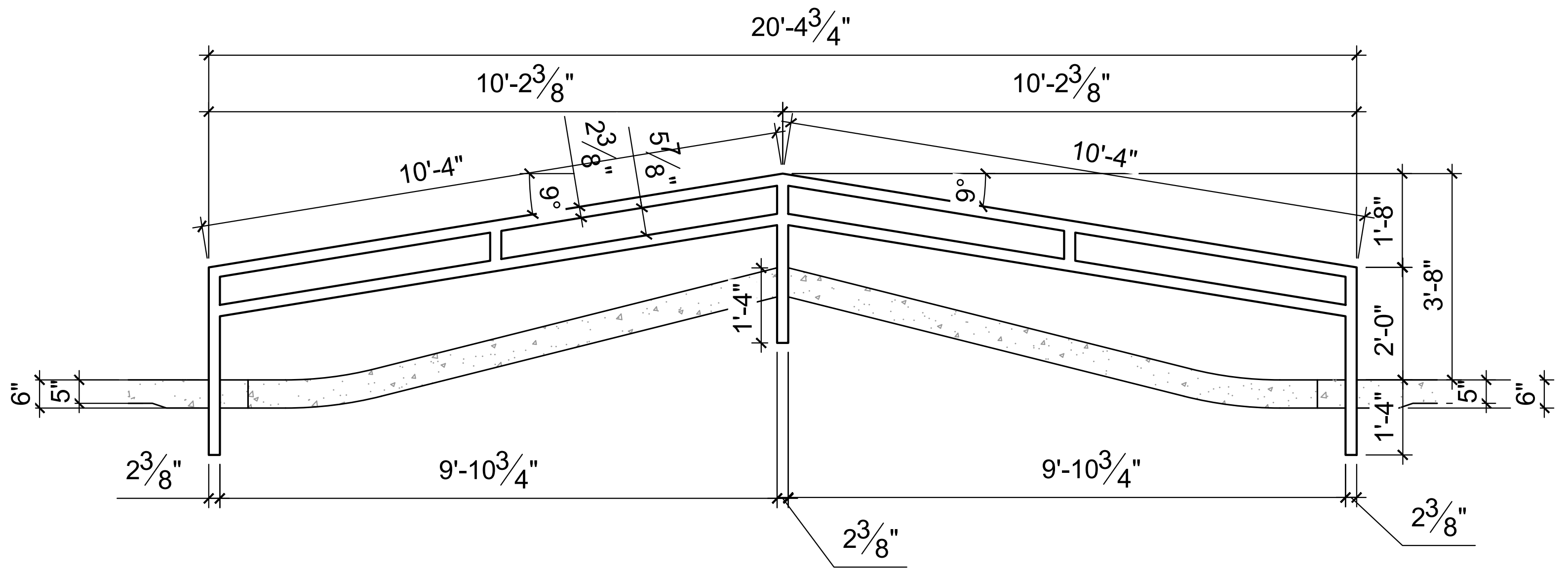
SECTION O1


FENCE BY OTHERS
2'-5"
1'-9"
1'-8"
5"
6"
1'-9 5/8"

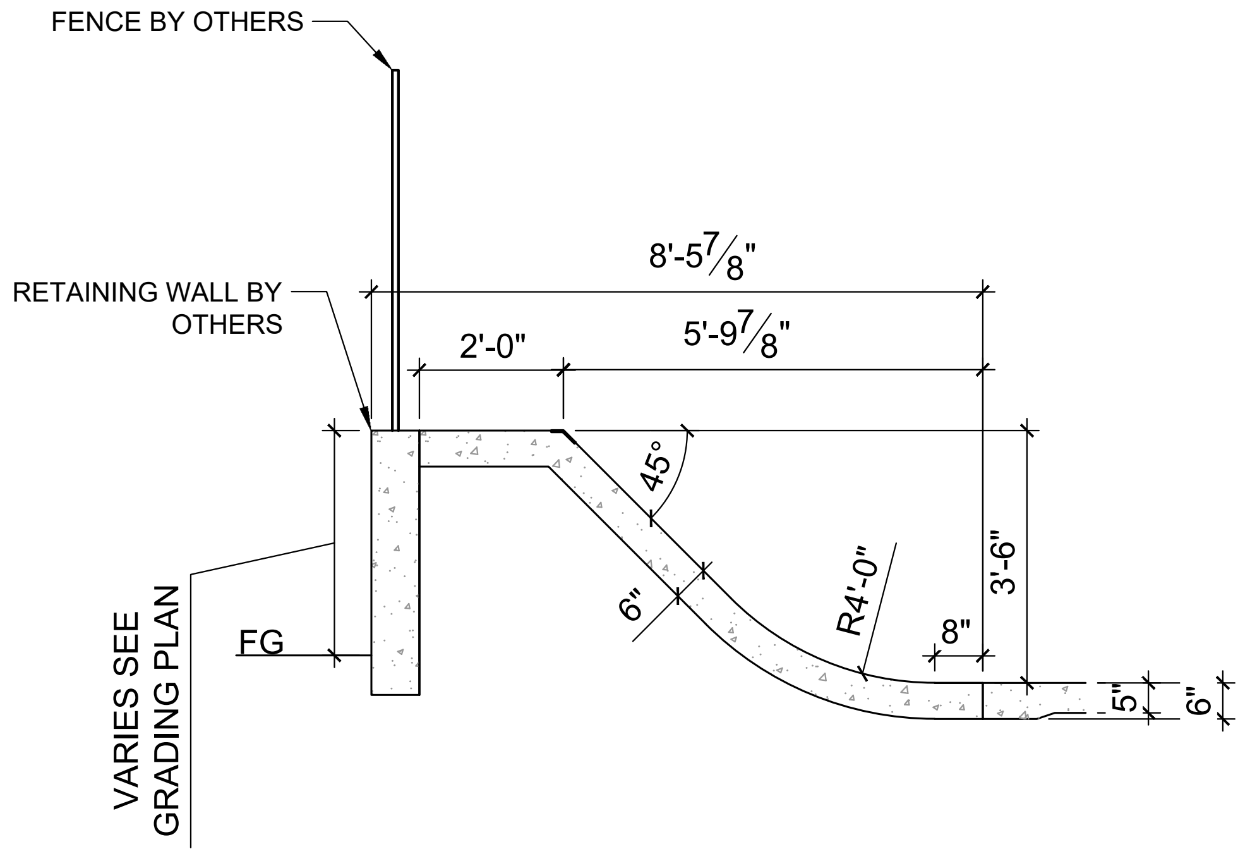
SECTION O2


19'-0"
9'-6"
9'-6"
2'-0"
8"
14°
6"
14°
6"
8"
2'-0"
6"
5"
5"
6"

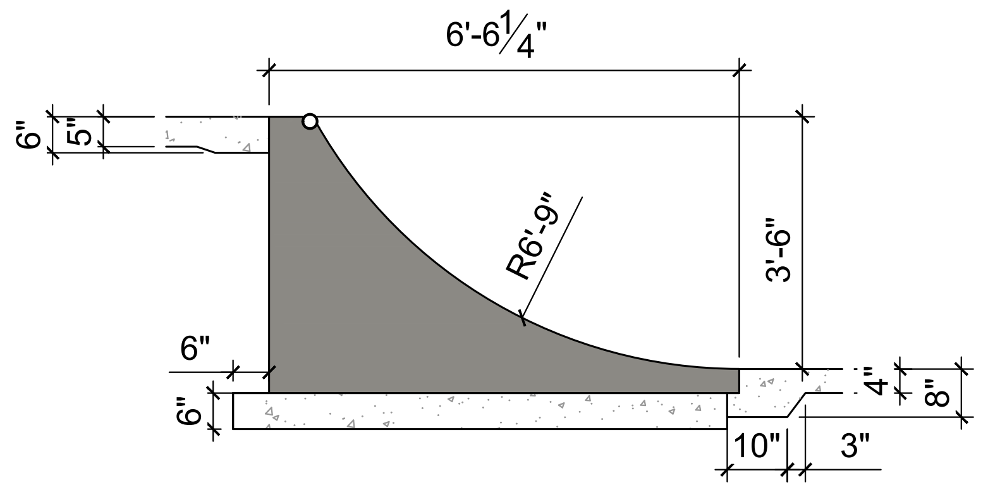
SECTION P


20'-4 3/4"
10'-2 3/8"
10'-2 3/8"
10'-4"
2 3/8"
5 7/8"
9°
10'-4"
9°
1'-8"
3'-8"
2'-0"
1'-4"
1'-4"
6"
5"
5"
6"
2 3/8"
9'-10 3/4"
9'-10 3/4"
2 3/8"
2 3/8"

SECTION Q


FENCE BY OTHERS
RETAINING WALL BY OTHERS
8'-5 7/8"
2'-0"
5'-9 7/8"
45°
6"
R4'-0"
8"
3'-6"
5"
6"
FG
VARIES SEE GRADING PLAN

SECTION R


6'-6 1/4"
6"
5"
R6'-9"
3'-6"
6"
6"
4"
8"
10"
3"

SECTION S

NORTH

0 1' 2' 4'
Scale: 3/8" = 1'-0"

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△	-	-	-
△	-	-	-

STAMP:

KEVIN S. BOEHRINGER
C 67904
3/3/26

SKATE PARK DESIGNED BY
CW

DOCUMENTS BY
AL, CR

PLAN CHECKED BY
DH, MB

DATE
3/3/2026

PROJECT TITLE
CAMBRIA, CA

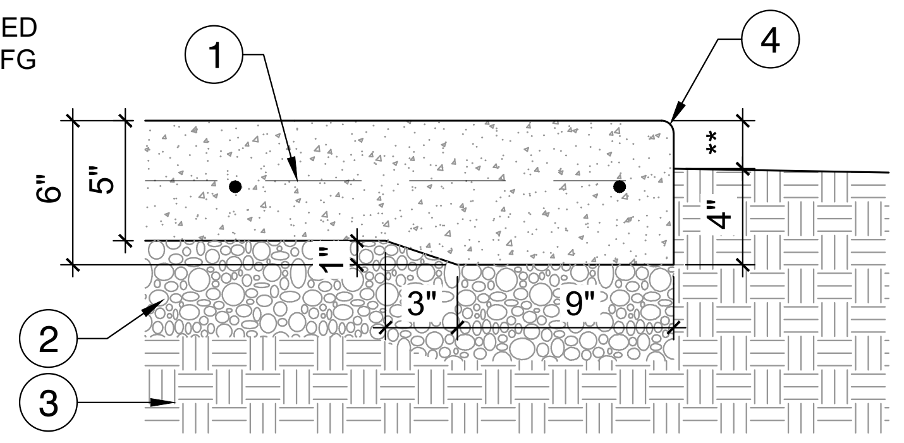
SHEET TITLE
SECTIONS

SHEET
SK10.1

① *4000 PSI CONCRETE FLATWORK WITH #3 REBAR @ 16" O.C. BW
② BASE COURSE, 4" DEEP MIN.
③ COMPACTED SUBGRADE
④ 1/2" TOOLED EDGE AT FG ONLY

*SKATEPARK SURFACE TO HAVE STEEL HARD-TROWEL FINISH. CEASE TROWELING BEFORE SURFACE BECOMES GLOSSY. DO NOT TROWEL BURN SURFACE.

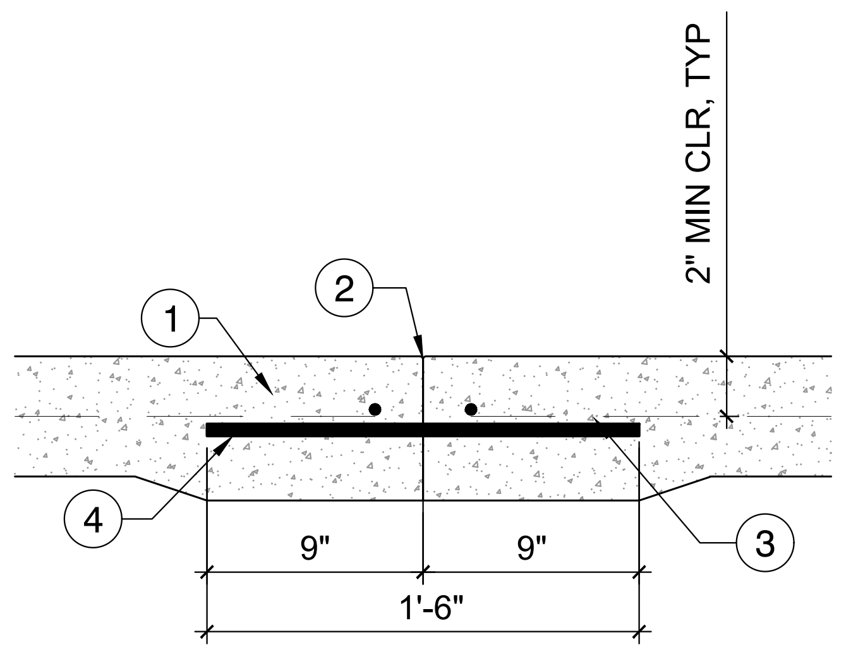
**DIMENSION SHALL BE 1" BELOW FINISH SURFACE IF SLAB EDGE IS ADJACENT TO TURF OR 2" BELOW FINISH SURFACE IF SLAB EDGE IS ADJACENT TO PLANTING AREA


1
4
6"
5"
**
4"
1"
3"
9"
2
3

1 SLAB EDGE

1 1/2" = 1'-0" P-HYB-CAM-01

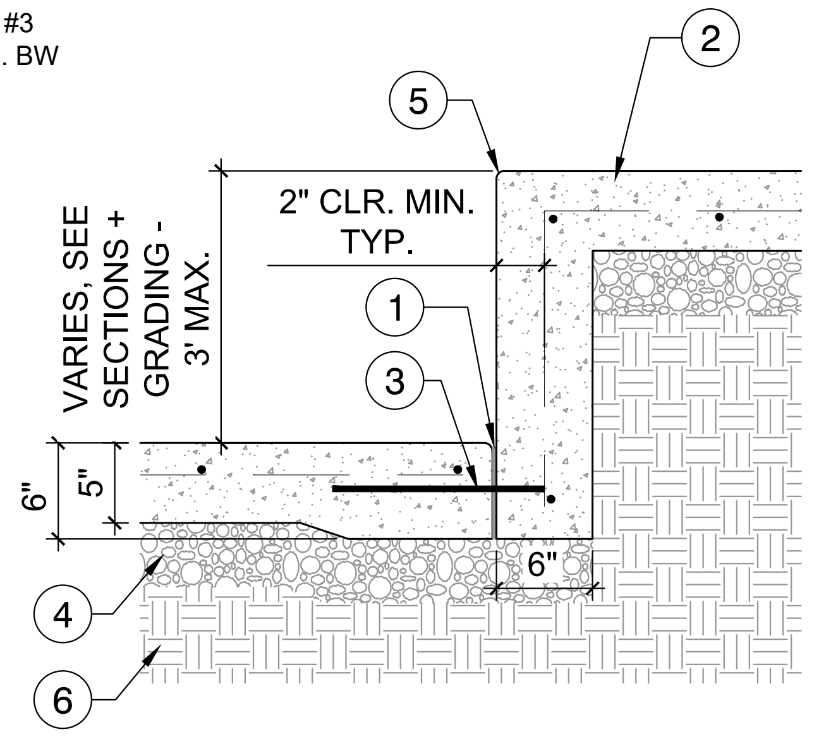
① 4000 PSI CONCRETE FLATWORK WITH #3 REBAR @ 16" O.C. BW
② COLD OR EXPANSION JOINT
③ SLEEVE FOR SLIP DOWEL OR WRAP/GREASE ONE END
④ 1/2" SMOOTH DOWEL OR REBAR DROP. SPACE 2'-6" O.C. ALONG JOINT


2" MIN CLR, TYP
1
2
4
3
9"
9"
1'-6"

2 SLIP DOWEL

1 1/2" = 1'-0" P-HYB-CAM-20

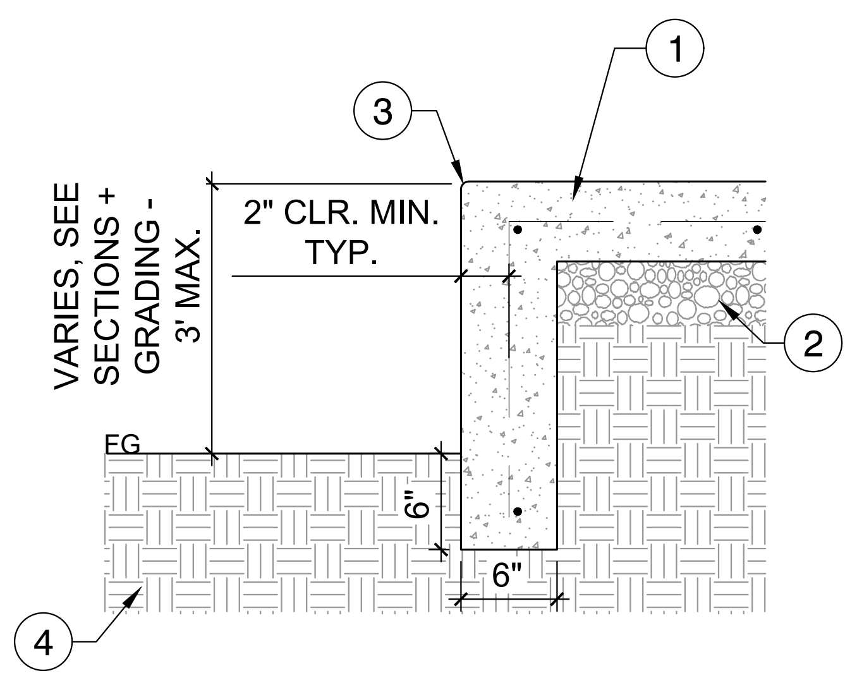
① EXPANSION JOINT
② 4000 PSI CONCRETE FLATWORK WITH #3 REBAR @ 16" O.C. BW
③ SLIP DOWEL
④ BASE COURSE
⑤ 1/2" TOOLED EDGE OR STEEL EDGING. SEE STEEL PLAN FOR LOCATION.
⑥ COMPACTED SUBGRADE


2
5
2" CLR. MIN. TYP.
VARIES, SEE SECTIONS + GRADING - 3' MAX.
1
3
5"
6"
6"
4
6

3 TURNDOWN EDGE AT FS

1" = 1'-0" P-HYB-CAM-02

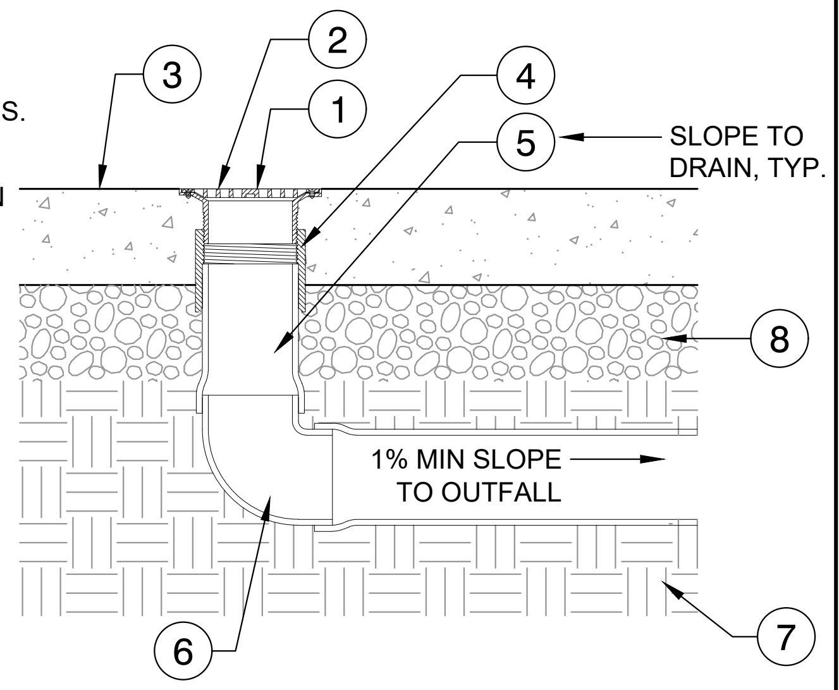
① *4000 PSI CONCRETE FLATWORK WITH #3 REBAR @ 16" O.C. BW
② BASE COURSE
③ 1/2" TOOLED EDGE OR STEEL EDGING. SEE STEEL PLAN FOR LOCATION.
④ COMPACTED SUBGRADE


3
1
2" CLR. MIN. TYP.
VARIES, SEE SECTIONS + GRADING - 3' MAX.
2
FG
6"
6"
4

4 TURNDOWN EDGE AT FINISHED GRADE

1" = 1'-0" P-HYB-CAM-03

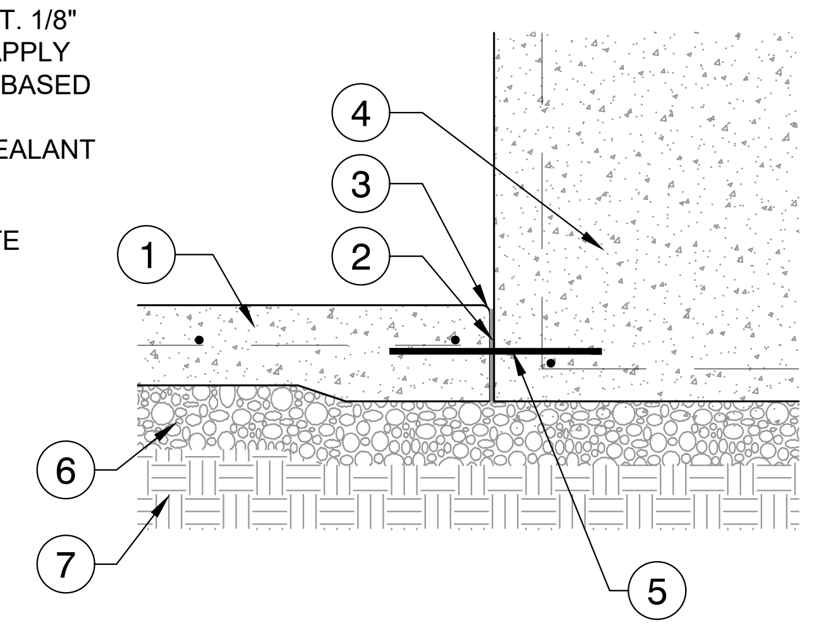
① ZURN FD2210-PV4-NT ADJUSTABLE FLOOR DRAIN WITH 5" "TYPE B" NICKEL BRONZE STRAINER, OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
② TOP OF DRAIN. SEE GRADING PLAN
③ TYPICAL CONCRETE FLATWORK
④ ADJUSTABLE PVC OUTLET CONNECTION
⑤ SDR-35 DRAIN LINE, TYP. SEE GRADING + DRAINAGE PLAN FOR MORE INFO.
⑥ PVC DRAINLINE, 90 DEG ELBOW. INVERT ELEVATION PER GRADING PLAN.
⑦ COMPACTED SUBGRADE
⑧ BASE COURSE


3
2
1
4
5
SLOPE TO DRAIN, TYP.
8
1% MIN SLOPE TO OUTFALL
6
7

5 AREA DRAIN

1 1/2" = 1'-0" P-HYB-CAM-10

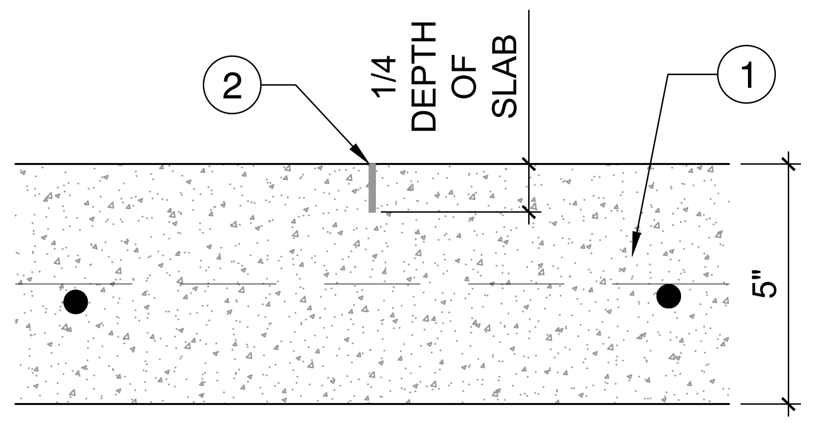
① 4000 PSI CONCRETE FLATWORK #3 REBAR @ 16" O.C.
② PRE-COMPRESSED EXPANSION MATERIAL 1/2" DECK-O-FOAM OR SIMILAR
③ EXPANSION JOINT. 1/8" TOOLED EDGE. APPLY POLYURETHANE BASED NON-SAGGING ELASTOMERIC SEALANT AND TOOL FLAT
④ CONCRETE SKATE ELEMENT
⑤ SLIP DOWEL
⑥ BASE COURSE
⑦ COMPACTED SUBGRADE



6 EXPANSION JOINT

1" = 1'-0" P-HYB-CAM-05

① 4000 PSI CONCRETE FLATWORK #3 REBAR @ 16" O.C.
② 1/8" SAW CUT - FILL JOINT WITH SELF LEVELING SEALANT AND TOOL FLAT. PROTECT SURROUNDING SURFACE FROM EXCESS SEALANT.

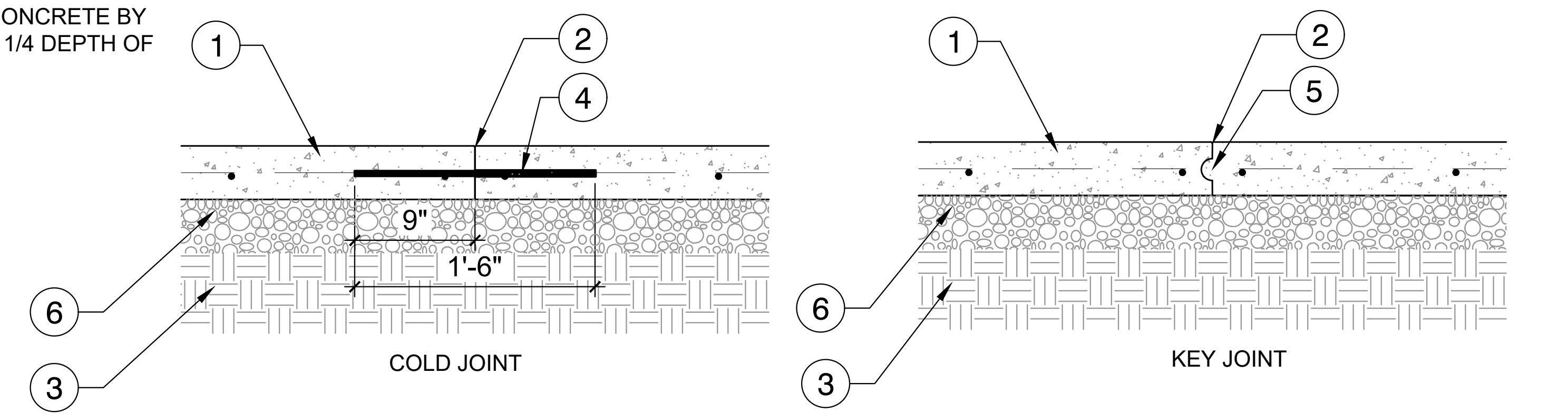

2
1/4 DEPTH OF SLAB
1
5"

7 SAWCUT JOINT

3" = 1'-0" P-HYB-CAM-06

① *4000 PSI CONCRETE FLAT WORK WITH #3 REBAR @ 16" O.C. BW
② 1/8" TOOLED EDGE BOTH SIDES. FILL JOINT WITH SELF LEVELING SEALANT AND TOOL FLAT. PROTECT SURROUNDING SURFACE FROM EXCESS SEALANT. PRIOR TO SEALING JOINT, PREP CONCRETE BY CUTTING JOINT 1/8" WIDE x 1/4 DEPTH OF CONCRETE
③ COMPACTED SUBGRADE
④ SLIP DOWEL
⑤ KEY JOINT 1-5/8" O.D.
⑥ BASE COURSE

NOTE: CONSTRUCTION JOINT MAY BE BUILT AS EITHER COLD JOINT OR KEY JOINT OPTION. IT IS UP TO THE CONTRACTOR'S DISCRECTION.

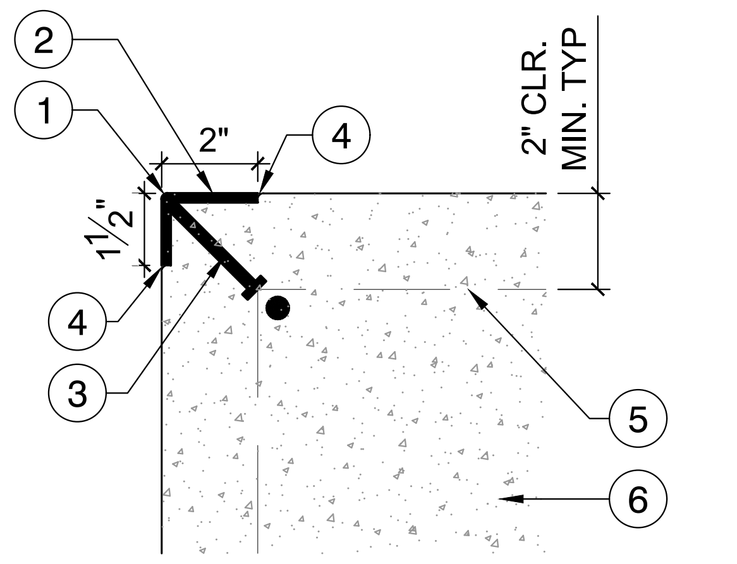

1
2
4
9"
1'-6"
6
3
COLD JOINT
1
2
5
6
3
KEY JOINT

8 COLD JOINT / KEY JOINT

1" = 1'-0" P-HYB-CAM-33

① 1/8" MIN. ROUTED EDGE GROUND SMOOTH
② 1.5" x 2" x 3/16" THICK STEEL EDGING -SEE STEEL PLAN FOR LOCATION
③ COPING ANCHOR, 3/8" X 4" MIN. NELSON STUD OR SIMILAR @ 18" O.C.
④ 1/8" TOOLED EDGE BOTH SIDES
⑤ TYPICAL STEEL REINFORCEMENT
⑥ SKATE ELEMENT

SEE STEEL PLAN FOR FABRICATION + FINISH NOTES

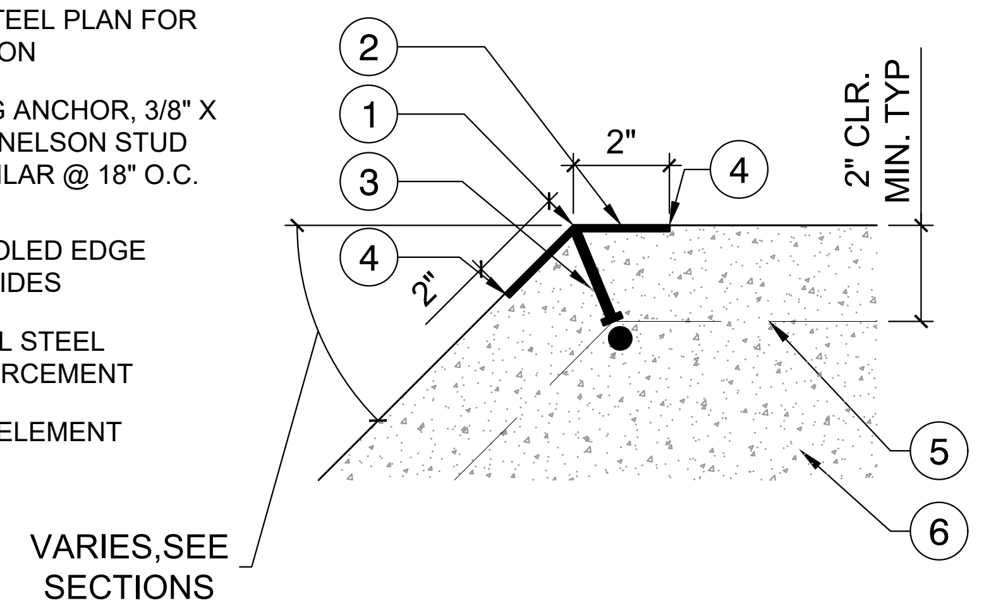

2
1
2"
4
2" CLR. MIN. TYP
1 1/2"
4
3
5
6

9 STEEL EDGING

3" = 1'-0" P-HYB-CAM-19

① 1/8" MIN. ROUTED EDGE GROUND SMOOTH
② 2" x 2" x .120" THICK STEEL STRAP EDGING -SEE STEEL PLAN FOR LOCATION
③ COPING ANCHOR, 3/8" X 4" MIN. NELSON STUD OR SIMILAR @ 18" O.C.
④ 1/8" TOOLED EDGE BOTH SIDES
⑤ TYPICAL STEEL REINFORCEMENT
⑥ SKATE ELEMENT

SEE STEEL PLAN FOR FABRICATION + FINISH NOTES


2
1
3
4
2"
4
2" CLR. MIN. TYP
2"
5
6
VARIES,SEE SECTIONS

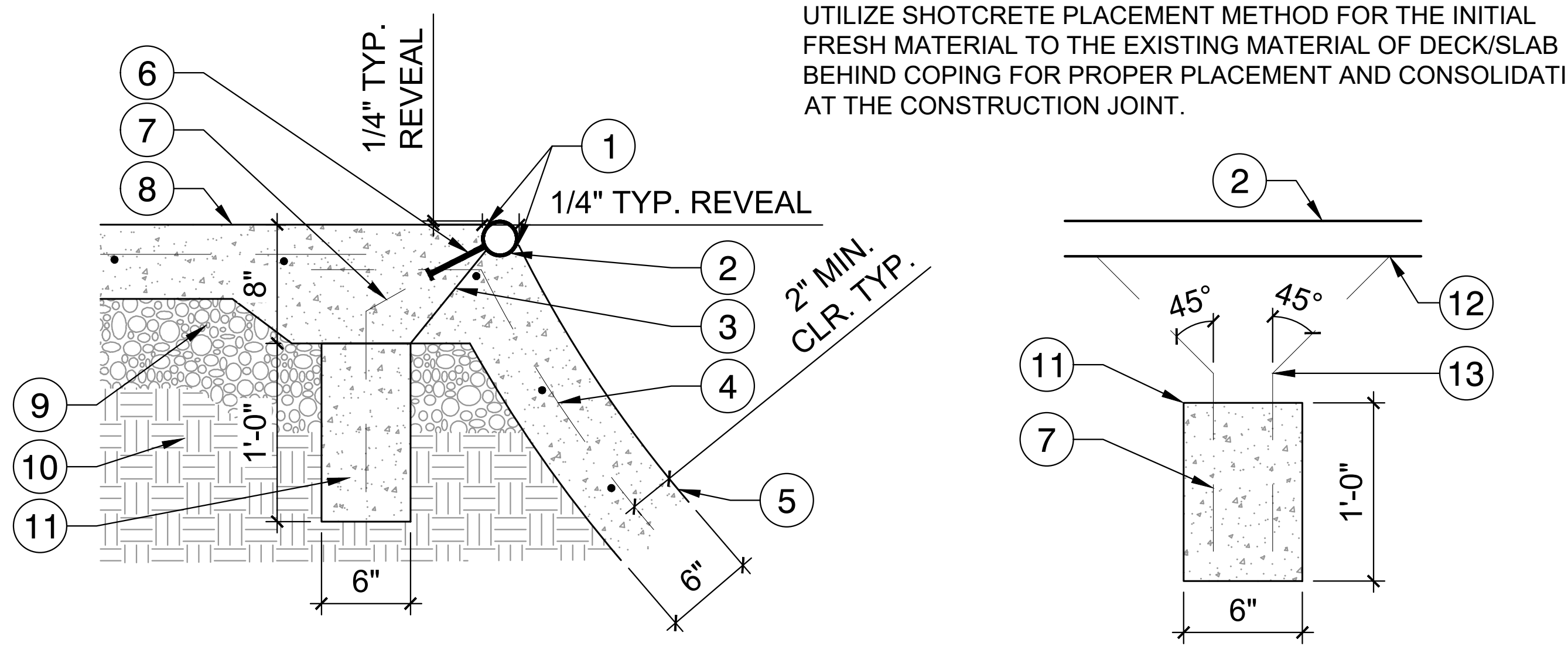
10 STEEL STRAP

3" = 1'-0" P-HYB-CAM-27

① 1/8" TOOLED EDGE BOTH SIDES OF COPING
② STEEL COPING - SEE STEEL PLAN FOR LOCATION
③ CONSTRUCTION JOINT HAND SHAPED PRIOR TO CONCRETE CURING
④ TYPICAL STEEL REINFORCEMENT
⑤ BOWL TRANSITION
⑥ COPING ANCHOR, 3/8" X 4" MIN. NELSON STUD OR SIMILAR@ 18" O.C.
⑦ (2) #3 REBAR TIES TO SUPPORT COPING PRIOR TO CONCRETE PLACEMENT
⑧ 4000 PSI CONCRETE FLATWORK #3 REBAR @ 16" O.C.
⑨ BASE COURSE
⑩ COMPACTED SUB-GRADE
⑪ CONCRETE CYLINDER FOOTING. 8' O.C. ALONG BACK OF COPING & WHERE NEEDED ALONG SMALLER RADII
⑫ SPOT WELD TO COPING
⑬ TURN REBAR OUT 45 DEG

SEE STEEL PLAN FOR FABRICATION + FINISH NOTES

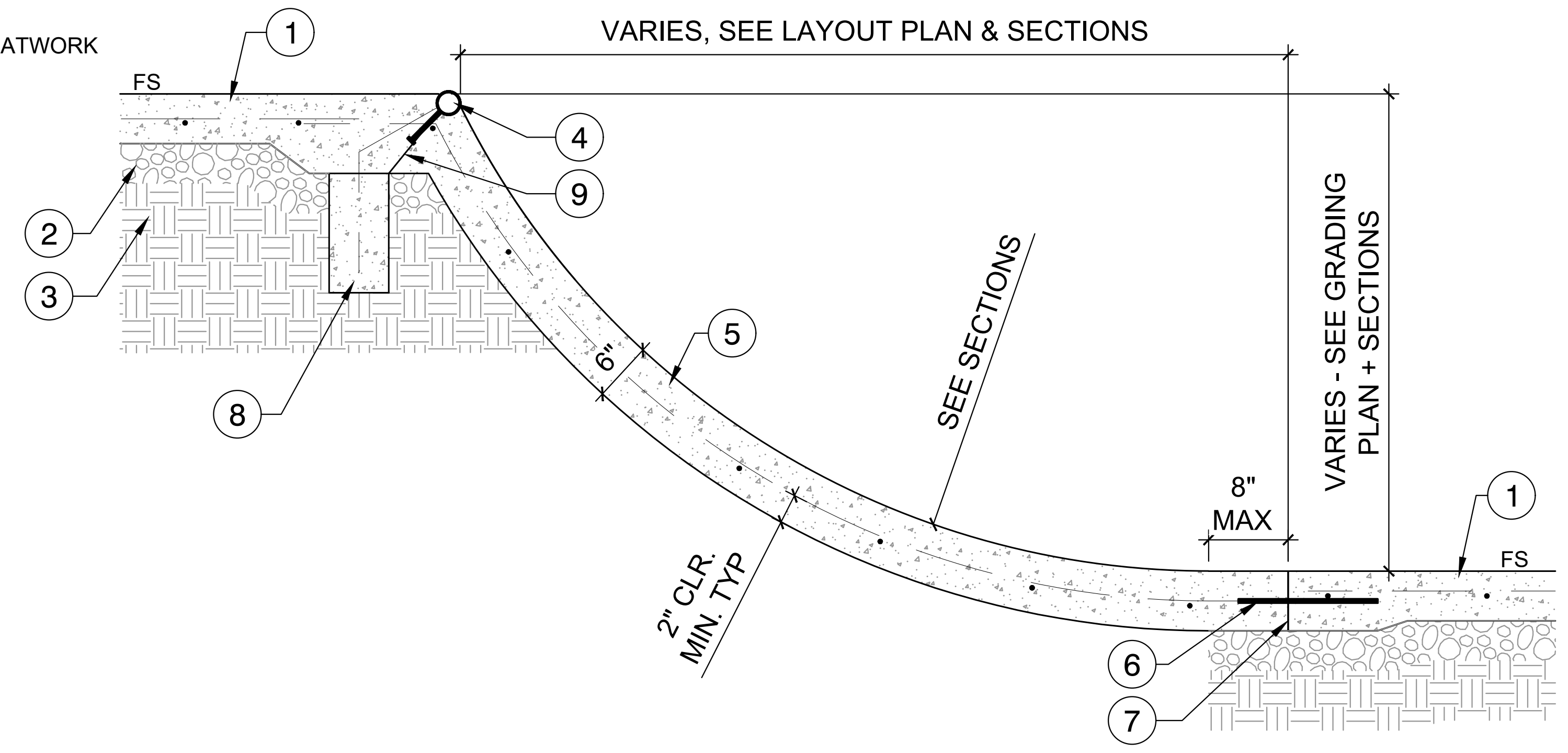
CONSTRUCTION NOTE: WHEN BUILDING SLAB/DECK BEHIND COPING CONSTRUCTION JOINT, FIRST SATURATE SURFACE DRY (SSD) PREVIOUSLY PLACED CONCRETE MATERIAL AND THEN UTILIZE SHOTCRETE PLACEMENT METHOD FOR THE INITIAL FRESH MATERIAL TO THE EXISTING MATERIAL OF DECK/SLAB BEHIND COPING FOR PROPER PLACEMENT AND CONSOLIDATION AT THE CONSTRUCTION JOINT.


6
7
8
1/4" TYP. REVEAL
1
1/4" TYP. REVEAL
2
3
4
2" MIN. CLR. TYP.
8"
1'-0"
9
10
11
6"
6"
5
2
45°
45°
12
13
11
7
1'-0"
6"

11 STEEL COPING

1" = 1'-0" P-HYB-CAM-21

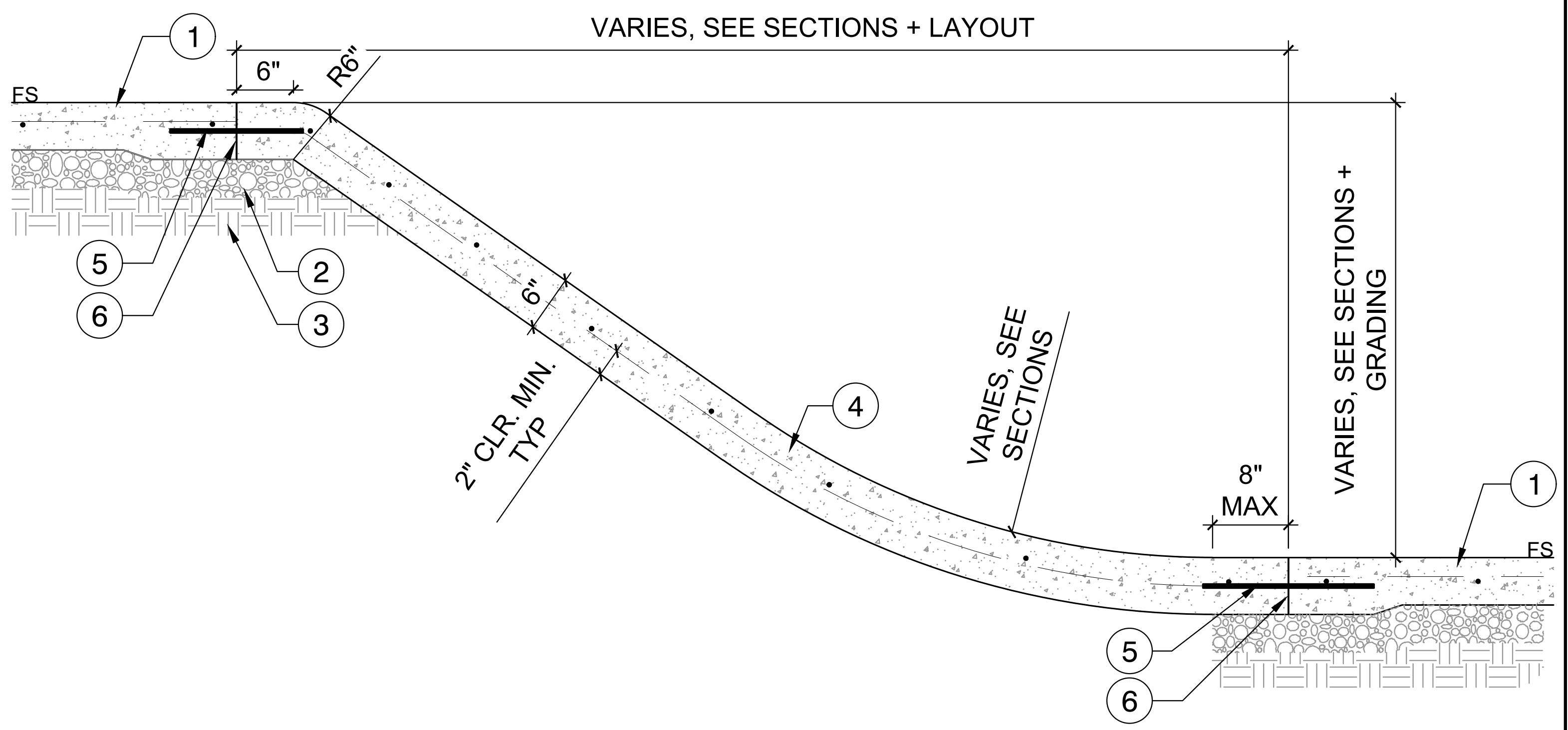
① 4000 PSI CONCRETE FLATWORK #3 REBAR @ 16" O.C.
② BASE COURSE
③ COMPACTED SUBGRADE
④ STEEL COPING
⑤ 4000 PSI SHOTCRETE WITH #3 REBAR @ 12" O.C. BW
⑥ SLIP DOWEL
⑦ COLD JOINT
⑧ CONCRETE CYLINDER FOOTING
⑨ CONSTRUCTION JOINT


FS
1
VARIES, SEE LAYOUT PLAN & SECTIONS
4
9
2
3
8
5
6"
SEE SECTIONS
VARIES - SEE GRADING PLAN + SECTIONS
2" CLR. MIN. TYP
8" MAX
1
FS
6
7

12 TYPICAL QUARTERPIPE

3/4" = 1'-0" P-HYB-CAM-08

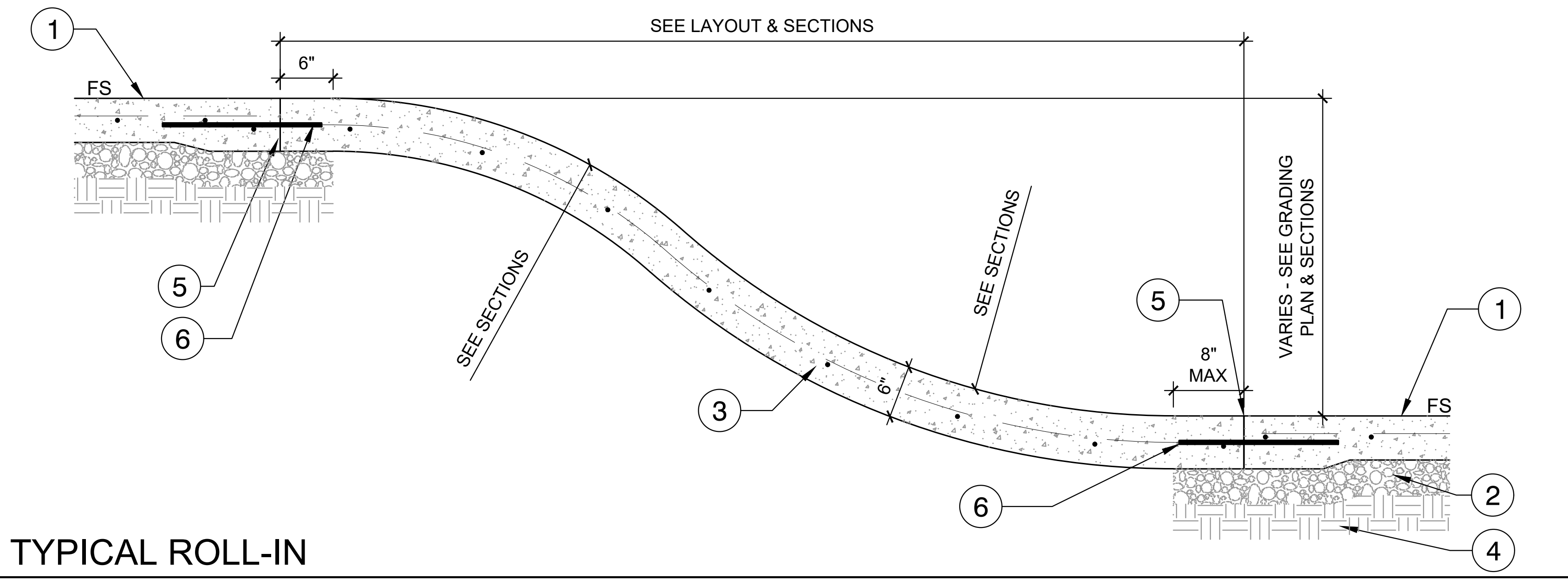
① 4000 PSI CONCRETE FLATWORK #3 REBAR @ 16" O.C.
② BASE COURSE
③ COMPACTED SUBGRADE
④ 4000 PSI SHOTCRETE WITH #3 REBAR @ 12" O.C. BW
⑤ SLIP DOWEL
⑥ COLD JOINT / KEY JOINT


1
VARIES, SEE SECTIONS + LAYOUT
6"
R6"
FS
5
6
2
3
6"
2" CLR. MIN. TYP
4
VARIES, SEE SECTIONS
VARIES, SEE SECTIONS + GRADING
8" MAX
1
FS
5
6

13 TYPICAL RADIUS WEDGE

3/4" = 1'-0" P-HYB-CAM-31

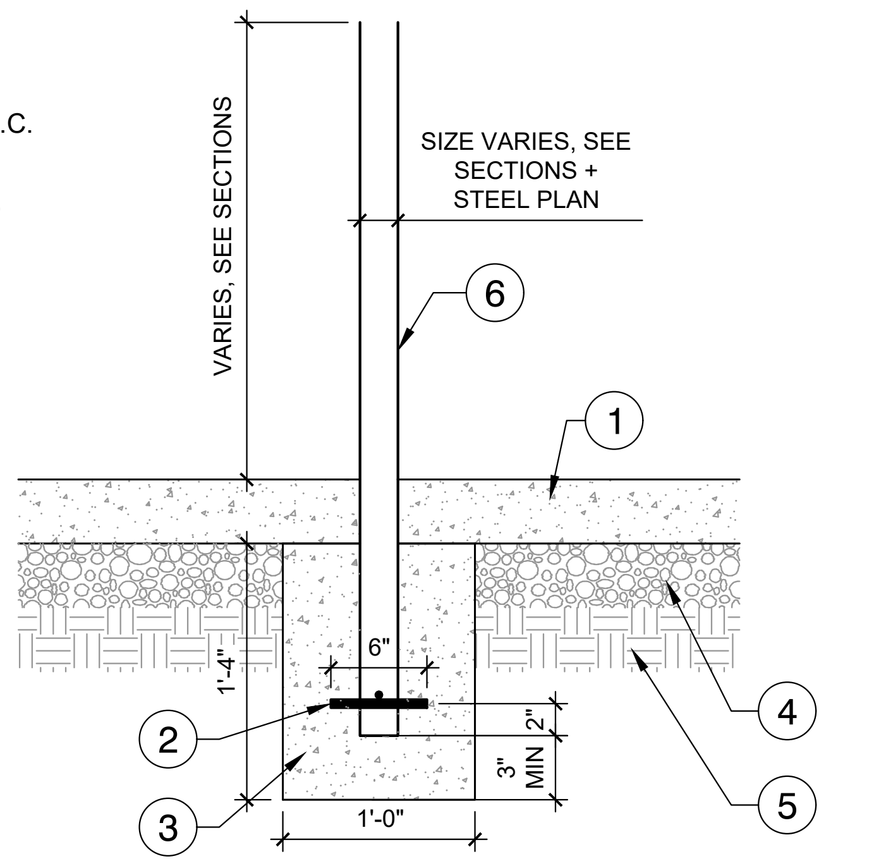
① 4000 PSI CONCRETE FLATWORK #3 REBAR @ 16" O.C.
② BASE COURSE
③ 4000 PSI SHOTCRETE WITH #3 REBAR @ 12" O.C. B.W.
④ COMPACTED SUB-GRADE
⑤ COLD JOINT / KEY JOINT
⑥ SLIP DOWEL


1
SEE LAYOUT & SECTIONS
6"
FS
5
6
SEE SECTIONS
SEE SECTIONS
3
6"
5
8" MAX
VARIES - SEE GRADING PLAN & SECTIONS
1
FS
2
6
4

14 TYPICAL ROLL-IN

3/4" = 1'-0" P-HYB-CAM-32

① 4000 PSI CONCRETE FLATWORK #3 REBAR @ 16" O.C.
② (2) #3 REBAR 6" LONG. DRILLED THROUGH + CROSSED ABOVE TO STABILIZE
③ CONCRETE FOOTING
④ BASE COURSE
⑤ COMPACTED SUBGRADE
⑥ GRIND RAIL


VARIES, SEE SECTIONS
SIZE VARIES, SEE SECTIONS + STEEL PLAN
6
1
1'-4"
6"
2
3
1'-0"
3" MIN
2"
4
5

15 TYPICAL GRIND RAIL FOOTING

1" = 1'-0" P-HYB-CAM-15

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SKATEPARKS
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OFFICE (626) 330-5803 ~ FAX (626) 330-5503

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NO	DATE	DESCRIPTION	BY
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△	-	-	-
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△	-	-	-

SKATE PARK DESIGNED BY
CW
DOCUMENTS BY
AL, CR
PLAN CHECKED BY
DH, MB
DATE
3/3/2026

STAMP:
KEVIN S. BOEHRINGER
C 67904
CIVIL
3/3/26

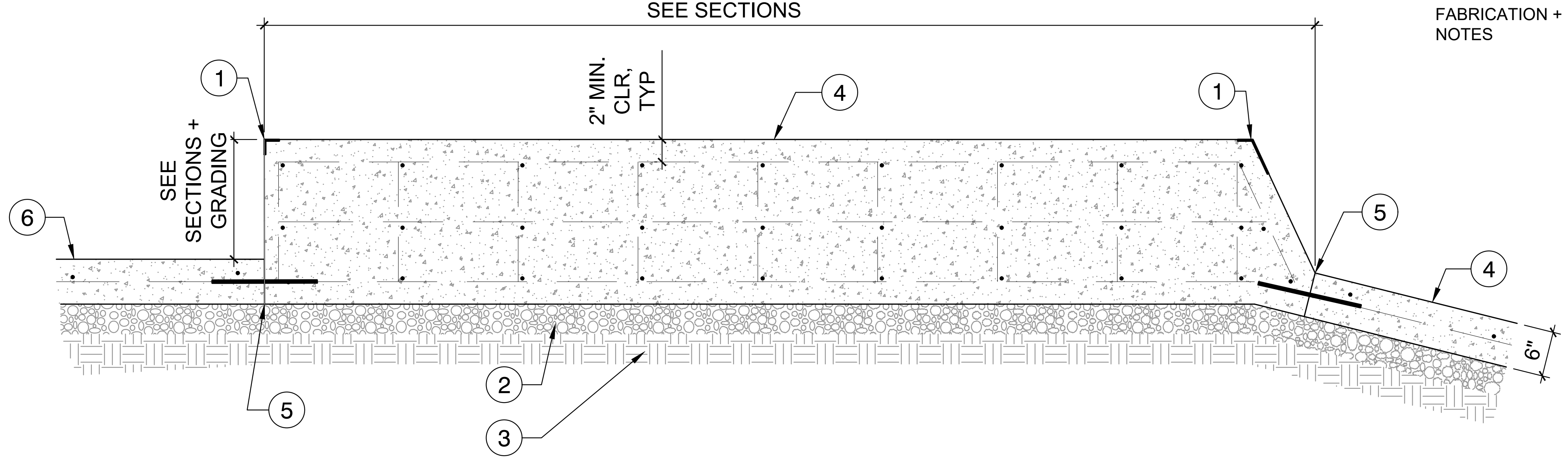
PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
CONSTRUCTION DETAILS

SHEET
SK11.0

1. STEEL EDGING
2. BASE COURSE
3. COMPACTED SUBGRADE
4. 4000 PSI SHOTCRETE WITH #3 REBAR @ 12" O.C. BW
5. COLD JOINT
6. 4000 PSI CONCRETE FLATWORK WITH #3 REBAR @ 16" O.C. BW

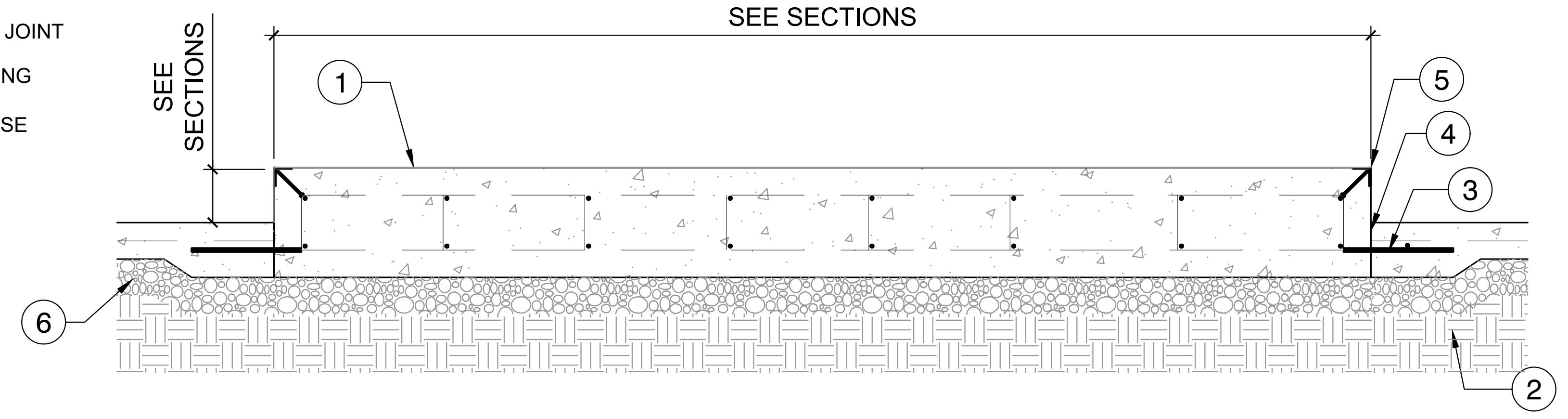
SEE STEEL PLAN FOR FABRICATION + FINISH NOTES


SEE SECTIONS
2" MIN. CLR. TYP
SEE SECTIONS + GRADING
6"
1
4
1
5
6
4
2
5
3

SLAPPY GRIND LEDGE

1 — 3/4" = 1'-0" — P-HYB-CAM-24

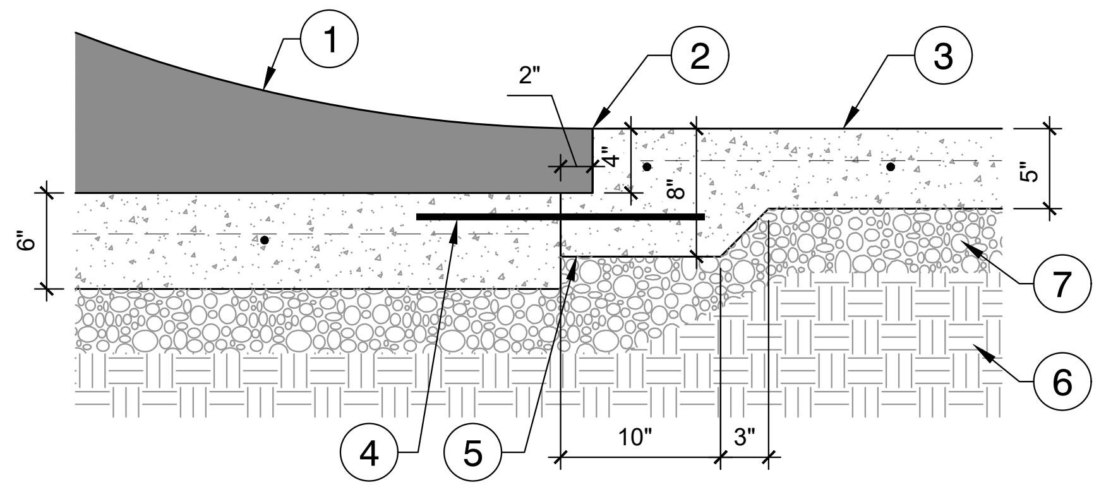
1. 4000 PSI CONCRETE WITH #3 REBAR @ 12" O.C. B.W.
2. COMPACTED SUBGRADE
3. SLIP DOWEL
4. EXPANSION JOINT
5. STEEL EDGING
6. BASE COURSE


SEE SECTIONS
SEE SECTIONS
1
5
4
3
6
2

GRIND LEDGE

2 — 3/4" = 1'-0" — P-HYB-CAM-47

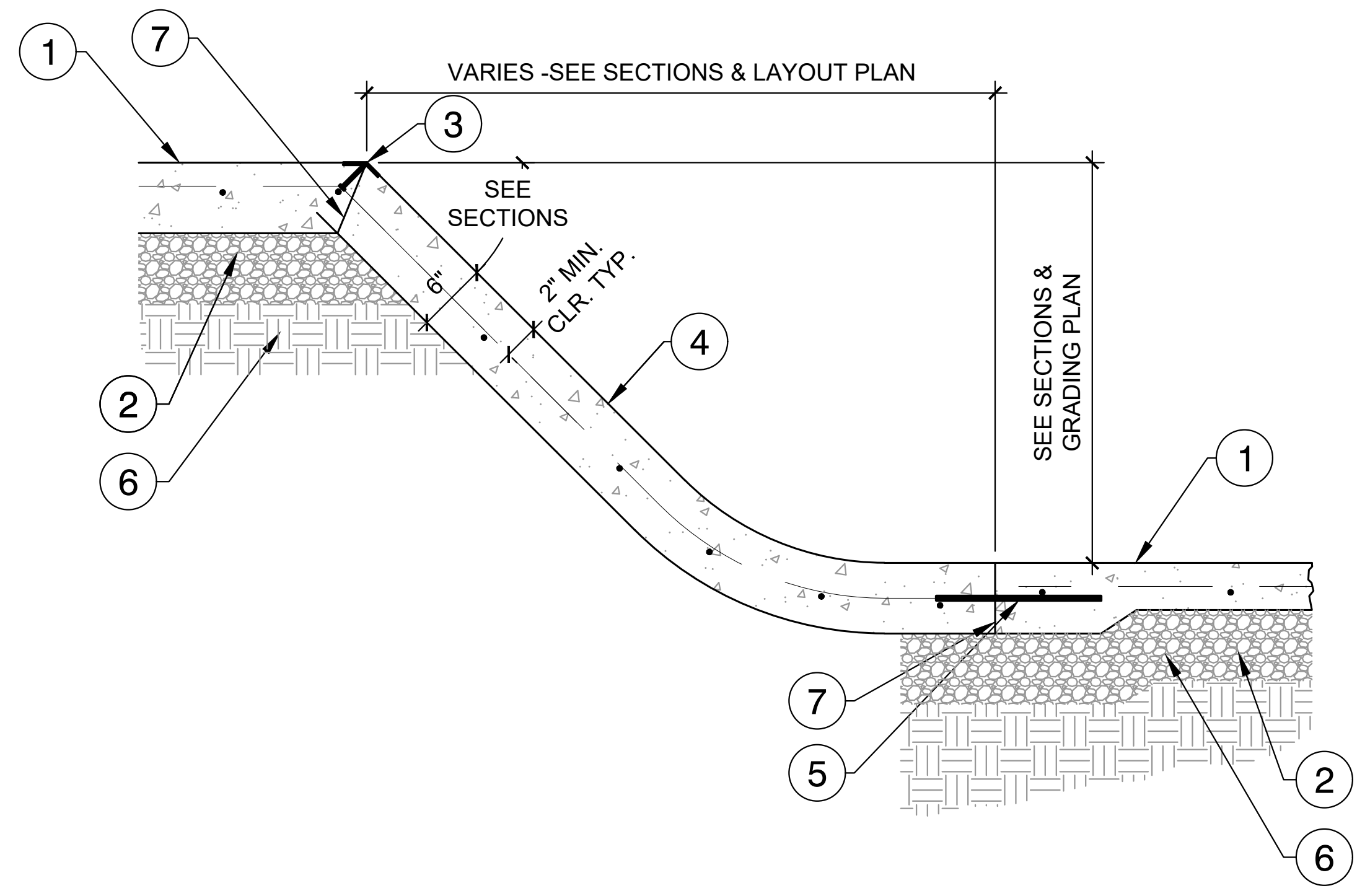
1. PRECAST SKATE ELEMENT
2. COLD JOINT
3. 4000 PSI CONCRETE FLATWORK WITH #3 REBAR @ 16" O.C. BW
4. SLIP DOWEL
5. VIBRATE CONCRETE TO PRODUCE EFFECTIVE CONSOLIDATION UNDER PRECAST SKATE ELEMENT ADJACENT TO FOOTING
6. COMPACTED SUB-GRADE
7. BASE COURSE


1
2
3
2"
4"
8"
5"
6"
7
6
4
5
10"
3"

PRECAST TOE CONNECTION W/ FOOTER

3 — 1" = 1'-0" — P-HYB-CAM-09

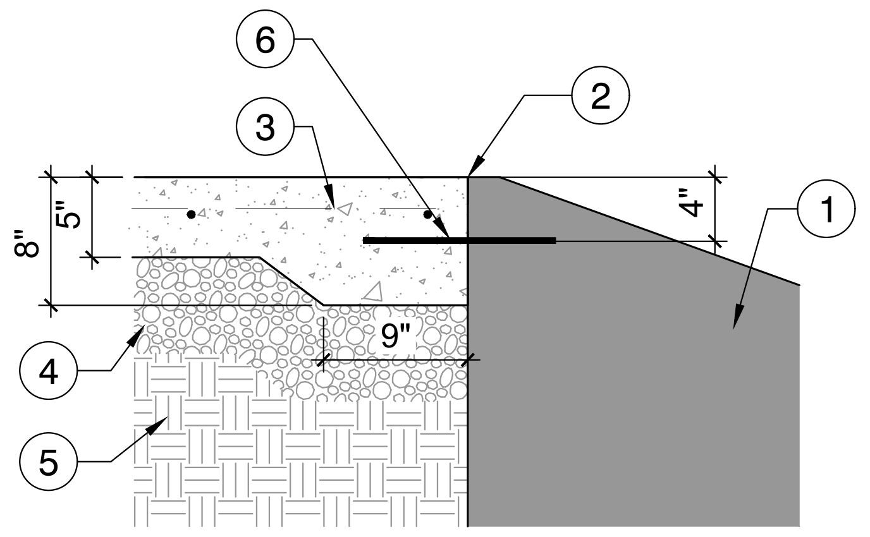
1. 4000 PSI CONCRETE FLATWORK WITH #3 REBAR @ 16" O.C. BW
2. BASE COURSE
3. STEEL STRAP
4. 4000 PSI SHOTCRETE WITH #3 REBAR @ 12" O.C. BW
5. SLIP DOWEL
6. COMPACTED SUB-GRADE
7. COLD JOINT


1
7
VARIES -SEE SECTIONS & LAYOUT PLAN
3
SEE SECTIONS
6"
2" MIN. CLR. TYP.
4
SEE SECTIONS & GRADING PLAN
2
6
1
7
5
2
6

LA HIGH WALL

4 — 3/4" = 1'-0" — P-HYB-CAM-52

1. PRECAST SKATE ELEMENT
2. COLD JOINT
3. 4000 PSI CONCRETE FLATWORK WITH #3 REBAR @ 16" O.C. BW
4. BASE COURSE
5. COMPACTED SUBGRADE
6. #3 SMOOTH SLIP DOWEL 12" LONG @ 24" O.C.


