

GRADING GENERAL NOTES

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED VERSION AND AMENDMENTS OF THE CALIFORNIA BUILDING CODE...
1.1. CHAPTER 18 AND APPENDIX J OF THE 2022 CBC
1.2. SAN LUIS OBISPO 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...
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 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...
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...
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...
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...
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...
22.1. A PERSON SHALL NOT 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...
22.2. A PERSON SHALL TAKE EVERY REASONABLE 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...
22.5. SUBSECTIONS (22.1) AND (22.2) SHALL NOT BE APPLICABLE WHEN THE WIND SPEED INSTANTANEOUSLY EXCEEDS 40 KILOMETERS (25 MILES) PER HOUR...
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...
31.1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING MEASURE:
31.2. CESSATION OF ACTIVITIES DURING A STAGE 2 SMOG EPISODE...
31.3. TRUCK ROUTES AND SCHEDULES FOR THE RECEIPT OF MATERIALS SHALL BE COORDINATED WITH THE APPROPRIATE AGENCIES...
32. THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING HIGH WIND DUST CONTROL MEASURE WHEN INSTANTANEOUS WIND SPEEDS EXCEED 25 MILES PER HOUR...
33.1. TERMINATION / MODIFICATION OF SCRAPERS, GRADERS OR DOZERS ON UNPAVED SURFACES UNTIL WINDS SUBSIDE.
33.2. APPLICATION OF WATER AS NEEDED TO ANY UNPAVED SURFACE WITH VEHICLE OR EQUIPMENT OPERATIONS.
33.3. APPLICATION OF WATER OR OTHER DUST CONTROL MATERIAL ON ANY PREVIOUSLY GRADED SURFACE IF DUST EMANATION IS VISIBLE FROM SUCH A SURFACE.
34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EQUIPMENT TO PREVENT VISIBLE SMOOT 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.
35. 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...
36. PURSUANT TO SECTION 8779.1 OF THE BUSINESS AND PROFESSIONS CODE, EXISTING SURVEY MONUMENTS SHALL BE NOTED AND DOCUMENTED BEFORE CONSTRUCTION...
37. 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...
2. CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION...
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 AND BEST RECOLLECTION OF FACILITY STAFF...
4. 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...
5. 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...
6. 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...
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OR PROTECTION OF ALL EXISTING UTILITY 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...
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...
3. THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DAMAGE TO EXISTING HAROSCAPE IMPROVEMENTS...
4. ALL JOIN LINES SHALL BE SAW CUT ON A NEAT, STRAIGHT LINE PARALLEL WITH THE JOIN...
5. ALL EXISTING OBJECTIONABLE MATERIALS THAT CONFLICT WITH PROPOSED IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, BUILDING FOUNDATIONS, UTILITIES AND APPURTENANCES...
6. THE CONTRACTOR SHALL PROTECT ALL EXISTING STREETS FROM DAMAGES CAUSED BY HIS OPERATIONS...
7. THE CONTRACTOR SHALL PERFORM AND BE RESPONSIBLE FOR ALL CLEARING AND GRUBBING OPERATIONS AS NECESSARY TO COMPLETE THE WORK...

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)...
2. THE CONTRACTOR IS ADVISED TO CAREFULLY CHECK ALL PHASES OF WORK RELATING TO THE GRADING AND CONSTRUCTION OF THE PROJECT...
3. SINCE THE CIVIL ENGINEER OR SURVEYOR CANNOT CONTROL THE EXACT METHODS OR MEANS USED BY THE GENERAL CONTRACTOR OR THEIR SUB-CONTRACTORS...
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

Table with project details: ZONING: COMMERCIAL RETAIL (C/R) 013-101-072; 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); WIDM INFORMATION: 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.

UTILITY INFORMATION

Table with utility details: 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 MAIN 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 1960 LA CRUZ WAY PASO ROBLES, CA 93446 (805)-434-9112.

SURVEY NOTES

BENCHMARK: SCRIBED "X" ON SIDEWALK, ELEVATION 29.70' (NAVD 88)
BASIC 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 GL LAND SURVEYING ON MAY 10, 2021.

PROJECT PARTICIPANTS

Table listing project participants: PROPERTY OWNER: CAMBRIA COMMUNITY SERVICES DISTRICT; AGENCY: COUNTY OF SAN LUIS OBISPO; CIVIL ENGINEER: CIVIL DESIGN STUDIO, INC.; GEOTECHNICAL ENGINEER: GEOSOLUTIONS, INC.

ABBREVIATIONS

Table of abbreviations: APWA AMERICAN PUBLIC WORKS ASSOCIATION; AC ASPHALTIC CONCRETE; ARCH ARCHITECT; AV AIR VAC RELEASE; BLDG BUILDING; BEG BEGIN CURB RETURN; BEG BEGINNING; BF BLIND FLANGE; SFE BASE FLOOD ELEVATION; BSW BACK OF SIDEWALK; BVC BEGIN VERTICAL CURVE; BW BOTTOM OF WALL; BLOW OFF; C/L CENTERLINE; CB CATCH BASIN; CMU CONCRETE MASONRY UNIT; CONC CONCRETE; DDC DOUBLE DETECTOR CHECK; DRIVEWAY; ECR END CURB RETURN; EG EXISTING GRADE; EL ELEVATION; ENG ENGINEER; EDGE OF PAVEMENT; ESMT EASEMENT; END VERTICAL CURVE; FDC FIRE DEPARTMENT CONNECTION; FF FINISHED FLOOR ELEVATION; FH FINISHED GROUND ELEVATION; FL FLOW LINE; FLG FINISHED SURFACE ELEVATION; GB GRADE BREAK; GM GAS METER; GV GAS VALVE; GTO GRADE TO DRAIN; GUY GUY WIRE ANCHOR; HB HOSE BIB; HP HIGH POINT; SEWER INVERT ELEVATION; IRR IRRIGATION CONTROL VALVE; INV STORM DRAIN INVERT ELEVATION; IRR IRRIGATION; JP JOINT POLE; L/A LANDSCAPE AREA; LP LIGHT POLE / LOW POINT; MH MANHOLE; MON MONUMENT; NG NATURAL GRADE; NOT A PART; OH/OHD OVERHEAD UTILITY; P/A PLANTER AREA; PC POINT OF CURVATURE; PCC POINT OF COMPOUND CURVE; PORTLAND CEMENT CONCRETE; PAD ELEVATION; PI POINT OF INFLECTION; POC POINT OF CONNECTION (UTILITY); PR POWER POLE; PRP POINT OF REVERSE CURVE; PS PARKING STRIPE; POF POINT OF TANGENCY; PUE PUBLIC UTILITY EASEMENT; PVI POINT OF VERTICAL INFLECTION; RW, ROW RIGHT OF WAY; RD REDUCED PRESSURE BACKFLOW DEVICE; SD STORM DRAIN; S/E SUB-GRADE ELEVATION; SS SANITARY SEWER; STA STATION; TB THRUST BLOCK; TC TOP OF CURB; TEL TELEPHONE; TF TOP OF FOOTING; TI TRAFFIC INDEX; TR TOP OF GRADE; TW TOP OF WALL; VC VERTICAL CURVE; VALL VALVE; WDI WASTE DISCHARGE; ID IDENTIFICATION NUMBER; WL WATERLINE; WM WATER METER; WV WATER VALVE.

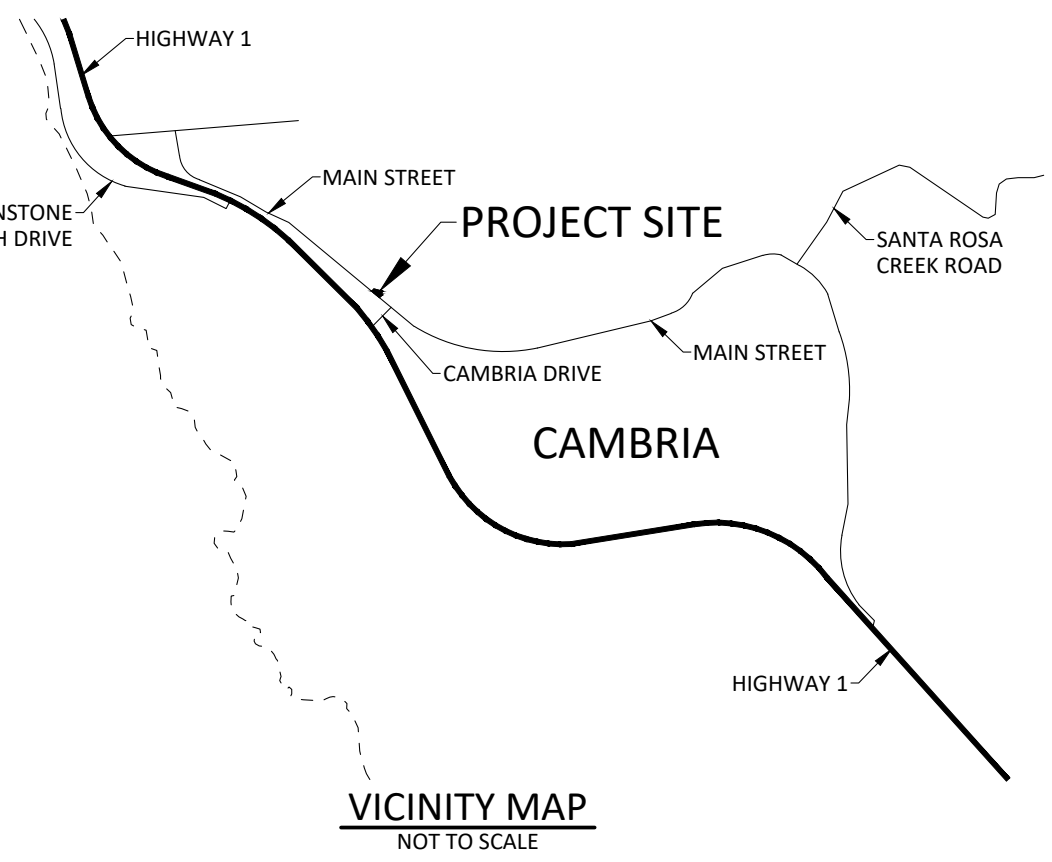
MODIFIED SLO COUNTY FORM BLD-1032 TABLE 1705.6 (2022 CALIFORNIA BUILDING CODE) CHECK IF REQUIRED VERIFICATION AND INSPECTION TASK CONTINUOUS DURING TASK LISTED PERIODICALLY DURING TASK LISTED. Includes grid for verification tasks like 1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.

LEGEND

Legend table mapping symbols to utility types: 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, (E) SD MANHOLE, (E) SS MANHOLE, (E) SD CATCH BASIN, (E) SD/SS CLEANOUT, (E) FIRE HYDRANT, (E) WATER METER, (E) WATER VALVE, (E) BACKFLOW DEVICE, (E) FIRE DEPARTMENT CONNECTION, (E) POST INDICATOR VALVE, (E) GREASE INTERCEPTOR, SD MANHOLE, SS MANHOLE, SD CATCH BASIN, SD/SS CLEANOUT, FIRE HYDRANT, WATER METER, WATER VALVE, BACKFLOW DEVICE, FIRE DEPARTMENT CONNECTION, POST INDICATOR VALVE, GREASE INTERCEPTOR, YARD DRAIN, THRUST BLOCK.

UTILITY GENERAL NOTES

- 1. ALL WATER LINES 3" AND SMALLER SHALL BE SCHEDULE 80 PVC, PER ASTM D-1784 WITH SOLVENT WELD FITTINGS...
2. WATER MAIN AND SEWER MAIN CROSSINGS SHALL COMPLY WITH STATE AND AGENCY HEALTH DEPARTMENT REGULATIONS...
3. MINIMUM WATER LINE COVER SHALL BE 24" FOR 3" DIAMETER AND SMALLER, 36" OF COVER FOR 4" DIAMETER AND LARGER...
4. THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COMPACTION TESTS OF ALL TRENCH BACKFILL AND SUBMIT THEM TO THE CONSTRUCTION MANAGER FOR APPROVAL...
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 "ROUNDUNDER" SHALL NOT BE USED TO REROUND OVERDECOVERED PIPES...
8. ALL VALVE AND CLEANOUT COVERS TO HAVE TRAFFIC RATED VANDAL PROOF COVERS AND ADJUSTED BY CONTRACTOR TO FINISH GRADE AFTER PAVING...
9. UNDERGROUND STEEL UTILITIES SHOULD BE PROTECTED FROM CORROSION WITH 40 MIL EXTRUDED POLYETHYLENE...
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 BE POLY/VINYL CHLORIDE PLASTIC PIPE (OR APPROVED ALTERNATE MATERIAL) AND COMPLY WITH ASTM D3034 FOR 4" THROUGH 15" SDR 35/26 SEWER PIPE...
12. CONTRACTOR SHALL EXPOSE ALL WATER AND SEWER PIPELINES AT PROPOSED CONNECTION POINTS TO CONFIRM MATERIAL, TYPE, LOCATION, AND ELEVATION PRIOR TO BEGINNING CONSTRUCTION...
13. ALL WATERLINES SHALL HAVE UNDERGROUND WARNING TAPE PLACED 12" ABOVE THE LINES IN THE TRENCH...
14. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR AND COORDINATE THE RELOCATION OF ANY EXISTING UTILITIES DEEMED NECESSARY...
15. WHENEVER IT BECOMES NECESSARY TO TUNNEL UNDER EXISTING IMPROVEMENTS, THE CONTRACTOR SHALL SUPPORT THOSE IMPROVEMENTS IN A MANNER APPROVED BY THE PROJECT ENGINEER...
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 ROTOLOGGING OR OTHER MEANS)...
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...
20. ALL SEWER PIPES SHALL BE INSTALLED AT STRAIGHT GRADES BETWEEN INVERT ELEVATIONS INDICATED...
21. ALL CHANGES IN HORIZONTAL ALIGNMENT OF SEWER PIPE SHALL BE ACCOMPLISHED BY USE OF MANUFACTURED FITTINGS AND ELBOWS...
22. CLEAN OUTS SHALL BE INSTALLED ON ALL SEWER AND STORM DRAIN LINES...
23. ALL WET UTILITY TRENCHES, BEDDING AND BACKFILL SHALL CONFORM TO SECTION 306-1.2.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION...
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...
26. ALL PIPE SIZE REFERENCES ARE MINIMUM INSIDE DIAMETER SIZE...
27. NATURAL GAS SERVICE LINES MAY BE INSTALLED IN A COMMON TRENCH WITH WATERLINES...
28. DRINKING FOUNTAIN AND IRRIGATION APPURTENANCES SHOWN HEREON ARE APPROXIMATE AND THE CONTRACTOR SHALL REFER TO THE ARCHITECTS AND LANDSCAPE ARCHITECTS PLANS...
29. THE CONTRACTOR SHALL BEGIN CONSTRUCTION OF ALL SEWER AND STORM DRAIN LINES AND LATERALS FROM THE LOWEST POINT OF ELEVATION...
30. CONTRACTOR SHALL PROVIDE A MINIMUM BURY DEPTH OF 48" FOR FIRE LINES AND 36" FOR WATER.



PROJECT ROAD MAP - GRADING PERMIT

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... THESE PLANS ALLOW FOR CONSTRUCTION OF THE FOLLOWING: GRADING FOR SKATE PARK, PAD PREPARATION FOR PRE-MANUFACTURED BATHROOM BUILDING... SEPARATE PERMITS: CBLD2024-00073. PRE CONSTRUCTION MEETING: A PRE-CONSTRUCTION MEETING IS REQUIRED WITH THE INSPECTOR TO GO OVER SPECIAL INSPECTION REPORTING REQUIREMENTS... SPECIAL INSPECTION TABLE: SEE TABLE 1705.6 FROM THE 2022 CALIFORNIA BUILDING CODE... SPECIAL CERTIFICATIONS: SPECIAL INSPECTORS SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE... PAD CERTIFICATION: PAD CERTIFICATION IS REQUIRED. A SOIL OR CIVIL ENGINEER TO DETERMINE GRADING PERFORMED IS IN SUBSTANTIAL CONFORMANCE... 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

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)... 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... SPECIAL INSPECTION TABLE: SEE TABLE 1705.6 FROM THE 2022 CALIFORNIA BUILDING CODE... SPECIAL CERTIFICATIONS: SPECIAL INSPECTORS SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE... PAD CERTIFICATION: PAD CERTIFICATION IS REQUIRED. A SOIL OR CIVIL ENGINEER TO DETERMINE GRADING PERFORMED IS IN SUBSTANTIAL CONFORMANCE... REPORTS REQUIRED: ENGINEER OF RECORD TO PROVIDE A FINAL REPORT STATING THAT WORK PERFORMED IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS.

Sheet List Table with columns: Sheet Number, Sheet Title. Lists sheets C100 through F-1 including titles like TITLE SHEET, CONDITIONS OF APPROVAL, EXISTING CONDITIONS AND DEMOLITION PLAN, GRADING PLAN, UTILITY PLAN, EROSION CONTROL PLAN, DETAIL SHEET, DETAIL SHEET, DETAIL SHEET, IRRIGATION PLAN, IRRIGATION DETAILS, IRRIGATION SPECIFICATIONS, PLANTING PLAN, PLANTING DETAILS, PLANTING SPECIFICATIONS, FENCING PLAN.

REVISIONS table with columns: REVISIONS, 1ST PLAN CHECK CORRECTIONS, 2ND PLAN CHECK CORRECTIONS, 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.

CIVIL DESIGN STUDIO CIVIL ENGINEERING PLANNING PERMITTING. PLANS PREPARED BY: Cambria. P.O. Box 199 805-700-0401. ENGINEER OF RECORD: Cambria. CA 93428 www.civilstudio.com

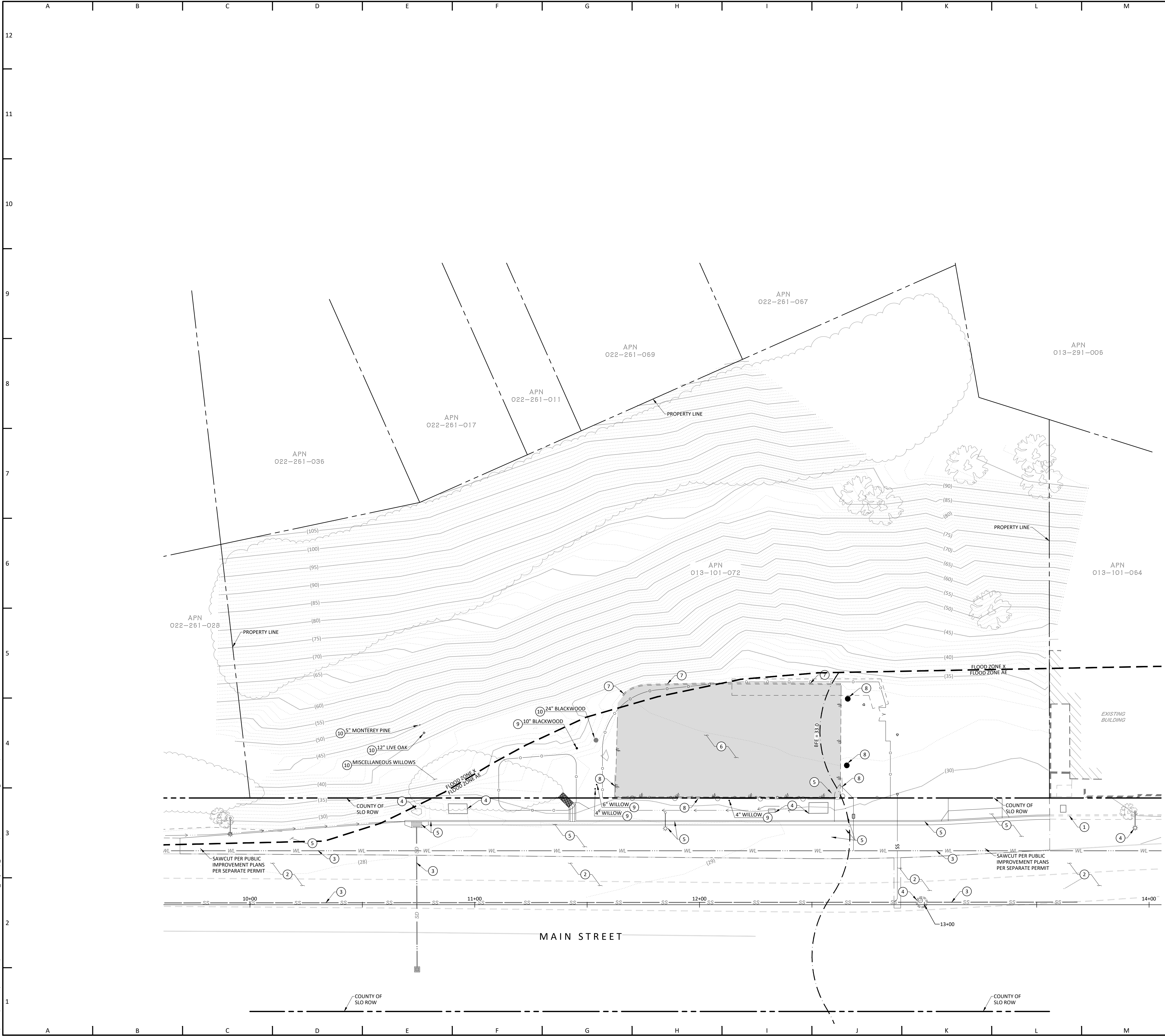
Professional Engineer Seal for Cambria, State of California, License No. 47786.

PROJECT LOCATION: 975 MAIN STREET CAMBRIA, CA 93428. PROJECT NAME: CAMBRIA SKATE PARK.

PROJECT NAME: CAMBRIA COMMUNITY SERVICES DISTRICT 1316 TAMSON DRIVE, SUITE 201 CAMBRIA, CA 93428.

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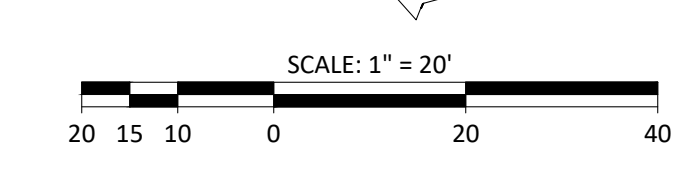


- EXISTING TOPOGRAPHIC NOTES**
- ① EXISTING CURB, GUTTER, AND SIDEWALK - PROTECT IN PLACE
 - ② EXISTING ASPHALT - PROTECT IN PLACE
 - ③ EXISTING UTILITY LINE - PROTECT IN PLACE
 - ④ EXISTING UTILITY FEATURE - PROTECT IN PLACE
 - ⑤ EXISTING IMPROVEMENTS PER PUBLIC IMPROVEMENT PLANS PER SEPARATE PERMIT
 - 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

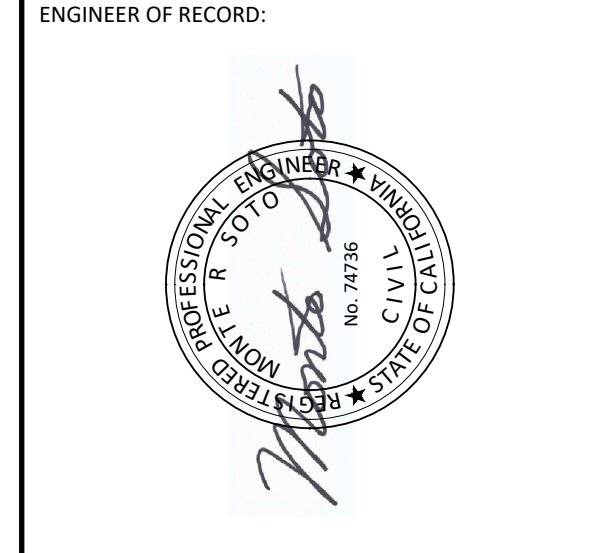
- DEMOLITION GENERAL NOTES**
1. UTILITIES: THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS AND BEST RECOLLECTION OF FACILITY STAFF. THE CIVIL ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION 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 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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 805-700-0401
 Cambria CA 93428
 www.civil-studio.com



ENGINEER OF RECORD:
MRS
 PROJECT LOCATION:
**975 MAIN STREET
 CAMBRIA, CA 93428**
 APN: 013-101-072

PROJECT NAME:
CAMBRIA SKATE PARK

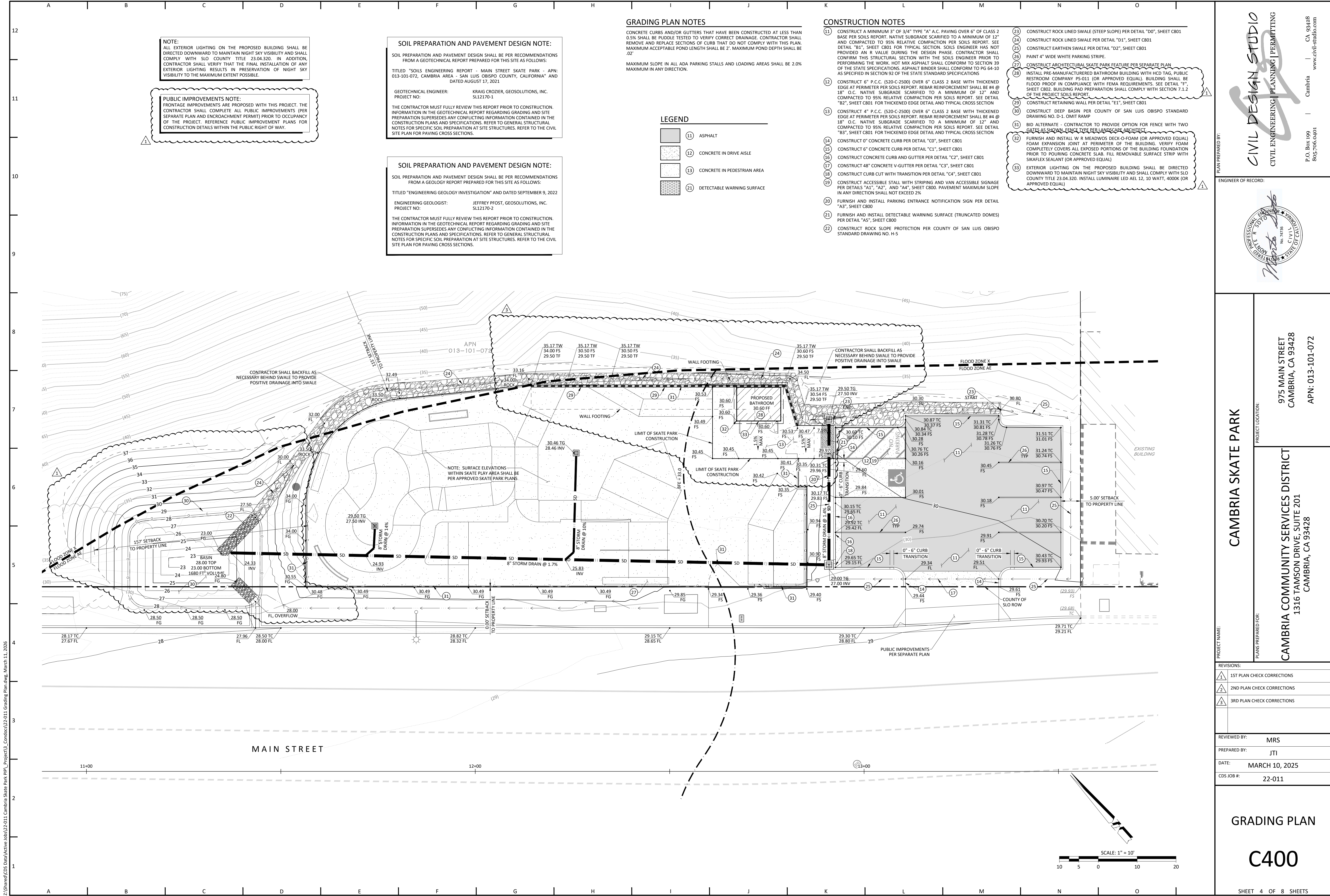
PLANS PREPARED FOR:
**CAMBRIA COMMUNITY SERVICES DISTRICT
 1316 TAMSON DRIVE, SUITE 201
 CAMBRIA, CA 93428**

REVISIONS:

△	1ST PLAN CHECK CORRECTIONS
△	2ND PLAN CHECK CORRECTIONS
△	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



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.

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: KRAG CROZIER, GEOSOLUTIONS, INC. 5112170-1
PROJECT NO:
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. 5112170-2
PROJECT NO:
THE CONTRACTOR MUST FULLY REVIEW THIS REPORT PRIOR TO CONSTRUCTION. INFORMATION IN THE GEOLOGICAL 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 0.2'
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-MANUFACTURED 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
- 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 MEADOWS 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)

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CIVIL ENGINEERING | PLANNING | PERMITTING
P.O. Box 109 Cambria CA 94248
805-700-0401 www.civil-studio.com

ENGINEER OF RECORD: [Signature]

PROFESSIONAL ENGINEER
No. 74736
CIVIL
STATE OF CALIFORNIA

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:

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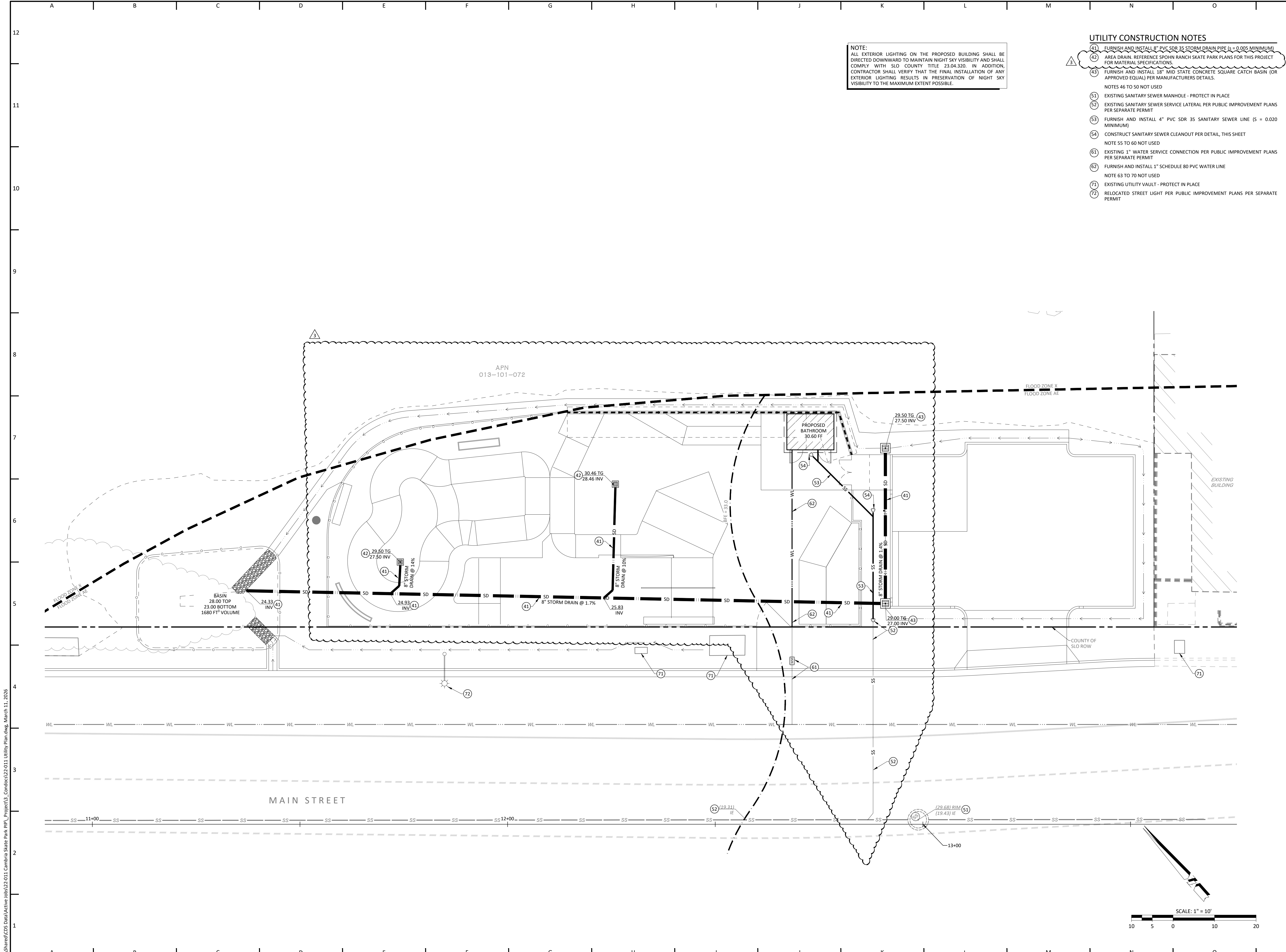
REVIEWED BY: MRS
PREPARED BY: JTI
DATE: MARCH 10, 2025
CDS JOB #: 22-011

GRADING PLAN

C400

SHEET 4 OF 8 SHEETS

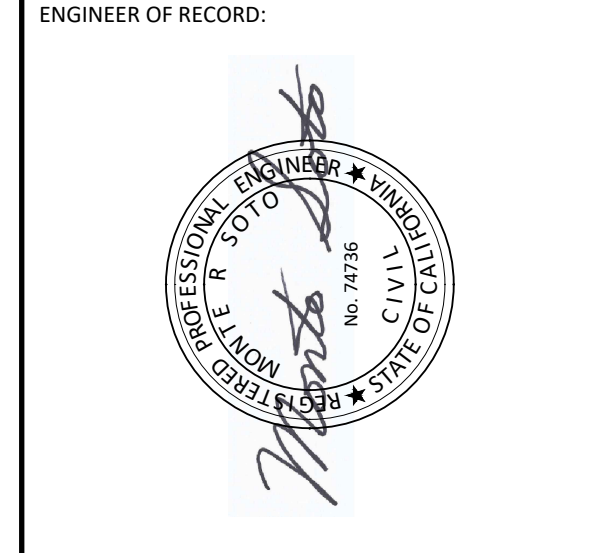
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NOTE:
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- UTILITY CONSTRUCTION NOTES**
- (41) FURNISH AND INSTALL 8" PVC SDR 35 STORM DRAIN PIPE (s = 0.005 MINIMUM)
 - (42) AREA DRAIN. REFERENCE SPOHN RANCH SKATE PARK PLANS FOR THIS PROJECT FOR 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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PROJECT NAME:
CAMBRIA SKATE PARK

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

PLANS PREPARED FOR:
CAMBRIA COMMUNITY SERVICES DISTRICT
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 CAMBRIA, CA 93428

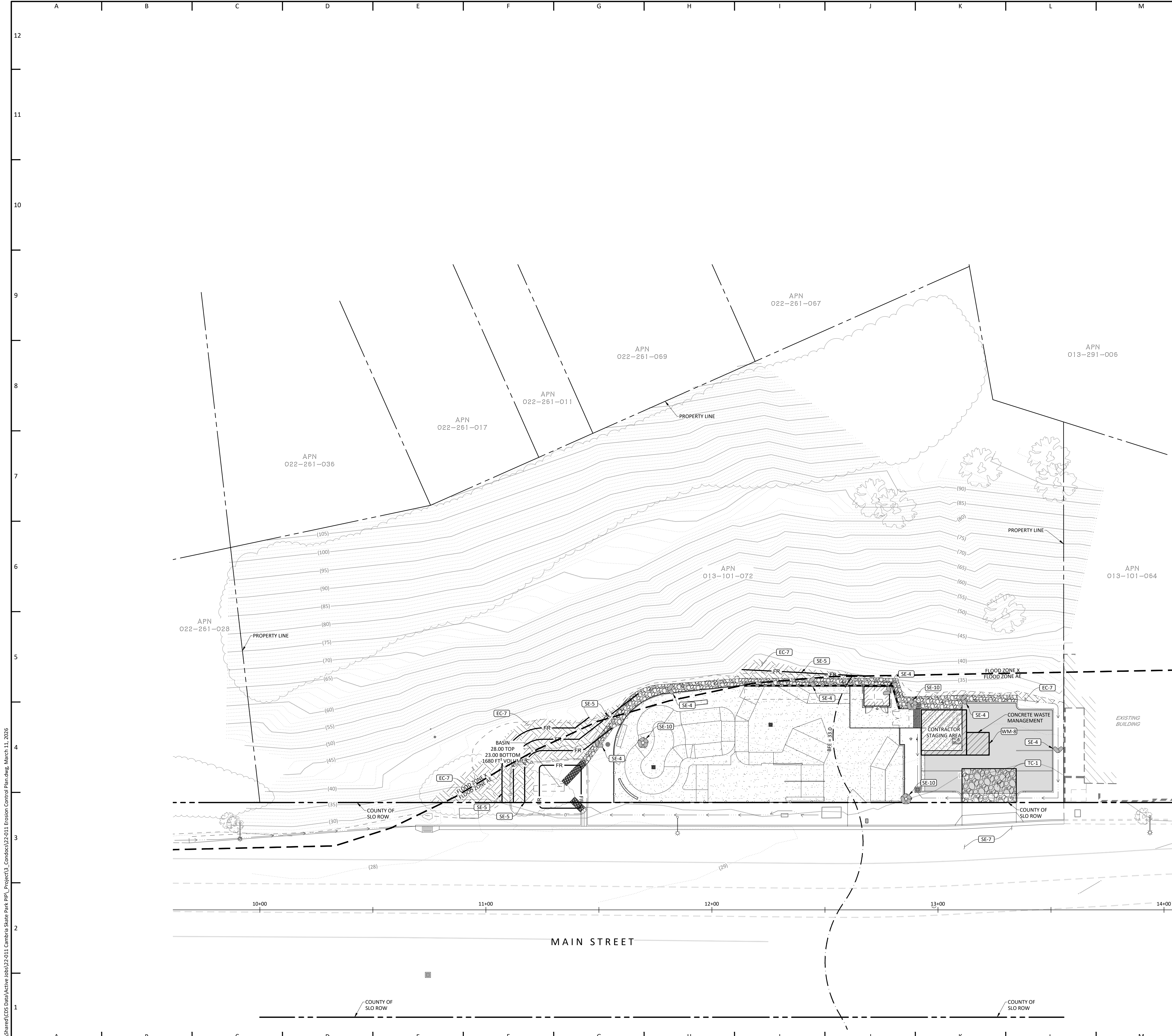
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REVIEWED BY: MRS
 PREPARED BY: JTI
 DATE: MARCH 10, 2025
 CDS JOB #: 22-011

UTILITY PLAN
C500
 SHEET 5 OF 8 SHEETS

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EROSION CONTROL NOTES

- 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.
- 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.
- 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 OSP. ADDITIONAL EROSION CONTROL MEASURES/DEVICES SHALL BE PLACED AT THE DISCRETION OF THE OSD, OSP, AGENCY INSPECTOR, OR RWQCB.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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).
- 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 BMP'S ARE NOT SHOWN IN SPECIFIC LOCATIONS ON THIS PLAN AND ARE APPLICABLE TO THE PROJECT. THE CONTRACTOR SHALL INCORPORATE THESE BMP'S INTO THE PROJECT SCOPE:

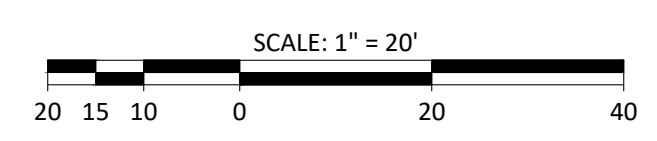
- EC-1 PROJECT SCHEDULING
- EC-2 PRESERVATION OF EXISTING VEGETATION
- NS-1 WATER CONSERVATION
- NS-3 PAVING AND GRINDING
- NS-6 DISCHARGE REPORTING
- NS-7 POTABLE WATER / IRRIGATION
- NS-8 VEHICLE CLEANING
- NS-9 VEHICLE FUELING
- NS-10 VEHICLE MAINTENANCE
- NS-12 CONCRETE CURING
- NS-13 CONCRETE FINISHING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

THE FOLLOWING BMP'S 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 BMP'S 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



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ENGINEER OF RECORD:
[Professional Engineer Seal for MRS. JTI, No. 74786, State of California]

PROJECT LOCATION:
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975 MAIN STREET
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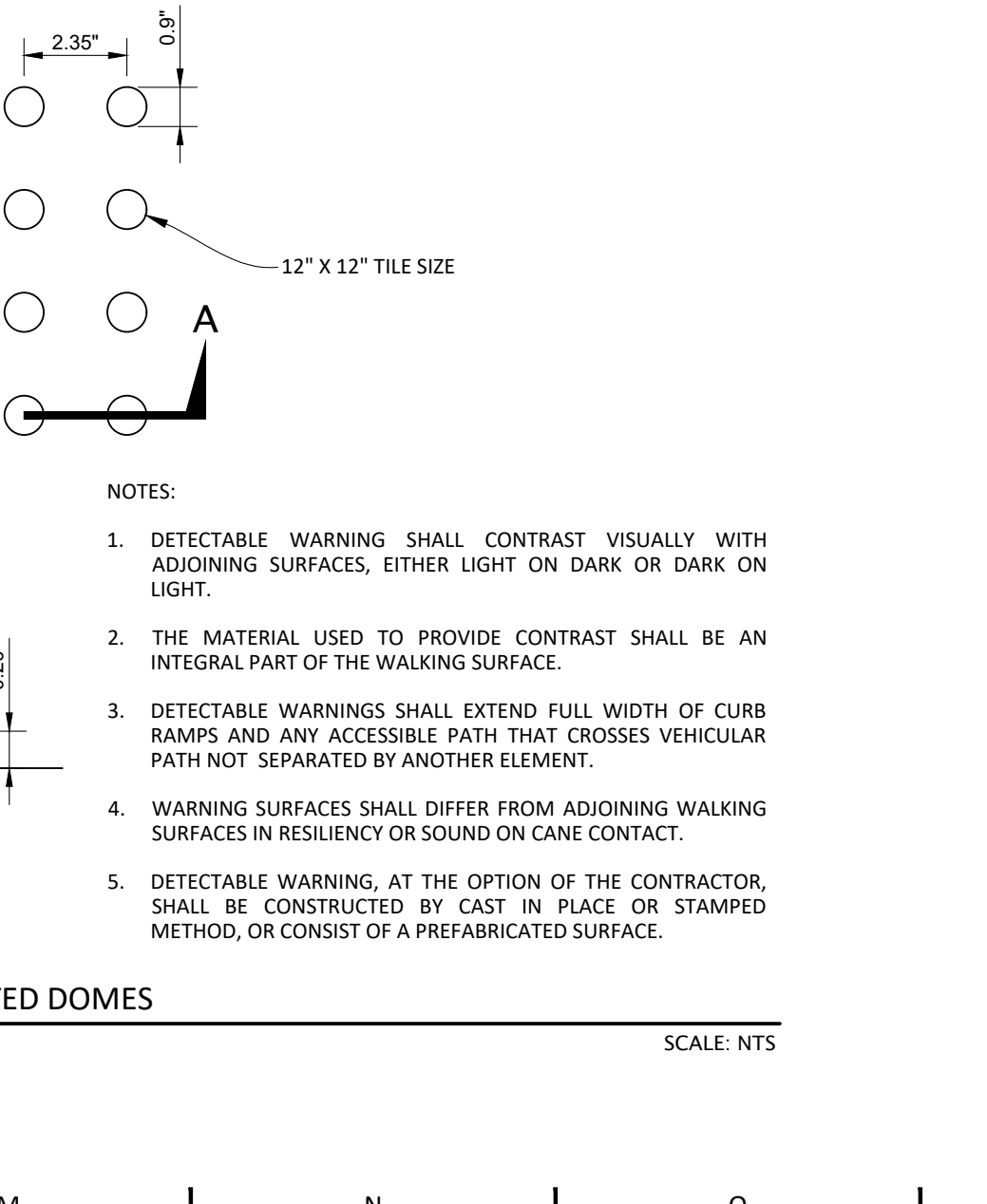
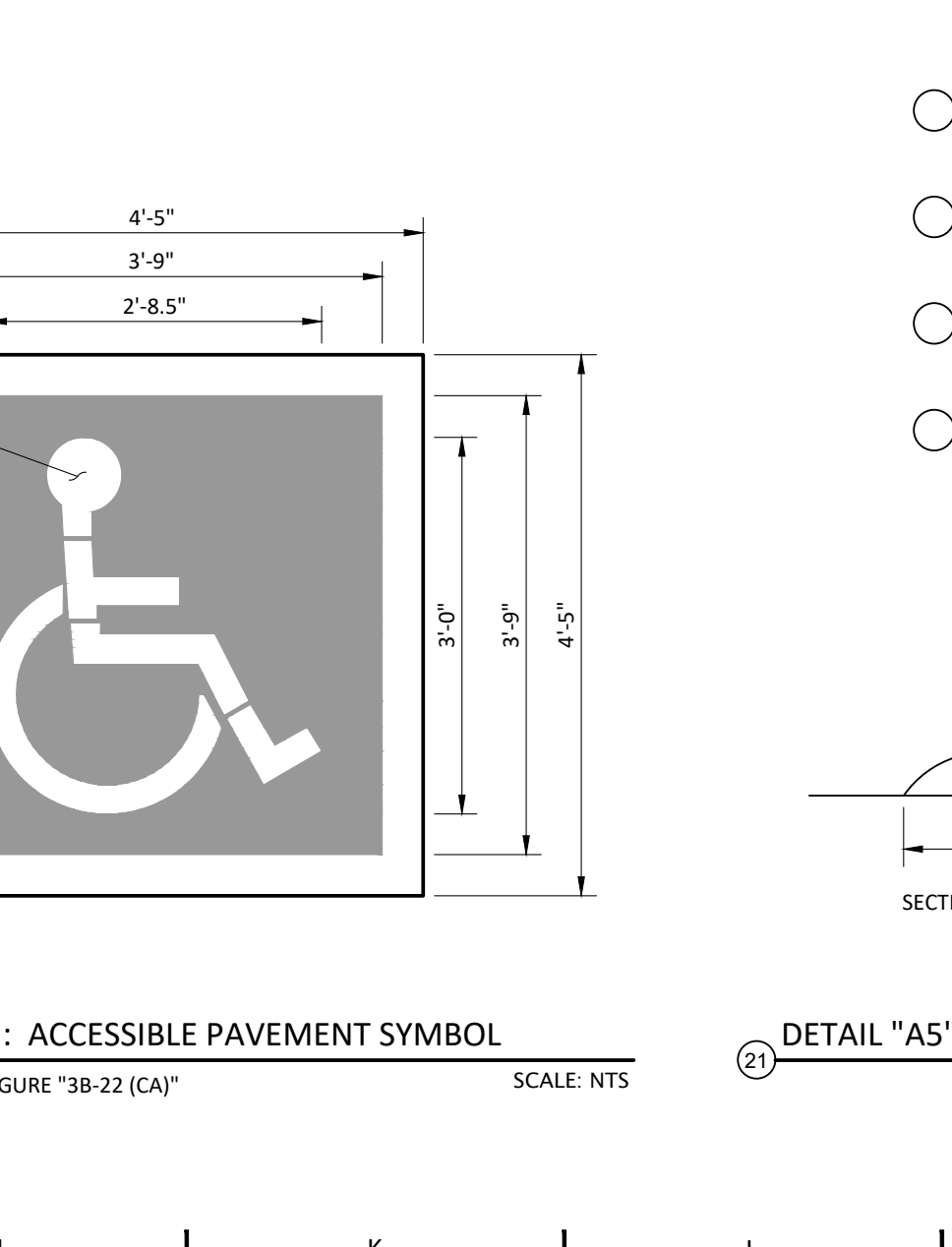
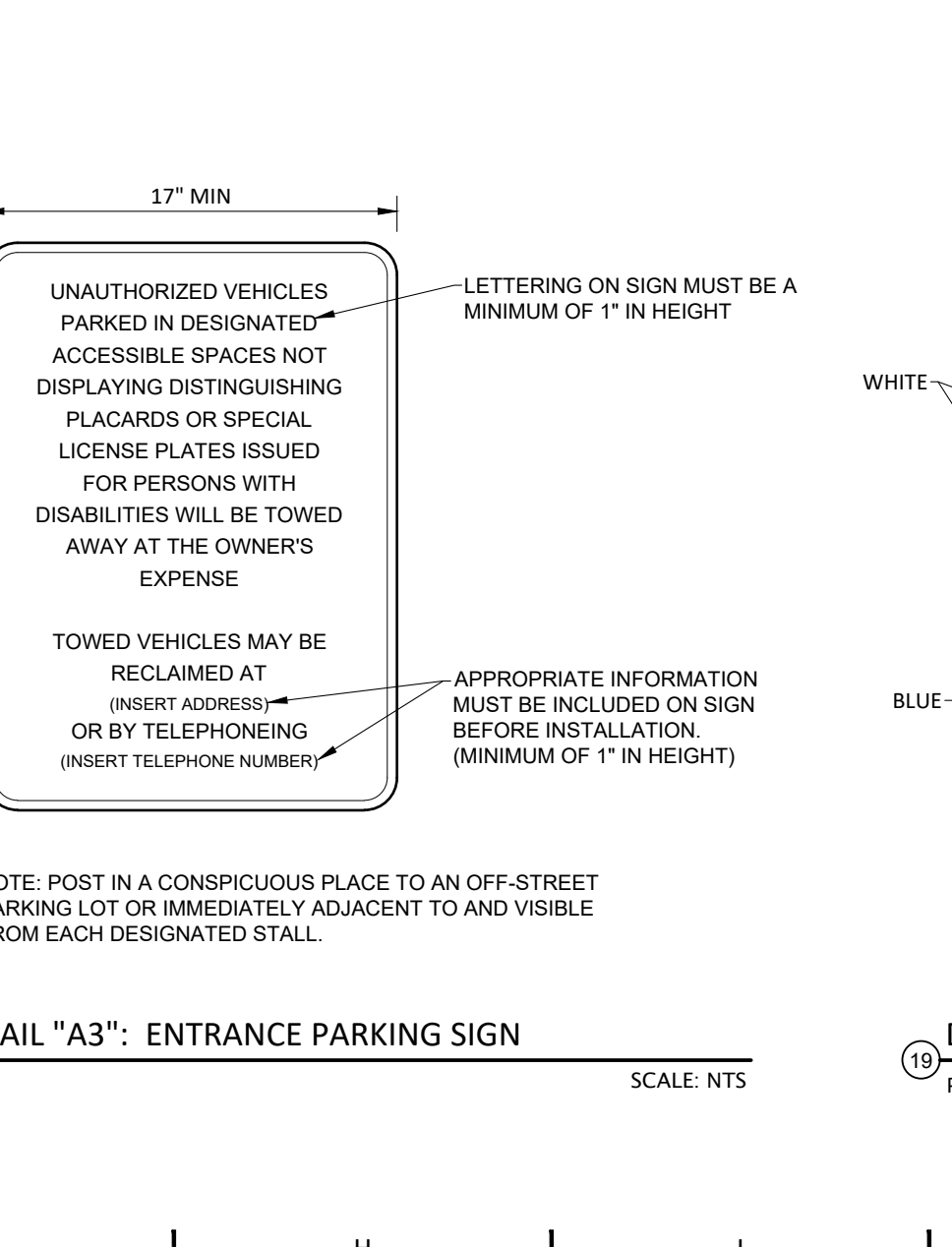
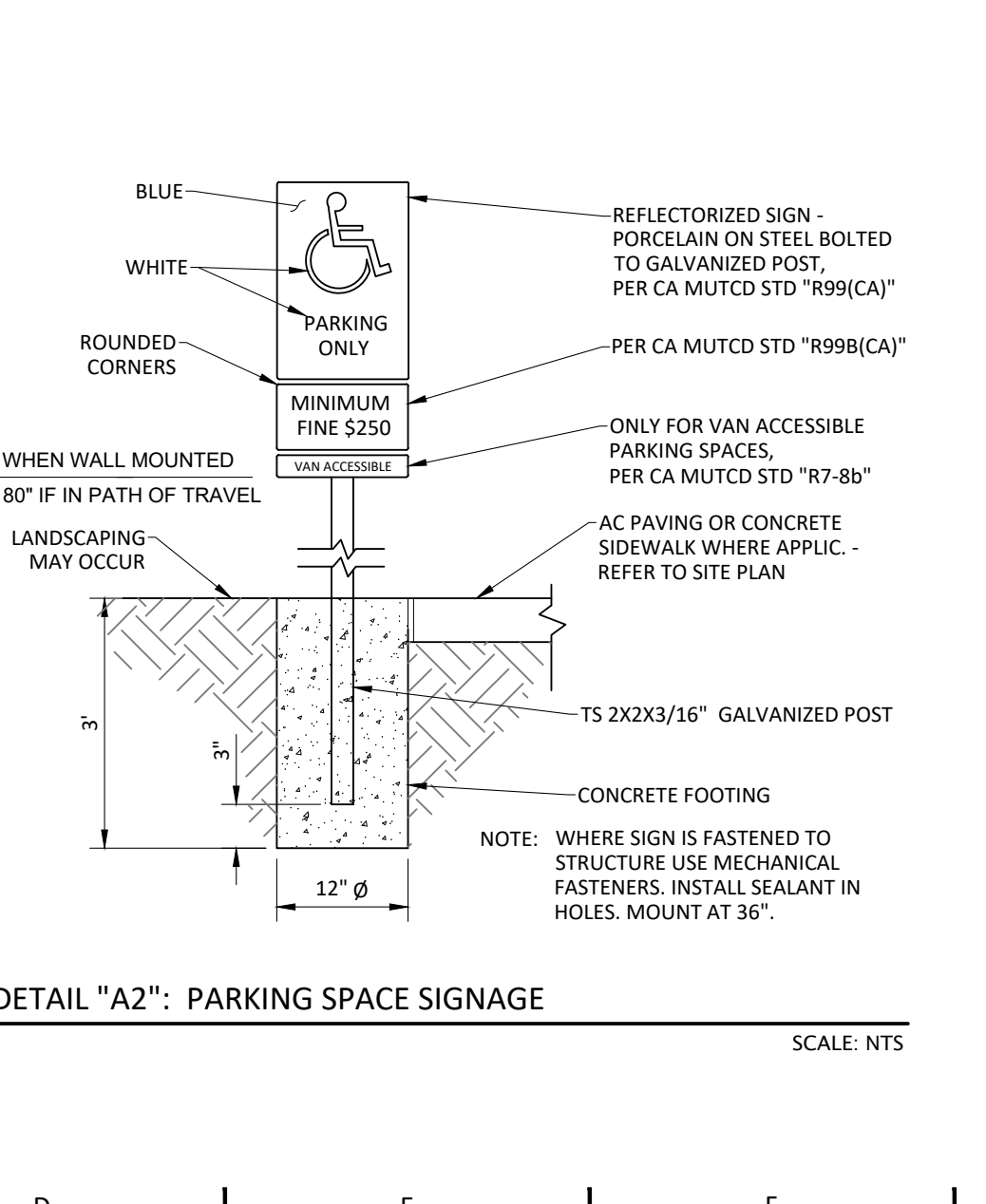
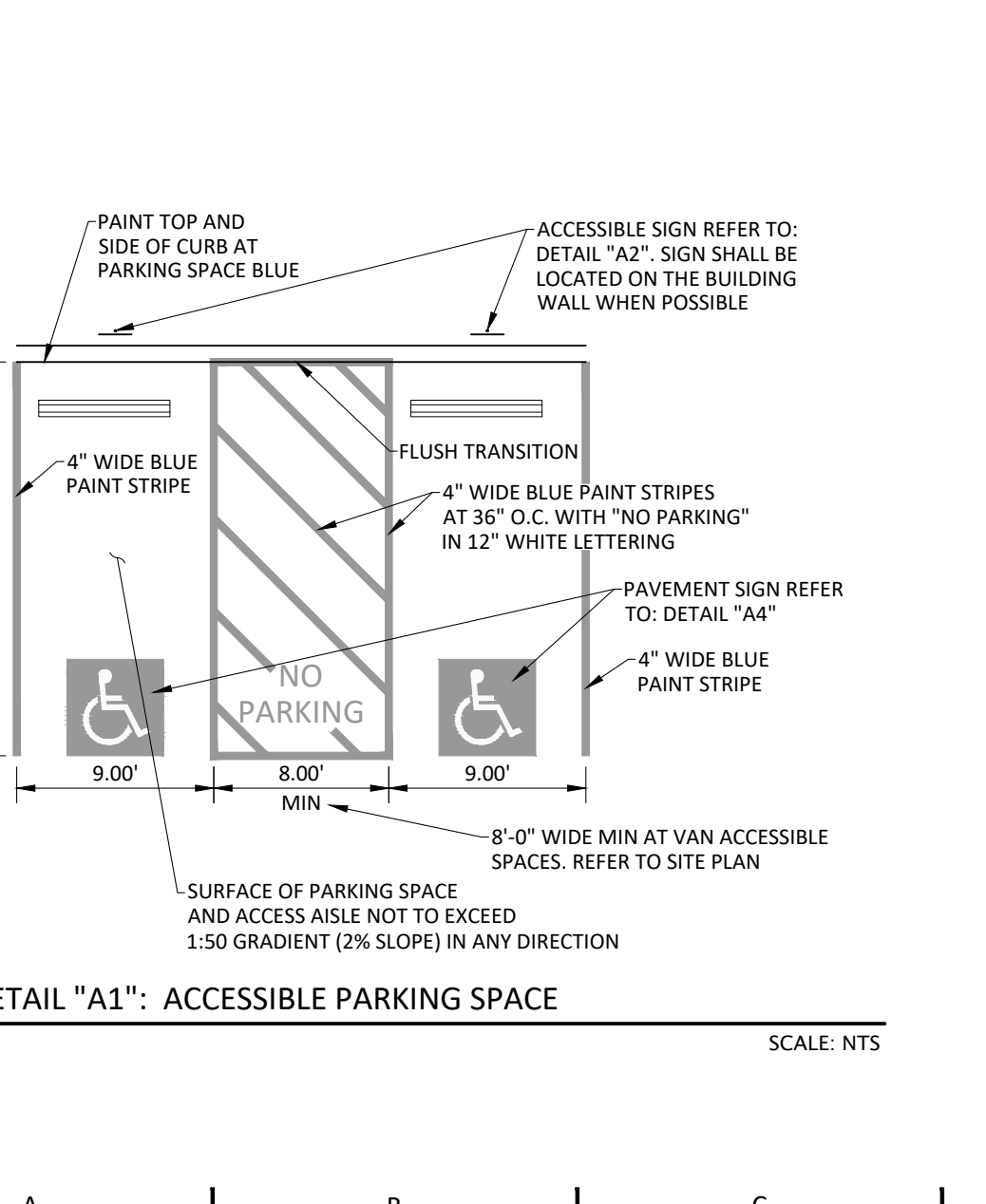
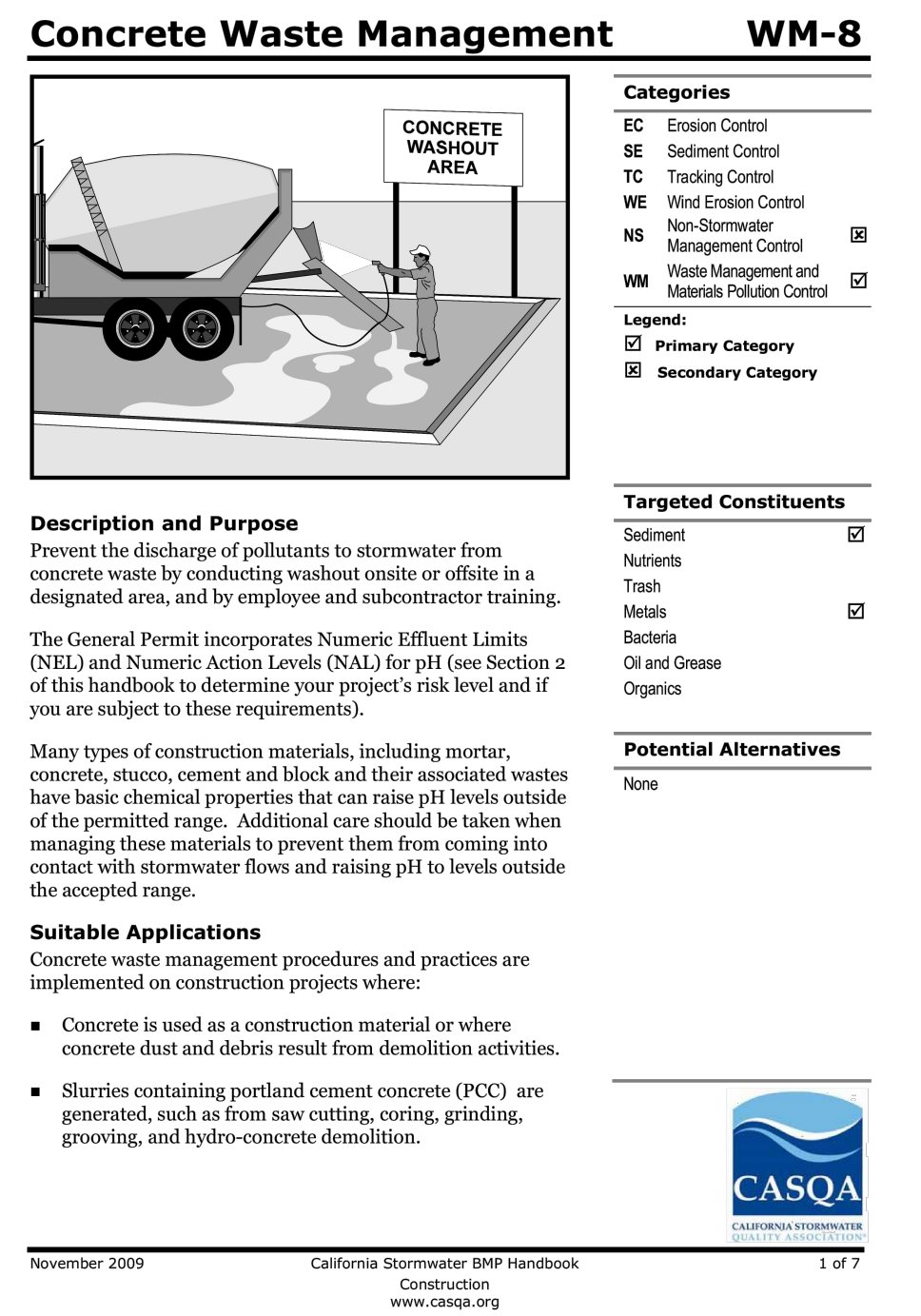
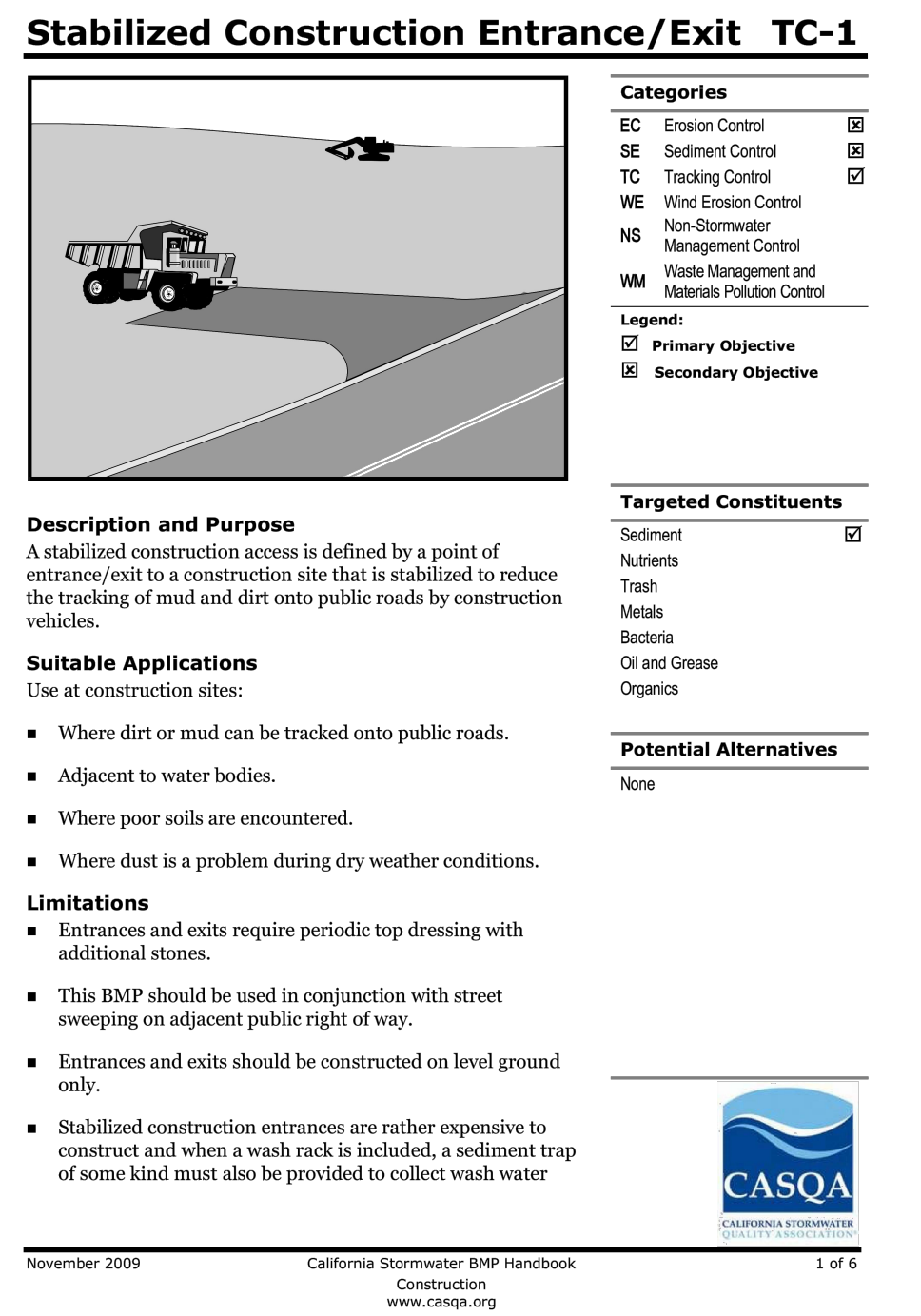
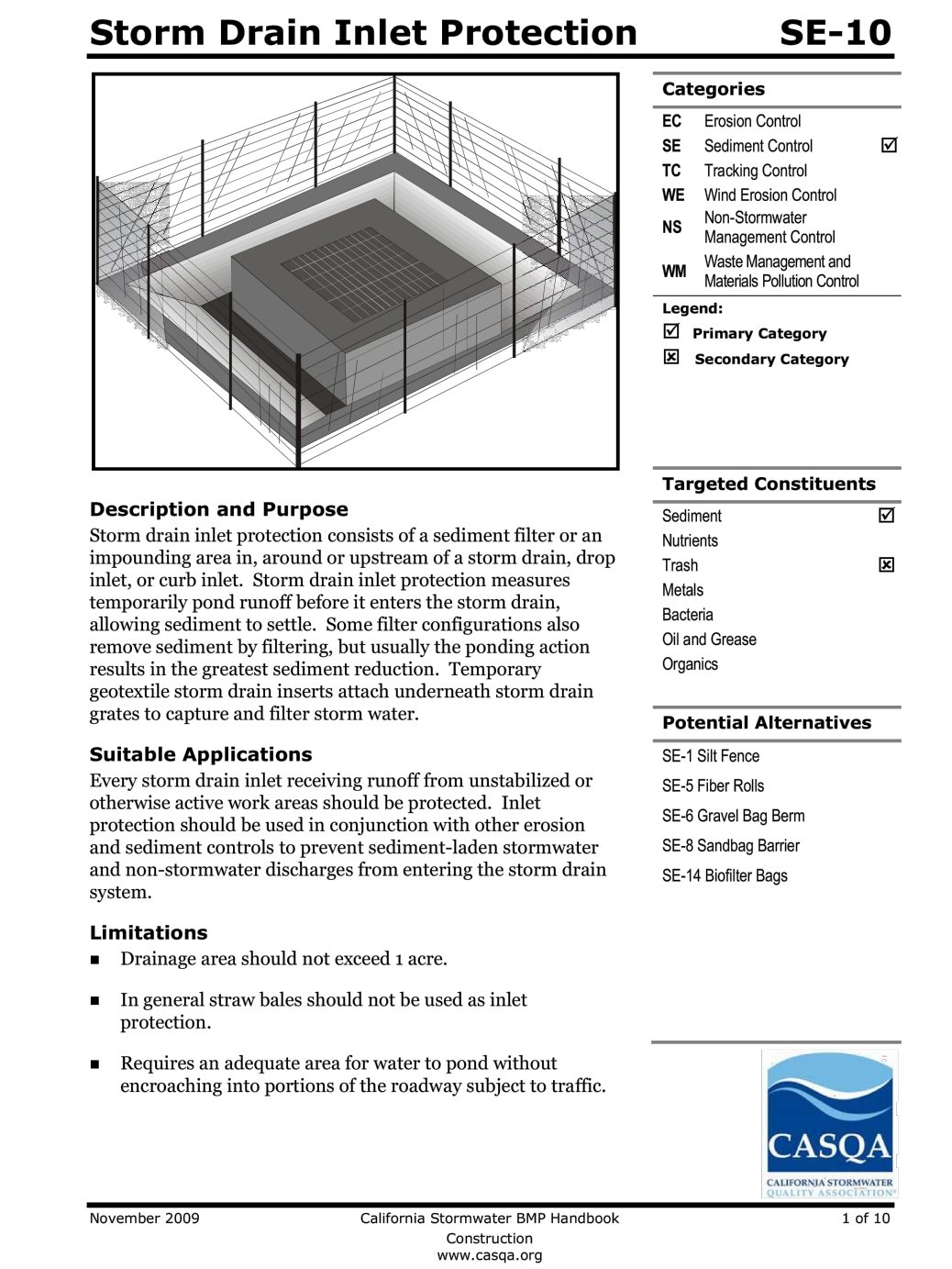
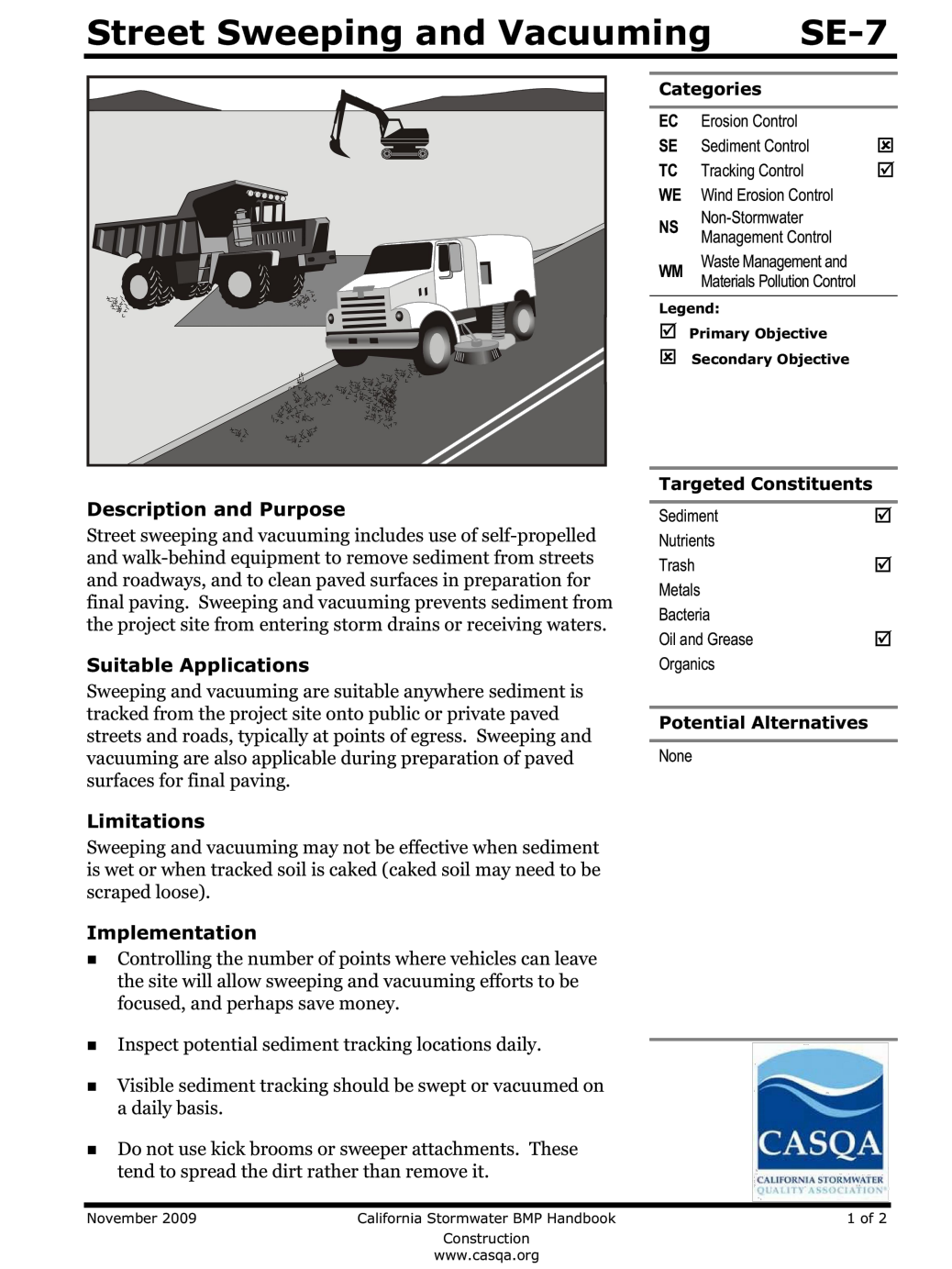
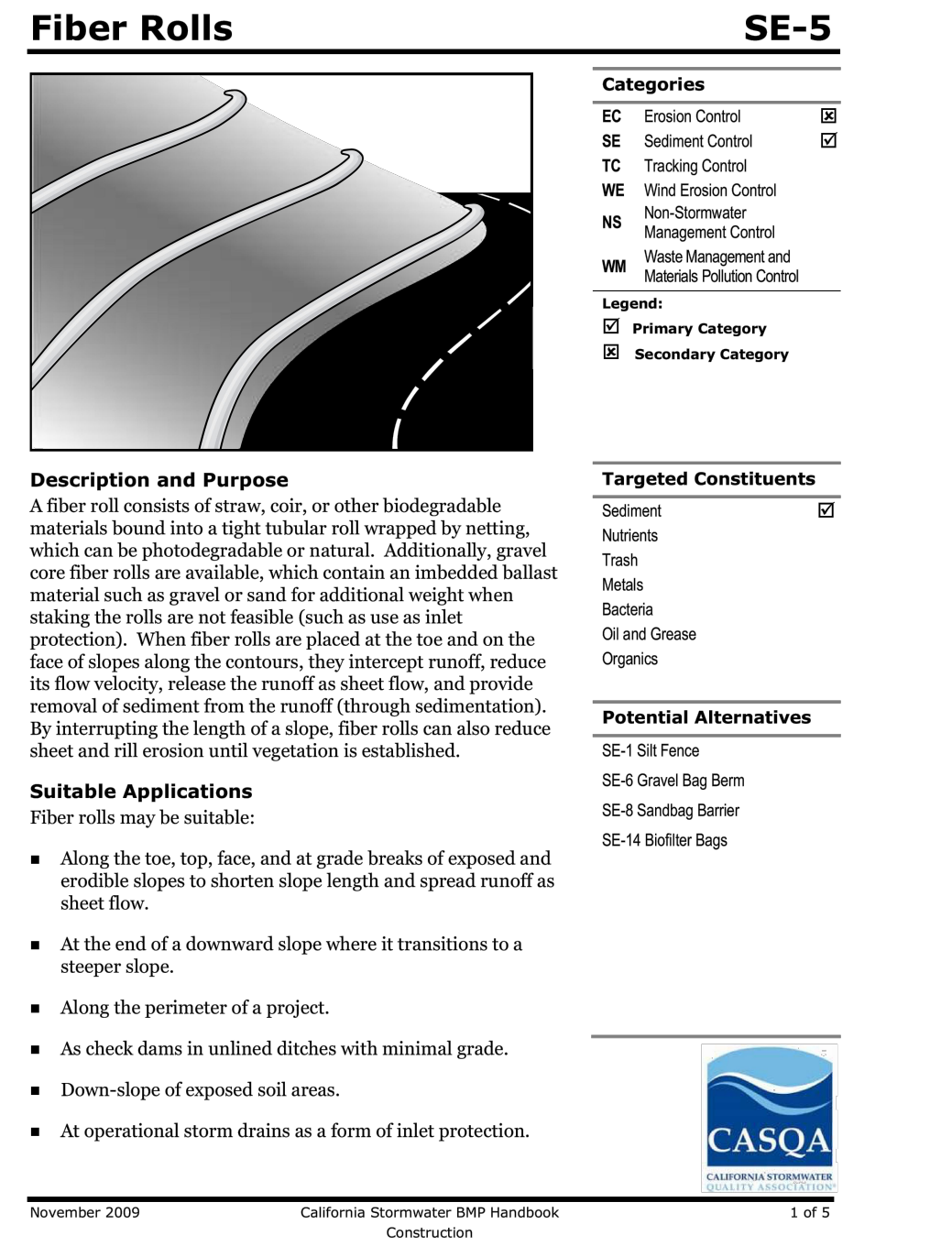
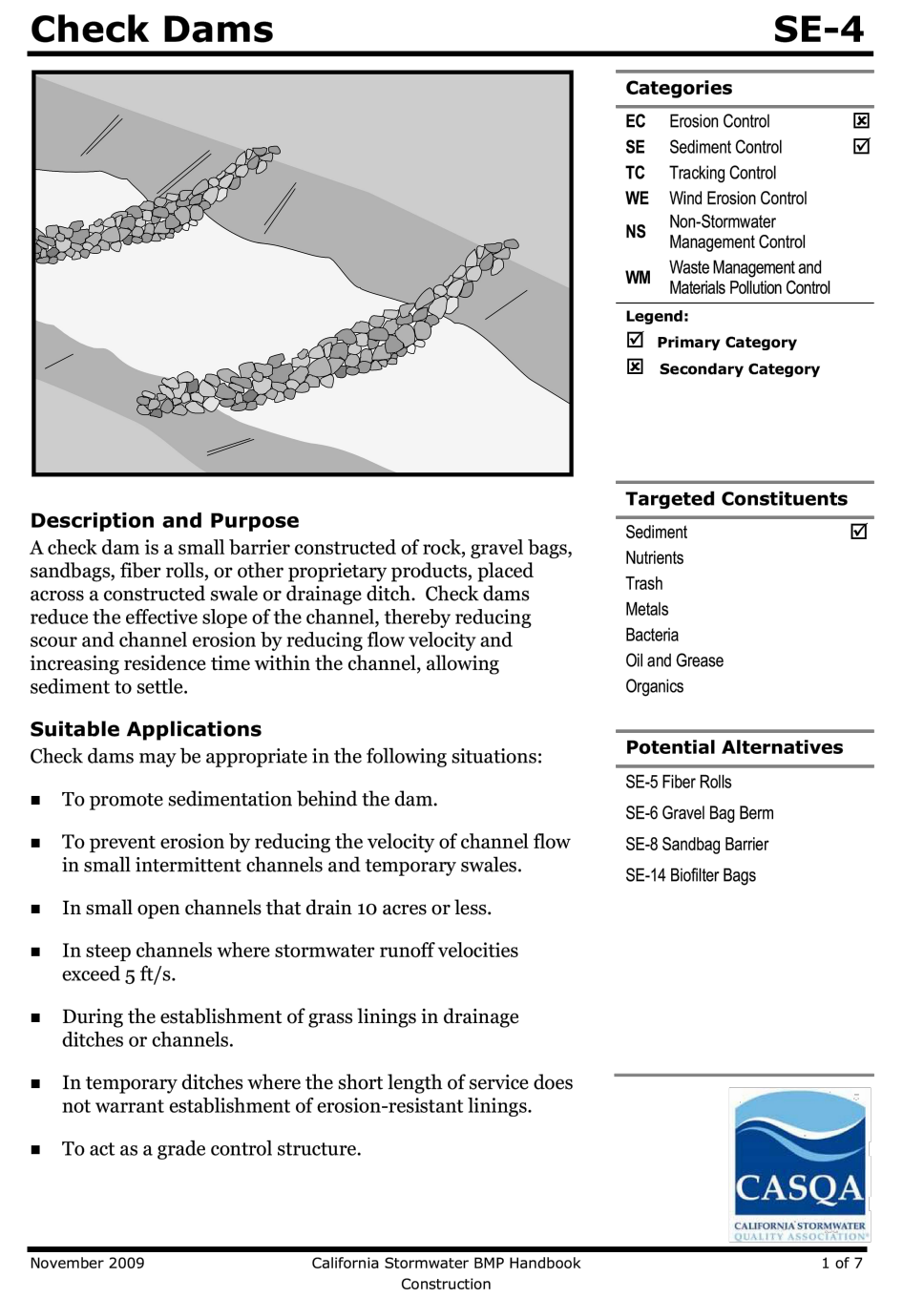
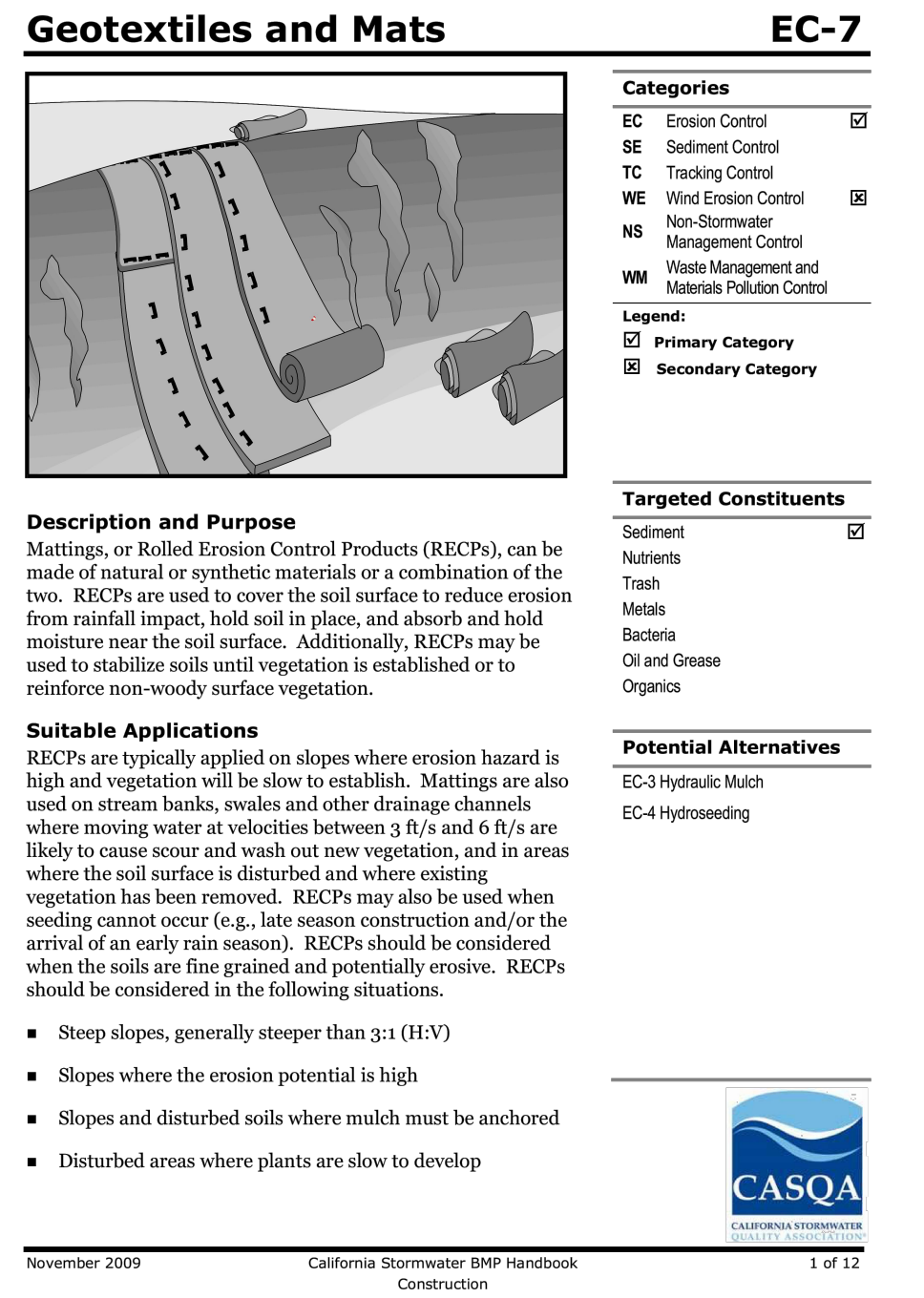
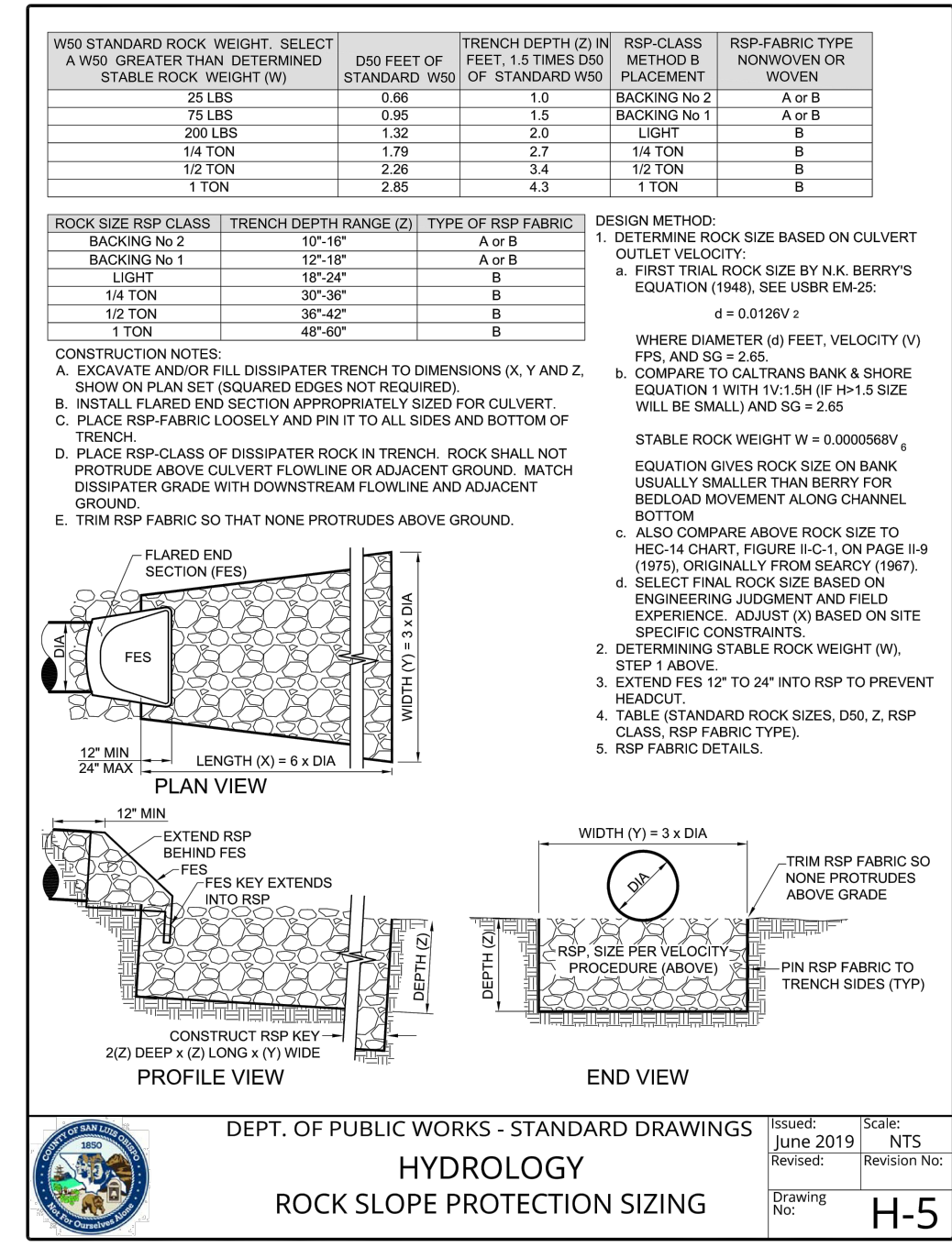
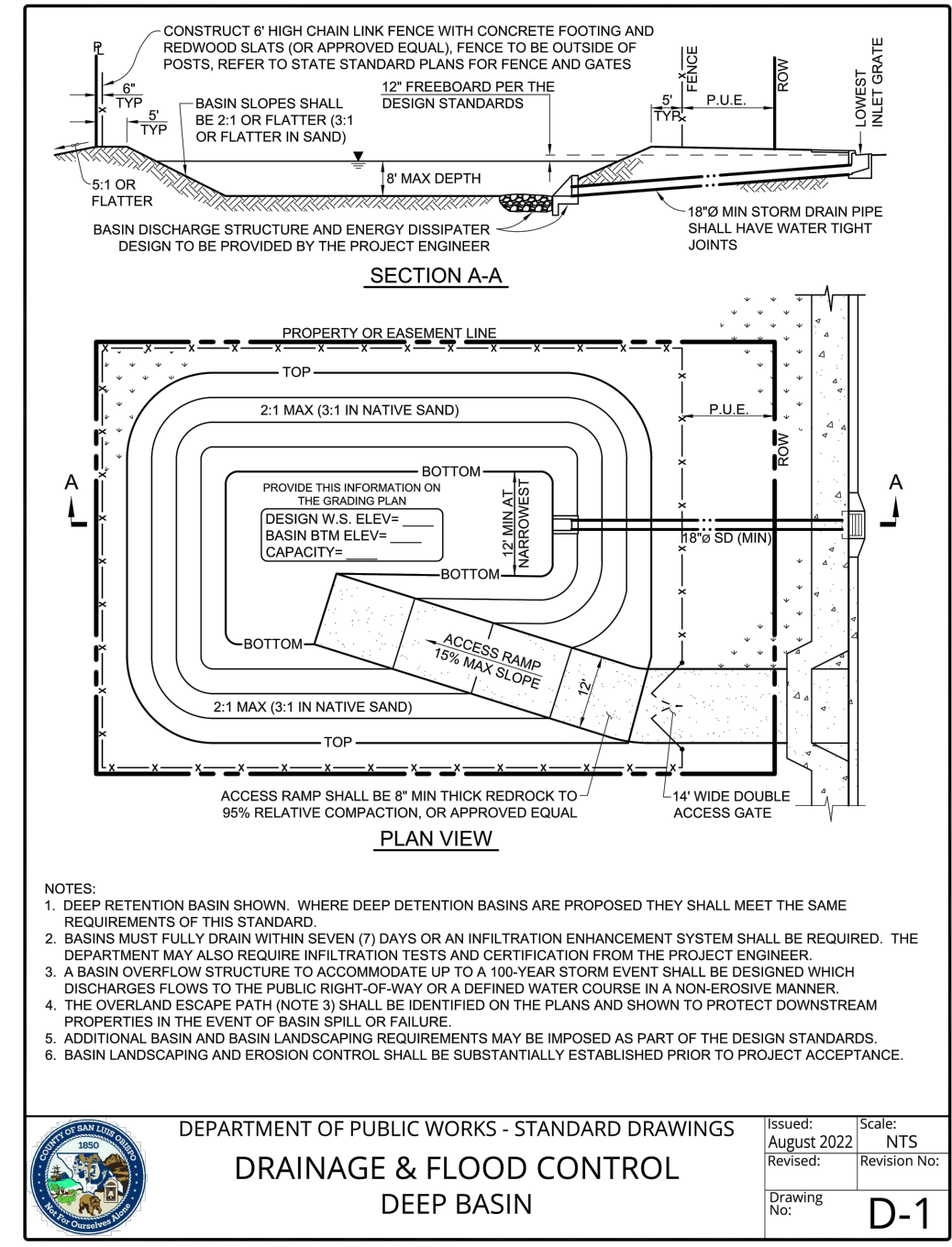
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REVIEWED BY: MRS
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DATE: MARCH 10, 2025
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EROSION CONTROL PLAN
C700
SHEET 6 OF 8 SHEETS