6
3
2
1
8"
5"
4"
9"
4
5

PRECAST TOP CONNECTION

5 — 1" = 1'-0" — P-HYB-CAM-11

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△	-	-	-
△	-	-	-
△	-	-	-

STAMP:

KEVIN S. BOEHRINGER
C 67904
3/3/26
CIVIL

SKATE PARK DESIGNED BY
CW

DOCUMENTS BY
AL, CR

PLAN CHECKED BY
DH, MB

DATE 3/3/2026

PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
CONSTRUCTION DETAILS

SHEET
SK11.1

17 OF 17

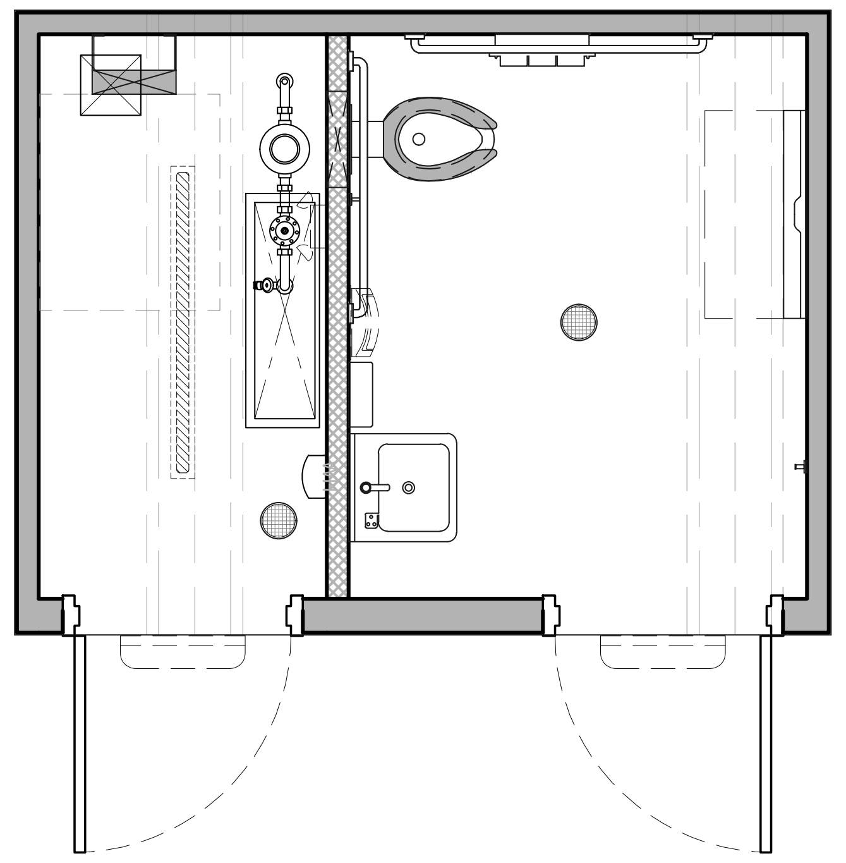
Restroom Building

CAMBRIA SKATE PARK

Cambria, CA

CODE COMPLIANCE

APPLICABLE CODES:	2025 CALIFORNIA BUILDING CODE 2025 CALIFORNIA PLUMBING CODE 2025 CALIFORNIA ELECTRICAL CODE 2025 CALIFORNIA GREEN CODE 2025 CALIFORNIA ENERGY CODE ADA TITLE II (28 CFR PART 35) & 2010 ADAS APPLICABLE TO STATE & LOCAL GOVERNMENT SERVICES, PROGRAMS & ACTIVITIES
OCCUPANCY & USE:	U (WITH ACCESSIBILITY PROVISIONS FOR RESTROOMS) / NON ACCESSIBLE MECHANICAL ROOM
TYPE OF CONSTRUCTION:	V-B
FIRE SPRINKLERS:	NO
HEIGHT & STORIES:	
BUILDING HEIGHT	12'-1"
NUMBER OF STORIES	1 STORY (1 STORY ALLOWED)
BUILDING AREA:	
RESTROOM & MECHANICAL ROOM	97 s.f.
CLIMATE ZONE:	5
PRC JOB NUMBER:	13119
PRC MODEL NUMBER:	PS-011
NUMBER OF BUILDING MODS:	1



GENERAL NOTES

- THE STRUCTURAL DESIGN DETAILS HEREIN ARE SPECIFIC TO THE BUILDING SIZE AND MODULE CONFIGURATION SHOWN ON THE FLOOR PLAN OF THESE DRAWINGS.
- LOCATION OF THIS BUILDING SHALL MEET REQUIRED PROPERTY CODE SETBACKS PER LOCAL JURISDICTION.
- ACCESSIBILITY TO THIS STRUCTURE SHALL BE IN CONFORMANCE WITH LOCAL CODE INCLUDING ALL PATHWAYS, RAMPS AND PATHS OF TRAVEL FOR PARKING TO THE BUILDING.
- SOIL BEARING REQUIREMENT IS 1500 PSF, SUB GRADE COMPACTION AT 90%.
- BUILDING PLUMBING SYSTEM IS BASED UPON FULL FLOW EXISTING WATER SERVICE. LOSS OF REQUIRED FLOW RATE OF 10 GPM OR PRESSURE BELOW 35 PSI MAY NECESSITATE AN INTERMEDIATE WELL TANK AND CHECK VALVE IN LINE.
- ALL DIMENSIONS HEREIN ARE NOMINAL AND SUBJECT TO CHANGE AS LONG AS THEY DO NOT VIOLATE CODE.
- THIS BUILDING IS DESIGNATED AS A NON-HABITABLE SPACE AND IS NOT DESIGNED TO BE HEATED OR COOLED.
- THIS BUILDING DOES NOT CONFORM WITH TITLE 24 MINIMUM INSULATION REQUIREMENTS AS THIS IS A NON-HABITABLE STRUCTURE.
- THIS BUILDING IS LOCATED IN A WUI (WILDLAND URBAN INTERFACE) FIRE AREA AS DEFINED BY ORANGE COUNTY FIRE AUTHORITY AND CONFORMS WITH REQUIREMENTS FOR ROOFING AND EXTERIOR COVERINGS.
- ALL WORK REQUIRED TO BE COMPLETED ON SITE SUBJECT TO LOCAL REVIEW, APPROVAL AND INSPECTION BY LOCAL AHJ INCLUDING ANY & ALL SPECIAL INSPECTIONS AS APPLICABLE:
  - a. SITE CONCRETE FOUNDATION (IF APPLICABLE)
  - b. COMPACTED BUILDING PAD ENGINEERED
  - c. UNDER SLAB UTILITY PIPING (SEE NOTE)
  - d. ELECTRICAL SERVICE AS REQUIRED
  - e. WATER SERVICE AS REQUIRED
  - f. SEWER (DWV) SERVICE AS REQUIRED
  - g. CONCRETE WALKWAY COMPLIANT WITH PATH OF TRAVEL FROM ACCESSIBLE PARKING

  NOTE: PUBLIC RESTROOM COMPANY WILL ONLY FURNISH AND INSTALL UNDERGROUND UTILITIES (UNDER SLAB) EXTENDING 6 FEET (MAX.) BEYOND THE BUILDING LINE. MIN. OF 24" - MAX. OF 36" BELOW GRADE - U.N.O. ALL UTILITY BOXES TO BE PROVIDED BY OTHERS.
- SITE INSTALLATION DETAILS ARE NOTED ON SHEETS S-1 FOR STRUCTURAL CONNECTIONS, A-2 FOR WEATHERIZATION FINISH, P-1 FOR PLUMBING CONNECTIONS & E-1 FOR ELECTRICAL CONNECTIONS IN ACCORDANCE w/ SECTION 4368.
  - a. SERVICE HOOKUPS (PLUMBING AND ELECTRICAL CONNECTIONS).
  - b. PATCH AND FINISH AT CRANE PICK LOCATIONS AS NEEDED.
  - c. INSTALL AND CONNECT PLUMBING DRAIN TRAPS ASSEMBLIES PER P-1 HEREIN.

Utility Location

NOTE: FINAL LOCATIONS OF P.O.C. TO BE COORDINATED WITH P.R.C. AND TO BE CONFIRMED ON SITE . UTILITY BOXES TO BE PROVIDE BY OTHERS.

PROJECT INFORMATION

SITE ADDRESS: **CAMBRIA SKATE PARK -** 975 Main Street, Cambria, CA 93428

PROJECT OWNER:
CAMBRIA COMMUNITY SERVICES DISTRICT
C1316 Tamsea Street, Suite 201
Cambria, CA 93428
CONTACT: Mathew McElhenie
PHONE: (805) 927-6230

STRUCTURAL ENGINEER:
ICC NTA, LLC
305 N. Oakland Ave
Nappanee, IN 46550
CONTACT: Brian K. Willis, P.E.
POSITION: Engineering Manager
PHONE: (574) 773-7975 x6534
E-MAIL: bwillis@icc-nta.org

DESIGNER / CERTIFIED MANUFACTURER:
PUBLIC RESTROOM COMPANY
2587 Business Parkway
Minden, NV 89423
CONTACT: Chad Kaufman
PHONE: (888) 888-2060
FAX: (888) 888-1448
E-MAIL: chad@publicrestroomcompany.com

DRAWING INDEX

SHEETS		PM PLAN REVIEW - 11/12/2025	DESIGN SUBMITTAL - 02/03/2026	PRC PLAN REVIEW - 02/12/2026	STRUCTURAL REVIEW - 02/13/2026	CONSTRUCTION DOCUMENTS - 03/10/2026		
T-1	TITLE SHEET	●	●	●	●	●		
AC	ACCESSIBILITY COMPLIANCE	●	●	●		●		
A-1	FLOOR PLAN, STRUCTURAL DESIGN & DOOR SCHEDULES	●	●	●	●	●		
A-1.1	BUILDING SECTIONS & ROOF FRAMING PLAN	●	●	●	●	●		
A-2	EXTERIOR ELEVATIONS & SCHEDULE	●	●	●	●	●		
A-3	INTERIOR ELEVATIONS & SCHEDULES	●	●	●		●		
P-1	PLUMBING PLAN & SCHEDULES	●	●	●		●		
E-1	ELECTRICAL PLAN & SCHEDULES	●	●	●		●		
S-1	CONCRETE SLAB & STEEL PERIMETER PLAN & DETAILS	●	●	●	●	●		

DESIGN LOADS

STRUCTURAL DESIGN CRITERIA

GRAVITY LOADS	
FLOOR LIVE	125 psf
FLOOR DEAD	80 psf
MINIMUM DESIGN LOAD, Lr	18 psf
ROOF DEAD	10 psf
EXTERIOR WALL DEAD	50 psf
SNOW	
GROUND SNOW, P_g	3 psf
FLAT-ROOF SNOW, P_f	2.52 psf
EXPOSURE FACTOR, C_e	1
THERMAL FACTOR, C_t	1.20
WIND	
ULTIMATE WIND SPEED, Vult	115 mph
WIND SPEED, Vasd	90 mph
EXPOSURE CATEGORY	C
INTERNAL PRESSURE, Gcpi	+/- 0.18
MEAN ROOF HEIGHT	15 ft

BUILDING SHALL NOT BE PLACED ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT

SEISMIC	
SEISMIC DESIGN CATEGORY	D
SITE CLASS	D
IMPORTANCE FACTOR	1.00
RISK CATEGORY	II
MAPPED ACCELERATIONS	
S_S	1.380 g
S_1	0.440 g
S_{MS}	1.520 g
S_{M1}	1.070 g
S_{DS}	1.013 g
S_{D1}	0.713 g
LONG-PERIOD TRANSITION PERIOD, T_L	8.0 sec
BASIC SEISMIC-FORCE-RESISTING SYSTEM	A8
RESPONSE MODIFICATION FACTOR, R	5

1

FLOOD

BUILDING **IS LOCATED** IN A FLOOD HAZARD AREA AS ESTABLISHED BY THE AUTHORITY HAVING JURISDICTION UNLESS SET ON A FOUNDATION DESIGNED IN ACCORDANCE WITH ASCE/SEI 25. THE FLOOD RESISTANT FOUNDATION SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL AND CONSTRUCTED TO RESIST ALL FLOOD LOADS WITHOUT TRANSFERRING LOADS TO THE MODULAR STRUCTURE.

COMPONENTS & CLADDING WIND LOADS (ASD)

COMPONENT	END ZONE (psf)	INTERIOR ZONE (psf)
WINDOWS & SIDING	+17.3 / -23.2	+17.3 / -18.8
DOORS	+16 / -20.5	+16 / -17.4
ROOF CLADDING	+11.4 / -46.7	+11.4 / -24.7
ROOF OVERHANGS	-49.6	-36.4

1

COUNTY OF SAN LUIS OBISPO PUBLIC WORKS REVIEW / APPROVAL FOR ELEVATION OF ELECTRICAL COMPONENTS; DRY FLOOD PROOFING COMPONENTS AND MATERIALS; AND FLOOD RESISTANT STRUCTURAL DESIGN ONLY.

STRUCTURAL ONLY

This certification is for structural design only. All other matters of code compliance including but not limited to allowable area, fire resistance, and egress are the responsibility of others.

ERIC J. TOMPOS
No. C70218
Exp. 09-30-2026
CIVIL

03/11/2026

ICC NTA, LLC, 305 N. Oakland Ave
Nappanee, IN 46550
COA: 33677

These documents are applicable only to the elements and loading criteria specifically provided herein. These documents shall not be construed in any way to specify, certify or design any aspects of the building not contained herein. Specified design criteria are based solely on information provided by the client and must be verified and approved by the local authority having jurisdiction. ICC NTA, LLC is not responsible for fabrication or erection. If it is suspected that these documents have been modified, substituted or altered in any way, contact ICC NTA, LLC at (574) 773-7975 to obtain a file copy.

No.	Description	Date
1	County of San Luis Obispo Public Works Comments	03/05/2026
2	Front wall changed to 6" masonry	03/09/2026

10-Mar-26 9:28 AM

CONSTRUCTION DOCUMENTS
03/10/2026

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PUBLIC RESTROOM COMPANY
Building Better Places To Go.
2587 Business Pkwy, Minden, NV 89423
Ph: 888-888-2060 | Fax: 888-888-1448

PROJECT OWNER:
CAMBRIA COMMUNITY SERVICES DISTRICT
Cambria, CA

PROJECT NAME AND LOCATION:
CAMBRIA SKATE PARK
Cambria, CA 93428

SHEET TITLE:
TITLE SHEET

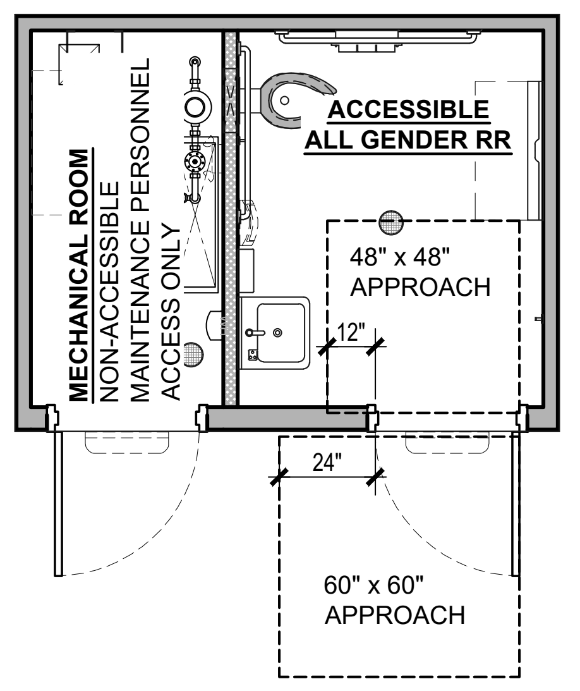
Drawn by:	**DF**	Job No.	**13119**
Checked by:	**MM**	T-1	
Current Date:	**03/10/2026**		
Start Date:	**11/10/2025**		

DO NOT SCALE - DIMENSIONS PRESIDE

CONSTRUCTION DOCUMENTS - 03/10/2026

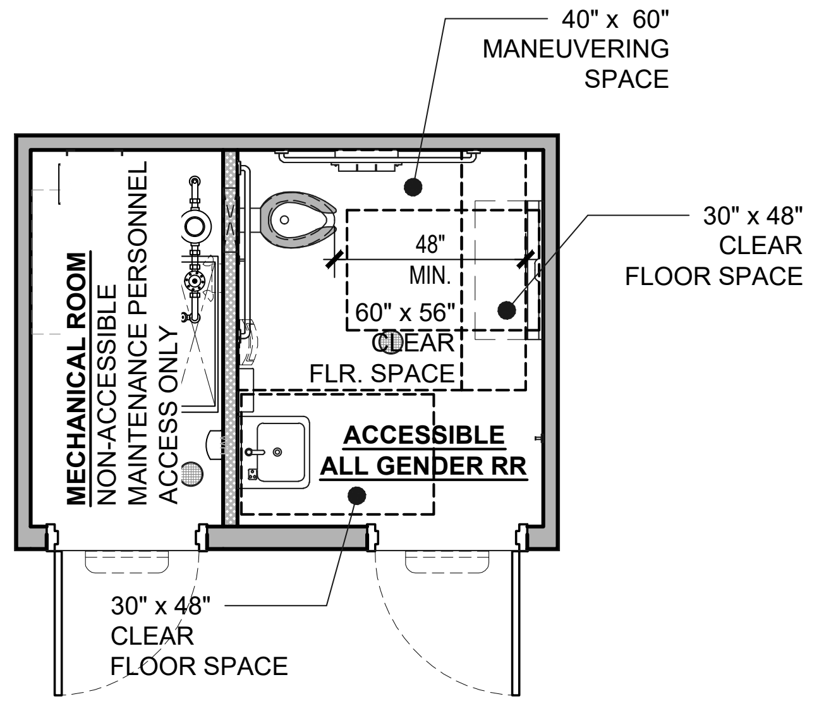
CAMBRIA SKATE PARK - Cambria, CA 93428

PUBLIC RESTROOM COMPANY
Building Better Places To Go.


MECHANICAL ROOM
NON-ACCESSIBLE
MAINTENANCE PERSONNEL
ACCESS ONLY
ACCESSIBLE
ALL GENDER RR
48" x 48"
APPROACH
12"
24"
60" x 60"
APPROACH

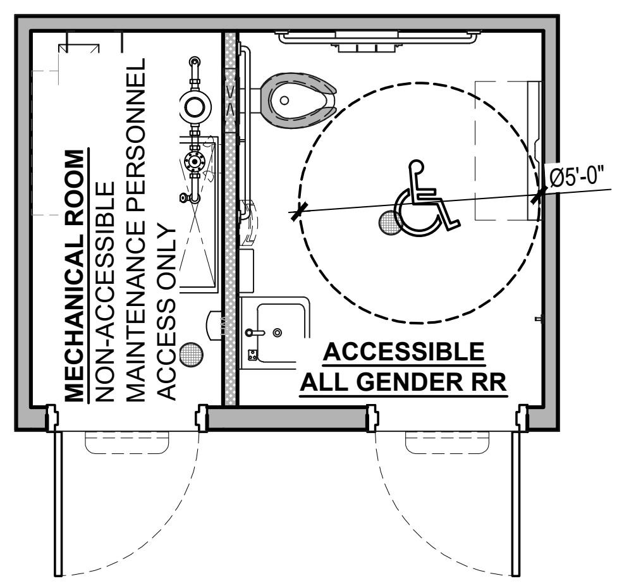
DOOR APPROACH

SCALE: N.T.S.


40" x 60"
MANEUVERING
SPACE
30" x 48"
CLEAR
FLOOR SPACE
48"
MIN.
60" x 56"
CLEAR
FLR. SPACE
MECHANICAL ROOM
NON-ACCESSIBLE
MAINTENANCE PERSONNEL
ACCESS ONLY
ACCESSIBLE
ALL GENDER RR
30" x 48"
CLEAR
FLOOR SPACE

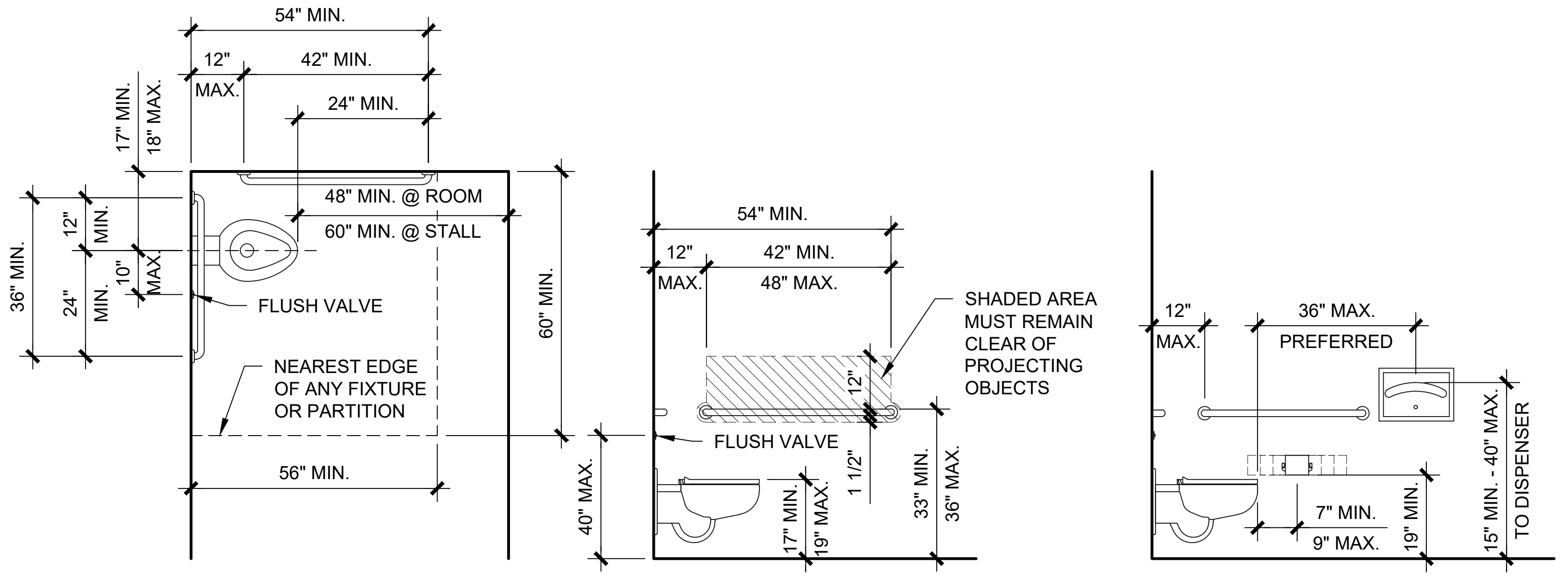
FIXTURE APPROACH

SCALE: N.T.S.


MECHANICAL ROOM
NON-ACCESSIBLE
MAINTENANCE PERSONNEL
ACCESS ONLY
Ø5'-0"
ACCESSIBLE
ALL GENDER RR

TURNING RADIUS

SCALE: N.T.S.


54" MIN.
12" MAX.
42" MIN.
24" MIN.
17" MIN.
18" MAX.
48" MIN. @ ROOM
60" MIN. @ STALL
36" MIN.
12"
MIN.
24"
10" MIN.
MAX.
FLUSH VALVE
NEAREST EDGE
OF ANY FIXTURE
OR PARTITION
60" MIN.
56" MIN.
54" MIN.
12" MAX.
42" MIN.
48" MAX.
SHADED AREA
MUST REMAIN
CLEAR OF
PROJECTING
OBJECTS
12"
1 1/2"
FLUSH VALVE
40" MAX.
17" MIN.
19" MAX.
33" MIN.
36" MAX.
12" MAX.
36" MAX.
PREFERRED
7" MIN.
9" MAX.
19" MIN.
15" MIN. - 40" MAX.
TO DISPENSER

HC TOILET/GRAB BAR ELEVATION

ACCESSORIES ELEVATION

NOTE:
- SPACE BETWEEN GRAB BAR AND WALL TO BE 1 1/2" CLEAR
- GRAB BAR DIAMETER TO BE 1 1/4" to 1 1/2"
- GRAB BAR MUST BE ABLE TO SUPPORT 250lb POINT LOAD AND NOT ROTATE WITHIN THE FITTINGS

NOTE: NOT ALL ACCESSORIES MAY PERTAIN TO THIS PROJECT. ITEMS SHOWN ARE FOR REFERENCE ONLY.

	CODE SUMMARY HEIGHT A.F.F. / LOC	PUBLIC RESTROOM COMPANY STANDARDS*
GRAB BARS	33" MIN. / 36" MAX. TO TOP	34" TO TOP
TOILET LOCATION	17" MIN. / 18" MAX. TO CENTERLINE	17 1/2" TO CENTERLINE
TOILET/SEAT HEIGHT	17" MIN. / 19" MAX.	18" TO TOP OF SEATING SURFACE
TOILET FLUSH VALVE	40" MAX., 10" TO WIDE SIDE	CENTERLINES TO BE 28" AFF AND 10" FROM CENTER OF WC
TP DISPENSER	DISPENSER OUTLET TO BE 19" MIN. AFF & CENTER LINE OF FIXTURE TO BE 7"-9" FROM FACE OF WATER CLOSET	8" FROM FRONT OF WATER CLOSET TO CENTER OF DISPENSER & 30" TO TOP OF FIXTURE

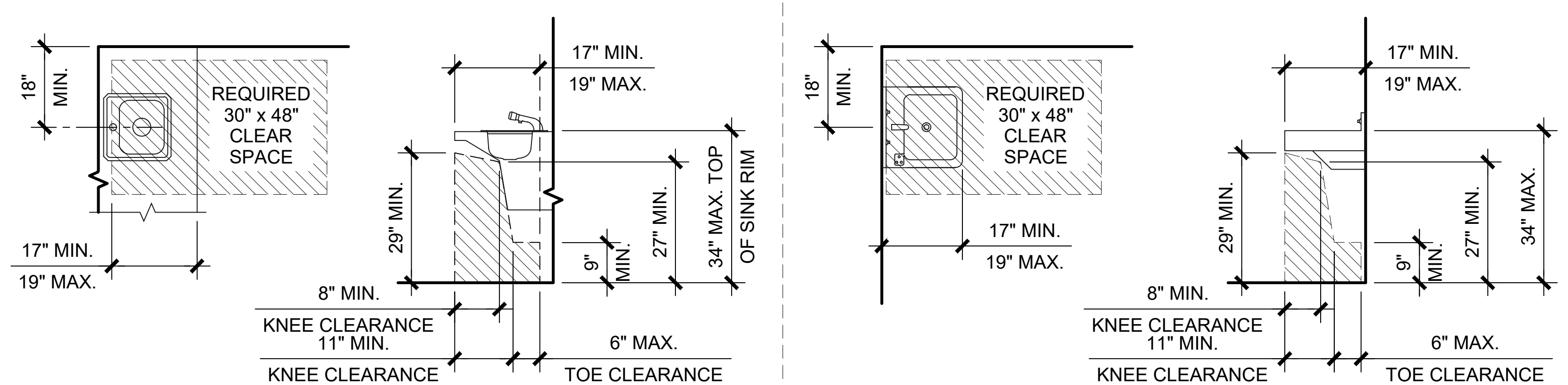
1 - TOILET DESIGN CRITERIA

2025 CBC ACCESSIBILITY STANDARDS

(SHOWING MINIMUMS AND MAXIMUMS)

* PUBLIC RESTROOM COMPANY STANDARDS ARE FOR PRODUCTION PERSONNEL TO BE USED AS A GUIDELINE TO ENSURE FIXTURES ARE INSTALLED WITHIN THE REQUIRED RANGES PER CODE, AND MAY NOT BE EXACT ONCE INSTALLED DUE TO FLOOR SLOPES, TOLERANCES, ETC.

**NOTE:
NOT ALL ACCESSORIES PERTAIN TO THIS PROJECT. ITEMS SHOWN ARE FOR REPRESENTATION ONLY**


18" MIN.
REQUIRED
30" x 48"
CLEAR
SPACE
17" MIN.
19" MAX.
17" MIN.
19" MAX.
29" MIN.
9" MIN.
27" MIN.
34" MAX. TOP
OF SINK RIM
8" MIN.
KNEE CLEARANCE
11" MIN.
KNEE CLEARANCE
6" MAX.
TOE CLEARANCE
18" MIN.
REQUIRED
30" x 48"
CLEAR
SPACE
17" MIN.
19" MAX.
17" MIN.
19" MAX.
29" MIN.
9" MIN.
27" MIN.
34" MAX.
8" MIN.
KNEE CLEARANCE
11" MIN.
KNEE CLEARANCE
6" MAX.
TOE CLEARANCE

COUNTER LAVATORY CLEAR ACCESS

COUNTER LAVATORY ELEVATION

WALL HUNG LAVATORY CLEAR ACCESS

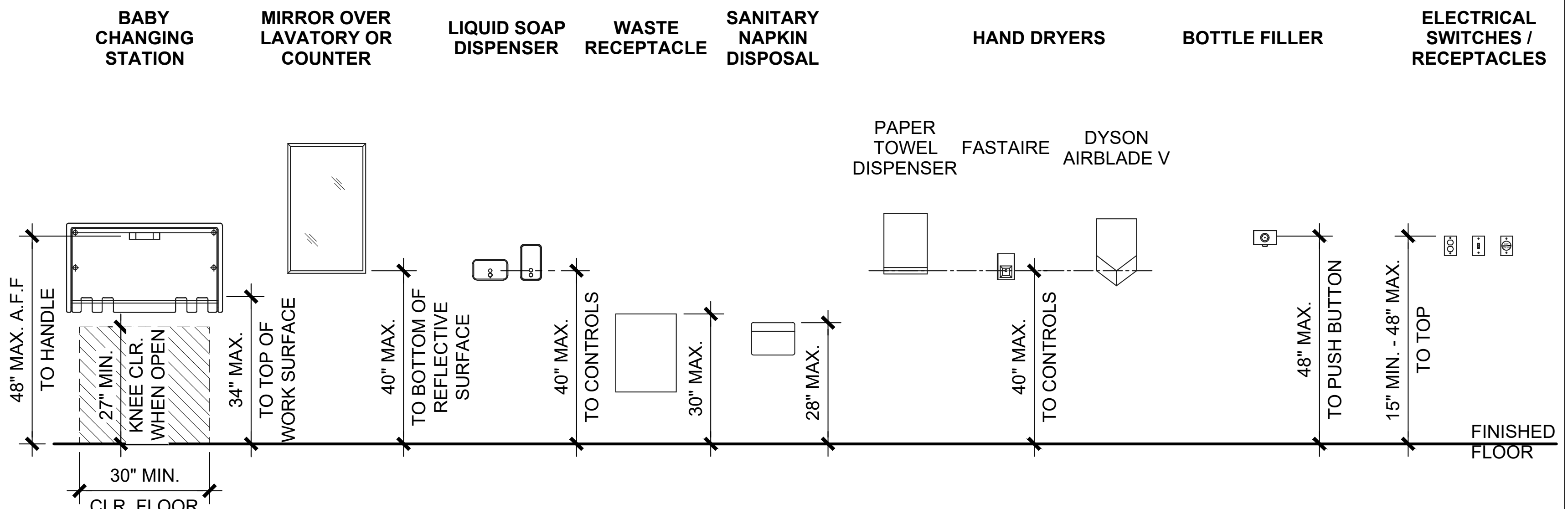
WALL HUNG LAVATORY ELEVATION

NOTE:
WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES ARE TO BE COVERED TO PROTECT AGAINST CONTACT

	CODE SUMMARY HEIGHT A.F.F. / LOC	PUBLIC RESTROOM COMPANY STANDARDS*
RIM HEIGHT (TOP OF LAV.)	34" MAX.	33" PREFERRED BUT MUST HAVE 29" KNEE SPACE MIN.
HEIGHT OF KNEE SPACE	29" MIN. AT FRONT APRON 27" MIN. AT 8" IN FROM FRONT	PER CODE
FRONT LAV TO TRAP	8" MIN.	PER CODE
TOE SPACE UNDER TRAP	9" MIN.	PER CODE
CONTROLS	DECK MOUNT AT 34" MAX.	33" PREFERRED
CLEAR SPACE	30" x 48"	PER CODE

2 - LAVATORY DESIGN CRITERIA

3 - NOT USED


BABY
CHANGING
STATION
MIRROR OVER
LAVATORY OR
COUNTER
LIQUID SOAP
DISPENSER
WASTE
RECEPTACLE
SANITARY
NAPKIN
DISPOSAL
HAND DRYERS
BOTTLE FILLER
ELECTRICAL
SWITCHES /
RECEPTACLES
PAPER
TOWEL
DISPENSER
FASTAIRE
DYSON
AIRBLADE V
48" MAX. A.F.F
TO HANDLE
27" MIN.
KNEE CLR.
WHEN OPEN
34" MAX.
TO TOP OF
WORK SURFACE
40" MAX.
TO BOTTOM OF
REFLECTIVE
SURFACE
40" MAX.
TO CONTROLS
30" MAX.
28" MAX.
40" MAX.
TO CONTROLS
48" MAX.
TO PUSH BUTTON
15" MIN. - 48" MAX.
TO TOP
FINISHED
FLOOR
30" MIN.
CLR. FLOOR
SPACE

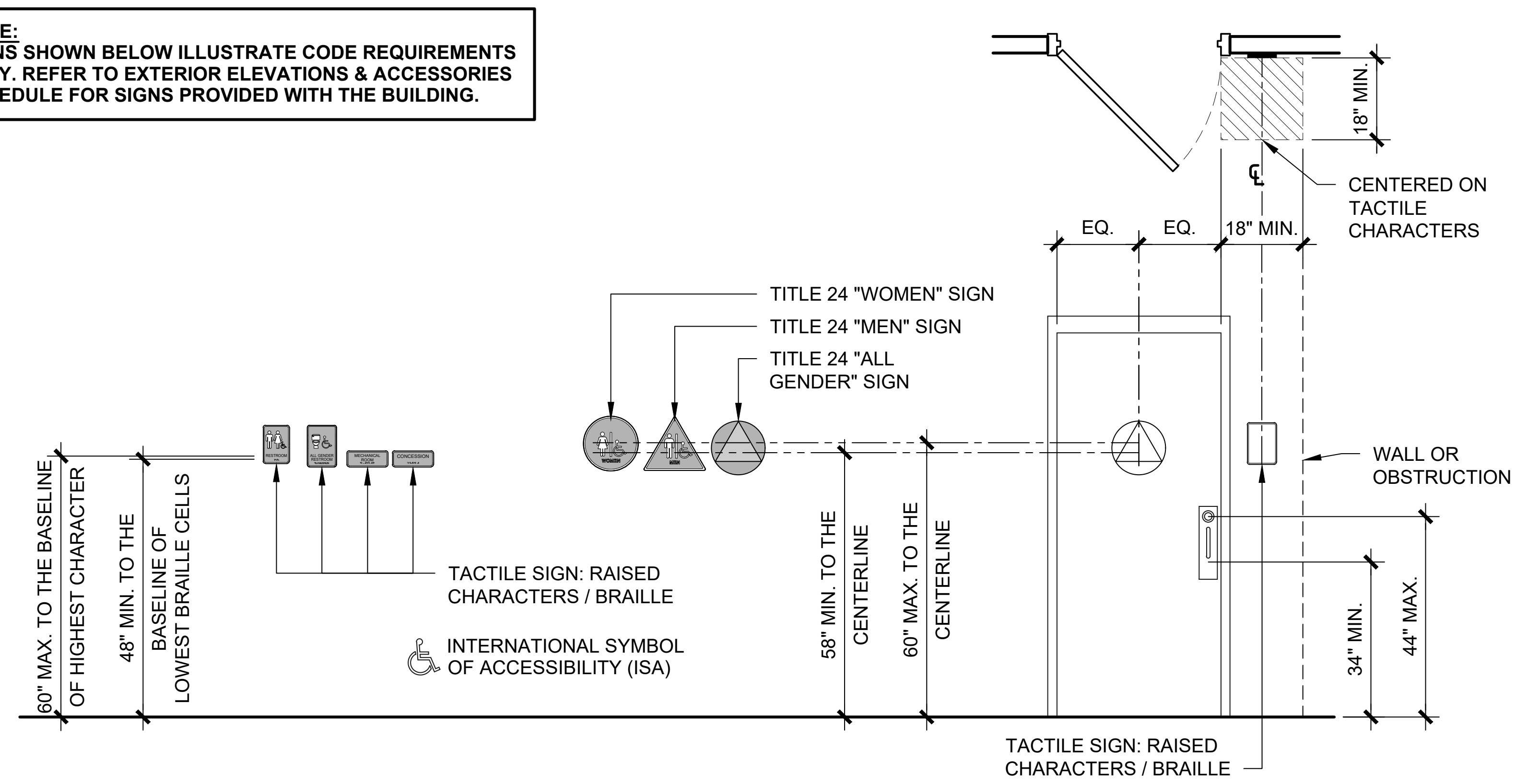
**NOTE:
NOT ALL ACCESSORIES PERTAIN TO THIS PROJECT. ITEMS SHOWN ARE FOR REPRESENTATION ONLY**

**NOTE:
NO FIXTURES IN THIS VIEW PROTRUDE MORE THAN 4"**

IF USED:
BOTTLE FILLER IS CENTERED OVER ACCESSIBLE DRINKING FOUNTAIN THAT IS < 20" DEEP

4 - MOUNTING HEIGHTS

**NOTE:
SIGNS SHOWN BELOW ILLUSTRATE CODE REQUIREMENTS ONLY. REFER TO EXTERIOR ELEVATIONS & ACCESSORIES SCHEDULE FOR SIGNS PROVIDED WITH THE BUILDING.**


18" MIN.
CENTERED ON
TACTILE
CHARACTERS
EQ.
EQ.
18" MIN.
TITLE 24 "WOMEN" SIGN
TITLE 24 "MEN" SIGN
TITLE 24 "ALL
GENDER" SIGN
WALL OR
OBSTRUCTION
60" MAX. TO THE BASELINE
OF HIGHEST CHARACTER
48" MIN. TO THE
BASELINE OF
LOWEST BRAILLE CELLS
TACTILE SIGN: RAISED
CHARACTERS / BRAILLE
INTERNATIONAL SYMBOL
OF ACCESSIBILITY (ISA)
58" MIN. TO THE
CENTERLINE
60" MAX. TO THE
CENTERLINE
34" MIN.
44" MAX.
TACTILE SIGN: RAISED
CHARACTERS / BRAILLE

5 - PERMANENT ROOM IDENTIFICATION SIGNS & TITLE 24 RESTROOM DOOR / GATE SIGNS

FOR REFERENCE ONLY.

SHEET NOT REVIEWED BY COUNTY OF SAN LUIS OBISPO PUBLIC WORKS.

1

6 - NOT USED

No.	Description	Date
1	County of San Luis Obispo Public Works Comments	03/05/2026
2	Front wall changed to 6" masonry	03/09/2026

10-Mar-26 9:28 AM

**CONSTRUCTION DOCUMENTS
03/10/2026**

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PUBLIC RESTROOM COMPANY
Building Better Places To Go.
2587 Business Pkwy, Minden, NV 89423
Ph: 888-888-2060 | Fax: 888-888-1448

PROJECT OWNER:
**CAMBRIA COMMUNITY SERVICES DISTRICT
Cambria, CA**

PROJECT NAME AND LOCATION:
**CAMBRIA SKATE PARK
Cambria, CA 93428**

SHEET TITLE:
ACCESSIBILITY COMPLIANCE

Drawn by:	DF	Job No.	13119
Checked by:	MM	AC	
Current Date:	03/10/2026		
Start Date:	11/10/2025		

DO NOT SCALE - DIMENSIONS PRESIDE

PUBLIC RESTROOM COMPANY
Building Better Places To Go.

CONSTRUCTION DOCUMENTS - 03/10/2026

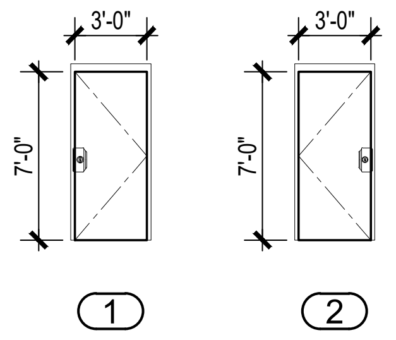
CAMBRIA SKATE PARK - Cambria, CA 93428

DOOR, FRAME & HARDWARE SCHEDULE

DOOR NO.	ROOM NAME	SIZE	1 DOOR TYPE	2 FRAME TYPE	3.a HINGE	4 LOCK	5.a CLOSER	5.b PULL PLATE OUTSIDE	5.b PULL PLATE INSIDE	5.c THRESH	5.d SWEEP	6 OTHER
1	**ACCESSIBLE ALL GENDER RR**	3'-0" x 7'-0"	1.a	2.a	3.a	4.a.1	YES	YES	YES	YES	NO	-
2	**MECHANICAL ROOM**	3'-0" x 7'-0"	1.a	2.a	3.a	4.a.2	NO	YES	YES	YES	YES	6.a

SPECS:

1. **DOOR TYPE:**
   - **a) 14 GA. GALVANIZED HOLLOW METAL**
2. **FRAME TYPE:**
   - **a) 6 3/4" WIDE 14 GA. GALVANIZED HOLLOW METAL (WELDED)**
3. **HINGE:**
   - **a) PEMKO KCFM-83" HD (OR EQ.) CONTINUOUS GEAR HINGE WITH STAINLESS STEEL VANDAL RESISTANT SCREWS.**
4. **LOCK:**
   - **a) DEADBOLT: SCHLAGE B600 SERIES (626 FINISH) WITH TEMPORARY CONSTRUCTION FULL SIZE INTERCHANGEABLE CORE (FSIC)**
     - **1) B660 - KEY EXT. SIDE, INT. ADA THUMB TURN LOCKS & UNLOCKS WITH INDICATOR - EXT. SIDE "OCCUPIED / VACANT", INT. SIDE "LOCKED / UNLOCKED"**
     - **2) B600 - KEY EXT. SIDE, INT. ADA THUMB TURN LOCKS & UNLOCKS**
5. **HARDWARE:**
   - **a) CLOSER: LCN 4211 (CUSH ARM)**
   - **b) PUSH / PULL PLATES: ROCKWOOD VRT24C x 91CFC US32DMS WITH BLACK COOL COATING HANDLE**
   - **c) THRESHOLD: PEMKO 270A (OR EQ.)**
   - **d) SWEEP: NGP 200NA36 (OR EQ.)**
6. **OTHER:**
   - **a) CHECK CHAIN: IVES CS115-25 (OR EQ.)**



NOTE:
DIMENSIONS ARE FOR DOORS ONLY, FRAMES ARE NOT INCLUDED.

STRUCTURAL DESIGN

COMPONENT	DESCRIPTION	SPECIFIC MATERIAL LIST	NOTES
SLAB			
PERIMETER FRAMEWORK	STRUCTURAL STEEL	L 6"x6"x5/16"	
REINFORCEMENT	REBAR MAT DESIGN	#4 MIN. GRADE 60 TOP: 8" O.C. EACH WAY BOT: 16" O.C. EACH WAY	
CONCRETE	8" MAT DESIGN	DESIGN BASIS IS MIN. 2500 PSI	NOTE #1
REBAR CONNECTION TO CONCRETE SLAB	STARTER BARS CONNECTION TO CONCRETE SLAB SHALL BE WITH 2 PART EPOXY w/ 5" MIN. EMBED DEPTH	RED HEAD A7+ EPOXY (OR EQUAL)	USE OF ADHESIVE ANCHORAGE SYSTEM BY PROVISIONS OF CODE REPORT ESR-3903 AND MANUFACTURER RECOMMENDATIONS
WALLS			
FRAMING (EXT.)			
TO CAP BEAM	C.M.U. BLOCK	4 x 8 x 16 OR 6 x 8 x 16 CONCRETE BLOCK. GROUT EVERY CELL w/ TYPE 'S' FINE GROUT. REINFORCING: HORIZONTAL - (2) 9 GA WIRES @ 8" O.C. (EVERY COURSE) VERTICAL - #3 REBAR @ 8" O.C. (EVERY CELL), EXCEPT USE #4 REBAR @ END OF WALLS, @ EACH SIDE OF OPENINGS, AND @ 10'-0" O.C. MAX.	USE TYPE 'S' FINE GROUT w/ A SLUMP OF 10"-11" FOR A "HIGH LIFT" GROUT POUR. GROUT POUR HEIGHT NOT TO EXCEED 12'-8"
CAP BEAM	STEEL	HSS 6 x 4 x 1/8 (ASTM / A 500 GRADE B)	
ABOVE CAP BEAM	WOOD	2x4 DF#2 OR BETTER STUDS @ 16" O.C.	
FRAMING (INT.)			
TO CAP BEAM	C.M.U.BLOCK	4 x 8 x 16 CONCRETE BLOCK. GROUT EVERY CELL w/ TYPE 'S' FINE GROUT. REINFORCING: HORIZONTAL - (2) 9 GA WIRES @ 8" O.C. (EVERY COURSE) VERTICAL - #3 REBAR @ 8" O.C. (EVERY CELL), EXCEPT USE #4 REBAR @ END OF WALLS, @ EACH SIDE OF OPENINGS, AND @ 10'-0" O.C. MAX.	USE TYPE 'S' FINE GROUT w/ A SLUMP OF 10"-11" FOR A "HIGH LIFT" GROUT POUR. GROUT POUR HEIGHT NOT TO EXCEED 12'-8"
CAP BEAM	STEEL	HSS 6 x 4 x 1/8 OR 8 x 4 x 3/16 (ASTM / A 500 Grade B)	
ABOVE CAP BEAM	WOOD	2x4 DF#2 OR BETTER STUDS @ 16" O.C.	
SHEATHING (ABOVE CAP BEAM)			
ALL FRAMED WALLS (EXT.)	WOOD	7/16" SHEATHING BOTH SIDES	NOTE #2
ALL FRAMED WALLS (INT.)	WOOD	7/16" SHEATHING BOTH SIDES	NOTE #2
ROOF			
RAFTERS	WOOD	2x6 DF#2 OR BETTER @ 24" O.C.	
LOOKOUTS	WOOD	2x6 DF#2 OR BETTER @ 24" O.C.	
SHEATHING	WOOD	5/8" SHEATHING TOP & BOTTOM	
SUB-FASCIA	WOOD	2x6 DF#2 OR BETTER WRAPPED w/ 16 GA. FORMED STEEL	

NOTES:
1. INTEGRAL ADDITIVES FOR MOISTURE, STAINING, ODOR & CORROSION RESISTANCE.
2. PAINT WALL SHEATHING FOR MOISTURE PROTECTION (MECHANICAL ROOM SIDE)

SHEAR WALL SCHEDULE

MARK & TYPE	BLOCK	REINFORCEMENT	CAP BEAM
1 C.M.U.	4 x 8 x 16 FULLY GROUTED	HORIZONTAL - (2) 9 GA WIRES @ 8" O.C. (EVERY COURSE) VERTICAL - #3 REBAR @ 8" O.C. (EVERY CELL), EXCEPT USE #4 REBAR @ END OF WALLS, @ EACH SIDE OF OPENINGS, AND @ 10'-0" O.C. MAX.	HSS 6 x 4 x 1/8
2 C.M.U.	6 x 8 x 16 FULLY GROUTED	HORIZONTAL - (2) 9 GA WIRES @ 8" O.C. (EVERY COURSE) VERTICAL - #3 REBAR @ 8" O.C. (EVERY CELL), EXCEPT USE #4 REBAR @ END OF WALLS, @ EACH SIDE OF OPENINGS, AND @ 10'-0" O.C. MAX.	HSS 8 x 4 x 3/16

GENERAL SHEET NOTES:

1. SD SHEETS REFERENCED HEREIN CONTAIN PROPRIETARY INFORMATION AND THEREFORE ARE NOT AN INTEGRAL PART OF THE PLANS. SD SHEETS SHALL BE UTILIZED FOR ENGINEERING PURPOSES AND INTERNAL USE ONLY.
2. SEAL ALL ROOF & EXTERIOR WALL PENETRATIONS AIR TIGHT.
3. LOCATION OF ALL PLUMBING & ELECTRICAL COMPONENTS IN THE MECHANICAL ROOM ARE SUBJECT TO CHANGE AS LONG AS THEY DO NOT VIOLATE CODE, FINAL LOCATIONS TBD.

WALL LEGEND:

▬	**4" C.M.U. SPLIT FACE**
▬	**6" C.M.U. SPLIT FACE**
▨	**4" C.M.U. PRECISION**

FLOOD NOTES:

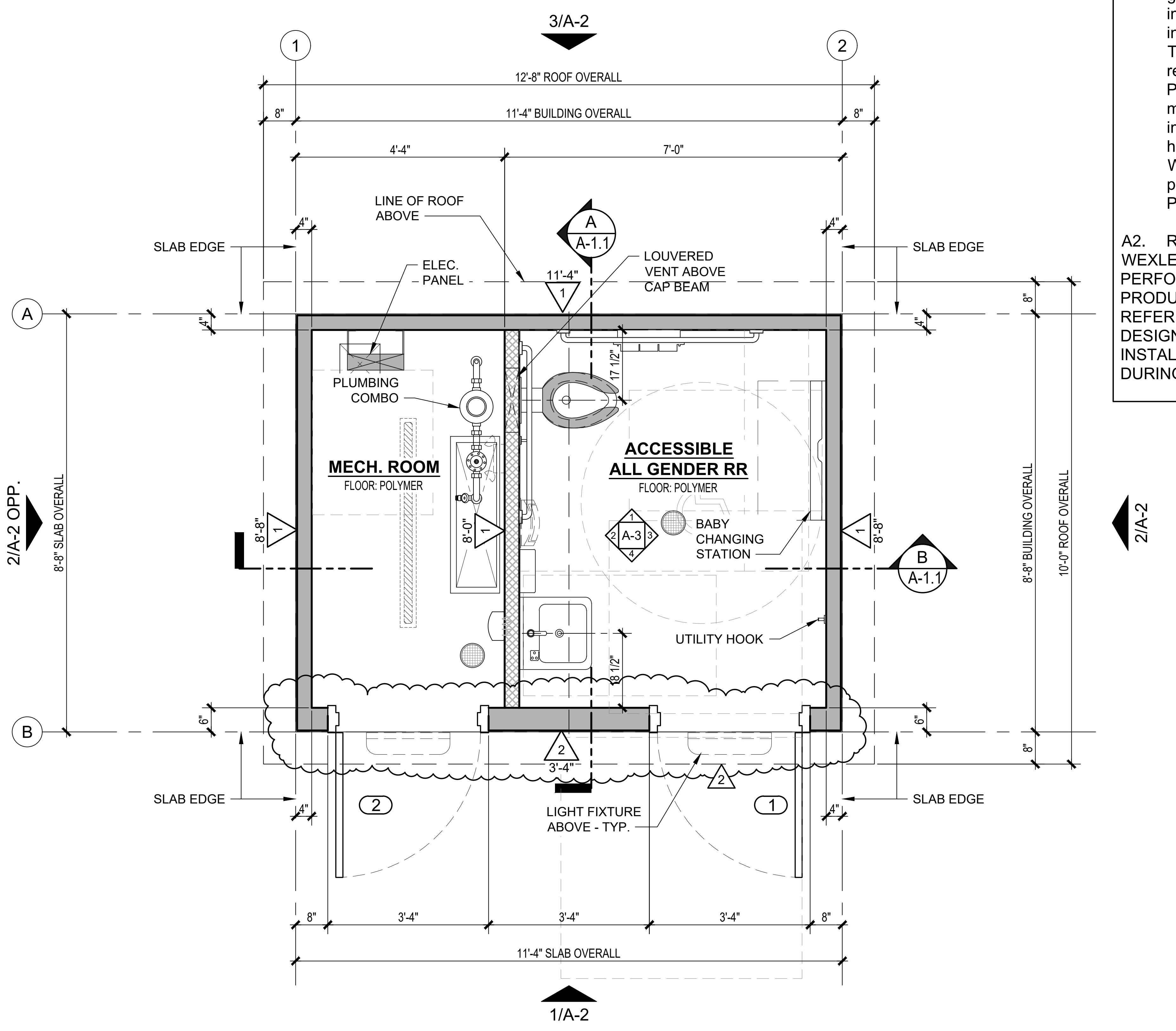
1. PER ASCE-24, SUMP PUMPS SHALL BE PROVIDED FOR DRYPROOFING. REFER TO ASCE-24 AND CALLOUT AND SHOW SUMP PUMP(S)

   THE SUMP PUMP CANNOT BE RELIED UPON FOR DRY FLOOD PROOFING.