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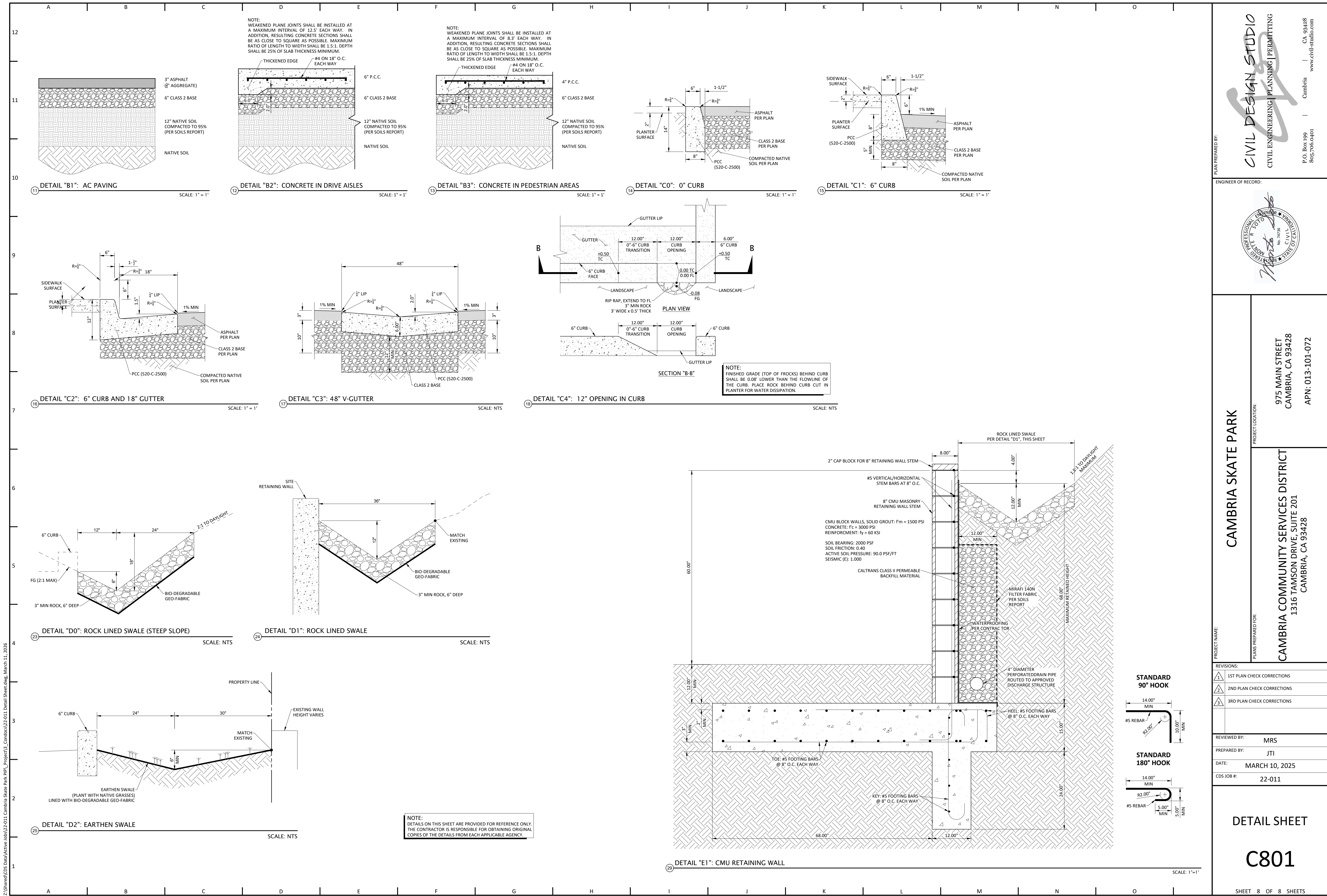


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ENGINEER OF RECORD:
[Signature]
[Professional Seal]

PROJECT LOCATION:
CAMBRIA SKATE PARK
975 MAIN STREET
CAMBRIA, CA 93428
APN: 013-101-072
CAMBRIA COMMUNITY SERVICES DISTRICT
1316 TAMSON DRIVE, SUITE 201
CAMBRIA, CA 93428

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



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PLANS PREPARED FOR:
CAMBRIA COMMUNITY SERVICES DISTRICT
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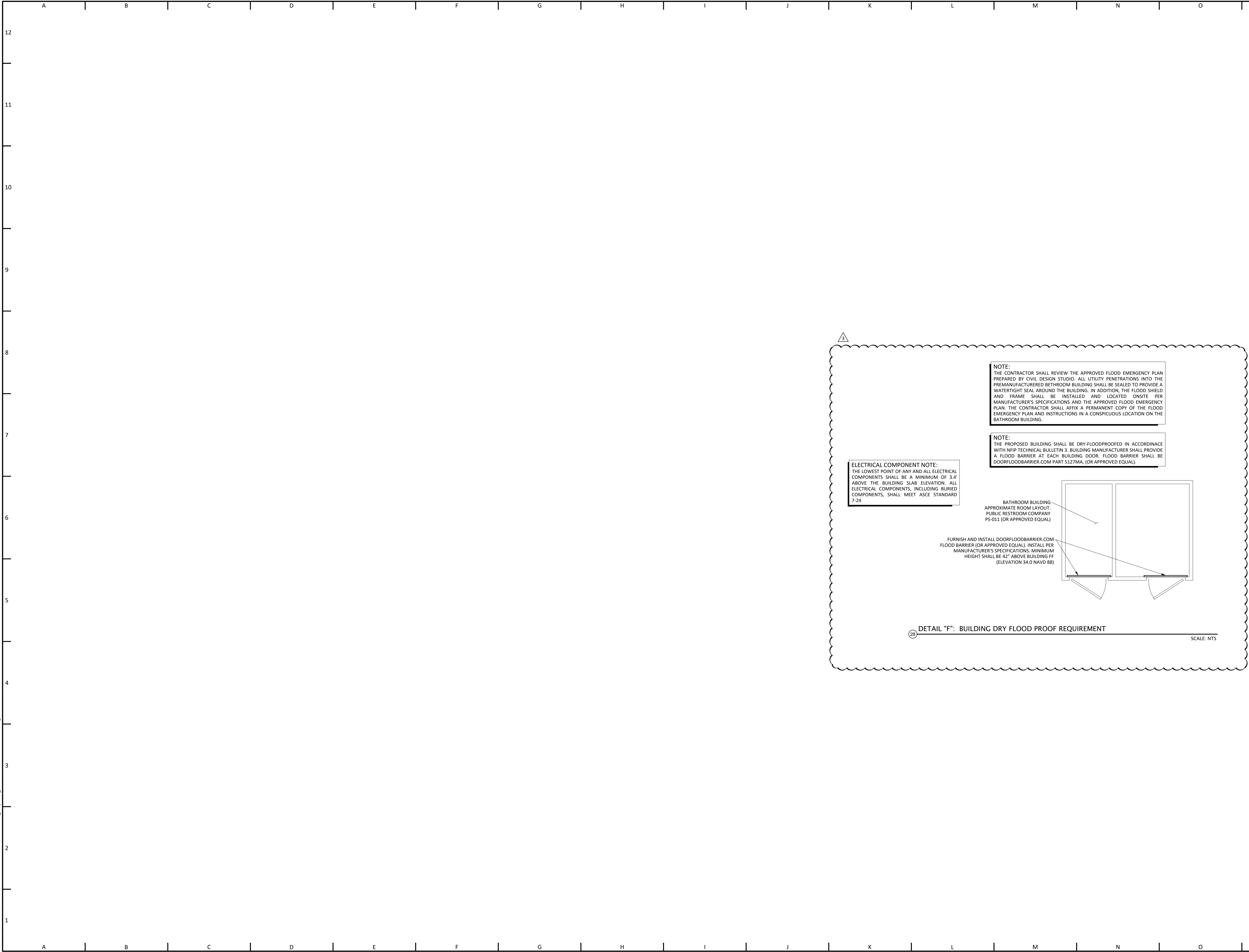
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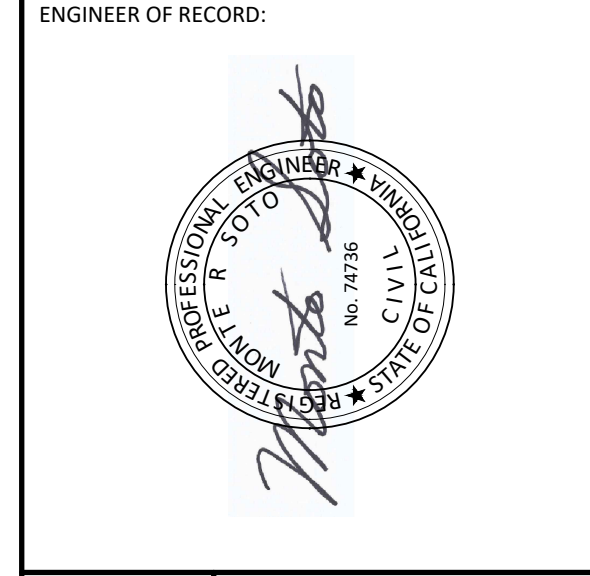
REVIEWED BY: MRS
 PREPARED BY: JTI
 DATE: MARCH 10, 2025
 CDS JOB #: 22-011

DETAIL SHEET
C801
 SHEET 8 OF 8 SHEETS

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CAMBRIA SKATE PARK

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 975 MAIN STREET
 CAMBRIA, CA 93428
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 1316 TAMSON DRIVE, SUITE 201
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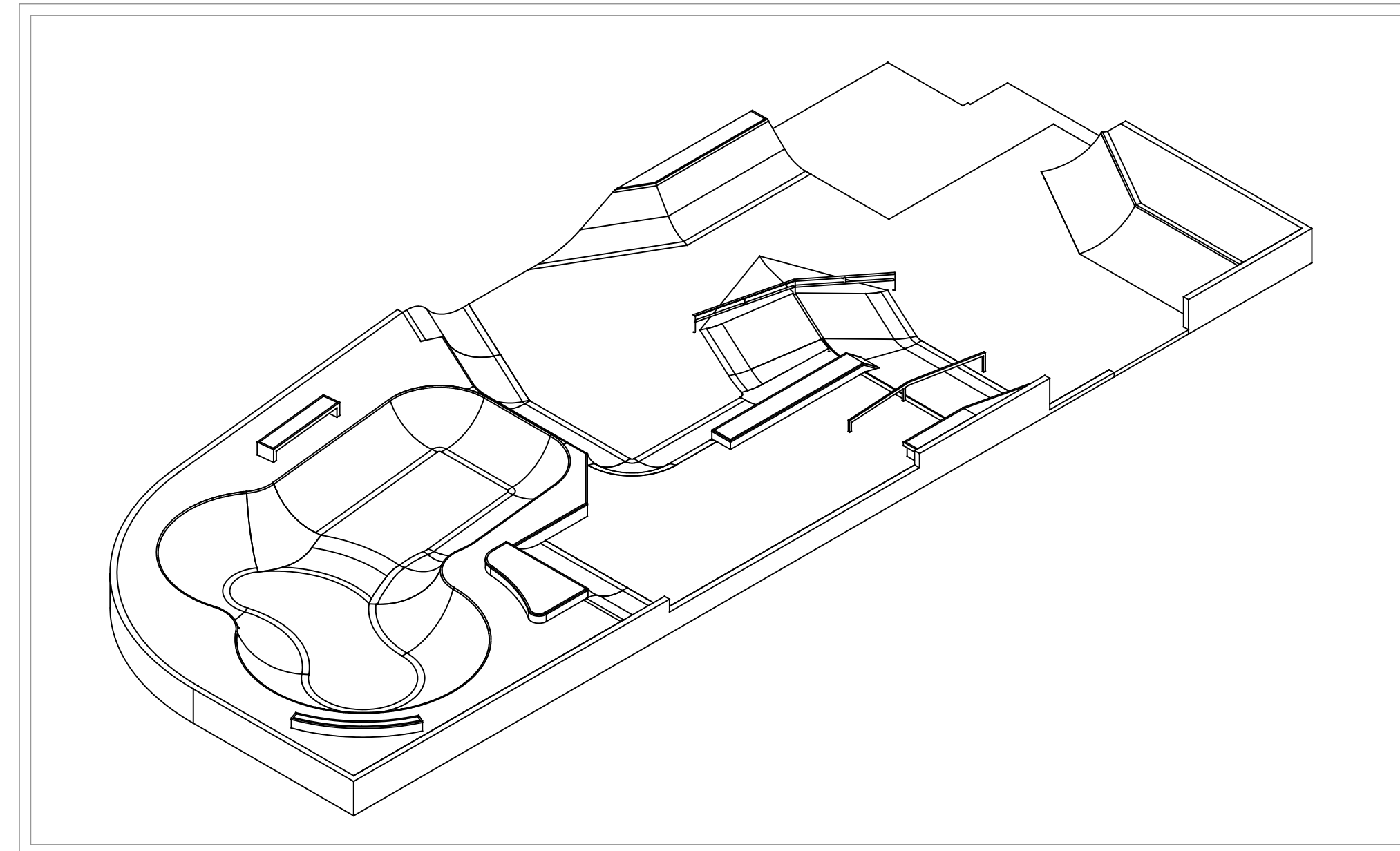
REVISIONS:

△	1ST PLAN CHECK CORRECTIONS
△	2ND PLAN CHECK CORRECTIONS
△	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

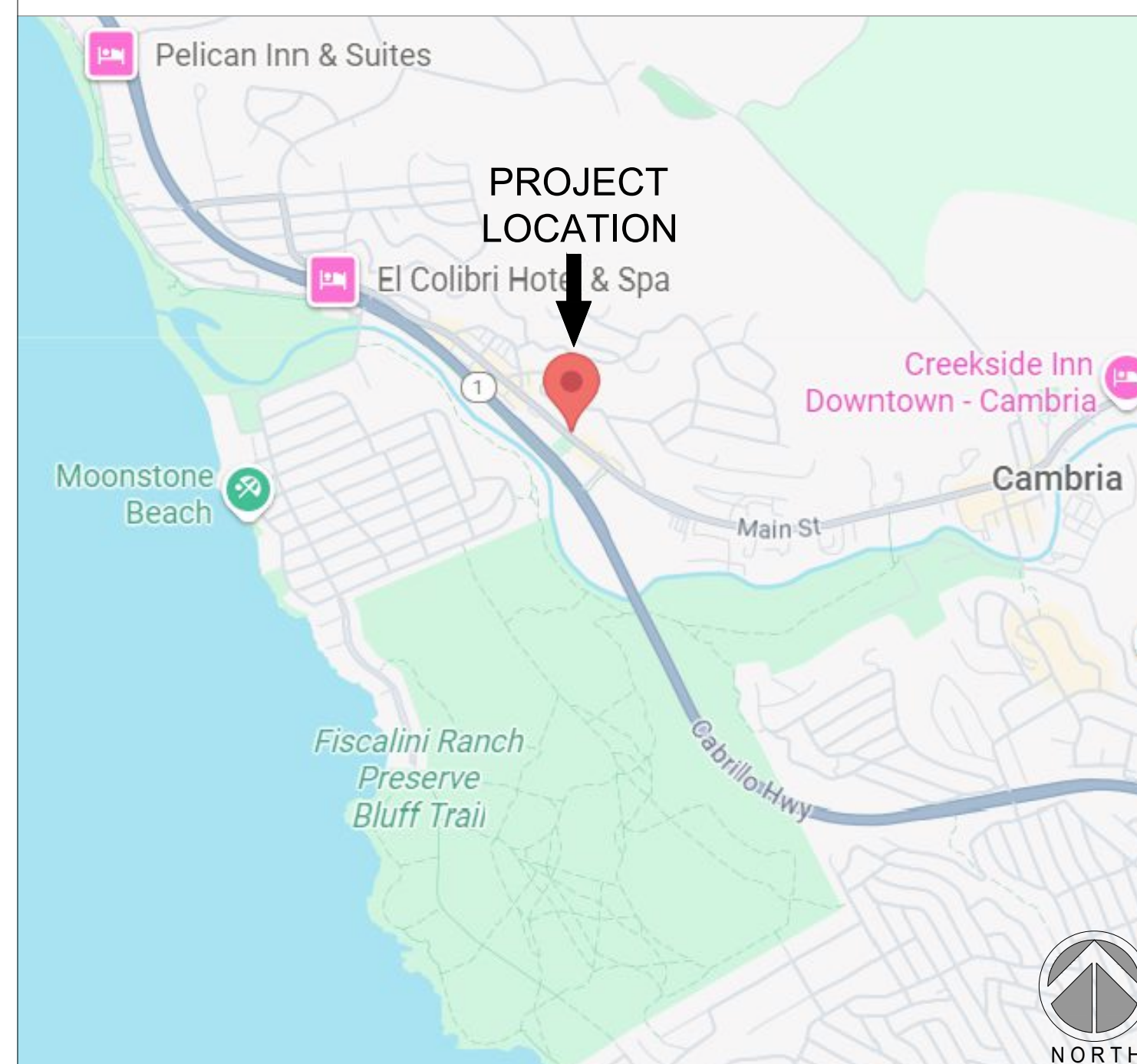
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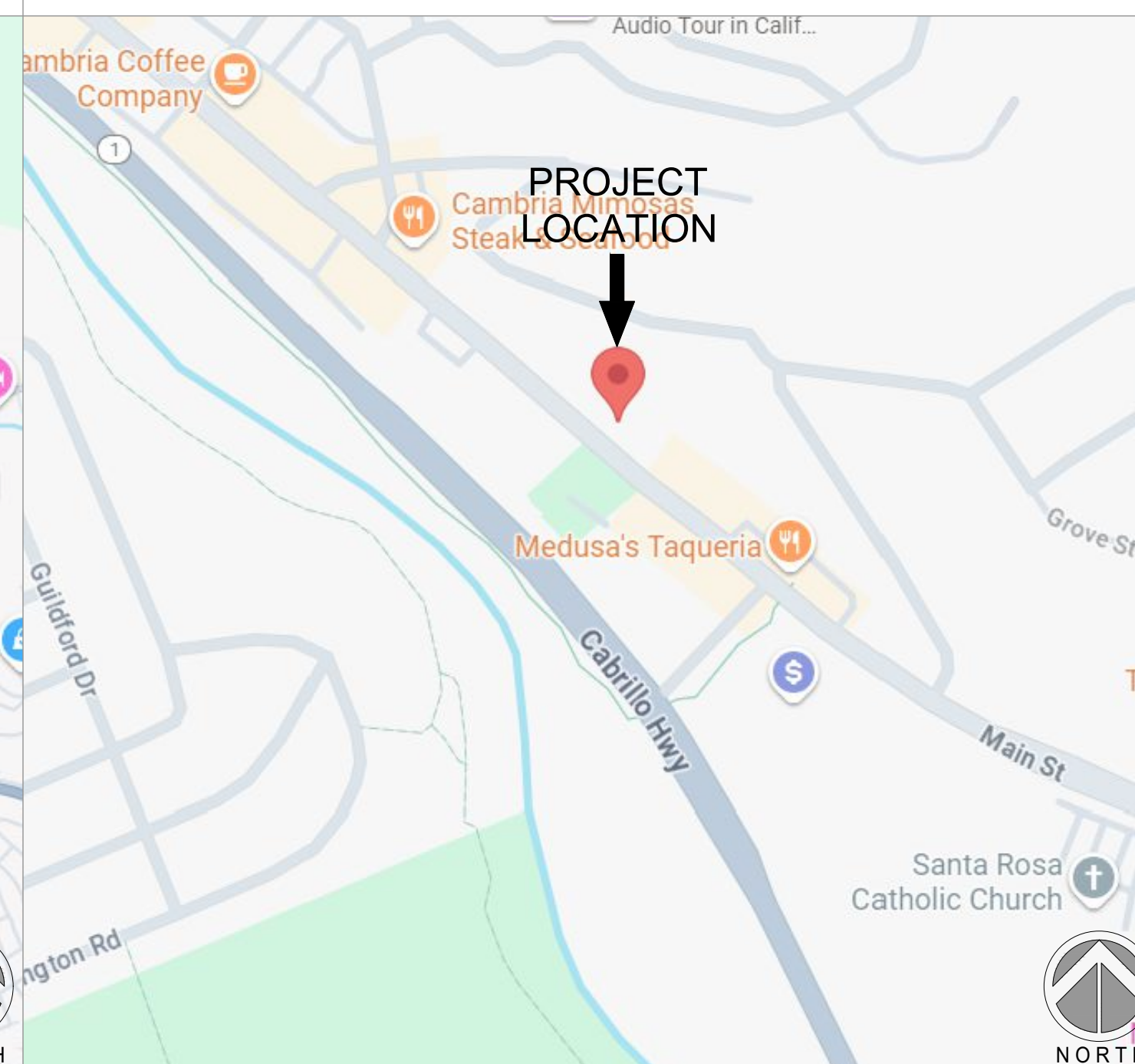
CITY OF CAMBRIA, CA

PLAN DATE IDENTIFIER
March 3, 2026
DATE OF LAST REVISIONS

VICINITY MAP



LOCATION MAP



PROJECT INFORMATION

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

SITE ADDRESS
975 MAIN STREET
CAMBRIA, CA 93428

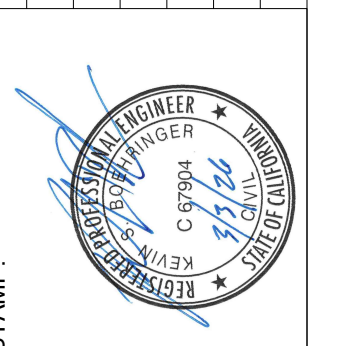
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NO	DATE	DESCRIPTION



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

PROJECT TITLE	SHEET TITLE
CAMBRIA, CA	TITLE SHEET

SHEET
SK1.0

GENERAL NOTES

DESIGN CRITERIA

- THESE GENERAL NOTES APPLY UNLESS NOTED OTHERWISE ON CONSTRUCTION DRAWINGS.
- COMPLY WITH CURRENT LOCAL BUILDING CODE EXCEPT AS NOTED HEREIN.
- 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):
 - MATERIAL EVALUATIONS TESTS FOR CONCRETE MIX, AGGREGATE BASE, SUBGRADE, AND STRUCTURAL FILL.
 - INSPECTION OF STRUCTURAL FILL PLACEMENT AND COMPACTION.
 - INSPECTION OF FINAL SUBGRADE.
 - 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

- 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 PROCEDURES, 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.
- 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.
- ANY RESUBMITTAL OF A DETAIL SHEET WITH CHANGED INFORMATION SHALL BE ACCOMPANIED BY LOCATION PLAN IDENTIFYING THE MEMBERS INVOLVED, AND CLOUDING AROUND CHANGED INFORMATION.
- ANY ENGINEERING SUBMITTED FOR REVIEW SHALL BE APPROPRIATELY SEALED. FULL RESPONSIBILITY OF SUCH ENGINEERING RESTS WITH THE PERSON SEALING THE DESIGN.

EARTHWORK

- ESTABLISH AND MAINTAIN REQUIRED LINES AND GRADE ELEVATIONS.
- 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.
- 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 PROCEDURE 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.
- 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).
- PROVIDE STRUCTURAL FILL AS REQUIRED TO MEET PROPOSED SUBGRADE ELEVATIONS IN ACCORDANCE WITH GRADING PLAN.
- 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.
- THE EARTH-WORK 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.
- 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.
 - 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.
 - 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.
 - PROCEED WITH CONCRETE ONLY AFTER NONCONFORMING CONDITIONS HAVE BEEN CORRECTED, SUBGRADE HAS BEEN INSPECTED, AND FORMWORK AND FIELD MOCK-UPS HAVE BEEN REVIEWED.
 - 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

- 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.
- USE FLEXIBLE OR CURVED FORMS AS REQUIRED TO PROVIDE VERTICAL AND HORIZONTAL RADII AS INDICATED IN THE DRAWINGS.
- 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.
- FORM-RELEASE AGENT: COMMERCIALY FORMULATED FORM-RELEASE AGENT THAT WILL NOT BOND WITH, STAIN, OR ADVERSELY AFFECT CONCRETE SURFACES AND WILL NOT IMPAIR SUBSEQUENT TREATMENTS OF CONCRETE SURFACES.
- EDGE FORMS AND SCREED CONSTRUCTION
 - 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.
 - CLEAN FORMS AFTER EACH USE AND COAT WITH FORM RELEASE AGENT TO ENSURE SEPARATION FROM CONCRETE WITHOUT DAMAGE.

REINFORCING

- 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.
- 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.
- SLIP DOWEL SLEEVES ARE ACCEPTABLE, SUCH AS SPEED DOWELS BY GREENSTREAK, INC., OR APPROVED EQUAL.
- BAR SUPPORTS: BOLSTERS, CHAIRS, SPACERS AND OTHER DEVICES FOR SPACING, SUPPORTING, AND FASTENING REINFORCEMENT'S BARS, AND DOWELS IN PLACE. MANUFACTURE BAR SUPPORTS ACCORDING TO CRSIS "MANUAL OF STANDARD PRACTICE" FROM STEEL WIRE PLASTIC, OR PRECAST CONCRETE OR FIBER-REINFORCED CONCRETE OF GREATER COMPRESSIVE STRENGTH THAN CONCRETE.
- ALL REINFORCING BARS TO BE DEFORMED. CLEAR CONCRETE COVERAGES TO ANY REINFORCING INCLUDING TIES ARE AS FOLLOWS:
 - 2" FORMED CONCRETE EXPOSED TO EARTH OR WEATHER.
 - 1" SLABS AND JOISTS NOT EXPOSED TO WEATHER.
 - 1-1/2" ALL OTHER.
- SMALLER CLEARANCES PERMISSIBLE FOR PRECAST OR PRESTRESSED.
- TENSION LAP SPLICES IN CONCRETE: UNLESS NOTED OTHERWISE, PROVIDE THE FOLLOWING:
 - #3, 9", #4, 12", 30X DIAMETER FOR TOP BARS
- 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

- PROVIDE MIX DESIGNS THAT WILL MEET THE MINIMUM REQUIREMENTS LISTED HEREIN:
 - MINIMUM 28-DAY STRENGTH: 4000 PSI
 - TYPE III/IV CEMENT - WHICHEVER IS AVAILABLE LOCALLY
 - SMALL TO MEDIUM AGGREGATE (1" MAX.)
 - WATER/CEMENT RATIO OF .45 OR LESS
 - 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.
 - AIR ENTRAINMENT NOT TO EXCEED 3%.
- DO NOT INSTALL CONCRETE WORK OVER SATURATED, MUDDY, OR FROZEN SUBGRADE.
- PROTECT ADJACENT WORK AND PROVIDE TEMPORARY BARRICADES AS REQUIRED FOR PROTECTION OF PROJECT WORK AND PUBLIC SAFETY.
- MECHANICALLY VIBRATE ALL CONCRETE FLATWORK WHEN PLACED, EXCEPT THAT SLABS ON GRADE AND SLABS ON DECK NEED TO BE VIBRATED ONLY AROUND EMBEDDED ITEMS.
- 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.
- 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.
- IN AN EFFORT TO CONTROL SHRINKAGE AND QUALITY, FLATWORK/FLOORS SHOULD BE PLACED IN SECTIONS OF 25 CY'S OR LESS.
- CONDUITS, PIPES, AND SLEEVES EMBEDDED IN CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF ACI 6.3.

CONCRETE PLACEMENT

- 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.
 - 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.
 - 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.
 - 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.
 - DO NOT USE FROZEN MATERIALS OR MATERIALS CONTAINING ICE OR SNOW.
 - DO NOT USE CALCIUM CHLORIDE, SALT, OR OTHER MATERIALS CONTAINING ANTIFREEZE AGENTS OR CHEMICAL ACCELERATORS, UNLESS OTHERWISE SPECIFIED AND APPROVED IN MIX DESIGNS.
- HOT-WEATHER PLACEMENT: PLACE CONCRETE ACCORDING TO RECOMMENDATION IN ACI 305R AND AS FOLLOWS WHEN HOT-WEATHER CONDITIONS EXIST:
 - 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.
 - FOG-SPRAY FORMS, REINFORCEMENT STEEL, AND SUBGRADE JUST BEFORE PLACING CONCRETE. KEEP SUBGRADE MOISTURE UNIFORM WITHOUT STANDING WATER, SOFT SPOTS, OR DRY AREAS.

- 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.**
 - ALL EDGE TOOLING SHOULD BE 1/8 INCH RADIUS UNLESS OTHERWISE SPECIFIED.
- 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

- 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.
- 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.
- BEGIN CURING AFTER FINISHING CONCRETE, BUT NOT BEFORE FREE WATER HAS DISAPPEARED FROM CONCRETE SURFACE.
- CURING METHODS: CURE CONCRETE BY CURING COMPOUND, MOISTURE CURING, MOISTURE-RETAINING-COVER CURING, OR A COMBINATION OF THESE AS FOLLOWS:
 - 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.
 - 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.
 - 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

- ABSORPTIVE COVER: AASHTO M 182, CLASS 2. BURLAP CLOTH MADE FROM JUTE OR KENAF, WEIGHING APPROXIMATELY 90Z/SQ. YD. DRY.
- MOISTURE-RETAINING COVER: ASTM C 171, POLYETHYLENE FILM OR WHITE BURLAP-POLYETHYLENE SHEET (BUR LENE).
- WATER: POTABLE.
- 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

- 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.
- 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).
- 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)
- 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

- GENERAL: CONSTRUCT CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS AND TOOL EDGINGS TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE.
- 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.

- EXPANSION JOINTS: FORM EXPANSION JOINTS WITH SPECIFIED JOINT-FILLER STRIPS WHERE INDICATED. EXTEND JOINT FILLERS FULL WIDTH AND DEPTH OF JOINT.
- 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.
- 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:
 - 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, ABRABE, 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.
 - 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.
 - IF SKATEPARK PROJECT DESIGN UTILIZES POURED STEPS, CONTROL JOINTS MUST BE CUT 3 - 4 FEET FROM THE EDGE OF THE TOP STEP.
- POST CURE DETAIL WORK (AS NEEDED): GRIND SMOOTH ANY INCONSISTENCIES IN THE FINISH OR HIGH SPOTS BETWEEN POURS.

METALS

- 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.
- 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.
- 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.
- 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.
- WELD CONNECTIONS WHICH ARE NOT TO BE LEFT AS EXPOSED JOINTS, BUT CANNOT BE SHOP WELDED BECAUSE OF SHIPPING SIZE LIMITATIONS.
- 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.
- BEND PIPE OR TUBING WITHOUT COLLAPSING OR DEFORMING THE WALLS, SO AS TO PRODUCE A SMOOTH UNIFORM CURVED SECTION AND MAINTAIN UNIFORM SECTIONAL SHAPE.
- WHERE ITEMS ARE TO BE IMBEDDED IN CONCRETE OR MASONRY, PROVIDE WELDED-ON ANCHORS OR LUGS AS INDICATED OR REQUIRED.
- PROVIDE TEMPORARY BRACING OR ANCHORS IN FORMWORK FOR ITEMS WHICH ARE TO BE BUILT INTO CONCRETE OR SIMILAR CONSTRUCTION.
- 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.
- 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.
- 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.
- ASTM A-36 FOR C, MC, ANGLES, AND PLATES.
- ASTM A-53 GRADE B OR A-500 GRADE B OR A-501 GRADE B FOR STEEL PIPES.
- ASTM A-123 STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS
- ASTM A-780 STANDARD PRACTICE FOR REPAIR OF DAMAGED

AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS.

SUPPLEMENTARY NOTES

- 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.
- 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.
- 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.
- 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. WHEN 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 USED ON THE DOCUMENTS, THE LARGEST SIMILAR MEMBER USED IN THE PROJECT SHALL BE UTILIZED.
- 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.
- 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.
- *SKATE FEATURE DESIGN AND LAYOUT ARE THE RESPONSIBILITY OF THE SKATEPARK DESIGNER.**

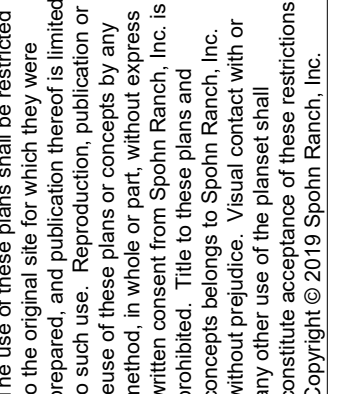
PAVEMENT TOLERANCES

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

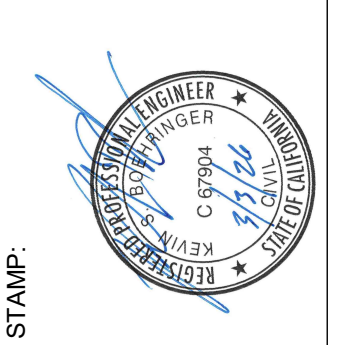
REPAIRS AND PROTECTION

- 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.
- 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.
- MAINTAIN CONCRETE PAVEMENT OF FREE STAINS, DISCOLORATION, DIRT, AND OTHER FOREIGN MATERIAL.

SPOHN RANCH SKATE PARKS



DESIGN. BUILD. COME TOGETHER.
6824 S. CENTINELA AVE. - LOS ANGELES, CA 90020
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NO	DATE	REVISIONS
1		DESCRIPTION
2		
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4		
5		
6		
7		

PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
SPECIFICATIONS

SKATE PARK DESIGNED BY (STAMP):
CW
DOCUMENTS BY AL, CR
PLAN CHECKED BY DH, MB
DATE 3/9/2026

SHEET
SK2.0

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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 FLOOR LEVELNESS 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 III/III 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 RADI/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 COOLD 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 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, OVER LAP 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 90Z./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 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 NOT 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 NOT 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 MINIMUM, 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
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.

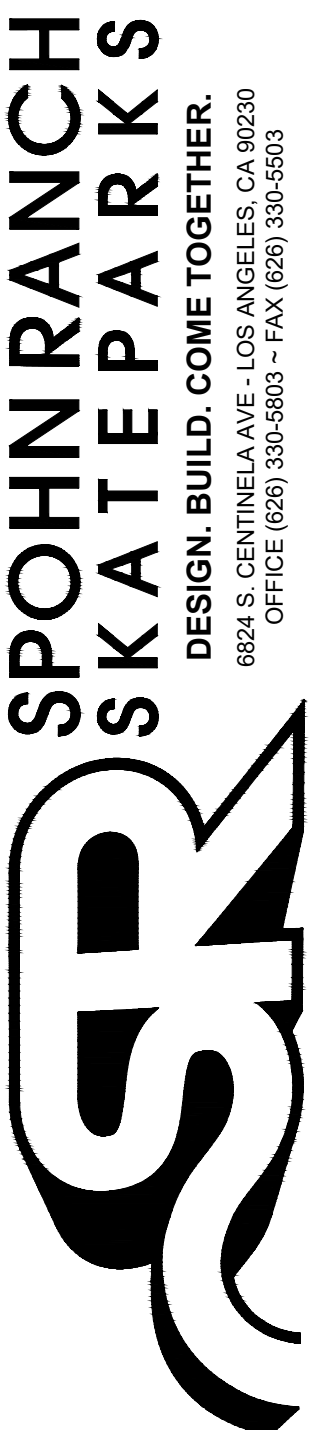
2.7 REPAIRS AND PROTECTION
A. REMOVE AND REPLACE PRECAST CONCRETE SKATE ELEMENTS THAT ARE BROKEN, DAMAGED, DEFECTIVE, OR DO NOT MEET THE REQUIREMENTS OF THIS SECTION OR CONFORMANCE WITH ASTM F 2480 - STANDARD GUIDE FOR IN-GROUND SKATE PARKS.
B. PROTECT PRECAST CONCRETE SKATE ELEMENTS FROM DAMAGE UNTIL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

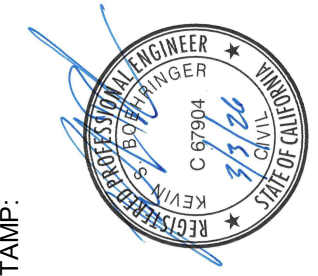
3.1 DELIVERY, STORAGE, AND HANDLING
A. COORDINATE WITH WORK OF CAST-IN-PLACE CONCRETE SECTION.
B. PRECAST CONCRETE SKATE ELEMENTS ARE TO BE STORED AT MANUFACTURERS FACILITY, ABOVE GROUND ON SKIDS OR OTHER SUPPORTS, UNTIL SITE IS READY FOR THEIR INSTALLATION.
C. PRECAST CONCRETE SKATE ELEMENTS CAN BE 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 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 IMPROPER WORKMANSHIP DURING THE FIRST YEAR FOLLOWING INSTALLATION, WE WILL FIX IT FOR FREE.



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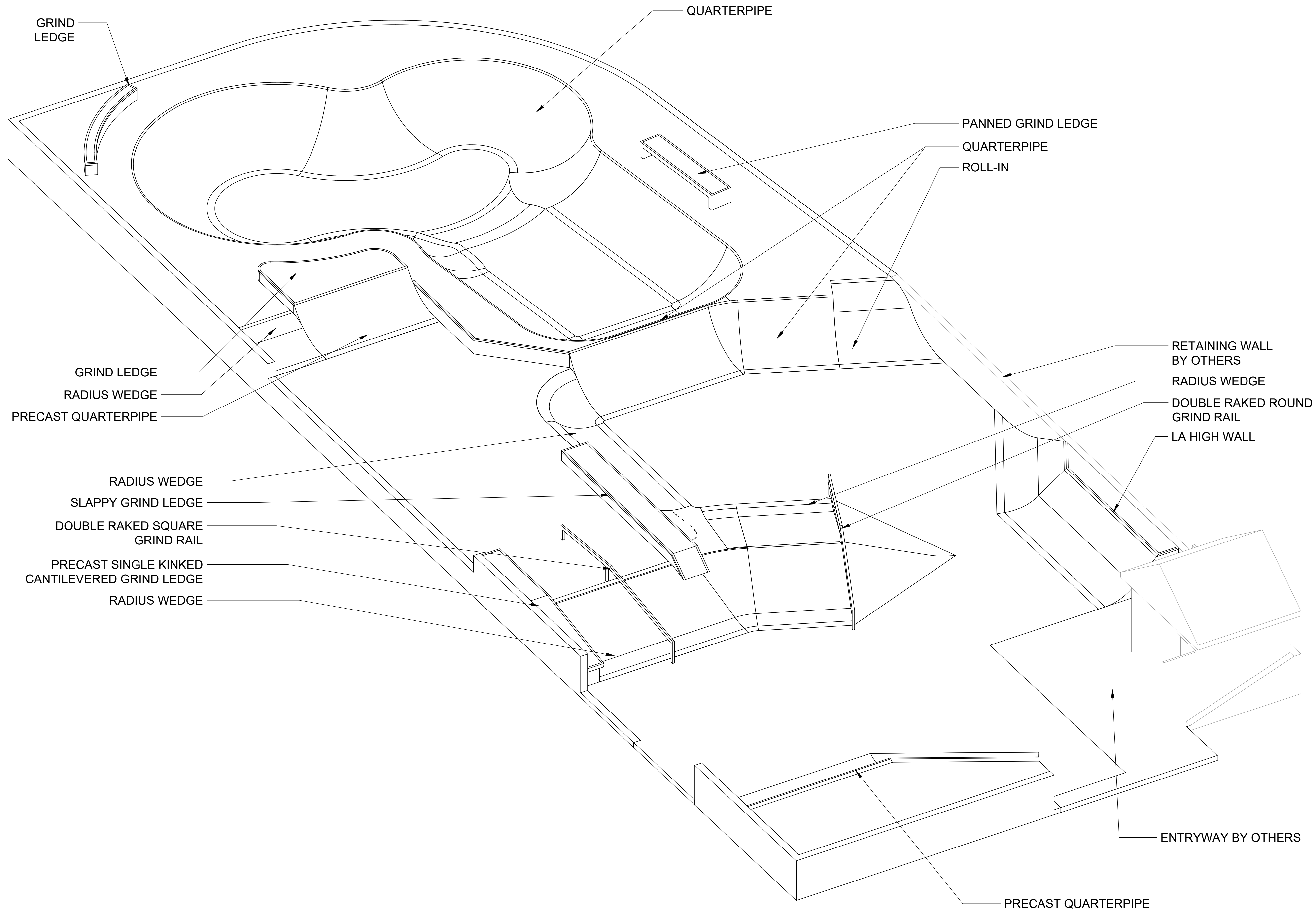


SKATE PARK DESIGNED BY	CW	DATE
DOCUMENTS BY <td>AL, CR<td>3/9/2026</td></td>	AL, CR <td>3/9/2026</td>	3/9/2026
PLAN CHECKED BY <td>DH, MB<td></td></td>	DH, MB <td></td>	

PROJECT TITLE
CAMBRIA, CA
SHEET TITLE
SPECIFICATIONS

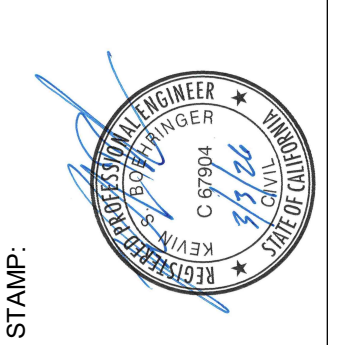
SHEET
SK2.1
3 OF 17





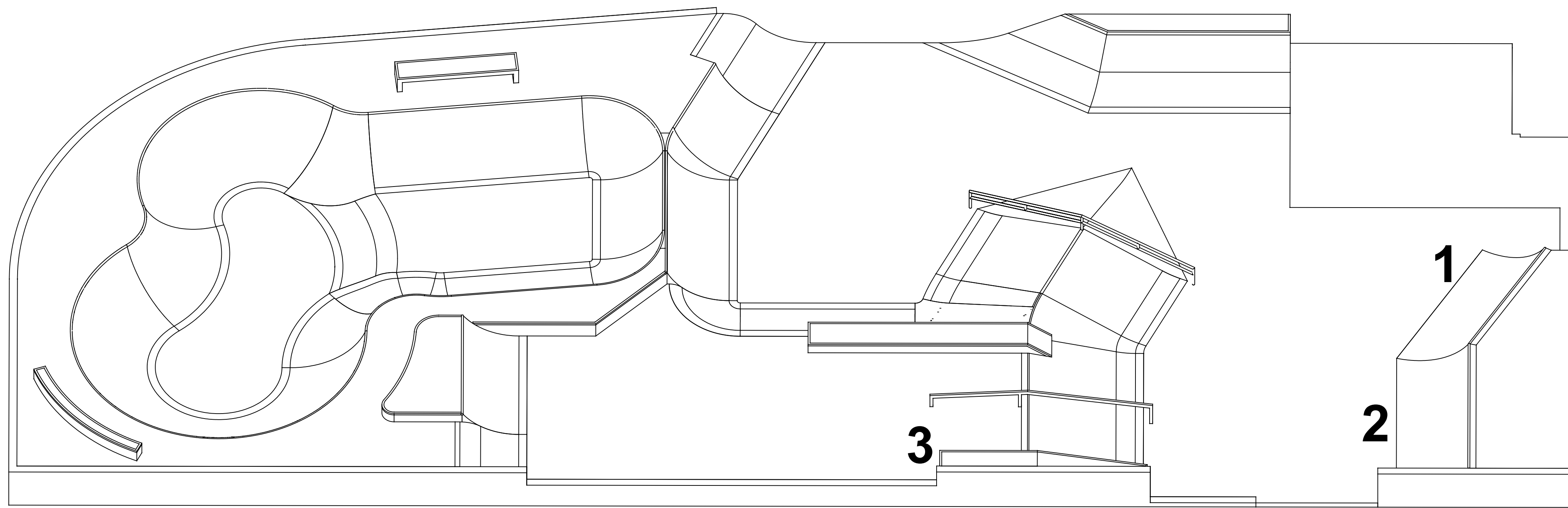
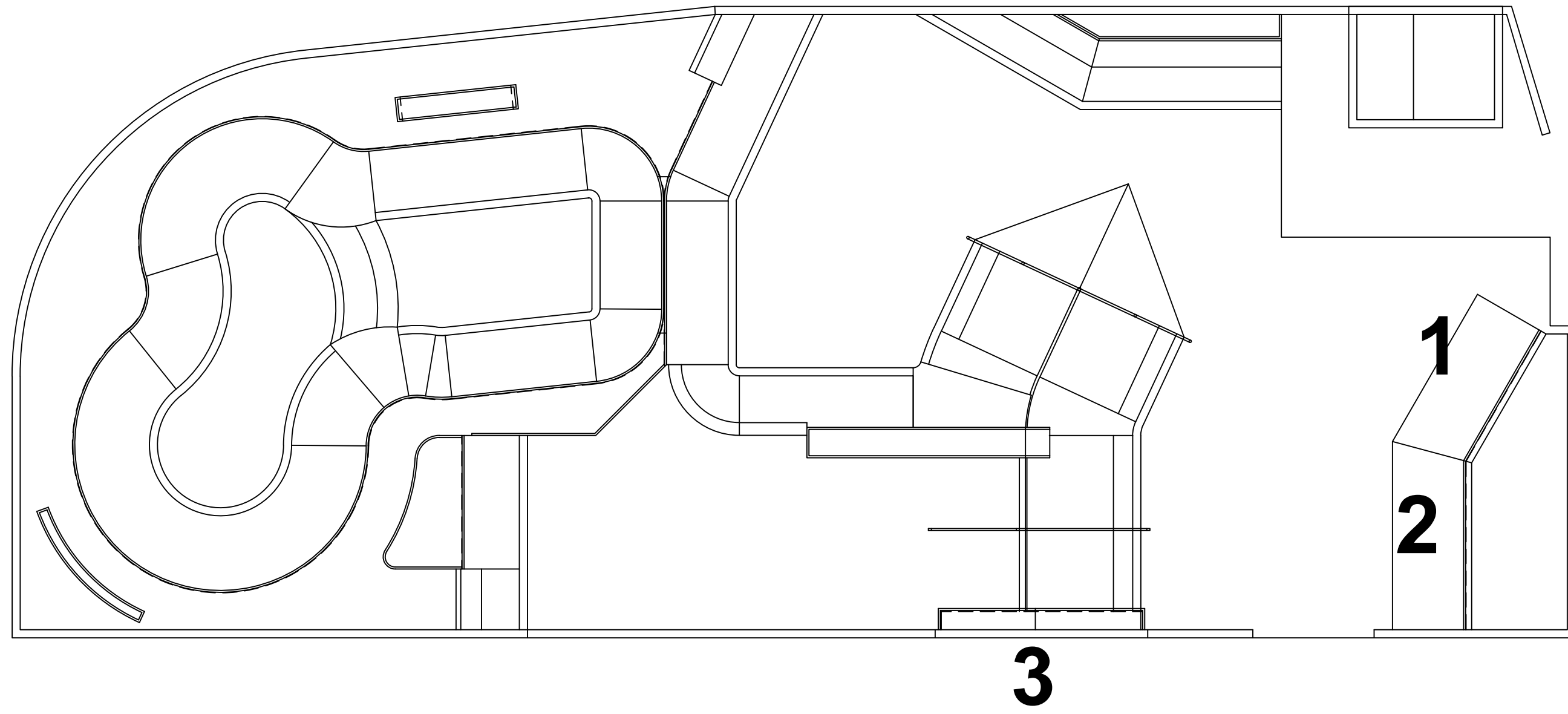
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PLAN CHECKED BY	DH, MB
DATE	3/3/2026

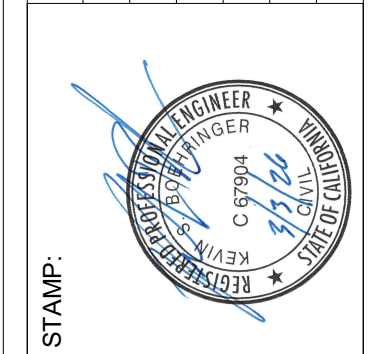
PROJECT TITLE	CAMBRIA, CA
SHEET TITLE	3D PERSPECTIVE



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

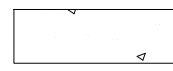
PLAN CHECKED BY	DATE
DH, MB	3/3/2026

SHEET
SK4.0

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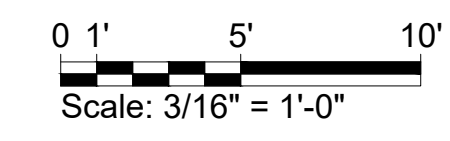
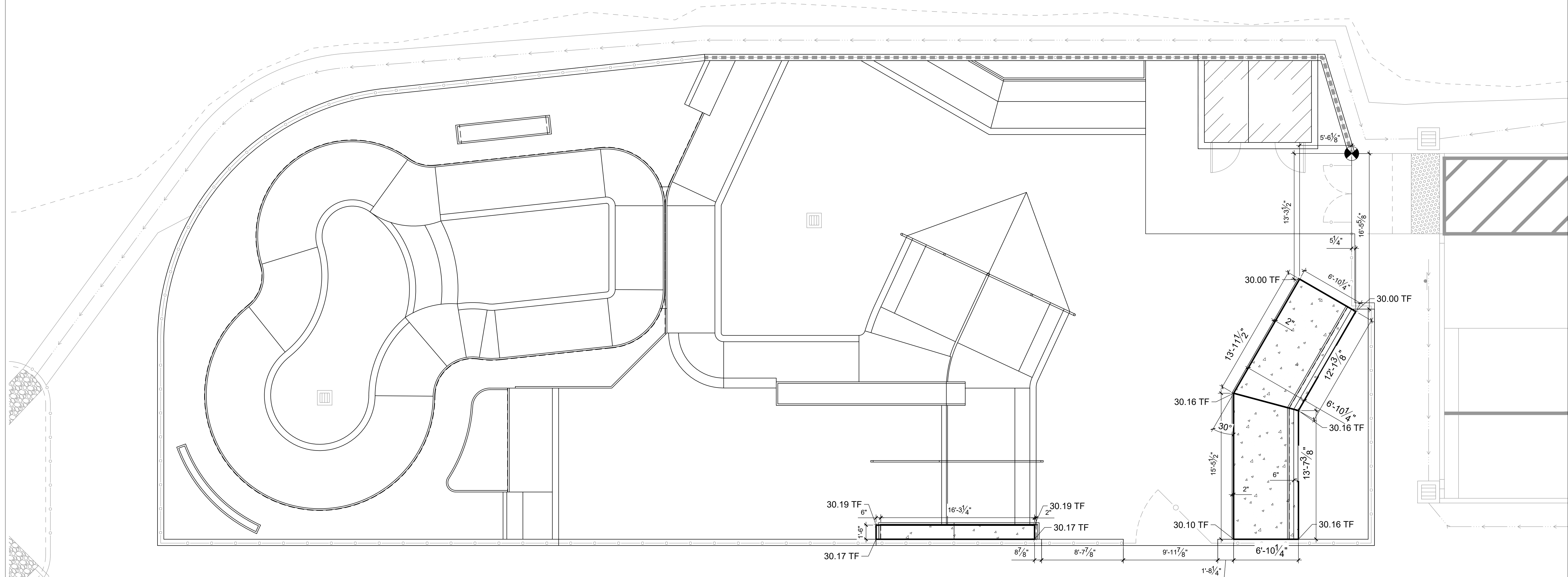
FOOTING SCHEDULE


2025-12-18 11:40

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





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PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
PC FOOTING PLAN

SKATE PARK DESIGNED BY STAMP:
CIVIL ENGINEER
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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:

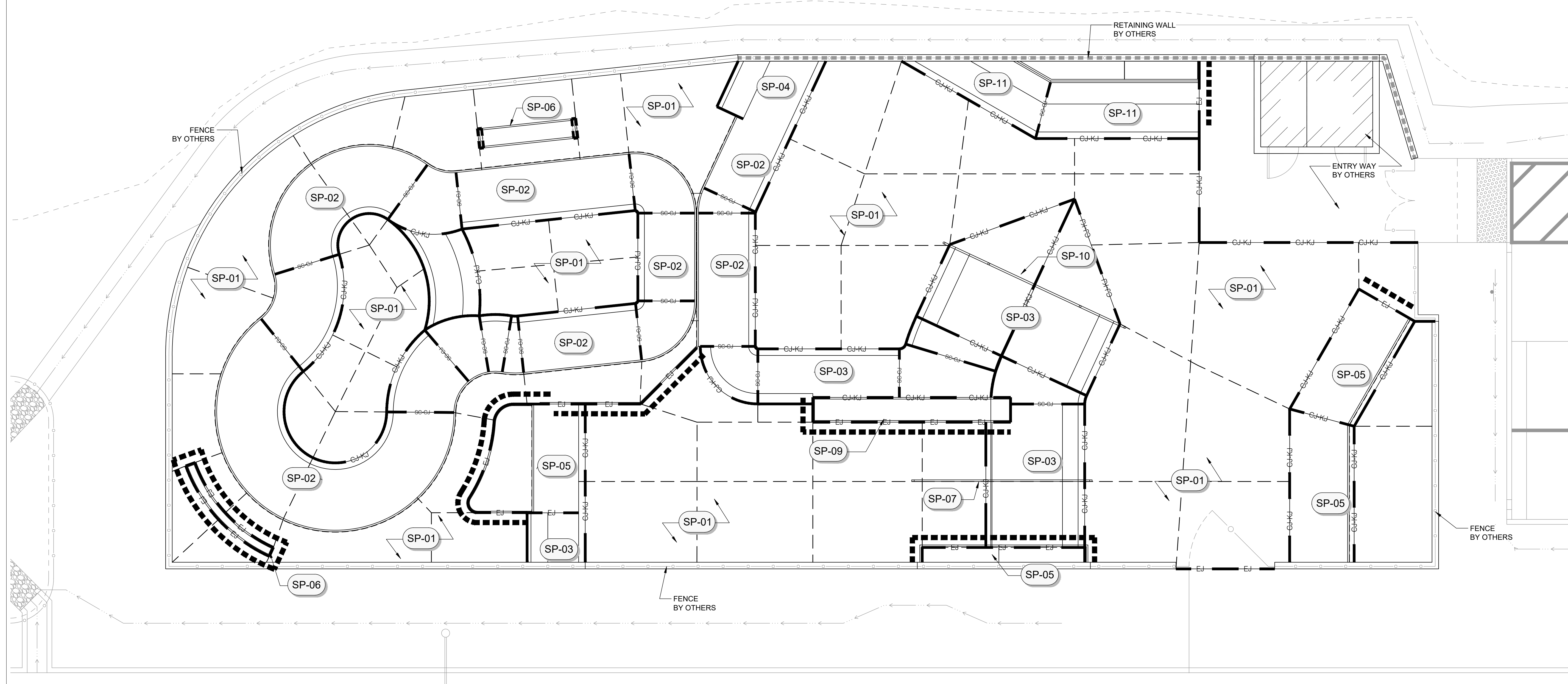
1. SEE SHEET SK5.0 FOR COLOR PLAN.
2. THE SLAB CONFIGURATION, NOTES, LOCATION OF EXPANSION JOINTS, COLD JOINTS, SAW CUTS, DETAIL REFERENCES, AND APPLICABLE DETAILS HAVE BEEN INCLUDED FOR CLARITY. JOINTS AND DETAILS SHOWN ARE FOR THE SKATEPARK ONLY. REFER TO THE LANDSCAPE PLANS FOR SCOPES BEYOND THE SKATEPARK.
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	6/SK11.0
H-02	COLD JOINT OR KEY JOINT	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	

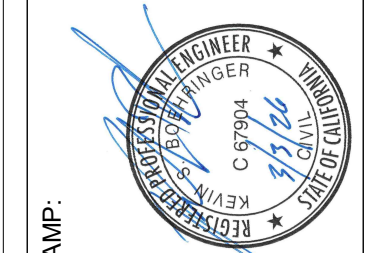


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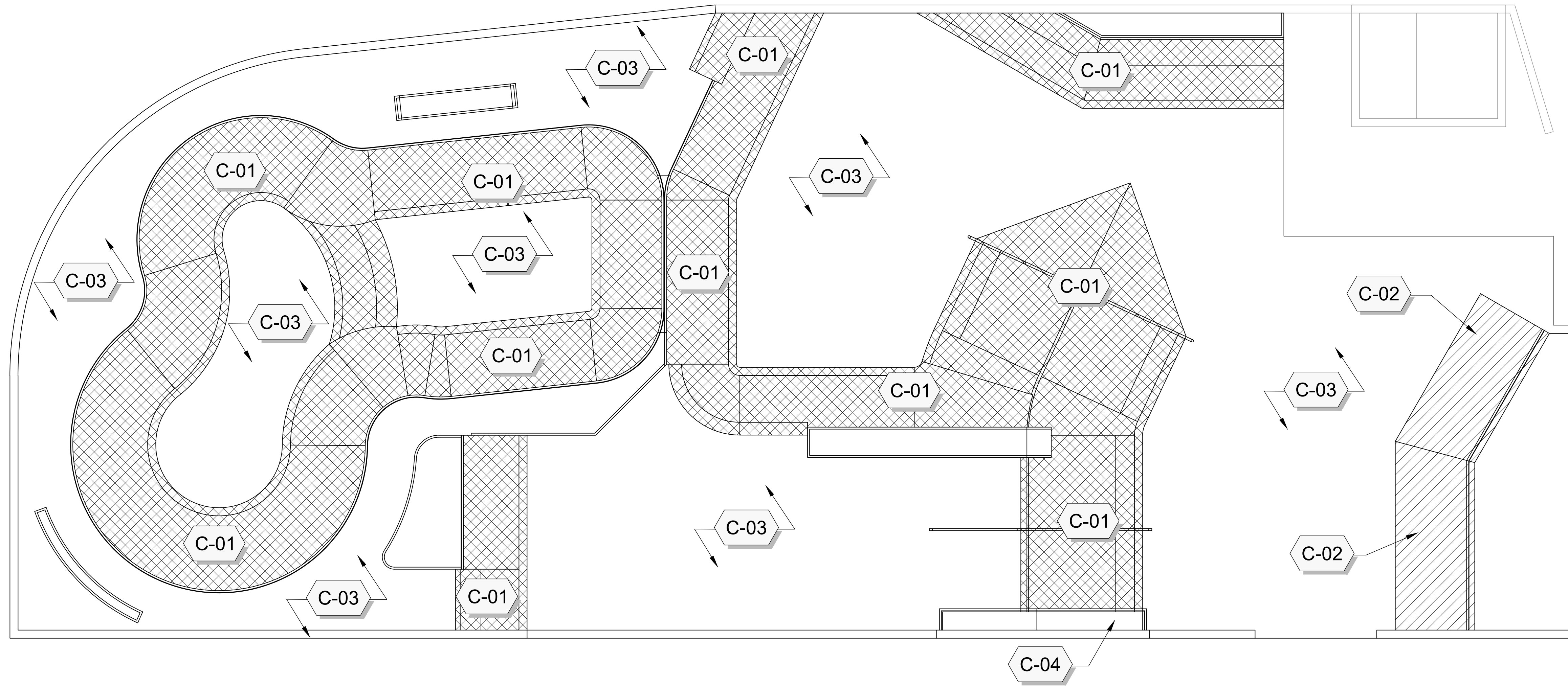
CW	AL	OR
DOCUMENTS BY	PLAN CHECKED BY	DATE
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PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
INFORMATION PLAN

SHEET
SK5.0

8 OF 17



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.

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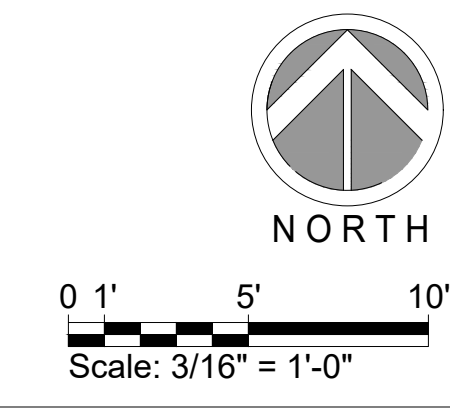
NO	DATE	REVISIONS DESCRIPTION



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DOCUMENTS BY	AL, CR
PLAN CHECKED BY	DH, MB
DATE	3/3/2026

PROJECT TITLE
CAMBRIA, CA
 SHEET TITLE
COLOR PLAN

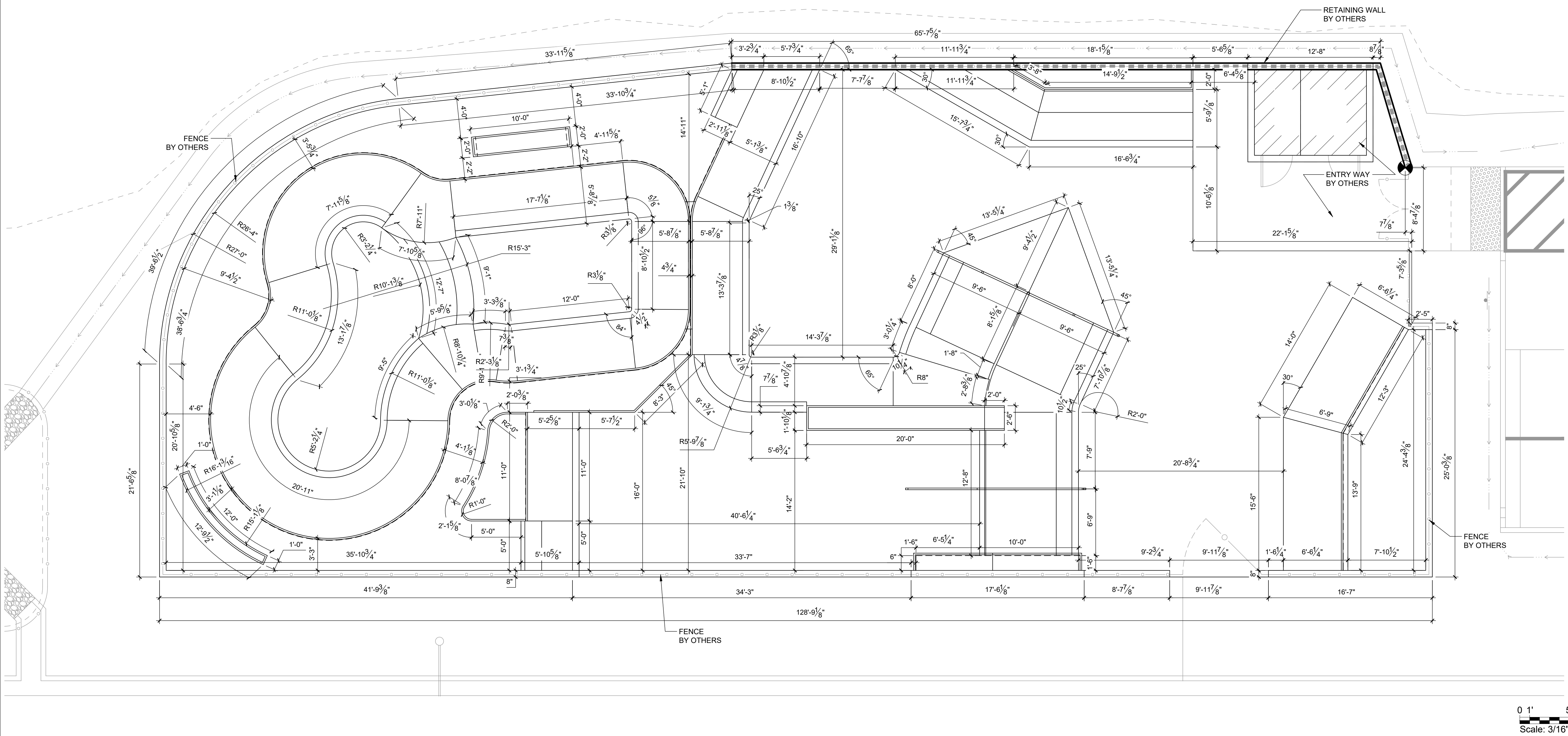
SHEET
SK6.0
 9 OF 17



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.

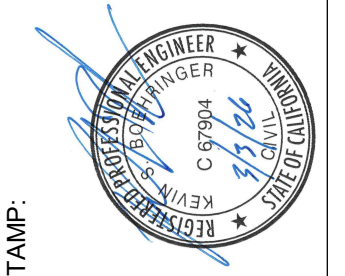
****ALL COLD JOINTS AT THE BOTTOM OF ALL RADIUS TRANSITIONS & RADIUS BANKS SHALL BE LOCATED 8" MAX. FROM THE POINT OF TANGENCY. SEE TYPICAL DETAILS FOR CLARIFICATION.**



SPOHN RANCH SKATE PARKS
 DESIGN. BUILD. COME TOGETHER.
 6824 S. CENTINELA AVE. - LOS ANGELES, CA 90029
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NO	DATE	DESCRIPTION



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DH, MB	
DATE	3/3/2026

PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
LAYOUT PLAN

SHEET
SK7.0

10 OF 17

GRADING SCHEDULE

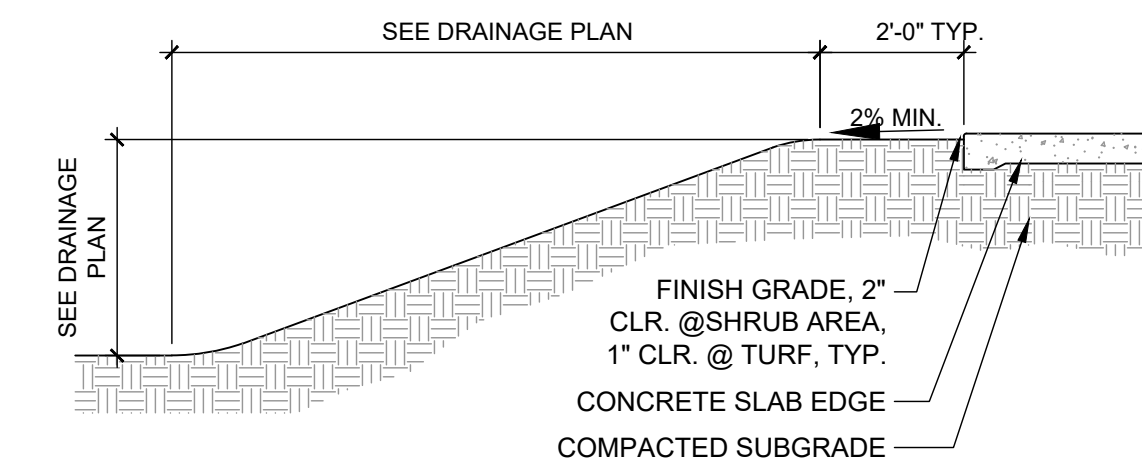
CODE	DESCRIPTION	QTY	DETAIL
L-01	AREA DRAIN	2	5/SK11.0

GRADING NOTES:

- ALL GRADING SHALL BE IN ACCORDANCE WITH THE LOCAL GRADING CODE AND ANY SPECIAL REQUIREMENTS OF THE GRADING PERMIT.
- CONTRACTOR TO VERIFY GRADES AND NOTIFY OWNER'S CONSTRUCTION ADMINISTRATOR PRIOR TO START OF GRADING WORK.
- 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.
- ALL PAVED AREAS SHALL SLOPE AS SHOWN ON PLANS WITH A 2% MAXIMUM FALL. PLANTED AREAS SHALL HAVE A MINIMUM 2% FALL.
- FINISH GRADE SHALL HAVE A UNIFORM SURFACE, FREE OF LUMPS, BUMPS AND DEPRESSIONS AND ANY OBJECTS THAT MAY PREVENT A POSITIVE FLOW TO DRAIN.
- ALL PROPOSED PAVING SURFACES SHALL MEET EXISTING PAVING SURFACES WITH SMOOTH AND CONTINUOUS TRANSITIONS AND FLUSH ALONG ENTIRE EDGE.
- CONCRETE WALKS TO HAVE A MAXIMUM CROSS SLOPE OF 2% AND SHALL MEET ALL CITY AND COUNTY REQUIREMENTS.
- 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.
- 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.
- ALL CONSTRUCTION AREAS SHALL BE FREE OF ROCK, DEBRIS, ETC. ALL EXISTING WEEDS SHALL BE REMOVED.
- 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
- XXX EXISTING ELEVATION (VERIFY IN FIELD)

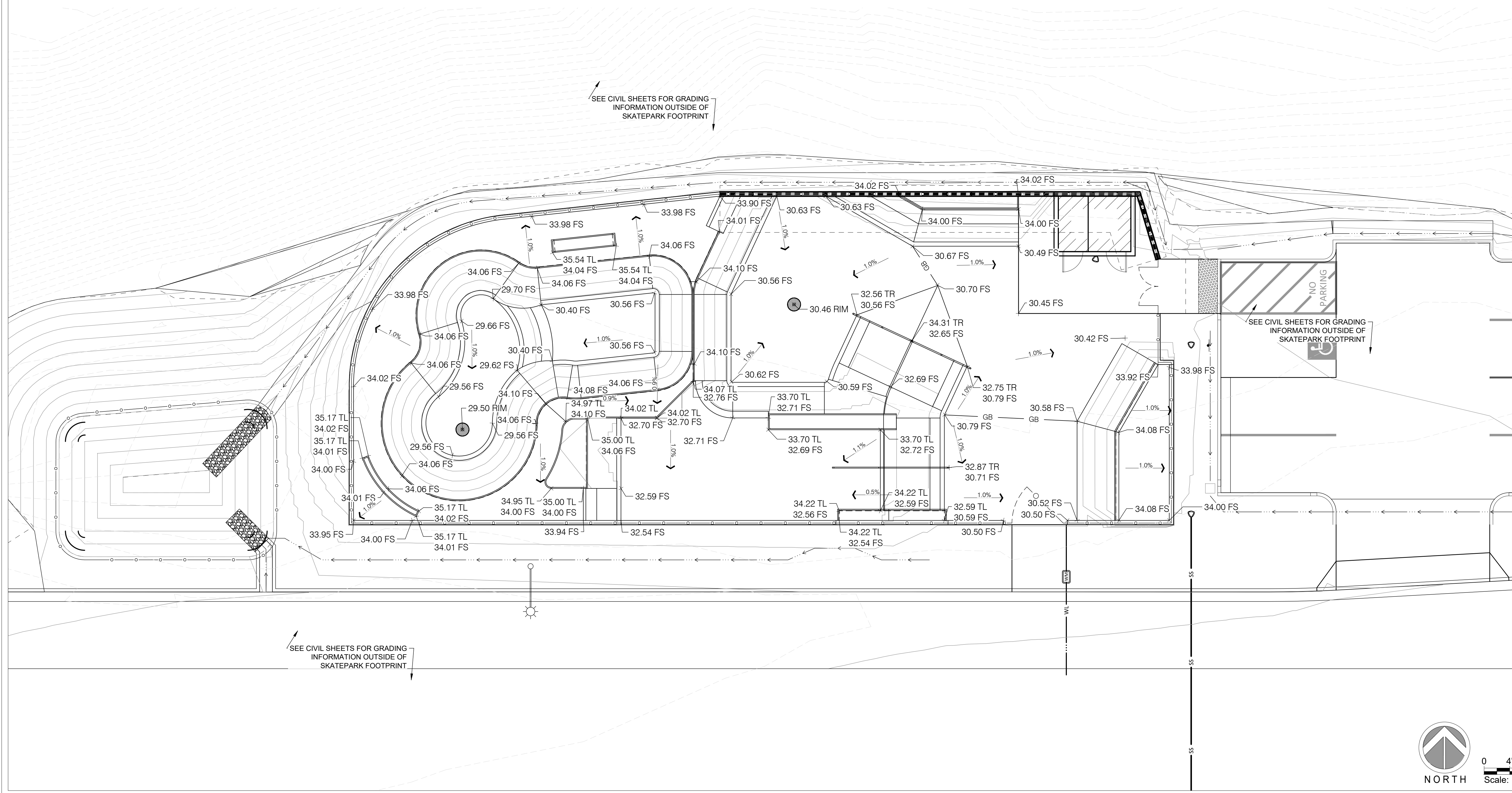


NOTES
1. TYPICAL SLOPE DETAIL FOR INFORMATIONAL PURPOSES ONLY. ALL SLOPE GRADING AND DRAINAGE SHALL CONFORM TO APPROVED GRADING PLAN.

TYPICAL SLOPE FACTORS

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

1 TYPICAL SLOPE DETAIL
3/4" = 1'-0" P-HYB-CAM-12



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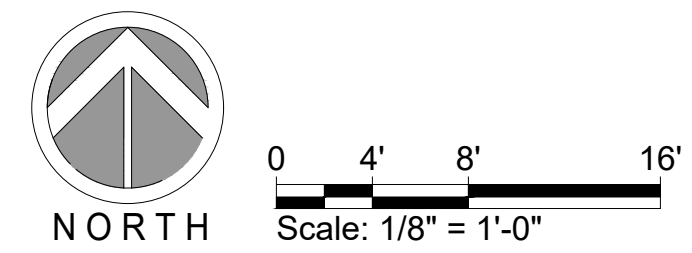
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NO	DATE	DESCRIPTION

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 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
 11 OF 17



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GRADING SCHEDULE

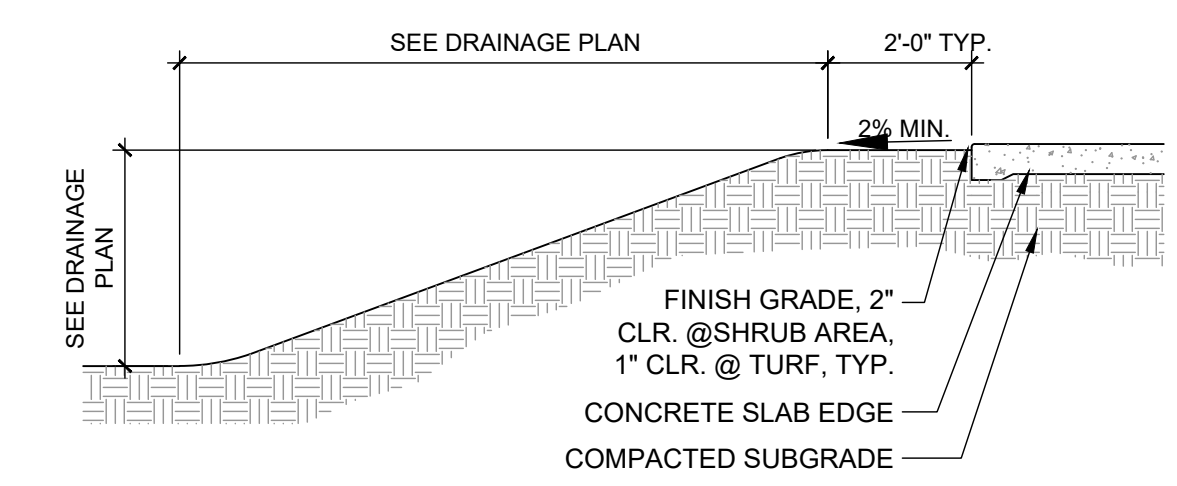
CODE	DESCRIPTION	QTY	DETAIL
L-01	AREA DRAIN	2	5/SK11.0

GRADING NOTES

- ALL GRADING SHALL BE IN ACCORDANCE WITH THE LOCAL GRADING CODE AND ANY SPECIAL REQUIREMENTS OF THE GRADING PERMIT.
- CONTRACTOR TO VERIFY GRADES AND NOTIFY OWNER'S CONSTRUCTION ADMINISTRATOR PRIOR TO START OF GRADING WORK.
- 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.
- ALL PAVED AREAS SHALL SLOPE AS SHOWN ON PLANS WITH A 2% MAXIMUM FALL. PLANTED AREAS SHALL HAVE A MINIMUM 2% FALL.
- FINISH GRADE SHALL HAVE A UNIFORM SURFACE, FREE OF LUMPS, BUMPS AND DEPRESSIONS AND ANY OBJECTS THAT MAY PREVENT A POSITIVE FLOW TO DRAIN.
- ALL PROPOSED PAVING SURFACES SHALL MEET EXISTING PAVING SURFACES WITH SMOOTH AND CONTINUOUS TRANSITIONS AND FLUSH ALONG ENTIRE EDGE.
- CONCRETE WALKS TO HAVE A MAXIMUM CROSS SLOPE OF 2% AND SHALL MEET ALL CITY AND COUNTY REQUIREMENTS.
- 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.
- 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.
- ALL CONSTRUCTION AREAS SHALL BE FREE OF ROCK, DEBRIS, ETC. ALL EXISTING WEEDS SHALL BE REMOVED.
- 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
- XXX.XX EXISTING ELEVATION (VERIFY IN FIELD)



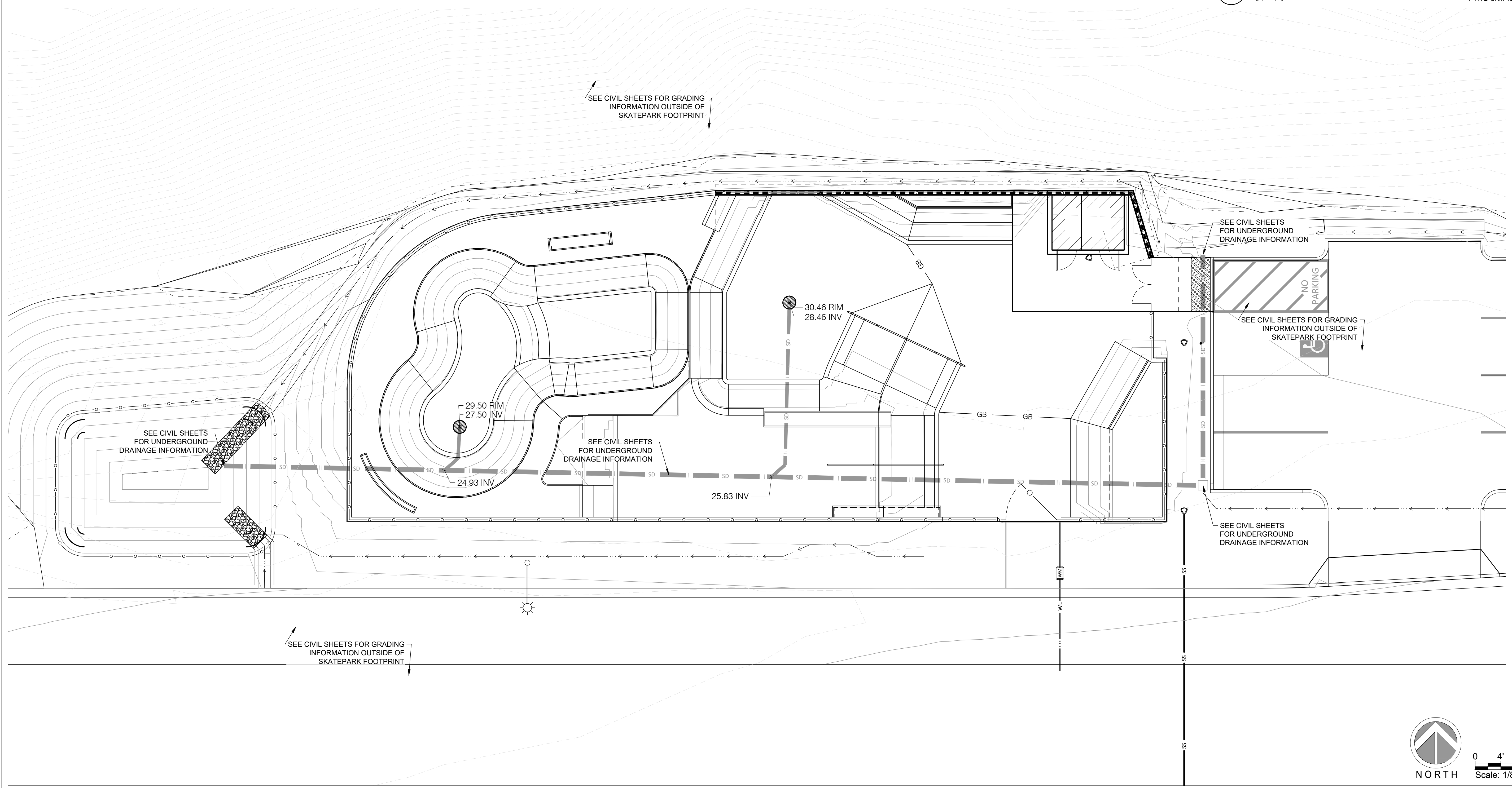
NOTES
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TYPICAL SLOPE FACTORS

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

1 TYPICAL SLOPE DETAIL
3/4" = 1'-0"

P-HYB-CAM-12



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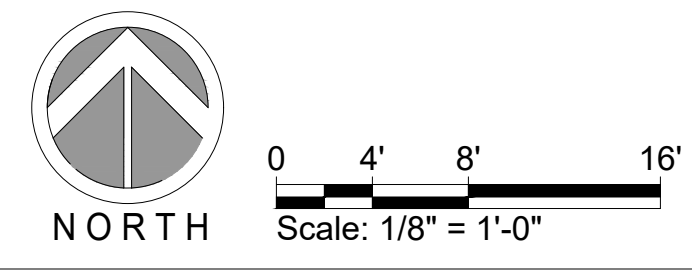
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PROJECT TITLE: **CAMBRIA, CA**
 SHEET TITLE: **UNDERGROUND DRAINAGE PLAN**
 SHEET: **SK8.1**
 12 OF 17

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DOCUMENTS BY	DATE
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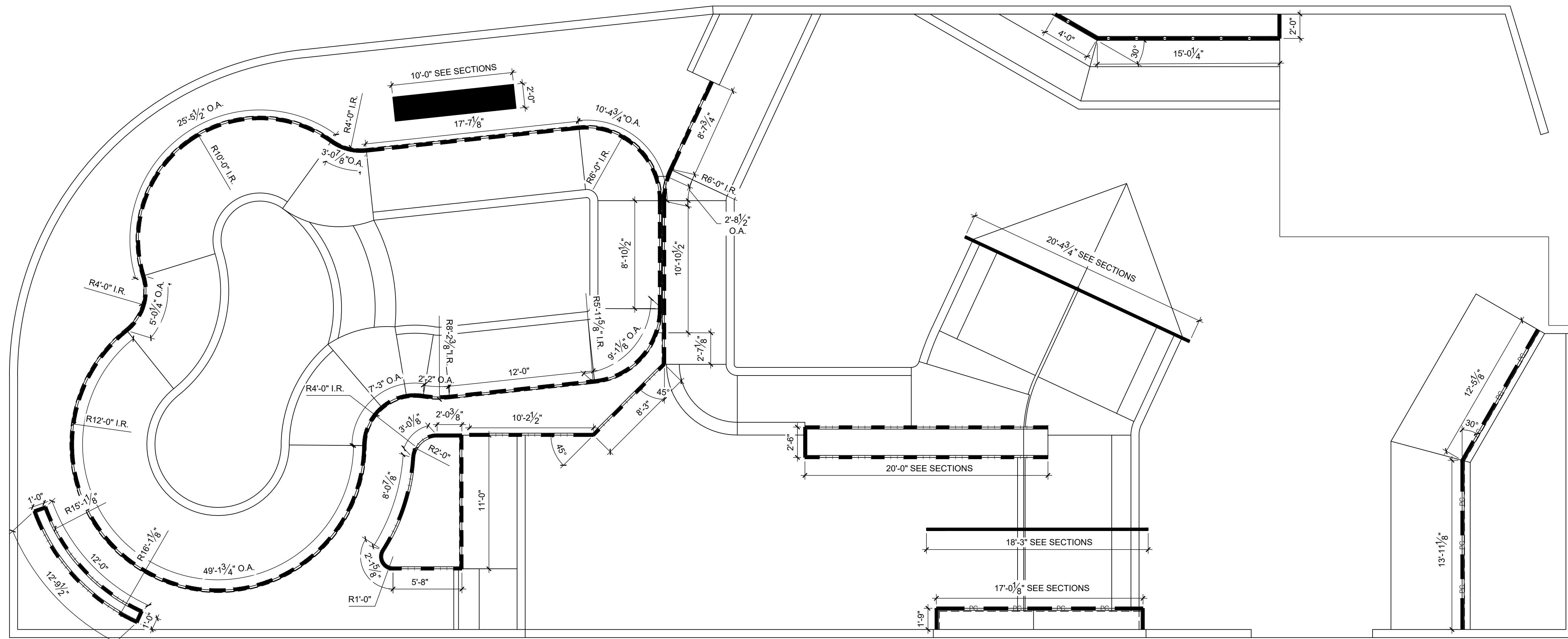
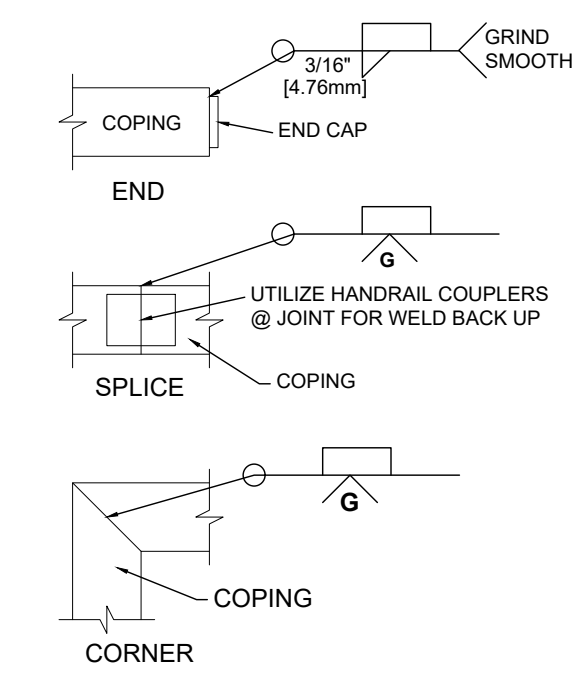
STEEL SCHEDULE