A1. REFER TO THE LETTER FROM CAMBRIA COMMUNITY SERVICES DISTRICT ALLOWING THE SEWER SYSTEM TO MANAGE POTENTIAL LEAKAGE FROM THE DOOR COVERS BY THE FLOOR DRAINS IN THE ROOMS DURING AN EVENT.

2. Per ASCE-24, the doors shall have flood shields (i.e. gates) to create a watertight seal. This is especially important to prevent backflow through the system and infiltration of floodwaters into the system.
   The gates and their attachments shall be designed to resist the pressure associated with the flood load. Provide design meeting the criteria above. The design must accommodate activation of the gates (or implement the installation of removable gates) by human intervention.
   When removable gates are used, a flood emergency plan shall be approved by County of San Luis Obispo Public Works. See ASCE-24.

A2. REFER TO THE APPERTAINING DOCUMENT JACOB WEXLER, CHIEF ENGINEER OF SUPERIOR PERFORMANCE AND COMPLIANCE (FLOOD BARRIER PRODUCTS) THAT WILL BE UTILIZED FOR THE DOORS. REFER TO THE "FLOOD EMERGENCY PLAN" FROM CIVIL DESIGN STUDIO DATED APRIL 30, 2025 FOR INSTALLATION OF THE FLOOD SHIELDS AT THE DOORS DURING AN EVENT.



1
A-1
FLOOR PLAN
SCALE: 1/2"=1'-0"

COUNTY OF SAN LUIS OBISPO PUBLIC WORKS REVIEW / APPROVAL FOR ELEVATION OF ELECTRICAL COMPONENTS; DRY FLOOD PROOFING COMPONENTS AND MATERIALS; AND FLOOD RESISTANT STRUCTURAL DESIGN ONLY.

STRUCTURAL ONLY
This certification is for structural design only. All other matters of code compliance including but not limited to allowable area, fire resistance, and egress are the responsibility of others.

ERIC J. TOMPOS
No. C70218
Exp. 09-30-2026
CIVIL
03/11/2026

ICC NTA, LLC, 305 N. Oakland Ave
Nappanee, IN 46550
COA: 33677
These documents are applicable only to the elements and loading criteria specifically provided herein. These documents shall not be construed in any way to specify, certify or design any aspects of the building not contained herein. Specified design criteria are based solely on information provided by the client and must be verified and approved by the local authority having jurisdiction. ICC NTA, LLC is not responsible for fabrication or erection. If it is suspected that these documents have been modified, substituted or altered in any way, contact ICC NTA, LLC at (574) 773-7975 to obtain a file copy.

No.	Description	Date
1	County of San Luis Obispo Public Works Comments	03/05/2026
2	Front wall changed to 6" masonry	03/09/2026

CONSTRUCTION DOCUMENTS
03/10/2026

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PUBLIC RESTROOM COMPANY
Building Better Places To Go.
2587 Business Pkwy, Minden, NV 89423
Ph: 888-888-2060 | Fax: 888-888-1448

PROJECT OWNER:
CAMBRIA COMMUNITY SERVICES DISTRICT
Cambria, CA

PROJECT NAME AND LOCATION:
CAMBRIA SKATE PARK
Cambria, CA 93428

SHEET TITLE:
FLOOR PLAN, STRUCTURAL DESIGN & SCHEDULES

Drawn by:	**DF**	Job No.	**13119**
Checked by:	**MM**	A-1	
Current Date:	**03/10/2026**		
Start Date:	**11/10/2025**		

DO NOT SCALE - DIMENSIONS PRESIDE

CONSTRUCTION DOCUMENTS - 03/10/2026

CAMBRIA SKATE PARK - Cambria, CA 93428

PUBLIC RESTROOM COMPANY
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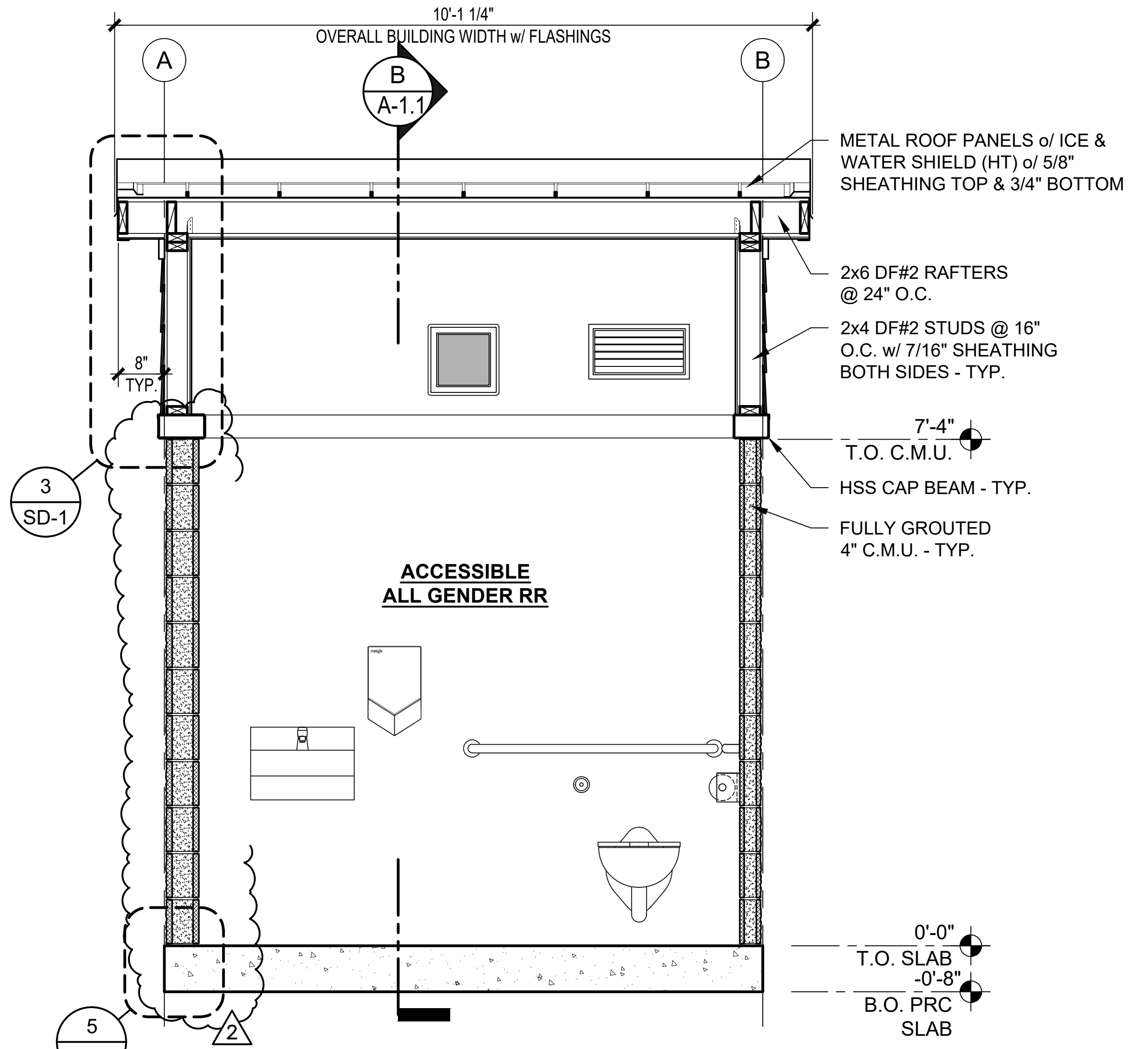
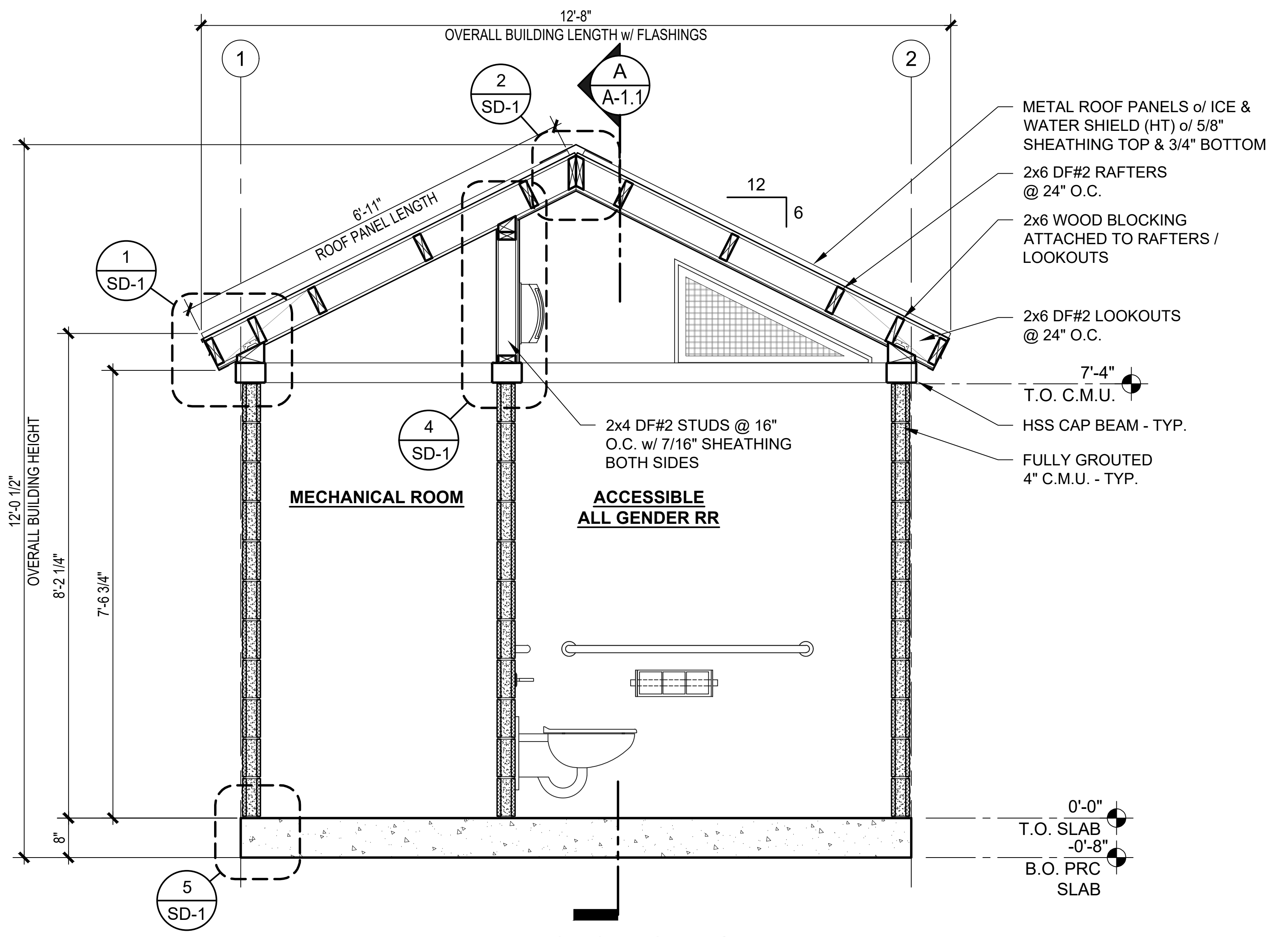
10-Mar-26 9:28 AM


10'-1 1/4"
OVERALL BUILDING WIDTH w/ FLASHINGS
A
B
B
A-1.1
METAL ROOF PANELS o/ ICE & WATER SHIELD (HT) o/ 5/8" SHEATHING TOP & 3/4" BOTTOM
2x6 DF#2 RAFTERS @ 24" O.C.
2x4 DF#2 STUDS @ 16" O.C. w/ 7/16" SHEATHING BOTH SIDES - TYP.
8"
TYP.
7'-4"
T.O. C.M.U.
HSS CAP BEAM - TYP.
FULLY GROUTED 4" C.M.U. - TYP.
3
SD-1
ACCESSIBLE ALL GENDER RR
0'-0"
T.O. SLAB
-0'-8"
B.O. PRC SLAB
5
SD-1
2

A
A-1.1

BUILDING SECTION

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


12'-8"
OVERALL BUILDING LENGTH w/ FLASHINGS
1
2
2
SD-1
A
A-1.1
METAL ROOF PANELS o/ ICE & WATER SHIELD (HT) o/ 5/8" SHEATHING TOP & 3/4" BOTTOM
2x6 DF#2 RAFTERS @ 24" O.C.
2x6 WOOD BLOCKING ATTACHED TO RAFTERS / LOOKOUTS
2x6 DF#2 LOOKOUTS @ 24" O.C.
12
6
6'-11"
ROOF PANEL LENGTH
1
SD-1
12'-0 1/2"
OVERALL BUILDING HEIGHT
8'-2 1/4"
7'-6 3/4"
8"
7'-4"
T.O. C.M.U.
HSS CAP BEAM - TYP.
FULLY GROUTED 4" C.M.U. - TYP.
4
SD-1
2x4 DF#2 STUDS @ 16" O.C. w/ 7/16" SHEATHING BOTH SIDES
MECHANICAL ROOM
ACCESSIBLE ALL GENDER RR
0'-0"
T.O. SLAB
-0'-8"
B.O. PRC SLAB
5
SD-1

B
A-1.1

BUILDING SECTION

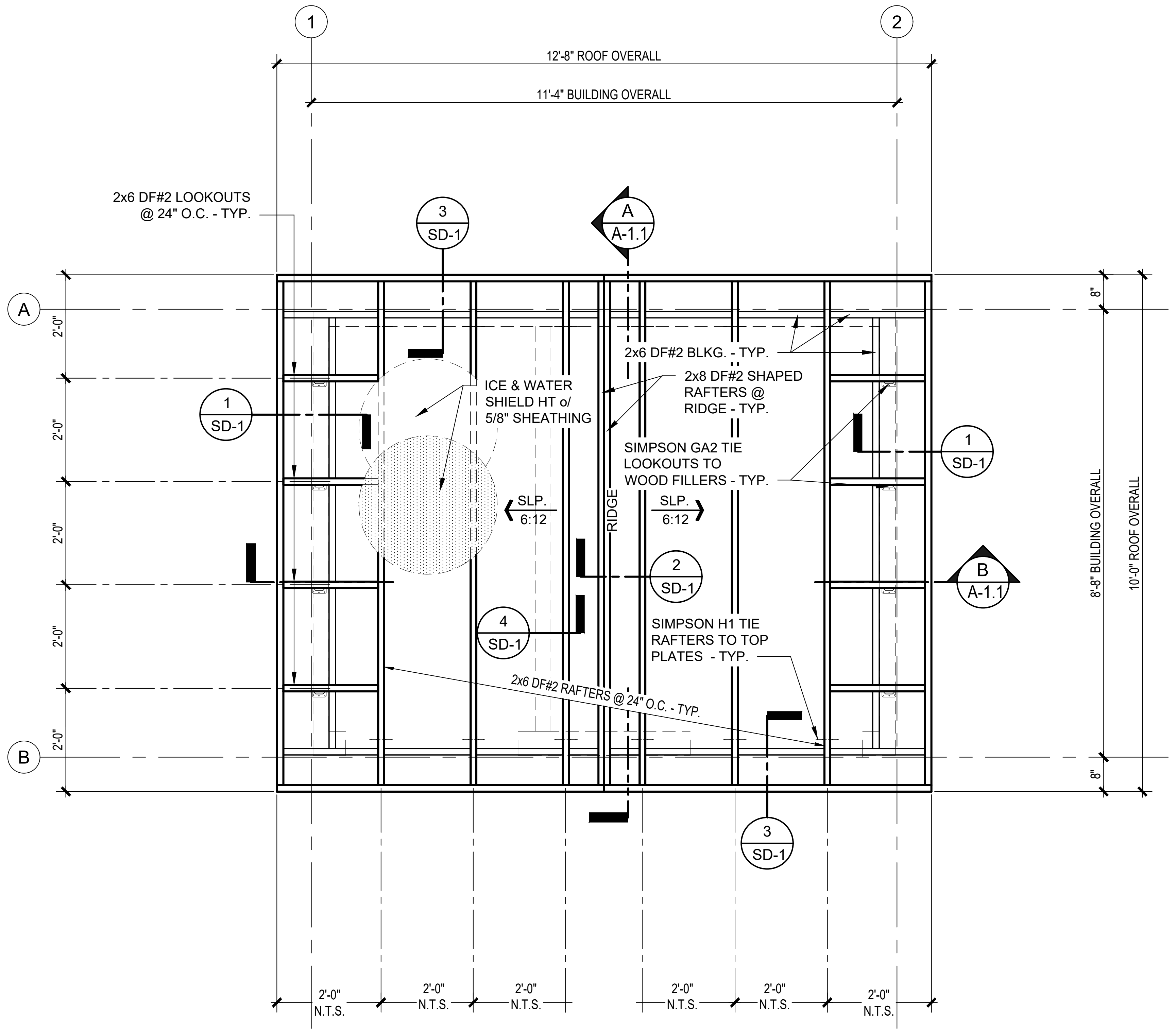
SCALE: 1/2"=1'-0"

FASTENING SCHEDULE

WOOD FRAMED WALLS	
STUDS TO TOP & BOTTOM PLATES	(2) 0.131" x 3" NAILS
DOUBLE TOP PLATES	(2) 0.131" x 3" NAILS @ 16" O.C.
INTERIOR WALL SHEATHING (BOTH SIDES)	0.131" x 2" @ 6" O.C EDGES 12" O.C. FIELD
EXTERIOR WALL SHEATHING (BOTH SIDES)	0.131" x 2" @ 6" O.C EDGES 12" O.C. FIELD
BOTTOM PLATES & WOOD FILLERS TO CAP BEAM	#12 SELF TAPPING SCREWS CONFORMING TO ASTM C1513 OR EQUAL @ 12" O.C. STAGGERED & WITHIN 4" OF ENDS (ENSURE FULL THREAD ENGAGEMENT)
ROOF	
RAFTERS / LOOKOUTS TO TOP PLATES	(1) SIMPSON H1A TIE / (1) SIMPSON H2.5 @ END CONDITIONS
RAFTERS / LOOKOUTS TO WOOD FILLERS	(1) SIMPSON GA2 TIE
LOOKOUTS TO RAFTERS	(3) 0.131" x 3" NAILS, END GRAIN OR TOE NAILED
SHEATHING TO RAFTERS & LOOKOUTS	0.131" x 2.5" NAILS @ 4" O.C. EDGE, 8" O.C. FIELD
SUB FASCIA TO RAFTERS & LOOKOUTS	(3) 0.131" x 3" END GRAIN NAILS

GENERAL SHEET NOTES:

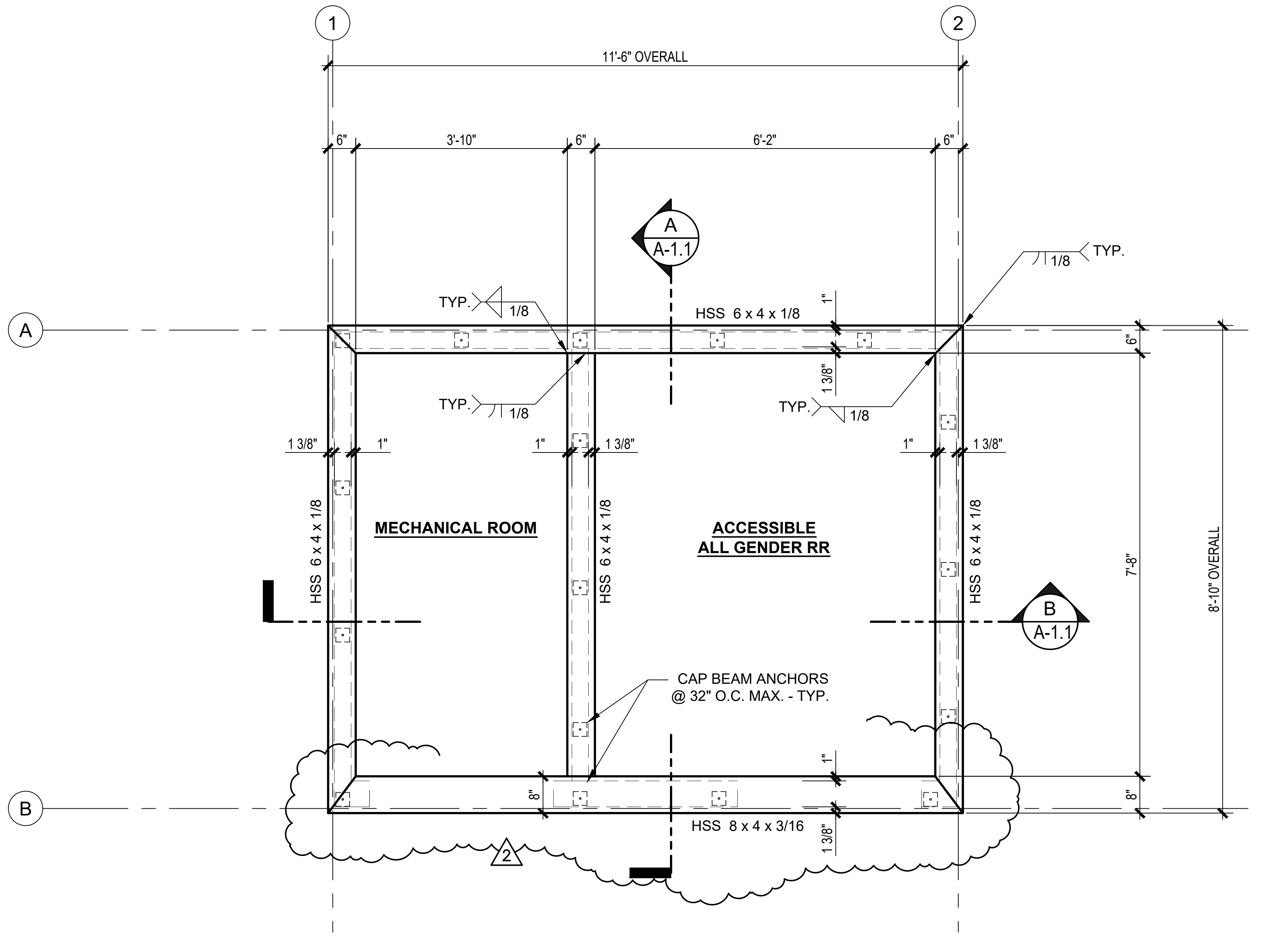
1. SD SHEETS REFERENCED HEREIN CONTAIN PROPRIETARY INFORMATION AND THEREFORE ARE NOT AN INTEGRAL PART OF THE PLANS. SD SHEETS SHALL BE UTILIZED FOR ENGINEERING PURPOSES AND INTERNAL USE ONLY.


1
2
12'-8" ROOF OVERALL
11'-4" BUILDING OVERALL
2x6 DF#2 LOOKOUTS @ 24" O.C. - TYP.
3
SD-1
A
A-1.1
A
B
2'-0"
2'-0"
2'-0"
2'-0"
2'-0"
8"
8"
1
SD-1
ICE & WATER SHIELD HT o/ 5/8" SHEATHING
2x6 DF#2 BLKG. - TYP.
2x8 DF#2 SHAPED RAFTERS @ RIDGE - TYP.
SIMPSON GA2 TIE LOOKOUTS TO WOOD FILLERS - TYP.
SLP. 6:12
SLP. 6:12
RIDGE
1
SD-1
2
SD-1
B
A-1.1
4
SD-1
SIMPSON H1 TIE RAFTERS TO TOP PLATES - TYP.
2x6 DF#2 RAFTERS @ 24" O.C. - TYP.
8'-8" BUILDING OVERALL
10'-0" ROOF OVERALL
3
SD-1
2'-0" N.T.S.
2'-0" N.T.S.
2'-0" N.T.S.
2'-0" N.T.S.
2'-0" N.T.S.
2'-0" N.T.S.

1
A-1.1

ROOF FRAMING PLAN

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


1
2
11'-6" OVERALL
6"
3'-10"
6"
6'-2"
6"
A
A-1.1
TYP.
1/8
TYP.
1/8
TYP.
1/8
TYP.
1/8
HSS 6 x 4 x 1/8
1"
1 3/8"
A
B
1 3/8"
1"
1"
1 3/8"
1"
1 3/8"
MECHANICAL ROOM
ACCESSIBLE ALL GENDER RR
HSS 6 x 4 x 1/8
HSS 6 x 4 x 1/8
HSS 6 x 4 x 1/8
B
A-1.1
7'-8"
8'-10" OVERALL
6"
8"
8"
8"
CAP BEAM ANCHORS @ 32" O.C. MAX. - TYP.
1"
HSS 8 x 4 x 3/16
1 3/8"
2

COUNTY OF SAN LUIS OBISPO PUBLIC WORKS REVIEW / APPROVAL FOR ELEVATION OF ELECTRICAL COMPONENTS; DRY FLOOD PROOFING COMPONENTS AND MATERIALS; AND FLOOD RESISTANT STRUCTURAL DESIGN ONLY.

1

2
A-1.1

TOP OF THE WALL CAP BEAM PLAN

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

STRUCTURAL ONLY

This certification is for structural design only. All other matters of code compliance including but not limited to allowable area, fire resistance, and egress are the responsibility of others.

ERIC J. TOMPOS
No. C70218
Exp. 09-30-2026
CIVIL
03/11/2026

ICC NTA, LLC, 305 N. Oakland Ave
Nappanee, IN 46550
COA: 33677

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CONSTRUCTION DOCUMENTS - 03/10/2026

CAMBRIA SKATE PARK - Cambria, CA 93428

PUBLIC RESTROOM COMPANY
Building Better Places To Go.

No.	Description	Date
1	County of San Luis Obispo Public Works Comments	03/05/2026
2	Front wall changed to 6" masonry	03/09/2026

10-Mar-26 9:28 AM

CONSTRUCTION DOCUMENTS
03/10/2026

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PUBLIC RESTROOM COMPANY
Building Better Places To Go.
2587 Business Pkwy, Minden, NV 89423
Ph: 888-888-2060 | Fax: 888-888-1448

PROJECT OWNER:
CAMBRIA COMMUNITY SERVICES DISTRICT
Cambria, CA

PROJECT NAME AND LOCATION:
CAMBRIA SKATE PARK
Cambria, CA 93428

SHEET TITLE:
BUILDING SECTIONS, ROOF FRAMING & TOP OF THE WALL CAP BEAM PLANS & FASTENING SCHEDULE

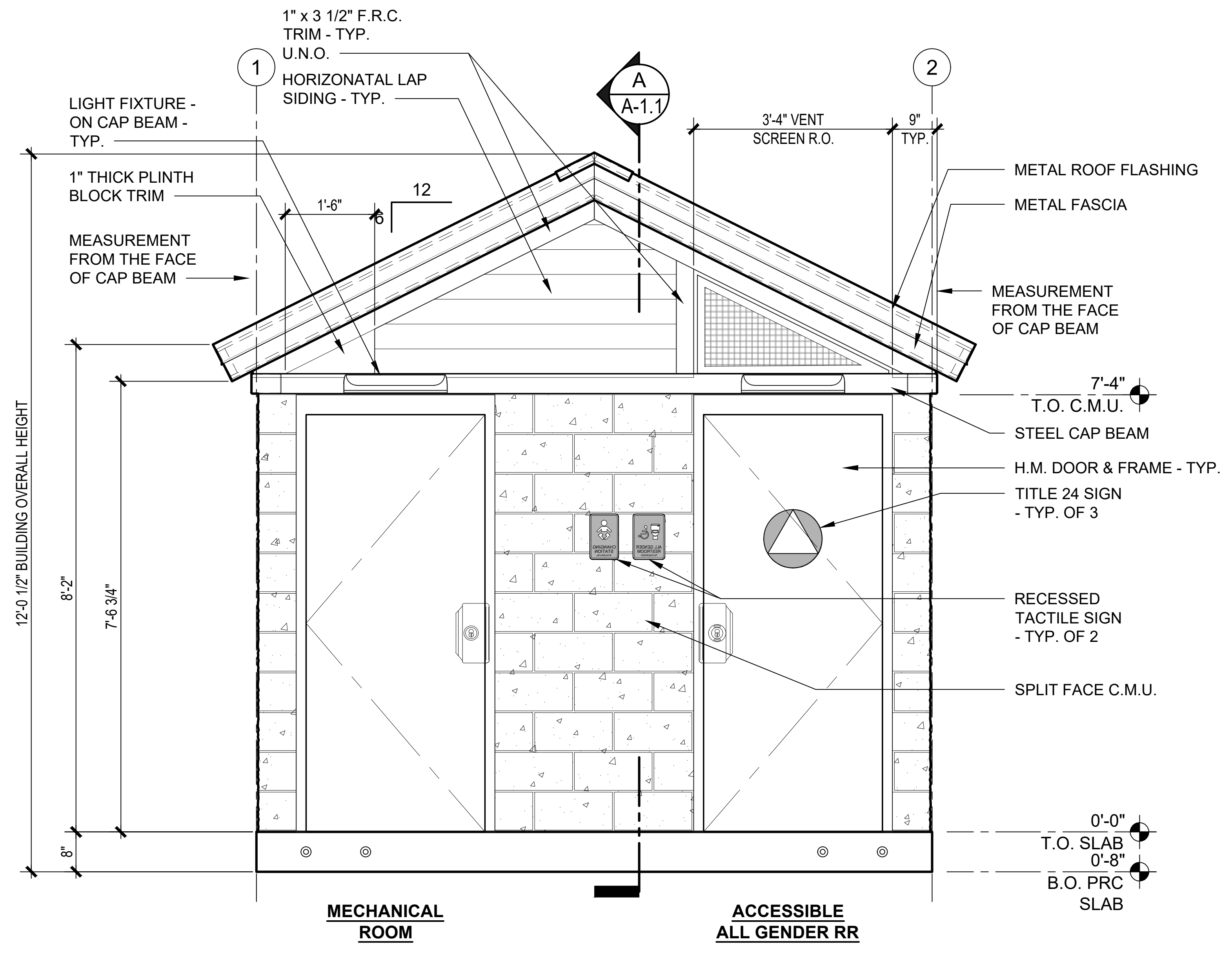
Drawn by:	DF	Job No.	13119
Checked by:	MM	A-1.1	
Current Date:	03/10/2026		
Start Date:	11/10/2025		

DO NOT SCALE - DIMENSIONS PRESIDE

EXTERIOR FINISH SCHEDULE

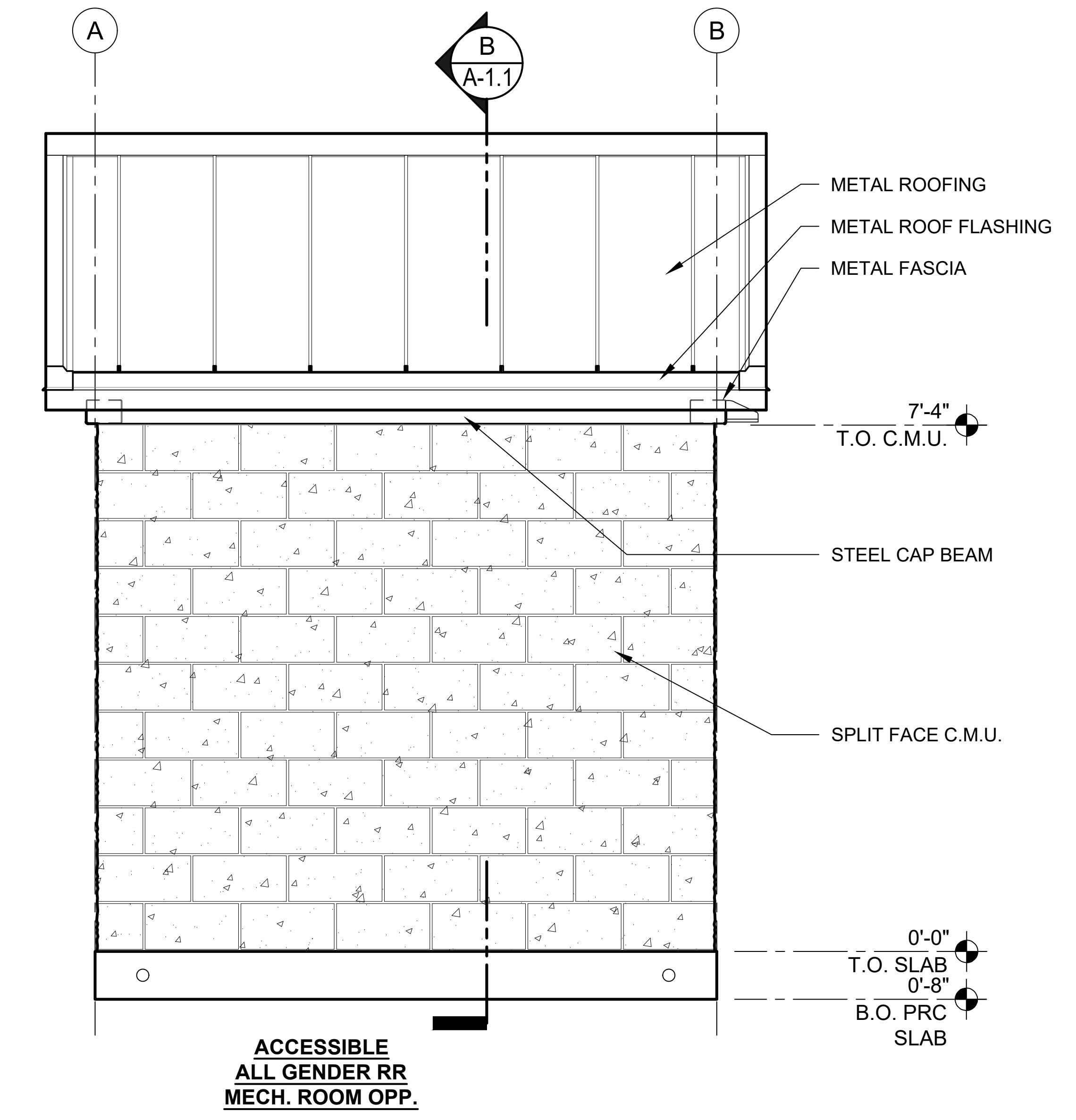
TYPE	DESCRIPTION	FINISH	BRAND / COLOR	NOTES
WALLS (TO 7'-4")				
C.M.U.	SPLIT FACE C.M.U.	PAINTED	PITTSBURGH PITT-TECH / SHARK - PPG1006-2	1 COAT PRIMER, 2 COATS FINISH - SEMI-GLOSS
CAP BEAM	STEEL	PAINTED	PITTSBURGH PITT-TECH / STONEHENGE GREIGE - PPG1024-5	1 COAT PRIMER, 2 COATS FINISH - SEMI-GLOSS
DOORS & FRAMES				
ALL DOORS & FRAMES	HOLLOW METAL	PAINTED	PITTSBURGH PITT-TECH / STONEHENGE GREIGE - PPG1024-5	1 COAT PRIMER, 2 COATS FINISH - SEMI-GLOSS
ABOVE CAP BEAM				
SIDING	F.R.C. HORIZONTAL LAP SIDING (5" EXPOSURE)	PAINTED	PITTSBURGH PITT-TECH / SHARK - PPG1006-2	1 COAT PRIMER, 2 COATS FINISH - SEMI-GLOSS
TRIM	1" THICK F.R.C. TRIM BOARDS (x SIZES NOTED)	PAINTED	PITTSBURGH PITT-TECH / STONEHENGE GREIGE - PPG1024-5	1 COAT PRIMER, 2 COATS FINISH - SEMI-GLOSS
VENT FRAMES	1 1/2" x 1 1/2" x 1/8" STEEL ANGLE BAR	PAINTED	PITTSBURGH PITT-TECH / MATCH TRIM	1 COAT PRIMER, 2 COATS FINISH - SEMI-GLOSS
VENT SCREENS	STAINLESS STEEL WIRE MESH (1" x 1" x 3/16")	NATURAL	-	-

TYPE	DESCRIPTION	FINISH	BRAND / COLOR	NOTES
ROOF				
ROOFING	26 GA. 16" STRIATED STANDING SEAM METAL ROOF PANELS	PREFINISHED	METAL SALES IMAGE II / BURNISHED SLATE (49)	o/ HT ICE & WATER SHIELD
FLASHINGS	26 GA. METAL	PREFINISHED	METAL SALES IMAGE II / MATCH ROOFING	-
FASCIA	WOOD WRAPPED w/ 16 GA. METAL	PAINTED	PITTSBURGH PITT-TECH / STONEHENGE GREIGE - PPG1024-5	1 COAT PRIMER, 2 COATS FINISH - SEMI-GLOSS
SOFFITS	F.R.C. BOARD w/ TEXTURED PATTERN	PAINTED	PITTSBURGH PITT-TECH / STONEHENGE GREIGE - PPG1024-5	1 COAT PRIMER, 2 COATS FINISH - SEMI-GLOSS
OTHER				
MISC. FLASHINGS	GALV. METAL OVER CAP BEAM & BELT BAND TRIM	PAINTED	PITTSBURGH PITT-TECH / MATCH ADJACENT COLOR	1 COAT PRIMER, 2 COATS FINISH - SEMI-GLOSS


1" x 3 1/2" F.R.C. TRIM - TYP. U.N.O.
HORIZONATAL LAP SIDING - TYP.
LIGHT FIXTURE - ON CAP BEAM - TYP.
1" THICK PLINTH BLOCK TRIM
MEASUREMENT FROM THE FACE OF CAP BEAM
1
2
A
A-1.1
3'-4" VENT SCREEN R.O.
9" TYP.
1'-6"
12
6
METAL ROOF FLASHING
METAL FASCIA
MEASUREMENT FROM THE FACE OF CAP BEAM
7'-4" T.O. C.M.U.
STEEL CAP BEAM
H.M. DOOR & FRAME - TYP.
TITLE 24 SIGN - TYP. OF 3
RECESSED TACTILE SIGN - TYP. OF 2
SPLIT FACE C.M.U.
12'-0 1/2" BUILDING OVERALL HEIGHT
8'-2"
7'-6 3/4"
8"
0'-0" T.O. SLAB
0'-8" B.O. PRC SLAB
MECHANICAL ROOM
ACCESSIBLE ALL GENDER RR

1 / A-2 EXTERIOR ELEVATION

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

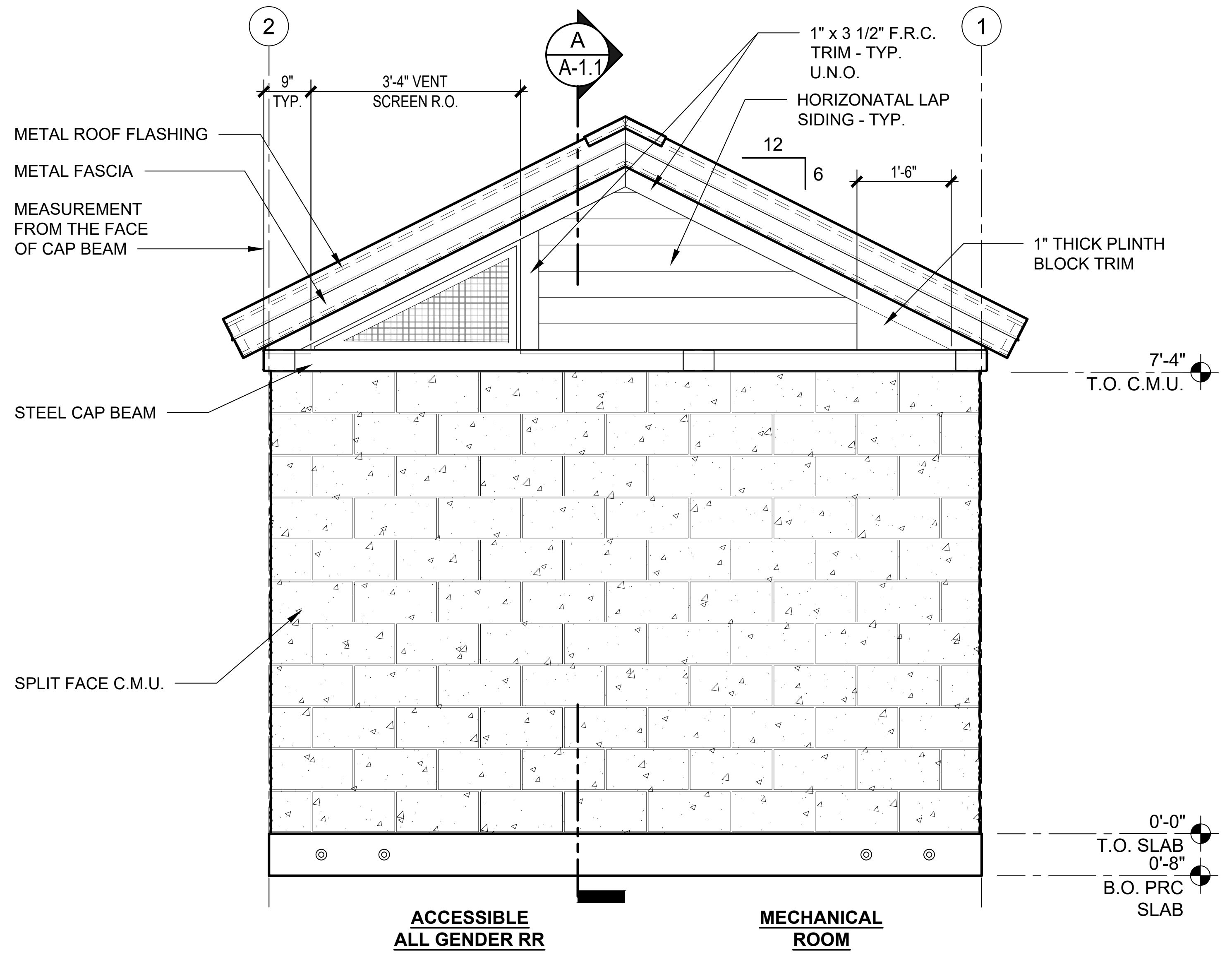

A
B
B
A-1.1
METAL ROOFING
METAL ROOF FLASHING
METAL FASCIA
7'-4" T.O. C.M.U.
STEEL CAP BEAM
SPLIT FACE C.M.U.
0'-0" T.O. SLAB
0'-8" B.O. PRC SLAB
ACCESSIBLE ALL GENDER RR MECH. ROOM OPP.

2 / A-2 EXTERIOR ELEVATION

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

NOTE:

SD SHEET REFERENCED HEREIN CONTAIN PROPRIETARY INFORMATION AND THEREFORE ARE NOT AN INTEGRAL PART OF THE PLANS. SD SHEETS SHALL BE UTILIZED FOR ENGINEERING PURPOSES AND INTERNAL USE ONLY.


2
1
A
A-1.1
9" TYP.
3'-4" VENT SCREEN R.O.
1" x 3 1/2" F.R.C. TRIM - TYP. U.N.O.
HORIZONATAL LAP SIDING - TYP.
12
6
1'-6"
METAL ROOF FLASHING
METAL FASCIA
MEASUREMENT FROM THE FACE OF CAP BEAM
1" THICK PLINTH BLOCK TRIM
7'-4" T.O. C.M.U.
STEEL CAP BEAM
SPLIT FACE C.M.U.
0'-0" T.O. SLAB
0'-8" B.O. PRC SLAB
ACCESSIBLE ALL GENDER RR
MECHANICAL ROOM

3 / A-2 EXTERIOR ELEVATION

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

1

COUNTY OF SAN LUIS OBISPO PUBLIC WORKS REVIEW / APPROVAL FOR ELEVATION OF ELECTRICAL COMPONENTS; DRY FLOOD PROOFING COMPONENTS AND MATERIALS; AND FLOOD RESISTANT STRUCTURAL DESIGN ONLY.

STRUCTURAL ONLY

This certification is for structural design only. All other matters of code compliance including but not limited to allowable area, fire resistance, and egress are the responsibility of others.

ERIC J. TOMPOS
No. C70218
Exp. 09-30-2026
CIVIL
03/11/2026

ICC NTA, LLC, 305 N. Oakland Ave
Nappanee, IN 46550
COA: 33677

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10-Mar-26 9:28 AM

No.	Description	Date
1	County of San Luis Obispo Public Works Comments	03/05/2026
2	Front wall changed to 6" masonry	03/09/2026

CONSTRUCTION DOCUMENTS
03/10/2026

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Ph: 888-888-2060 | Fax: 888-888-1448

PROJECT OWNER:
CAMBRIA COMMUNITY SERVICES DISTRICT
Cambria, CA

PROJECT NAME AND LOCATION:
CAMBRIA SKATE PARK
Cambria, CA 93428

SHEET TITLE:
EXTERIOR ELEVATIONS & FINISH SCHEDULE

Drawn by:	DF	Job No.	13119
Checked by:	MM	A-2	
Current Date:	03/10/2026		
Start Date:	11/10/2025		

DO NOT SCALE - DIMENSIONS PRESIDE

CONSTRUCTION DOCUMENTS - 03/10/2026

CAMBRIA SKATE PARK - Cambria, CA 93428

RESTROOM ACCESSORIES & SPECIALTIES

MOUNT WITH VANDAL RESISTANT SS SCREWS

ACCESSORIES	QTY	SIZE/STYLE	MANUF./ITEM #	PRC#	FINISH / COLOR / STYLE	NOTES
GRAB BAR	1	48"	BOBRICK B-6806-48 (OR EQ.)	H1119	STAINLESS STEEL	MOUNT 33" MIN. - 36" MAX. A.F.F. TO TOP
GRAB BAR	1	42"	BOBRICK B-6806-42 (OR EQ.)	H1118	STAINLESS STEEL	MOUNT 33" MIN. - 36" MAX. A.F.F. TO TOP
TOILET PAPER HOLDER	1	VANDAL RESISTANT 3-ROLL	ROYCE ROLLS TP-3	H1152	STAINLESS STEEL	MOUNT 30" A.F.F. TO TOP
PAPER TOWEL DISPENSER	1	SURFACE MOUNTED	BOBRICK B-262	H1139	SPRAYED NICKEL	MOUNT 40" MAX. A.F.F. TO OPENING
UTILITY HOOK	1	SURFACE MOUNTED	BOBRICK B-670 (OR EQ.)	H1143	STAINLESS STEEL	MOUNT 48" A.F.F. TO TOP OF HOOK
BABY CHANGING STATION	1	SURFACE MOUNTED	FOUNDATIONS 200-EH-01	H1108	STAINLESS STEEL / POLY	MOUNT 34" MAX. A.F.F. TO TOP OF WORK SURFACE
SIGNS - TACTILE ROOM ID ACCESSIBLE "ALL GENDER"	1	RECTANGULAR - RECESSED	SIGN ELEMENTS	H1315	ALUMINUM BLUE	MOUNT 60" A.F.F. TO CENTER - SEE SHEET A-2
SIGNS - TACTILE "BABY CHANGING STATION"	1	RECTANGULAR - RECESSED	SIGN ELEMENTS	H1320	ALUMINUM BLUE	TOP TO MATCH ADJACENT SIGN HEIGHT - SEE SHEET A-2
SIGNS - CA TITLE 24 PICTOGRAM "ALL GENDER"	1	12" TRIANGLE / CIRCLE - SURF. MTD.	SIGN ELEMENTS	H1307	BLUE ON ALUMINUM	MOUNT 59" A.F.F. TO CENTER - SEE SHEET A-2
LOUVERED VENT	1	16" x 8"	SUNVENT #157FL	C1000	ALUMINUM / NATURAL	AT DEMISING WALL ABOVE CAP BEAM (INVERT LOUVERS)

INTERIOR FINISH SCHEDULE

COMPONENT	DESCRIPTION	FINISH	BRAND / COLOR	NOTES
FLOOR				
ALL ROOMS	CONCRETE	POLYMER COATING	CROWN POLYMERS / CROWNPRO 7072 SC	SKID RESISTANT COLOR CHIPS: TAN BLEND A1434 (#B22-2102)
WALLS				
RESTROOM	C.M.U. - PRECISION	BLOCK FILLER / PAINTED	PITTSBURGH / PURE WHITE - PITT-TECH	2 COATS BLOCK FILLER, 2 COATS FINISH - SEMI-GLOSS
CAP BEAM	STEEL	PAINTED	PITTSBURGH / PURE WHITE - PITT-TECH	1 COAT PRIMER, 2 COATS FINISH - SEMI-GLOSS
ABOVE CAP BEAM	F.R.C. - TEXTURED PATTERN	PAINTED	PITTSBURGH / PURE WHITE - PITT-TECH	1 COAT PRIMER, 2 COATS FINISH - SEMI-GLOSS
MECHANICAL ROOM	C.M.U. - PRECISION	BLOCK FILLER / PAINTED	PITTSBURGH / PURE WHITE - PITT-TECH	1 COAT BLOCK FILLER, 1 COAT FINISH - SEMI-GLOSS
CAP BEAM	STEEL	PAINTED	PITTSBURGH / PURE WHITE - PITT-TECH	1 COAT PRIMER, 2 COATS FINISH - SEMI-GLOSS
ABOVE CAP BEAM	WOOD SHEATHING	PAINTED	PITTSBURGH / PURE WHITE - PITT-TECH	1 COAT PRIMER, 2 COATS FINISH - SEMI-GLOSS
CEILING				
RESTROOM	F.R.C. - TEXTURED PATTERN	PAINTED	PITTSBURGH / PURE WHITE - PITT-TECH	1 COAT PRIMER, 2 COATS FINISH - SEMI-GLOSS
MECHANICAL ROOM	WOOD SHEATHING	PAINTED	PITTSBURGH / PURE WHITE - PITT-TECH	1 COAT PRIMER, 2 COATS FINISH - SEMI-GLOSS

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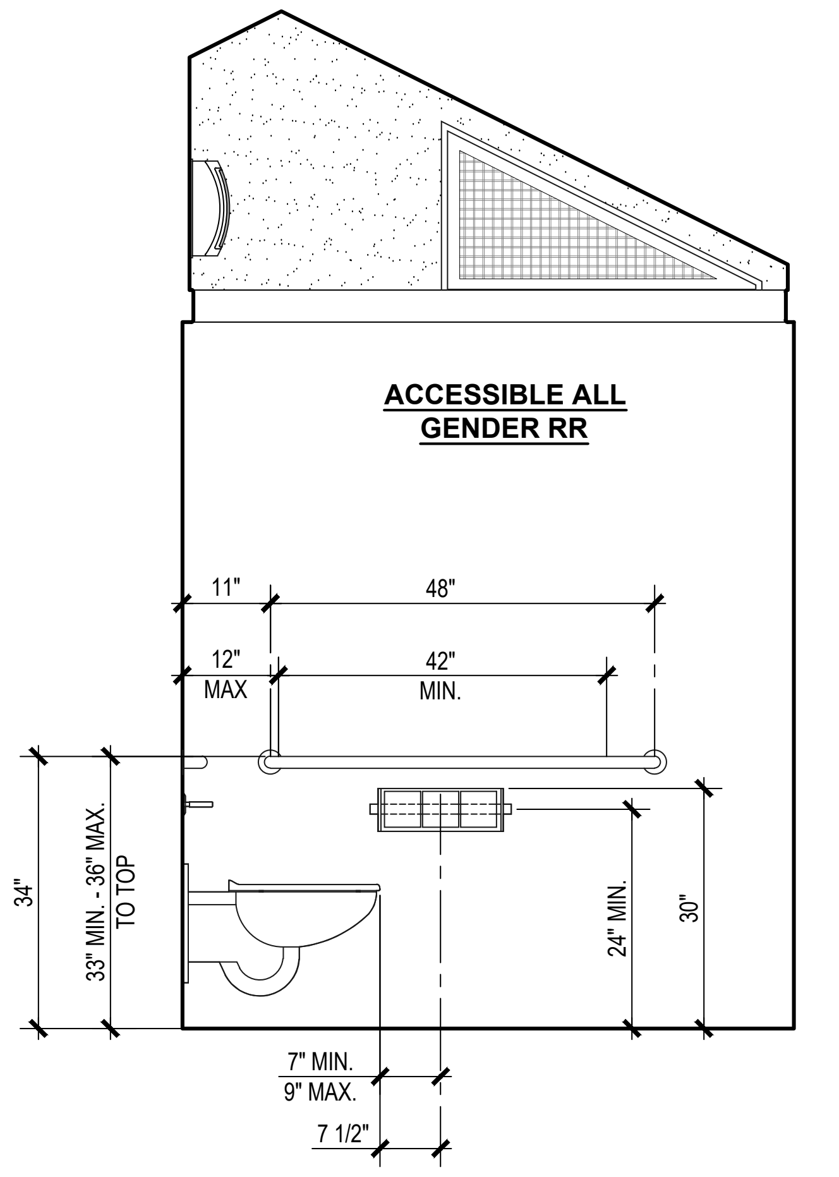
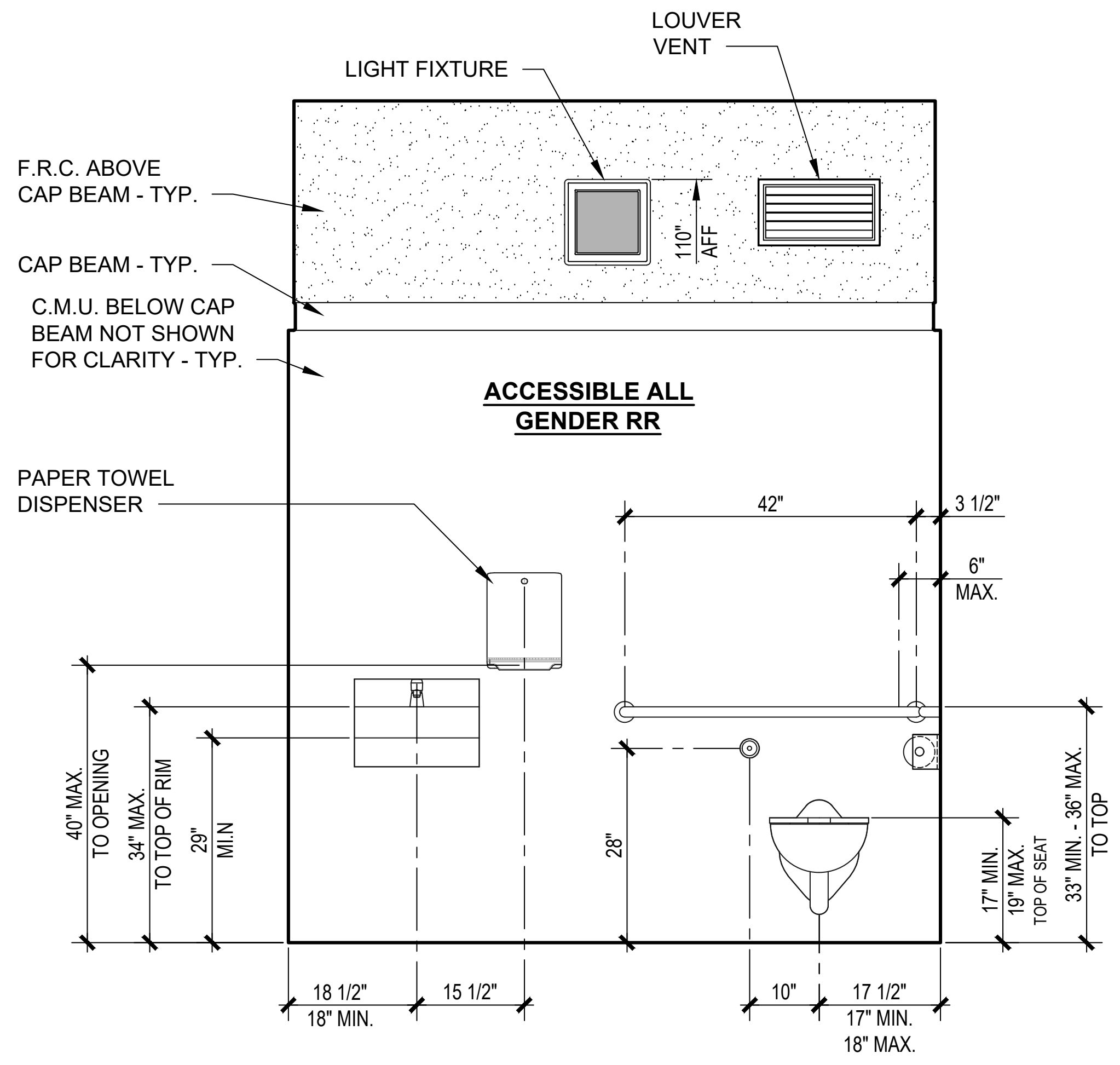
GENERAL SHEET NOTES:

1. LOCATION OF ALL PLUMBING & ELECTRICAL COMPONENTS IN THE MECHANICAL ROOM ARE SUBJECT TO CHANGE, FINAL LOCATIONS TBD.


ACCESSIBLE ALL GENDER RR
11"
48"
12" MAX
42" MIN.
34"
33" MIN. - 36" MAX. TO TOP
24" MIN.
30"
7" MIN.
9" MAX.
7 1/2"

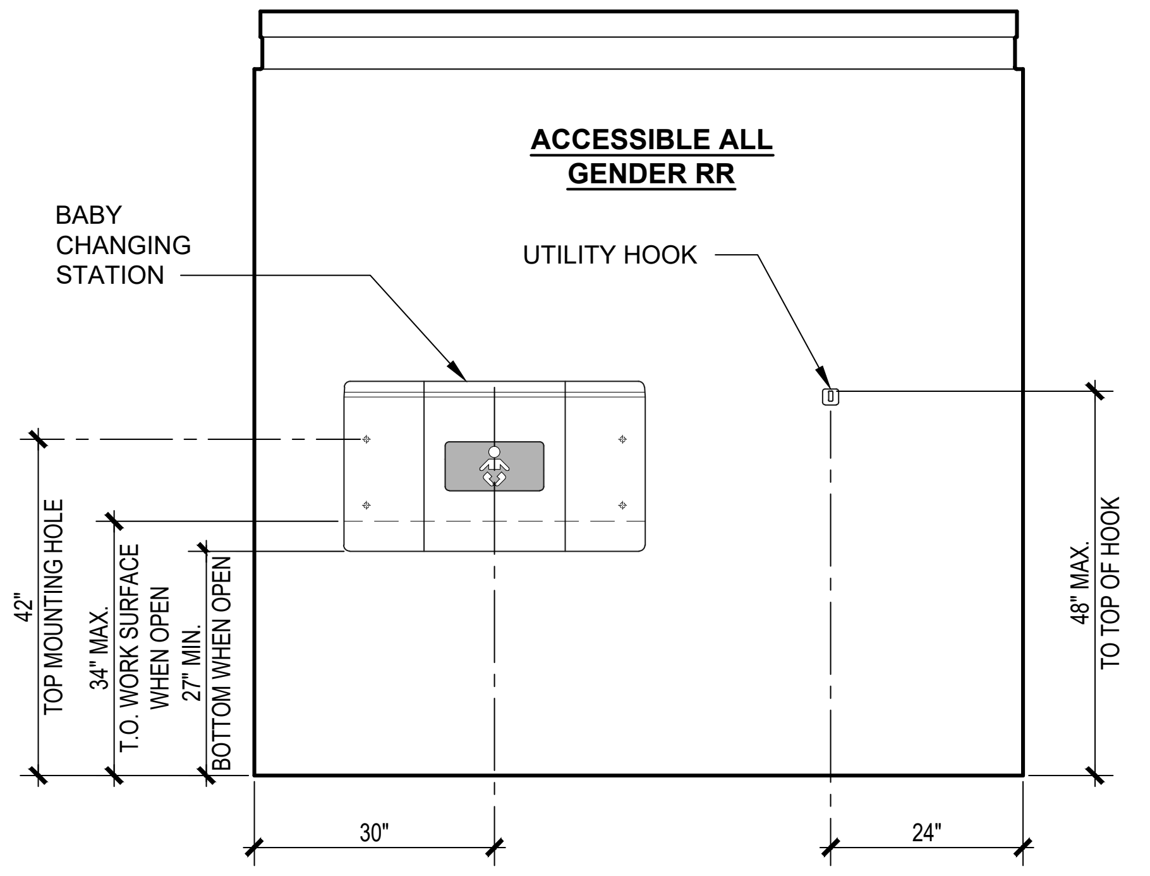
1 / A-3 INTERIOR ELEVATION

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


LOUVER VENT
LIGHT FIXTURE
F.R.C. ABOVE CAP BEAM - TYP.
CAP BEAM - TYP.
C.M.U. BELOW CAP BEAM NOT SHOWN FOR CLARITY - TYP.
110" AFF
ACCESSIBLE ALL GENDER RR
PAPER TOWEL DISPENSER
42"
3 1/2"
6" MAX.
40" MAX. TO OPENING
34" MAX. TO TOP OF RIM
29" MI.N
28"
17" MIN. 19" MAX. TOP OF SEAT
33" MIN. - 36" MAX. TO TOP
18 1/2"
18" MIN.
15 1/2"
10"
17 1/2"
17" MIN.
18" MAX.

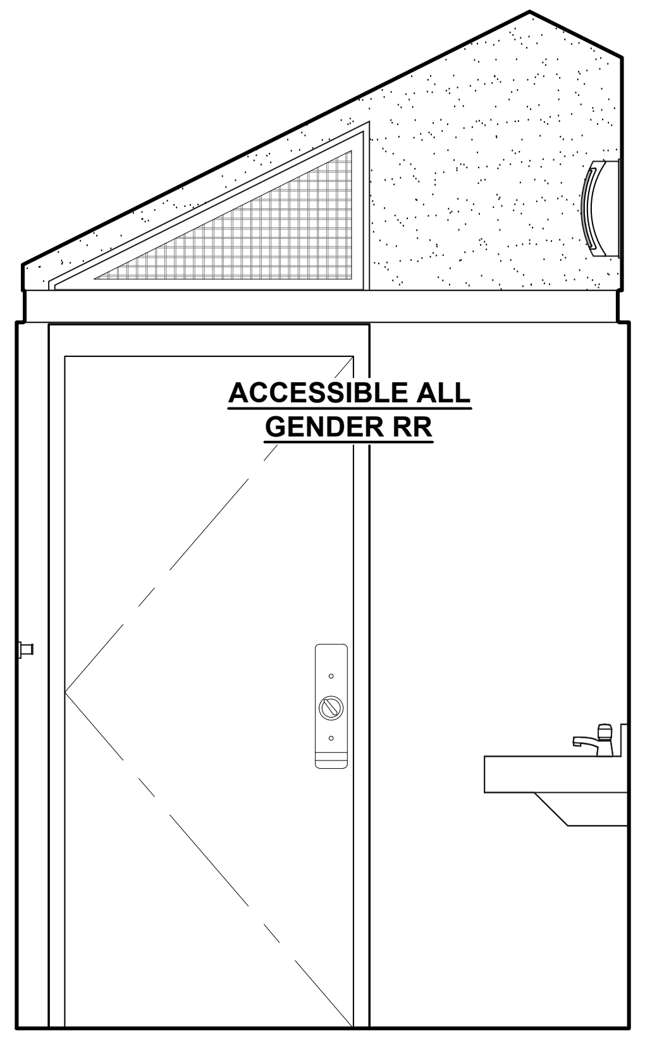
2 / A-3 INTERIOR ELEVATION

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


ACCESSIBLE ALL GENDER RR
BABY CHANGING STATION
UTILITY HOOK
42" TOP MOUNTING HOLE
34" MAX. T.O. WORK SURFACE WHEN OPEN
27" MIN. BOTTOM WHEN OPEN
48" MAX. TO TOP OF HOOK
30"
24"

3 / A-3 INTERIOR ELEVATION

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


ACCESSIBLE ALL GENDER RR

4 / A-3 INTERIOR ELEVATION

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

1

FOR REFERENCE ONLY.

SHEET NOT REVIEWED BY COUNTY OF SAN LUIS OBISPO PUBLIC WORKS.

CONSTRUCTION DOCUMENTS - 03/10/2026

CAMBRIA SKATE PARK - Cambria, CA 93428

10-Mar-26 9:28 AM

No.	Description	Date
1	County of San Luis Obispo Public Works Comments	03/05/2026
2	Front wall changed to 6" masonry	03/09/2026

CONSTRUCTION DOCUMENTS
03/10/2026

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PUBLIC RESTROOM COMPANY
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2587 Business Pkwy, Minden, NV 89423
Ph: 888-888-2060 | Fax: 888-888-1448

PROJECT OWNER:
CAMBRIA COMMUNITY SERVICES DISTRICT
Cambria, CA

PROJECT NAME AND LOCATION:
CAMBRIA SKATE PARK
Cambria, CA 93428

SHEET TITLE:
EQUIPMENT PLAN, INTERIOR ELEVATIONS & SCHEDULES

Drawn by:	DF	Job No.	13119
Checked by:	MM	A-3	
Current Date:	03/10/2026		
Start Date:	11/10/2025		

DO NOT SCALE - DIMENSIONS PRESIDE

PLUMBING COMPONENTS SCHEDULE

QTY.	COMPONENT	DESCRIPTION	PRC #
1	WATER CLOSET - Stainless Steel, Wall Mount	ACORN 1675-W-1-HET 1.28 GPF-FVBO-ADA-PFS-316SS	K1299
1	FLUSH VALVE - Water Closet, Lever Type	ZURN Z6143AV-HET-7L-BG	K1521
1	TOILET SEAT - Black	BEMIS 1955SSCT	K1323
1	LAVATORY - Stainless Steel, Wall Mount, Rear Connect	ACORN 1652-LRB-1-DMS-03-M-316SS	K1099
1	LAVATORY FAUCET - Metered, Tempered	CHICAGO #333-E2805-665 PSHABCP	K1604.5
2	FLOOR DRAIN	ZURN Z451-2ZN-IP2-P13 (1/2 TRAP DIAMETER)	K1701
1	TRAP PRIMER	PROFLO #PFPR500	K1705
1	WATER HEATER - Electric, Tankless	STIEBEL DHC 3-2 CLASSIC	L1318.5
1	THERMOSTATIC TEMPERING VALVE	ACORN MODEL # ST70-12	K1615
1	HOSE BIBB - Interior, Mechanical Room	ACORN #8121-LF	K1575
1	PRESSURE GAUGE - 100 psi.	PROFLO PFXPG100K (FOR DOWNSTREAM)	K1689
1	BACKFLOW PREVENTER - Double Check Valve	WATTS LF007M2-QT-FZ - 1 1/2"	K1569.9
1	PRESSURE GAUGE - 200 psi.	PROFLO PFXPG200K (FOR UPSTREAM)	K1689.5
1	PRESSURE REDUCING VALVE - 1 1/2"	WATTS LF-25AUB-Z3 (Lead Free)	K1559
1	WATER FILTER - 1 1/2"	KEYSTONE CG10	K1591/92/94
1	BALL VALVE - 1 1/2"	NIBCO S-FP-600N	K1566
1	BALL VALVE - 1/2" (Isolation, drain & bleed valve)	NIBCO S-FP-600N	K1560
1	VENT CAP - 3"	SMITH 1748	K1582
1	CURB STOP - 1 1/2"	MUELLER H-15015	K1585
1	BALL VALVE - 1 1/4" - Prep for Future Tank	NIBCO S-FP600A-LF	K1563

PIPE SCHEDULE TYPE OF SERVICE		PIPE MATERIAL						
		PEX PIPE	TYPE "L" COPPER	TYPE "K" COPPER	SCHED. 40 PVC WATER	CAST IRON "NO HUB"	SCHED. 40 PVC DWV	SCHED. 40 ABS DWV
WATER	ABOVE GROUND		✓					
	BELOW GROUND			✓				
SANITARY DRAINAGE	ABOVE GROUND						✓	
	BELOW GROUND						✓	✓
SANITARY VENT	ABOVE GROUND						✓	
	ABOVE ROOF					✓		

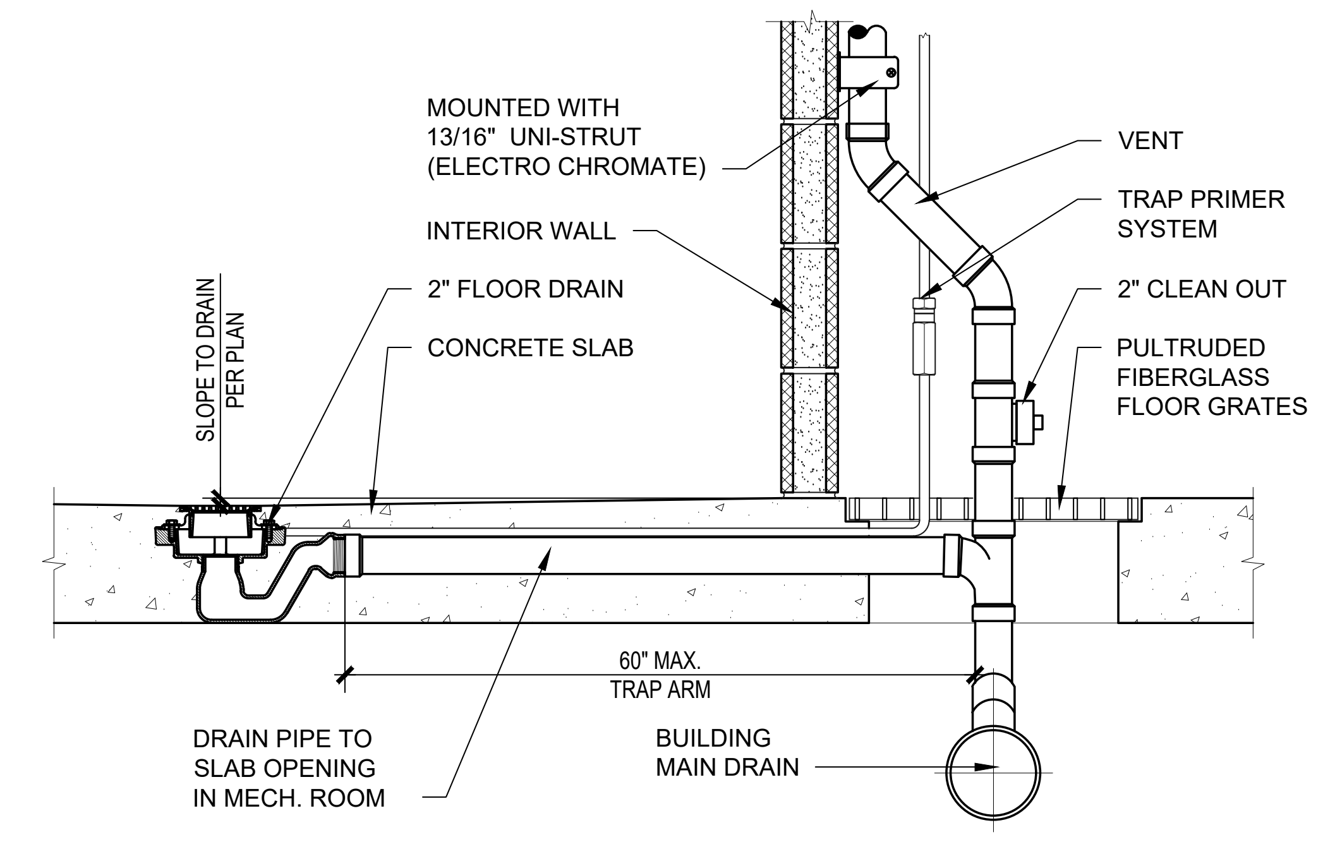
NOTES:

AS PER 2025 CA GREEN BUILDING STANDARDS CHAPTER 5 SECTION 5.303 - INDOOR WATER USE :

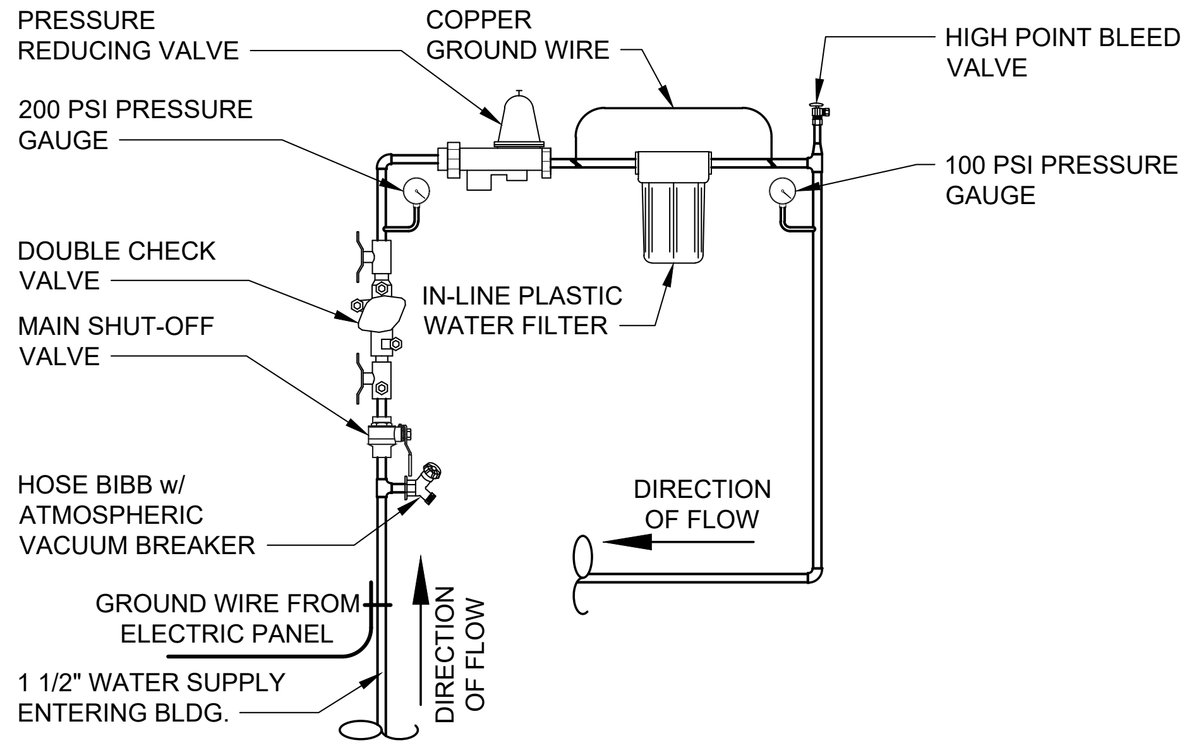
- WATER CLOSET FLUSH VALVE SHALL NOT EXCEED 1.28 GALLONS PER FLUSH.

- LAVATORY METERING FAUCETS SHALL NOT EXCEED 0.20 GALLON PER CYCLE.

- THE EFFECTIVE FLUSH VOLUME OF WALL-MOUNTED URINALS SHALL NOT EXCEED 0.125 GALLONS PER FLUSH.


MOUNTED WITH
13/16" UNI-STRUT
(ELECTRO CHROMATE)
INTERIOR WALL
2" FLOOR DRAIN
CONCRETE SLAB
SLOPE TO DRAIN PER PLAN
VENT
TRAP PRIMER SYSTEM
2" CLEAN OUT
PULTRUDED FIBERGLASS FLOOR GRATES
60" MAX.
TRAP ARM
DRAIN PIPE TO SLAB OPENING IN MECH. ROOM
BUILDING MAIN DRAIN

FLOOR DRAIN DETAIL


PRESSURE REDUCING VALVE
COPPER GROUND WIRE
HIGH POINT BLEED VALVE
200 PSI PRESSURE GAUGE
100 PSI PRESSURE GAUGE
DOUBLE CHECK VALVE
IN-LINE PLASTIC WATER FILTER
MAIN SHUT-OFF VALVE
HOSE BIBB w/ ATMOSPHERIC VACUUM BREAKER
DIRECTION OF FLOW
GROUND WIRE FROM ELECTRIC PANEL
1 1/2" WATER SUPPLY ENTERING BLDG.
DIRECTION OF FLOW

1 1/2" PRV & FILTER COMBO MANIFOLD

LEGEND:

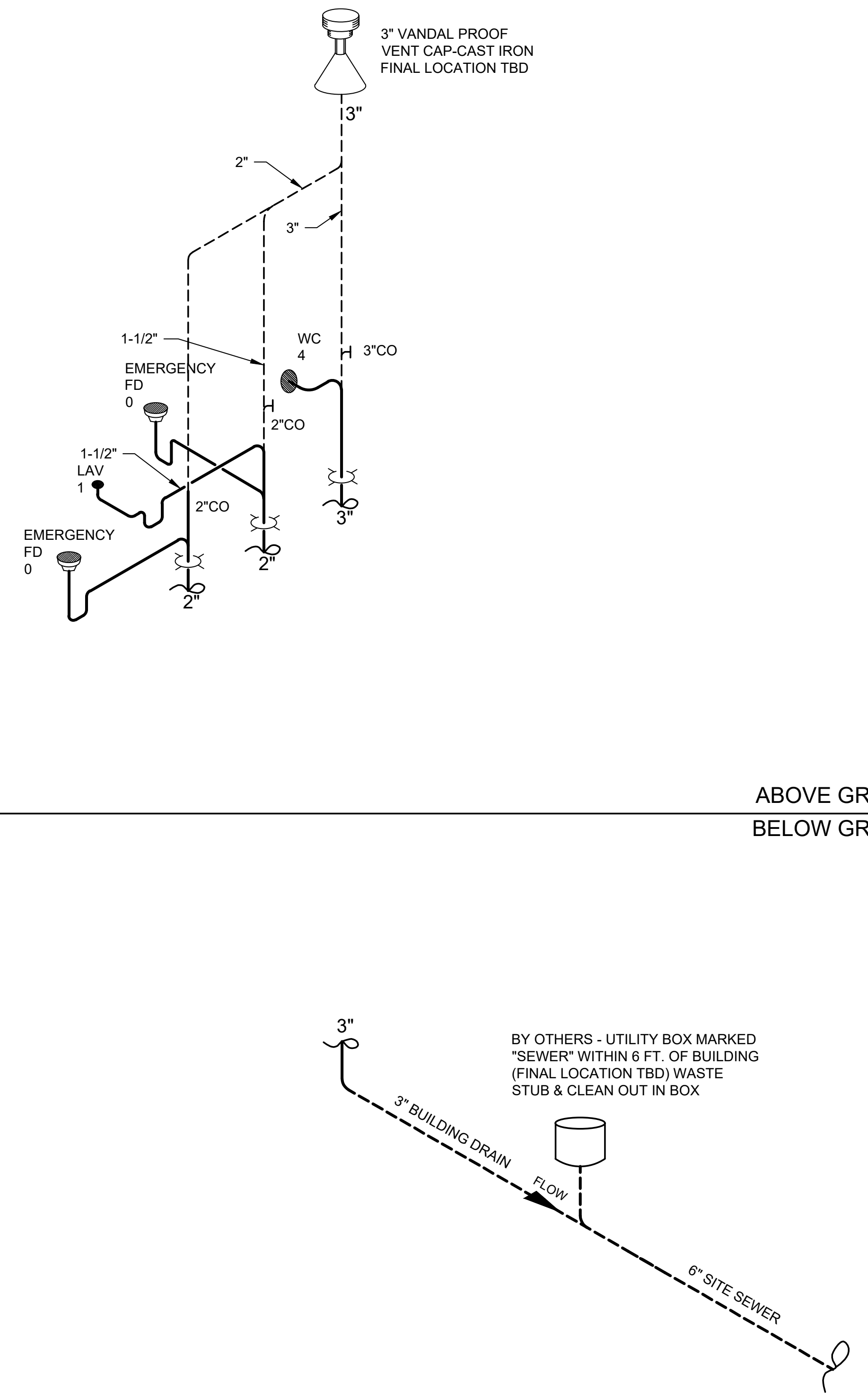
CO = CLEAN OUT

- - - - - - VENT PIPE

——— WASTE PIPE

WASTE AND VENT PIPING:

- FIXTURE UNITS ____________ 5
- SIZE OF BUILDING FLOOR DRAINS ____ 2"
- SIZE OF BUILDING MAIN SEWER ______ 3"
- AGGREGATE AREA ____________ 7.1 SQ. IN.
- SIZE OF MAIN SEWER ____________ 6"


3" VANDAL PROOF
VENT CAP-CAST IRON
FINAL LOCATION TBD
3"
2"
3"
1-1/2"
EMERGENCY FD 0
WC 4
3"CO
2"CO
1-1/2" LAV 1
2"CO
EMERGENCY FD 0
2"
2"
3"
3"
3" BUILDING DRAIN
FLOW
6" SITE SEWER

ABOVE GROUND

BELOW GROUND

GENERAL NOTES:

- CONTINUATION OF WASTE TO MAIN SEWER TO BE DONE ON SITE BY OTHERS.
- V.T.R. SHALL BE CAST IRON WITH VANDAL CAP TO 24" BELOW ROOF.
- LAVATORY TRAPS IN UTILITY CHASE SHALL HAVE DRAIN PLUGS FOR WINTERIZATION.
- SLOPE ALL D.W.V. PIPING 1/4" NOM. DRAIN LINE TO BE SLOPED TO MAIN SEWER LINE.
- INSTALL GRATES AT FLOOR OPENING IF APPLICABLE.

BY OTHERS - UTILITY BOX MARKED "SEWER" WITHIN 6 FT. OF BUILDING (FINAL LOCATION TBD) WASTE STUB & CLEAN OUT IN BOX

4 P-1 WASTE & VENT PIPING ISOMETRIC

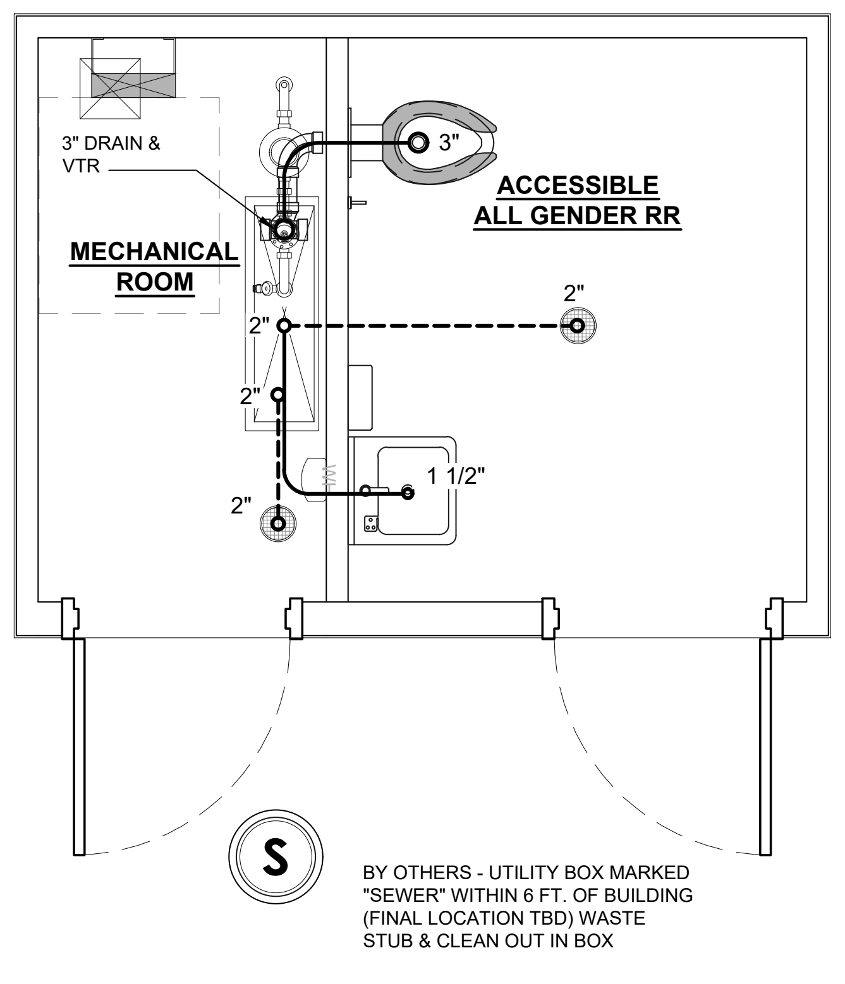
SCALE: NOT TO SCALE

LEGEND:

——— WASTE PIPE - ABOVE GROUND

- - - - - - WASTE PIPE - IN SLAB

NOTE:
BELOW GROUND PLUMBING LAYOUT TO BE DETERMINED BASED ON FINAL UTILITY LOCATION PROVIDED BY OWNER / GENERAL CONTRACTOR


3" DRAIN & VTR
3"
ACCESSIBLE ALL GENDER RR
MECHANICAL ROOM
2"
2"
2"
1 1/2"
2"
S

BY OTHERS - UTILITY BOX MARKED "SEWER" WITHIN 6 FT. OF BUILDING (FINAL LOCATION TBD) WASTE STUB & CLEAN OUT IN BOX

3 P-1 PLUMBING PLAN - WASTE

SCALE: NOT TO SCALE

GENERAL SHEET NOTE:

LOCATION OF ALL PLUMBING COMPONENTS IN THE MECHANICAL ROOM ARE SUBJECT TO CHANGE, FINAL LOCATIONS TBD.

LEGEND:

——— COLD WATER LINE

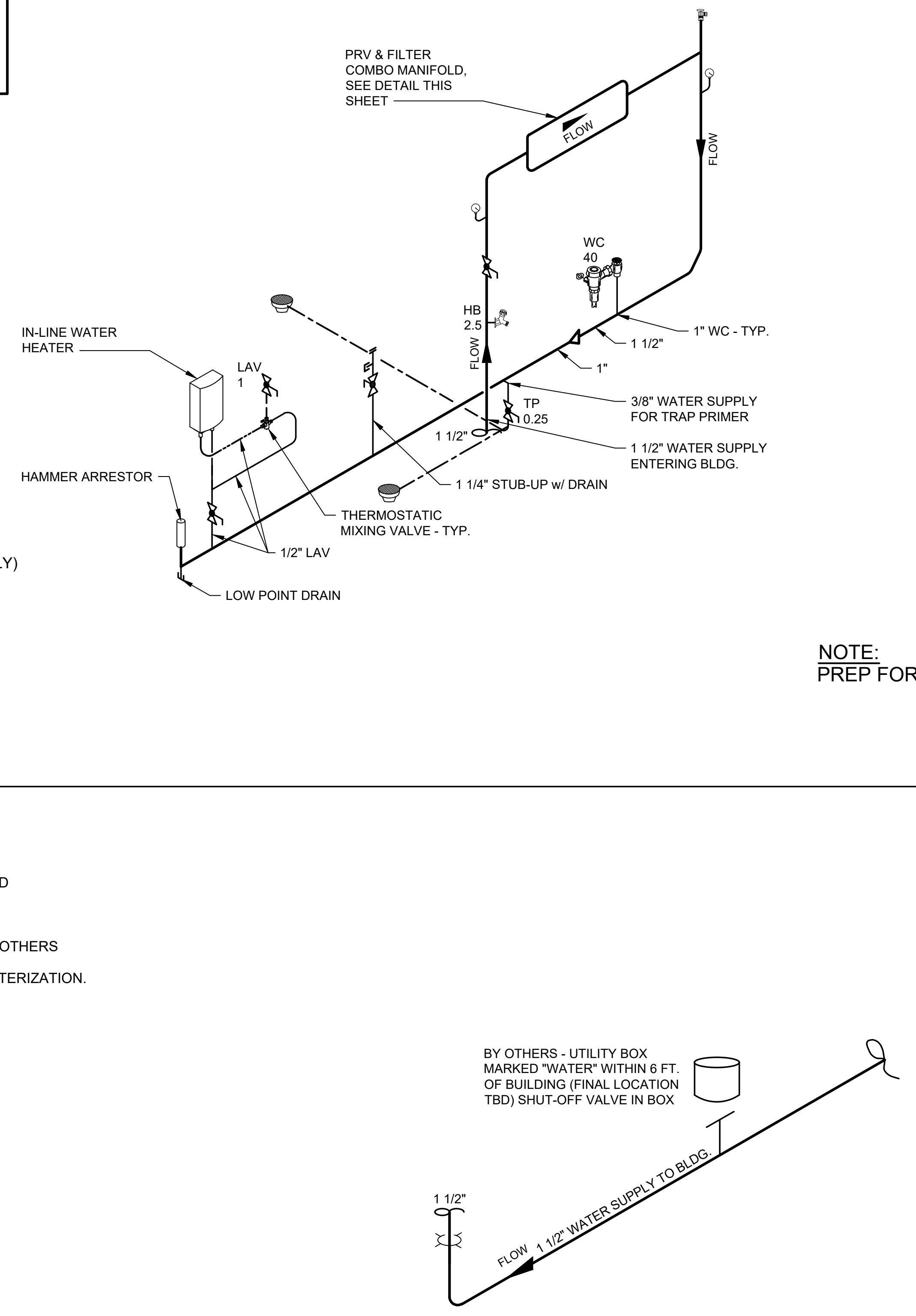
- - - - - - 1/2" TEMPERED WATER LINE INSULATED

—··—··— 1/2" HOT WATER LINE INSULATED

— - — - — 1/2" PEX IN SLAB FOR TRAP PRIMER

WATER PIPING:

- FIXTURE UNITS ____________ 44.75
- DEVELOPED LENGTH ________ 25' (BUILDING ONLY)
- ELEVATION DIFFERENCE ______ 1'-8"
- BUILDING REQ. PRESSURE ______ 46 to 60
- BUILDING WATER SUPPLY SIZE ___ 1 1/2"
- SITE WATER PRESSURE ________ 60 p.s.i. @ POC
- METER SIZE ______________ 2"
- DISTANCE TO METER __________ 155'-6" to POC


PRV & FILTER COMBO MANIFOLD, SEE DETAIL THIS SHEET
FLOW
FLOW
WC 40
HB 2.5
FLOW
IN-LINE WATER HEATER
LAV 1
1" WC - TYP.
1 1/2"
1"
TP 0.25
1 1/2"
3/8" WATER SUPPLY FOR TRAP PRIMER
1 1/2" WATER SUPPLY ENTERING BLDG.
1 1/4" STUB-UP w/ DRAIN
HAMMER ARRESTOR
THERMOSTATIC MIXING VALVE - TYP.
1/2" LAV
LOW POINT DRAIN
1 1/2"
FLOW
1 1/2" WATER SUPPLY TO BLDG.

NOTE:
PREP FOR DIAPHRAGM TANK

ABOVE GROUND

BELOW GROUND

GENERAL NOTES:

- HOT & TEMPERED WATER LINES (IF ANY) TO BE INSULATED
- HAMMER ARRESTORS INSTALLED TO CODE
- CONTINUATION OF WATER MAIN TO BE DONE ON SITE BY OTHERS
- SLOPE ALL WATER PIPING TO LOW POINT DRAIN FOR WINTERIZATION.

BY OTHERS - UTILITY BOX MARKED "WATER" WITHIN 6 FT. OF BUILDING (FINAL LOCATION TBD) SHUT-OFF VALVE IN BOX

2 P-1 WATER PIPING ISOMETRIC

SCALE: NOT TO SCALE

LEGEND:

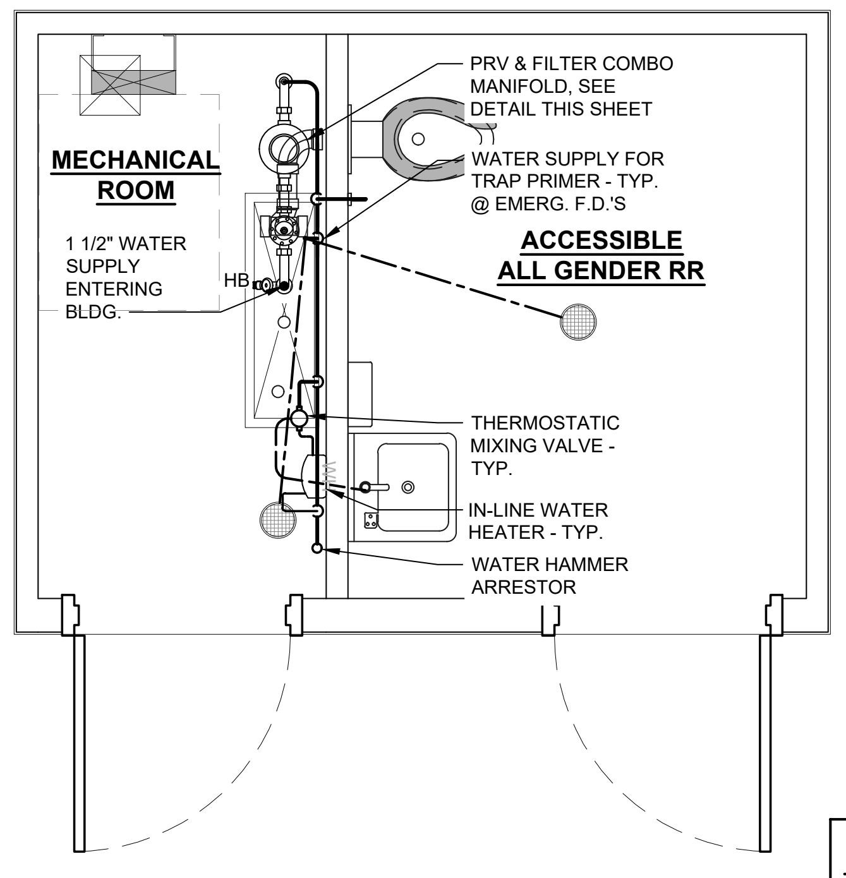
- - - - - - WATER MAIN - BELOW GROUND

——— COLD WATER LINE

- - - - - - 1/2" TEMPERED WATER LINE INSULATED

— - — - — 1/2" PEX IN SLAB FOR TRAP PRIMER

NOTE:
BELOW GROUND PLUMBING LAYOUT TO BE DETERMINED BASED ON FINAL UTILITY LOCATION PROVIDED BY OWNER / GENERAL CONTRACTOR


PRV & FILTER COMBO MANIFOLD, SEE DETAIL THIS SHEET
MECHANICAL ROOM
WATER SUPPLY FOR TRAP PRIMER - TYP. @ EMERG. F.D.'S
ACCESSIBLE ALL GENDER RR
1 1/2" WATER SUPPLY ENTERING BLDG.
HB
THERMOSTATIC MIXING VALVE - TYP.
IN-LINE WATER HEATER - TYP.
WATER HAMMER ARRESTOR

W

BY OTHERS - UTILITY BOX MARKED "WATER" WITHIN 6 FT. OF BUILDING (FINAL LOCATION TBD) SHUT-OFF VALVE IN BOX

1

FOR REFERENCE ONLY.

SHEET NOT REVIEWED BY COUNTY OF SAN LUIS OBISPO PUBLIC WORKS.

1 P-1 PLUMBING PLAN - WATER SUPPLY

SCALE: NOT TO SCALE

No.	Description	Date
1	County of San Luis Obispo Public Works Comments	03/05/2026
2	Front wall changed to 6" masonry	03/09/2026

10-Mar-26 9:28 AM

CONSTRUCTION DOCUMENTS
03/10/2026

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Ph: 888-888-2060 | Fax: 888-888-1448

PROJECT OWNER:
CAMBRIA COMMUNITY SERVICES DISTRICT
Cambria, CA

PROJECT NAME AND LOCATION:
CAMBRIA SKATE PARK
Cambria, CA 93428

SHEET TITLE:
PLUMBING PLANS & SCHEDULES

Drawn by:	DF	Job No. 13119
Checked by:	MM	P-1
Current Date:	03/10/2026	
Start Date:	11/10/2025	

DO NOT SCALE - DIMENSIONS PRESIDE

PUBLIC RESTROOM COMPANY
Building Better Places To Go.

ELECTRICAL COMPONENTS SCHEDULE

SYMBOL	QTY.	RATING	DESCRIPTION	MODEL	HEIGHT TO TOP	COMMENTS	PRC #
ELECTRICAL PANEL	1	100 AMP MAIN BREAKER	120/240 SINGLE PHASE w/ PLUG-ON BREAKERS; NEMA 1 ENCLOSURE	SQUARE D QO120M100P (OR EQUAL)	72" A.F.F. TOP OF PANEL	FURRED OUT AS NEEDED, BOTTOM TO BE +54"	L1902
LIGHT - RESTROOM OCC	1	15 WATTS	15 WATT LED	LUMINAIRE SWP1212-NODIM-15W-40K-120-OP-BRZ-OCC	SEE SHEET A-3	BUILT-IN OCCUPANCY SENSOR / BYPASS SWITCH	L1168.5
LIGHT - EXTERIOR	2	10 WATTS	10 WATT LED	LUMINAIRE AEL-12-NODIM-10W-40K-120-DP-BZH	MOUNTED ON CAP BEAM	ON TIME CLOCK / BYPASS SWITCH	L1162.5
LIGHT- MECHANICAL ROOM	1	15 WATTS	15 WATT LED	GREENLIGHTING AL-41L (SINGLE TUBE)	CEILING MOUNTED	MANUAL ON/OFF SWITCH w/ OCCUPANCY SENSOR; BOTTOM TO BE +54"	L1106
EMERGENCY LIGHT	1	3 WATTS	EMERGENCY LIGHT	LITHONIA MODEL #ELM2L (OR EQUAL)	ABOVE CAP BEAM	WIRE AHEAD OF SWITCH	L1198
RECEPTACLE - GFCI GFCI	1	1500 WATTS	20 AMP GFCI RECEPTACLE	LEVITON GFNT2-W	+54" A.F.F. TO BOTTOM	-	L1876
SWITCH	1	-	SINGLE POLE MANUAL ON/OFF SWITCH	LEVITON 1221-2W	MIN. +54" A.F.F. TO BOTTOM	MECHANICAL ROOM LIGHT	L1868
SWITCH	1	-	SINGLE POLE MANUAL ON/OFF SWITCH	LEVITON 1221-2W	MIN. +54" A.F.F. TO BOTTOM	BYPASS SWITCH FOR RESTROOM LIGHTING	L1868
SWITCH	1	-	SINGLE POLE MANUAL ON/OFF SWITCH	LEVITON 1221-2R	MIN. +54" A.F.F. TO BOTTOM	BYPASS SWITCH FOR EXTERIOR BUILDING LIGHTS	L1870
TIME CLOCK TC	1	-	7-DAY 1-CIRCUIT ELECTRONIC ASTRONOMIC TIME SWITCH	INTERMATIC ET8015C	MIN. +54" A.F.F. TO BOTTOM	CONTROLS EXTERIOR LIGHTING	L1882.5
WATER HEATER WH	1	3300 WATTS	IN-LINE WATER HEATER	STEIBEL DHC-3-2 - CLASSIC	-	-	L1318.5

LIGHTING CONTROLS SCHEDULE

AREA	CONTROLS
RESTROOM	OCCUPANCY SENSOR BUILT-IN TO LIGHT FIXTURE / BYPASS SWITCH "ON" OVERRIDES OCC. SENSOR FOR MAINTENANCE
MECHANICAL ROOM	MANUAL ON/OFF SWITCH (AREA HOUSES ELECTRICAL EQUIPMENT)
EXTERIOR	TIME CLOCK / BYPASS SWITCH "ON" OVERRIDES TIME CLOCK FOR MAINTENANCE

NOTES:

1. ALL CONDUCTORS ARE INSULATED THHN COPPER WIRES.
2. PROVIDE MAIN CIRCUIT BREAKER PANEL BOARD TO BE SUFFICIENTLY RATED TO WITHSTAND MAXIMUM AVAILABLE AT SITE PER AMEREN; MINIMUM 22 KAIC.
3. WIRING METHOD IN METALLIC CONDUIT. (MC CABLE, EMT, METALLIC FLEX.
4. INSTALL CEE GROUND IN SLAB, TERMINATING IN MECHANICAL ROOM.
5. GREEN GROUNDING CONDUCTOR IN ALL RACEWAYS.

PANEL SCHEDULE

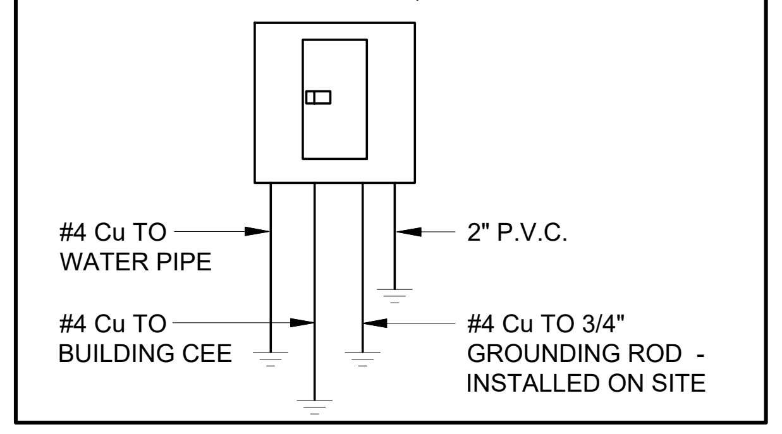
120/240V - SINGLE PHASE - 3 WIRE					MAIN BREAKER		MAIN SCCR: 22,000 / BRANCH AIR: 10,000 - SERIES RATED TO MAIN				
CKT	DESCRIPTION	CIR. BREAKER TRIP AMPS	WIRE SIZE	TOTAL V.A.	100 AMP		TOTAL V.A.	WIRE SIZE	CIR. BREAKER TRIP AMPS	DESCRIPTION	CKT
1	WATER HEATER / RR-1	20	12	1650			1500	12	20	DEDICATED DUPLEX RECEPTACLE - GFCI	2
3	" "	"	"	1650			18	12	20	MECHANICAL ROOM LIGHTS	4
5	EXTERIOR BUILDING LIGHTS	20	12	20			1				6
7	RESTROOM LIGHT	20	12	15			1				8
9							1				10
11				1			1				12
13				1			1				14
15				1			1				16
17				1			1				18
19				1			1				20
CONNECTED LOAD: PHASE A				TOTAL LOAD	1690	3176	TOTAL LOAD	CONNECTED LOAD: PHASE B			
				TOTAL AMPS	14.083	26.467	TOTAL AMPS				

ELECTRICAL LOAD CALCULATIONS

PANEL: 120/240 VOLTS		SINGLE PHASE	100 AMP MAIN BREAKER		
COMPONENT		CONNECTED LOAD (V.A.)	CALCULATED LOAD (V.A.)		
EXTERIOR LIGHTING		20	CONNECTED LOAD x 1.25		25.00
INTERIOR LIGHTING		33	CONNECTED LOAD x 1.25		41.25
(1) WATER HEATER		3300	CONNECTED LOAD x 1.00		3300.00
(1) DEDICATED RECEPTACLE - GFCI		1500	CONNECTED LOAD x 1.00		1500.00
TOTAL LOAD		**4853**	**TOTAL LOAD**		**4866.25**
TOTAL CONNECTED LOAD	**KVA**	**4.853**	**TOTAL CALCULATED LOAD**	**KVA**	**4.866**
	AMPS	**20.221**		**AMPS**	**20.276**

ONE-LINE DIAGRAM

100 AMP PANEL
MAIN BREAKER
120/240 1Ø , 3W
UFER GROUND REQUIRED

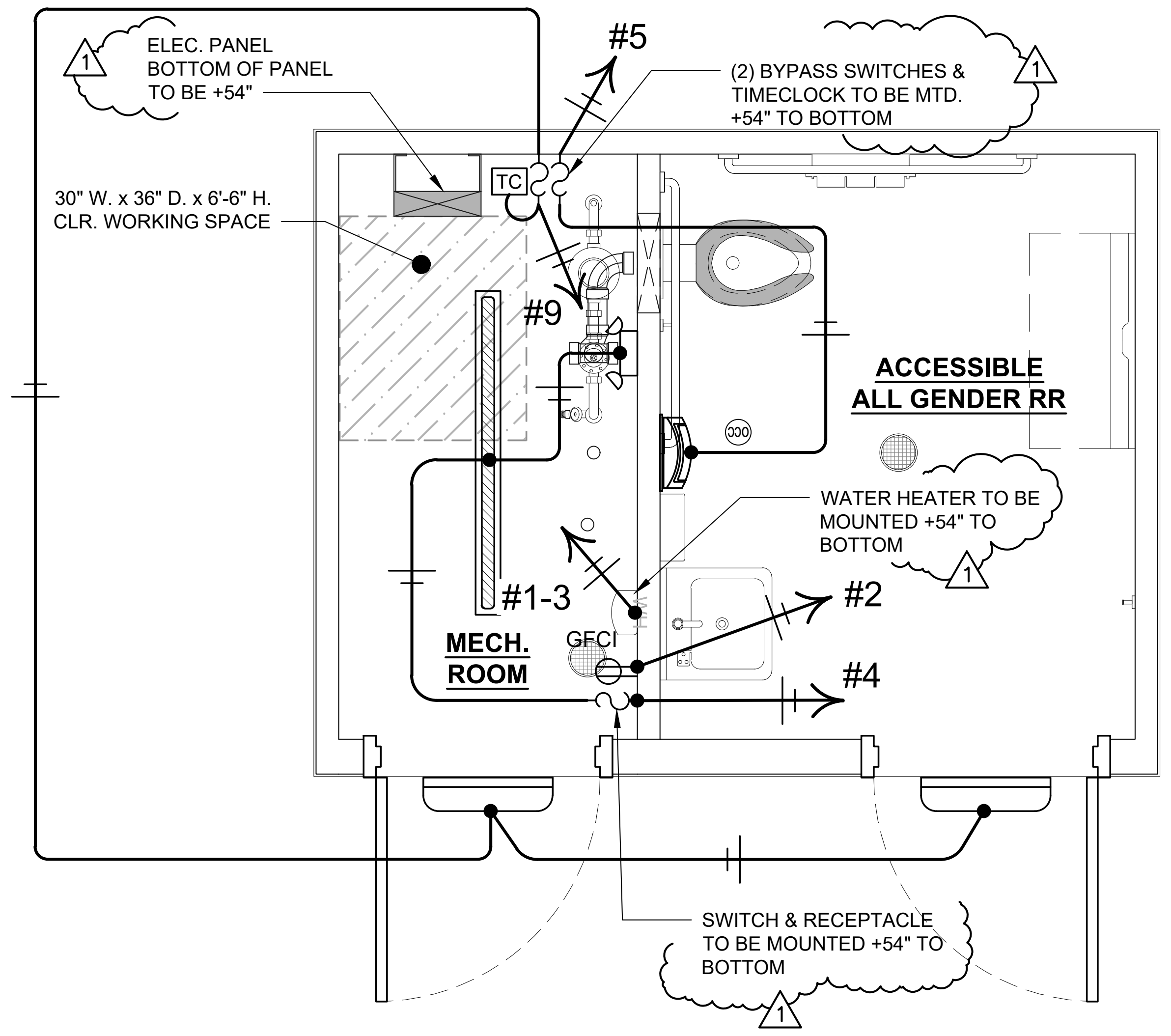


FLOOD NOTES:

THE BOTTOM ELEVATION OF ALL ELECTRICAL COMPONENTS SHALL BE LOCATED @ BFE+1'
BFE = 3.4' + 1' = 4.4' OR 54"

FOR BURIED COMPNENTS AND OTHER ELECTRICAL COMPONENTS, REFER TO ASCE 7-24.

BY OTHERS - UTILITY BOX MARKED "ELECTRIC" - WITHIN 6 FT. OF BUILDING (FINAL LOCATION TBD)


1
ELEC. PANEL BOTTOM OF PANEL TO BE +54"
#5
(2) BYPASS SWITCHES & TIMECLOCK TO BE MTD. +54" TO BOTTOM
1
TC
30" W. x 36" D. x 6'-6" H. CLR. WORKING SPACE
#9
ACCESSIBLE ALL GENDER RR
OCC
WATER HEATER TO BE MOUNTED +54" TO BOTTOM
1
#1-3
#2
MECH. ROOM
GFCI
#4
SWITCH & RECEPTACLE TO BE MOUNTED +54" TO BOTTOM
1

1
E-1
ELECTRICAL PLAN
SCALE: NOT TO SCALE

COUNTY OF SAN LUIS OBISPO PUBLIC WORKS REVIEW / APPROVAL FOR ELEVATION OF ELECTRICAL COMPONENTS; DRY FLOOD PROOFING COMPONENTS AND MATERIALS; AND FLOOD RESISTANT STRUCTURAL DESIGN ONLY.