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	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 PC		POWDER COAT RAL #9017
S-06	STEEL PANNED ELEMENT		POWDER COAT RAL #9017

STEEL NOTES :

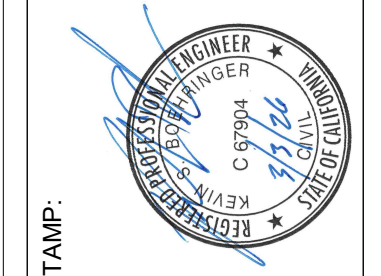
1. STEEL FINISH TO BE HOT DIPPED GALVANIZED OR POWDER COATED RAL #9017 (TRAFFIC BLACK) AS INDICATED IN LEGEND FINISH.
2. FINISH MUST OCCUR AFTER ALL WELDING IS COMPLETE.
3. CAP ALL EXPOSED TUBE OR PIPE ENDS AND ROUND ALL SHARP EDGES.
4. ALL WELDS TO BE ALL AROUND.
5. GRIND ALL WELDS SMOOTH BEFORE FINISHING.
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



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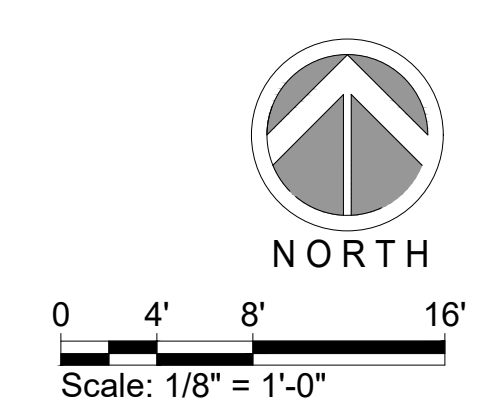
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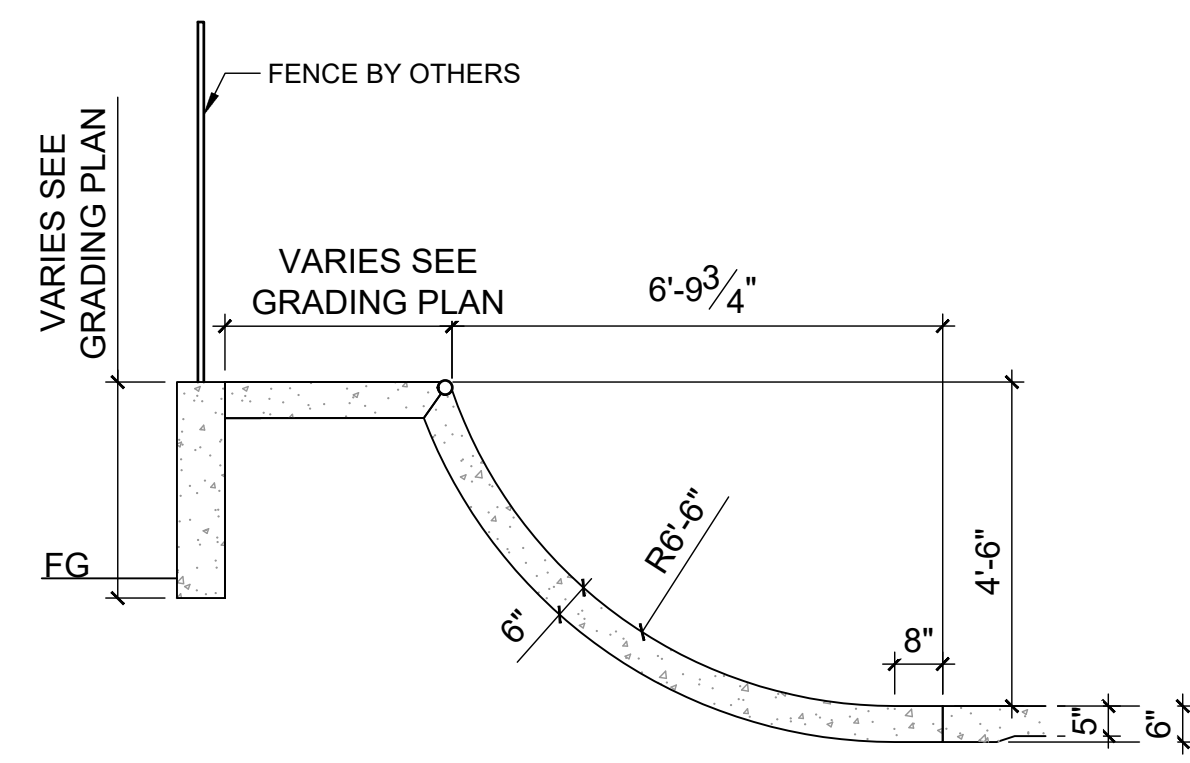
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DOCUMENTS BY	
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PLAN CHECKED BY	
DH, MB	
DATE	3/3/2026

PROJECT TITLE
CAMBRIA, CA

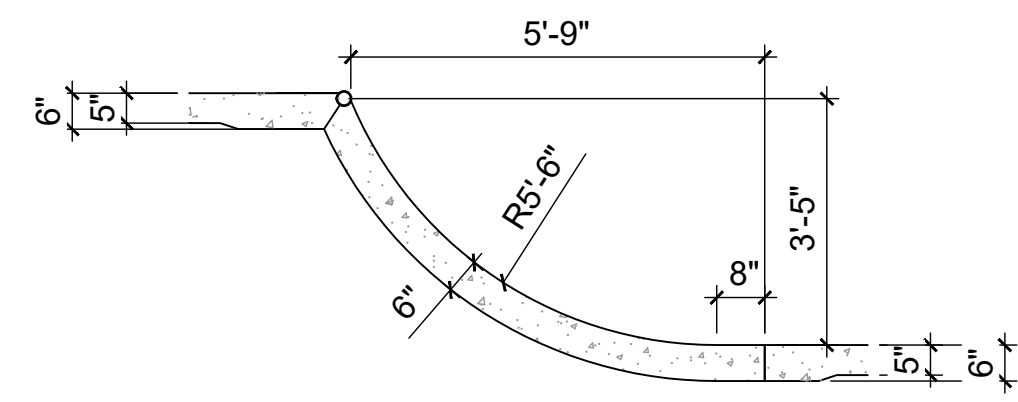
SHEET TITLE
STEEL PLAN



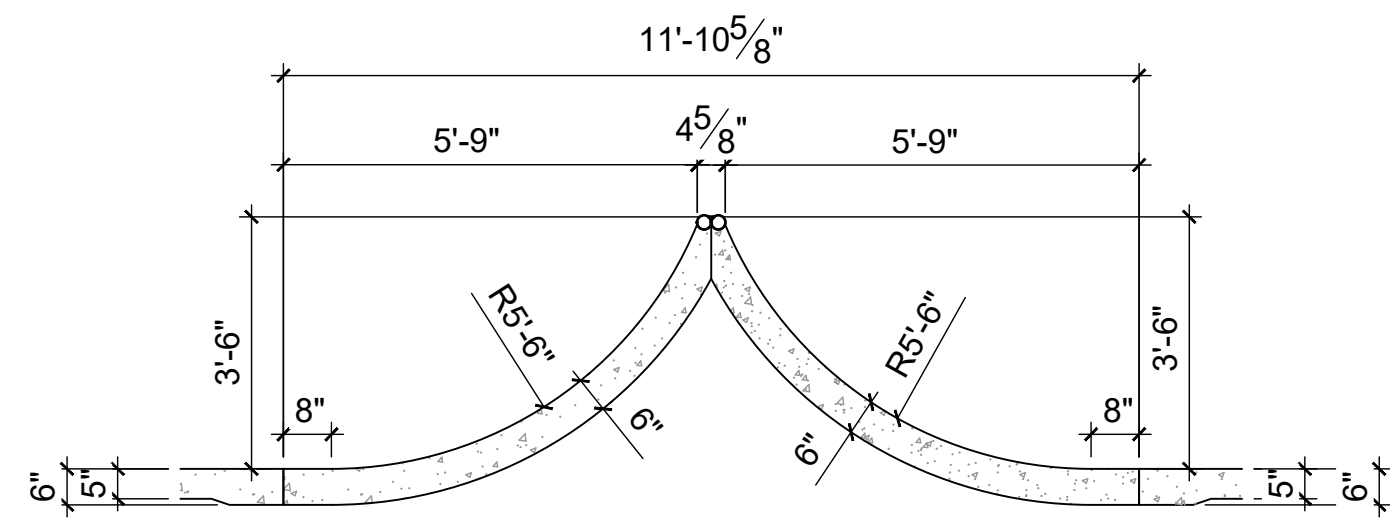
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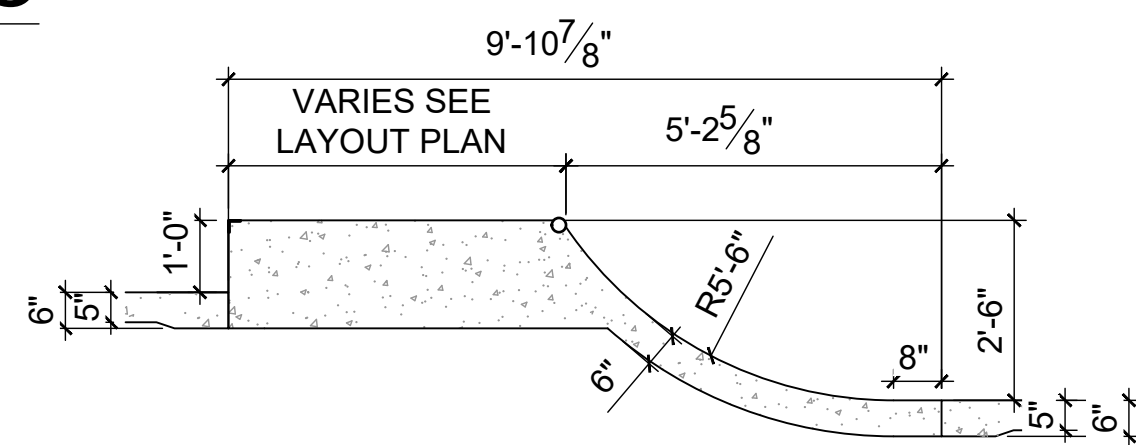
SECTION A



SECTION B

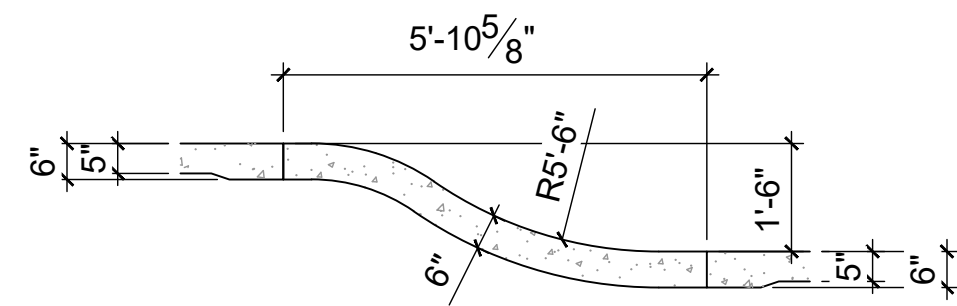


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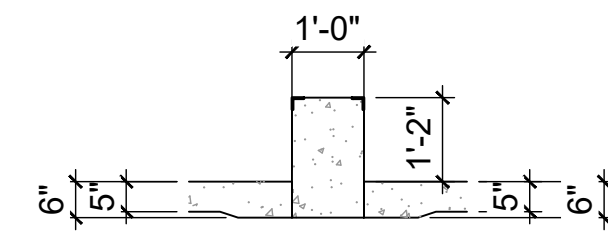


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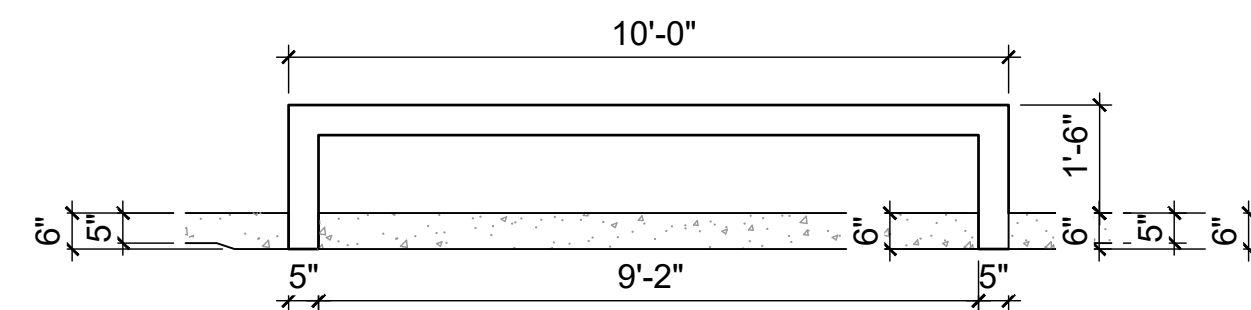
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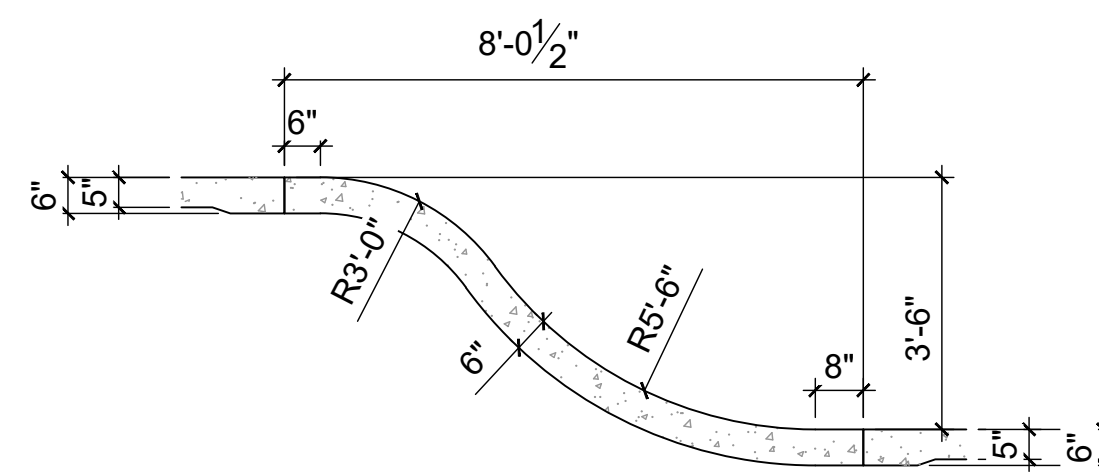
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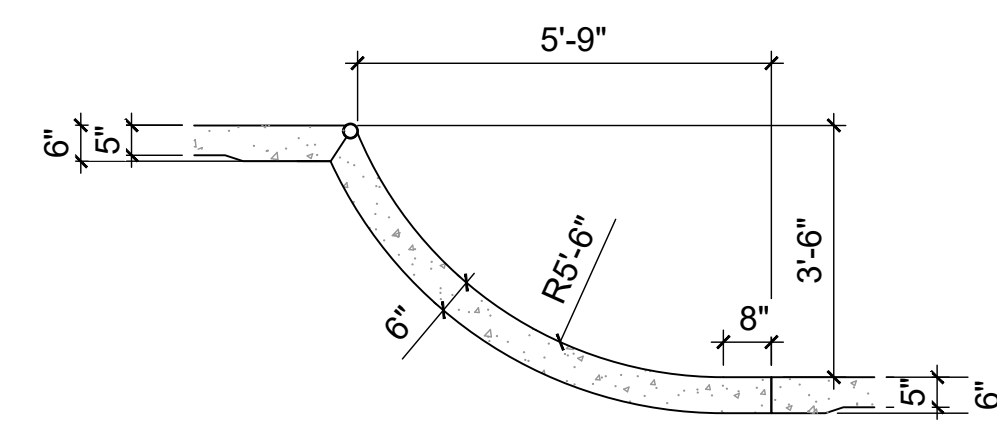
SECTION G



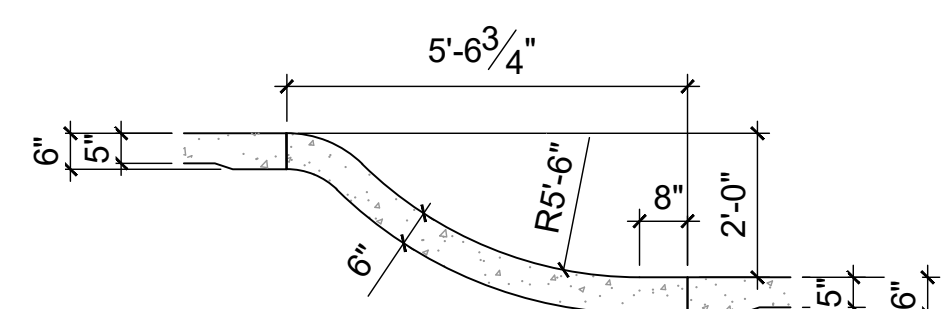
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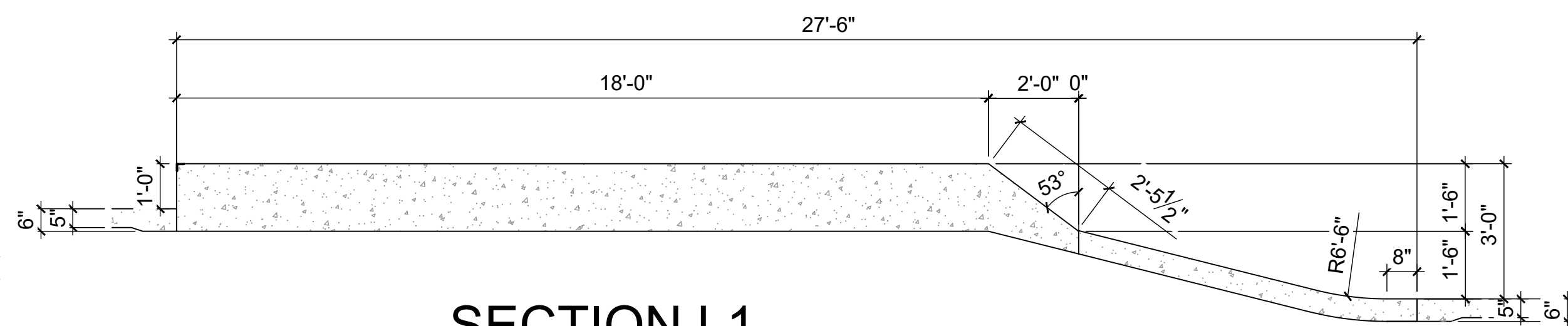
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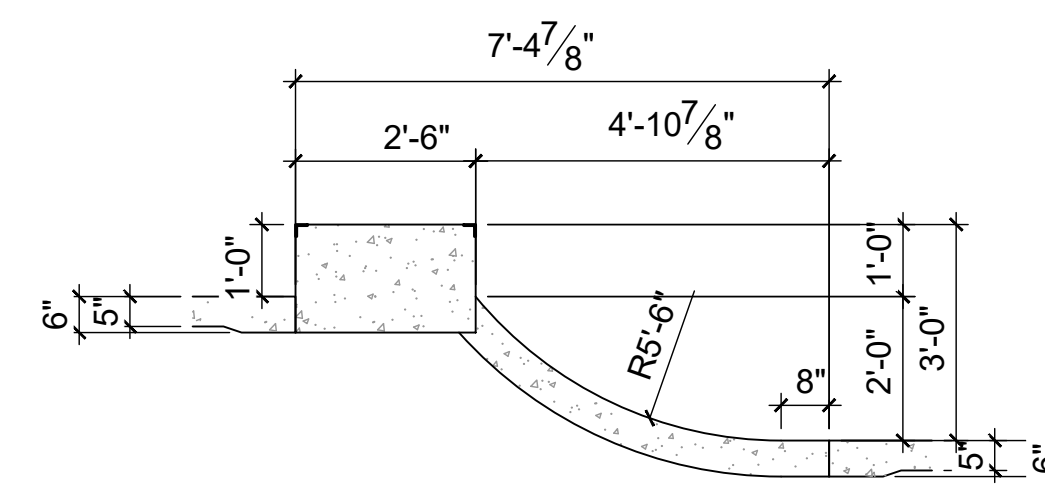
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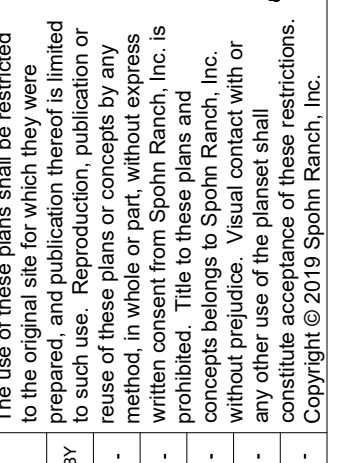
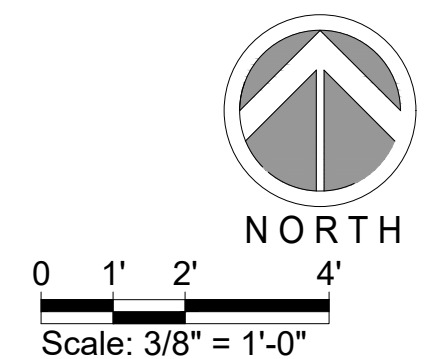
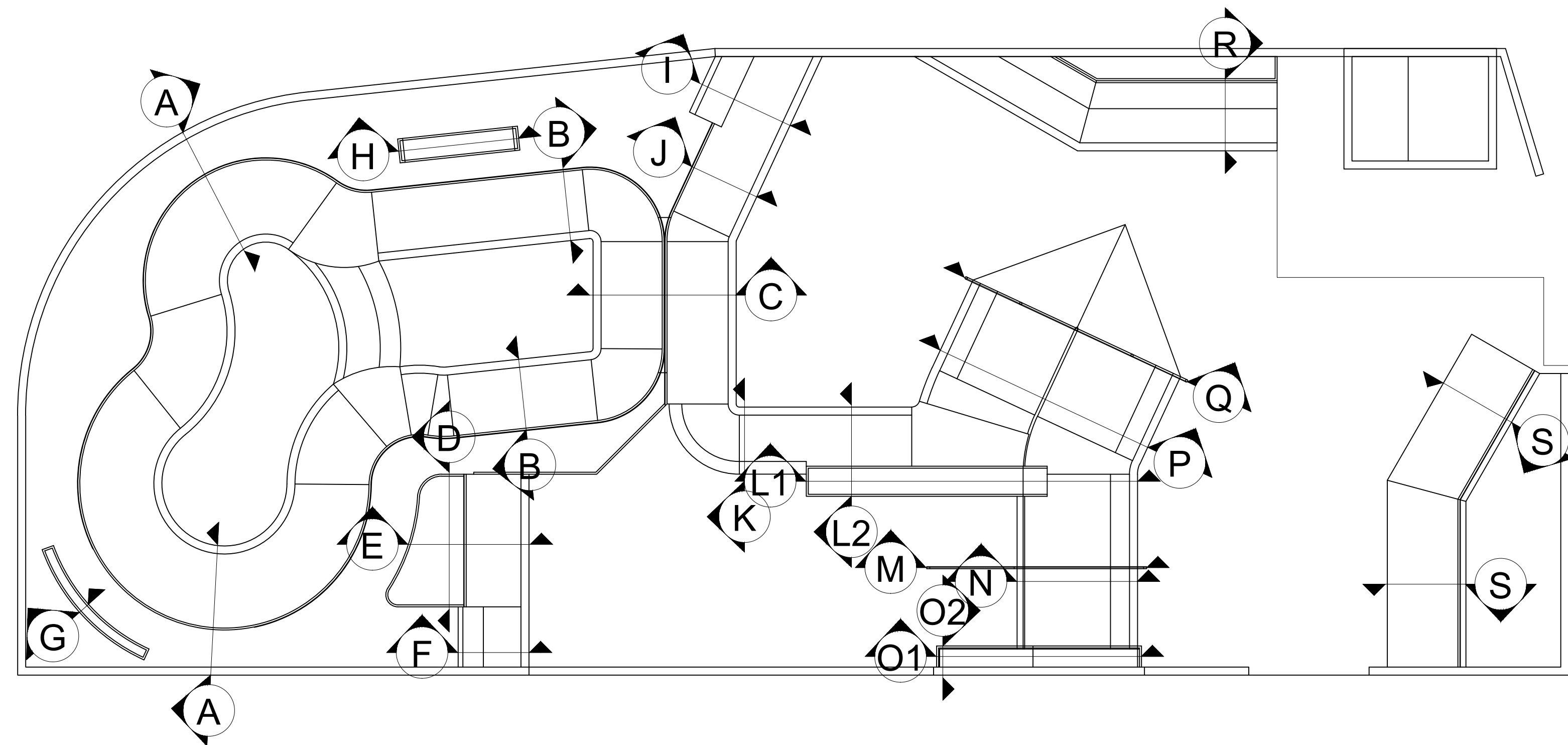
SECTION K



SECTION L1

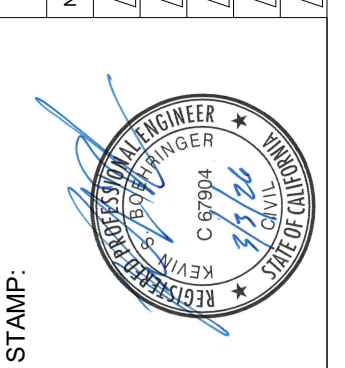


SECTION L2



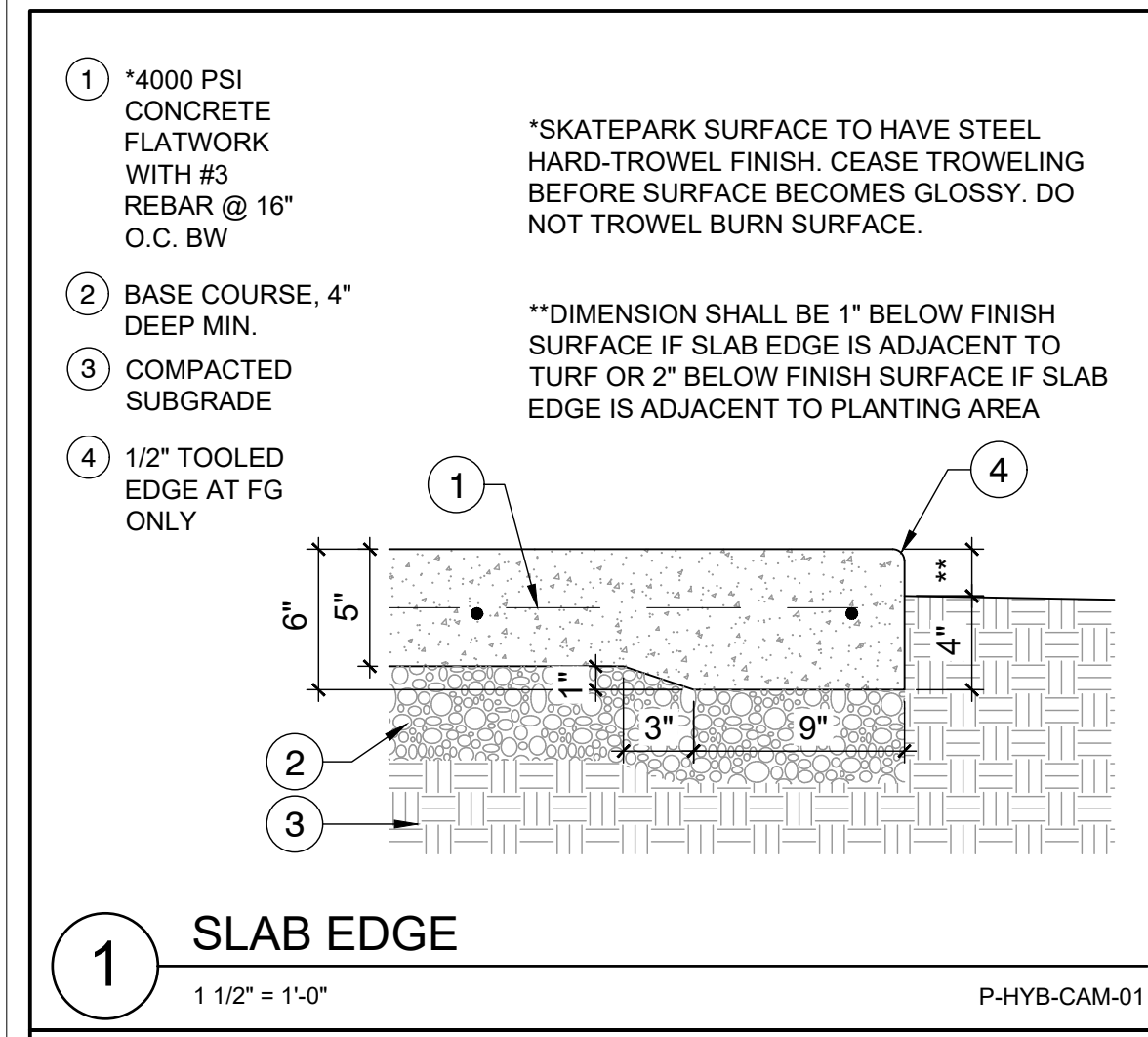
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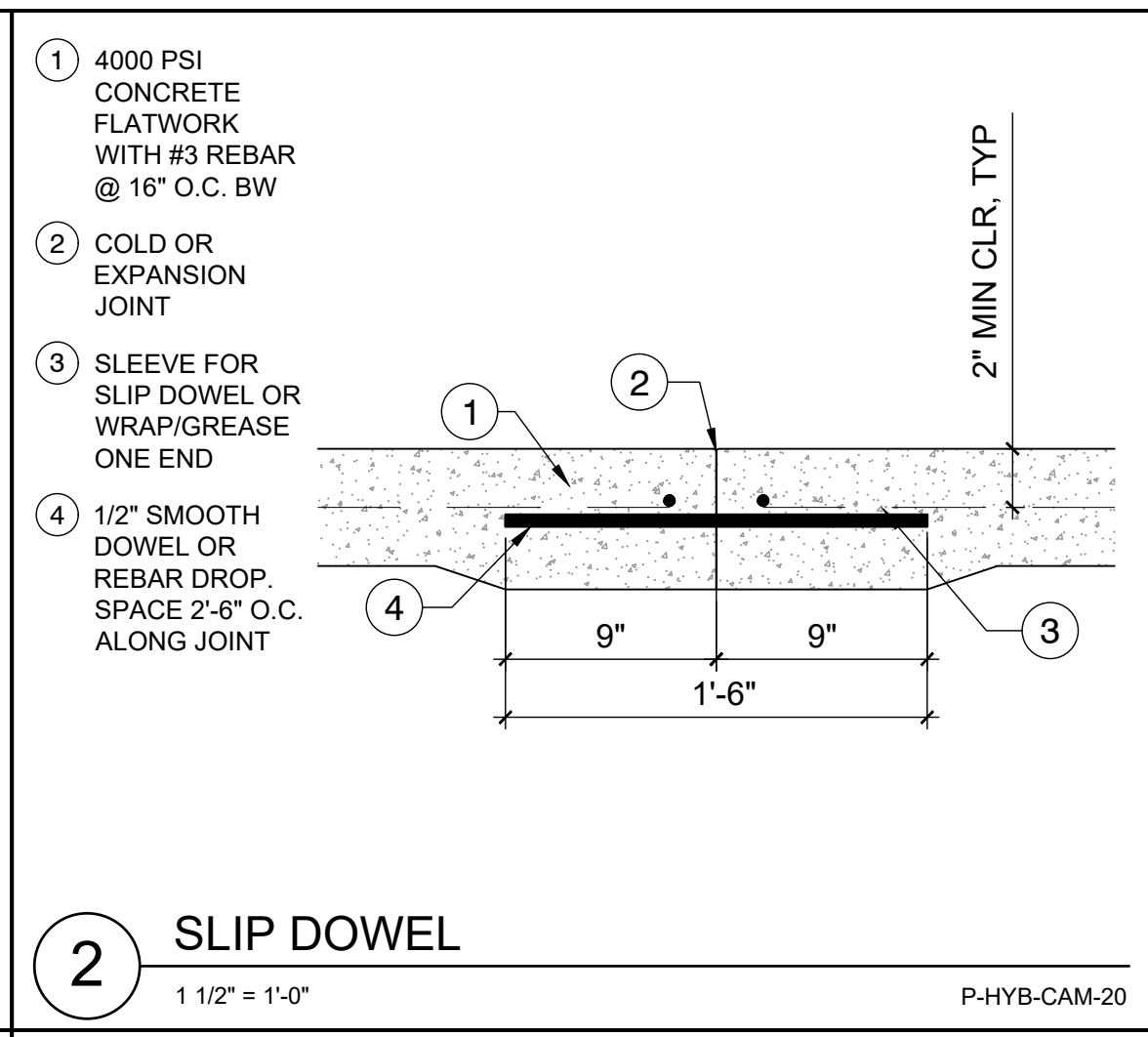


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PLAN CHECKED BY	
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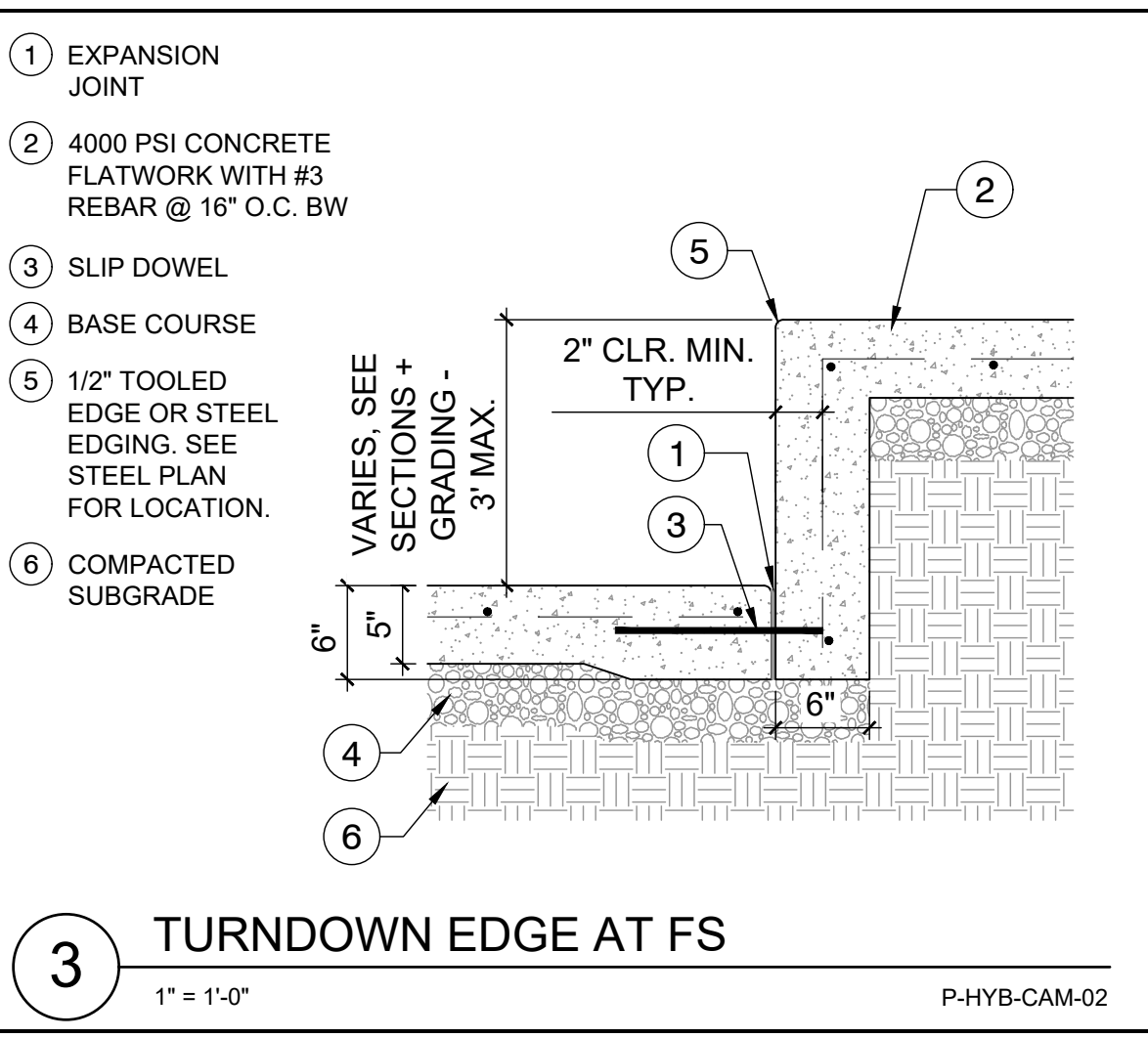
PROJECT TITLE	CAMBRIA, CA
SHEET TITLE	SECTIONS



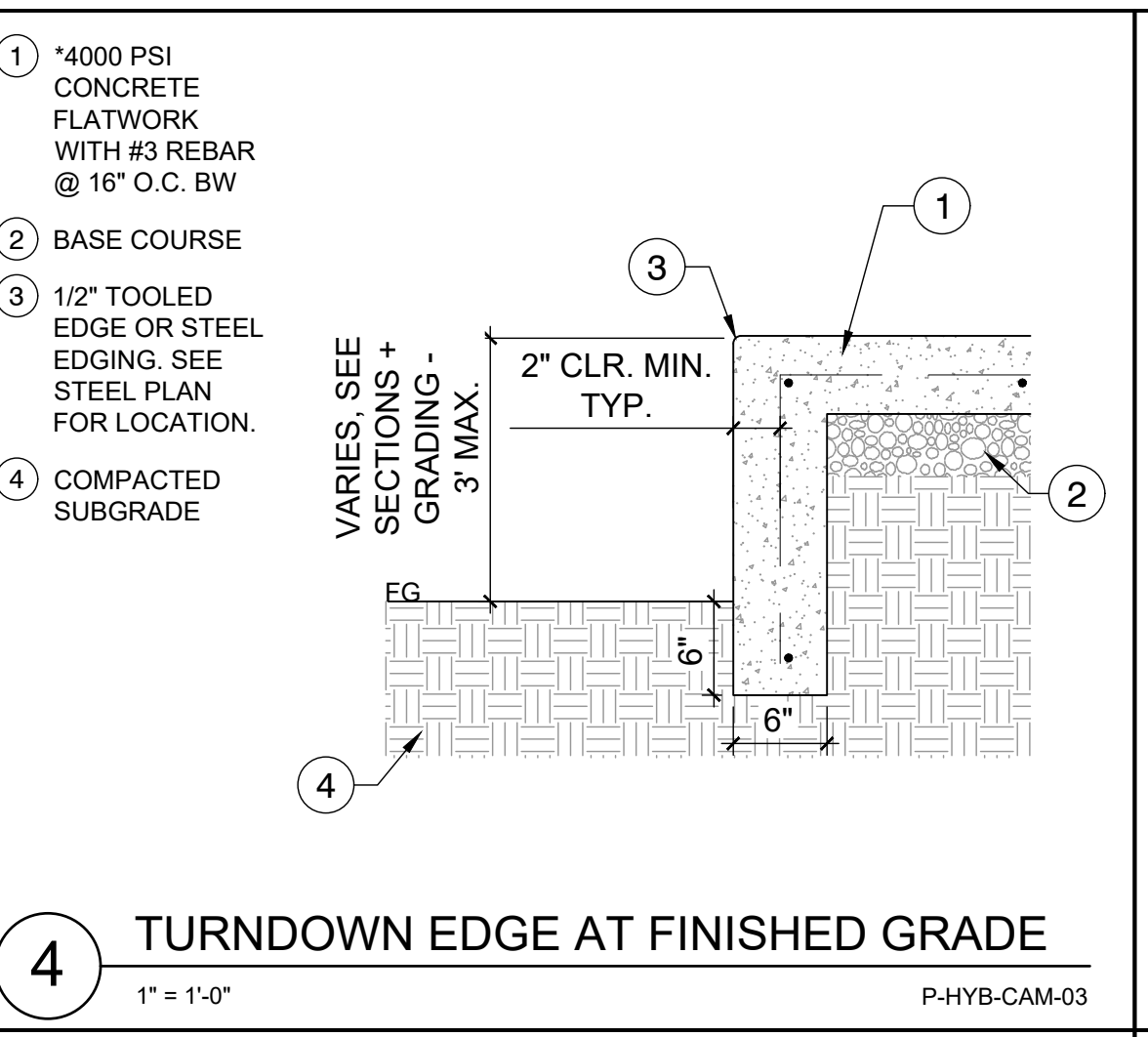
1 SLAB EDGE
1 1/2" = 1'-0"
P-HYB-CAM-01



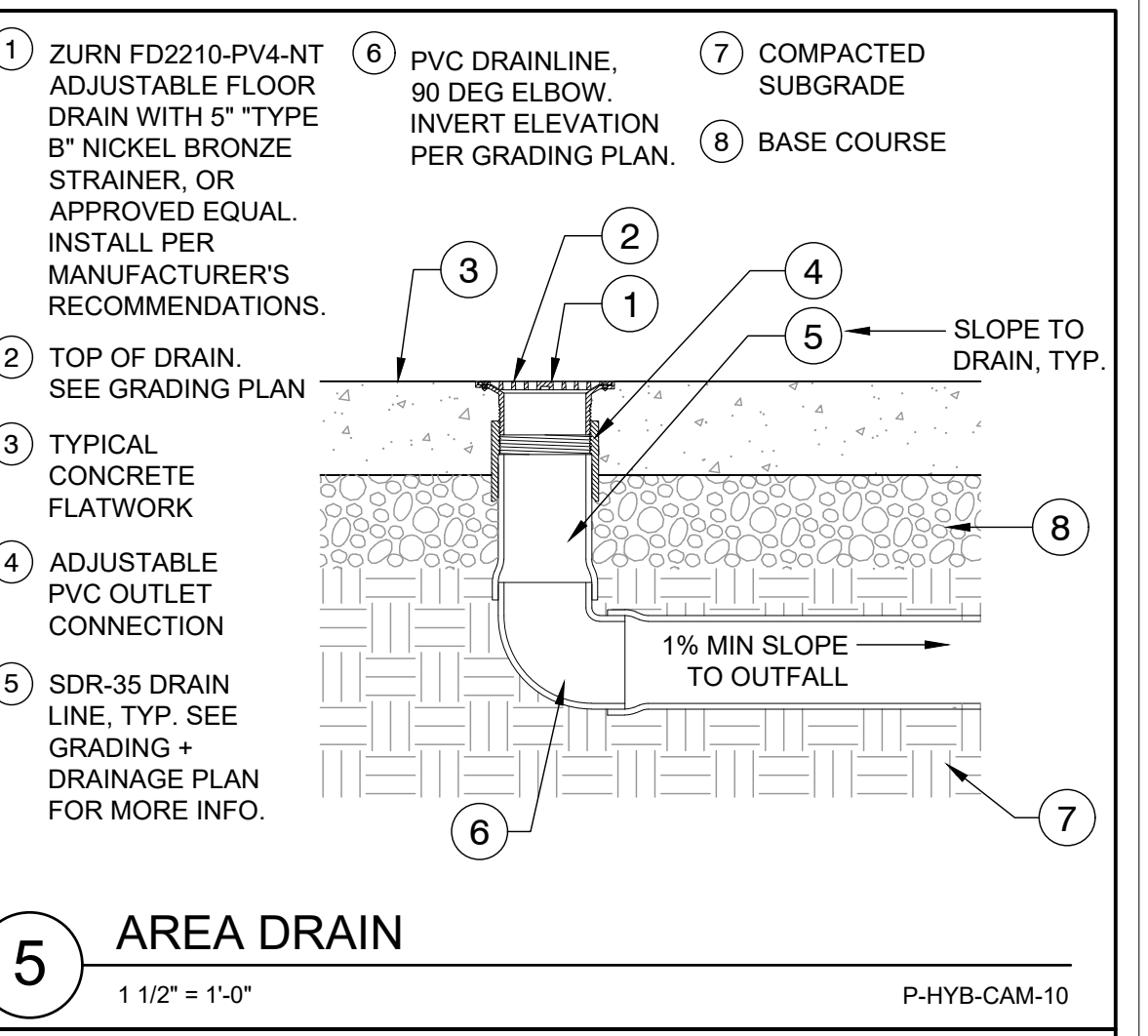
2 SLIP DOWEL
1 1/2" = 1'-0"
P-HYB-CAM-20