No.	Description	Date
1	County of San Luis Obispo Public Works Comments	03/05/2026
2	Front wall changed to 6" masonry	03/09/2026

CONSTRUCTION DOCUMENTS
03/10/2026

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PROJECT OWNER:
CAMBRIA COMMUNITY SERVICES DISTRICT
Cambria, CA

PROJECT NAME AND LOCATION:
CAMBRIA SKATE PARK
Cambria, CA 93428

SHEET TITLE:
ELECTRICAL PLAN & SCHEDULES

Drawn by:	DF	Job No.	13119
Checked by:	MM	E-1	
Current Date:	03/10/2026		
Start Date:	11/10/2025		

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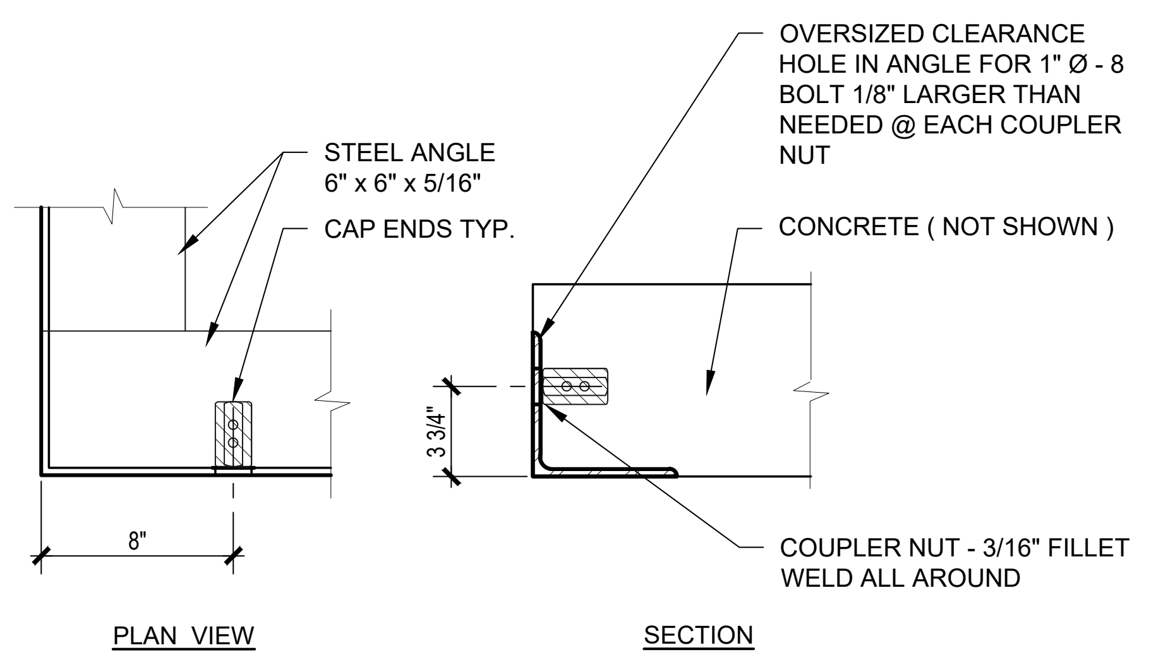
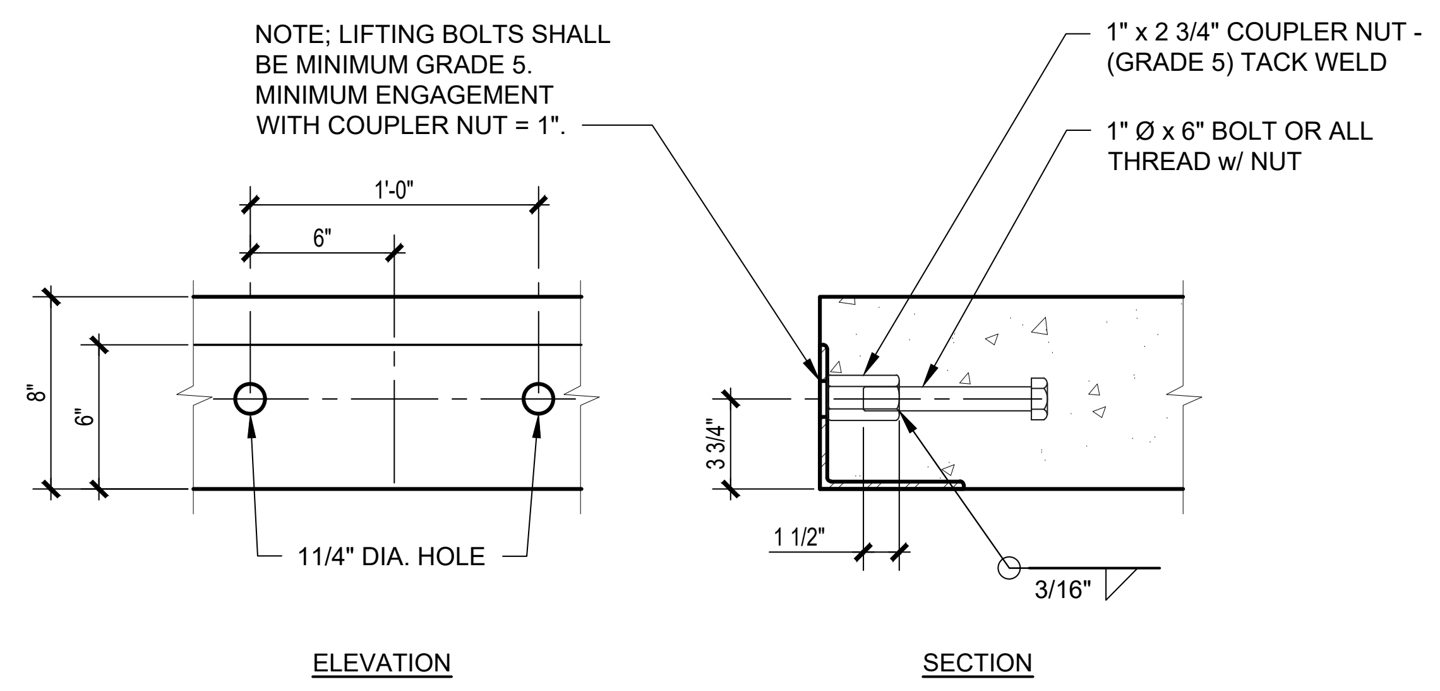

STEEL ANGLE
6" x 6" x 5/16"
CAP ENDS TYP.
OVERSIZED CLEARANCE HOLE IN ANGLE FOR 1" Ø - 8 BOLT 1/8" LARGER THAN NEEDED @ EACH COUPLER NUT
CONCRETE (NOT SHOWN)
COUPLER NUT - 3/16" FILLET WELD ALL AROUND
8"
3 3/4"
PLAN VIEW
SECTION

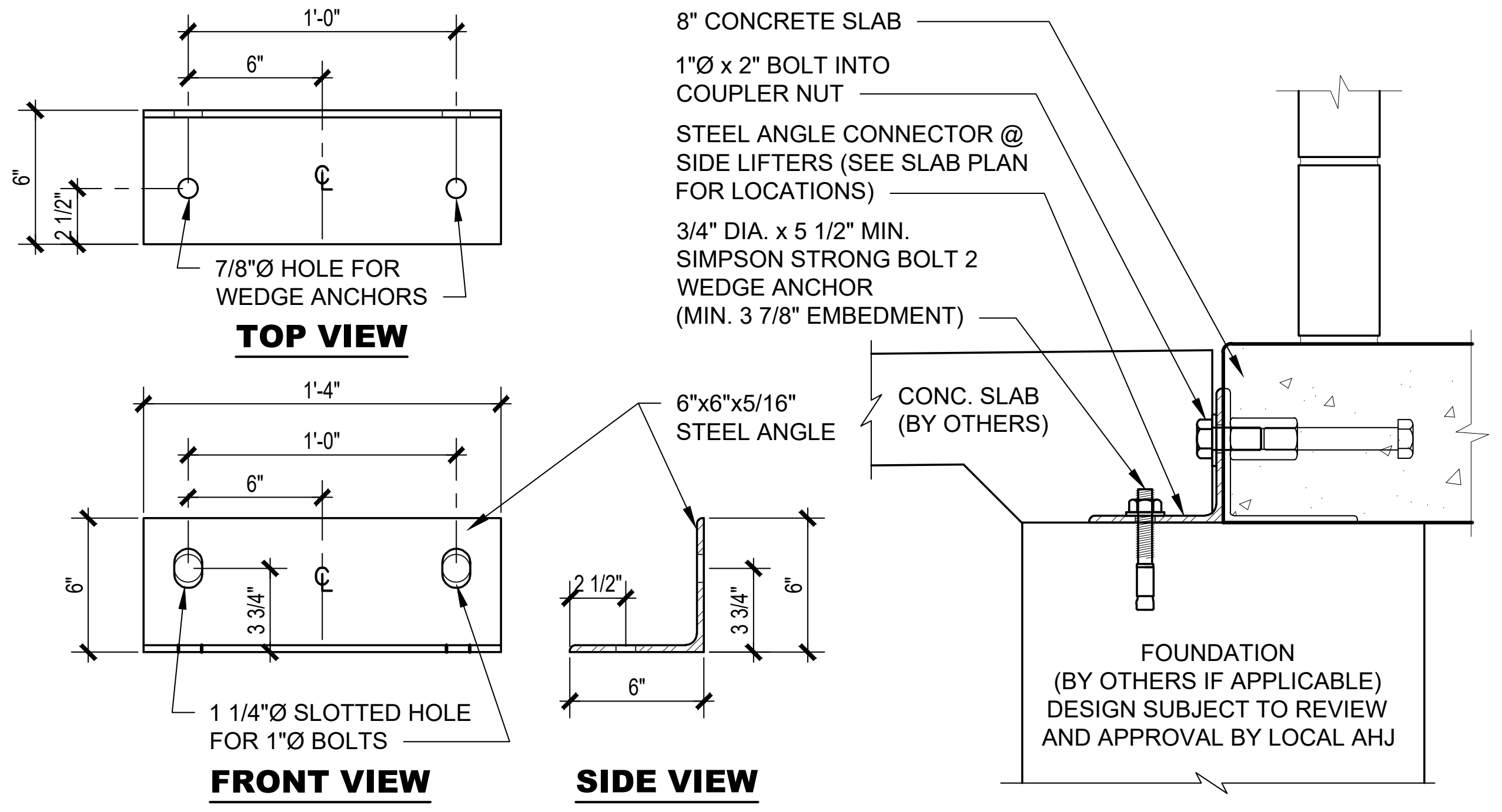
CONCRETE SLAB EXTERIOR STEEL FRAME @ CORNER DETAIL

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


NOTE; LIFTING BOLTS SHALL BE MINIMUM GRADE 5. MINIMUM ENGAGEMENT WITH COUPLER NUT = 1".
1" x 2 3/4" COUPLER NUT - (GRADE 5) TACK WELD
1" Ø x 6" BOLT OR ALL THREAD w/ NUT
1'-0"
6"
8"
6"
11/4" DIA. HOLE
3 3/4"
1 1/2"
3/16"
ELEVATION
SECTION

RIGGING EMBEDDED ANCHOR DETAIL

3
S-1
SCALE: 1 1/2"=1'-0"


1'-0"
6"
6"
2 1/2"
7/8"Ø HOLE FOR WEDGE ANCHORS
TOP VIEW
1'-4"
1'-0"
6"
6"
3 3/4"
1 1/4"Ø SLOTTED HOLE FOR 1"Ø BOLTS
FRONT VIEW
6"x6"x5/16" STEEL ANGLE
2 1/2"
3 3/4"
6"
6"
SIDE VIEW
8" CONCRETE SLAB
1"Ø x 2" BOLT INTO COUPLER NUT
STEEL ANGLE CONNECTOR @ SIDE LIFTERS (SEE SLAB PLAN FOR LOCATIONS)
3/4" DIA. x 5 1/2" MIN. SIMPSON STRONG BOLT 2 WEDGE ANCHOR (MIN. 3 7/8" EMBEDMENT)
CONC. SLAB (BY OTHERS)
FOUNDATION (BY OTHERS IF APPLICABLE) DESIGN SUBJECT TO REVIEW AND APPROVAL BY LOCAL AHJ

SLAB TO FOOTING CONNECTION DETAIL

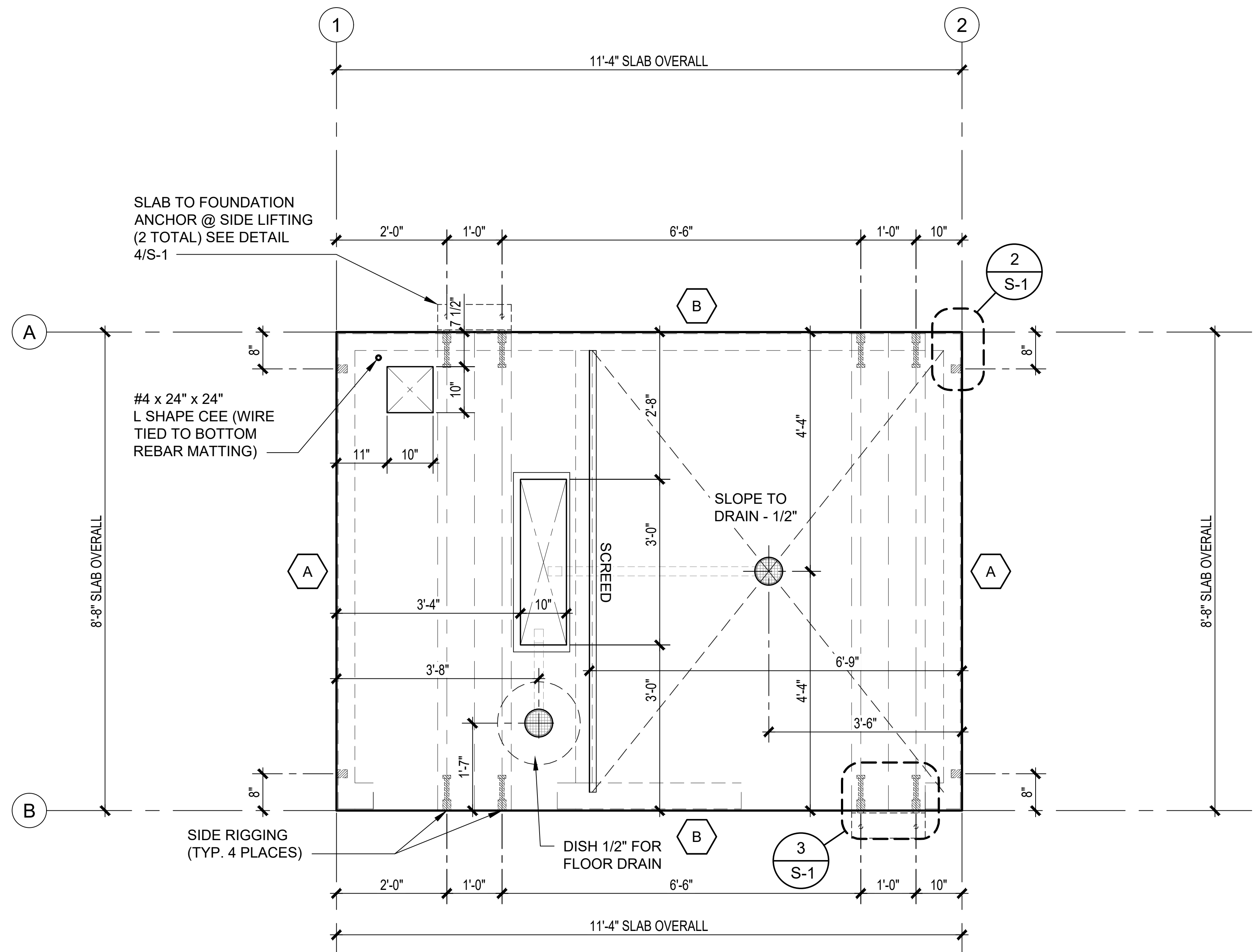
4
S-1
SCALE: 1 1/2"=1'-0"

NOTES: (LIGHT WEIGHT CONCRETE)

1. SLAB REINFORCEMENT:
   PERIMETER - (2) #5 BARS @ 8" O.C. TOP & BOTTOM.
   TOP MAT - #4 BARS @ 8" O.C. EACH WAY.
   BOTTOM MAT - #4 BARS @ 16" O.C. EACH WAY.
   LIFTING LOCATIONS - (3) #5 BARS @ 8" O.C. TOP & BOTTOM.
2. ALL REBAR TO BE GRADE 60.
3. ALL WELDABLE REINFORCEMENTS TO BE ASTM A706.
4. CONCRETE STRENGTH BASIS DESIGN IS MIN. 2500 PSI WITH SPECIAL ADDITIVE.
5. MINIMUM CONCRETE COVER = 1 1/2" FOR #4 AND #5 BARS.TOP BARS MAY BE LOWER ONLY WHERE REQUIRED BY SPECIFIED SLOPES.
6. REBAR SPLICES: #4 BARS - 20" LAP / #5 BARS - 24" LAP
7. TOP MAT: ADD TRIMMER BARS NEXT TO BLOCK OUTS IF CLEARANCE TO REGULAR LAYOUT IS GREATER THAN 2". TRIMMER BARS EXTEND 18" PAST OPENING, OR TERMINATE WITH 90° HOOK AND 8" EXTENSION. CENTER OF TRIMMER BARS TO BLOCK OUTS TO BE 2", TYP.
8. PROVIDE (2) DIAGONAL 24" LONG #4 REBARS (1 @ TOP MAT & 1 @ BOTTOM MAT) @ EACH SLAB OPENING.
9. SMALL BLOCK OUTS (8" x 8" MAX.) MAY BE ADDED AS REQUIRED FOR SERVICES. ADD DIAGONAL TRIMMER BARS IF CLEARANCE TO REGULAR LAYOUT IS GREATER THAN 2".
10. PROTECT PIPE & FLOOR DRAINS THAT WILL BE ENCASED IN THE CONCRETE BY PROVIDING AN APPROVED WRAP.
11. ONLY WHERE NOTED, IT IS ACCEPTABLE TO NOTCH HORIZONTAL LEG OF PERIMETER ANGLE.
12. ALL EXPOSED FACES OF SLAB PERIMETER STEEL ANGLES SHALL RECEIVE GALVANIZING PAINT COATING.

SLAB LOADS SCHEDULE

MARK	LOCATION	VERTICAL LOAD	LATERAL LOAD
A	WALL LINE (GRID) 1 & 2	404 plf	1339 lbf
B	WALL LINE (GRID) A & B	455 plf	2020 lbf


1
2
A
B
11'-4" SLAB OVERALL
8'-8" SLAB OVERALL
SLAB TO FOUNDATION ANCHOR @ SIDE LIFTING (2 TOTAL) SEE DETAIL 4/S-1
#4 x 24" x 24" L SHAPE CEE (WIRE TIED TO BOTTOM REBAR MATTING)
2'-0"
1'-0"
6'-6"
1'-0"
10"
7 1/2"
8"
10"
11"
10"
2'-8"
4'-4"
SLOPE TO DRAIN - 1/2"
3'-0"
SCREED
3'-4"
10"
3'-8"
6'-9"
3'-0"
4'-4"
3'-6"
1'-7"
SIDE RIGGING (TYP. 4 PLACES)
DISH 1/2" FOR FLOOR DRAIN
2
S-1
3
S-1

CONCRETE SLAB PLAN

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

1

COUNTY OF SAN LUIS OBISPO PUBLIC WORKS REVIEW / APPROVAL FOR ELEVATION OF ELECTRICAL COMPONENTS; DRY FLOOD PROOFING COMPONENTS AND MATERIALS; AND FLOOD RESISTANT STRUCTURAL DESIGN ONLY.

STRUCTURAL ONLY

This certification is for structural design only. All other matters of code compliance including but not limited to allowable area, fire resistance, and egress are the responsibility of others.

ERIC J. TOMPOS
No. C70218
Exp. 09-30-2026
CIVIL
03/11/2026

ICC NTA, LLC, 305 N. Oakland Ave
Nappanee, IN 46550
COA: 33677

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SHEET TITLE:
CONCRETE SLAB PLAN & DETAILS

Drawn by:	DF	Job No.	13119
Checked by:	MM		S-1
Current Date:	03/10/2026		
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DO NOT SCALE - DIMENSIONS PRESIDE

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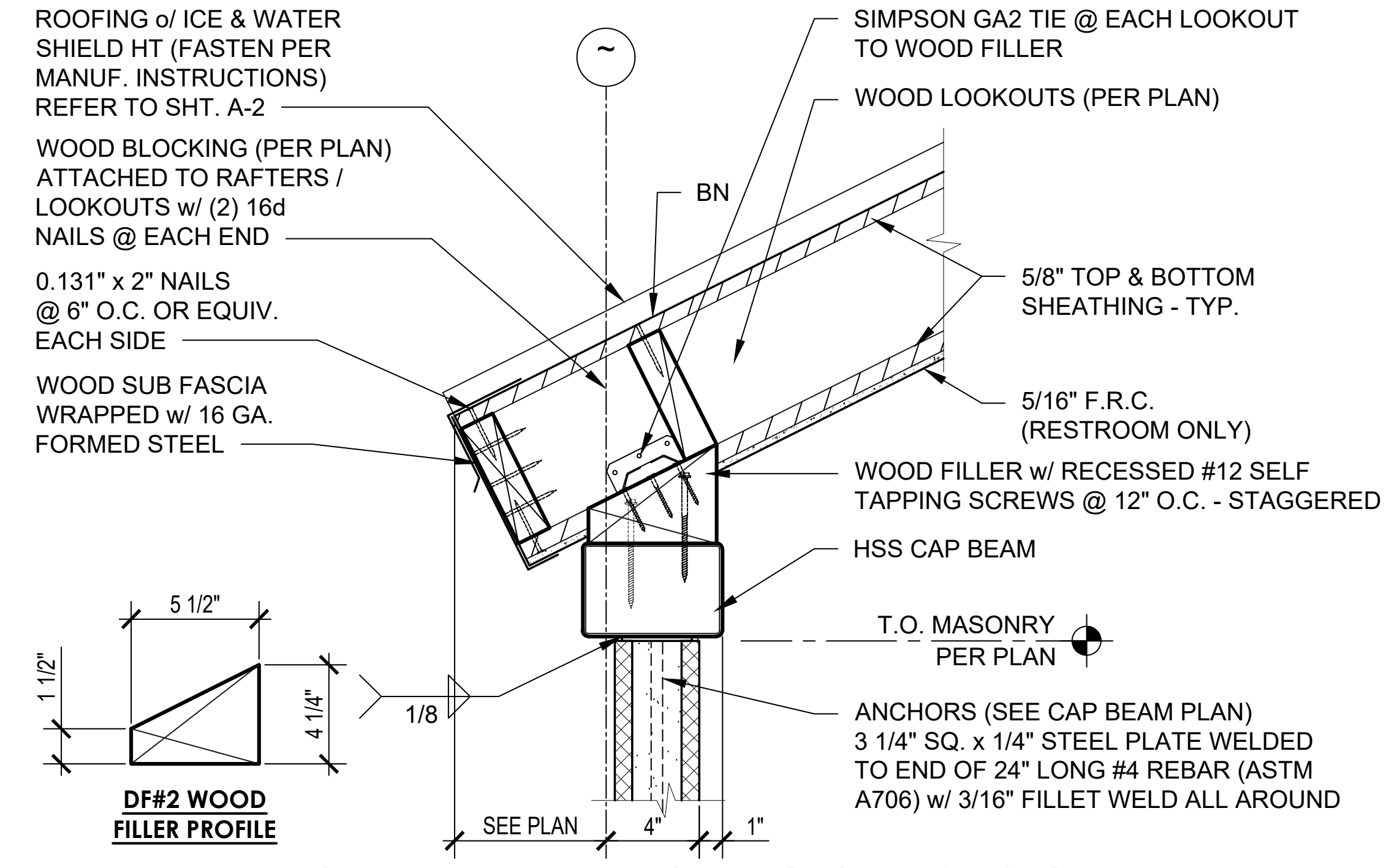
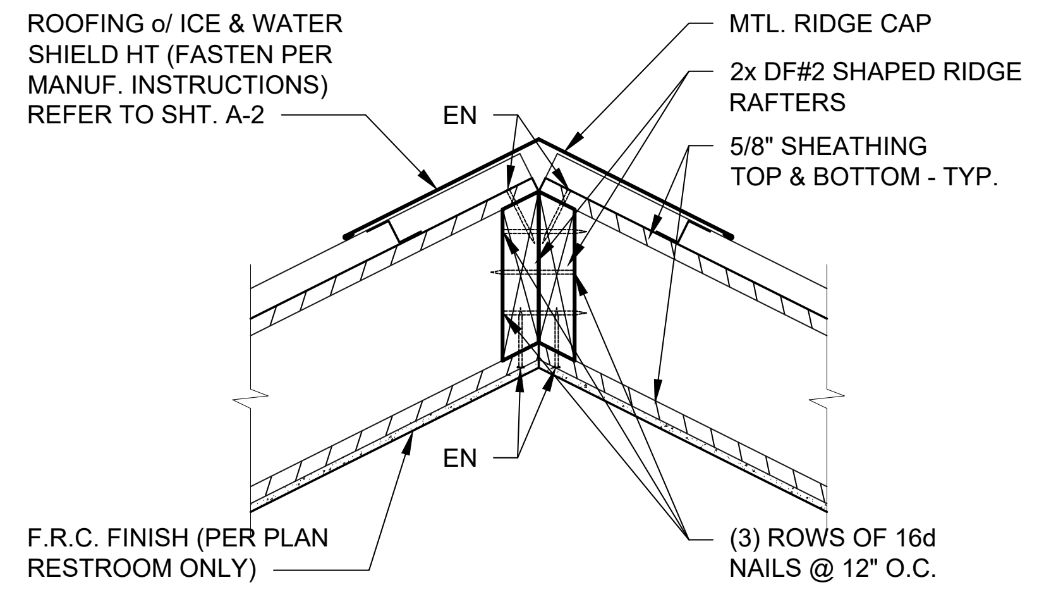
CONSTRUCTION DOCUMENTS - 03/10/2026

CAMBRIA SKATE PARK - Cambria, CA 93428


ROOFING o/ ICE & WATER SHIELD HT (FASTEN PER MANUF. INSTRUCTIONS) REFER TO SHT. A-2
WOOD BLOCKING (PER PLAN) ATTACHED TO RAFTERS / LOOKOUTS w/ (2) 16d NAILS @ EACH END
0.131" x 2" NAILS @ 6" O.C. OR EQUIV. EACH SIDE
WOOD SUB FASCIA WRAPPED w/ 16 GA. FORMED STEEL
SIMPSON GA2 TIE @ EACH LOOKOUT TO WOOD FILLER
WOOD LOOKOUTS (PER PLAN)
BN
5/8" TOP & BOTTOM SHEATHING - TYP.
5/16" F.R.C. (RESTROOM ONLY)
WOOD FILLER w/ RECESSED #12 SELF TAPPING SCREWS @ 12" O.C. - STAGGERED
HSS CAP BEAM
T.O. MASONRY PER PLAN
ANCHORS (SEE CAP BEAM PLAN) 3 1/4" SQ. x 1/4" STEEL PLATE WELDED TO END OF 24" LONG #4 REBAR (ASTM A706) w/ 3/16" FILLET WELD ALL AROUND
5 1/2"
1 1/2"
4 1/4"
DF#2 WOOD FILLER PROFILE
1/8
SEE PLAN
4"
1"

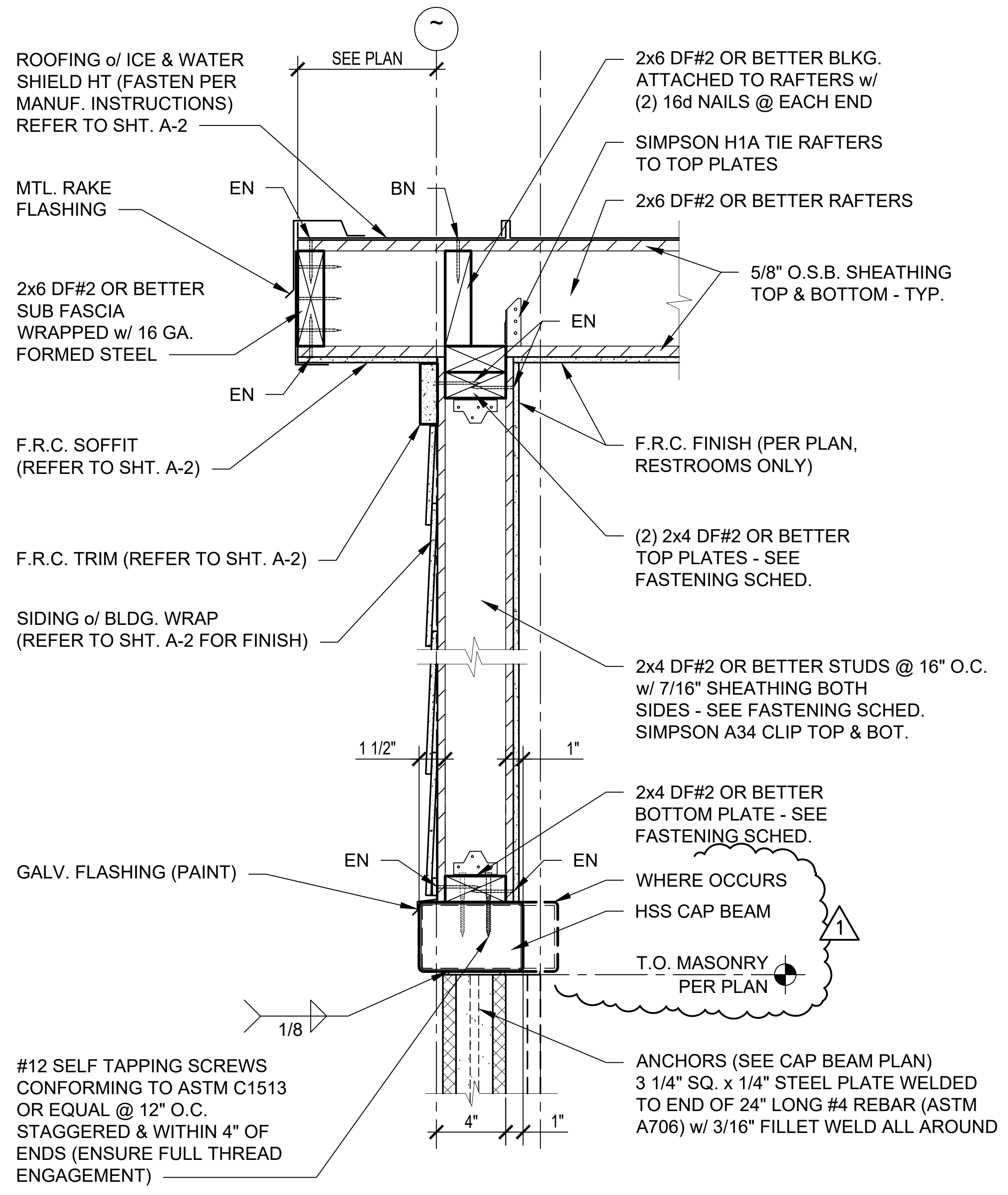
1 SD-1 EXTERIOR WALL TO ROOF & SOFFIT DET.

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


ROOFING o/ ICE & WATER SHIELD HT (FASTEN PER MANUF. INSTRUCTIONS) REFER TO SHT. A-2
EN
MTL. RIDGE CAP
2x DF#2 SHAPED RIDGE RAFTERS
5/8" SHEATHING TOP & BOTTOM - TYP.
EN
F.R.C. FINISH (PER PLAN RESTROOM ONLY)
(3) ROWS OF 16d NAILS @ 12" O.C.

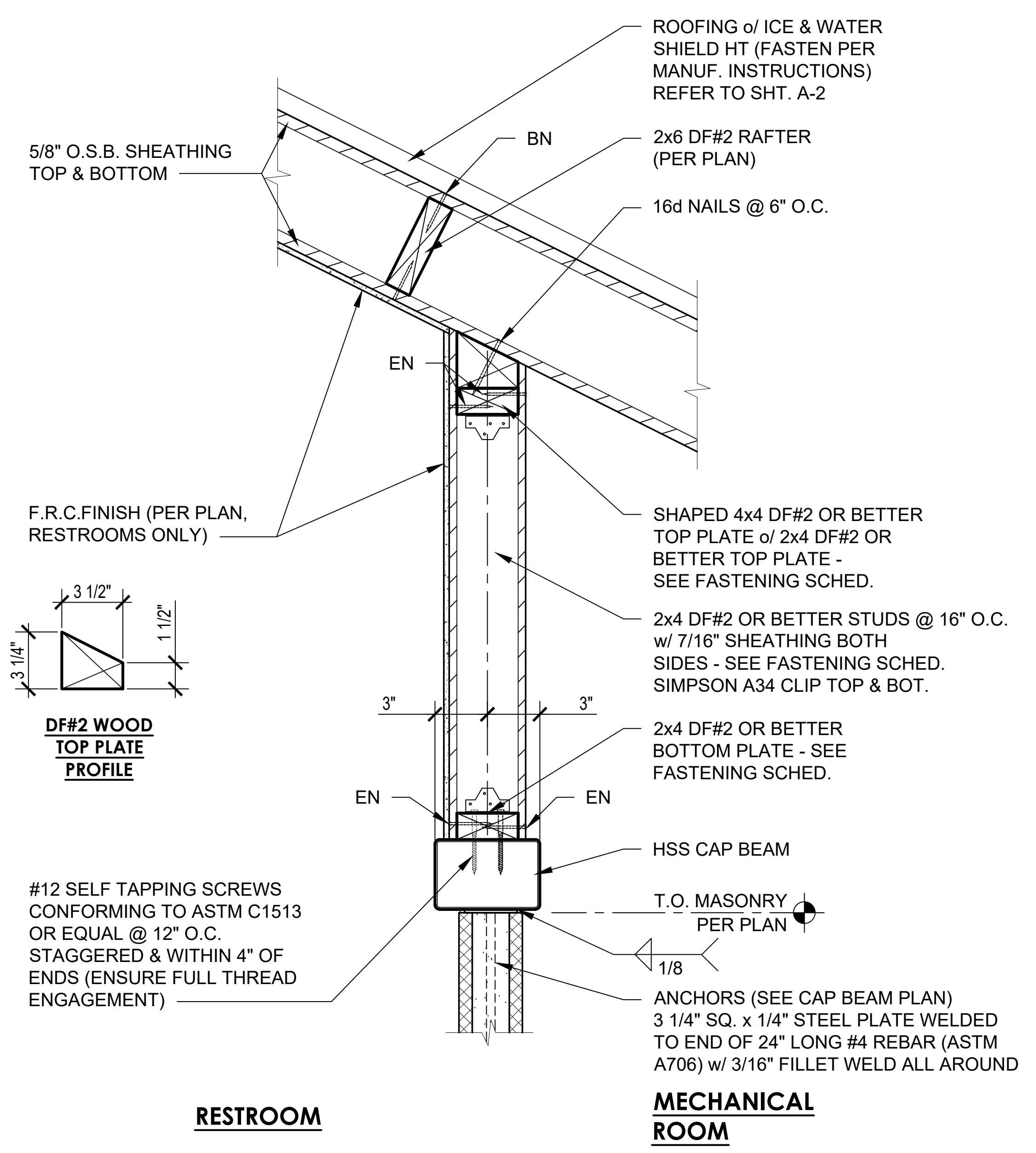
2 SD-1 RIDGE FRAMING DETAIL

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


ROOFING o/ ICE & WATER SHIELD HT (FASTEN PER MANUF. INSTRUCTIONS) REFER TO SHT. A-2
SEE PLAN
MTL. RAKE FLASHING
EN
BN
2x6 DF#2 OR BETTER SUB FASCIA WRAPPED w/ 16 GA. FORMED STEEL
EN
F.R.C. SOFFIT (REFER TO SHT. A-2)
F.R.C. TRIM (REFER TO SHT. A-2)
SIDING o/ BLDG. WRAP (REFER TO SHT. A-2 FOR FINISH)
2x6 DF#2 OR BETTER BLKG. ATTACHED TO RAFTERS w/ (2) 16d NAILS @ EACH END
SIMPSON H1A TIE RAFTERS TO TOP PLATES
2x6 DF#2 OR BETTER RAFTERS
5/8" O.S.B. SHEATHING TOP & BOTTOM - TYP.
EN
F.R.C. FINISH (PER PLAN, RESTROOMS ONLY)
(2) 2x4 DF#2 OR BETTER TOP PLATES - SEE FASTENING SCHED.
2x4 DF#2 OR BETTER STUDS @ 16" O.C. w/ 7/16" SHEATHING BOTH SIDES - SEE FASTENING SCHED. SIMPSON A34 CLIP TOP & BOT.
1 1/2"
1"
2x4 DF#2 OR BETTER BOTTOM PLATE - SEE FASTENING SCHED.
GALV. FLASHING (PAINT)
EN
EN
WHERE OCCURS
HSS CAP BEAM
T.O. MASONRY PER PLAN
1
1/8
#12 SELF TAPPING SCREWS CONFORMING TO ASTM C1513 OR EQUAL @ 12" O.C. STAGGERED & WITHIN 4" OF ENDS (ENSURE FULL THREAD ENGAGEMENT)
ANCHORS (SEE CAP BEAM PLAN) 3 1/4" SQ. x 1/4" STEEL PLATE WELDED TO END OF 24" LONG #4 REBAR (ASTM A706) w/ 3/16" FILLET WELD ALL AROUND
4"
1"

3 SD-1 EXTERIOR WALL TO ROOF & SOFFIT DET.

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

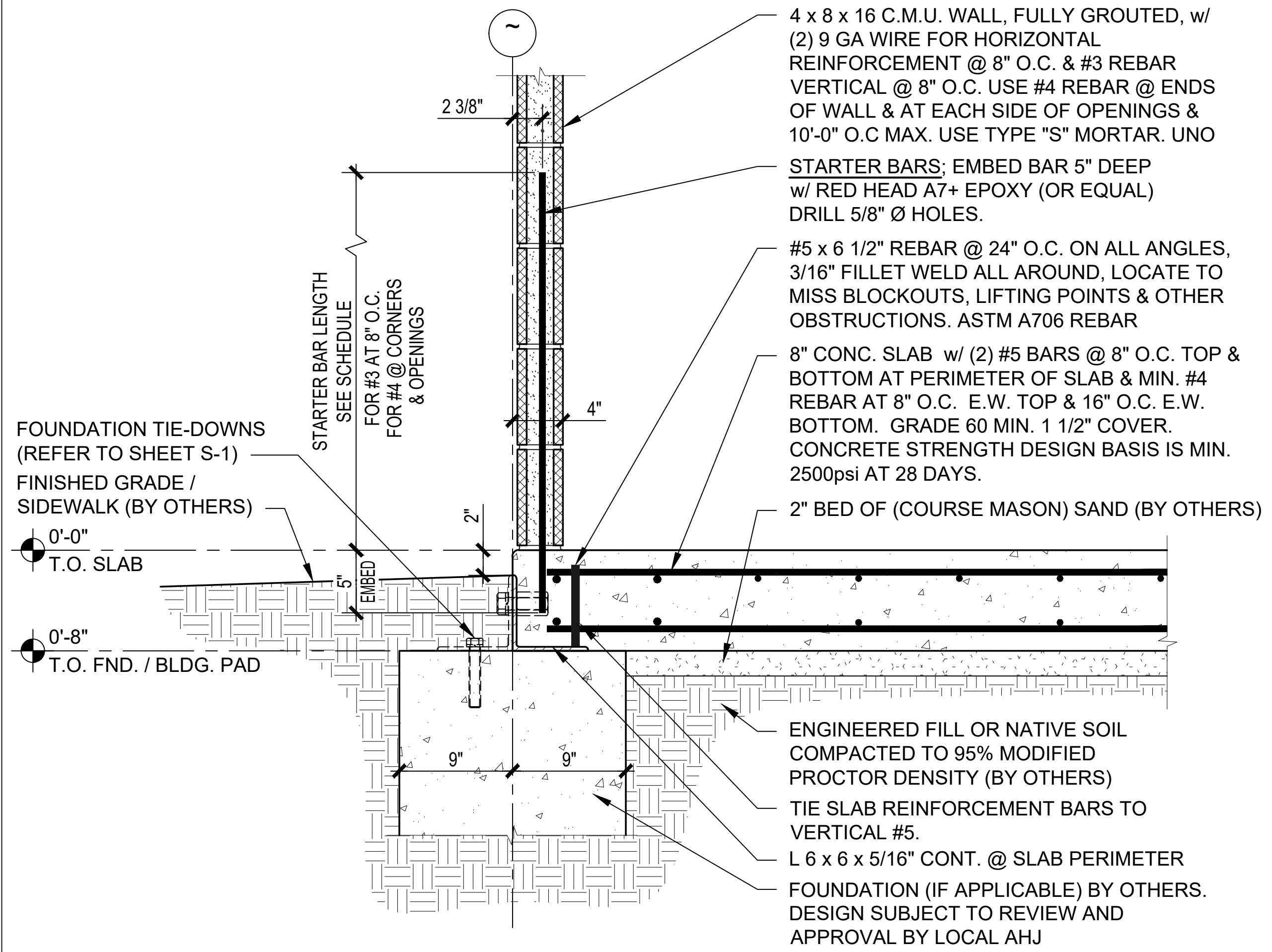

5/8" O.S.B. SHEATHING TOP & BOTTOM
ROOFING o/ ICE & WATER SHIELD HT (FASTEN PER MANUF. INSTRUCTIONS) REFER TO SHT. A-2
BN
2x6 DF#2 RAFTER (PER PLAN)
16d NAILS @ 6" O.C.
EN
F.R.C.FINISH (PER PLAN, RESTROOMS ONLY)
3 1/2"
3 1/4"
1 1/2"
DF#2 WOOD TOP PLATE PROFILE
SHAPED 4x4 DF#2 OR BETTER TOP PLATE o/ 2x4 DF#2 OR BETTER TOP PLATE - SEE FASTENING SCHED.
2x4 DF#2 OR BETTER STUDS @ 16" O.C. w/ 7/16" SHEATHING BOTH SIDES - SEE FASTENING SCHED. SIMPSON A34 CLIP TOP & BOT.
3"
3"
2x4 DF#2 OR BETTER BOTTOM PLATE - SEE FASTENING SCHED.
EN
EN
HSS CAP BEAM
T.O. MASONRY PER PLAN
1/8
#12 SELF TAPPING SCREWS CONFORMING TO ASTM C1513 OR EQUAL @ 12" O.C. STAGGERED & WITHIN 4" OF ENDS (ENSURE FULL THREAD ENGAGEMENT)
ANCHORS (SEE CAP BEAM PLAN) 3 1/4" SQ. x 1/4" STEEL PLATE WELDED TO END OF 24" LONG #4 REBAR (ASTM A706) w/ 3/16" FILLET WELD ALL AROUND
RESTROOM
MECHANICAL ROOM

4 SD-1 DEMISING WALL FRAMING DETAIL

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

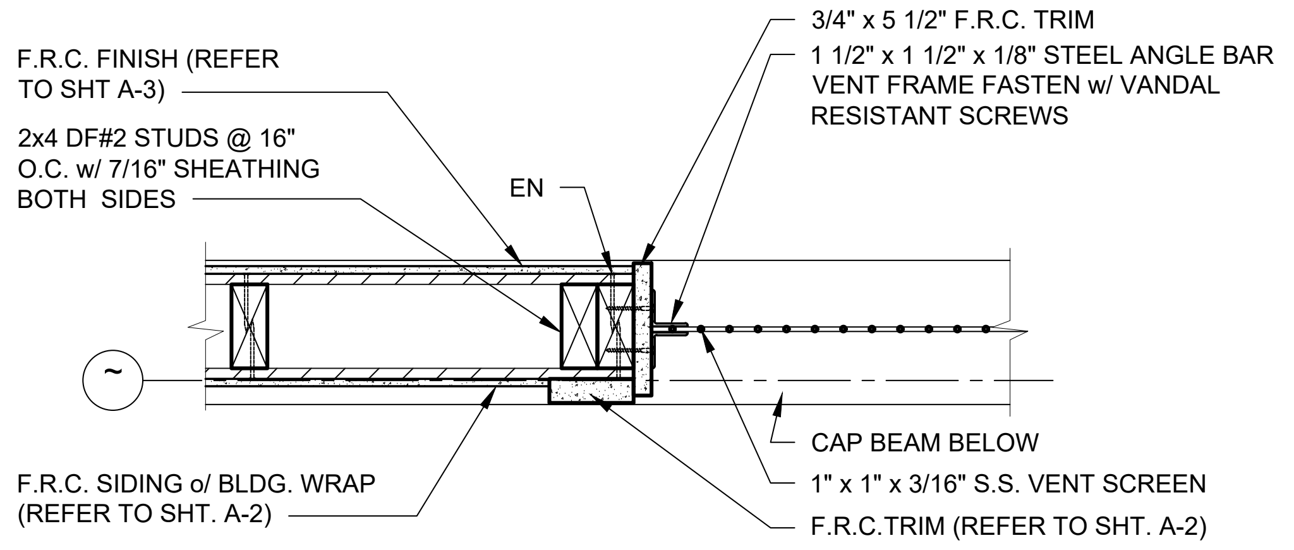
MASONRY DESIGN STRESS IS f'm = 2500 PSI		
MASONRY UNITS	ASTM C 90 GRADE N-1	LIGHTWEIGHT MAS. DRY LOOSE BULK DENSITY 65 pcf
MORTAR	ASTM C 270 TYPE S	CLEAN SHARP SAND
GROUT	ASTM 476 OR EQUAL	6"-4" BLOCK -FINE

BAR Ø	MIN. EMBEDMENT (in)	MIN. OVERLAP / SPLICE (in)	MIN. REBAR LENGTH (in)
#3	5	18	23
#4	5	24	29
#5	5	30	35

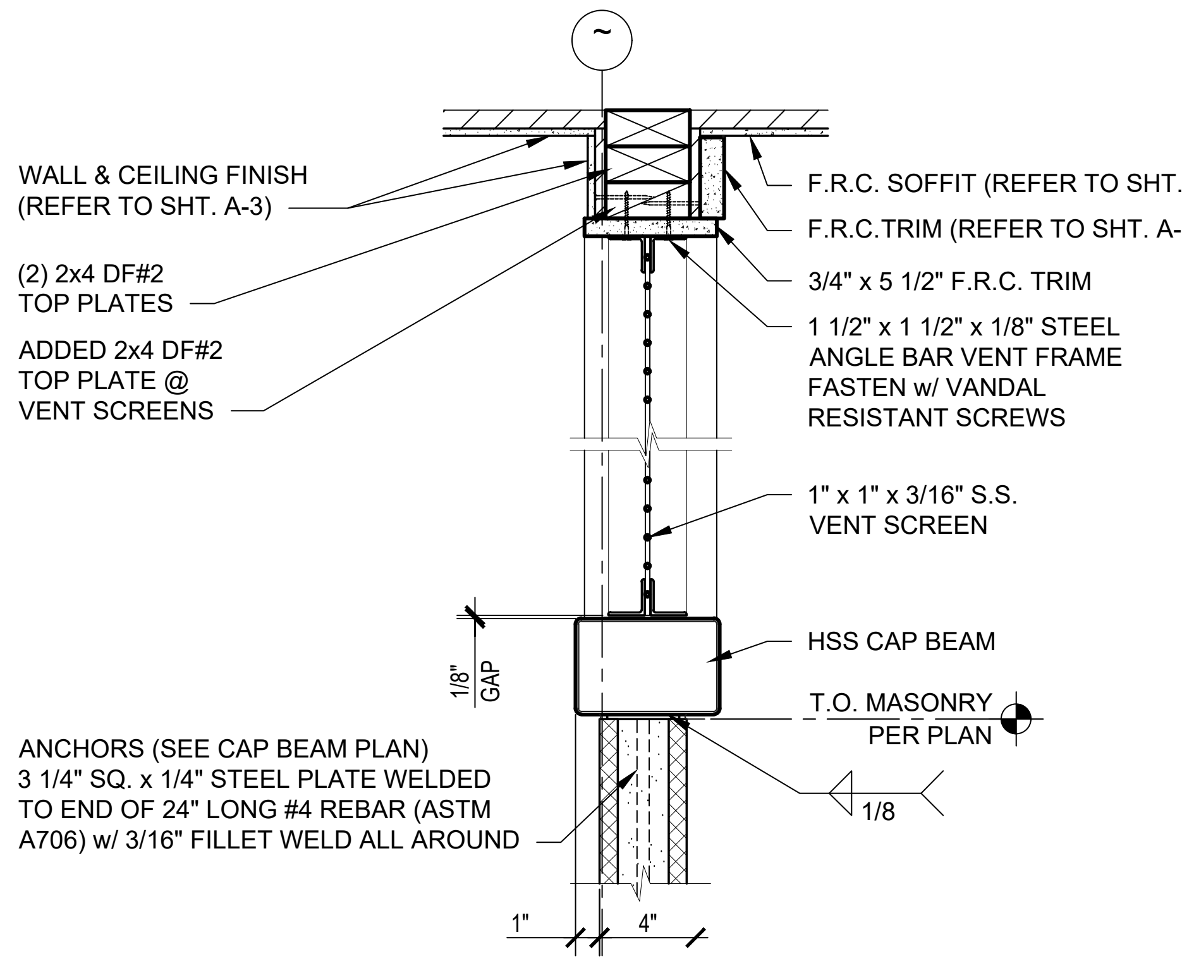

4 x 8 x 16 C.M.U. WALL, FULLY GROUTED, w/ (2) 9 GA WIRE FOR HORIZONTAL REINFORCEMENT @ 8" O.C. & #3 REBAR VERTICAL @ 8" O.C. USE #4 REBAR @ ENDS OF WALL & AT EACH SIDE OF OPENINGS & 10'-0" O.C MAX. USE TYPE "S" MORTAR. UNO
2 3/8"
STARTER BARS; EMBED BAR 5" DEEP w/ RED HEAD A7+ EPOXY (OR EQUAL) DRILL 5/8" Ø HOLES.
STARTER BAR LENGTH SEE SCHEDULE
FOR #3 AT 8" O.C. FOR #4 @ CORNERS & OPENINGS
#5 x 6 1/2" REBAR @ 24" O.C. ON ALL ANGLES, 3/16" FILLET WELD ALL AROUND, LOCATE TO MISS BLOCKOUTS, LIFTING POINTS & OTHER OBSTRUCTIONS. ASTM A706 REBAR
4"
8" CONC. SLAB w/ (2) #5 BARS @ 8" O.C. TOP & BOTTOM AT PERIMETER OF SLAB & MIN. #4 REBAR AT 8" O.C. E.W. TOP & 16" O.C. E.W. BOTTOM. GRADE 60 MIN. 1 1/2" COVER. CONCRETE STRENGTH DESIGN BASIS IS MIN. 2500psi AT 28 DAYS.
FOUNDATION TIE-DOWNS (REFER TO SHEET S-1)
FINISHED GRADE / SIDEWALK (BY OTHERS)
2" BED OF (COURSE MASON) SAND (BY OTHERS)
2"
0'-0" T.O. SLAB
5"
EMBED
0'-8" T.O. FND. / BLDG. PAD
9"
9"
ENGINEERED FILL OR NATIVE SOIL COMPACTED TO 95% MODIFIED PROCTOR DENSITY (BY OTHERS)
TIE SLAB REINFORCEMENT BARS TO VERTICAL #5.
L 6 x 6 x 5/16" CONT. @ SLAB PERIMETER
FOUNDATION (IF APPLICABLE) BY OTHERS. DESIGN SUBJECT TO REVIEW AND APPROVAL BY LOCAL AHJ

5 SD-1 SLAB & WALL DETAIL

SCALE: 1"=1'-0"


F.R.C. FINISH (REFER TO SHT A-3)
2x4 DF#2 STUDS @ 16" O.C. w/ 7/16" SHEATHING BOTH SIDES
EN
3/4" x 5 1/2" F.R.C. TRIM
1 1/2" x 1 1/2" x 1/8" STEEL ANGLE BAR VENT FRAME FASTEN w/ VANDAL RESISTANT SCREWS
F.R.C. SIDING o/ BLDG. WRAP (REFER TO SHT. A-2)
CAP BEAM BELOW
1" x 1" x 3/16" S.S. VENT SCREEN
F.R.C.TRIM (REFER TO SHT. A-2)

SECTION A


WALL & CEILING FINISH (REFER TO SHT. A-3)
(2) 2x4 DF#2 TOP PLATES
ADDED 2x4 DF#2 TOP PLATE @ VENT SCREENS
F.R.C. SOFFIT (REFER TO SHT. A-2)
F.R.C.TRIM (REFER TO SHT. A-2)
3/4" x 5 1/2" F.R.C. TRIM
1 1/2" x 1 1/2" x 1/8" STEEL ANGLE BAR VENT FRAME FASTEN w/ VANDAL RESISTANT SCREWS
1" x 1" x 3/16" S.S. VENT SCREEN
HSS CAP BEAM
1/8" GAP
T.O. MASONRY PER PLAN
1/8
ANCHORS (SEE CAP BEAM PLAN) 3 1/4" SQ. x 1/4" STEEL PLATE WELDED TO END OF 24" LONG #4 REBAR (ASTM A706) w/ 3/16" FILLET WELD ALL AROUND
1"
4"

SECTION B

6 SD-1 EXTERIOR VENT SCREEN DETAILS

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

1

COUNTY OF SAN LUIS OBISPO PUBLIC WORKS REVIEW / APPROVAL FOR ELEVATION OF ELECTRICAL COMPONENTS; DRY FLOOD PROOFING COMPONENTS AND MATERIALS; AND FLOOD RESISTANT STRUCTURAL DESIGN ONLY.

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STRUCTURAL ONLY

This certification is for structural design only. All other matters of code compliance including but not limited to allowable area, fire resistance, and egress are the responsibility of others.

ERIC J. TOMPOS
No. C70218
Exp. 09-30-2026
03/11/2026

ICC NTA, LLC, 305 N. Oakland Ave
Nappanee, IN 46550
COA: 33677

These documents are applicable only to the elements and loading criteria specifically provided herein. These documents shall not be construed in any way to specify, certify or design any aspects of the building not contained herein. Specified design criteria are based solely on information provided by the client and must be verified and approved by the local authority having jurisdiction. ICC NTA, LLC is not responsible for fabrication or erection. If it is suspected that these documents have been modified, substituted or altered in any way, contact ICC NTA, LLC at (574) 773-7975 to obtain a file copy.

10-Mar-26 9:28 AM

No.	Description	Date
1	County of San Luis Obispo Public Works Comments	03/05/2026
2	Front wall changed to 6" masonry	03/09/2026

CONSTRUCTION DOCUMENTS
03/10/2026

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PUBLIC RESTROOM COMPANY
Building Better Places To Go.
2587 Business Pkwy, Minden, NV 89423
Ph: 888-888-2060 | Fax: 888-888-1448

PROJECT OWNER:
CAMBRIA COMMUNITY SERVICES DISTRICT
Cambria, CA

PROJECT NAME AND LOCATION:
CAMBRIA SKATE PARK
Cambria, CA 93428

SHEET TITLE:
P.R.C.
STANDARD DETAILS

Drawn by:	DF	Job No.	13119
Checked by:	MM	SD-1	
Current Date:	03/10/2026		
Start Date:	11/10/2025		

DO NOT SCALE - DIMENSIONS PRESIDE

CONSTRUCTION DOCUMENTS - 03/10/2026

CAMBRIA SKATE PARK - Cambria, CA 93428

PUBLIC RESTROOM COMPANY
Building Better Places To Go.

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 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 REMOTE CONTROL VALVE 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 REMOTE CONTROL VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL REMOTE CONTROL VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL 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. THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.

MWELO COMPLIANCE STATEMENT:

I HAVE COMPLIED WITH THE CRITERIA OF THE CALIFORNIA WATER EFFICIENT LANDSCAPE ORDINANCE 1881 AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

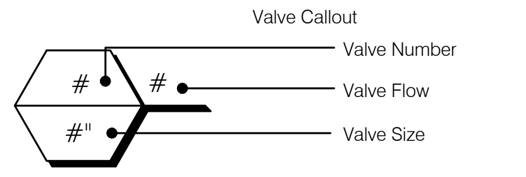
JIM BURROWS, CLA #2737
APRIL 2025

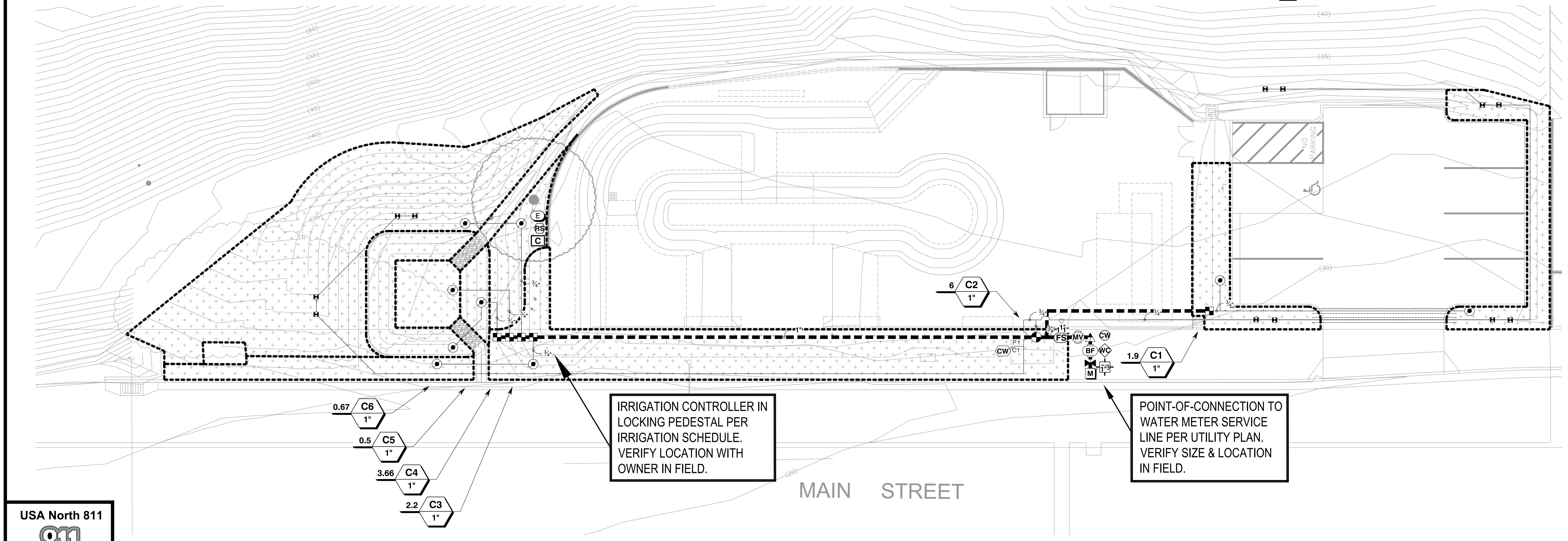
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	ARC	PSI	GPM	RADIUS
⊠	RAIN BIRD RWS-M-B-C-1402 1402	360	30	0.5	3'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI
◩	RAIN BIRD XCZ-100-PRB-COM 1" WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1IN. BALL VALVE WITH 1IN. PESB VALVE AND 1IN. PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.3 GPM-20 GPM	
⦿	PIPE TRANSITION POINT ABOVE GRADE PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER TO ABOVE GRADE INSTALLATION. USE RAIN BIRD "EASY FIT" MCDF SERIES FITTINGS FOR CONNECTION BETWEEN PVC LATERAL LINES AND DRIP DISTRIBUTION TUBING.	
▨	AREA TO RECEIVE DRIP EMITTERS RAIN BIRD XB-PC SINGLE OUTLET, PRESSURE COMPENSATING DRIP EMITTERS. FLOW RATES OF 0.5 GPH=BLUE, 1.0 GPH=BLACK, AND 2.0 GPH=RED. COMES WITH A SELF-PIERCING BARB INLET X BARB OUTLET. Emitter Notes: 20PC emitters (1 assigned to each 1 gal. plant) 20PC emitters (2 assigned to each 5 gal. plant) 20PC emitters (7 assigned to each 15 gal. plant) 20PC emitters (8 assigned to each 24" Box plant)	30

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
◑	RAIN BIRD PESB 1" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION. WITH SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS.
⋈	LANDSCAPE PRODUCTS INC. CWV SLIP SOCKET 1/2IN., 3/4IN., 1IN., 1-1/4IN., 1-1/2IN.,2IN. SLIP SOCKET PLASTIC BALL VALVE. QUARTER-TURN SHUTOFF DESIGNED FOR IRRIGATION, SPAS, POOLS AND OTHER GENERAL COLD WATER APPLICATIONS. 125 PSI RATING. SAME SIZE AS MAINLINE.
MV	BUCKNER-SUPERIOR 3200 1" NORMALLY CLOSED BRASS MASTER VALVE THAT PROVIDES DIRTY WATER PROTECTION AND NO MINIMUM FLOW FEATURE, WHICH ENSURES RELIABLE OPENING AND CLOSING OF THE VALVE IN EXTREME HIGH OR LOW FLOW SCENARIOS. AVAILABLE IN 3/4IN.,1IN.1-1/2IN.,2IN.,2-1/2IN. AND 3IN..
▲	PRESSURE REDUCING VALVE WILKINS 500XL SERIES PRESSURE REDUCER, USE IF PRESSURE EXCEEDS 85 PSI. SET TO 75 PSI. PRESSURE REQUIRED DOWNSTREAM IS 44.3 PSI
BF	ZURN 975XL 1" REDUCED PRESSURE BACKFLOW DEVICE
C	RAIN BIRD ESPLXME2P 12 STATION, TRADITIONALLY-WIRED COMMERCIAL CONTROLLER W/ FACTORY INSTALLED PRO SMART MODULE. INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE.
CW	IRRIGATION CONTROL WIRE #14UF AWG DIRECT BURIAL (U.L. APPROVED.)
RS	RAIN BIRD RSD-BEX RAIN SENSOR, WITH METAL LATCHING BRACKET, EXTENSION WIRE.
WC	WIRE CONNECTOR 3M DIRECT BURIAL WATER-PROOF WIRE CONNECTORS (U.L. APPROVED.)
FS	RAIN BIRD FS-150-P 1-1/2IN. FLOW SENSOR, PLASTIC PVC MODEL. SUGGESTED OPERATING RANGE 5.0 GPM TO 100.0 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE. RAIN BIRD COMPATIBLE CONTROLLERS: ESP-LXIVM(P) | LXD | LXME2(P) | ME3, OR CONTROLLERS ACCEPTING CUSTOM K-FACTOR AND OFFSET. INSTALL IN RAIN BIRD VALVE BOX.
SB	STRONG BOX SBBC-20SS HIGH PROFILE, TUBE AND WIRE CONSTRUCTION SMOOTH TOUCH SURFACE, FRONT ENTRY STAINLESS STEEL BACKFLOW ENCLOSURE. 20IN.L, 46.5IN.H, 17.75IN.W.
CW PX/CX	PULL BOX TWO (2) SPARE CONTROL WIRES FOR FUTURE USE IN JUNCTION BOX. P=PILOT WIRES, C=COMMON WIRES BUNDLED. COIL WIRES IN VALVE BOX PER DETAIL, AND RUN CONTINUOUS WIRE BACK TO CONTROLLER. LABEL EACH WIRE WITH A PLASTIC I.D. TAG AT THE WIRE BUNDLE AND AT THE CONTROLLER.
E	ELECTRICAL POC 120 VOLT ELECTRICAL POWER WITH DEDICATED CIRCUIT, PROVIDED BY ELECTRICIAN IF NEEDED, VERIFY ACTUAL LOCATION IN FIELD
M	WATER METER 1"
───	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 3/4"
▬ ▬ ▬	IRRIGATION MAINLINE: PVC SCHEDULE 40 1"
═ ═ ═	PIPE SLEEVE: PVC SCHEDULE 40





IRRIGATION CONTROLLER IN LOCKING PEDESTAL PER IRRIGATION SCHEDULE. VERIFY LOCATION WITH OWNER IN FIELD.

POINT-OF-CONNECTION TO WATER METER SERVICE LINE PER UTILITY PLAN. VERIFY SIZE & LOCATION IN FIELD.

USA North 811

Know what's below. Call before you dig.

REFER TO SHEET L-5 FOR WATER EFFICIENT LANDSCAPE ORDINANCE (WELO) WORKSHEET

NORTH

SCALE: 1"=10'-0"

0 10 20 30 40

Jim Burrows
Landscape Architecture
979 OSOS STREET, SUITE B6
SAN LUIS OBISPO, CA 93401
(805) 439-3209

REGISTERED LANDSCAPE ARCHITECT
James L. Burrows No. 2737
Signature
12/31/2025
Renewal Date
04/30/2025
Date
STATE OF CALIFORNIA

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	DATE	REVISION
1	04/30/25	plants per County list
2		
3		
4		
5		
6		

OWNER:
CAMBRIA COMMUNITY SERVICES DISTRICT
1640 1316 TAMSON DRIVE, SUITE 201
CAMBRIA, CALIFORNIA 93428

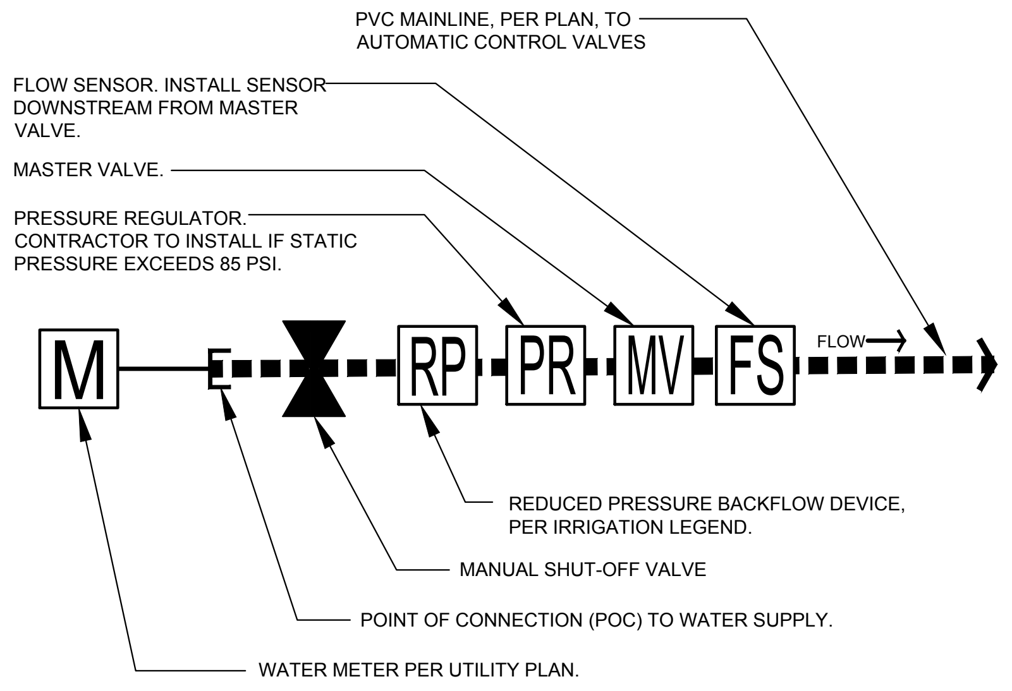
PROJECT:
CAMBRIA SKATE PARK
MAIN STREET
CAMBRIA, CALIFORNIA

ISSUED: 04/30/2025
PLAN SET 'B'
JBLA PLAN CONTROL

IRRIGATION PLAN

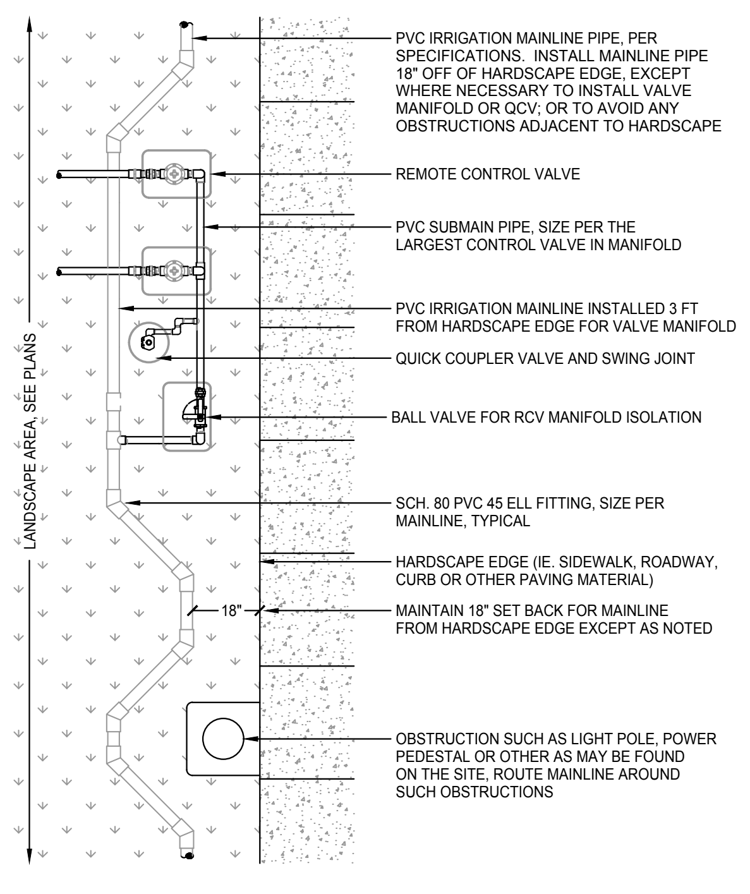
DESIGNED	JBLA
DRAWN	JBLA
CHECKED	JBLA
DATE	04/30/2025
JOB NO.	24-117
SHEET NUMBER	L-1

1 OF 6 SHEETS


PVC MAINLINE, PER PLAN, TO AUTOMATIC CONTROL VALVES
FLOW SENSOR. INSTALL SENSOR DOWNSTREAM FROM MASTER VALVE.
MASTER VALVE.
PRESSURE REGULATOR. CONTRACTOR TO INSTALL IF STATIC PRESSURE EXCEEDS 85 PSI.
M
RP
PR
MV
FS
FLOW
REDUCED PRESSURE BACKFLOW DEVICE, PER IRRIGATION LEGEND.
MANUAL SHUT-OFF VALVE
POINT OF CONNECTION (POC) TO WATER SUPPLY.
WATER METER PER UTILITY PLAN.