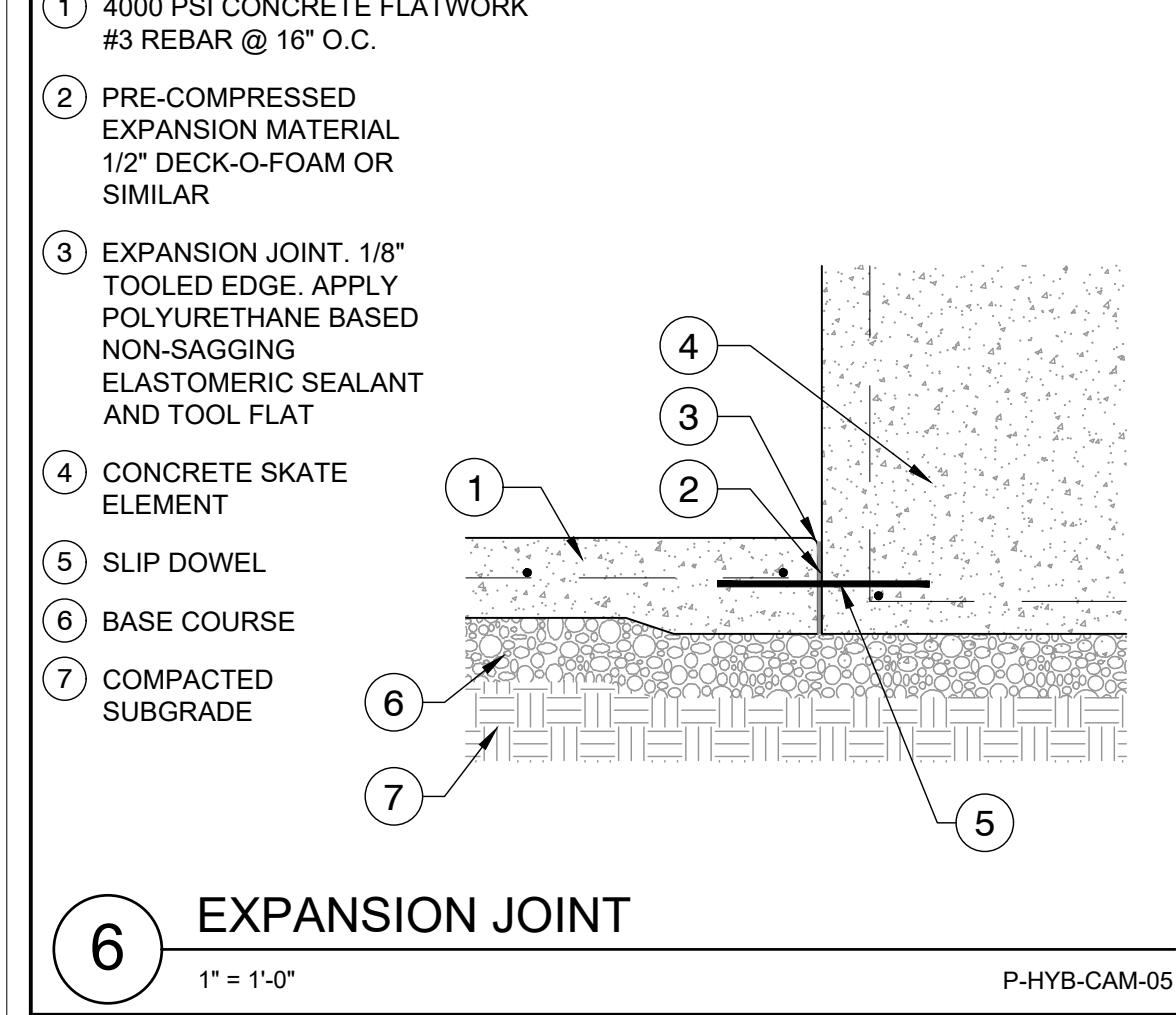
3 TURNDOWN EDGE AT FS
1" = 1'-0"
P-HYB-CAM-02



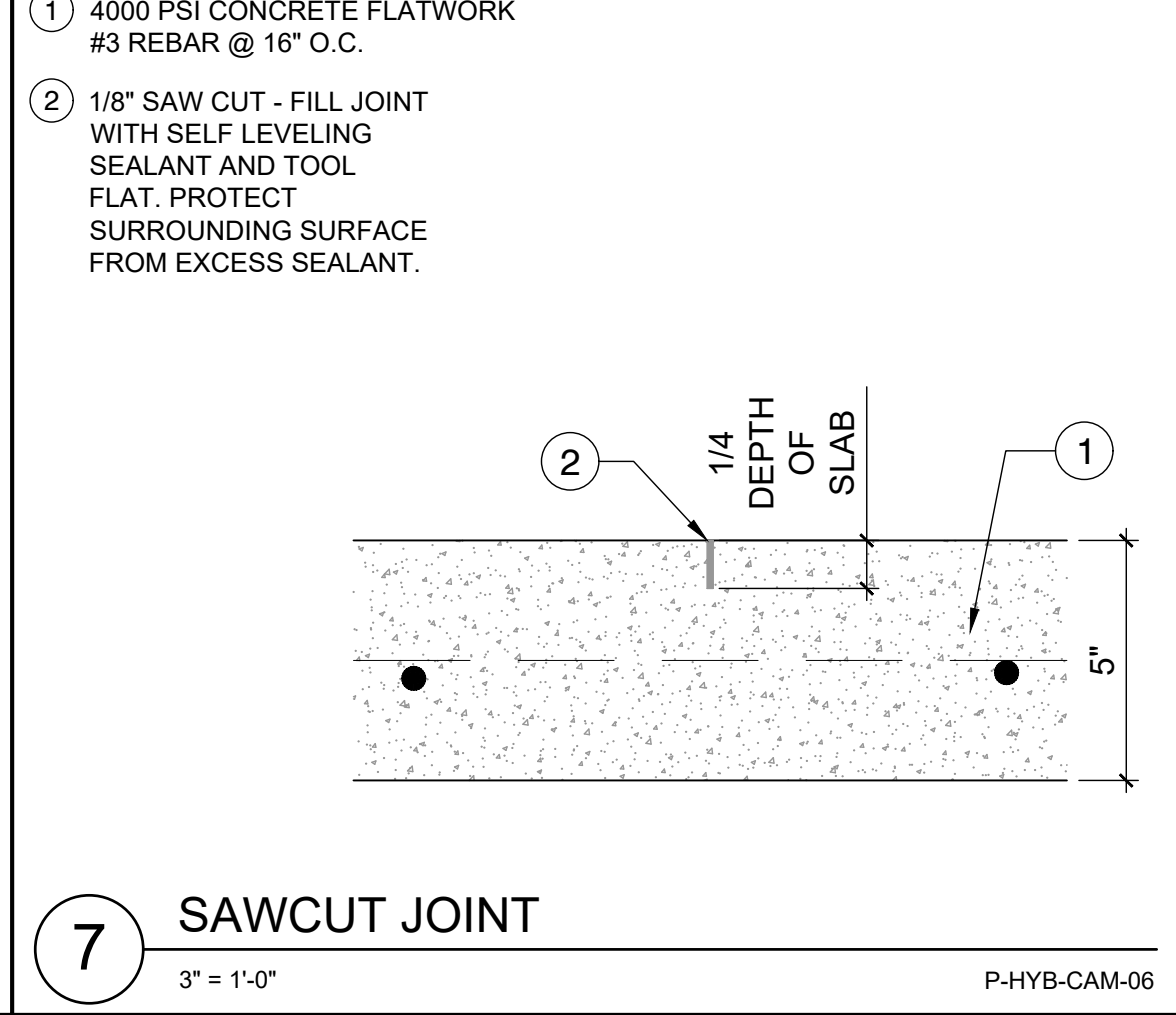
4 TURNDOWN EDGE AT FINISHED GRADE
1" = 1'-0"
P-HYB-CAM-03



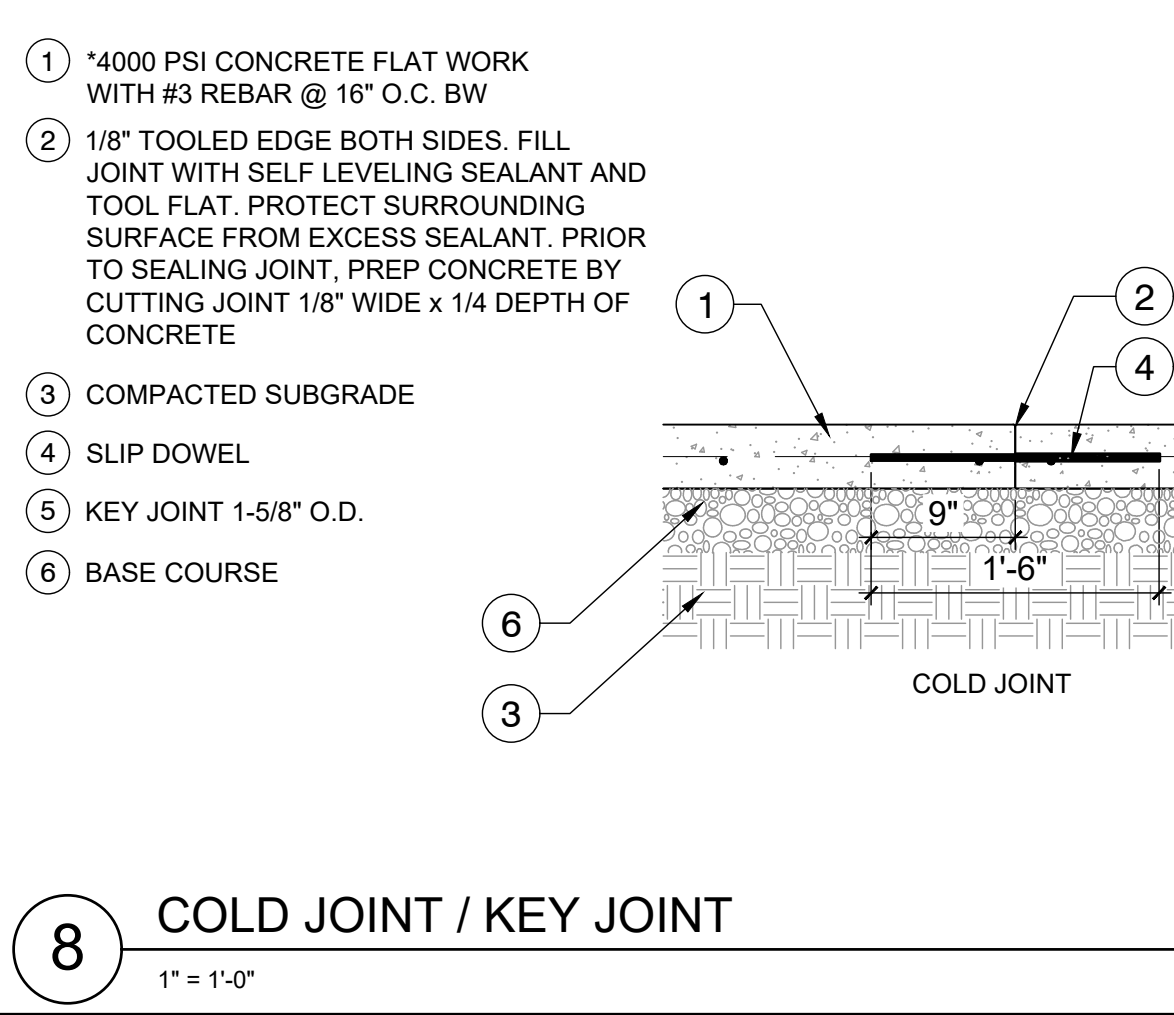
5 AREA DRAIN
1 1/2" = 1'-0"
P-HYB-CAM-10



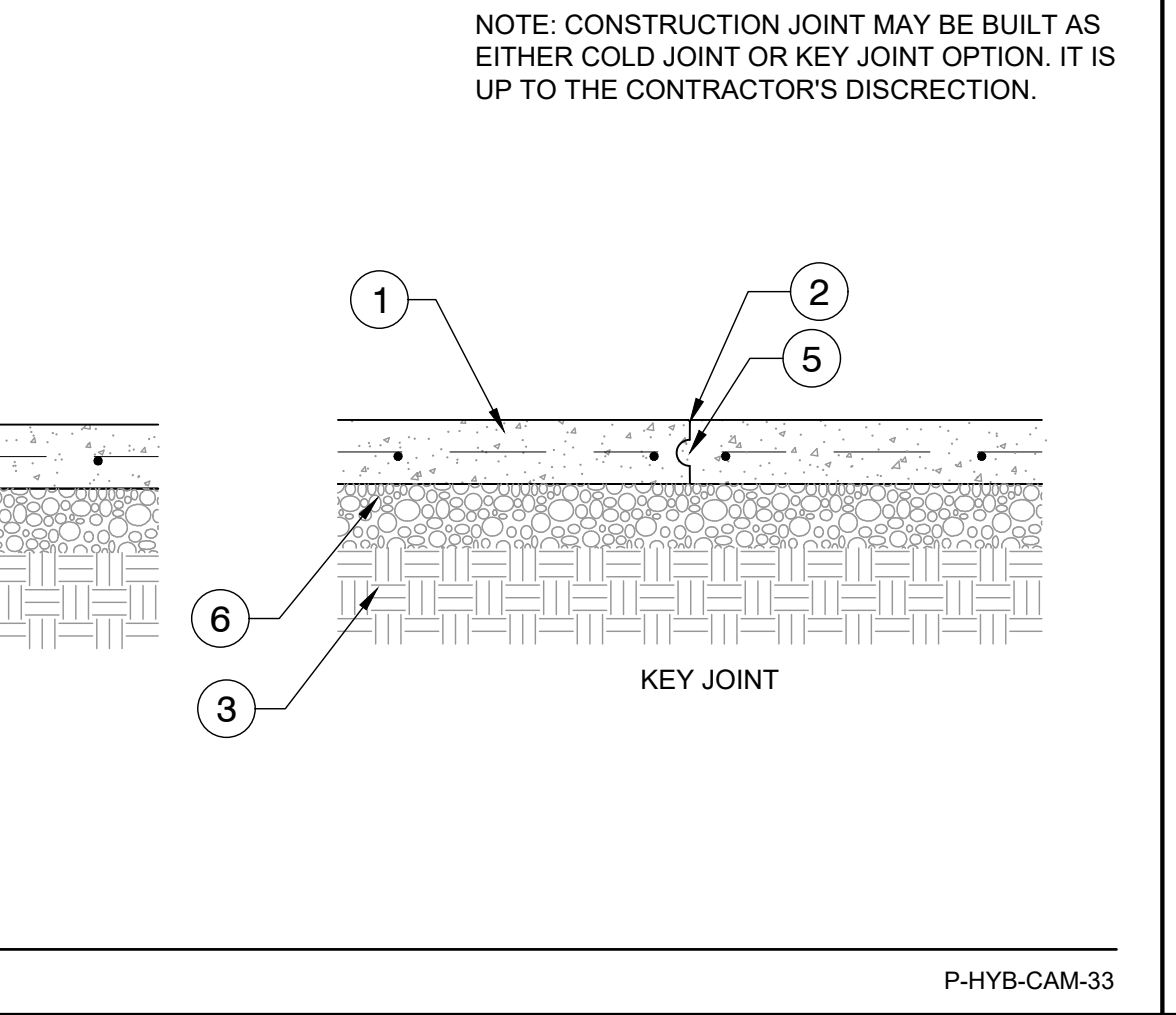
6 EXPANSION JOINT
1" = 1'-0"
P-HYB-CAM-05



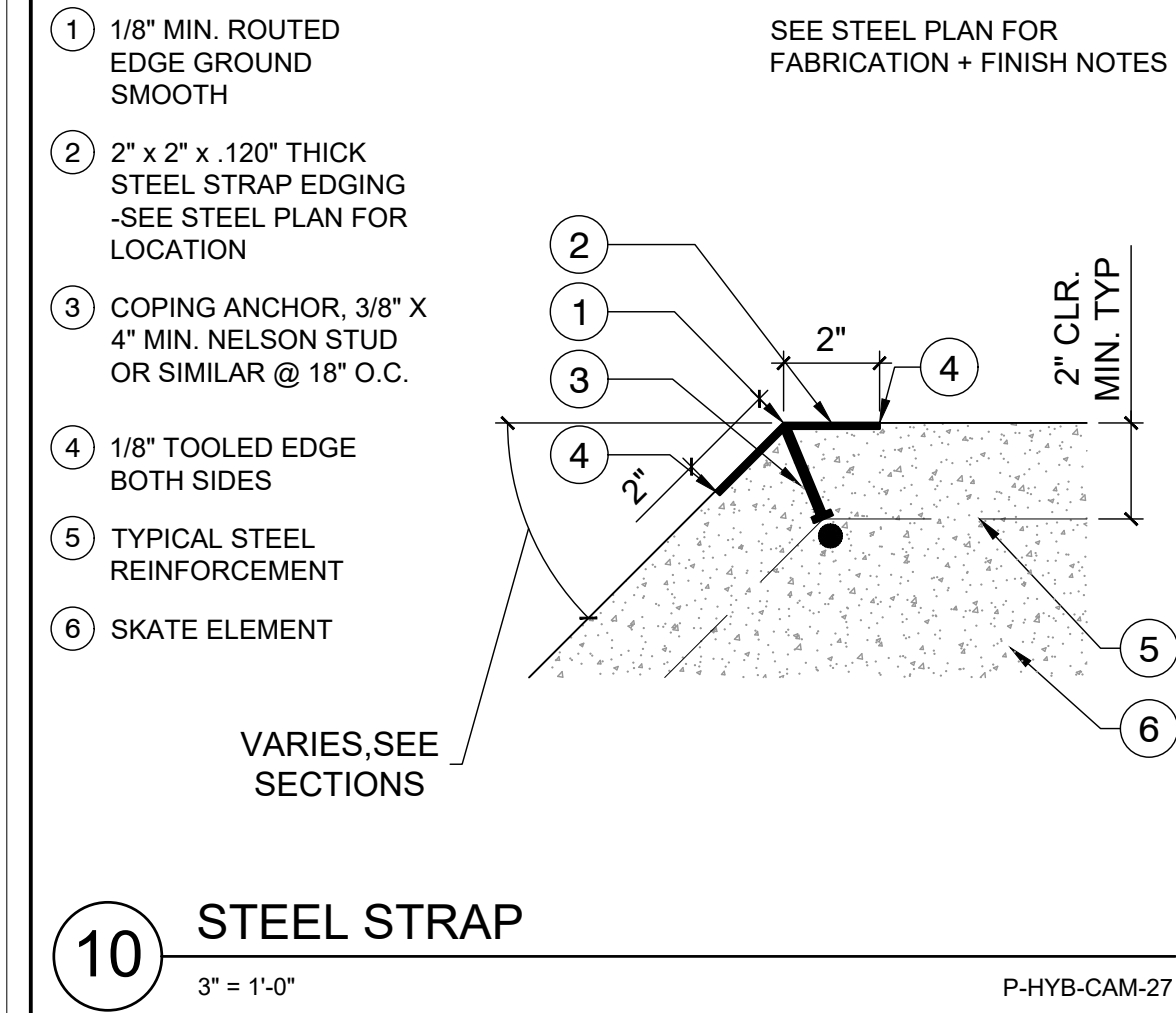
7 SAWCUT JOINT
3" = 1'-0"
P-HYB-CAM-06



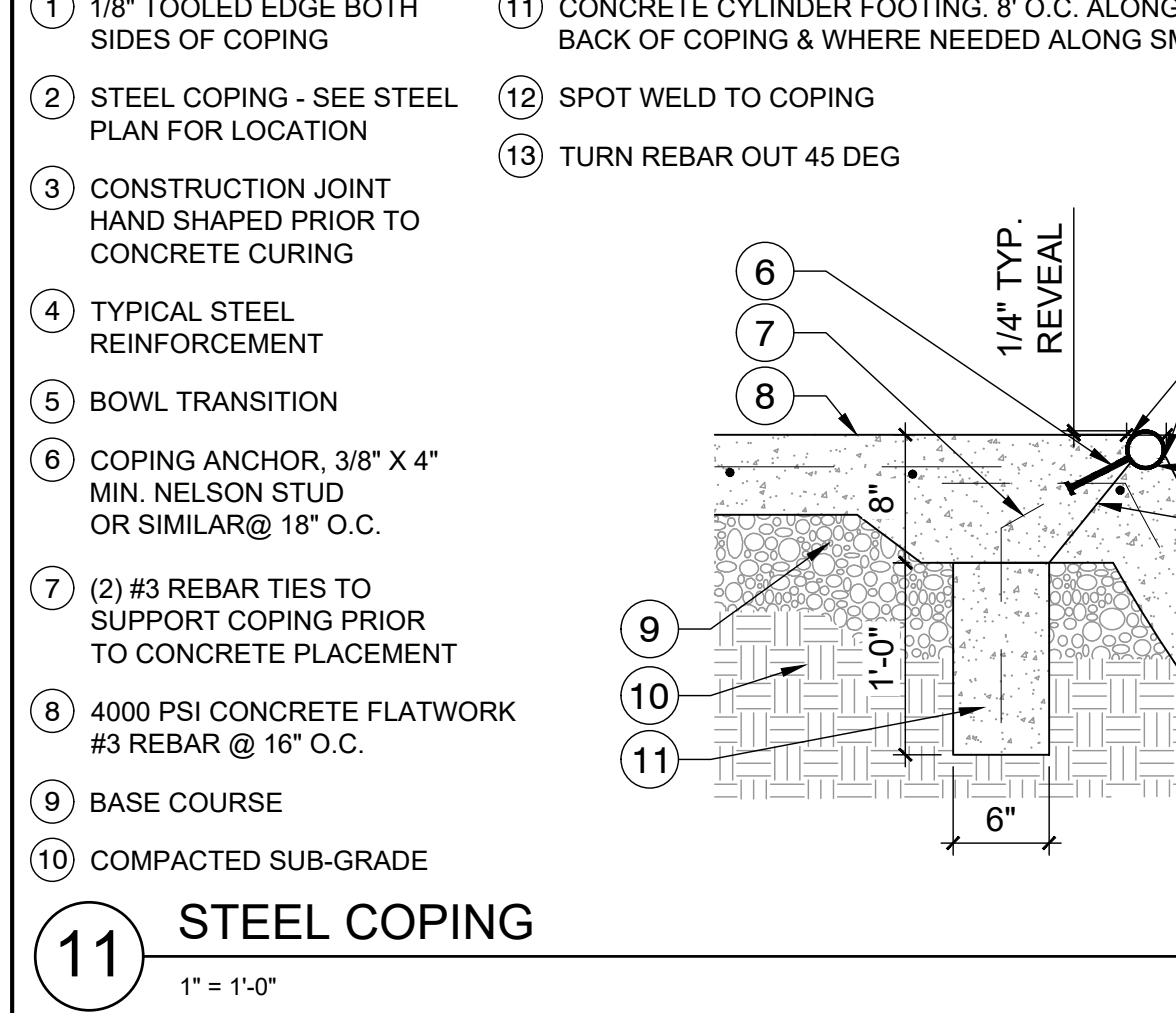
8 COLD JOINT / KEY JOINT
1" = 1'-0"
P-HYB-CAM-33



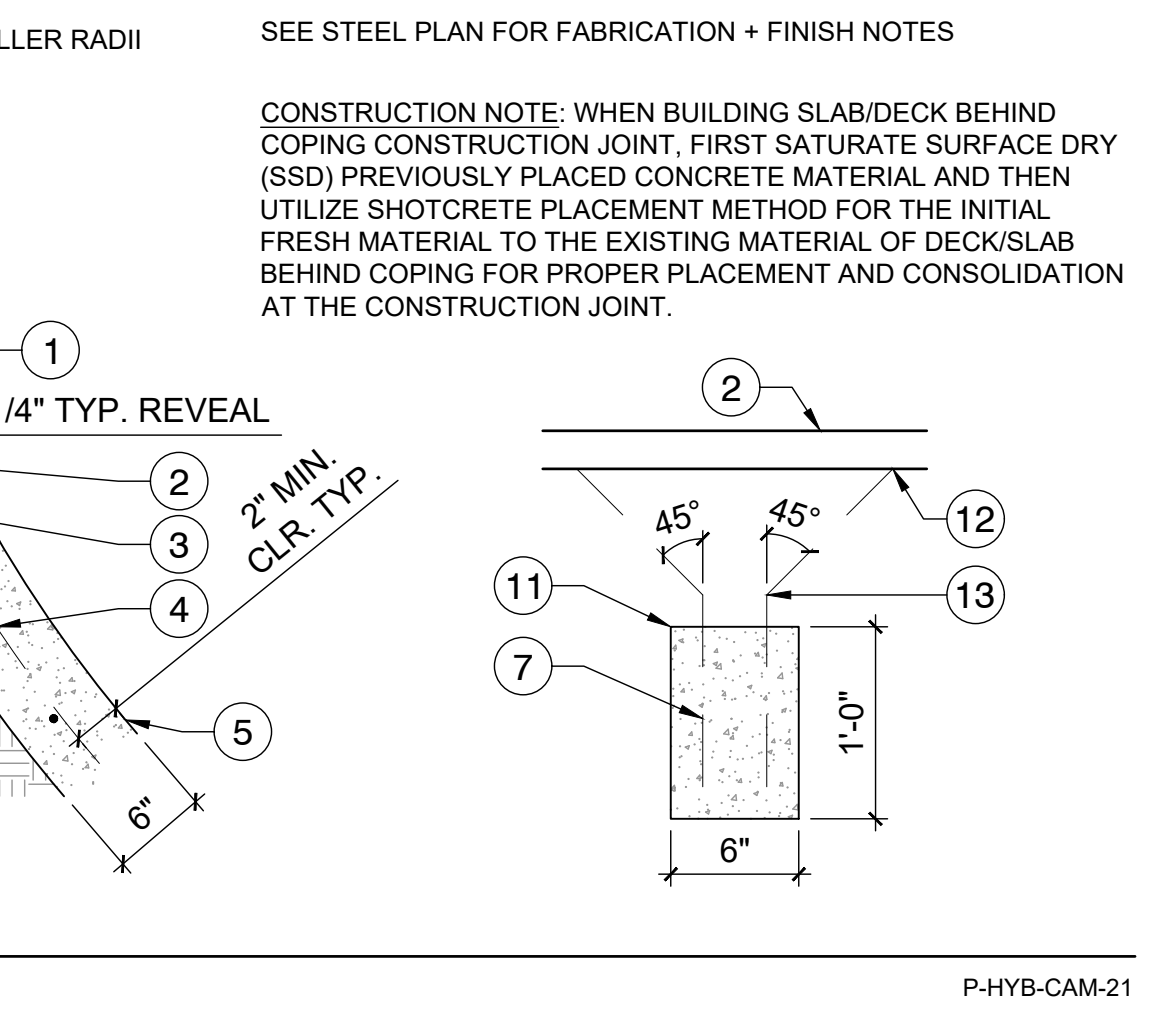
9 STEEL EDGING
3" = 1'-0"
P-HYB-CAM-19



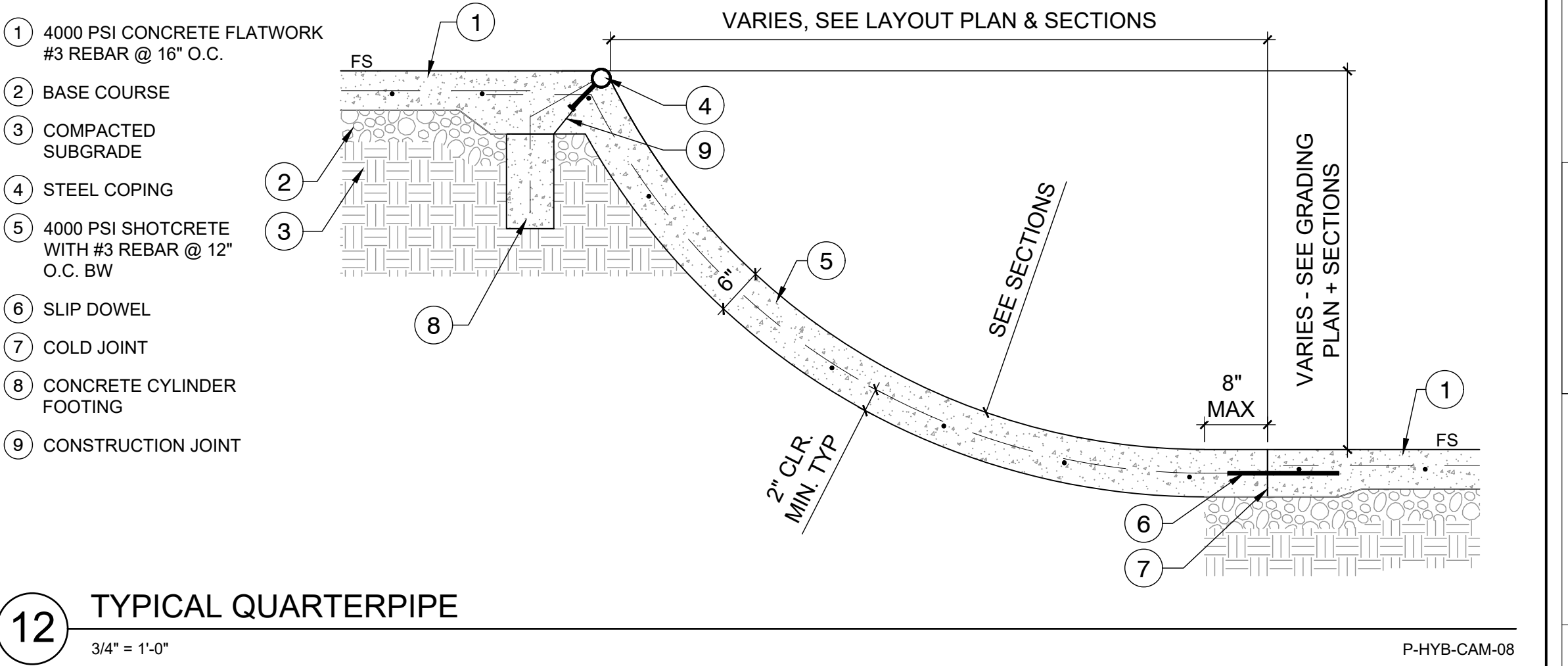
10 STEEL STRAP
3" = 1'-0"
P-HYB-CAM-27



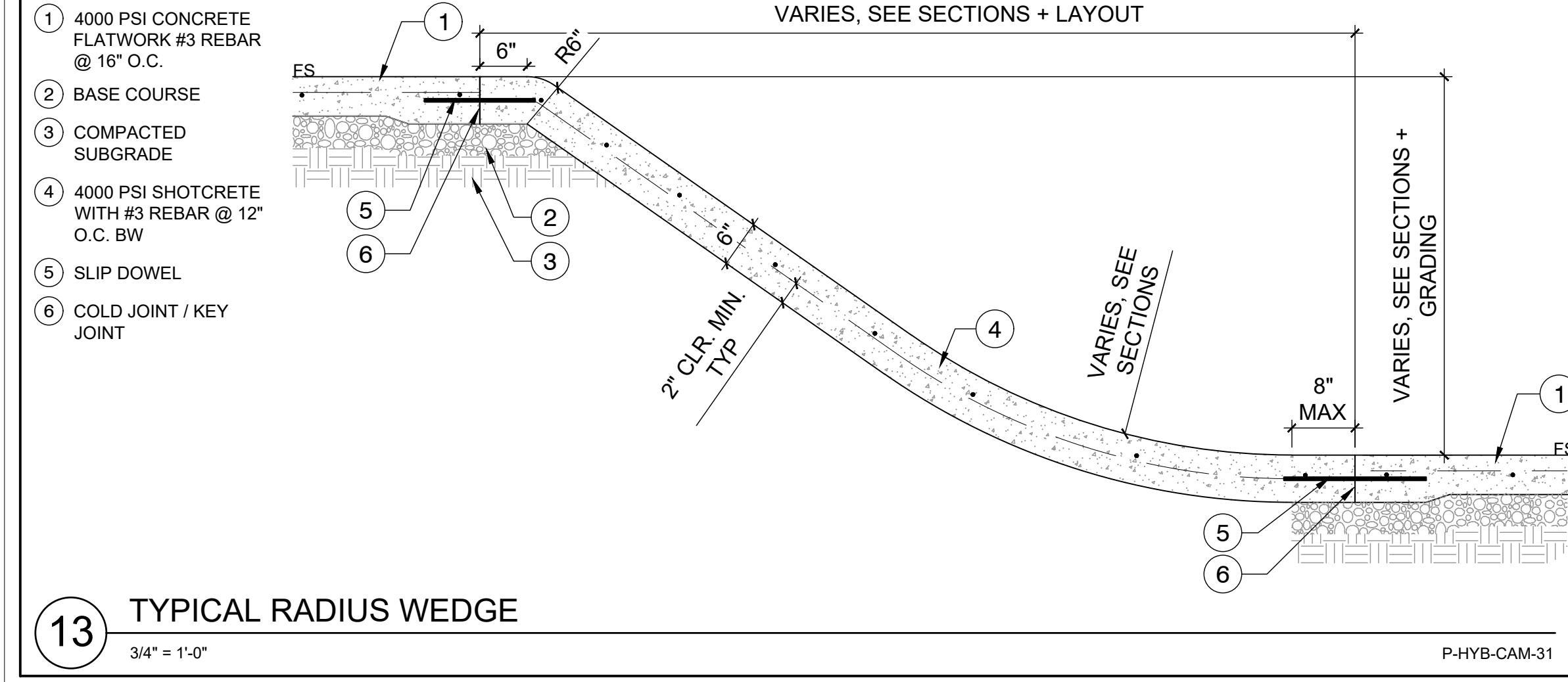
11 STEEL COPING
1" = 1'-0"
P-HYB-CAM-21



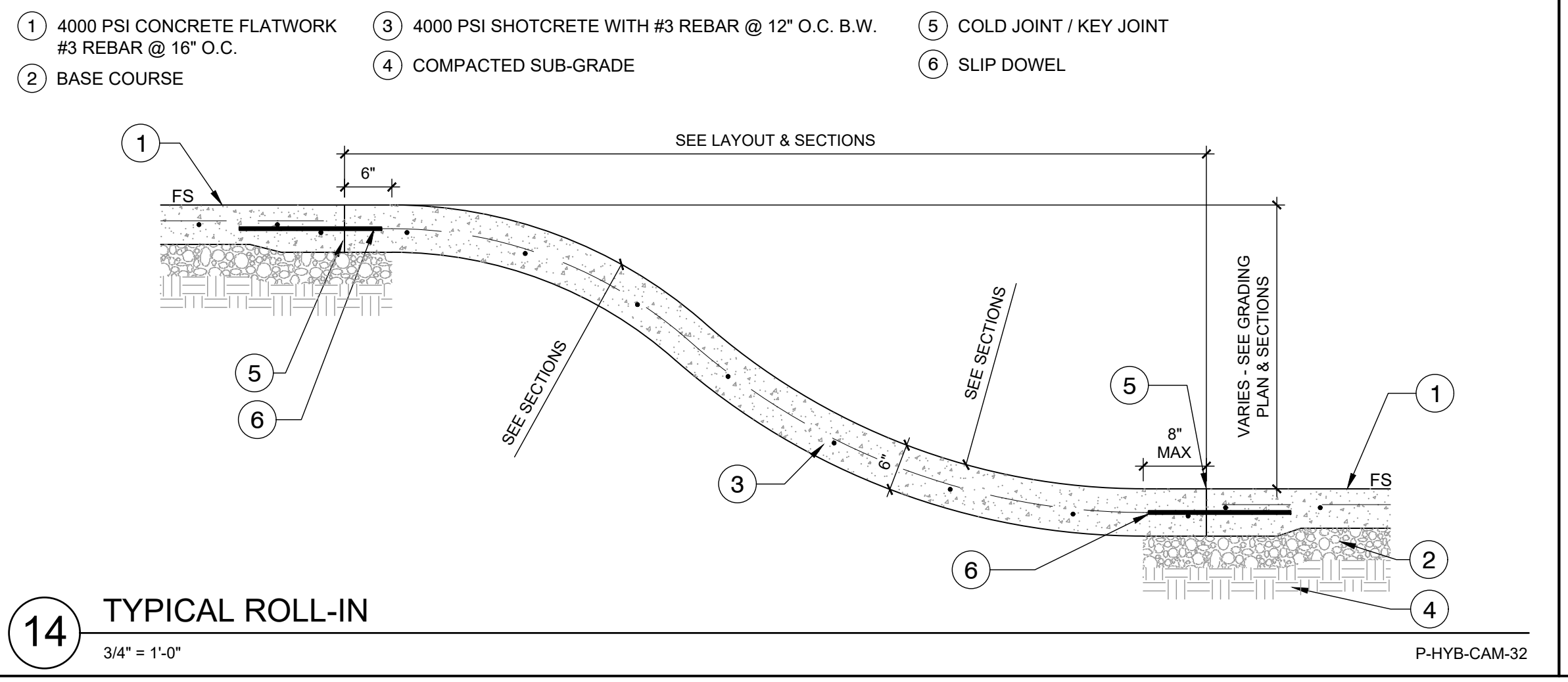
12 TYPICAL QUARTERPIPE
3/4" = 1'-0"
P-HYB-CAM-08



13 TYPICAL RADIUS WEDGE
3/4" = 1'-0"
P-HYB-CAM-31



14 TYPICAL ROLL-IN
3/4" = 1'-0"
P-HYB-CAM-32



15 TYPICAL GRIND RAIL FOOTING
1" = 1'-0"
P-HYB-CAM-15

SPOHN RANCH SKATE PARKS
DESIGN. BUILD. COME TOGETHER.
6824 S. CENTINELA AVE. - LOS ANGELES, CA 90020
OFFICE (626) 330-5803 - FAX (626) 330-5803

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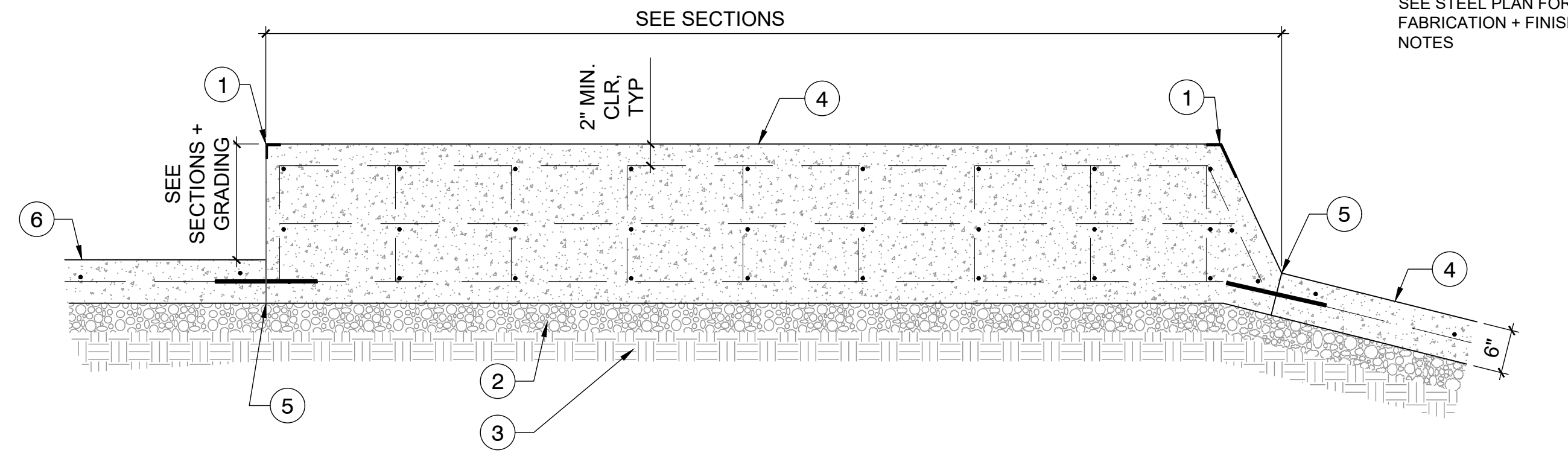
NO.	DATE	REVISIONS

SKATE PARK DESIGNED BY: STAMP: [Professional Engineer Seal]

CW AL CR
DOCUMENTS BY: [Blank]
DH, MB
PLAN CHECKED BY: [Blank]
DATE: 3/3/2026

PROJECT TITLE: **CAMBRIA, CA**
SHEET TITLE: **CONSTRUCTION DETAILS**
SHEET: **SK11.0**
16 OF 17

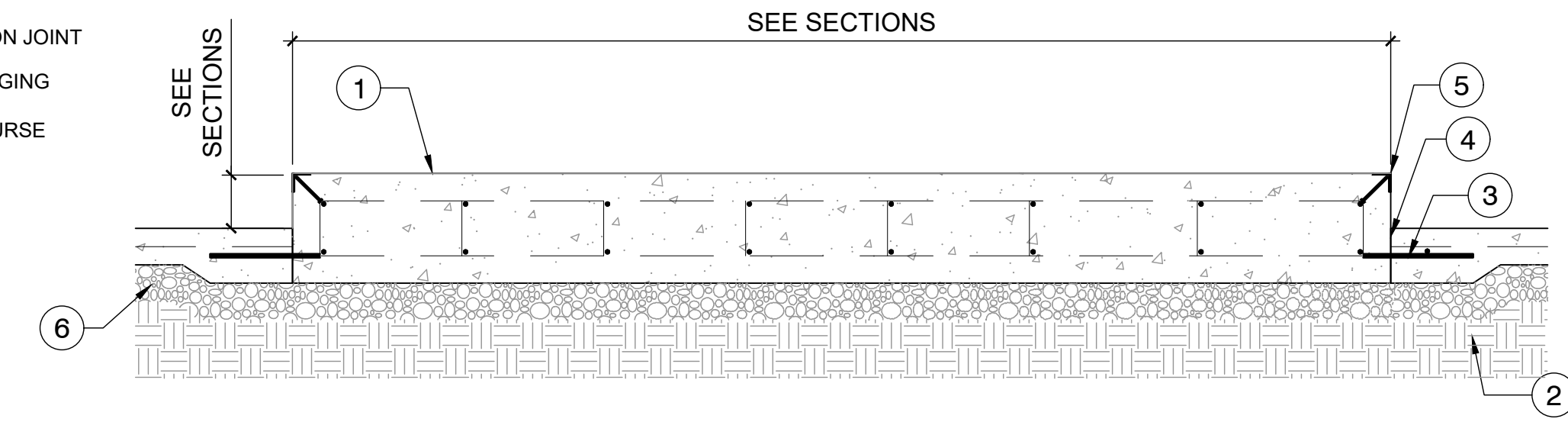
- 1 STEEL EDGING
- 2 BASE COURSE
- 3 COMPACTED SUBGRADE
- 4 4000 PSI SHOTCRETE WITH #3 REBAR @ 12" O.C. BW
- 5 COLD JOINT
- 6 4000 PSI CONCRETE FLATWORK WITH #3 REBAR @ 16" O.C. BW