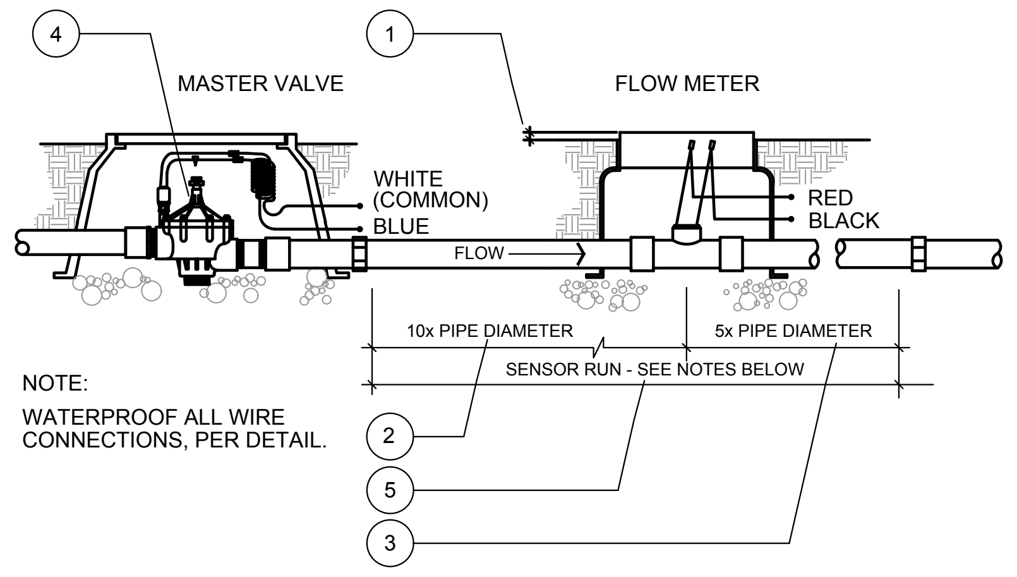
NOTES:
1. THE DIAGRAM ABOVE ILLUSTRATES THE TYPICAL SEQUENCING OF COMPONENTS WHERE THE IRRIGATION SYSTEM CONNECTS TO THE WATER SUPPLY.
2. REFER TO IRRIGATION LEGEND, DETAILS AND SPECIFICATION FOR IRRIGATION EQUIPMENT.

E POINT-OF-CONNECTION (P.O.C.)


PVC IRRIGATION MAINLINE PIPE, PER SPECIFICATIONS. INSTALL MAINLINE PIPE 18" OFF OF HARDSCAPE EDGE, EXCEPT WHERE NECESSARY TO INSTALL VALVE MANIFOLD OR QCV; OR TO AVOID ANY OBSTRUCTIONS ADJACENT TO HARDSCAPE
REMOTE CONTROL VALVE
PVC SUBMAIN PIPE, SIZE PER THE LARGEST CONTROL VALVE IN MANIFOLD
PVC IRRIGATION MAINLINE INSTALLED 3 FT FROM HARDSCAPE EDGE FOR VALVE MANIFOLD
QUICK COUPLER VALVE AND SWING JOINT
BALL VALVE FOR RCV MANIFOLD ISOLATION
LANDSCAPE AREA, SEE PLANS
SCH. 80 PVC 45 ELL FITTING, SIZE PER MAINLINE, TYPICAL
HARDSCAPE EDGE (IE. SIDEWALK, ROADWAY, CURB OR OTHER PAVING MATERIAL)
18"
MAINTAIN 18" SET BACK FOR MAINLINE FROM HARDSCAPE EDGE EXCEPT AS NOTED
OBSTRUCTION SUCH AS LIGHT POLE, POWER PEDESTAL OR OTHER AS MAY BE FOUND ON THE SITE, ROUTE MAINLINE AROUND SUCH OBSTRUCTIONS

(POTABLE SYSTEMS - GREEN VALVE BOX LIDS / RECYCLED SYSTEMS - PURPLE VALVE BOX LIDS)

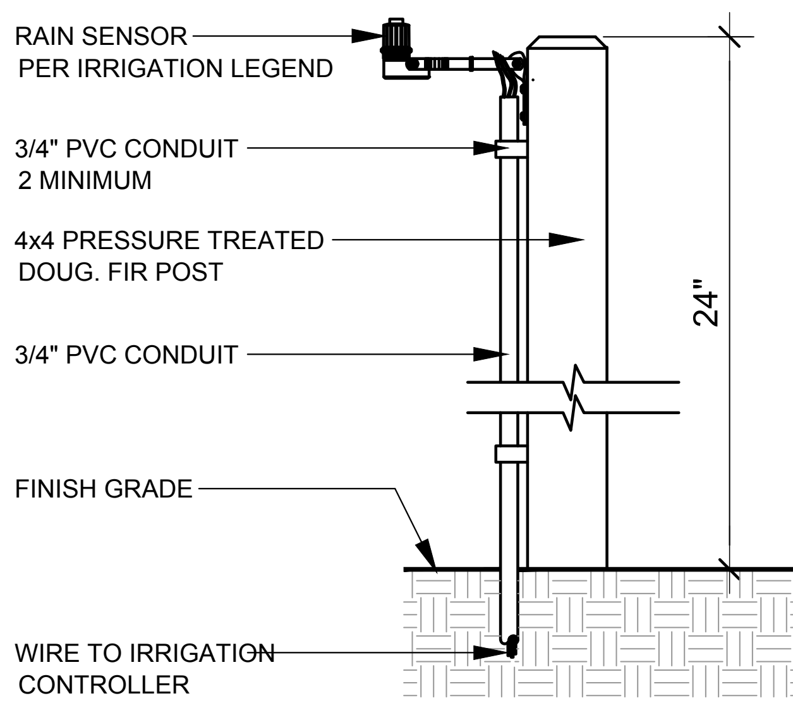
D MAINLINE & VALVE LAYOUT


4
1
MASTER VALVE
FLOW METER
WHITE (COMMON)
BLUE
RED
BLACK
FLOW
10x PIPE DIAMETER
5x PIPE DIAMETER
SENSOR RUN - SEE NOTES BELOW
2
5
3

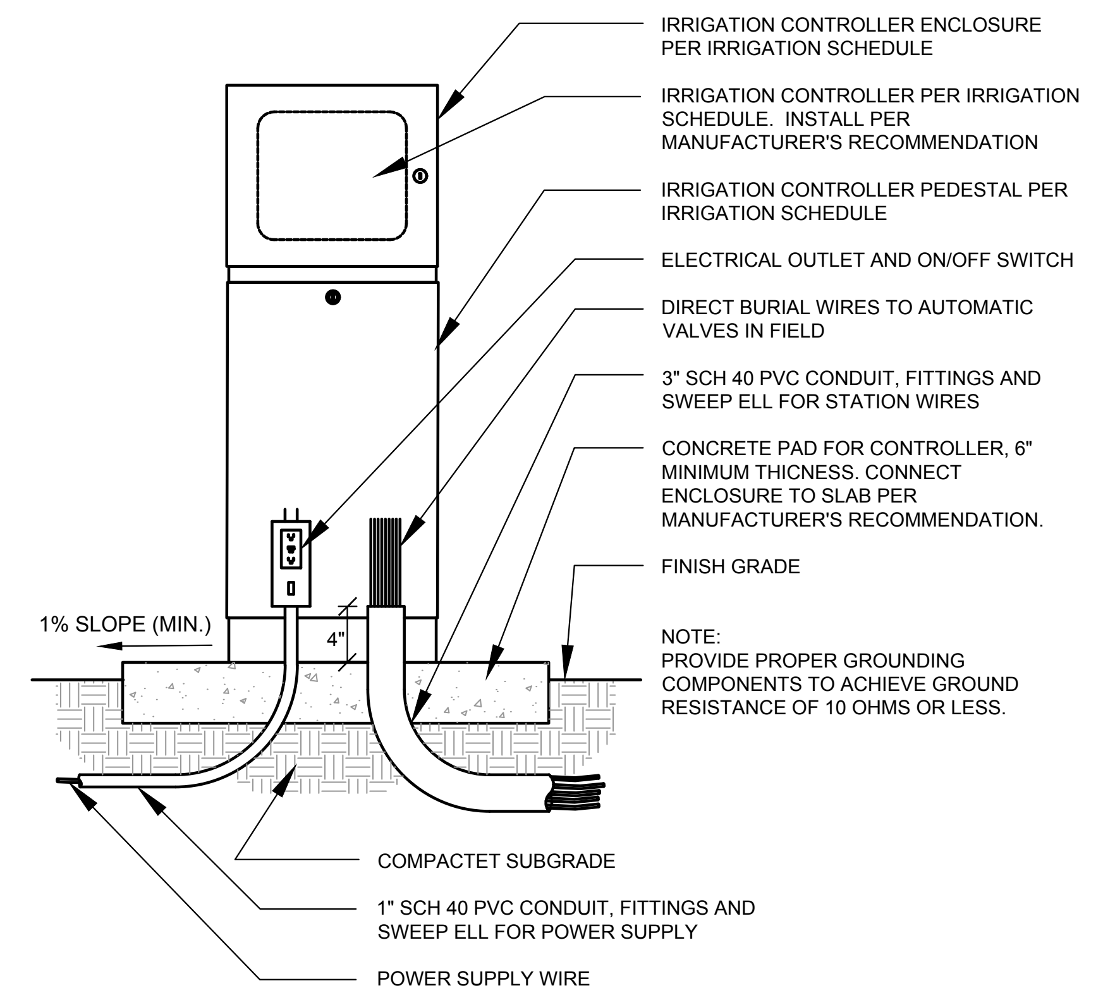
NOTE:
WATERPROOF ALL WIRE CONNECTIONS, PER DETAIL.

1. 1" IN LAWN AREAS, 2" IN PLANTING BEDS.
2. MINIMUM DISTANCE UPSTREAM 10x PIPE DIAMETER OF SENSOR INLET.
3. MINIMUM DISTANCE DOWNSTREAM 5x PIPE DIAMETER OF SENSOR INLET.
4. MASTER VALVE, PER DETAIL. INSTALL UPSTREAM OF FLOW SENSOR.
5. SENSOR TO BE PLACED IN STRAIGHT RUN ("SENSOR RUN") OF PIPE, WITH NO COUPLINGS, TEES OR OTHER INTERRUPTIONS IN PIPE.

C FLOW SENSOR

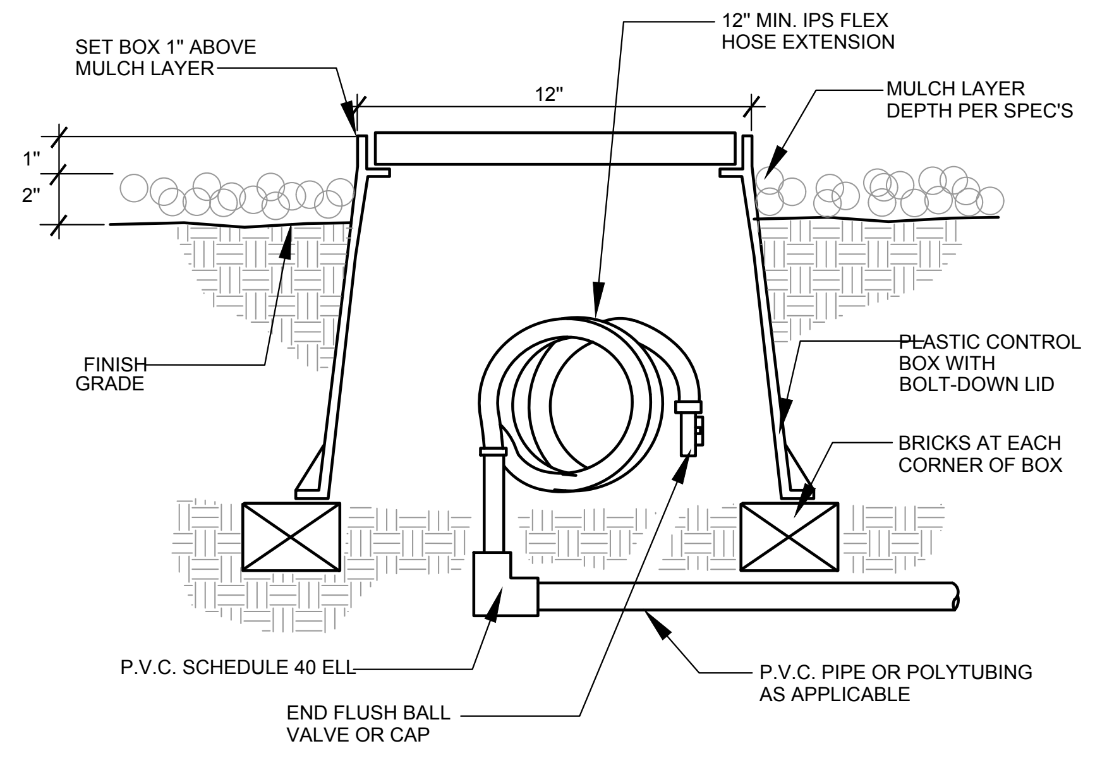

RAIN SENSOR PER IRRIGATION LEGEND
3/4" PVC CONDUIT 2 MINIMUM
4x4 PRESSURE TREATED DOUG. FIR POST
3/4" PVC CONDUIT
24"
FINISH GRADE
WIRE TO IRRIGATION CONTROLLER

B RAIN SENSOR (WIRED)

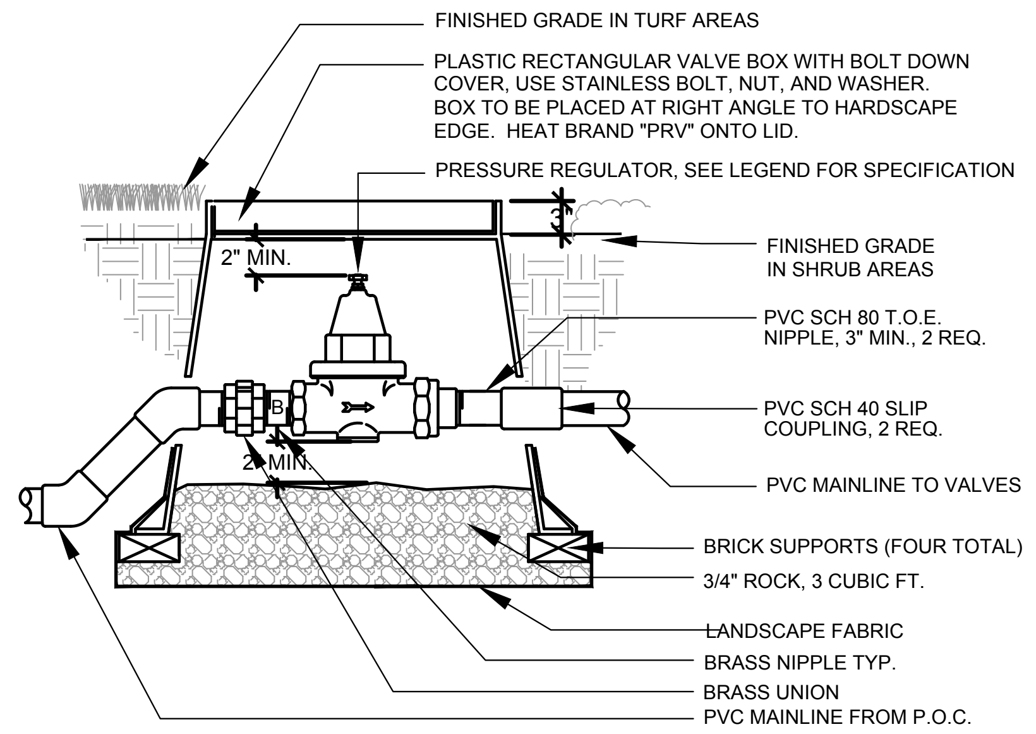

IRRIGATION CONTROLLER ENCLOSURE PER IRRIGATION SCHEDULE
IRRIGATION CONTROLLER PER IRRIGATION SCHEDULE. INSTALL PER MANUFACTURER'S RECOMMENDATION
IRRIGATION CONTROLLER PEDESTAL PER IRRIGATION SCHEDULE
ELECTRICAL OUTLET AND ON/OFF SWITCH
DIRECT BURIAL WIRES TO AUTOMATIC VALVES IN FIELD
3" SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL FOR STATION WIRES
CONCRETE PAD FOR CONTROLLER, 6" MINIMUM THICNESS. CONNECT ENCLOSURE TO SLAB PER MANUFACTURER'S RECOMMENDATION.
FINISH GRADE
1% SLOPE (MIN.)
4"
COMPACTET SUBGRADE
1" SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL FOR POWER SUPPLY
POWER SUPPLY WIRE

NOTE:
PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.

A CONTROLLER

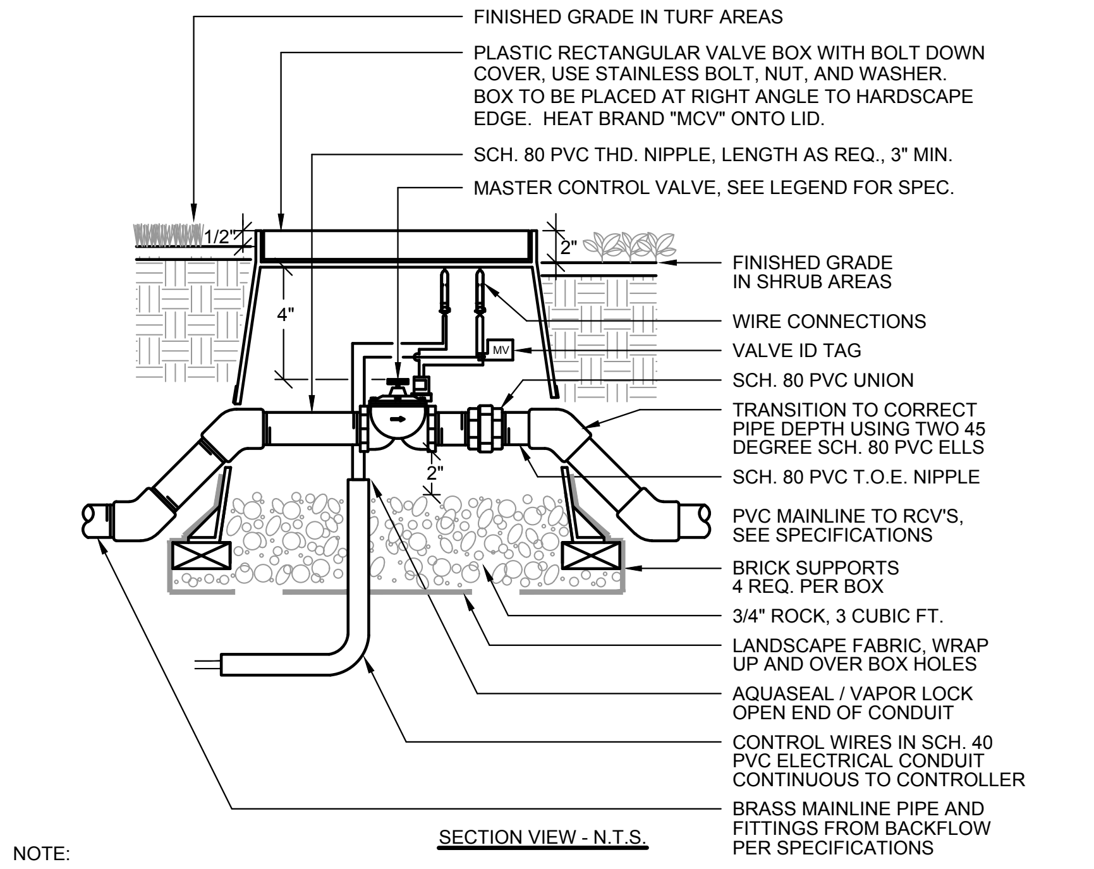

SET BOX 1" ABOVE MULCH LAYER
12" MIN. IPS FLEX HOSE EXTENSION
12"
MULCH LAYER DEPTH PER SPEC'S
1"
2"
FINISH GRADE
PLASTIC CONTROL BOX WITH BOLT-DOWN LID
BRICKS AT EACH CORNER OF BOX
P.V.C. SCHEDULE 40 ELL
END FLUSH BALL VALVE OR CAP
P.V.C. PIPE OR POLYTUBING AS APPLICABLE

J DRIP FLUSH VALVE


FINISHED GRADE IN TURF AREAS
PLASTIC RECTANGULAR VALVE BOX WITH BOLT DOWN COVER, USE STAINLESS BOLT, NUT, AND WASHER. BOX TO BE PLACED AT RIGHT ANGLE TO HARDSCAPE EDGE. HEAT BRAND "PRV" ONTO LID.
PRESSURE REGULATOR, SEE LEGEND FOR SPECIFICATION
2" MIN.
3"
FINISHED GRADE IN SHRUB AREAS
PVC SCH 80 T.O.E. NIPPLE, 3" MIN., 2 REQ.
PVC SCH 40 SLIP COUPLING, 2 REQ.
PVC MAINLINE TO VALVES
2" MIN.
BRICK SUPPORTS (FOUR TOTAL)
3/4" ROCK, 3 CUBIC FT.
LANDSCAPE FABRIC
BRASS NIPPLE TYP.
BRASS UNION
PVC MAINLINE FROM P.O.C.

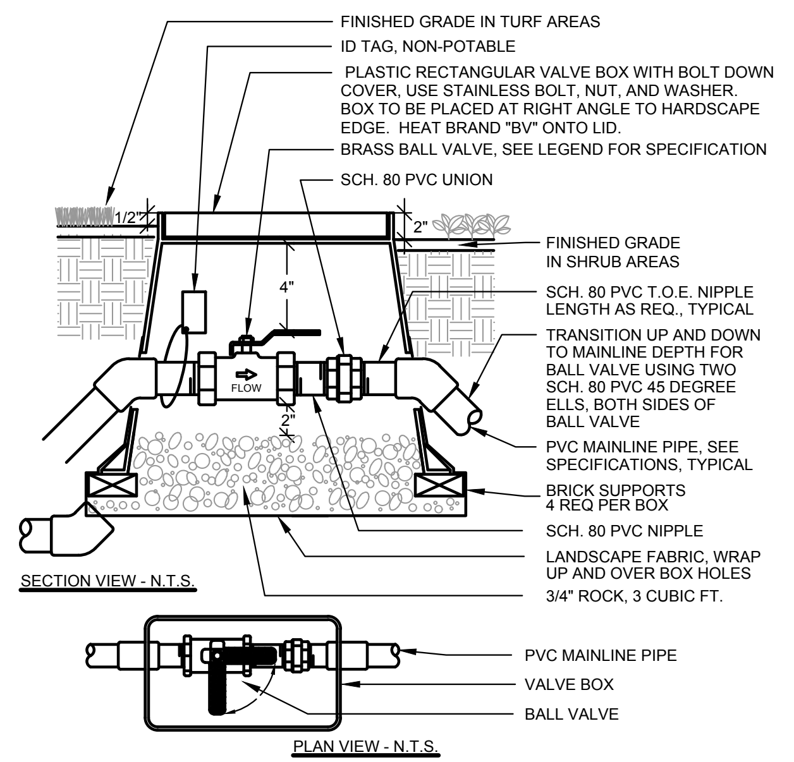
NOTES:
1. PRESSURE REGULATOR REQUIRED IF STATIC PRESSURE IS ABOVE 85 PSI.
2. USE 45 DEGREE ELLS TO ACHIEVE MAINLINE DEPTH FROM UPSTREAM SIDE OF THE PRESSURE REGULATOR ASSEMBLY.

I PRESSURE REGULATOR


FINISHED GRADE IN TURF AREAS
PLASTIC RECTANGULAR VALVE BOX WITH BOLT DOWN COVER, USE STAINLESS BOLT, NUT, AND WASHER. BOX TO BE PLACED AT RIGHT ANGLE TO HARDSCAPE EDGE. HEAT BRAND "MCV" ONTO LID.
SCH. 80 PVC THD. NIPPLE, LENGTH AS REQ., 3" MIN.
MASTER CONTROL VALVE, SEE LEGEND FOR SPEC.
1/2"
2"
4"
MV
2"
FINISHED GRADE IN SHRUB AREAS
WIRE CONNECTIONS
VALVE ID TAG
SCH. 80 PVC UNION
TRANSITION TO CORRECT PIPE DEPTH USING TWO 45 DEGREE SCH. 80 PVC ELLS
SCH. 80 PVC T.O.E. NIPPLE
PVC MAINLINE TO RCV'S, SEE SPECIFICATIONS
BRICK SUPPORTS 4 REQ. PER BOX
3/4" ROCK, 3 CUBIC FT.
LANDSCAPE FABRIC, WRAP UP AND OVER BOX HOLES
AQUASEAL / VAPOR LOCK OPEN END OF CONDUIT
CONTROL WIRES IN SCH. 40 PVC ELECTRICAL CONDUIT CONTINUOUS TO CONTROLLER
BRASS MAINLINE PIPE AND FITTINGS FROM BACKFLOW PER SPECIFICATIONS
SECTION VIEW - N.T.S.

NOTE:
BRASS ELLS, BRASS NIPPLES, UNION, FEMALE ADAPTER AND AND ALL NIPPLES SHALL BE SIZED TO MATCH THE MASTER CONTROL VALVE OR AS INDICATED ON THE DRAWINGS.
INSTALL VALVE BOXES 12" APART AS INDICATED ON DETAIL SID033.
EQUIPMENT SHALL BE INSTALLED SUCH THAT THERE IS NO LEVERAGE OR STRESS ON THE VALVE ASSEMBLY. PIPE SHALL NOT COME INTO CONTACT WITH VALVE BOX.
USE A NON-HARDENING TEFLON PIPE SEALANT ON ALL THREADED CONNECTIONS.

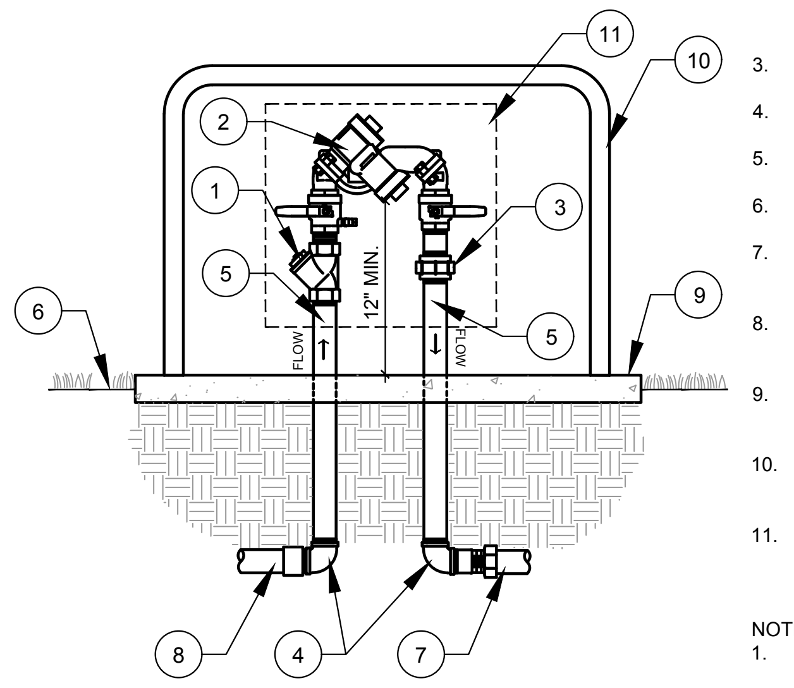
H MASTER SHUT-OFF VALVE


FINISHED GRADE IN TURF AREAS
ID TAG, NON-POTABLE
PLASTIC RECTANGULAR VALVE BOX WITH BOLT DOWN COVER, USE STAINLESS BOLT, NUT, AND WASHER. BOX TO BE PLACED AT RIGHT ANGLE TO HARDSCAPE EDGE. HEAT BRAND "BV" ONTO LID.
BRASS BALL VALVE, SEE LEGEND FOR SPECIFICATION
SCH. 80 PVC UNION
1/2"
2"
4"
FLOW
2"
FINISHED GRADE IN SHRUB AREAS
SCH. 80 PVC T.O.E. NIPPLE LENGTH AS REQ., TYPICAL
TRANSITION UP AND DOWN TO MAINLINE DEPTH FOR BALL VALVE USING TWO SCH. 80 PVC 45 DEGREE ELLS, BOTH SIDES OF BALL VALVE
PVC MAINLINE PIPE, SEE SPECIFICATIONS, TYPICAL
BRICK SUPPORTS 4 REQ PER BOX
SCH. 80 PVC NIPPLE
LANDSCAPE FABRIC, WRAP UP AND OVER BOX HOLES
3/4" ROCK, 3 CUBIC FT.
SECTION VIEW - N.T.S.
PVC MAINLINE PIPE
VALVE BOX
BALL VALVE
PLAN VIEW - N.T.S.

NOTE:
BOX TO BE INSTALLED AS TO ALLOW FOR PROPER OPERATION OF BALL VALVE, INSTALL VALVE AND BOX PARALLEL TO HARDSCAPE EDGE, INSTALL BOX OFF-CENTER OF VALVE.
INSTALL VALVE BOX EXTENSIONS AS REQ. TO ACHIEVE PROPER VALVE AND PIPE DEPTH
WRAP LANDSCAPE FABRIC AROUND SIDES AND BOTTON OF BOX TO COVER ALL OPENINGS.

(POTABLE SYSTEMS - GREEN VALVE BOX LIDS / RECYCLED SYSTEMS - PURPLE VALVE BOX LIDS)

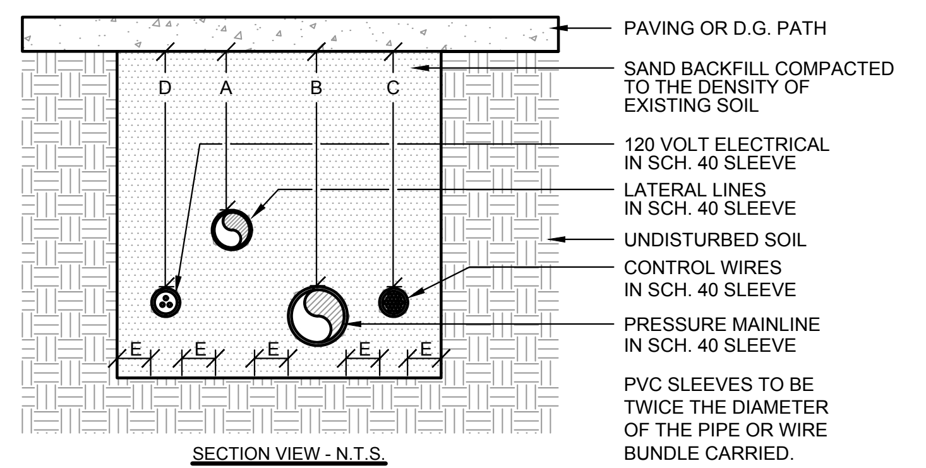
G MANUAL SHUTOFF VALVE


11
10
2
1
3
5
12" MIN.
FLOW
FLOW
5
6
9
8
4
7

1. BRONZE WYE STRAINER W/ CLEAN-OUT VALVE
2. REDUCED PRESSURE BACKFLOW PREVENTER PER IRRIGATION MATERIAL LEGEND
3. BRASS UNION
4. BRASS 90 ELL (TYPICAL)
5. BRASS NIPPLE (SIZE AS REQUIRED)
6. FINISH GRADE
7. SCH. 80 PVC MALE ADAPTER (TO IRRIGATION MAINLINE)
8. TO POINT OF CONNECTION -ADAPT AS REQUIRED
9. CONCRETE PAD, 4" THICKNESS MINIMUM
10. BACKFLOW ENCLOSURE PER IRRIGATION MATERIAL LEGEND
11. INSULATED BACKFLOW COVER. WHERE REQ'D; PER IRRIGATION MATERIAL LEGEND

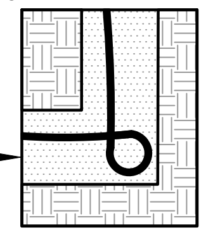
NOTES:
1. INSTALL PER LOCAL CROSS-CONNECTION GUIDELINES.
2.. MAINTAIN MIN. 12" CLEARANCE ON ALL SIDES FROM BUILDINGS, WALLS, ETC.

F BACKFLOW PREVENTER (3/4" TO 2" SIZE)


D
A
B
C
E
PAVING OR D.G. PATH
SAND BACKFILL COMPACTED TO THE DENSITY OF EXISTING SOIL
120 VOLT ELECTRICAL IN SCH. 40 SLEEVE
LATERAL LINES IN SCH. 40 SLEEVE
UNDISTURBED SOIL
CONTROL WIRES IN SCH. 40 SLEEVE
PRESSURE MAINLINE IN SCH. 40 SLEEVE
SECTION VIEW - N.T.S.

PVC SLEEVES TO BE TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE CARRIED.

DIMENSION	A	B	C	D	E
DEPTH BELOW GRADE	24"	36"	36"	36"	6"

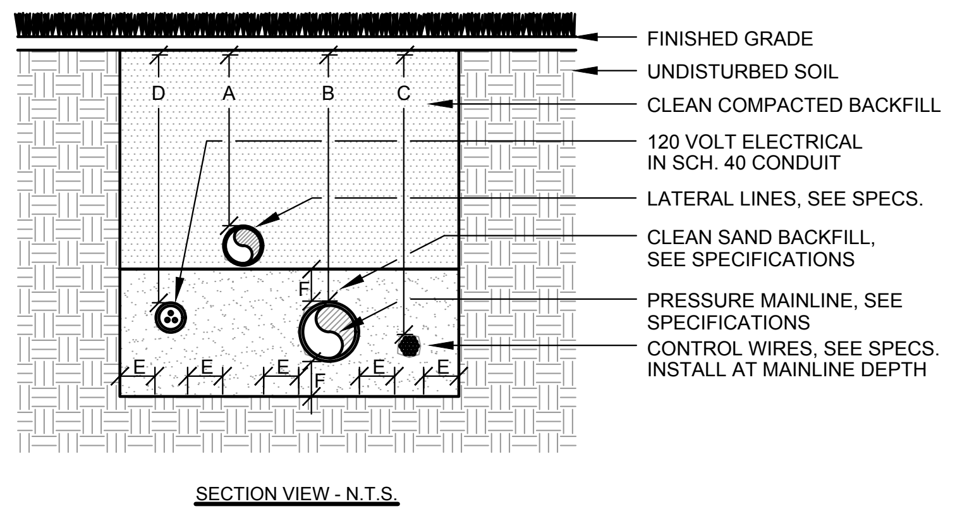


TIE A 36" LOOP IN ALL WIRING AT CHANGES OF DIRECTION GREATER THAN 30 DEGREES, UNTIE AFTER ALL CONECTIONS HAVE BEEN MADE.

NOTE:
ALL PVC MAINLINE, PVC LATERAL LINES, AND CONTROL WIRES SHALL BE SLEEVED BELOW ALL HARDSCAPE ELEMENTS WITH SCH. 40 PVC, 2 TIMES THE DIAMETER OF THE PIPE OR WIRE BUNDLE WITHIN.
ALL CURBS SHALL BE MARKED WITH A "SCORE" MARK TO DESIGNATE SLEEVE LOCATION. HORIZONTAL DIMENSION BETWEEN SLEEVES SHALL BE A MINIMUM OF 4 INCHES DEPTHS OF SLEEVES, BACKFILL, AND COMPACTION OF TRENCH SHALL BE IN ACCORDANCE WITH STANDARD PLAN NO. 223 FOR CROSSINGS OF STREETS AND SHALL BE IN ACOORDANCE STANDARD PLAN NO. 500 FOR CROSSINGS OF PARKING LOTS, SIDEWALKS, OR OTHER HARDSCAPE ELEMENTS.

VERIFY & INCORPORATE LOCAL AGENCY BACKFILL REQUIREMENTS.

O SLEEVE INSTALLATION

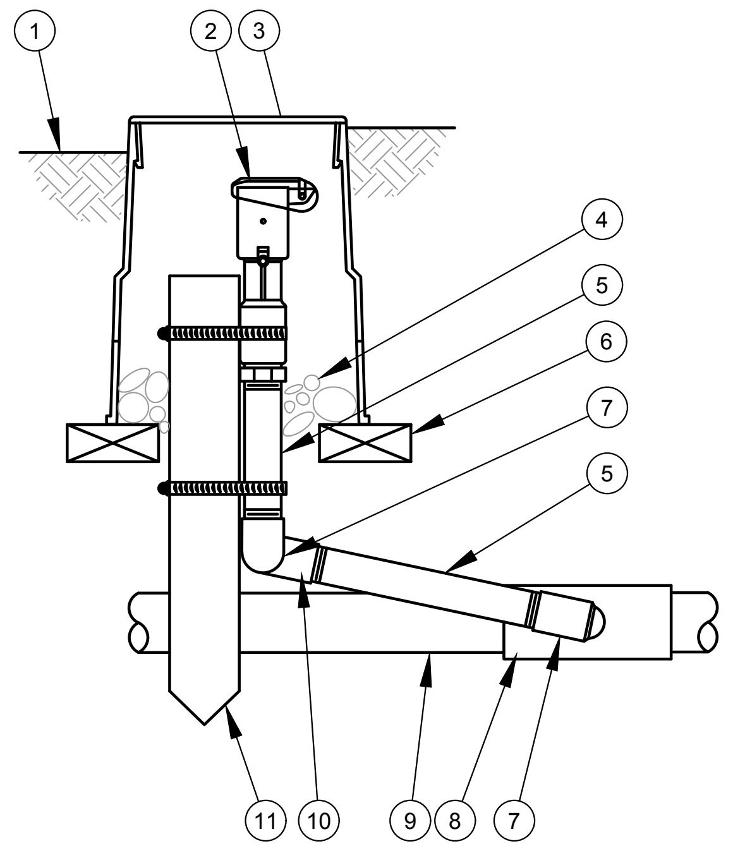

D
A
B
C
E
F
FINISHED GRADE
UNDISTURBED SOIL
CLEAN COMPACTED BACKFILL
120 VOLT ELECTRICAL IN SCH. 40 CONDUIT
LATERAL LINES, SEE SPECS.
CLEAN SAND BACKFILL, SEE SPECIFICATIONS
PRESSURE MAINLINE, SEE SPECIFICATIONS
CONTROL WIRES, SEE SPECS. INSTALL AT MAINLINE DEPTH
SECTION VIEW - N.T.S.

DIMENSION	A	B	C	D	E	F
1/2" TO 1 1/2" SIZE	12"	18"	18"	30"	6"	6"
2" TO 2 1/2" IN SIZE	12"	24"	24"	30"	6"	6"
3" AND LARGER	18"	24"	24"	☒	6"	6"

NOTE:
ALL PLASTIC PIPING SHALL BE SNAKED WITHIN TRENCH.
BUNDLE WIRING AND WRAP WITH TAPE AT TEN FOOT INTERVALS.
ALL MAINLINE PIPING TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTALLATION SPECIFICATIONS.

VERIFY & INCORPORATE LOCAL AGENCY BACKFILL REQUIREMENTS.

N PIPE INSTALLATION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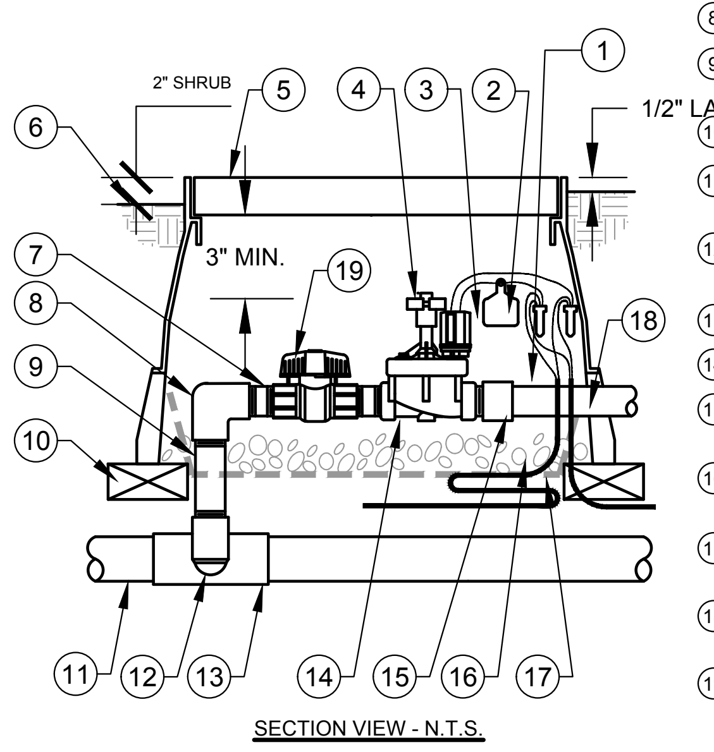
1. FINISH GRADE: 2" MIN. BELOW LID AT SHRUB BED, ½" MIN. AT LAWN AREA
2. QUICK-COUPLING VALVE PER IRRIGATION MATERIAL LEGEND
3. 6" DIA. ROUND VALVE BOX WITH LOCKABLE LID; HEAT BRAND Q.C. ONTO LID
4. 1 CU. FT. OF 3/4-INCH WASHED GRAVEL, 3-INCH MINIMUM DEPTH
5. PVC SCH 80 NIPPLE (LENGTH AS REQ'D)D
6. BRICK SUPPORTS 24 REQUIRED)
7. PVC SCH 40 STREET ELL
8. PVC SCH 40 TEE OR ELL
9. MAINLINE PIPE, PER IRRIGATION MATERIAL LEGEND
10. PVC SCH 40 ELL
11. 2"X2" REDWOOD STAKE WITH (2) STAINLESS STEEL GEAR CLAMPS OR EQUIVALENT SUPPORT SYSTEM

NOTE
1. FURNISH FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLING VALVE INLET SIZE.

M QUICK COUPLER VALVE

① TWO-WIRE CABLE
② WATERPROOF WIRE CONNECTOR: PER IRRIGATION MATERIALS LEGEND
③ VALVE ID TAG, PER IRR. MAT'L LEGEND
④ REMOTE CONTROL VALVE: PER IRRIGATION MATERIALS LEGEND
⑤ RECTANGULAR VALVE BOX WITH LOCKABLE LID; HEAT BRAND VALVE I.D. NUMBER ONTO LID
⑥ FINISH GRADE: 2" MIN. BELOW LID AT SHRUB BED, ½" MIN. AT LAWN AREA
⑦ PVC SCH 80 CLOSE NIPPLE
⑧ PVC SCH 80 ELL
⑨ PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
⑩ BRICK SUPPORTS (4 REQUIRED)
⑪ PVC MAINLINE PIPE, PER IRRIGATION MATERIALS LEGEND
⑫ SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 80 ELL
⑬ PVC SCH 80 TEE OR ELL
⑭ PVC SCH 40 MALE ADAPTER
⑮ PVC LATERAL PIPE, PER IRRIGATION MATERIALS LEGEND
⑯ 3 CU. FT. OF 3/4-INCH WASHED GRAVEL, 3-INCH MINIMUM DEPTH
⑰ LANDSCAPE FABRIC TO COVER BOTTOM & ALL SIDES OF VALVE BOX
⑱ USE STANDARD BOX OPENINGS FOR LATERAL PIPE; DO NOT CUT BOX
⑲ BALL VALVE (LINE SIZE)


2" SHRUB
5
4
3
2
1
1/2" LAWN
6
3" MIN.
19
7
8
9
10
18
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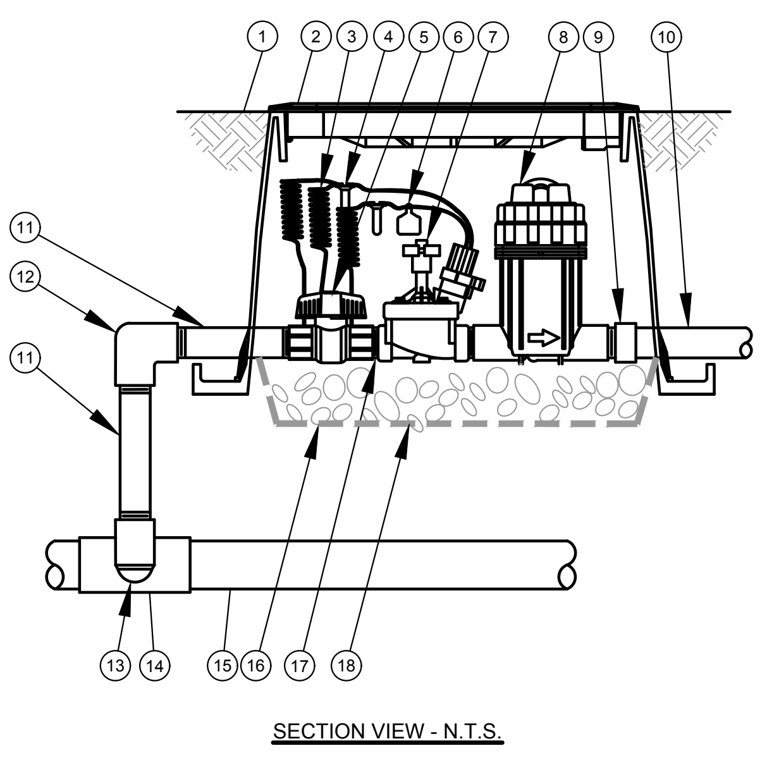
12
13
14
15
16
17
SECTION VIEW - N.T.S.

L ELECTRIC CONTROL VALVE (BUBBLER)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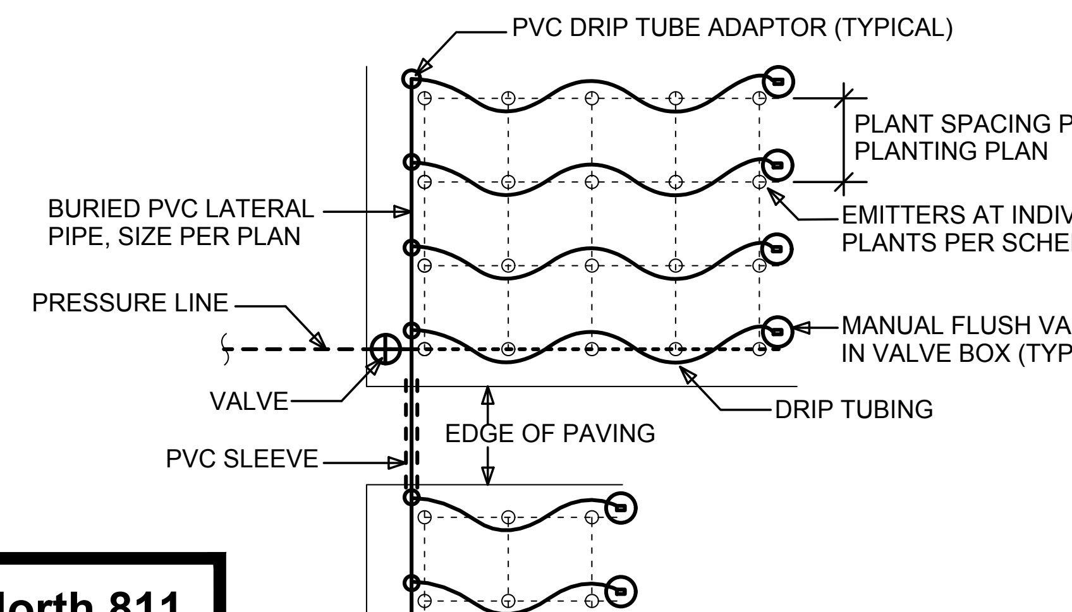
18
SECTION VIEW - N.T.S.

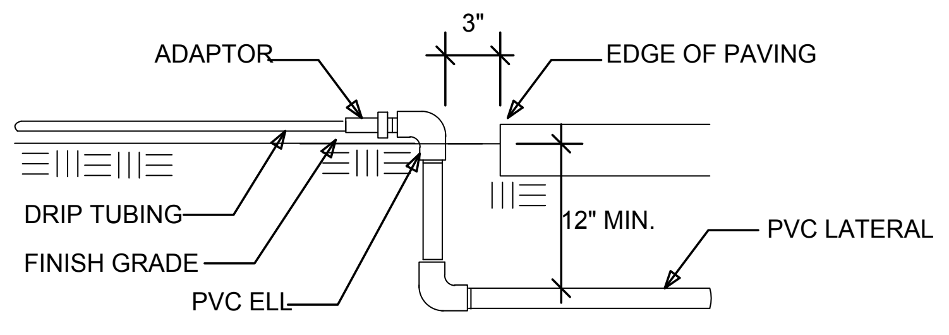
1. FINISH GRADE/TOP OF MULCH
2. RECTANGULAR VALVE BOX WITH LOCKABLE LID; HEAT BRAND VALVE I.D. NUMBER ONTO LID
3. 30-INCH LINEAR LENGTH OF WIRE, COILED
4. WATERPROOF WIRE CONNECTOR
5. 1-INCH BALL VALVE (INCLUDED)
6. VALVE ID TAG, PER IRR. MAT'L LEGEND
7. REMOTE CONTROL VALVE (INCLUDED)
8. PRESSURE REGULATING BASKET FILTER (INCLUDED)
9. PVC SCH 40 FEMALE ADAPTOR
10. LATERAL PIPE, PER IRR. MAT'L LEGEND
11. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
12. PVC SCH 40 ELL
13. PVC SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL
14. PVC SCH 40 TEE OR ELL
15. MAINLINE PIPE, PER IRR. MAT'L LEGEND
16. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
17. PVC SCH 80 NIPPLE, CLOSE (INCLUDED)
18. LANDSCAPE FABRIC TO COVER BOTTOM & ALL SIDES OF VALVE BOX

K ELECTRIC CONTROL VALVE (DRIP)


PVC DRIP TUBE ADAPTOR (TYPICAL)
PLANT SPACING PER PLANTING PLAN
BURIED PVC LATERAL PIPE, SIZE PER PLAN
EMITTERS AT INDIVIDUAL PLANTS PER SCHEDULE
PRESSURE LINE
MANUAL FLUSH VALVE IN VALVE BOX (TYPICAL)
VALVE
DRIP TUBING
EDGE OF PAVING
PVC SLEEVE

NOTE:
PLACE END OF DRIP TUBE 3 FOOT MAXIMUM FROM EDGE OF HARDSCAPE IN VALVE BOX WITH FLUSH VALVE AS SHOWN (TYPICAL).
SEE ADDITIONAL DETAIL FOR PLACEMENT OF EMITTERS.

PLAN VIEW

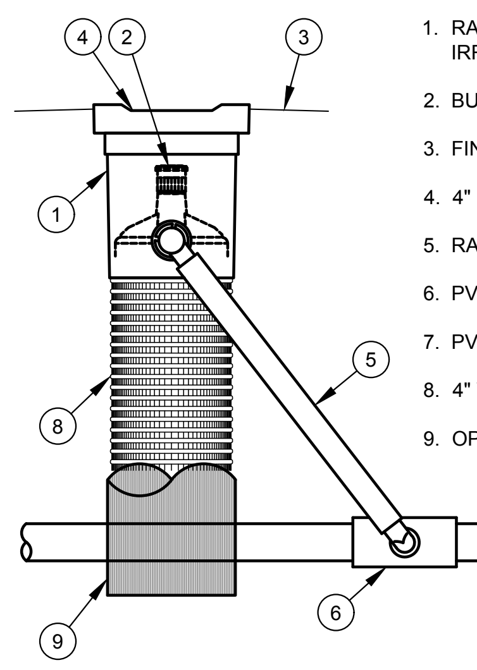

ADAPTOR
3"
EDGE OF PAVING
DRIP TUBING
FINISH GRADE
PVC ELL
12" MIN.
PVC LATERAL

NOTE:
DO NOT RUN DRIP TUBING BELOW GRADE.

SECTION

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

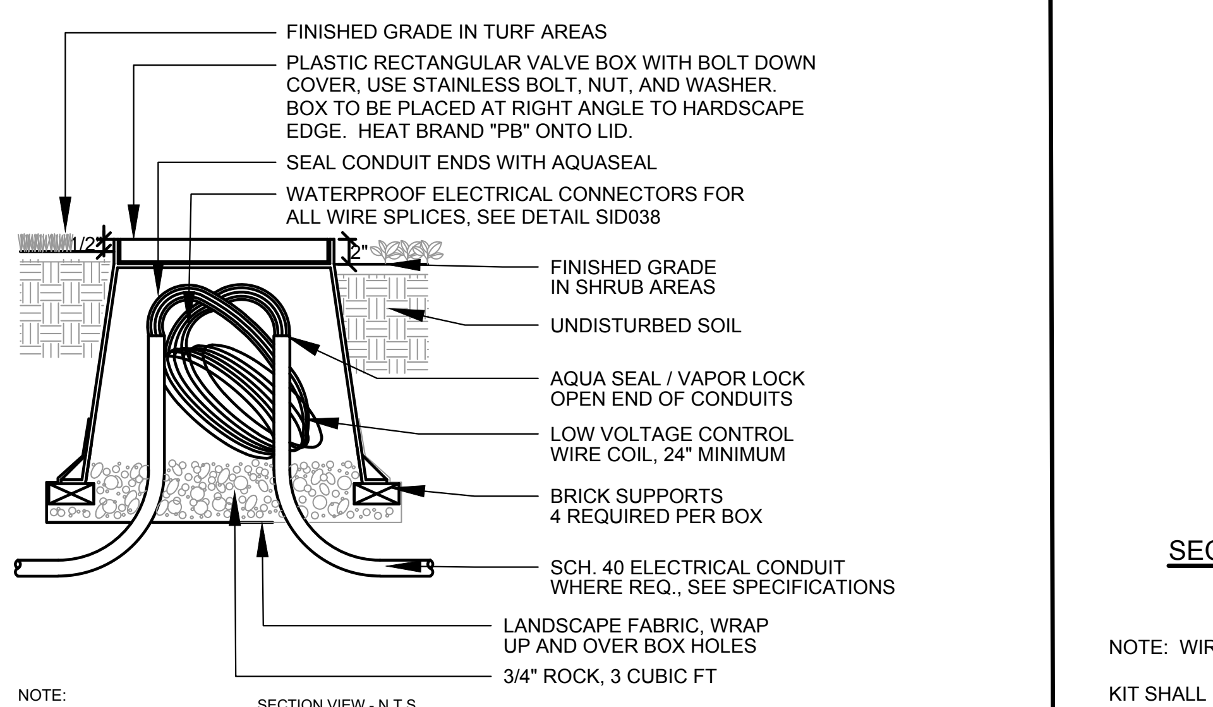
T DRIP TUBING SCHEMATIC LAYOUT



1. RAIN BIRD RWS ROOT WATERING SYSTEM, MODEL PER IRRIGATION MATERIALS LEGEND.
2. BUBBLER: RAIN BIRD 1402 0.5 GPM (INCLUDED)
3. FINISH GRADE/TOP OF MULCH
4. 4" LOCKING GRATE (INCLUDED)
5. RAIN BIRD SA-125050 1/2" SWING ASSEMBLY (INCLUDED)
6. PVC SCH 40 TEE OR EL
7. PVC LATERAL PIPE
8. 4" WIDE X 18" LONG SEMI-RIGID CANISTER (INCLUDED)
9. OPTIONAL SOCK (RWS-SOCK) FOR SANDY SOILS

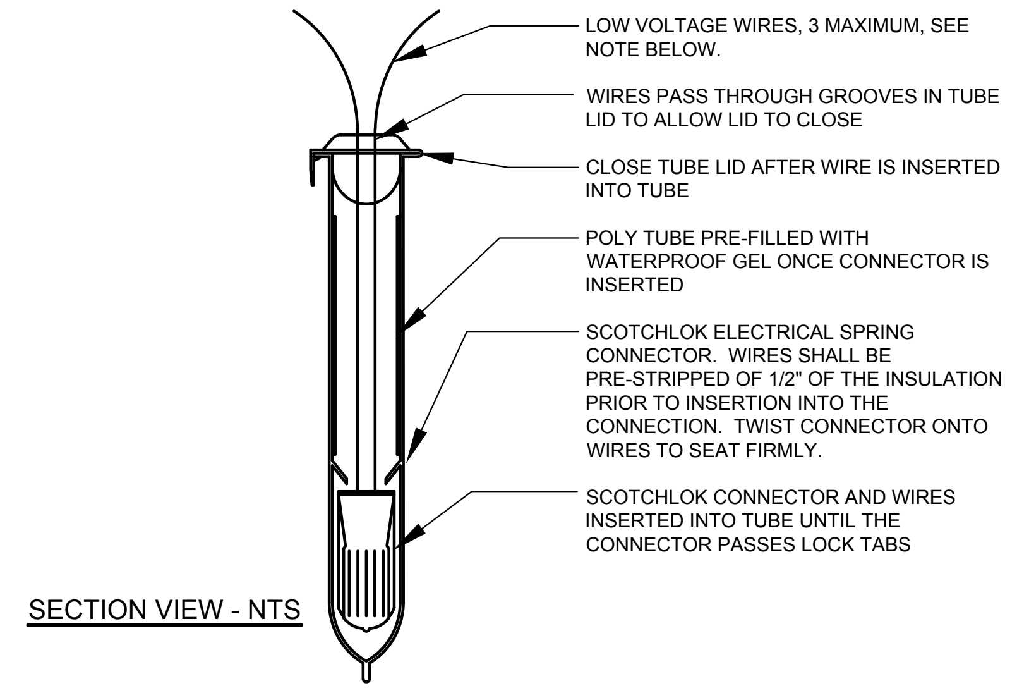
NOTES:
- INSTALL PRODUCT SO THAT THE GRATE IS EVEN WITH TOP OF MULCH.
- OPTIONAL SAND SOCK (RWS-SOCK) FOR SANDY SOIL. CUT TO LENGTH.
- WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD 3/4" GRAVEL UNDER AND AROUND THE UNIT TO ALLOW FASTER WATER INFILTRATION AND ROOT PENETRATION.
- ONCE RWS HAS BEEN INSTALLED, FILL THE BASKET WITH PEA GRAVEL BEFORE LOCKING LID.

R TREE BUBBLER (ROOT WATERING SYSTEM)


FINISHED GRADE IN TURF AREAS
PLASTIC RECTANGULAR VALVE BOX WITH BOLT DOWN COVER, USE STAINLESS BOLT, NUT, AND WASHER. BOX TO BE PLACED AT RIGHT ANGLE TO HARDSCAPE EDGE. HEAT BRAND "PB" ONTO LID.
SEAL CONDUIT ENDS WITH AQUASEAL
WATERPROOF ELECTRICAL CONNECTORS FOR ALL WIRE SPLICES, SEE DETAIL SID038
1/2"
2"
FINISHED GRADE IN SHRUB AREAS
UNDISTURBED SOIL
AQUA SEAL / VAPOR LOCK OPEN END OF CONDUITS
LOW VOLTAGE CONTROL WIRE COIL, 24" MINIMUM
BRICK SUPPORTS 4 REQUIRED PER BOX
SCH. 40 ELECTRICAL CONDUIT WHERE REQ., SEE SPECIFICATIONS
LANDSCAPE FABRIC, WRAP UP AND OVER BOX HOLES
3/4" ROCK, 3 CUBIC FT
SECTION VIEW - N.T.S.

NOTE:
ALL CONTROL WIRE SPLICES SHALL BE INSTALLED INSIDE PULL BOXES.
ALL SPLICES SHALL BE MADE IN ACCORDANCE WITH STANDARD PLAN NO. 516.
WRAP LANDSCAPE FABRIC AROUND SIDES AND BOTTOM OF BOX TO COVER ALL OPENINGS.
(POTABLE SYSTEMS - GREEN VALVE BOX LIDS / RECYCLED SYSTEMS - PURPLE VALVE BOX LIDS)

Q CONTROL WIRE PULL BOX


LOW VOLTAGE WIRES, 3 MAXIMUM, SEE NOTE BELOW.
WIRES PASS THROUGH GROOVES IN TUBE LID TO ALLOW LID TO CLOSE
CLOSE TUBE LID AFTER WIRE IS INSERTED INTO TUBE
POLY TUBE PRE-FILLED WITH WATERPROOF GEL ONCE CONNECTOR IS INSERTED
SCOTCHLOK ELECTRICAL SPRING CONNECTOR. WIRES SHALL BE PRE-STRIPPED OF 1/2" OF THE INSULATION PRIOR TO INSERTION INTO THE CONNECTION. TWIST CONNECTOR ONTO WIRES TO SEAT FIRMLY.
SCOTCHLOK CONNECTOR AND WIRES INSERTED INTO TUBE UNTIL THE CONNECTOR PASSES LOCK TABS
SECTION VIEW - NTS

NOTE: WIRE CONNECTOR SHALL BE A 3M DBY-6 DIRECT BURY SPLICE KIT.

KIT SHALL INCLUDE A SCOTCHLOK Y-SPRING CONNECTOR, A POLYPROPYLENE TUBE AND A WATERPROOF SEALING GEL. TUBE SHALL BE SUPPLIED PREFILLED WITH GEL.

DIRECT BURY SPLICE KIT SHALL BE USED TO ELECTRICALLY CONNECT 2 - 3 #14 OR 2 #12 PRE-STRIPPED COPPER WIRES. LARGER WIRES OR GREATER QUANTITIES OF WIRES REQUIRE A LARGER APPROVED WIRE CONNECTION.

P WIRE CONNECTOR

JBLA
Jim Burrows
Landscape Architecture
979 OSOS STREET, SUITE B6
SAN LUIS OBISPO, CA 93401
(805) 439-3209

James L. Burrows No. 2737
12/31/2025
Renewal Date
04/30/2025
Date

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	DATE	REVISION
1	04/30/25	plants per County list
2		
3		
4		
5		
6		

OWNER:
CAMBRIA COMMUNITY
SERVICES DISTRICT
1640 1316 TAMSON DRIVE, SUITE 201
CAMBRIA, CALIFORNIA 93428

PROJECT:
CAMBRIA SKATE PARK
MAIN STREET
CAMBRIA, CALIFORNIA

ISSUED: 04/30/2025
PLAN SET 'B'
JBLA PLAN CONTROL

IRRIGATION DETAILS

DESIGNED JBLA
DRAWN JBLA
CHECKED JBLA
DATE 04/30/2025
JOB NO. 24-117
SHEET NUMBER
L-2
2 OF 6 SHEETS

PLOT DATE: 4/30/2025 - FILE: /Users/jamesburrows/Documents/_JBLA_/JBLA Job Folder/24-117 Cambria CSD Skate Park CDs (CDS)/JBLA/JBLA-Cambria CSD Skate Park-IRR DTL.dwg

SECTION 32 84 00 (SECTION 02810)

LANDSCAPE IRRIGATION

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Contractor will furnish all labor, materials, products, supplies, equipment, tools and transportation; perform all operations to complete installation of the irrigation system; and warranty of the irrigation system. The work will include, but not be limited to the following:
  1. Procurement of all applicable licenses, permits, and fees.
  2. Ascertainment of utility locations prior to construction.
  3. Site inspection.
  4. Installation of pipe and fittings, valves, sprinkler heads, drip tubing, emitters, and accessories.
  5. Backflow prevention system.
  6. Control system and accessories.
  7. Cleanup, inspection, and approval.
  8. Warranty of the irrigation system.

1.02 GENERAL

A. It is the intent of the specifications and drawings that the Contractor will provide and install a finished system which is complete in every respect and will be ready for operation satisfactory to the Owner and/or Owner's authorized representative (hereinafter called the Owner).

B. The work will include all materials, labor, services, transportation, and equipment necessary to perform the work as indicated on the drawings, in these specifications, and as necessary to complete the contract.

C. Due to the scale of the drawings, it is not possible to indicate all offsets, fittings, sleeves, etc. which may be required. The Contractor will carefully investigate the structural and finished conditions affecting all of his work and plan his work accordingly, furnishing such fittings, etc. as may be required to meet such conditions. Drawings are generally diagrammatic and indicative of the work to be installed. The work will be installed in such a manner as to avoid conflicts between irrigation systems, planting, and architectural features.

D. All work called for on the drawings by notes or details will be furnished and installed whether or not specifically mentioned in the specifications. When an item is shown on the plans but not shown on the specifications or vice versa, it will be deemed to be as shown on both. The Landscape Architect will have final authority for clarification.

E. The Contractor will not willfully install the irrigation system as shown on the drawings when it is obvious in the field that obstructions, grade differences or discrepancies in area dimensions exist that might not have been considered in engineering. Such obstructions or differences should be brought to the attention of the Landscape Architect as soon as detected. In the event this notification is not performed, the Irrigation Contractor will assume full responsibility for any revision necessary.

1.03 RELATED SECTIONS

  1. Section 32 93 00, Landscape Planting

1.04 REFERENCES

A. The following is a list of standards which may be referenced in this section:
  1. ASTM A53: Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
  2. ASTM D1784 - Specification for Rigid PVC Compounds and CPVC Compounds.
  3. ASTM D1785 - Standard Specification for PVC Plastic Pipe, Schedules 40, 80, and 120.
  4. ASTM D2241 - Standard Specification for Polyvinyl Chloride (PVC) Pressure-Rated Pipe (SDR Series).
  5. ASTM D2464 - Standard Specification for Threaded Polyvinyl Chloride (PVC) Plastic Pipe Fittings, Schedule 80.
  6. ASTM D2466 - Standard Specification for Polyvinyl Chloride (PVC) Plastic Pipe Fittings, Schedule 40.
  7. ASTM D2467 - Standard Specification for Polyvinyl Chloride (PVC) Plastic Pipe Fittings, Schedule 80.
  8. ASTM D2564 - Standard Specification for Solvent Cements for Polyvinyl Chloride (PVC) Plastic Pipe Systems.
  9. ASTM D2672 - Standard Specification for Polyvinyl Chloride (PVC) Joints Using Solvent Cement.
  10. ASTM D3139 - Joints for Plastic Pressure Pipe Using Flexible Elastomeric Seals.
  11. ASTM D3350 - Standard Specification for Polyethylene Plastics Pipe and Fittings Materials.
  12. ASTM F477 - Elastomeric Seals (Gaskets) for Joining Plastic Pipe.
  13. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum); National Electrical Manufacturers Association.

1.05 DEFINITIONS

A. Mainline: Supply pipe from water source point of connection (POC) to remote control valves which is always pressured with water when master control valve, if specified, is open.

B. Lateral Line: Water delivery pipe downstream from remote control valve which is pressured with water only when the remote control valve is open.

C. Low voltage: As defined in NFPA 70 for circuits and equipment operating at less than 50 V or for remote-control, signaling power-limited circuits.

D. Spare Control Wire: Control wire that is intended as a backup in case of faults or unknown conditions.

1.06 SUBMITTALS

A. Materials List:
  1. After award of contract and before any irrigation system materials are ordered from suppliers or delivered to the job site, submit to the Owner a complete list of all irrigation system materials, products and processes proposed to be furnished and installed as part of this contract. To illustrate compliance with the Project Documents.
  2. The submittals will include the following information:
    a. A title sheet with the job name, the Contractor's name, address and telephone number, submittal date and submittal number.
    b. An index sheet showing the item number (i.e. 1,2,3, etc.); an item description (i.e. sprinkler head); the manufacturer's name (i.e. Hunter Industries); the item model number (i.e. I-40-ADV/36V); and the page(s) in the submittal set that contain the catalog cuts.
    c. The catalog cuts will be one or two pages from the most recent manufacturer's catalog that indicate the product submitted. Do not submit parts lists, exploded diagrams, price lists or other extra information.
    d. The catalog cuts will clearly indicate the manufacturer's name and the item model number. The item model number, all specified options and specified sizes will be circled on the catalog cuts.
    e. Submittals for equipment indicated on the legend without manufacturer names, or "as approved", will contain the manufacturer, Class or Schedule, ASTM numbers and/or other certifications as indicated in these specifications.
    f. Submittal format requirements:
    i. Submittals will be provided as one complete package for the project. Multiple partial submittals will not be reviewed.
    ii. Submittal package will be stapled or bound in such a way as to allow for disassembly for review processing.
    iii. Submittal package will have all pages numbered in the lower right hand corner. Page numbers will correspond with submittal index.
  3. The Landscape Architect or Owner will allow no substitutions without prior written acceptance.
  4. Manufacturer's guarantees will not relieve the Contractor of his liability under the warranty. Such guarantees will only supplement the warranty.
  5. The Landscape Architect or Owner will not review the submittal package unless provided in the format described above.

B. Substitutions:
  1. If the Irrigation Contractor wishes to substitute any equipment or materials for those equipment or materials listed on the irrigation drawings and specifications, he may do so by providing the following information to the Landscape Architect or Owner for approval.
  2. Provide a written statement indicating the reason for making the substitution.
  3. Provide catalog cut sheets, technical data, and performance information for each substitute item.
  4. Provide in writing the difference in installed price if the item is accepted.

C. Record Drawings:
  1. Contractor will obtain a set of the project irrigation system before the start of work. This set of plans will be used for the sole purpose of generating and preparing Record Drawings. Actual locations and installation depths of irrigation system components will be drawn onto the Record Drawings plans as work proceeds, including:
    a. Pipes;
    b. Valves;
    c. Heads;
    d. Wiring;
    e. Controllers;
    f. Electrical service;
    g. Miscellaneous irrigation components.

  2. Contractor will show the location by dimensioning from two permanent references points all of the following (trees are not considered permanent reference points):
    a. Point of connection (POC);
    b. Mainline pipe and electrical conduit routing at all changes in direction and at 150-foot intervals on long straight runs;
    c. Low voltage wiring that does not parallel the mainline;
    d. Any direct burial equipment that does not have a utility box access from grade;
    e. All moisture sensor locations and their exact depth below grade;
    f. Other related items shown on plans or as may be directed by the Landscape Architect.

  3. Contractor will transfer all the above information onto the Record Drawings in a neat and clear manner. Sign and date the Record Drawings and provide a statement on each sheet indicating:

"Record Drawings are complete and accurate"

Submit Record Drawings to the Landscape Architect or Owner for review and approval. Complete and accurate Record Drawings are a condition of project acceptance and authorization for final payment. Record Drawings will be submitted at same sheet size and scale as original plans.

D. Controller Charts:
Upon approval of the Record Drawings, a reduced-size copy will be prepared as follows and attached to the inside cover of each irrigation controller:
  1. Prepare at a scale that will fit inside of controller enclosure. Scale shall be legible and no less than 1" = 50'. Use multiple pages as required.
  2. Color-code and label to demonstrate extent of each hydrozone, valve number and location, and location of all components, labels and dimensions provided in the Record Drawings as described in Section 1.06(C) above.
  3. Laminate all sheets with minimum 10 mil. Plastid.
  4. Submit and obtain approval of Landscape Architect or Owner prior to requesting final observation of irrigation system.

USA North 811

Know what's below.
Call before you dig.

1.07 QUALITY ASSURANCE

A. Site Supervisor: competent, experienced, and knowledgeable person who will be present at all times during execution of this portion of the work and who will be thoroughly familiar with the type of materials being installed and the manufacturer's recommended methods of installation and who will direct all work performed under this section.

B. Manufacturer's directions and detailed drawings will be followed in all cases where the manufacturer of articles used in this contract furnish directions covering points not shown in the drawings and specifications.

C. 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 will be carried out by the Contractor. Anything contained in these specifications will not be construed to conflict with any of the above rules and regulations of the same. However, when these specifications and drawings call for or describe materials, workmanship, or construction of a better quality, higher standard, or larger size than is required by the above rules and regulations, the provisions of these specifications and drawings will take precedence.

D. All materials supplied for this project will be new and free from any defects. All defective materials will be replaced immediately at no additional cost to Owner.

E. The Contractor will secure the required licenses and permits including payments of charges and fees, give required notices to public authorities, verify permits secured or arrangements made by others affecting the work of this section. State of California licensed Contractor is recommended.

F. All electrical equipment will be NEMA Type 3, waterproofed for exterior installations. All electrical work will conform to local codes and ordinances.

1.08 EXISTING CONDITIONS

A. The Contractor will verify and be familiar with the locations, size and detail of points of connection provided as the source of water, electrical supply, and telephone line connection to the irrigation system.

B. Irrigation design is based on the available static water pressure shown on the drawings. Contractor will verify static water on the project prior to the start of construction. Should a discrepancy exist, notify the Landscape Architect and Owner prior to beginning construction.

C. Prior to cutting into the soil, the Contractor will locate all cables, conduits, sewer septic tanks, and other utilities as are commonly encountered underground and he will take proper precautions not to damage or disturb such improvements. If a conflict exists between such obstacles and the proposed work, the Contractor will promptly notify the Landscape Architect and Owner who will arrange for relocations. The Contractor will proceed in the same manner if a rock layer or any other such conditions are encountered.

D. The Contractor will protect all existing utilities and features to remain on and adjacent to the project site during construction. Contractor will repair, at his own cost; all damage resulting from his operations or negligence.

E. The Irrigation Contractor will coordinate with the General Contractor for installation of required pipe and wire sleeves as shown on the plans. Refer to Section 2.02 (H) below.

F. The Contractor will verify and be familiar with the existing irrigation systems in areas adjacent to and within the Project area of work.

G. The Contractor will protect all existing irrigation systems, in areas adjacent to and within the project area of work, from damage due to his operations.

H. Contractor will notify Owner if any existing system is temporarily shut off, capped or modified. Provide 48-hour notice, prior to turning off or modifying any existing irrigation system.

I. The Contractor will repair or replace all existing irrigation systems, in areas adjacent to and within the project area of work, damaged by the construction of this project. Adjacent irrigation systems will be made completely operational and provide complete coverage of the existing landscaped areas. All repairs will be complete to the satisfaction of the Owner.

1.09 INSPECTIONS

A. The Contractor will permit the Landscape Architect and Owner to visit and inspect at all times any part of the work and will provide safe access for such visits.

B. Where the specifications require work to be tested by the Contractor, it will not be covered over until accepted by the Landscape Architect or Owner. The Contractor will be solely responsible for notifying the Landscape Architect and Owner, a minimum of 48 hours in advance, where and when the work is ready for testing. Should any work be covered without testing or acceptance, it will be, if so ordered, uncovered at the Contractor's expense.

C. Inspections will be required for the following at a minimum:
  1. System layout
  2. Pressure test of irrigation mainline (Six hours at 125 PSI or 120% of static water pressure, whichever is greater). Mainline pressure loss during test will not exceed 2 PSI.
  3. Coverage test of irrigation system. Test will be performed prior to any planting.
  4. Final inspection prior to start of maintenance period
  5. Final acceptance

D. Site observations and testing will not commence without the Record Drawings as prepared by the Irrigation Contractor. Record Drawings must complete and up to date for each site visit. Refer to Section 1.04.C Record Drawings.

E. Work that fails testing and is not accepted will be retested. Hourly rates and expenses of the Landscape Architect and Owner for re-inspection or retesting will be paid by the Irrigation Contractor at no additional expense to Owner.

1.10 DELIVERY, STORAGE, AND HANDLING

A. Use all means necessary to protect irrigation system materials before, during, and after installation and to protect the installation work and materials of all other trades. In the event of damage, immediately make all repairs and replacements necessary to the acceptance of the Landscape Architect or Owner and at no additional cost to the Owner.

B. Exercise care in handling, loading, unloading, and storing plastic pipe and fittings under cover until ready to install. Transport plastic pipe only on a vehicle with a bed long enough to allow the pipe to lay flat to avoid undue bending and concentrated external load. Store plastic pipe protected from direct sunlight. Support to prevent sagging and bending.

1.11 CLEANUP AND DISPOSAL

A. Dispose of waste, trash, and debris in accordance with applicable laws and ordinances and as prescribed by authorities having jurisdiction. Bury no such waste material and debris on the site. Burning of trash and debris will not be permitted. The Contractor will remove and dispose of rubbish and debris generated by his work and workmen at frequent intervals.

B. At the time of completion the entire site will be cleared of tools, equipment, rubbish and debris which will be disposed of off-site in a legal disposal area.

1.12 COMPLETION

A. Upon completion of the installation of the landscape and irrigation system the Landscape Architect or Owner will inspect the work, and if not accepted, will prepare a list of items ("punch list") to be completed by the Contractor. Punch list to be checked off by Contractor and submitted to Landscape Architect or Owner prior to any follow-up meeting to indicate that all punch list items have been completed. At that time the installation will be re-inspected and a Notice of Completion will be prepared by the Landscape Architect or Owner.

B. The Notice of Completion will state that the landscape and irrigation design was installed per the city-approved landscape design, irrigation and grading plans and meets or exceeds an average landscape irrigation efficiency of 0.71.

C. The Owner will have final authority on all portions of the work.

D. After the irrigation system has been completed, the Contractor will deliver Record Drawings per section 1.04(C) above and instruct Owner in the operation and maintenance of the irrigation system and will furnish a complete set of operating and maintenance instructions.

1.13 WARRANTY

A. The entire sprinkler system, including all work done under this contract, will be unconditionally warrantied against all defects and fault of material and workmanship, including settling of backfilled areas below grade, for a period of one (1) year following the filing of the Notice of Completion.

B. Should any problem with the irrigation system be discovered within the warranty period, it will be corrected by the Contractor at no additional expense to Owner within ten (10) calendar days of receipt of written notice from Owner. When the nature of the repairs as determined by the Owner constitute an emergency (i.e. broken pressure line) the Owner may proceed to make repairs at the Contractor's expense. Any and all damages to existing improvement resulting either from faulty materials or workmanship, or from the necessary repairs to correct same, will be repaired to the satisfaction of the Owner by the Contractor, all at no additional cost to the Owner.

C. Any settling of trenches which may occur during the one-year period following acceptance will be repaired to the Owner's satisfaction by the Contractor without any additional expense to the Owner. Repairs will include the complete restoration of all damage to planting, paving or other improvements of any kind as a result of the work.

D. Warranty will be submitted on Contractor's own letterhead, as follows:

WARRANTY FOR SPRINKLER IRRIGATION SYSTEM

We hereby warranty that the irrigation system we have furnished and installed is free from defects in materials and workmanship, and the work has been completed in accordance with the drawings and specifications, with ordinary wear and tear, unusual abuse, or neglect excepted. We agree to repair or replace any defective material during the period of one year from date of filing of the Notice of Completion and also to repair or replace any damage resulting from the repairing or replacing of such defects at no additional cost to the Owner. We will make such repairs or replacements within 10 calendar days following written notification by the Owner. In the event of our failure to make such repairs or replacements within the time specified after receipt of written notice from Owner, we authorize the Owner to proceed to have said repairs or replacements made at our expense and we will pay the costs and charges therefore upon demand.

PROJECT NAME:

PROJECT LOCATION:

CONTRACTOR NAME:

ADDRESS:

TELEPHONE:

SIGNED:

PART 2 - PRODUCTS

2.01 GENERAL

Use only new materials of the manufacturer, size and type shown on the drawings and specifications. Materials or equipment installed or furnished that do not meet Landscape Architect's or Owner's standards will be rejected and will be removed from the site at no expense to the Owner.

2.02 MATERIALS

A. AUTOMATIC CONTROLLER
  1. Automatic controller will be of the manufacturer, size, and type indicated on the drawings.
  2. Controller enclosure will be of the manufacturer, size, and type indicated on the drawings.

B. SENSORS
  1. Rain Sensor:
    a. Rain Sensor will be of the manufacturer, size, and type indicated on the drawings.
  2. Flow Sensor:
    a. Flow Sensor will be of the manufacturer, size, and type indicated on the drawings.

C. WATER METER
  1. Per Utility Plans; by others.

D. BACKFLOW PREVENTER
  1. Backflow preventer will be of the manufacturer, size, and type indicated on the drawings.
  2. Backflow preventer enclosure will be of the manufacturer, size, and type indicated on the drawings. Install Backflow preventer insulated cover if indicated on the drawings.

E. PRESSURE REGULATOR
  1. Install Pressure Regulator as indicated on the drawings whenever pressure exceeds 85 psi.

F. VALVES
  1. Ball Valves
    a. Ball valves will be of the manufacturer, size, and type indicated on the drawings.
    b. Ball valves will be constructed of PVC and will be fully ported. Ball valves will have threaded connections.
    c. All ball valves will have a minimum working pressure of not less than 150 PSI and will conform to Aw-NA standards.
  2. Remote Control Valves:
    a. Remote control valves will be of the manufacturer, size, and type indicated on the drawings.
    b. Remote control valves will be electrically operated.
  3. Master Control Valves:
    a. Master control valves will be of the manufacturer, size, and type indicated on the drawings.
    b. Master control valves will be electrically operated with "normally closed" operation.
  4. Quick Coupler Valves:
    a. Quick Coupler valves will be of the manufacturer, size, and type indicated on the drawings.

G. VALVE BOXES
  1. Valve boxes will be fabricated from a durable, weather-resistant plastic material resistant to sunlight and chemical action of soils, and will be of the manufacturer, size, and type indicated on the drawings.
  2. The valve box cover will be the color indicated on the drawings and will be secured with a hidden latch mechanism or bolts.
  3. Heat brand cover with identification of equipment and/or valve and controller number, as applicable.
  4. Provide valve box extensions as needed; extensions will be by the same manufacturer as the valve box.
  5. The plastic irrigation valve box cover will be an overlapping type.

H. PVC PIPE AND FITTINGS
  1. Mainline pipe 3/4 inch to 3 inch in diameter will be Class 315 solvent weld PVC. Pipe will conform to ASTM D2241.
  2. Lateral lines 3/4 inch to 3 inch in diameter downstream of the remote control valve will be Class 200 solvent weld PVC conforming to ASTM D2241.
  3. Sleeves (pipe and wire) 3/4 inch to 4 inch will be Schedule 40 solvent weld PVC conforming to ASTM D1785. Sleeves will be twice the diameter of pipe or wire bundle carried. Place below all paving, hardscape, etc. as noted per plan and at depth noted in details, and/or as directed by Owner. Sleeves cracked or broken will not be accepted.
  4. Pipe will be marked continuously with manufacturer's name, nominal pipe size, schedule or class, PVC type and grade, National Sanitation Foundation approval, Commercial Standards designation, and date of extrusion.
  5. All plastic pipe will be extruded of an improved PVC virgin pipe compound in accordance with ASTM D2672, ASTM D2241 or ASTM D1785.
  6. All solvent weld PVC fittings will be standard weight Schedule 40 (and Schedule 80 where specified on the irrigation detail sheet) and will be injection molded of an improved virgin PVC fitting compound. Slip PVC fittings will be the •deep socket" bracketed type. Threaded plastic fittings will be injection molded. All tees and ells will be side gated. All fittings will conform to ASTM D2464 and ASTM D2466.
  7. All threaded nipples will be standard weight Schedule 80 with molded threads and will conform to ASTM D1785.
  8. All solvent cementing of plastic pipe and fittings will be a two-step process, using primer and solvent cement applied per the manufacturer's recommendations. Cement will be of a fluid consistency, not gel-like or ropy. Solvent cementing will be in conformance with ASTM D2564 and ASTM D2855.
  9. When connection is plastic to metal, female adapters will be hand tightened, plus one turn with a strap wrench. Joint compound will be non-lead base Teflon paste, tape, or equal.

I. METAL PIPE AND FITTINGS
  1. Brass pipe will be 85 percent red brass, ANSI, IPS Standard 125 pounds, Schedule 40 screwed pipe.
  2. Fittings will be medium brass, screwed 125-pound class.
  3. Copper pipe and fittings will be Type "K" sweat soldered.

J. LOW VOLTAGE CONTROL WIRING
  1. Remote control wire will be direct-burial AWG-UF type, size as indicated on the drawings, and in no case smaller than 14 gauge.
  2. Connections will be of the manufacturer, size, and type as indicated on the drawings
  3. Ground wires will be white in color. Control wires will be red; however, where two or more controllers are used, the control wires will be a different color for each controller. These colors will be noted on the Record Drawings located inside controller door).
  4. Spare Control Wires:
    a. Install one (1) spare common wire the full length of the mainline.
    b. Install spare control wire(s) the full length of the mainline at a ratio of one (1) per each six (6) remote control valves. Provide a 36 inch loop at each valve.

K. IRRIGATION HEADS AND BUBBLERS
  1. Irrigation heads will be of the manufacturer, size, type, with radius of throw, operating pressure, and discharge rate indicated on the drawings.
  2. Tree Bubblers will be of the manufacturer, size, type, with radius of throw, operating pressure, and discharge rate indicated on the drawings

L. DRIP TUBING, FITTINGS AND EMITTERS
  1. Drip Tubing will be of the manufacturer, size, and type indicated on the drawings. ¼" distribution tubing will not be used without written consent of landscape architect or Owner.
  2. Fittings will be of the manufacturer, size, and type indicated on the drawings.
  3. Emitters will be of the manufacturer, size, type, operating pressure, and discharge rate as indicated on the drawings. Emitters will be pressure compensating
  4. Flush Valves will be of the manufacturer, size, and type indicated on the drawings.

M. CONCRETE
  1. All concrete shall be 3,000 psi at 28 days, transit mixed. Provide certifications with each delivery.

PART 3 - EXECUTION

3.01 SITE CONDITIONS

A. Inspections:
  1. Prior to all work of this section, carefully inspect the installed work of all other trades and verify that all such work is complete to the point where this installation may properly commence.
  2. Verify that irrigation system may be installed in strict accordance with all pertinent codes and regulations, the original design, the referenced standards, and the manufacturer's recommendations.
  3. Call Underground Service Alert (811) 48 hours prior to start of work. Locate and field mark underground utilities prior to excavation. Make provisions to protect underground utilities and facilities throughout construction operations.

B. Discrepancies:
  1. In the event of discrepancy, immediately notify the Landscape Architect or Owner.
  2. Do not proceed with installation in areas of discrepancy until all discrepancies have been resolved.

C. Grades:
  1. Before starting work, carefully check all grades to determine that work may safely proceed, keeping within the specified material depths with respect to finish grade.
  2. Final grades will be accepted by the Engineer of record and Landscape Architect before work on this section will be allowed to begin.

D. Field Measurements:
  1. Make all necessary measurements in the field to ensure precise fit of items in accordance with the original design. Contractor will coordinate the installation of all irrigation materials with all other work.
  2. All scaled dimensions are approximate. The Contractor will check and verify all size dimensions prior to proceeding with work under this section.
  3. Exercise extreme care in excavating and working near existing utilities. Contractor will be responsible for damages to utilities, which are caused by his operations or neglect.

E. Diagrammatic Intent:
The drawings are essentially diagrammatic. The size and location of equipment and fixtures are drawn to scale where possible. Provide offsets in pipe and changes in equipment locations as necessary to conform with structures and to avoid obstructions or conflicts with other work at no additional expense to Owner.

F. Layout:
  1. Prior to installation, the Contractor will stake out all pressure supply lines, routing and location of sprinkler heads, valves, backflow preventer, and automatic controller.
  2. Layout irrigation system and make minor adjustments required due to differences between site and drawings. Where pipe is shown on drawings under paved areas, but running parallel and adjacent to planted areas, install the pipe in the planted areas.

G. Water Supply:
Connections to, or the installation of, the water supply will be at the locations shown on the drawings. Minor changes caused by actual site conditions will be made at no additional expense to Owner.

H. Electrical Service:
  1. Connections to the electrical supply will be at the locations shown on the drawings. Minor changes caused by actual site conditions will be made at no additional expense to Owner.
  2. Contractor will make electrical connections to the irrigation controller. Electrical power source to controller locations will be provided by others.

3.02 TRENCHING

A. Excavations will be straight with vertical sides, even grade, and support pipe continuously on bottom of trench. Trenching excavation will follow layout indicated on drawings to the depths below finished grade and as noted. Where lines occur under paved area, these dimensions will be considered below subgrade.

B. Provide minimum cover of 18 inches on pressure supply lines.

C. Provide minimum cover of 18 inches for control wires.

D. Provide minimum cover of 36 inches on pressure supply lines under vehicular travel ways.

E. Provide minimum cover of 12 inches for lateral (non-pressure) lines.

F. Pipes installed in a common trench will have a 4-inch minimum space between pipes.

3.03 PIPE INSTALLATION

A. Pipe under existing pavement may be installed by jacking, boring, or hydraulic driving. No hydraulic driving is permitted under asphalt pavement.

B. Cutting or breaking of existing pavement is not permitted.

C. Carefully inspect all pipe and fittings before installation, removing dirt, scale, burrs, and reaming. Install pipe with all markings up for visual inspection and verification.

D. Remove all dented and damaged pipe sections.

E. All lines will have a minimum clearance of 4 inches from each other and 12 inches from lines of other trades.

F. Parallel lines will not be installed directly over each other.

G. In solvent welding, use only the specified primer and solvent cement and make all joints in strict accordance with the manufacturer's recommended methods including wiping all excess solvent from each weld. Allow solvent welds at least 15 minutes setup time before moving or handling and 24 hours curing time before filling.

H. PVC pipe will be installed in a manner which will provide for expansion and contraction as recommended by the pipe manufacturer.

I. Centerload all plastic pipe prior to pressure testing.

J. All threaded plastic-to-plastic connections will be assembled using Teflon tape or Teflon paste.

K. For plastic-to-metal connections, work the metal connections first. Use a non-hardening pipe dope an all threaded plastic-to-metal connections, except where noted otherwise. All plastic-to-metal connections will be made with plastic female adapters.

3.04 EQUIPMENT INSTALLATION

A. AUTOMATIC CONTROLLER
  1. The exact location of the controller will be approved by the Landscape Architect or Owner before installation.
  2. Construct concrete footings as indicated and as required to support the controller cabinet.
  3. Install and wire in conformance with manufacturer's published instructions and specifications.
  4. The Contractor will coordinate the electrical service to this location per Section 3.01.H Electrical Service, above. The Contractor is responsible for the final electrical hook up to the irrigation.
  5. Wire only one valve per station unless expressly directed by the drawings.

B. SENSORS
  1. Install per drawings and details.

C. BACKFLOW PREVENTER
  1. The exact location of the backflow preventer will be approved by the Landscape Architect or Owner before installation.
  2. Install per drawings and details.

D. VALVES AND PRESSURE REGULATOR
  1. Remote control valves, pressure regulator (where required), quick coupler, and ball valves are to be installed in the approximate locations indicated on the drawings.
  2. Valve will be installed in shrub areas whenever possible.
  3. Install all valves as indicated in the details and drawings.

E. VALVE BOXES
  1. Valve boxes will be installed in shrub areas whenever possible.
  2. Each valve box will be installed with brick supports and 3/4-inch washed gravel backfill, 3-inch minimum depth, per details. Valve boxes will be installed with their tops 1/2 inch above the surface of surrounding finish grade in lawn areas and 2 inches above finish grade in ground cover areas.
  3. Valves to be installed in valve boxes will be installed one valve per box.

F. IRRIGATION HEADS AND BUBBLERS
  1. Sprinkler heads and bubblers will be installed as indicated on the drawings.
  2. Sprinkler nozzles will be adjusted as required for proper arc and radius of coverage, gallonage discharge, and proper and adequate distribution of the water over the coverage pattern of the sprinkler, per manufacturer's specifications.
  3. Riser nipples will be of the same size as the riser opening in the sprinkler body.
  4. Lawn Sprinkler Heads
    a. Install lawn sprinkler heads where indicated on the plans and in accordance with the manufacturer's recommendations.
    b. Along walks and driveways where finished grade is established, set all heads one-quarter inch (¼") below surface of pavement at time of installation and one and one-half inches (1-1/2") from pavement. Stake all temporary risers.
    c. Set all heads to final grade where lawn will be installed.

G. DRIP TUBING, FITTINGS AND EMITTERS
  1. Emitters will be installed as indicated on the drawings.
  2. Spacing of Emitters will not exceed maximum indicated on the drawings.

H. MISCELLANEOUS EQUIPMENT
  1. Install all assemblies specified herein according to the respective detail drawings or specifications, using best standard practices.
  2. Install devices such as rain sensors, master valves, basket strainers and flow sensors as indicated on the drawings and as recommended by the manufacturer.

3.05 PIPE INSTALLATION

A. Pipe under existing pavement may be installed by jacking, boring, or hydraulic driving. No hydraulic driving is permitted under asphalt pavement.

B. Cutting or breaking of existing pavement is not permitted.

C. Carefully inspect all pipe and fittings before installation, removing dirt, scale, burrs, and reaming. Install pipe with all markings up for visual inspection and verification.

D. Remove all dented and damaged pipe sections.

E. All lines shall have a minimum clearance of 4 inches from each other and 12 inches from lines of other trades.

F. Parallel lines shall not be installed directly over each other.

G. In solvent welding, use only the specified primer and solvent cement and make all joints in strict accordance with the manufacturer's recommended methods including wiping all excess solvent from each weld. Allow solvent welds at least 15 minutes setup time before moving or handling and 24 hours curing time before filling.

H. PVC pipe shall be installed in a manner which will provide for expansion and contraction as recommended by the pipe manufacturer.

I. Centerload all plastic pipe prior to pressure testing.

J. All threaded plastic-to-plastic connections shall be assembled using Teflon tape or Teflon paste.

K. For plastic-to-metal connections, work the metal connections first. Use a non-hardening pipe dope an all threaded plastic-to-metal connections, except where noted otherwise. All plastic-to-metal connections shall be made with plastic female adapters.

3.06 LOW VOLTAGE CONTROL WIRING

  1. Low voltage control wiring will occupy the same trench and will be installed along the same route as the pressure supply lines (mainline) whenever possible.
  2. Where more than one wire is placed in a trench, the wiring will be taped together in a bundle at intervals of 10 feet. Bundle will be secured to the mainline with tape at intervals of 20 feet.
  3. Where low voltage control wiring cannot be located in same trench and route as pressure supply lines, install in schedule 40 electrical conduit, 18" minimum depth and twice the diameter of the wire bundle carried, with 3" wide detectable electrical marking tape with minimum 6" clear above pipe.
  4. All connections will be of an approved type and will occur in a valve box. Provide an 18-inch service loop at each connection.
  5. An expansion loop of 12 inches will be provided at each wire connection and/or directional change, and one of 24 inches will be provided at each remote control valve.
  6. A continuous run of wire will be used between a controller and each remote control valve. Under no circumstances will splices be used without prior approval.

3.07 BACKFILLING

A. Verify local backfill requirements. Unless otherwise specified by local codes and ordinance, backfill material on all lines will be the same as adjacent soil, free of debris, litter, and rocks over 1/2 inch in diameter.

B. Backfill will be tamped in 4-inch layers under the pipe and uniformly on both sides for the full width of the trench and the full length of the pipe. Backfill materials will be sufficiently damp to permit thorough compaction, free of voids. Backfill will be compacted to dry density equal to adjacent undisturbed soil and will conform to adjacent grades.

C. Flooding trenches in lieu of tamping is not allowed.

D. Under no circumstances will truck wheels be used to compact backfill.

E. Provide sand backfill a minimum of 4 inches over and under all pipe below paved areas.

3.08 FLUSHING THE SYSTEM

A. Prior to installation of irrigation heads, the valves will be opened and a full head of water used to flush out the lines and risers.

B. Irrigation heads will be installed after flushing the system has been completed.

3.09 ADJUSTING THE SYSTEM

A. Contractor will adjust valves, align heads, and check the coverage of each system prior to coverage test.

B. If it is determined by the Landscape Architect or Owner that additional adjustments or nozzle changes will be required to provide proper coverage, all necessary changes or adjustments will be made prior to any planting.

C. The entire system will be operating properly before any planting operations commence.

D. Remote control valves are to be adjusted so that the irrigation heads and drip emitters operate at the pressure recommended by the manufacturer.

3.10 TESTING AND OBSERVATION

A. Do not allow or cause any of the work of this section to be covered up or enclosed until it has been observed, tested and accepted by the Landscape Architect or Owner.

B. The Contractor will be solely responsible for notifying the Landscape Architect or Owner a minimum of 48 hours in advance, where and when the work is ready for testing.

C. When the sprinkler system is completed, the Contractor will perform a coverage test of each system in its entirety to determine if the water coverage for the planted areas is complete and adequate in the presence of the Landscape Architect or Owner.

D. The Contractor will furnish all materials and perform all work required to correct any inadequacies of coverage due to deviations from the plans, or where the system has been willfully installed as indicated on the drawings when it is obviously inadequate, without bringing this to the attention of the Landscape Architect. This test will be accepted by the Landscape Architect or Owner and accomplished before starting any planting.

E. Final planting inspection will not commence without Record Drawings as prepared by the Irrigation Contractor.

3.11 MAINTENANCE

During the maintenance period the Contractor will adjust and maintain the irrigation system in a fully operational condition providing complete irrigation coverage to all intended plantings.

3.12 COMPLETION CLEANING

Clean up will be made as each portion of the work progresses. Refuse and excess dirt will be removed from the site, all walks and paving will be broomed, and any damage sustained on the work of others will be repaired to original conditions.

END OF SECTION

JBLA
Jim Burrows
Landscape Architecture
979 OSOS STREET, SUITE B6
SAN LUIS OBISPO, CA 93401
(805) 439-3209

James L. Burrows No. 2737
Jim Burrows
Signature
12/31/2025
Renewal Date
04/30/2025
Date

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	DATE	REVISION
1	04/30/25	plants per County list
2		
3		
4		
5		
6		

OWNER:
CAMBRIA COMMUNITY SERVICES DISTRICT
1640 1316 TAMSON DRIVE, SUITE 201
CAMBRIA, CALIFORNIA 93428

PROJECT:
CAMBRIA SKATE PARK
MAIN STREET
CAMBRIA, CALIFORNIA

ISSUED: 04/30/2025

PLAN SET 'B'

IRRIGATION SPECIFICATIONS

JBLA PLAN CONTROL

DESIGNED JBLA
DRAWN JBLA
CHECKED JBLA
DATE 04/30/2025
JOB NO. 24-117
SHEET NUMBER

L-3

3 OF 6 SHEETS

PLOT DATE: 4/30/2025 - FILE: /Users/jamesburrows/Documents/_JBLA_/JBLA Job Folder/24-117 Cambria CSD Skate Park CDs (CDS)/JBLA/JBLA-Cambria CSD Skate Park-IRR DTL.dwg

GENERAL PLANTING NOTES

1. Refer to “Section 32 93 00 (Section 02900) Landscape Planting” for all planting procedures and requirements. The following notes include excerpts from these specifications for convenience. In case of discrepancy between these note and plans, the specifications shall prevail.
2. At the conclusion of rough grading, a soil analysis report shall be prepared per section 1.02 GENERAL (A). The Contractor will incorporate all Soils Report recommendations and will submit documentation to the Owner verifying implementation of all recommendations, per specifications.
3. Tree locations shown on plan may require adjustment in the field. Whenever feasible, trees should be planted a minimum of ten (10) feet from underground utilities, streetlights, hydrants, and out of drainage flow lines. Should this not be possible, contact the Landscape Architect or Owner for decision on placement.
4. Trees shall not be planted closer than four (4) feet from any walkway, driveway, curb or sidewalk except where tree wells or parkways are provided in the right-of-way. All trees planted within six (6) feet of walkway, driveway, curb, sidewalk or public utilities shall receive deep root barriers, per detail; do not wrap root ball.
5. Trees to be fully rooted but not root-bound, with a minimum caliper size of 1.5", displaying good branch structure, not diseased and in generally healthy condition. Refer to section 2.04 TREES, SHRUBS, AND GROUND COVERS (B).
6. All container grown plant materials must meet standard industry specifications for the container size indicated per section 2.04 TREES, SHRUBS, AND GROUND COVERS (B). If the contractor cannot locate material of acceptable size and specified species at the time of installation, contact Landscape Architect or Owner for approval of container size and/or species substitution. Downsizing or substitution of plant material without prior approval of Landscape Architect or Owner will not be acceptable.
4. Ground cover type shown shall be planted in planting areas as specified on plans. Groundcover shall be planted at uniform triangular spacing, per Plant Material Legend, and shall be continuous under tree canopies as shown on plan.
5. Plant materials shall not interfere with utilities and traffic sight lines.
6. When planting in established planting areas, contractor shall take utmost care to avoid damage to any existing plants or trees which are to be preserved per section 3.02 PREPARATION (F) Protection of Existing Features.
7. Contractor to provide copies of soil amendment delivery tickets to the Owner at the final inspection, prior to beginning of the maintenance period, per section 3.02 PREPARATION (A.2).
8. All planting areas to receive mulch layer, at depth specified, per legend and specifications
9. Contractor to contact the Owner for a final inspection of the landscape once all work is complete, prior to beginning of the maintenance period, per section 3.09 MAINTENANCE (A).
10. Contractor to warranty all work under these plans and specifications per section 3.10 WARRANTY (A).

EXISTING TREE PROTECTION NOTES

TREE PROTECTION FENCE NOTES

1. INSTALL 4’ HEIGHT TREE PROTECTION FENCE (TPF) TO PROTECT CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES. LOCATE FENCE SIX (6) FEET BEYOND TREE CANOPY DRIPLINE, WHICH IS CONSIDERED TO BE THE LIMIT OF CRZ.
2. TREE PROTECTION FENCE (TPF) SHALL BE INSTALLED PRIOR TO ANY SITE WORK. TPF SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. REMOVE TPF ONLY AFTER ALL SITE WORK HAS BEEN COMPLETED.
3. WEATHER-RESISTANT SIGN TO BE POSTED ON FENCE. SIGN SHALL READ “NO ENTRY-TREE PROTECTION AREA.”

TREE PROTECTION GUIDELINES:

4. ANY REQUIRED TRENCHING SHOULD BE ROUTED IN A MANNER THAT MINIMIZES ROOT DAMAGE.
5. ALL WORK CONDUCTED IN THE GROUND WITHIN THE ROOT PROTECTION AREA OF ANY PROTECTED TREE SHOULD BE ACCOMPLISHED WITH HAND TOOLS.
6. CONSTRUCTION ACTIVITY SHOULD BE DIVERTED FROM THE CRITICAL ROOT ZONE. CUTTING OF ROOTS SHOULD BE AVOIDED (I.E., PLACE PIPES AND CABLES BELOW UNCUT ROOTS).
7. THE CRITICAL ROOT ZONE SHOULD BE IRRIGATED SUFFICIENTLY WITH CLEAN, POTABLE WATER TO KEEP THE TREE IN GOOD HEALTH AND VIGOR BEFORE, DURING, AND AFTER CONSTRUCTION. THIS MAY MEAN DEEPLY SOAKING THE GROUND PERIODICALLY.
8. NO CONSTRUCTION STAGING OR DISPOSAL OF CONSTRUCTION MATERIALS OR BYPRODUCTS IS ALLOWED WITHIN THE CRITICAL ROOT ZONE.
9. TREE PROTECTION NOTE: CONTACT THE CITY ARBORIST TO REVIEW THE PROPOSED TREE PROTECTION MEASURES PRIOR TO COMMENCING WITH ANY DEMOLITION, GRADING, EXCAVATION OR CONSTRUCTION. ANY SAFETY PRUNING OR THE CUTTING OF SUBSTANTIAL ROOTS SHALL BE APPROVED BY THE CITY AND COMPLETED BY A CITY-APPROVED ARBORIST. CONTACT THE CITY ARBORIST AT LEAST 48 HOURS PRIOR TO CONSTRUCTION IN AREAS WHERE TREE PROTECTION AND INSPECTION ARE REQUIRED.

TREE PLACEMENT IN BIORETENTION AREAS

Trees in bioretention areas provide additional aesthetic and performance benefits. Follow these guidelines to maximize their success and survival:

- Provide sufficient landscape width (a rule of thumb is 8’ min.)
- Locate trees on the side slopes (Zone B), not in areas that pond (Zone A). Trees improperly located, in narrow planters that pond, are unlikely to thrive and may eventually fail.
- Select trees that will tolerate seasonally wet soils.
- Select trees that do not have invasive roots.
- Trees should be located at least five feet from facility inlets to avoid erosion of soils around the root ball
- Securely stake trees planted in bioretention areas

MWELO COMPLIANCE STATEMENT:

I HAVE COMPLIED WITH THE CRITERIA OF THE CALIFORNIA WATER EFFICIENT LANDSCAPE ORDINANCE 1881 AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

Jim Burrows

JIM BURROWS, CLA #2737
APRIL 2025

NOTES:

JUTE MESH
CONTRACTOR TO INSTALL JUTE MESH ON ALL SLOPES 2:1 OR STEEPER. INSTALL PRIOR TO INSTALLATION OF DRIP TUBING & EMITTERS, AND AFTER TRENCHING & INSTALLATION OF ROTOR / SPRAY IRRIGATION.

MULCH
MULCH ALL GROUND COVER AND PLANTER AREAS (EXCEPT WHERE JUTE MESH IS INSTALLED) WITH 3” MINIMUM LAYER ‘WALK-ON’ BARK.

NOTE
PLANT LIST AND QUANTITIES ARE FOR CONVENIENCE ONLY; IN CASE OF DISCREPANCY BETWEEN THE PLAN AND THE PLANTING SCHEDULE, THE PLAN SHALL PREVAIL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING THEIR OWN QUANTITIES PRIOR TO ORDERING AND INSTALLING PLANT MATERIALS BASED N THESE PLANS. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER AND LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK.

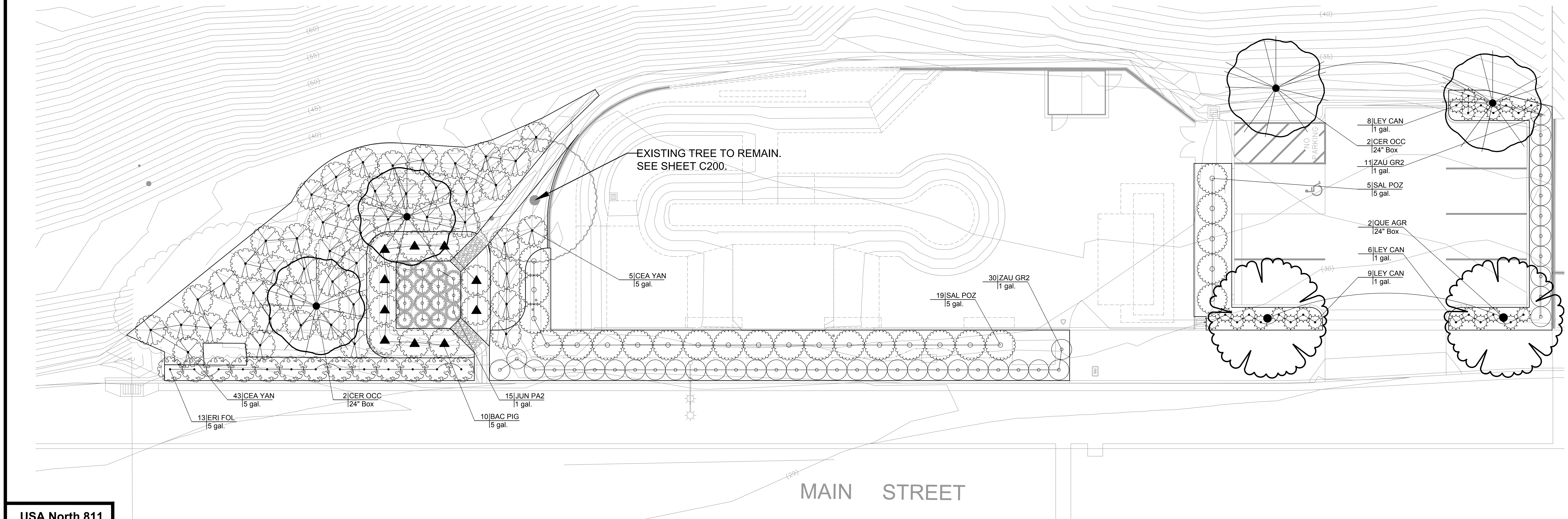
LEGEND
VL = VERY LOW WATER USE
L = LOW WATER USE
M = MEDIUM WATER USE
H = HIGH WATER USE
G = GALLONS
B = BOX
STD. = STANDARD FORMS
L.B. = LOW BRANCHING FORM
DRB = DEEP ROOT BARRIER, AS REQUIRED PER PLANTING DETAIL SHEET.

*WATER-USE EVALUATION OF PLANT MATERIALS
WATER USE OF PROPOSED PLANTS HAVE BEEN EVALUATED USING THE “WATER USE CLASSIFICATION OF LANDSCAPE SPECIES” (WUCOLS IV, UNIVERSITY OF CALIFORNIA COOPERATIVE EXTENSION.)

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	QTY	REMARKS
TREES						
✳	CER OCC	CERCIS OCCIDENTALIS / WESTERN REDBUD	24" BOX	VERY LOW	4	FIRE SAFE, NATIVE PLANT
⊙	QUE AGR	QUERCUS AGRIFOLIA / COAST LIVE OAK	24" BOX	VERY LOW	2	FIRE SAFE, NATIVE PLANT

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	WELO	QTY	REMARKS
SHRUBS						
▲	BAC PIG	BACCHARIS PILULARIS `PIGEON POINT` / PIGEON POINT COYOTE BRUSH	5 GAL.	VERY LOW	10	
⊛	CEA YAN	CEANOTHUS GRISEUS HORIZONTALIS `YANKEE POINT` / YANKEE POINT CARMEL CREEPER	5 GAL.	VERY LOW	48	
⊙	ERI FOL	ERIOGONUM FASCICULATUM FOLIOLOSUM / CALIFORNIA BUCKWHEAT	5 GAL.	VERY LOW	13	
✺	JUN PA2	JUNCUS PATENS / CALIFORNIA GRAY RUSH	1 GAL.	VERY LOW	15	
✹	LEY CAN	LEYMUS CONDENSATUS 'CANYON PRINCE' / CANYON PRINCE GIANT WILD RYE	1 GAL.	VERY LOW	23	
◎	SAL POZ	SALVIA X `POZO BLUE` / POZO BLUE SAGE	5 GAL.	VERY LOW	24	
◎	ZAU GR2	ZAUSCHNERIA CALIFORNICA 'GHOSTLY RED' / CALIFORNIA FUCHSIA	1 GAL.	VERY LOW	41	GROUNDCOVER



USA North 811

Know what's below.
Call before you dig.

REFER TO SHEET L-5 FOR WATER EFFICIENT
LANDSCAPE ORDINANCE (WELO) WORKSHEET

NORTH

SCALE: 1"=10'-0"

0 10 20 30 40

PLOT DATE: 4/30/2025 - FILE: /Users/jamesburrows/Documents/_JBLA_/JBLA Job Folder/24-117 Cambria CSD Skate Park CDs (CDS)/JBLA/JBLA-Cambria CSD Skate Park-PL.dwg

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(805) 439-3209

James L. Burrows No. 2737
12/31/2025
Renewal Date
04/30/2025
Date

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	DATE	REVISION
1	04/30/25	plants per County list
2		
3		
4		
5		
6		

OWNER:
CAMBRIA COMMUNITY
SERVICES DISTRICT
1640 1316 TAMSON DRIVE, SUITE 201
CAMBRIA, CALIFORNIA 93428

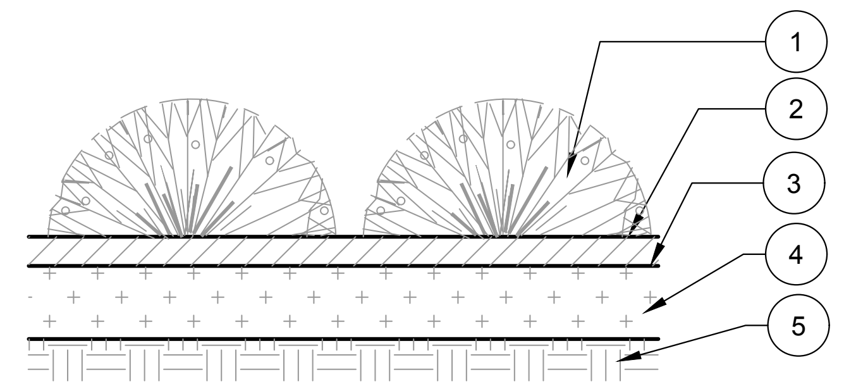
PROJECT:
CAMBRIA SKATE PARK
MAIN STREET
CAMBRIA, CALIFORNIA

JBLA PLAN CONTROL
PLAN SET 'B'
ISSUED: 04/30/2025

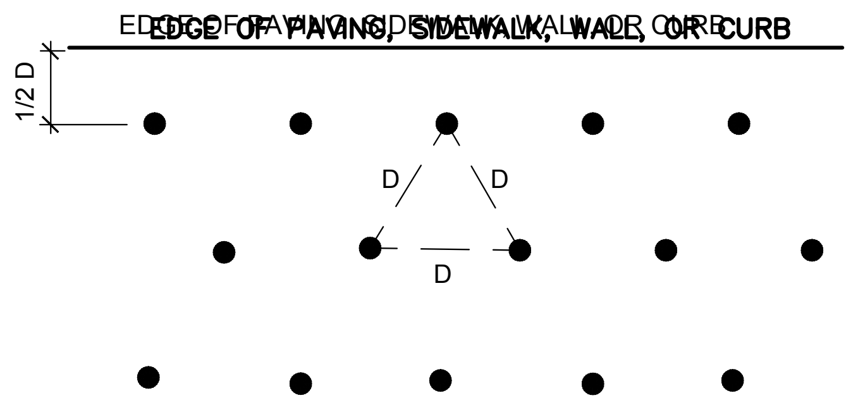
PLANTING PLAN

DESIGNED	JBLA
DRAWN	JBLA
CHECKED	JBLA
DATE	04/30/2025
JOB NO.	24-117
SHEET NUMBER	L-4

4 OF 6 SHEETS



SECTION VIEW
NOT TO SCALE



PLAN VIEW
NOT TO SCALE

LEGEND

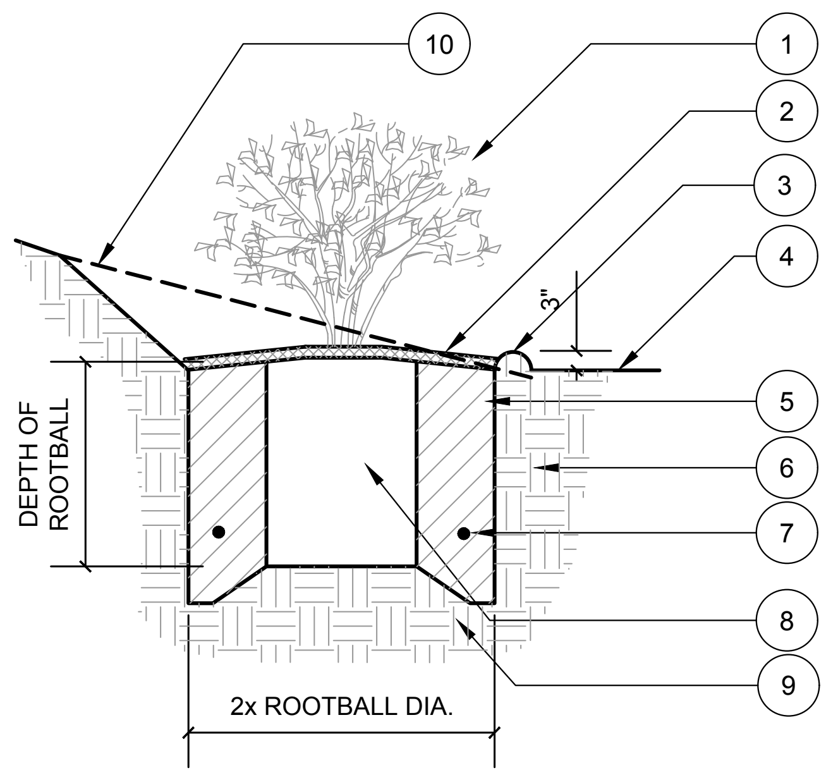
1. GROUND COVER: PLANT FROM CONTAINERS, FLATS OR LINERS, PER PLANT LEGEND
2. 3" LAYER OF MULCH - SEE SPECIFICATIONS
3. FINISH GRADE
4. AMENDED SOIL FOR PLANTING BACKFILL - SEE SOILS REPORT
5. NATIVE SUBGRADE

NOTE

LOCATE PLANTS EQUAL DISTANCE (D) FROM EACH OTHER AS SHOWN.

D = SPACING IS PER SPECIES AS DESIGNATED IN PLANT MATERIAL LIST.