1 SLAPPY GRIND LEDGE
3/4" = 1'-0"

P-HYB-CAM-24

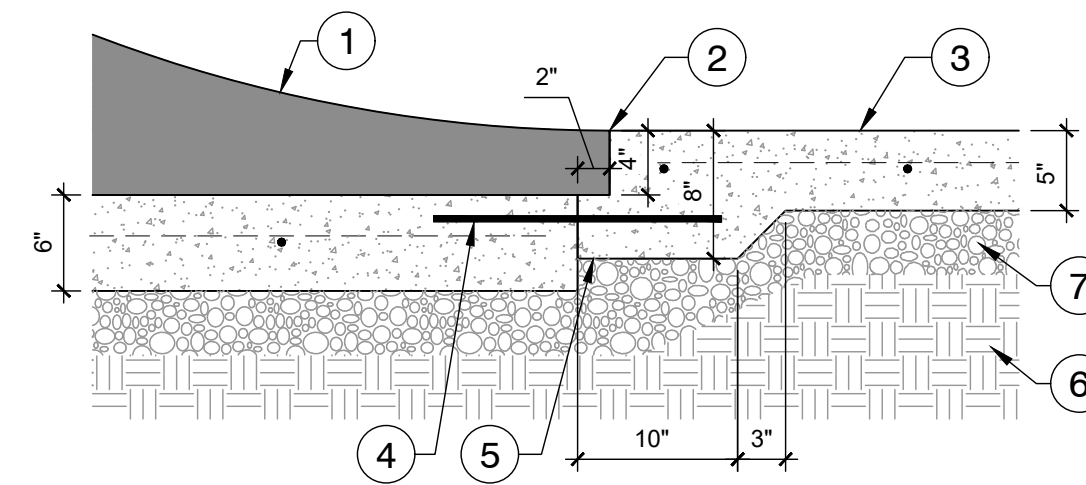
- 1 4000 PSI CONCRETE WITH #3 REBAR @ 12" O.C. B.W.
- 2 COMPACTED SUBGRADE
- 3 SLIP DOWEL
- 4 EXPANSION JOINT
- 5 STEEL EDGING
- 6 BASE COURSE



2 GRIND LEDGE
3/4" = 1'-0"

P-HYB-CAM-47

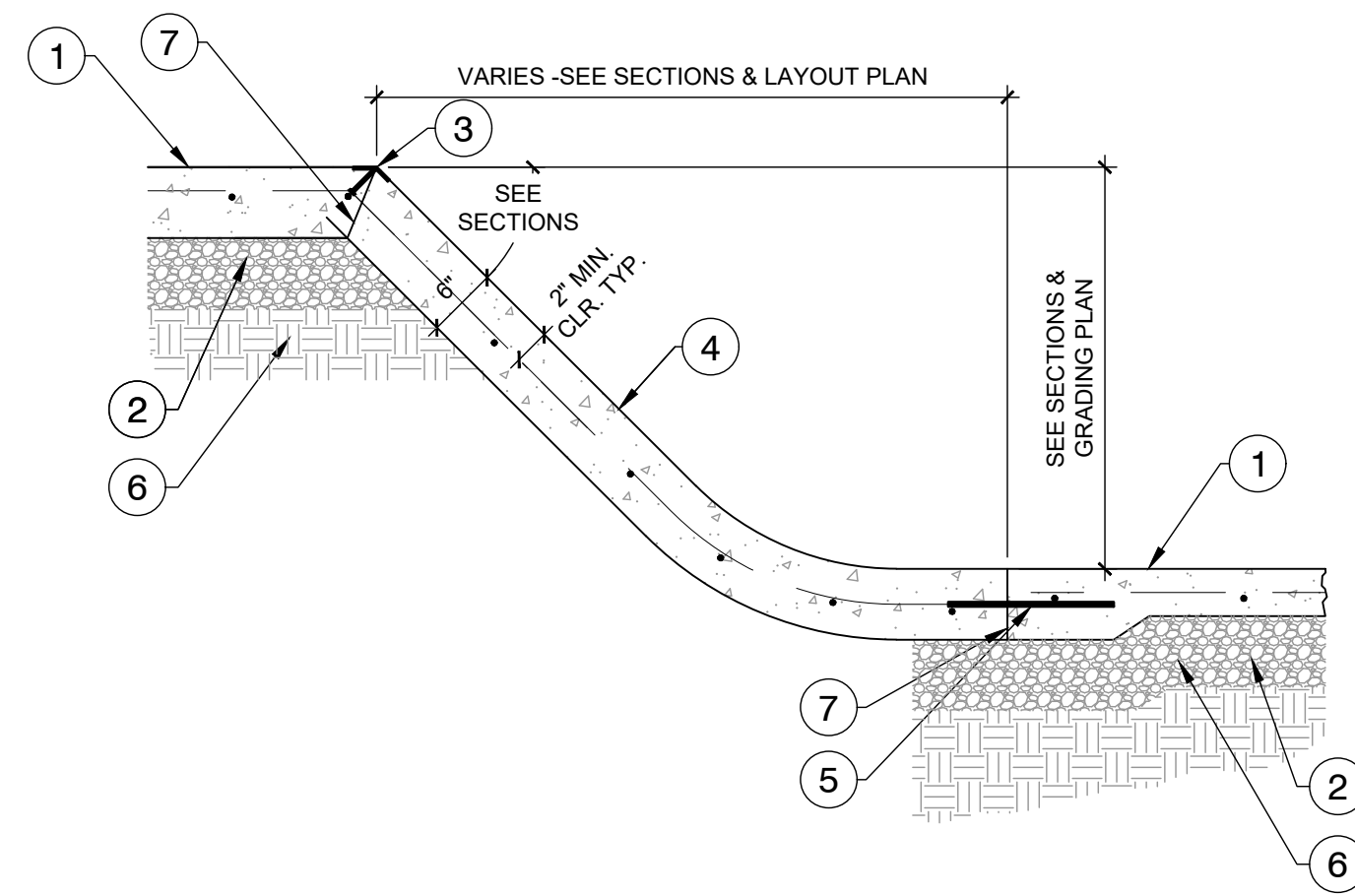
- 1 PRECAST SKATE ELEMENT
- 2 COLD JOINT
- 3 4000 PSI CONCRETE FLATWORK WITH #3 REBAR @ 16" O.C. BW
- 4 SLIP DOWEL
- 5 VIBRATE CONCRETE TO PRODUCE EFFECTIVE CONSOLIDATION UNDER PRECAST SKATE ELEMENT ADJACENT TO FOOTING
- 6 COMPACTED SUB-GRADE
- 7 BASE COURSE



3 PRECAST TOE CONNECTION W/ FOOTER
1" = 1'-0"

P-HYB-CAM-09

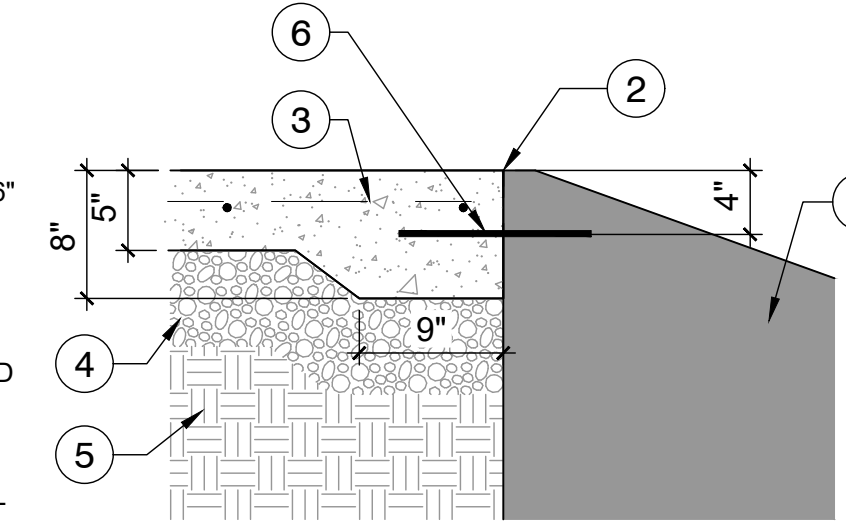
- 1 4000 PSI CONCRETE FLATWORK WITH #3 REBAR @ 16" O.C. BW
- 2 BASE COURSE
- 3 STEEL STRAP
- 4 4000 PSI SHOTCRETE WITH #3 REBAR @ 12" O.C. BW
- 5 SLIP DOWEL
- 6 COMPACTED SUB-GRADE
- 7 COLD JOINT



4 LA HIGH WALL
3/4" = 1'-0"

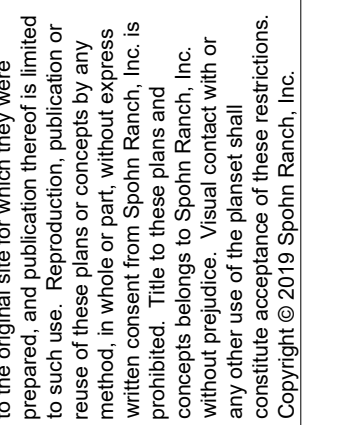
P-HYB-CAM-52

- 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.



5 PRECAST TOP CONNECTION
1" = 1'-0"

P-HYB-CAM-11



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NO	DATE	REVISIONS DESCRIPTION

SKATE PARK DESIGNED BY: STAMP: [Stamp]

CW
AL, CR
DH, MB
DATE: 3/3/2026

PROJECT TITLE
CAMBRIA, CA

SHEET TITLE
CONSTRUCTION DETAILS

IRRIGATION NOTES

- 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.
- 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.
- THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
- THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
- 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.
- 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.
- ACTUAL LOCATION FOR THE INSTALLATION OF THE AUTOMATIC CONTROLLER IS TO BE DETERMINED IN THE FIELD BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
- 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.

- 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.
- 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.
- ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVSERSPRAY 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.
- THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.

MWELO COMPLIANCE STATEMENT:

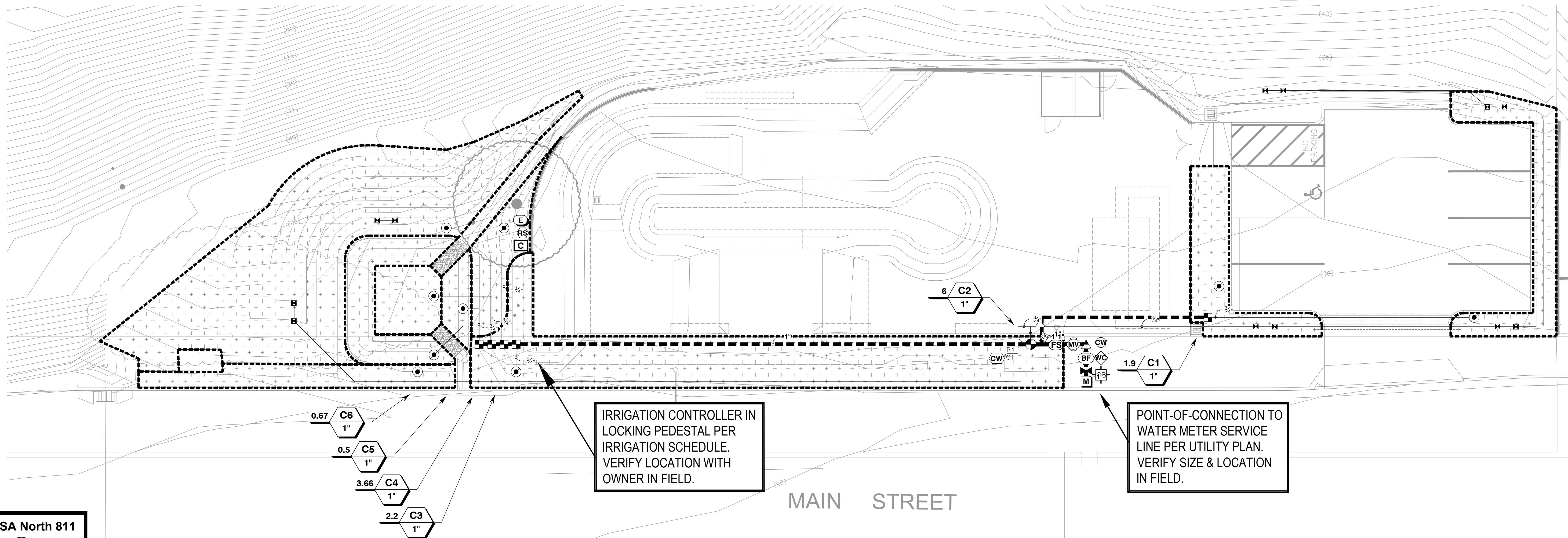
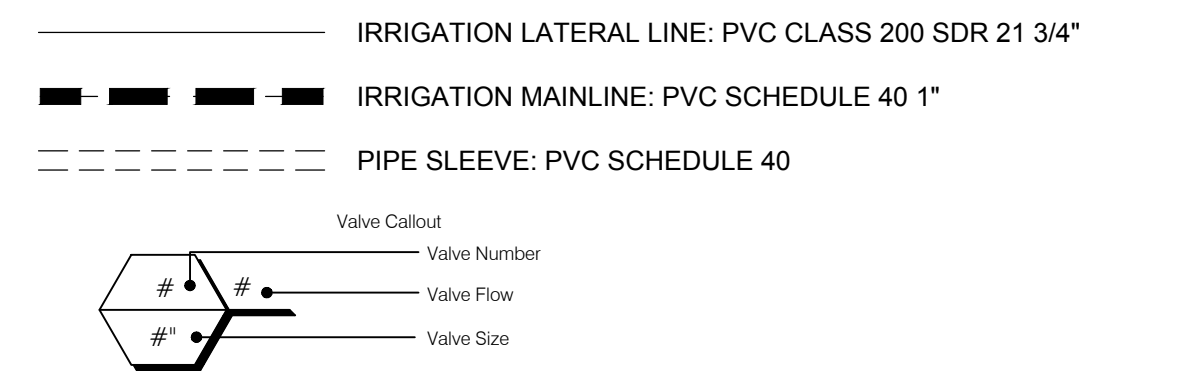
I HAVE COMPLIED WITH THE CRITERIA OF THE CALIFORNIA WATER EFFICIENT LANDSCAPE ORDINANCE 1881 AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

Jim Burrows
 JIM BURROWS, CLA #2737
 APRIL 2025

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	ARC	PSI	GPM	RADIUS
H	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" MCDP 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 SHUT OFF DESIGNED FOR IRRIGATION, SPAS, POOLS AND OTHER GENERAL COLD WATER APPLICATIONS. 125 PSI RATING. SAME SIZE AS MAINLINE.				
⊕	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
- ⊖ ZURN 975XL 1" REDUCED PRESSURE BACKFLOW DEVICE
- ⊖ RAIN BIRD ESPLXME2P 12 STATION, TRADITIONALLY-WIRED COMMERCIAL CONTROLLER W/ FACTORY INSTALLED PRO SMART MODULE. INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE.
- ⊖ IRRIGATION CONTROL WIRE #14UF AWG DIRECT BURIAL (U.L. APPROVED.)
- ⊖ RAIN BIRD RSD-BEX RAIN SENSOR, WITH METAL LATCHING BRACKET, EXTENSION WIRE.
- ⊖ WIRE CONNECTOR 3M DIRECT BURIAL WATER-PROOF WIRE CONNECTORS (U.L. APPROVED.)
- ⊖ 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-LXVM(P) | LXO | LXME2(P) | ME3, OR CONTROLLERS ACCEPTING CUSTOM K-FACTOR AND OFFSET. INSTALL IN RAIN BIRD VALVE BOX.
- ⊖ 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.
- ⊖ 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.
- ⊖ ELECTRICAL POC 120 VOLT ELECTRICAL POWER WITH DEDICATED CIRCUIT. PROVIDED BY ELECTRICIAN IF NEEDED, VERIFY ACTUAL LOCATION IN FIELD
- ⊖ WATER METER 1"

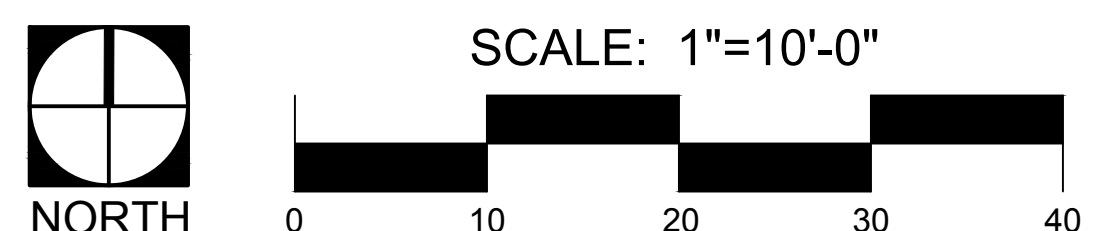


IRRIGATION CONTROLLER IN LOCKING PESTLE PER IRRIGATION SCHEDULE. VERIFY LOCATION WITH OWNER IN FIELD.

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



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



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

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

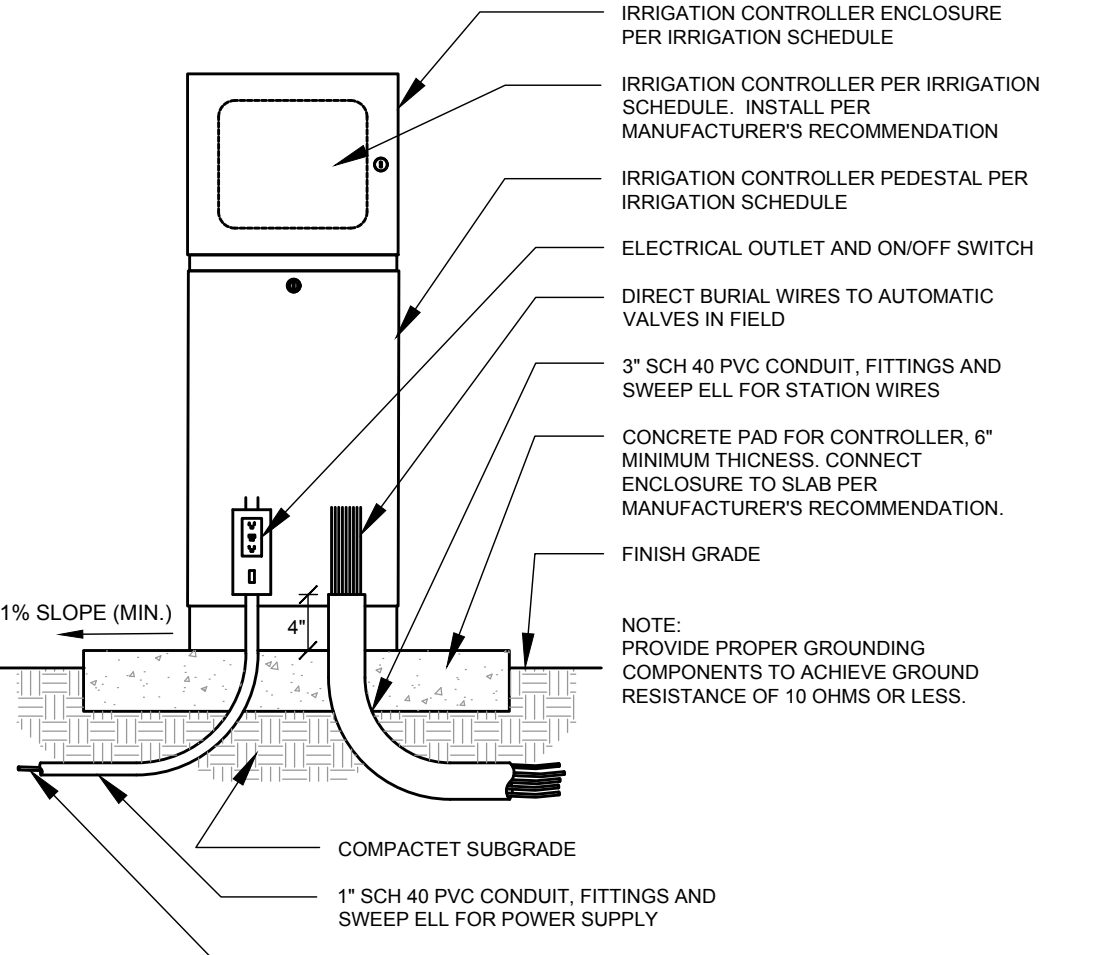
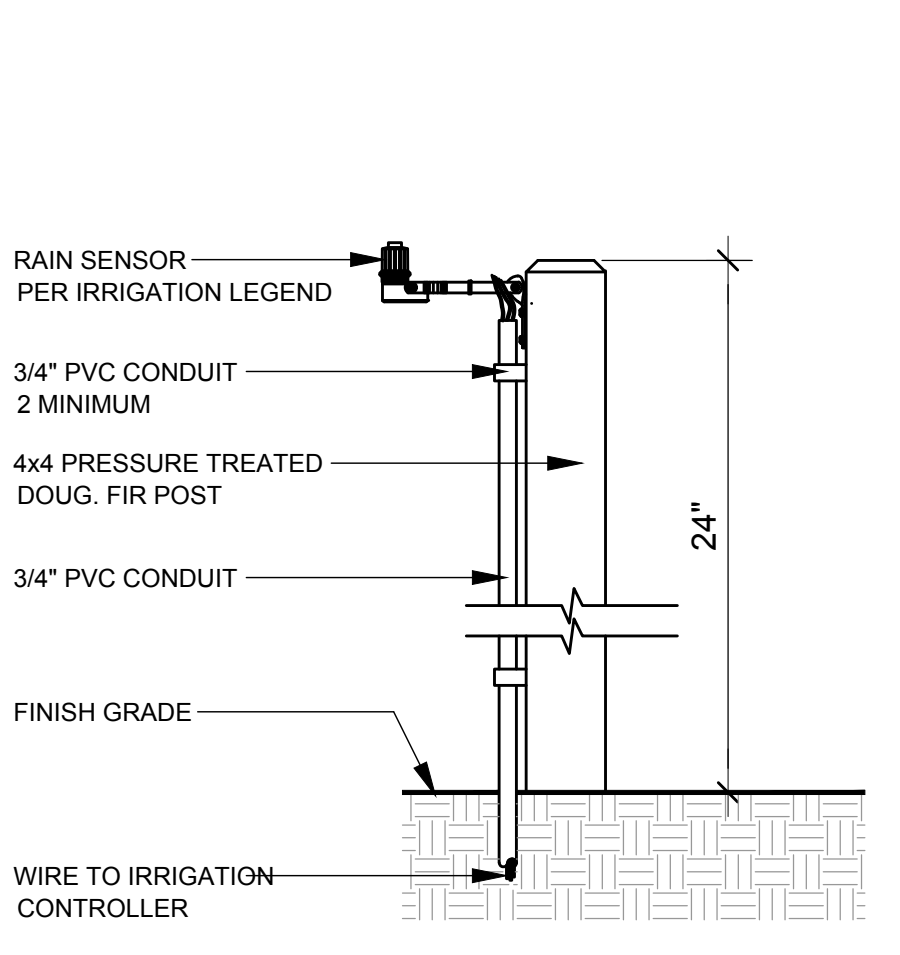
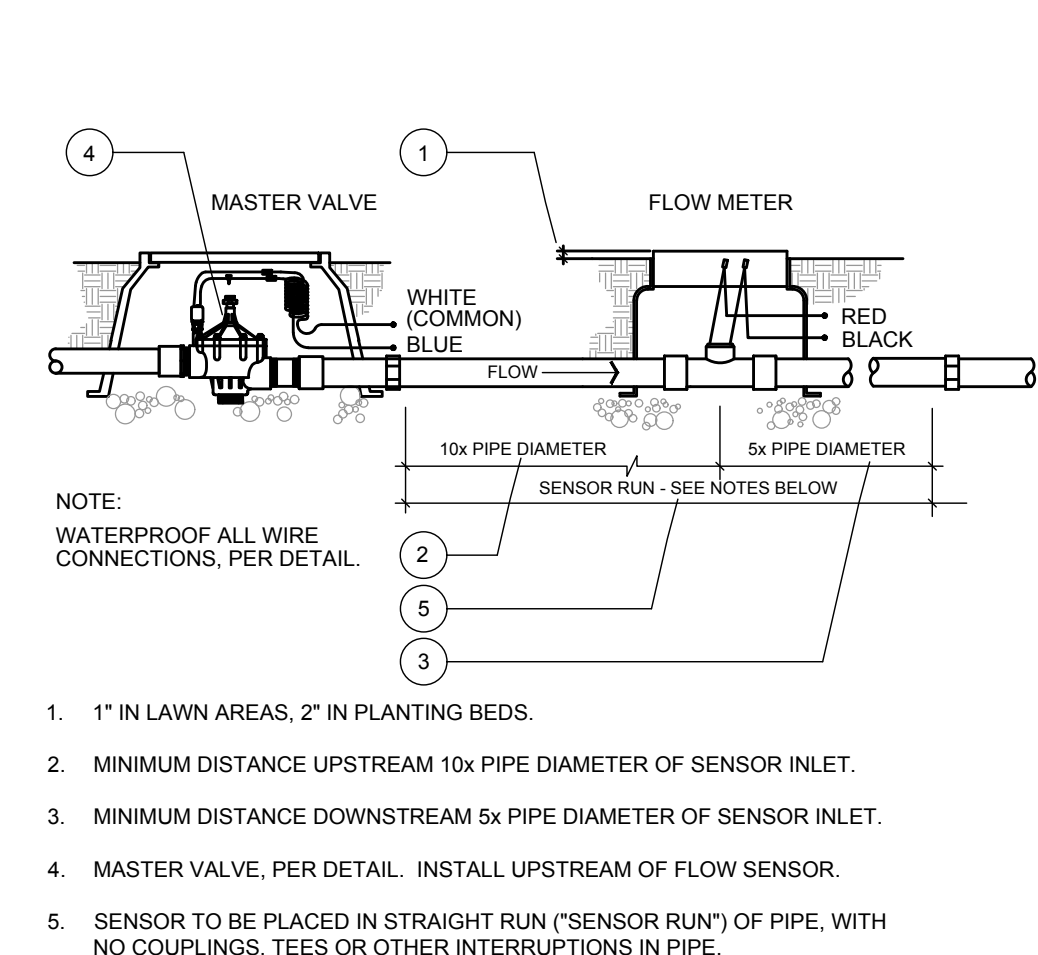
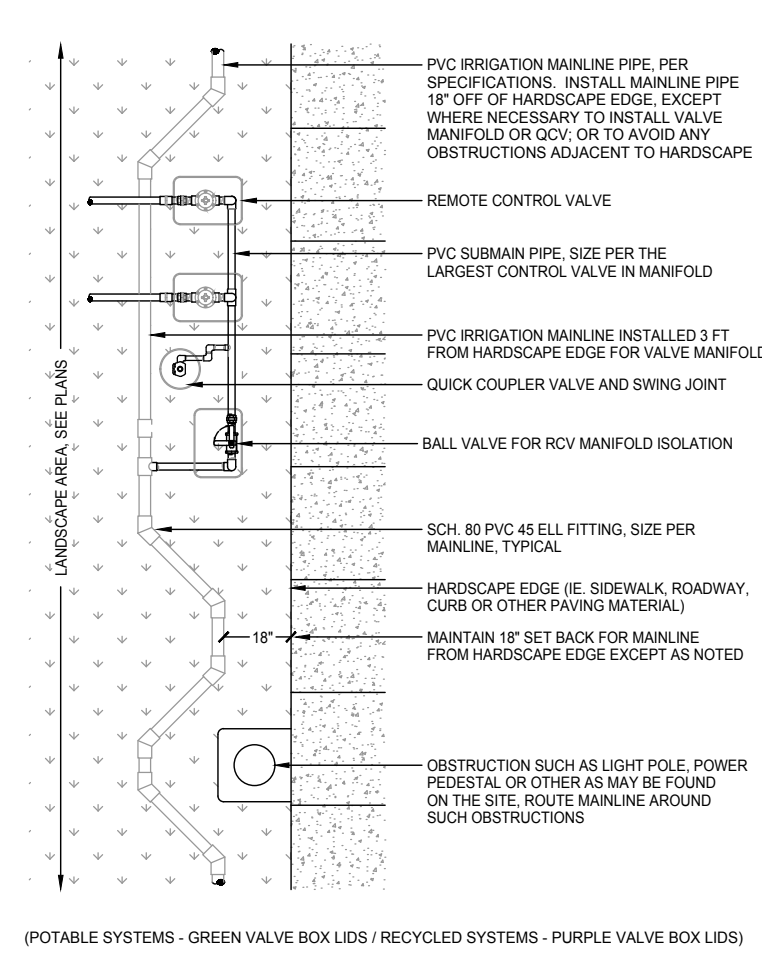
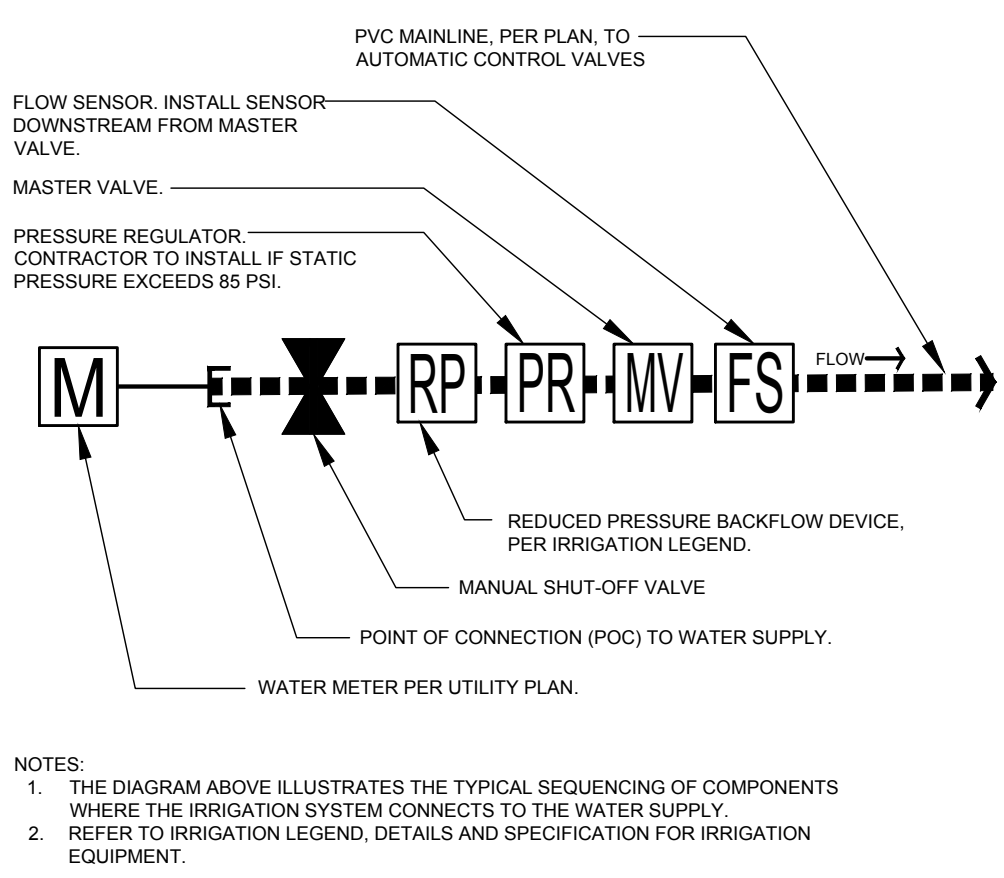
PROJECT:
CAMBRIA SKATE PARK
 MAIN STREET
 CAMBRIA, CALIFORNIA

ISSUED: 04/30/2025

PLAN SET 'B'

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

1 OF 6 SHEETS



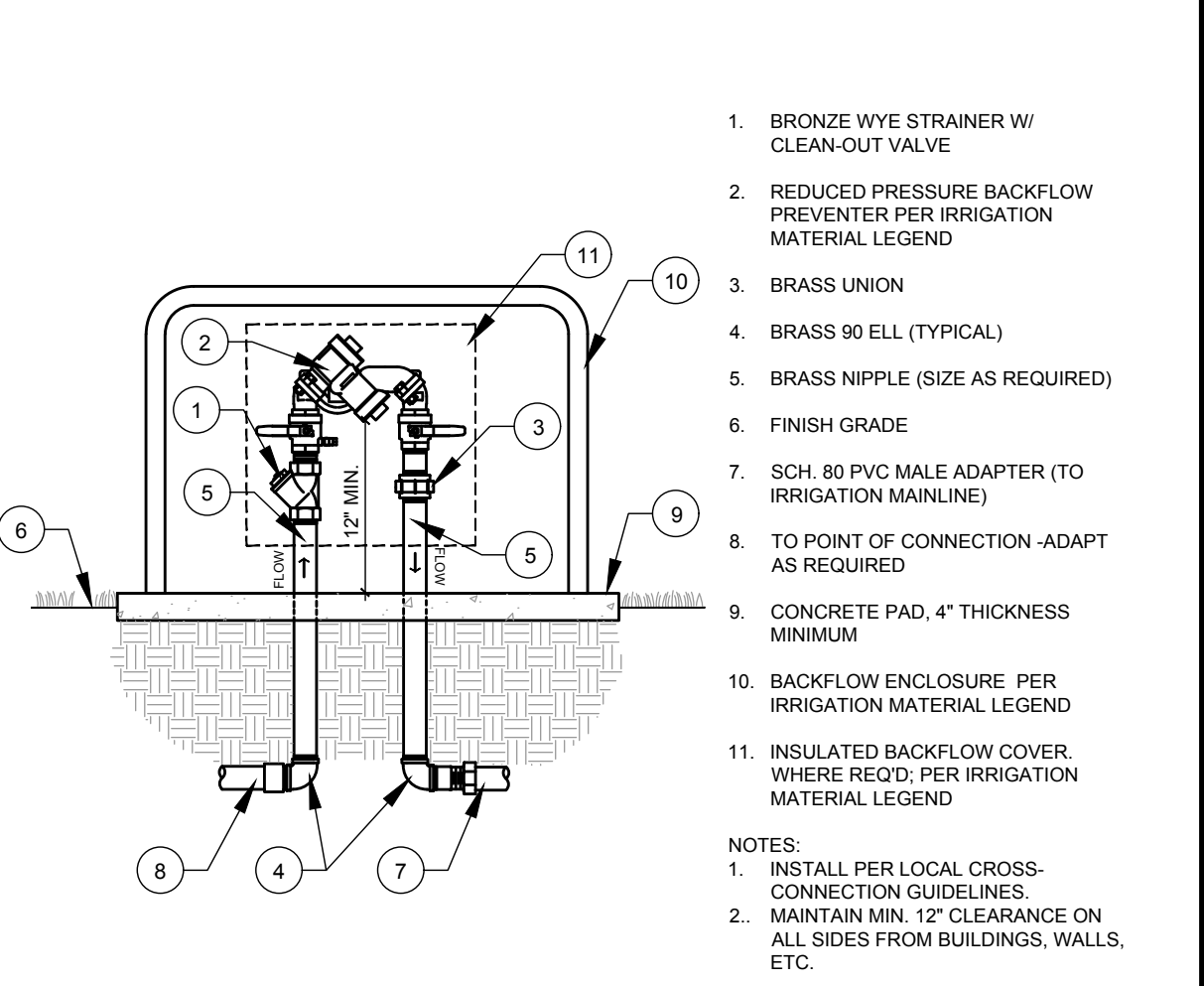
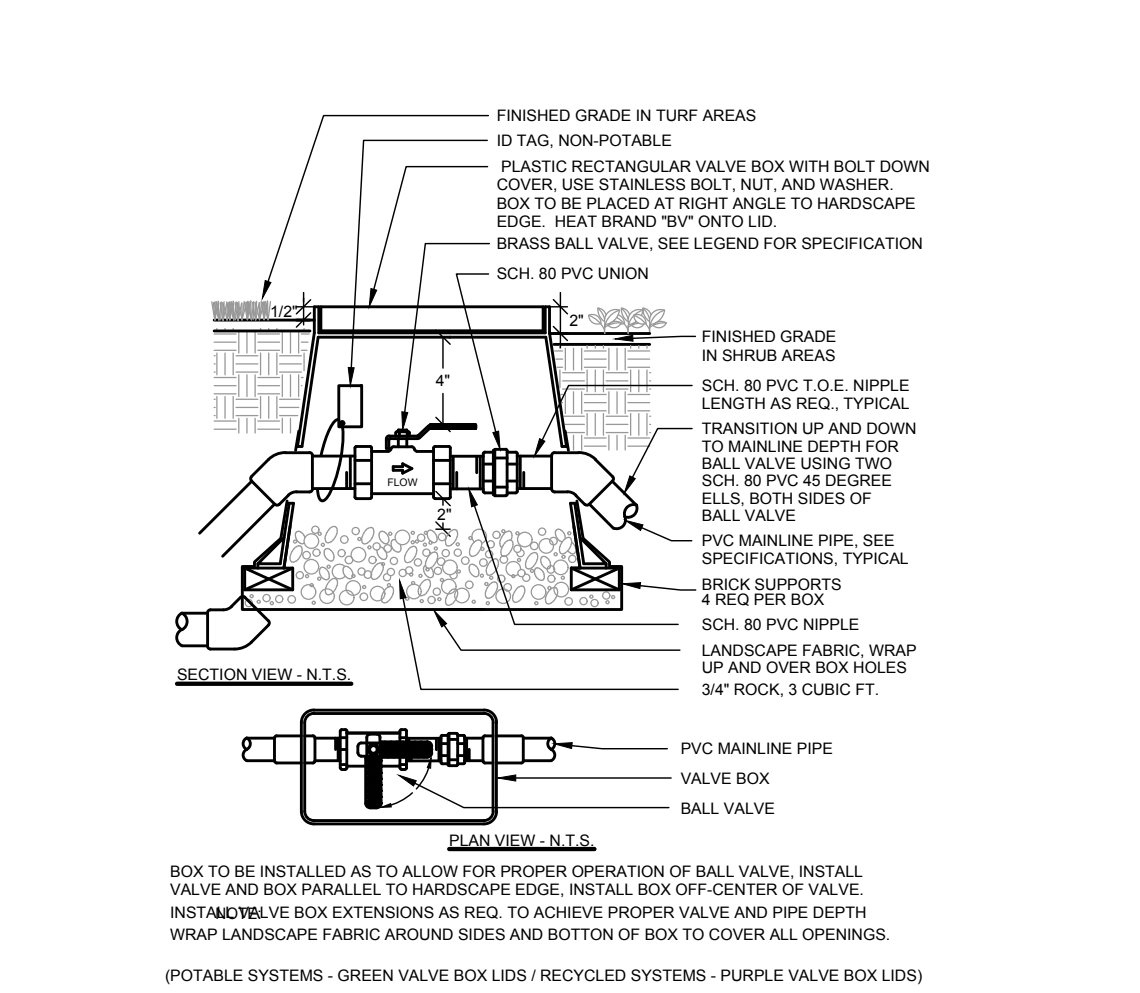
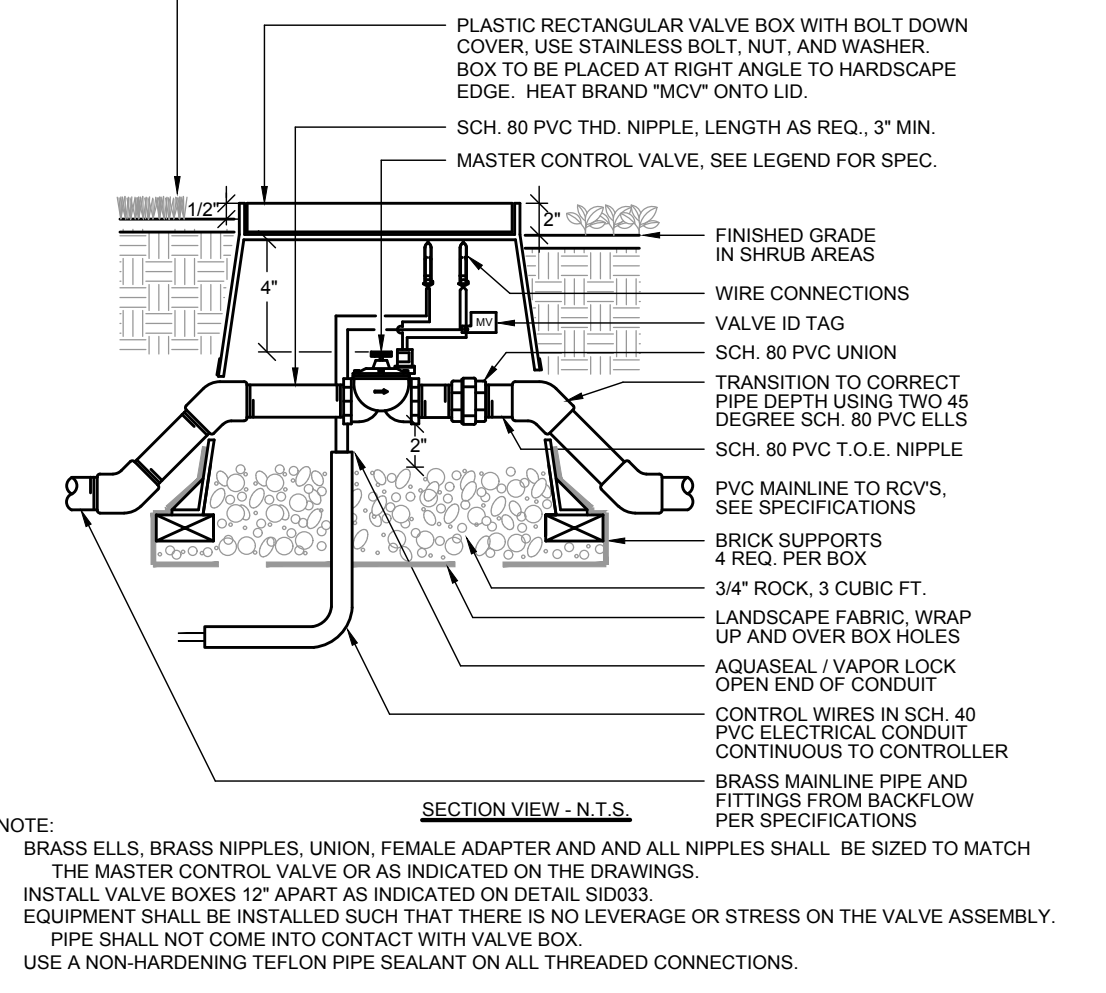
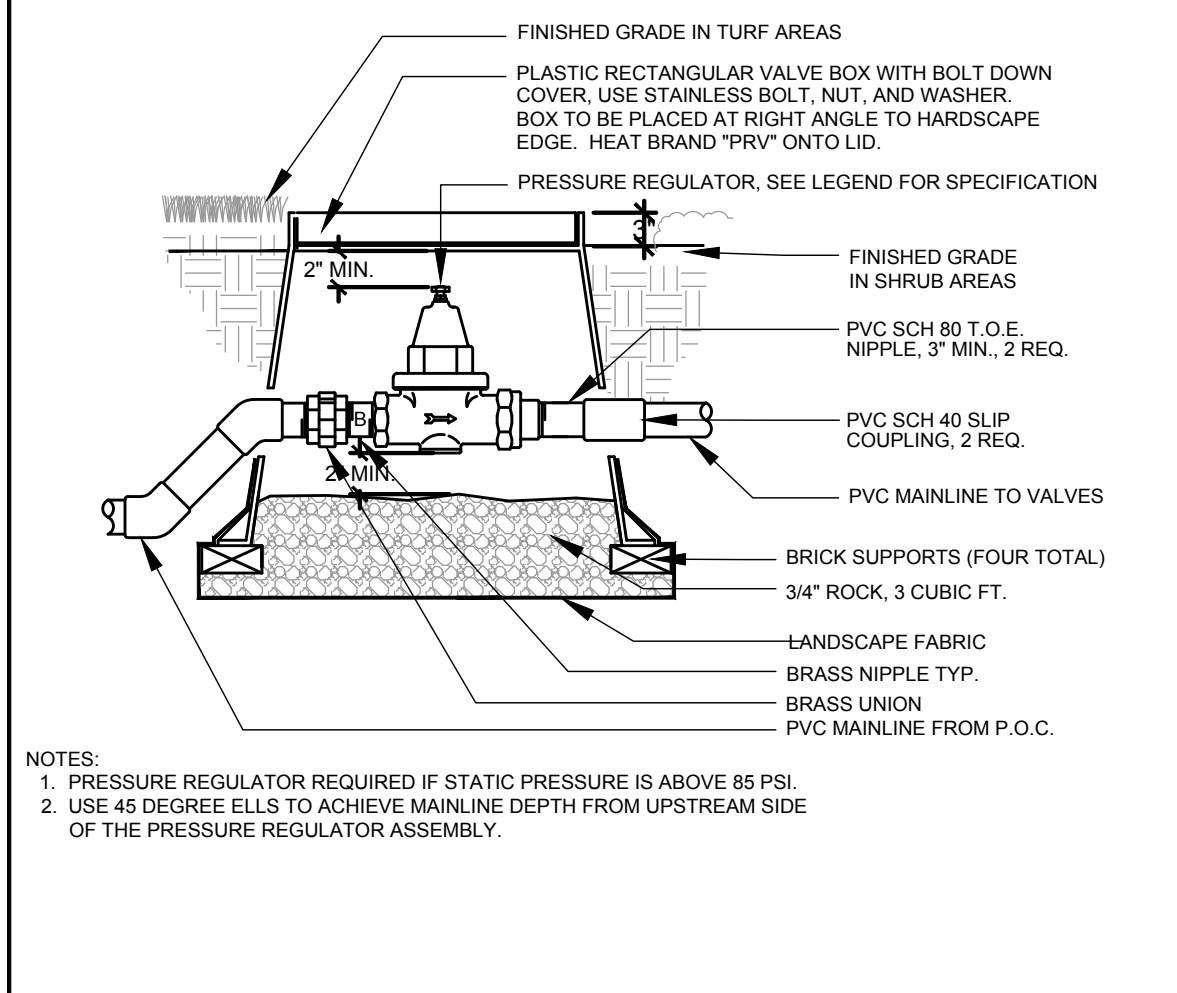
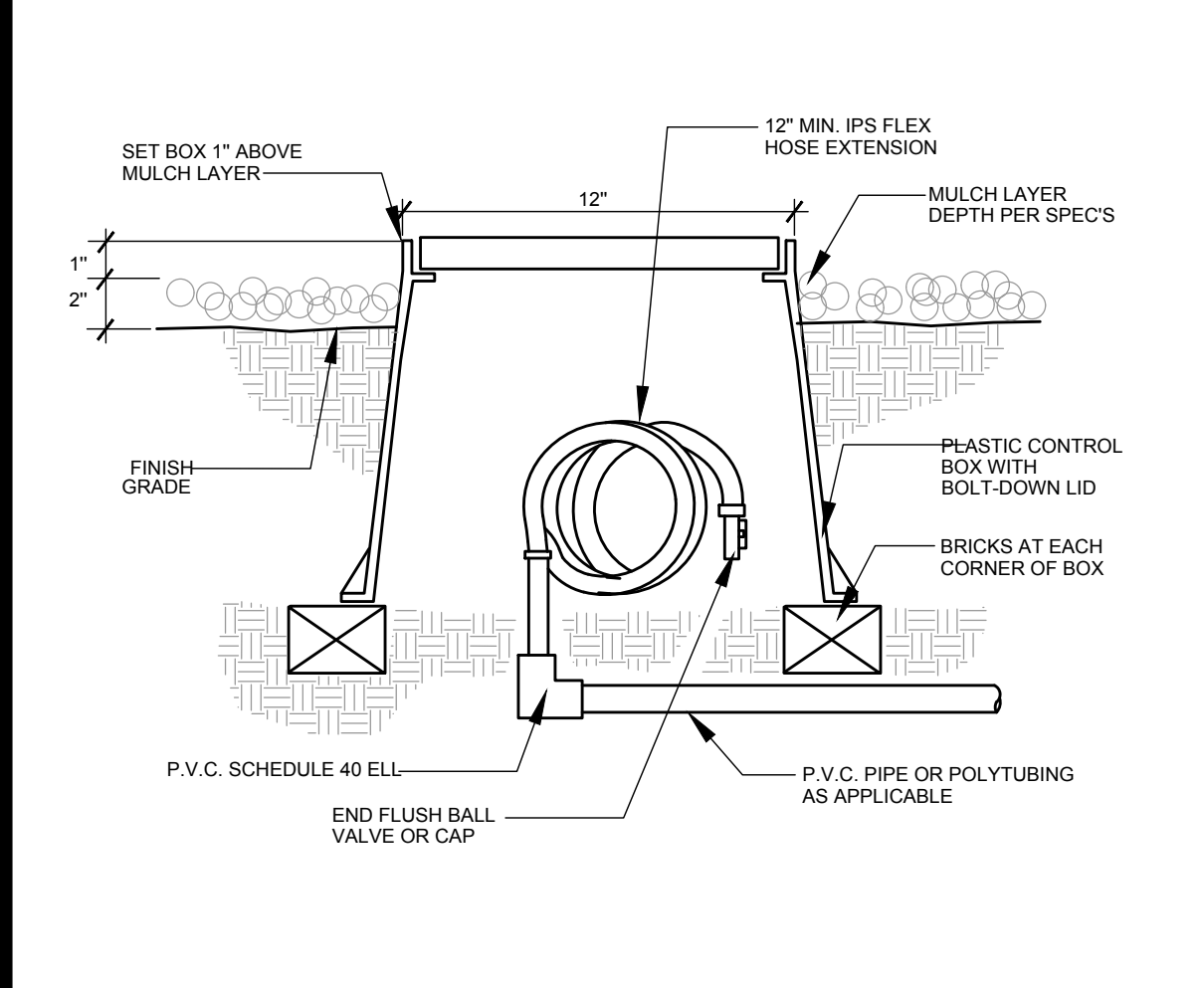
E POINT-OF-CONNECTION (P.O.C.)