D GROUND COVER PLANTING

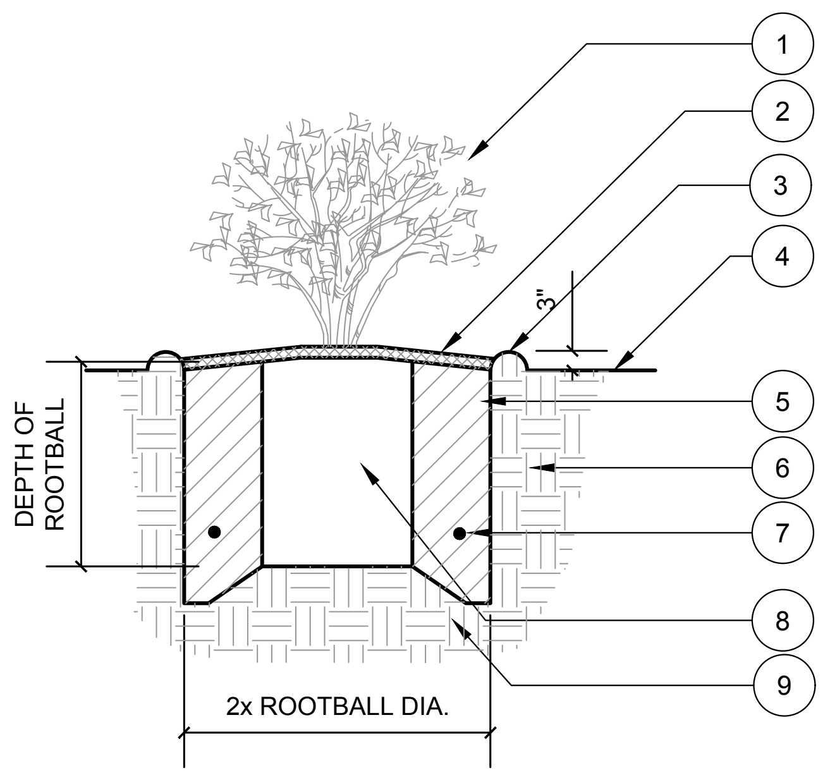


SECTION VIEW
NOT TO SCALE

LEGEND

1. TREE / SHRUB - PER PLANTING LEGEND
2. 3" LAYER OF MULCH - SEE SPECIFICATIONS
3. 3" HIGH WATER BASIN - SEE SPECIFICATIONS
4. FINISH GRADE
5. AMENDED SOIL FOR PLANTING BACKFILL - SEE SOILS REPORT
6. PLANT PIT EXCAVATION
7. PLANTING TABLETS - SEE SCHEDULE FOR QTY.
8. ROOTBALL
9. NATIVE SUBGRADE
10. EXISTING SLOPE

C TREE & SHRUB PLANTING ON SLOPE

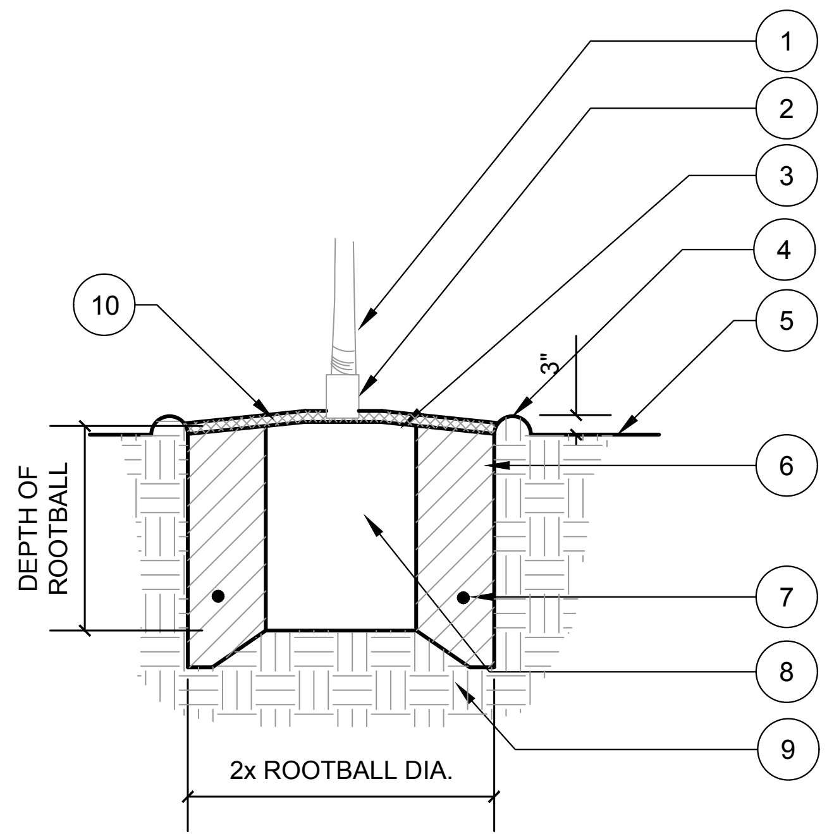


SECTION VIEW
NOT TO SCALE

LEGEND

1. 1, 5, OR 15 GALLON SHRUB - PER PLANTING LEGEND
2. 3" LAYER OF MULCH - SEE SPECIFICATIONS
3. 3" HIGH WATER BASIN - SEE SPECIFICATIONS
4. FINISH GRADE
5. AMENDED SOIL FOR PLANTING BACKFILL - SEE SOILS REPORT
6. PLANT PIT EXCAVATION
7. PLANTING TABLETS - SEE SCHEDULE FOR QTY.
8. ROOTBALL
9. NATIVE SUBGRADE

B SHRUB PLANTING

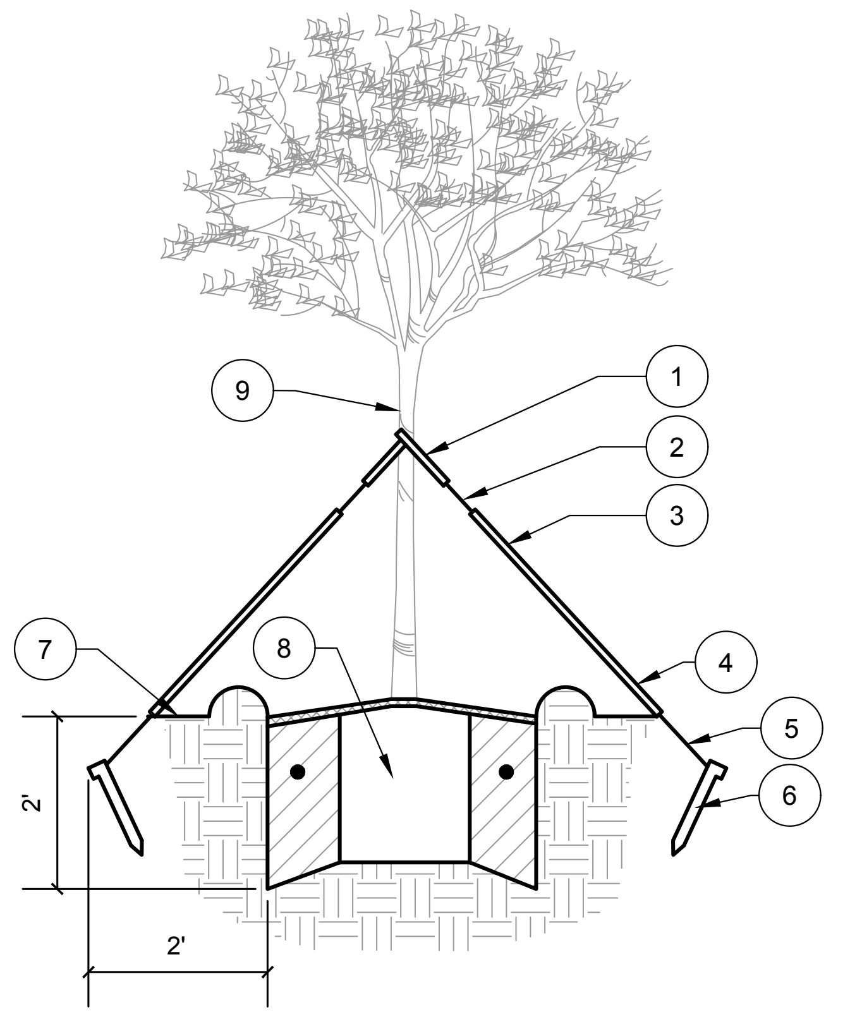


SECTION VIEW
NOT TO SCALE

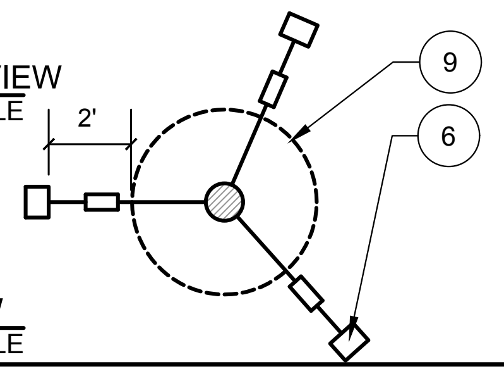
LEGEND

1. TREE - SIZE & SPECIES PER PLANTING LEGEND
2. ONE (1) 'ARBORGARD' POLYETHYLENE TREE TRUNK PROTECTOR FOR EACH TREE IN TURF. MANUF. BY DEEPROOT (800) 458-7668.
3. TOP OF ROOT BALL TO BE 1" ABOVE FINISH GRADE.
4. 3" HIGH WATER BASIN - SEE SPECIFICATIONS
5. FINISH GRADE
6. AMENDED SOIL FOR PLANTING BACKFILL - SEE SOILS REPORT
7. PLANTING TABLETS - SEE SCHEDULE FOR QTY.
8. ROOTBALL
9. NATIVE SUBGRADE
10. 3" LAYER OF MULCH - SEE SPECIFICATIONS

A TREE PLANTING



SECTION VIEW
NOT TO SCALE



PLAN VIEW
NOT TO SCALE

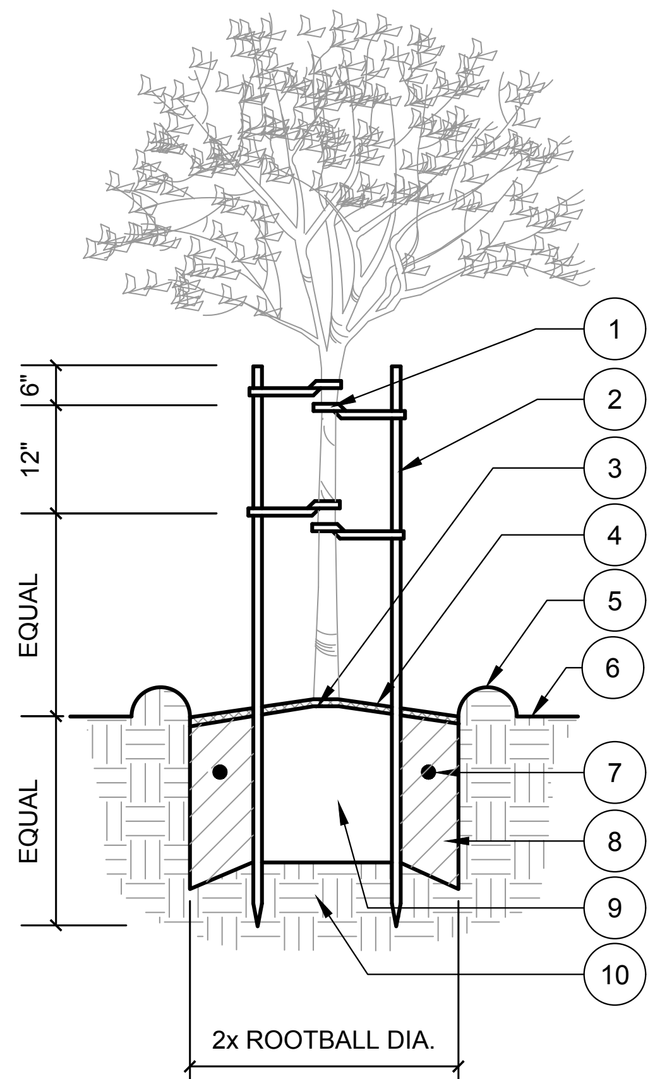
LEGEND

1. (3) TREE COLLARS (SEE NOTE 4).
2. (3) WIRE ROPE CLAMPS (SEE NOTE 4).
3. (3) 1/2" DIA. x 3' LONG PVC PIPE SLEEVE, ONE PER GUY WIRE.
4. 'DUCKBILL' TREE SUPPORT KIT, MODEL #40-DTS KIT, MANUF. BY MPS CIVIL PRODUCTS (803) 628-4326 www.earthanchor.com
5. 1/16:" WIRE CABLE (SEE NOTE 4).
6. 'DUCKBILL' ANCHOR (SEE NOTE 4).
7. FINISH GRADE
8. ROOTBALL. REFER TO TREE PLANTING DETAIL.
9. TREE - SIZE & SPECIES PER PLANTING LEGEND

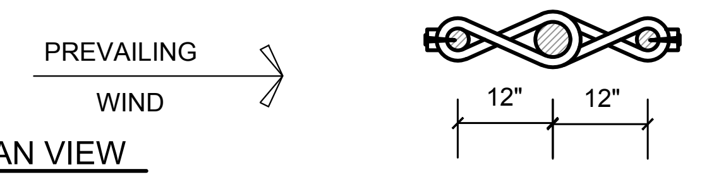
NOTE:
ATTACH GUYS TO MAJOR TRUNKS ONLY.

FOR 36" BOX TREES OR LARGER

G TREE GUYING



SECTION VIEW
NOT TO SCALE



PLAN VIEW
NOT TO SCALE

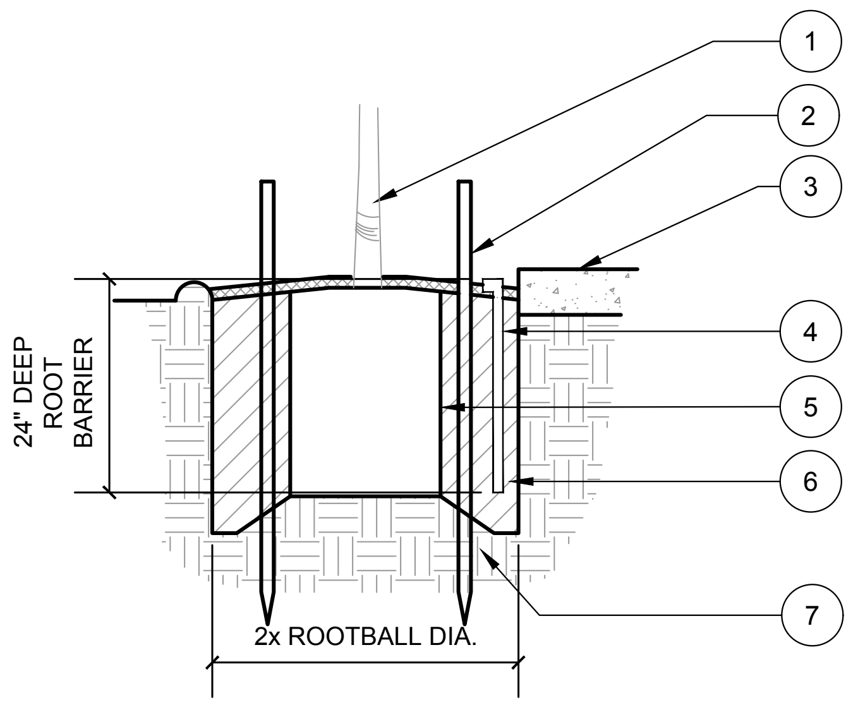
LEGEND

1. 'CINCH-TIE' BY V.I.T. CO. (619) 673-1760
2. LODGEPOLE PINE STAKE COPPER NAPHTHENATE IMPREGNATED. 2-1/2" DIA. x 12' LONG FOR 24" BOX AND SMALLER.
3. 12" DIA. MINIMUM, 3" THICK MULCH RING AROUND BASE AT TURF AREAS
4. TOP OF ROOT BALL TO BE 1" ABOVE FINISH GRADE
5. 3" HIGH WATER BASIN - SEE SPECS
6. FINISH GRADE
7. PLANTING TABLET - SEE SCHEDULE FOR QTY.
8. BACKFILL MIX - SEE SOILS REPORT
9. ROOTBALL
10. NATIVE SUBGRADE

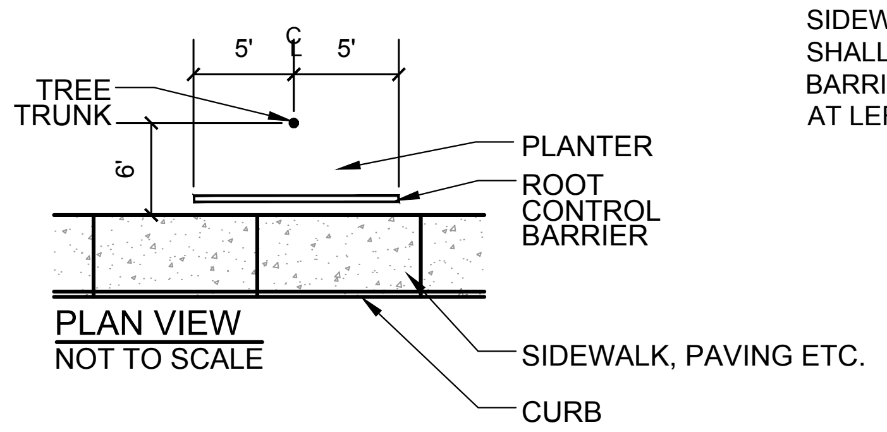
NOTE:
MIN. TWO TIES (TOP & BOTTOM) REQUIRED. USE THIRD TIE WHEN NECESSARY TO HOLD TREE IN UPRIGHT POSITION. TIES TO BE SECURED TO AVOID SLIPPAGE (WRAP STAKE TO FORM FIGURE EIGHT. NAIL W/ (1) GALV. NAIL THROUGH EACH TIE INTO POLE.

FOR 24" BOX TREES OR SMALLER

F TREE STAKING



SECTION VIEW
NOT TO SCALE



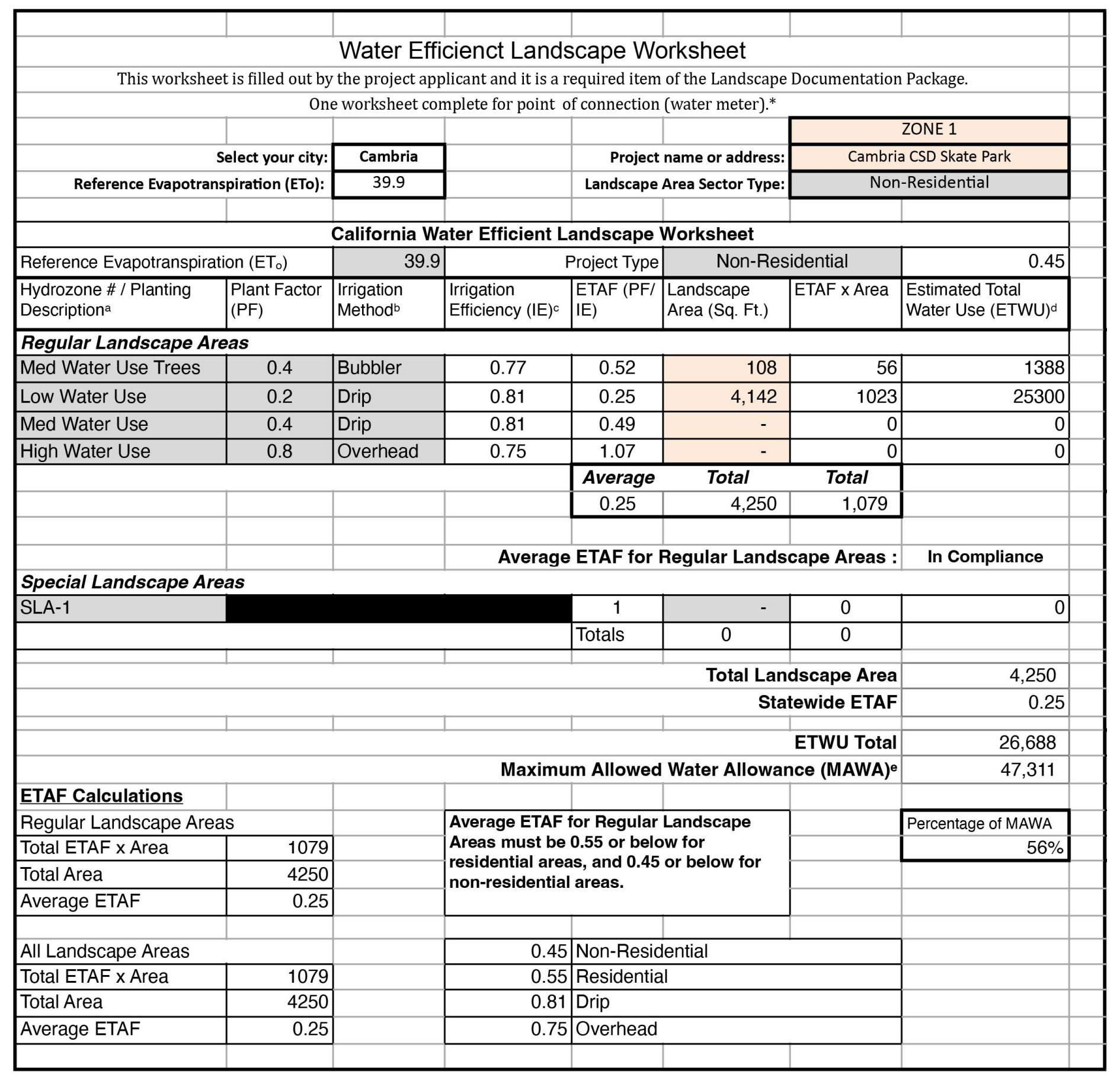
PLAN VIEW
NOT TO SCALE

LEGEND

1. TREE PLANTING PER DETAIL A, THIS SHEET
2. TREE STAKING PER DETAIL F, THIS SHEET
3. PAVING, WHERE OCCURS PER PLAN
4. DEEP ROOT BARRIER: DEEPROOT MODEL #UB24-2. INSTALL PER PLAN & SPECIFICATIONS; DO NOT WRAP ROOTBALL.
5. ROOTBALL
6. AMENDED SOIL FOR PLANTING BACKFILL - SEE SOILS REPORT
7. NATIVE SUBGRADE

NOTES:
ALL TREES PLANTED WITHIN SIX (6) FEET OF WALKWAY, CURB, SIDEWALK OR PUBLIC UTILITIES SHALL RECEIVE DEEP ROOT BARRIERS. REFER TO PLAN VIEW, AT LEFT.

E DEEP ROOT BARRIER (DRB)



Water Efficienct Landscape Worksheet

This worksheet is filled out by the project applicant and it is a required item of the Landscape Documentation Package.
One worksheet complete for point of connection (water meter).*

ZONE 1
Select your city: Cambria
Reference Evapotranspiration (ETo): 39.9
Project name or address: Cambria CSD Skate Park
Landscape Area Sector Type: Non-Residential

California Water Efficient Landscape Worksheet

Reference Evapotranspiration (ET_o)		39.9		Project Type	Non-Residential		0.45
Hydrozone # / Planting Description[a]	Plant Factor (PF)	Irrigation Method[b]	Irrigation Efficiency (IE)[c]	ETAF (PF/ IE)	Landscape Area (Sq. Ft.)	ETAF x Area	Estimated Total Water Use (ETWU)[d]
Regular Landscape Areas							
Med Water Use Trees	0.4	Bubbler	0.77	0.52	108	56	1388
Low Water Use	0.2	Drip	0.81	0.25	4,142	1023	25300
Med Water Use	0.4	Drip	0.81	0.49	-	0	0
High Water Use	0.8	Overhead	0.75	1.07	-	0	0
				Average	***Total***	***Total***	
				0.25	4,250	1,079	
						Average ETAF for Regular Landscape Areas :	**In Compliance**
Special Landscape Areas							
SLA-1				1	-	0	0
				Totals	0	0	
						Total Landscape Area	4,250
						Statewide ETAF	0.25
						ETWU Total	26,688
						Maximum Allowed Water Allowance (MAWA)[e]	47,311

ETAF Calculations

Regular Landscape Areas	
Total ETAF x Area	1079
Total Area	4250
Average ETAF	0.25

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

Percentage of MAWA
56%

All Landscape Areas	
Total ETAF x Area	1079
Total Area	4250
Average ETAF	0.25

0.45	Non-Residential
0.55	Residential
0.81	Drip
0.75	Overhead

I WATER EFFICIENT LANDSCAPE ORDINANCE (WELO)

PLANTING TABLET SCHEDULE

"BEST TABS 20-10-5" CONTROLLED-RELEASE FERTILIZER TABLETS

1 GALLON	CONTAINER RECEIVES	1	TABLETS
5 GALLON	CONTAINER RECEIVES	3	TABLETS
15 GALLON	CONTAINER RECEIVES	9	TABLETS
24" BOX	RECEIVES	12-14	TABLETS

LARGER SIZES: APPLY TWO (2) TABLETS FOR EACH 1/2" CALIPER SIZE OR TWO (2) TABLETS FOR EACH 1" TO 1-1/2" OF PLANT HEIGHT

NOTES

1. AT THE CONCLUSION OF ROUGH GRADING, AN AGRONOMIC SOILS ANALYSIS (SOIL REPORT) SHALL BE PREPARED BY THE OWNER PER SPECIFICATIONS. ALL RECOMMENDATIONS FROM SUCH REPORT SHALL BE INCORPORATED BY THE CONTRACTOR INTO INSTALLATION OF ALL PLANTING AREAS AND DOCUMENTATION SUBMITTED TO OWNER PER SPECIFICATIONS.
2. REFER TO SPECIFICATIONS FOR SAMPLING PROCEDURES AND LIST OF ALL ITEMS TO INCLUDE IN THE SOIL REPORT.
3. PLANTER BACKFILL MIX: REFER TO SOIL REPORT. AMENDMENTS SHALL BE THOROUGHLY MIXED PER SPECIFICATIONS.
4. REFER TO PLANS AND SPECIFICATION FOR DEPTH AND MATERIAL OF ALL TOP DRESSING AND MULCH.

H PLANTING TABLET SCHEDULE & NOTES

J NOT USED

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

K NOT USED

Jim Burrows
Landscape Architecture
979 OSOS STREET, SUITE B6
SAN LUIS OBISPO, CA 93401
(805) 439-3209

James L. Burrows No. 2737
12/31/2025
Renewal Date
04/30/2025
Date

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	DATE	REVISION
1	04/30/25	plants per County list
2		
3		
4		
5		
6		

OWNER:
CAMBRIA COMMUNITY SERVICES DISTRICT
1640 1316 TAMSON DRIVE, SUITE 201
CAMBRIA, CALIFORNIA 93428

PROJECT:
CAMBRIA SKATE PARK
MAIN STREET
CAMBRIA, CALIFORNIA

ISSUED:
04/30/2025
PLAN SET 'B'
JBLA PLAN CONTROL

PLANTING DETAILS

DESIGNED JBLA
DRAWN JBLA
CHECKED JBLA
DATE 04/30/2025
JOB NO. 24-117
SHEET NUMBER

L-5

5 OF 6 SHEETS

SECTION 32 93 00 (SECTION 02900)

LANDSCAPE PLANTING

PART 1 - GENERAL

1.01 SECTION INCLUDES
A. Contractor will furnish all labor, materials, products, supplies, equipment, tools and transportation; perform all operations to complete installation of the plantings; and warranty all plantings. The work will include, but not be limited to the following:
1. Procurement of all applicable licenses, permits, and fees.
2. Ascertainment of utility locations prior to construction.
3. Site inspection.
4. Planting of trees, shrubs, vines, and ground cover plants.
5. Soil preparation and fine grading.
6. Staking and guying of trees.
7. Mulching of all trees and landscape areas.
8. Cleanup, inspection, and approval.
9. Warranty of all plantings.

1.02 GENERAL
A. The Owner will have a soil analysis report (hereinafter called the Soils Report) prepared after completion of the rough grading; the Soil Report will include both native site soils and any imported soil. Soil sampling will be conducted in accordance with laboratory protocol, including protocols regarding adequate sampling depth for the intended plants. The Soils Report will include soil texture; infiltration rate; pH; total soluble salts; sodium; percent organic matter; and recommendations. The Contractor will incorporate all Soils Report recommendations and will submit documentation to the Owner verifying implementation of all recommendations. The soil preparation specified below will be adjusted according to the Soils Report, after approval from Landscape Architect.
B. No substitutions for specified materials will be accepted in the base bid. Alternative bid proposals, which propose material substitutions, may be submitted in writing for consideration by the Owner and the Landscape Architect. Alternative proposals will be fully supported by necessary documentation showing compatibility/comparability with specified materials. Downsizing or substitution of plant material without prior approval of Landscape Architect or Owner will not be acceptable.
C. Additional work will be paid for at contract unit prices. If unit prices are not available, the work will be paid for on a time and material basis or for an agreed to lump sum amount.
D. Precautions have been taken to ensure accuracy and conformance of the Contract Documents with the design concept of the project. Nevertheless, Contractor will be responsible for confirming and correlating actual job site dimensions, for acquiring information that pertains solely to the fabrication process or to techniques of construction, and for coordinating the work with all other trades.

1.03 RELATED SECTIONS
1. Section 32 84 00, Landscape Irrigation

1.04 REFERENCES
A. The following is a list of standards which may be referenced in this section:
1. American Nursery and Landscape Association (ANLA): ANSI Z60.1, American Standard for Nursery Stock.

1.05 SUBMITTALS
A. Contractor will direct submittals and samples, as noted, to Owner and receive approval in writing before work commences. Contractor will submit the following for each type of product provided under work of this Section:
1. Organic Compost: Evidence of certification under the U.S. Composting Council (USCC) Seal of Testing Assurance (STA) Program.
2. Mulch: submit Weed free Certification and mulch sample for approval.
3. Work schedule showing approximate dates for commencement and completion of each item of work. Submit prior to commencement of work.
4. Submit all other required information and documents as requested or specified

1.06 QUALITY ASSURANCE
A. Site Supervisor: competent, experienced and knowledgeable person who will be present at all times during execution of this portion of the work and who will be thoroughly familiar with the type of materials being installed and the manufacturer's recommended methods of installation and who will direct all work performed under this section.
B. Staffing: experienced, competent and trained landscape personnel who will perform all tasks and services in a knowledgeable and professional manner. Workers shall act safely and professionally at all times while working on site.
C. Contractor shall be responsible for ensuring that contract specifications are being adhered to. Failure of the Owner to immediately reject unsatisfactory workmanship or to notify the Contractor of their deviation from the specification shall not relieve the Contractor of their responsibility to repair and/or replace unsatisfactory work.
D. Contractor shall obtain approvals as required by contract for suppliers, sub-contractors, and all mater.

1.07 DELIVERY, STORAGE, AND HANDLING
A. Plants are to be delivered to the site with tags bearing the botanic name as indicated by the plant list.
B. Plant Protection: Plants will be handled so that roots are adequately and continually protected from drying out and from other injury. Plant materials will be securely tarped during transportation to prevent wind burn. Protect root balls and plant containers which cannot be planted within twelve (12) hours of delivery with soil or other suitable materials. Where possible, store plants in the shade. Keep all plant roots moist before, during, and after planting. Plants will be watered as soon as they arrive on the site and will be kept moist until they are planted.
C. Protect all materials used for construction from damage, deterioration, or loss of any kind while in storage and construction.

1.08 WARRANTY AND REPLACEMENT
A. Warranty trees, shrubs, ground covers, and other plant materials to root and thrive free from defects from any cause until final acceptance of project.
B. Replace plants when they are no longer in a satisfactory condition as determined by Owner prior to final acceptance. This includes plants that die back and loose the form and size originally specified.
1. Make replacements within seven (7) days of notification from Owner.
2. Remove dead plants within two (2) days of notification.
C. All replacements will be of the same kind and size as originally specified and will be installed as described in the Contract Documents. Repairs and replacements will be made at no expense to Owner.
D. Warranty will apply to originally specified and installed plants and other landscape materials, and any replacements made during the construction period.

PART 2 PRODUCTS

2.01 GENERAL
A. All materials used for construction will be new and without flaws or defects of any type and will be the best of their class and kind.
B. A complete list of plantings and necessary landscape materials is provided on the planting plan and details.

2.02 SOIL AMENDMENTS / FERTILIZERS / MULCHES / EDGING
A. Soil and Amendments:
1. In-Situ: Native site soil in-place on the site, such as tree pit excavation, may be used provided it is free from roots, limbs, rocks, construction debris, and other foreign material.
2. Provide all amendments and fertilizer prescribed In Soils Report.
B. Improved Planting:
1. Mix (Prepare Soil): Backfill planting pits and planters using an improved soil mix consisting of the following:
a. Eighty five percent (85%) onsite or imported topsoil.
b. Fifteen percent (15%) organic compost.
C. Fertilizer:
1. Trees and Shrubs: Per the Soils Report
2. Ground covers: Per the Soils Report.
3. Turf Grasses: Per the Soils Report.
D. Herbicide: Per the pest control advisor's recommendations.
E. Organic Mulch: Three (3”) inch depth organic mulch materials made from recycled or post-consumer products; free from noxious weed seed and all foreign material harmful to plant life. Chips or other angular bark chips are not acceptable.
F. Edging: Per planting plan and details.
G. Organic Compost: Compost will have the following characteristics:
1. pH Range: 5.5-8.0.
2. Moisture Content: 35% - 55%.
3. Particle Size: Pass through one- (1-) inch screen or smaller.
4. Stability: Stable to highly stable, providing nutrients for plant growth.
5. Maturity/Growth Screening: Demonstrate ability to enhance plant growth.
6. Soluble Salt Concentrations: 2.5 dS (mmhos/cm) or less preferred.
7. Organic Matter Content: 30% – 70%.

2.03 WATER
A. Contractor will provide water for planting during the construction period.

2.04 TREES, SHRUBS, AND GROUND COVERS
A. Quantities: Furnish plants in quantities required to complete the work as indicated on the Planting plan and details.
B. Quality: Use plants which are symmetrical and typical of their species; healthy, well-branched, well rooted in container, and well-proportioned in respect to height and width; free from disease, injury, insects, and weak roots; and, conforming to the requirements of the American Standard for Nursery Stock (ANSI Z60.1). All plants are subject to inspection.
C. Botanic and Common Names: Nomenclature is in conformance with standard horticultural practice in the area.

2.05 MATERIALS FOR STAKING AND/OR GUYING TREES
A. Tree Stakes: Refer to Planting Detail Sheet.
B. Guying and Staking Wire: Galvanized steel twelve (12) gauge wire. Refer to Planting Detail Sheet

PART 3 EXECUTION

3.01 GENERAL
A. Contractor will appoint a competent resident superintendent. The superintendent will be on site whenever the work is in progress. The superintendent will not be replaced without notice to Owner. Workers will be competent in performance of work they are assigned.
B. Coordination: Coordinate work with other trades to ensure proper sequencing of construction.
C. Planting Time and Completion:
1. Plants will be planted only when weather and soil conditions permit and in accordance with locally accepted practices.

3.02 PREPARATION
A. Pre-planting Observation of Materials:
1. Owner or Landscape Architect will observe and approve plant material before planting. This observation may be either at the site, nursery, or holding area, at the option of Owner. Materials planted prior to approval are subject to rejection. Observation of materials may be sequenced by major planting areas to accommodate efficient planting operations. Acceptance of plant material at the nursery or holding area does not preclude rejection at the site. All rejected materials will be removed from the site, replaced, and reinspected before planting.
2. All fertilizers, backfill, seed, mulches, and soil amendments will be reviewed at the site by Owner or Landscape Architect before they are used in planting operations. Owner will check invoices to verify specified quantities have been delivered.
B. Pre-Construction Site Inspection:
1. Contractor and Owner will inspect site and determine it is complete and acceptable for landscape installation to proceed.
2. Beginning work of this section implies acceptance of existing conditions.
C. Grades: Grades have been established under work of another section to within one (1) inch, plus or minus, of required finished grades. Verify that grades are within one (1) inch, plus or minus, of required finished grades. Notify Owner prior to commencing soil preparation work if existing grades are not satisfactory or assume responsibility for conditions as they exist.
D. Contaminated Soil: Do not perform any soil preparation work in areas where soil is contaminated with cement, plaster, paint or other construction debris. Bring such areas to the attention of Owner and do not proceed until the contaminated soil is removed and replaced.
E. Dimensions: All scaled dimensions are approximate. Before proceeding with any work, carefully check and verify all dimensions and quantities and immediately inform Owner of any discrepancy between the plans and/or specifications and actual conditions.
F. Protection of Existing Features:
1. Protect all existing site development including, but not limited to, existing buildings, equipment, underground utilities, walls, materials, or vegetated areas including, but not limited to, trees, vines, shrubs, and ground covers. Any existing site development damaged by willful or negligent acts of Contractor or any of Contractor’s employees will be replaced or repaired at no expense to Owner and in a manner satisfactory to Owner or Landscape Architect before project acceptance is given.
2. The above provision applies to onsite damage as well as to that which may occur to adjacent properties.
3. Until the project has been accepted, erect and maintain shoring, barricades, guards, warning signs, and lights as necessary or required for the protection of the public, the work, and the workers. To the same ends, provide traffic control and institute site security measures, as needed.
4. Contractor will be responsible for adhering to the following tree protection standards during construction:
a. During the construction stage, Contractor will not cause, or permit the cleaning of equipment or material, or the storage or disposal or waste material including, but not limited to, paints, solvents, asphalt, concrete, mortar, or any other material harmful to the life of a tree, within the drip line or root zone of each tree, or group of trees.
b. No damaging attachments, wires, signs, permits, or other objects may be fastened by any means to any tree preserved on this project.
5. Existing landscape areas to be preserved within the project area will be fenced and excluded from use for vehicle traffic, staging, or parking, unless specifically designated for these purposes on the planting plans or by the Owner.

3.03 SOIL PREPARATION
A. Weed and Debris Removal: All ground areas to be planted will be cleaned of all weeds and debris prior to any soil preparation or grading work. Any growing noxious weeds on the site will be pretreated with approved herbicide prior to grading. Annual or biennial weeds over two (2) feet tall will be mowed, raked, and removed prior to grading. Weeds and debris will be disposed of off the site.
B. Moisture Content: Soil will not be worked when moisture content is so great that excessive compaction occurs, nor when it is so dry that dust will form in the air or clods will not break readily. Water will be applied, if necessary, to bring soil to an optimum moisture content for tilling and planting.
C. Prior to spreading salvaged topsoil and seeding, thoroughly till or rip to a depth of twelve (12) inches all areas compacted by access, staging, or construction traffic. Till all remaining areas to a depth of six (6) inches. Channel bottom areas are to be ripped to a depth of at least twelve (12) inches on approximately two (2) to four (4) foot centers. The soils will be worked until no clods greater than two (2) inches in diameter remain, unless directed otherwise by Owner. Remove rocks and other objects three (3) inches or greater in any dimension.
D. Soil Conditioning: After soil preparation has been completed and high and low spots graded, add soil amendments as indicated below and rototill, making repeated passes with the cultivator to the depth specified until the amendments have been thoroughly mixed.
1. Organic Compost Soil Amendment will be applied at a rate of three (3) cubic yards per one-thousand (1,000) square feet or as shown on the planting plans, or as specified in the Soils Report.
2. Organic Compost will only be applied if required and designated on the plans and details.

3.04 FINE GRADING
A. When weeding, soil preparation, and soil conditioning have been completed and soil has been thoroughly water-settled, all planting areas will be smooth-graded and ready for placement of plant materials.
1. Grades: Finish grades will conform to site grading plans and produce a smooth, even surface without abrupt changes, including the interface with the adjacent undisturbed landscape. Minor adjustments of finish grades will be made at the direction of Owner or Landscape Architect, if required.
2. Drainage: All grades will provide for natural runoff of water without low spots or pockets. Flow-line grades will be accurately set and will be not less than two percent (2%) gradient wherever possible.
3. Shrub Areas: Finished grades will be one (1”) inch minimum below top of adjacent pavement, headers, curbs, or wall, unless otherwise indicated on the plans and details.
4. Lawn Areas: Finished grade will be two (2”) inches below top of adjacent pavement, curbs, or headers.
5. Slopes: Tops and toes of all slopes will be rounded to produce a gradual and natural-appearing transition between relatively level areas and slopes.
B. Inspection of turf / turf bed and grading will occur before sodding and/or seeding.

3.05 SHRUB AND TREE PLANTING
A. Established Location: Owner or Landscape Architect will approve location of trees and shrubs before any planting occurs.
B. Planting Pits:
1. Prepare planting pits per Planting Detail Sheet.
2. Roughen sides of the pit to remove any compacting or glazing.
C. Existing Tree Roots:
1. When the cutting of tree roots is necessary, each cut will be made as cleanly as possible for all roots over three (3) inches in diameter using the following method:
a. The line of excavation will be drawn out and appropriate excavation equipment used to clear the area at least six (6) inches in front of the actual finished excavation line. Roots can then be cut using tools such as axes, stump grinders, or trenchers.
b. Each root over three (3) inches in diameter will then be cut cleanly back to the final excavation line using a stump grinder operated by an experienced, licensed arborist. A sharp hand or bow saw is acceptable for roots under three (3) inches in diameter. Axes and trenchers do not cut roots cleanly and will not be used for final root cuts.
2. The Owner or Landscape Architect will be contacted prior to removal of branches over four (4) inches in diameter. All branches will be cut with a sharp pruner or saw. All cuts will be cleanly made back to the next crotch or tree, leaving the bark collar intact at the base of the cut.
D. Backfill Material: Tree and shrub planting pits will be backfilled with the specified improved planting mix. (Refer to Section 2.02.B.)
E. Planting:
1. Excavate planting pit to depth such that the top of the root ball, when planted, will be at finish grade.
2. Backfill one-half (1/2) of pit with backfill mixture and water thoroughly before placing any more backfill. Do not work wet soil.
3. Fertilize trees and shrubs with specified fertilizer at the rate recommended by the manufacturer.
4. Backfill the rest of the planting pit with backfill mixture. Water thoroughly on day of planting. Do not work wet soil.
5. Stake or guy all trees per Planting Detail Sheet.

3.06 MULCHING
A. Mulch all planting areas with three (3”) inch deep mulch, per planting plans. Trees or shrubs planted in non-irrigated areas will be surrounded with a three (3”) inch high water basin and mulched with three (3”) inch deep mulch.

3.07 FIELD QUALITY CONTROL
A. Final Walk-Through:
1. The final walk-through will be performed at the completion of all planting operations under this contract by the Owner and/or the Landscape Architect.
2. At the time of the final walk-through, the Contractor shill have installed all landscape areas per these plans, details and specifications. Planting areas will be free of debris, and plant water basins will be in good repair. Debris and litter will be cleaned up, and walkways, curbs, and roads will be cleared of soil and debris. The inspection will not occur until these conditions are met.
3. Owner or Landscape Architect will identify any deficiencies in the form of a punch list.
4. Owner will give written notice of final acceptance when work has been performed in compliance with the contract documents.
5. Correct deficiencies within the first ten (10) days of the final walk-through. Correct work in accordance with the contract documents at no cost to Owner.
6. Final acceptance will not be given until all deficiencies are corrected. The Landscape Contractor will maintain site until final acceptance.

3.08 CLEANING
A. After all installation operations have been completed, remove all rubbish, excess soil, empty plant container and trash from the site daily. All scars, ruts or other marks in the area caused by this work will be repaired and the ground left in a neat, orderly condition. Leave site in broom-clean condition at the end of each working day. Hose down all paved areas, including walks and patios, upon completion of all work.

3.09 MAINTENANCE
A. After all work has been completed per plans, details and specifications, and the final walk-through has been conducted per section 3.07, the maintenance period will begin upon written approval by the Owner. Once inspected and accepted, all areas will be maintained for a period of ninety (90) calendar days or as long as is necessary to establish thriving trees, shrubs, turf, and ground cover without bare spots.
B. The Contractor will maintain during installation a sufficient number of men and adequate equipment to perform the work herein specified. Plant maintenance work will consist of applying water, weeding, caring of plants, including ground covers, shrubs, vines and trees, edging and mowing lawns, fertilizing, control of pests and diseases, and maintaining walks free of debris and dirt. Upon completion of each area of installation, the Contractor, Landscape Architect and Owner will conduct an inspection of completed area, along with the Owner's maintenance representative. At this time, a list of corrections, if any, will be made which are the responsibility of the Contractor.
C. Keep all areas weed-free, adequately watered, and neatly cultivated for the ninety (90) day period. Remove all debris from site and keep the entire site broom-clean. Mow turf areas weekly. Hydroseeded turf areas will be irrigated after the slurry mulch has been applied and allowed to set for one (1) day. The soil surface must be kept moist at all times during the germination period to avoid desiccation of seedlings.
D. Re-seed all bare spots in turf areas at two (2) week intervals and maintain until an even stand of turf, without bare spots, is obtained. Re-seed all slope areas that fail to germinate evenly. Repair all eroded surfaces at no cost to the Owner.
E. Damage to any planted area will be repaired immediately. Depressions caused by vehicles or foot traffic will be filled with topsoil, leveled and replanted. Exterminate gophers, moles and repair damage.
F. The project will be so cared for that a neat, clean condition will be presented at all times to the satisfaction of the Owner and Landscape Architect. The Landscape Contractor will be expected to make a minimum of one weekly visit for maintenance purposes.
G. At the end of the maintenance period, all areas that have been planted will be fertilized with commercial fertilizer, analysis and rate of application will be per the Soils Report.
H. The Contractor will request a final site visit seven (7) days prior to the end of the maintenance period. This request will be written and directed to the Owner and the Landscape Architect. Upon written acceptance of the project, the Contractor will be relieved of any further maintenance.
I. Owner reserves the right to extend maintenance period and/or reduce monthly progress payments for maintenance services any time Contractor fails or neglects to provide proper and adequate maintenance services in accordance with contract specifications as determined by Owner.

3.10 WARRANTY
A. All turf, hand-planted vines, shrubs and ground cover will be guaranteed to live and grow to a period of ninety (90) days after installation and acceptance by the Owner. Trees will be guaranteed for one year. Any material that fails to grow through the specified maintenance and warranty period will be replaced by the Contractor at no cost to the Owner.

END OF SECTION

USA North 811

Know what's below.
Call before you dig.

PLOT DATE: 4/30/2025 - FILE: /Users/jamesburrows/Documents/_JBLA_/JBLA Job Folder/24-117 Cambria CSD Skate Park CDs (CDS)/JBLA/JBLA-Cambria CSD Skate Park-PL DTL.dwg

JBLA
Jim Burrows
Landscape Architecture
979 OSOS STREET, SUITE B6
SAN LUIS OBISPO, CA 93401
(805) 439-3209

REGISTERED LANDSCAPE ARCHITECT
James L. Burrows No. 2737
Jim Burrows
Signature
12/31/2025
Renewal Date
04/30/2025
Date
STATE OF CALIFORNIA

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	DATE	REVISION
1	04/30/25	plants per County list
2		
3		
4		
5		
6		

OWNER:
CAMBRIA COMMUNITY
SERVICES DISTRICT
1640 1316 TAMSON DRIVE, SUITE 201
CAMBRIA, CALIFORNIA 93428

PROJECT:
CAMBRIA SKATE PARK
MAIN STREET
CAMBRIA, CALIFORNIA

ISSUED:
04/30/2025

PLAN SET 'B'

JBLA PLAN CONTROL

PLANTING SPECIFICATIONS

DESIGNED JBLA
DRAWN JBLA
CHECKED JBLA
DATE 04/30/2025
JOB NO. 24-117
SHEET NUMBER

L-6

6 OF 6 SHEETS

CONSTRUCTION NOTES-GENERAL

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 PROVIDE ALL LABOR, TRANSPORTATION, MATERIALS, AND SERVICES NECESSARY TO FURNISH AND INSTALL ALL CONSTRUCTION ELEMENTS AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
3. ALL WORK SHALL BE PERFORMED BY A CALIFORNIA LICENSED CONTRACTOR.
4. CONSTRUCTION AND INSTALLATION OF ALL WALL & FENCE ITEMS SHALL BE ACCORDING TO STATE, COUNTY AND LOCAL CODES, ORDINANCES AND UP TO CAL-OSHA SAFETY ORDERS REGARDING PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH THE NATURE AND LOCATION OF ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. THE CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ALL COSTS INCURRED DUE TO DAMAGE AND/OR REPLACEMENT OF SAID UTILITIES, INCLUDING DELAYS.
6. ANY DISCREPANCIES BETWEEN THE FIELD CONDITIONS AND THE CONTRACT DOCUMENTS AND/OR THE DESIGN INTENT AFFECTING THE SUCCESSFUL COMPLETION AND COST OF THE PROJECT SHALL BE REPORTED TO THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT IMMEDIATELY. ALL WORK RELATED TO THE PROBLEM AREA SHALL CEASE UNTIL THE DISCREPANCIES HAVE BEEN RESOLVED BY THE OWNER (JOB SUPERINTENDENT) OR LANDSCAPE ARCHITECT IN WRITING. ANY CONTINUATION OF WORK PRIOR TO THE RESOLUTION OF DISCREPANCIES IS AT THE CONTRACTOR'S RISK AND EXPENSE.
7. ALL REVISIONS AND CHANGE ORDERS AND SPECIFICATIONS ARE SUBJECT TO REVIEW AND APPROVAL OF THE CITY BEFORE WORK MAY CONTINUE. MINOR CHANGES ARE TO BE TRANSMITTED BY TELEPHONE FACSIMILE TO THE CITY INSPECTOR. MAJOR CHANGES ARE TO BE DONE WITH TWO REVISED HARDCOPIES BEING SENT TO THE CITY WITH NOTIFICATION GIVEN TO INSPECTOR.
8. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) BEFORE START OF CONSTRUCTION AT (800) 422-4133 or 811. AN ENCROACHMENT PERMIT IS REQUIRED FOR POTHOLING TO VERIFY EXISTING LOCATION OF UTILITIES.

CONSTRUCTION SPECIFICATIONS

I. GENERAL

A. Contractual Relationship

In the performance of this contract, Contractor shall hold Landscape Architect and Owner harmless from any and all liability, costs and charges arising out of, or in connection with, contractors, employees, or it's agent's negligence, omissions, errors.

B. Errors or Conflicts

No deviations or alterations from the plans and specifications will be permitted unless authorized by the Owner or the Landscape Architect. Should deviation from plans and notes become necessary due to conflicting site conditions, Owner and Landscape Architect shall approve in advance any such deviation. No additional work will be authorized without the express written authorization from the Owner.

C. Additions, Deviations and Alterations

No deviations or alterations from the plans and specifications will be permitted unless authorized by the Owner or the Landscape Architect. Should deviation from plans and notes become necessary due to conflicting site conditions, Owner and Landscape Architect shall approve in advance any such deviation. No additional work will be authorized without the express written authorization from the Owner.

D. Interpretation

The Contractor shall comply with the obvious intent and meaning of these plans and specifications which shall be construed to include all labor, material, tools and equipment necessary to complete the work specified herein in a workmanlike manner in strict accordance with plans and notes. Should any questions arise as to the intent and interpretation of these plans and notes, Contractor shall refer to Owner and Landscape Architect whose decision thereon shall be final.

E. Observation and rejection of Materials and Workmanship

All materials and workmanship furnished or performed by Contractor shall be subject to final observation and acceptance by Owner and Landscape Architect upon completion of all contract work whether previously paid for or not. At any and all times during the performance of this contract, Contractor shall make available for observation, test and approval, materials and workmanship. Failure of such observers to make observation, tests or approvals shall not prejudice the right of Landscape Architect or Owner on final observation. Contractor shall promptly replace any and all material, workmanship and equipment which does not conform to the plans and notes. All materials used on this contract shall be new and the best marked quality unless specified otherwise. Observation and Rejection of Materials and Workmanship

F. Samples

When so required by the Owner or Landscape Architect, Contractor shall submit for approval samples of the various materials, and specify finish thereon.

G. Local Codes

All construction shall conform to all local building codes and ordinances. It is Contractor's responsibility to verify all codes prior to commencing work.

H. Utilities

Contractor shall be responsible for verifying the location of all underground utilities, electric cables, conduits, sprinkler lines and all utility lines prior to any construction.

I. Removal of Debris and Clean-Up

Contractor shall thoroughly clean and keep free of debris and waste material entire construction area to the satisfaction of the Owner.

J. General

The general conditions and any special conditions that Owner may require shall apply with the same force and effect as though written in full herein for all construction sections.

II. METAL WORK

Scope of Work - Provide all labor, materials, tools, equipment, transportation and necessary incidentals for completion of all metal work where shown on the drawings, including but not limited to the following:

VIII. Materials
1. Steel tubing in sizes shown on the drawings ASTM designation 500 and/or hand forged, cold rolled wrought iron in sizes as shown on the drawings.

2. Hardware - hinges, latches, bolts, washers, screws, etc., to be heavy duty.
3. Concrete - Class A concrete minimum 2,000 PSI at 28 days and/or 'Por-Rock' as shown on the drawings.
4. Paint - Zinc Chromate primer, 'Rustoleum' finish surface coats or equal. 'Metalizing' or galvanizing or powder coating if shown on the drawings.

B. Fabrication and Installation
1. Contractor shall make all measurement for fabrication in field prior to starting work.
2. Horizontal bars to taper with grade or step with grade as shown on the drawings. Vertical bars to be plumb.

C. Welding
1. Welding to comply with the requirements of standard code for ARC and gas welding.
2. Weld to only clean, rust-free surface.
3. All welds to be continuous and free of cracks, craters and porosity. Tack welds not acceptable.
4. Grind smooth all exposed welds, match adjoining surfaces.
5. Plug all open ends and tops, and weld.

D. Painting
1. Prime all metal work with one coat Zinc Chromate primer.
2. Paint all metal work with 2 coats 'Rustoleum' in semi-gloss or flat as shown on the drawings. Paint to be 4 mils minimum dry thickness each.
3. Prime and paint per above, all field welds.

E. Protection and Cleanup
1. Protect all existing work from paint overspray.
2. Obtain Fire Permit where required for on-site welding.
3. Upon completion of work, remove all scrap iron, debris, materials and tools from site.

END OF SECTION

END OF SECTION

WELDED ORNAMENTAL STEEL FENCE SPECIFICATION:

"MONTAGE PLUS" premium light commercial steel fence system with "Pool, Pet & Play" (PPP) configuration featuring a 3" airspace between the pickets.

Style:

"Majestic" (M) two-rail, six (6) foot height (minimum)

Color:

Black (B)

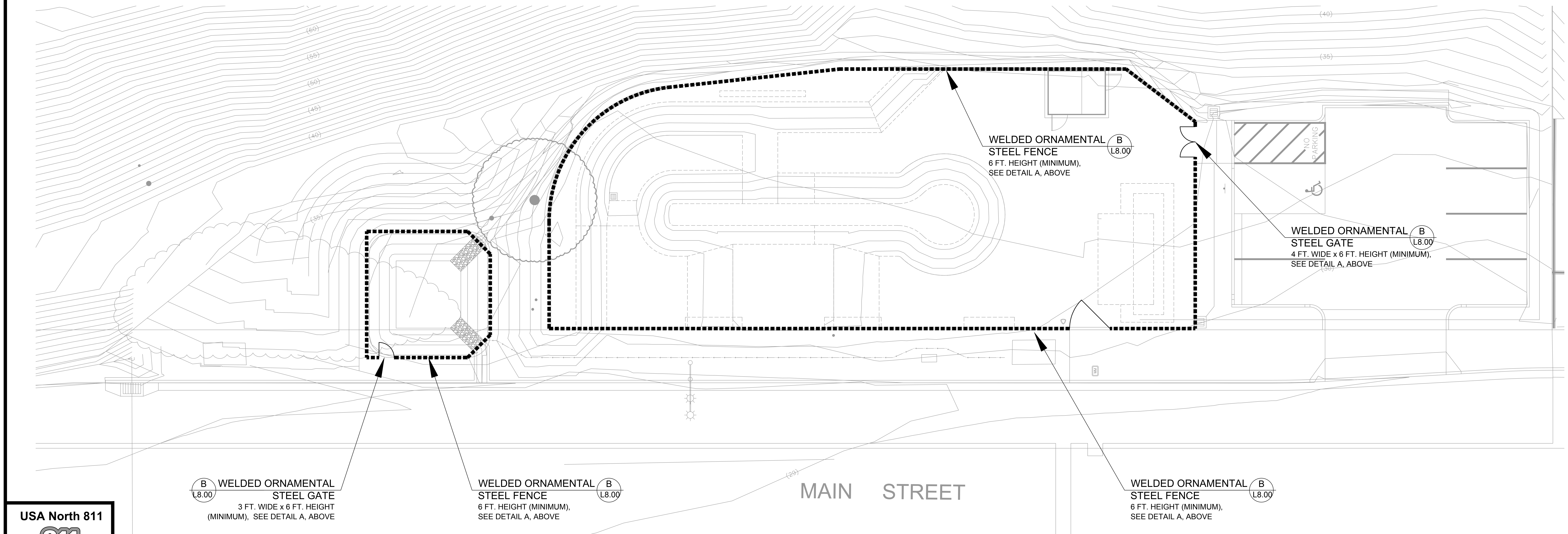
Matching Gates:

Prefabricated gates to match, six (6) foot height, Width as noted on plan.

Manufactured by:

Ameristar Fence Products
1555 N. Mingo Road
Tulsa, Oklahoma 74116
(888) 333-3422
www.ameristarfence.com

A WELDED ORNAMENTAL STEEL FENCE


WELDED ORNAMENTAL STEEL FENCE B L8.00
6 FT. HEIGHT (MINIMUM), SEE DETAIL A, ABOVE
NO PARKING
WELDED ORNAMENTAL STEEL GATE B L8.00
4 FT. WIDE x 6 FT. HEIGHT (MINIMUM), SEE DETAIL A, ABOVE
B L8.00 WELDED ORNAMENTAL STEEL GATE
3 FT. WIDE x 6 FT. HEIGHT (MINIMUM), SEE DETAIL A, ABOVE
WELDED ORNAMENTAL STEEL FENCE B L8.00
6 FT. HEIGHT (MINIMUM), SEE DETAIL A, ABOVE
MAIN STREET
WELDED ORNAMENTAL STEEL FENCE B L8.00
6 FT. HEIGHT (MINIMUM), SEE DETAIL A, ABOVE

USA North 811

811®

Know what's below.
Call before you dig.

REFER TO SHEET L-5 FOR WATER EFFICIENT LANDSCAPE ORDINANCE (WELO) WORKSHEET

NORTH

SCALE: 1"=10'-0"

0 10 20 30 40

PLOT DATE: 4/30/2025 - FILE: /Users/jamesburrows/Documents/_JBLA_/JBLA Job Folder/24-117 Cambria CSD Skate Park CDs (CDS)/JBLA/JBLA-Cambria CSD Skate Park-Fence.dwg

Jim Burrows
Landscape Architecture
979 OSOS STREET, SUITE B6
SAN LUIS OBISPO, CA 93401
(805) 439-3209

James L. Burrows No. 2737
12/31/2025
Renewal Date
04/30/2025
Date

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	DATE	REVISION
1	04/30/25	plants per County list
2		
3		
4		
5		
6		

OWNER:
CAMBRIA COMMUNITY SERVICES DISTRICT
1640 1316 TAMSON DRIVE, SUITE 201
CAMBRIA, CALIFORNIA 93428

PROJECT:
CAMBRIA SKATE PARK
MAIN STREET
CAMBRIA, CALIFORNIA

ISSUED: 04/30/2025

PLAN SET 'B'

JBLA PLAN CONTROL

FENCING PLAN

DESIGNED JBLA
DRAWN JBLA
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F-1

1 OF 1 SHEETS