D MAINLINE & VALVE LAYOUT

C FLOW SENSOR

B RAIN SENSOR (WIRED)

A CONTROLLER



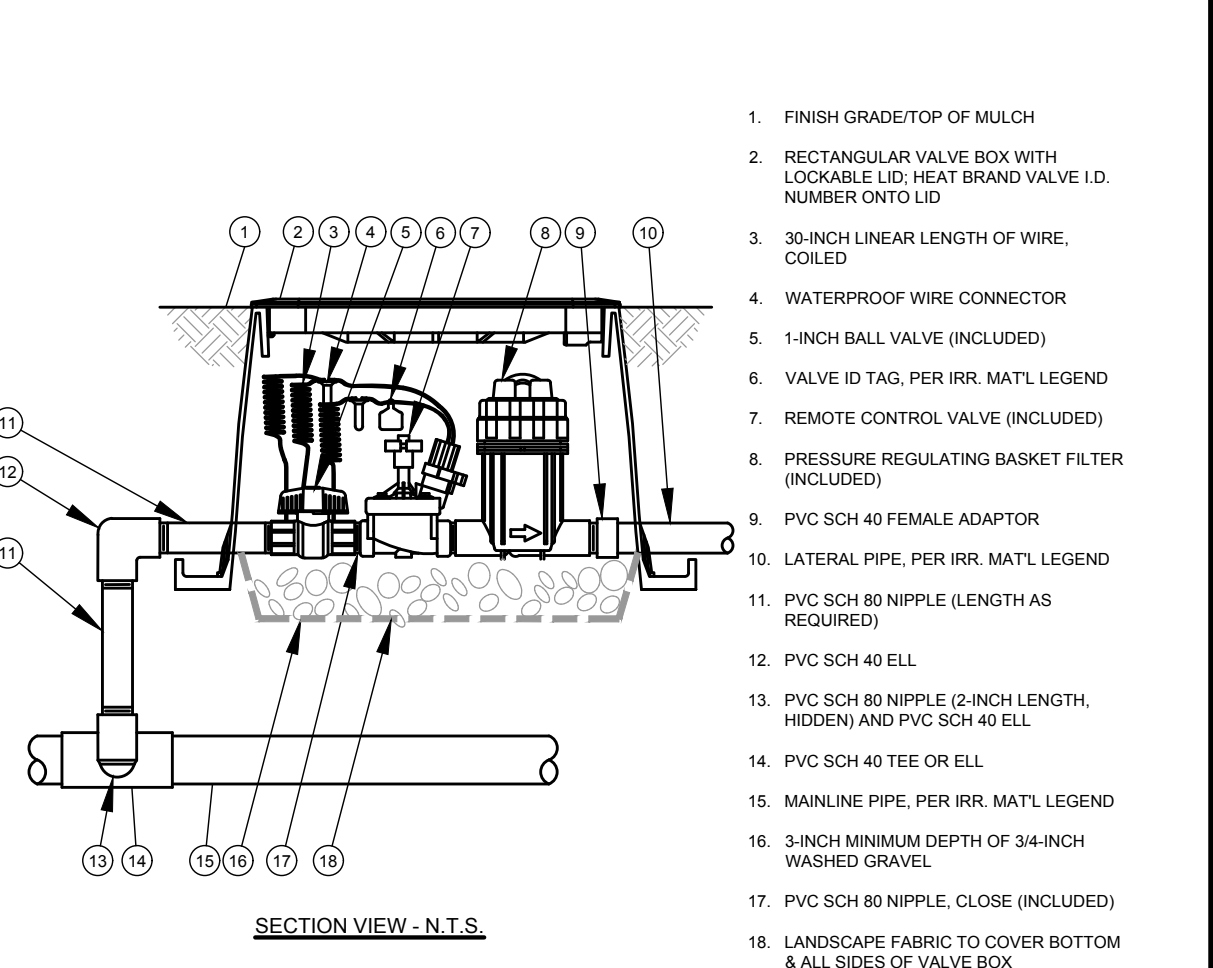
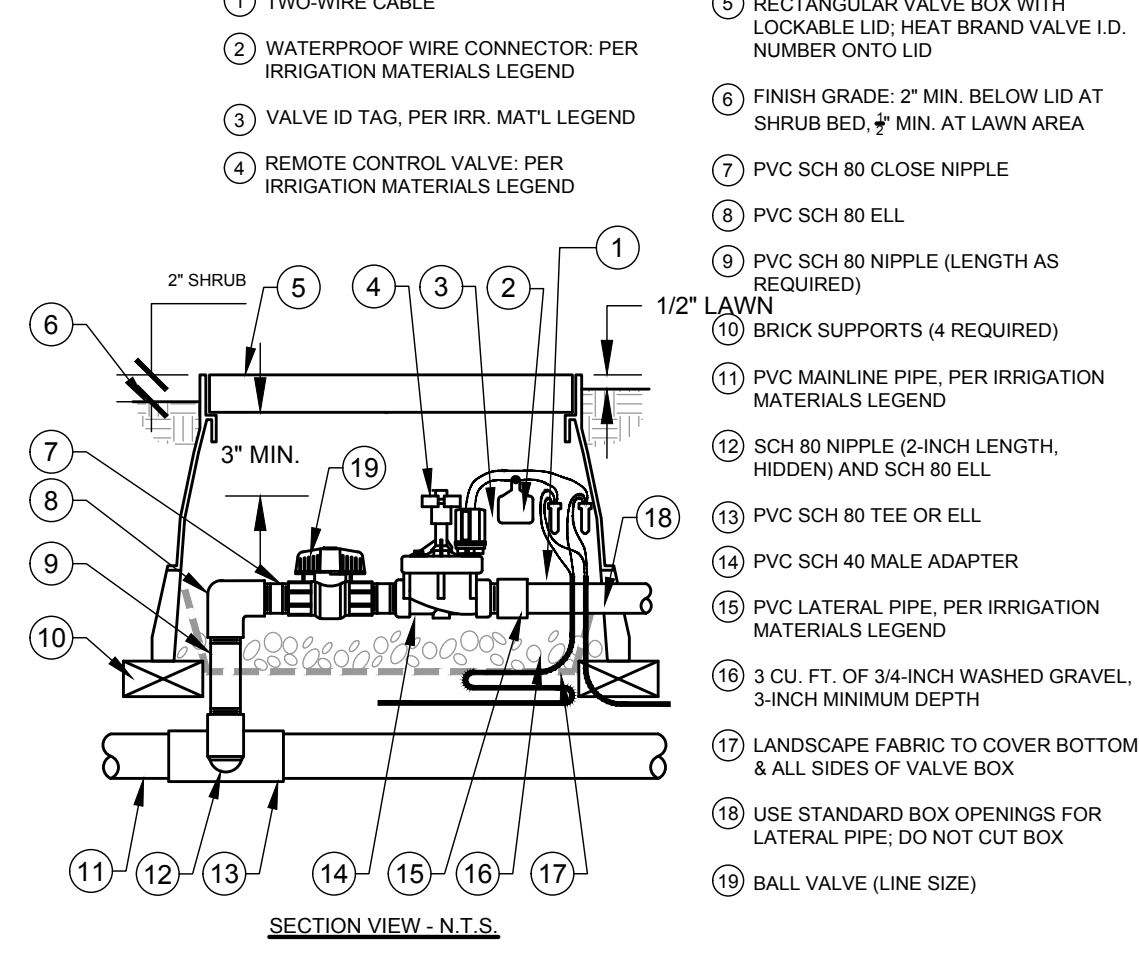
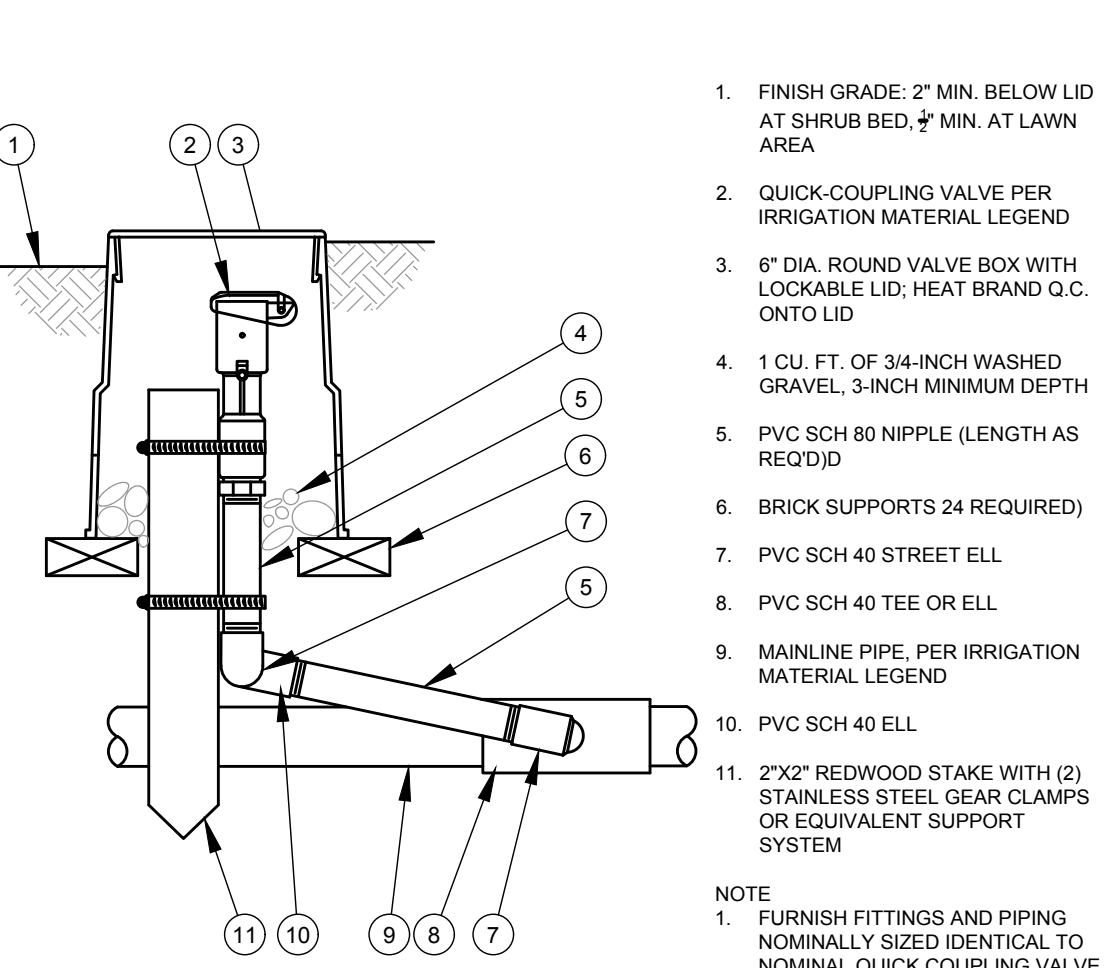
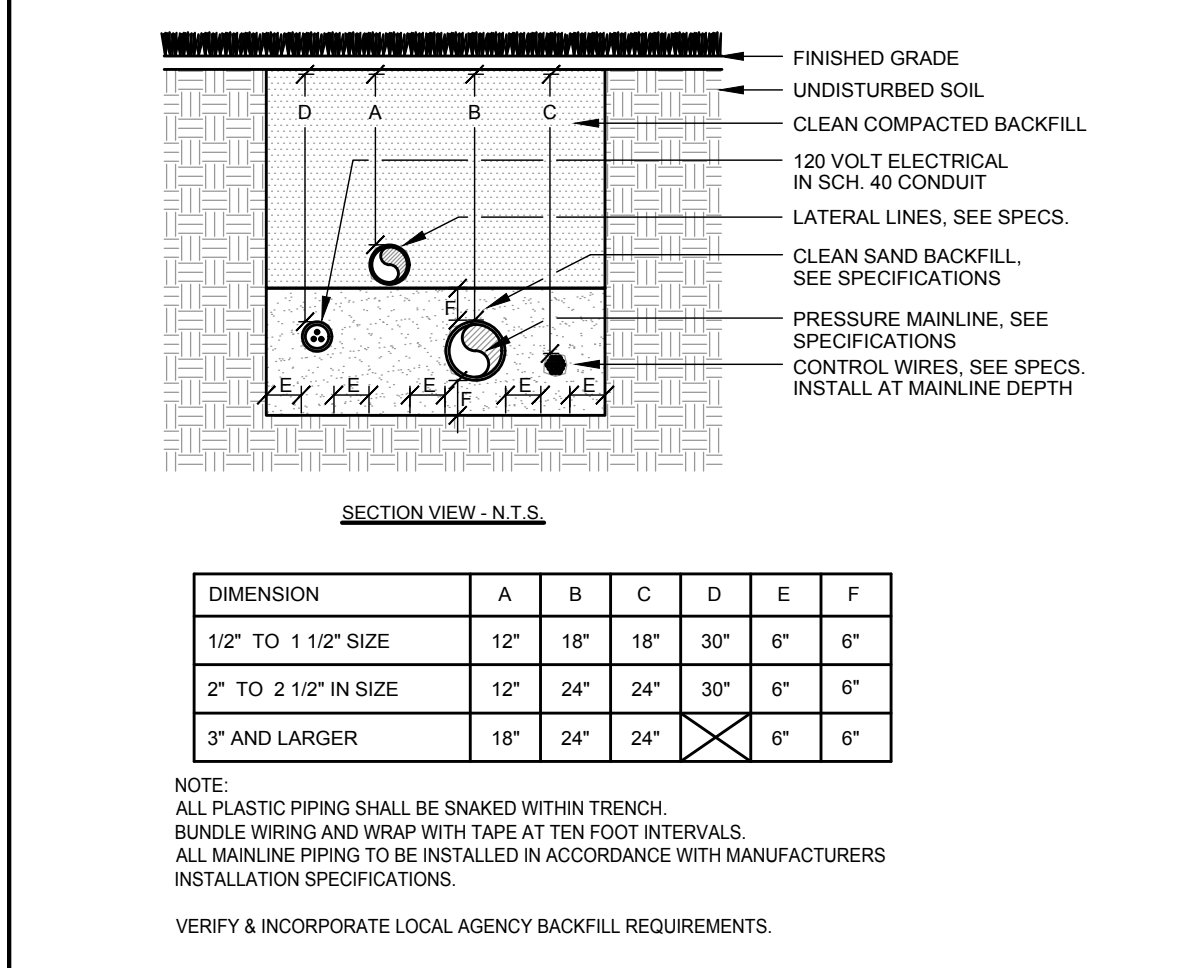
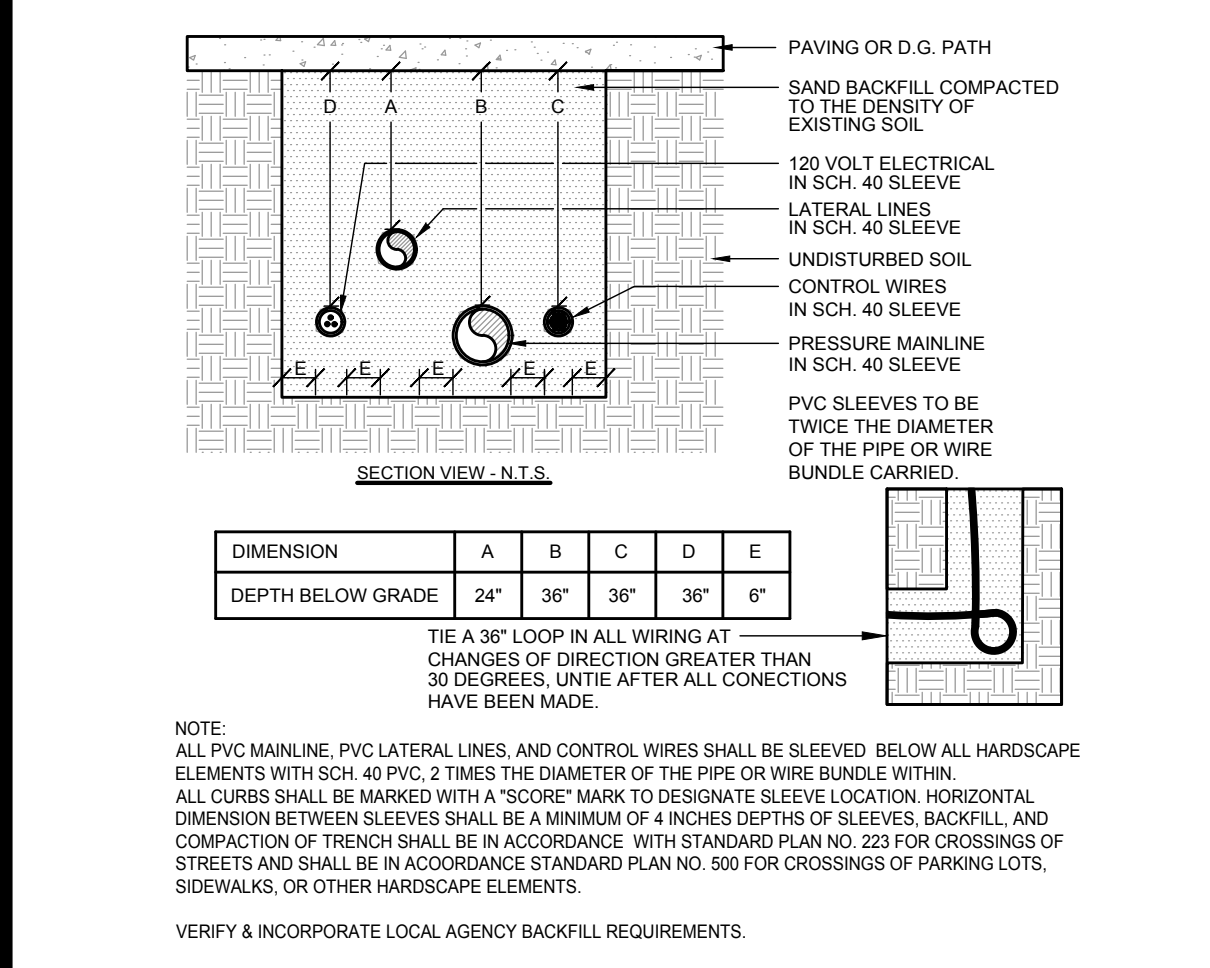
J DRIP FLUSH VALVE

I PRESSURE REGULATOR

H MASTER SHUT-OFF VALVE

G MANUAL SHUTOFF VALVE

F BACKFLOW PREVENTER (3/4" TO 2" SIZE)



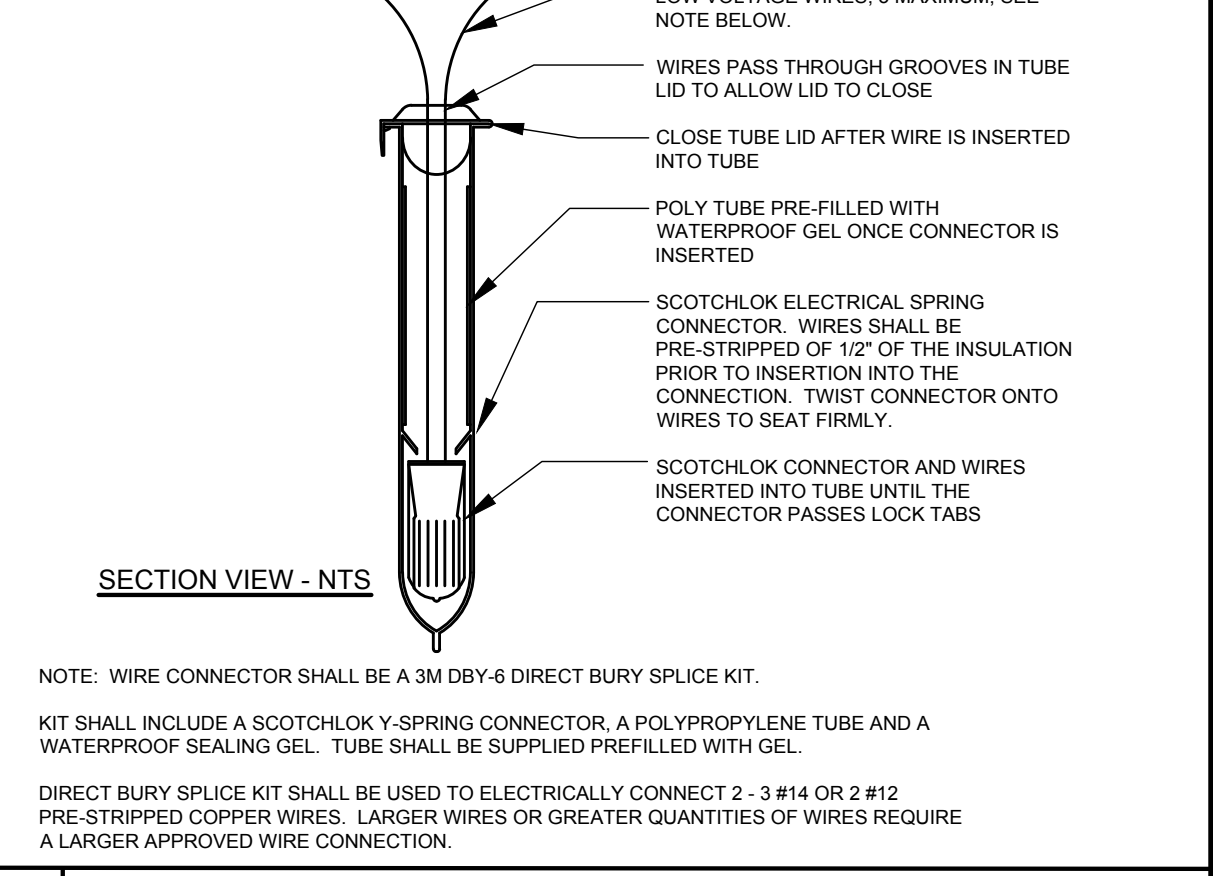
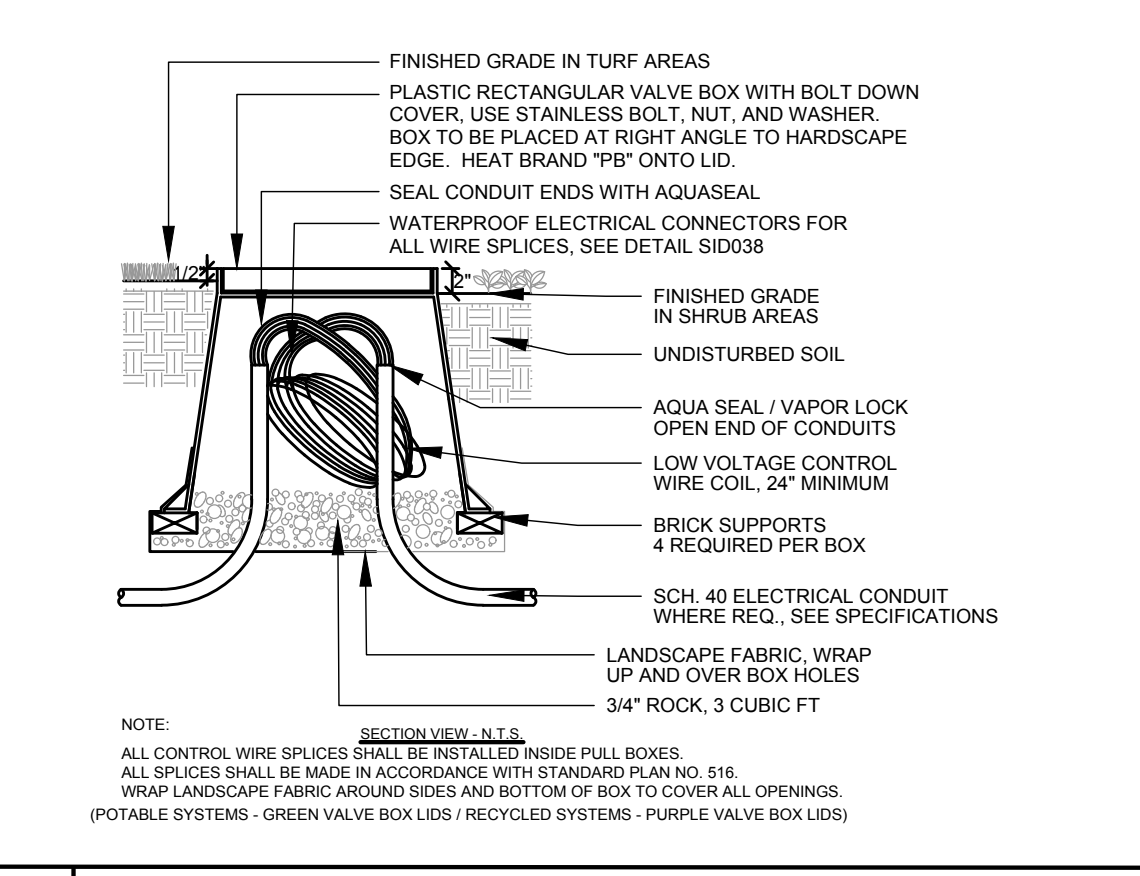
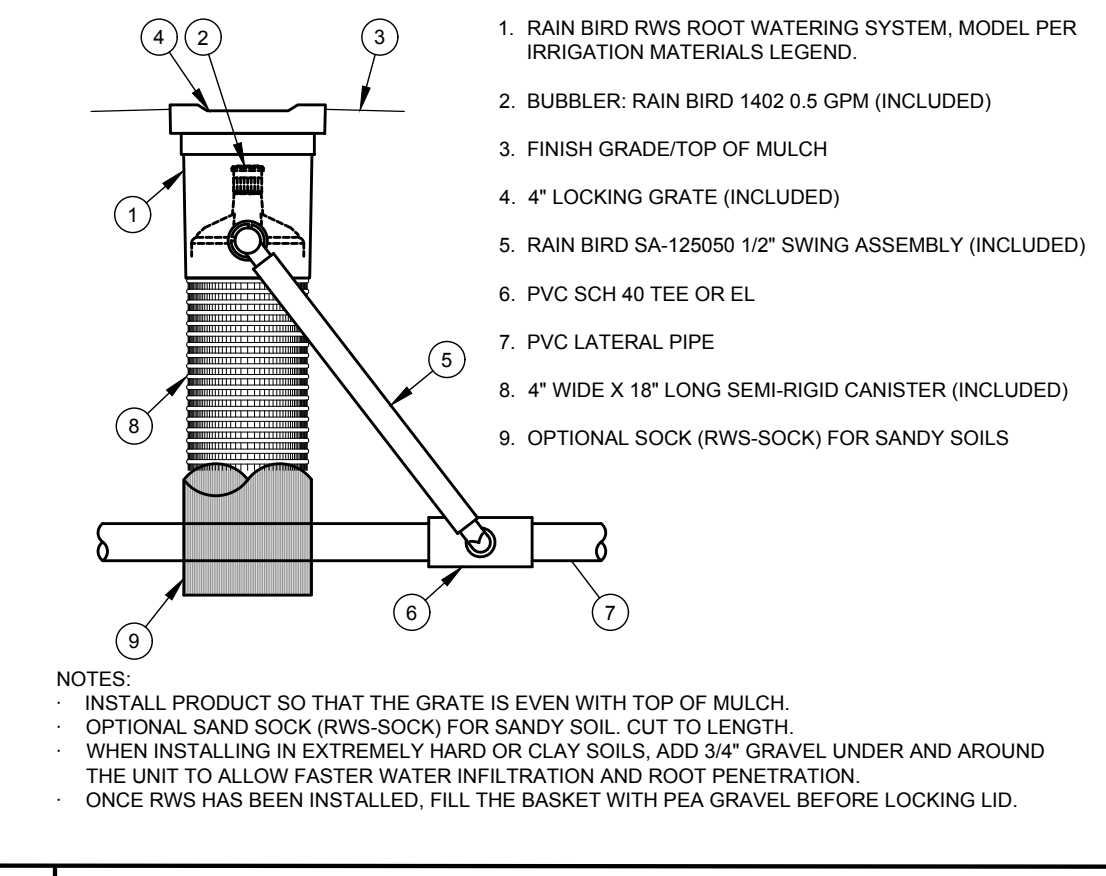
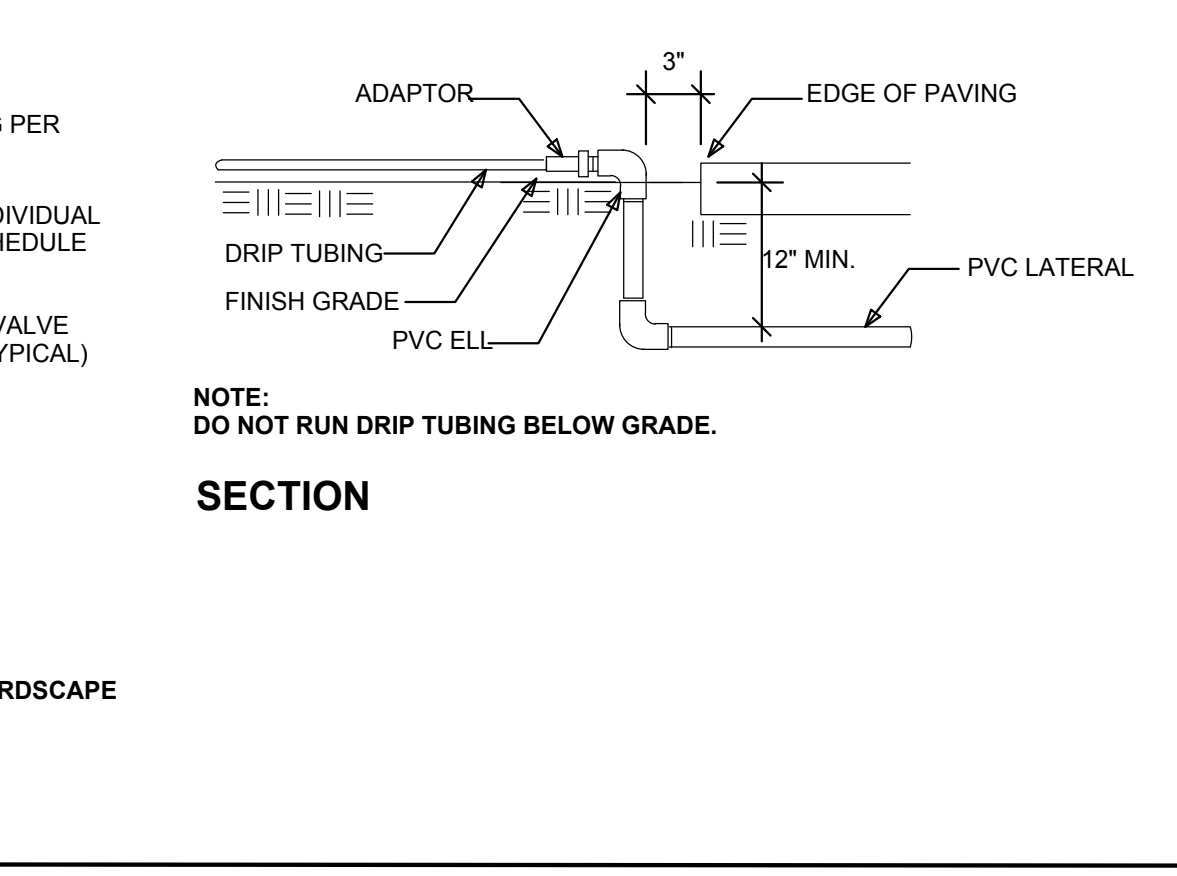
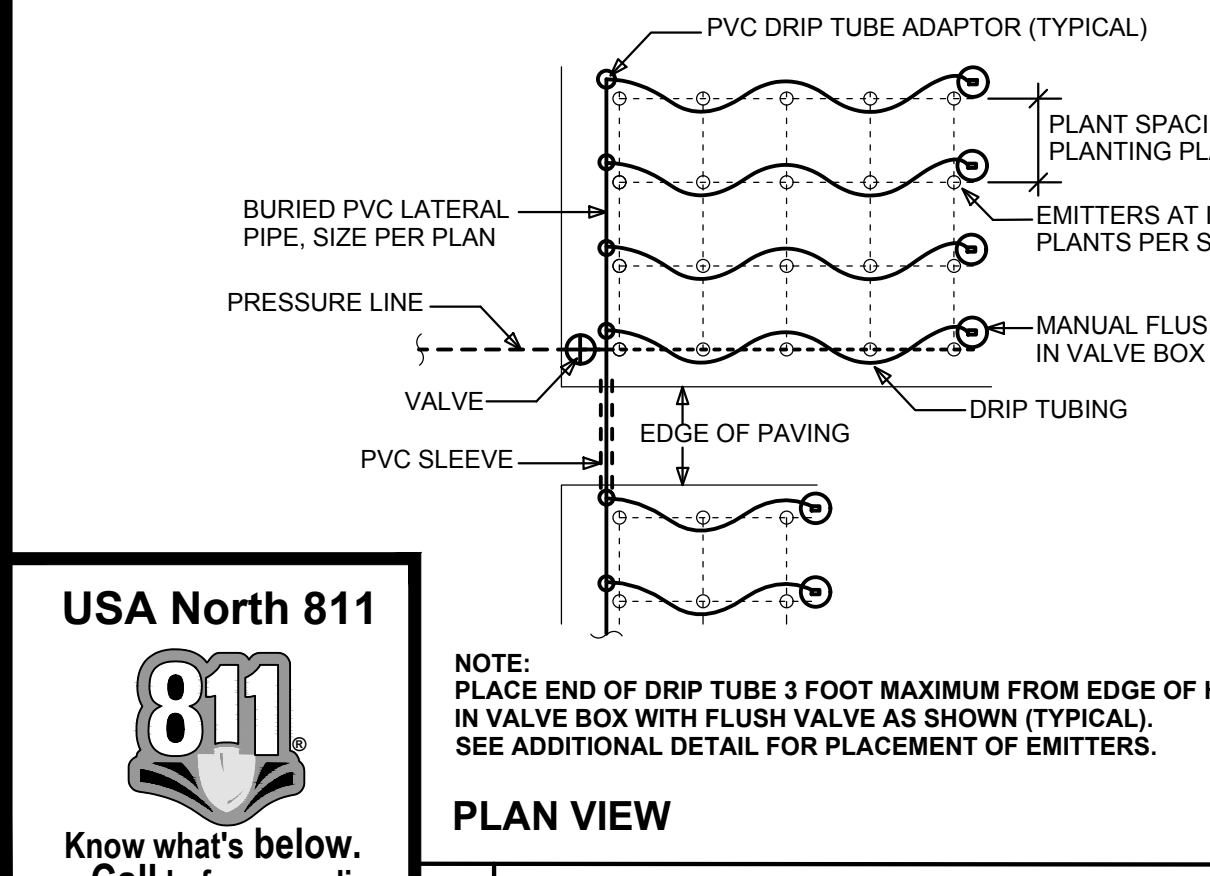
O SLEEVE INSTALLATION

N PIPE INSTALLATION

M QUICK COUPLER VALVE

L ELECTRIC CONTROL VALVE (BUBBLER)

K ELECTRIC CONTROL VALVE (DRIP)



T DRIP TUBING SCHEMATIC LAYOUT

R TREE BUBBLER (ROOT WATERING SYSTEM)

Q CONTROL WIRE PULL BOX

P WIRE CONNECTOR

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

REGISTERED LANDSCAPE ARCHITECT
State of California
12/31/2025
12/31/2025
04/30/2025
1000

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DATE	REVISION	DESCRIPTION
04/30/2025	1	plants per County list
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
	11	

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

IRRIGATION DETAILS

DESIGNED	JBLA
DRAWN	JBLA
CHECKED	JBLA
DATE	04/30/2025
JOB NO.	24-117
SHEET NUMBER	L-2

2 OF 6 SHEETS

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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 notify 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 D3091 - Joints for Plastic 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 pressurized with water when master control valve, if specified, is open.
- B. Lateral Line: Water delivery pipe downstream from remote control valve which is pressurized 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-ADV36V), 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 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. The Contractor'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:
 1. Provide a written statement indicating the reason for making the substitution.
 2. Provide catalog cut sheets, technical data, and performance information for each substitute item.
 3. Provide in writing the difference in installed price if the item is accepted.
 2. Record Drawings:
 1. Contractor will obtain a set of the project irrigation system drawings 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 details 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 buried equipment that does not have a utility box access from grade;
 - e. All controller and 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. Plastic.
 4. Submit and obtain approval of Landscape Architect or Owner prior to requesting final observation of irrigation system.

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. Contractor will furnish all drawings and specifications and drawings called 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.
- 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.
- 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. 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 observed utilities, the Contractor will immediately 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, provide safe access for such repairs, and 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 inspections.
- 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 be 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 install the Contractor's 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 warranted against all defects and fault of material and workmanship, including setting 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 setting 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, a result of the work.
- D. Warranty will be submitted on Contractor's own letterhead, as follows:

WARRANTY FOR SPRINKLER IRRIGATION SYSTEM

We hereby warrant 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 therefor 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 of 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.

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 elbows 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 milled 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 roppy. Solvent cementing will be in conformance with ASTM D2564 and ASTM D2855.

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.

LOW VOLTAGE CONTROL WIRING

1. Remote control wire will be direct-burial AWG-VUF 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. 1/2" 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.
 2. Contractor will coordinate the installation of all irrigation materials with all other work.
 3. 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 TRENCING

- 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.
1. Provide minimum cover of 8 inches on pressure supply lines.
 2. Provide minimum cover of 18 inches for control wires.
 3. Provide minimum cover of 36 inches on pressure supply lines under vehicular travel ways.
 4. Provide minimum cover of 12 inches for lateral (non-pressure) lines.
 5. 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 on 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, garrison discharge, and proper and adequate distribution of the water over the coverage pattern of the nozzle, 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 instructions.
 - b. Along walks and driveways where finished grade is established, set all heads one-quarter inch (1/4") 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 on 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 and pressure supply lines are 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 planned area 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 operations commence.
- 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

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

REGISTERED LANDSCAPE ARCHITECT
State of California
12/31/2025
Renewal Date 04/30/2025
J. Burrows

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GENERAL PLANTING NOTES

- 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 notes and plans, the specifications shall prevail.
- 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.
- 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.
- 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.
- 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).
- 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.
- 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.
- Plant materials shall not interfere with utilities and traffic sight lines.
- 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.
- 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).
- All planting areas to receive mulch layer, at depth specified, per legend and specifications.
- 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).
- Contractor to warranty all work under these plans and specifications per section 3.10 WARRANTY (A).

EXISTING TREE PROTECTION NOTES

- TREE PROTECTION FENCE NOTES**
- 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.
 - 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.
 - WEATHER-RESISTANT SIGN TO BE POSTED ON FENCE. SIGN SHALL READ "NO ENTRY-TREE PROTECTION AREA."
- TREE PROTECTION GUIDELINES:**
- ANY REQUIRED TRENCHING SHOULD BE ROUTED IN A MANNER THAT MINIMIZES ROOT DAMAGE.
 - ALL WORK CONDUCTED IN THE GROUND WITHIN THE ROOT PROTECTION AREA OF ANY PROTECTED TREE SHOULD BE ACCOMPLISHED WITH HAND TOOLS.
 - CONSTRUCTION ACTIVITY SHOULD BE DIVERTED FROM THE CRITICAL ROOT ZONE. CUTTING OF ROOTS SHOULD BE AVOIDED (I.E., PLACE PIPES AND CABLES BELOW UNCLUT ROOTS).
 - 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.
 - NO CONSTRUCTION STAGING OR DISPOSAL OF CONSTRUCTION MATERIALS OR BYPRODUCTS IS ALLOWED WITHIN THE CRITICAL ROOT ZONE.
 - 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:

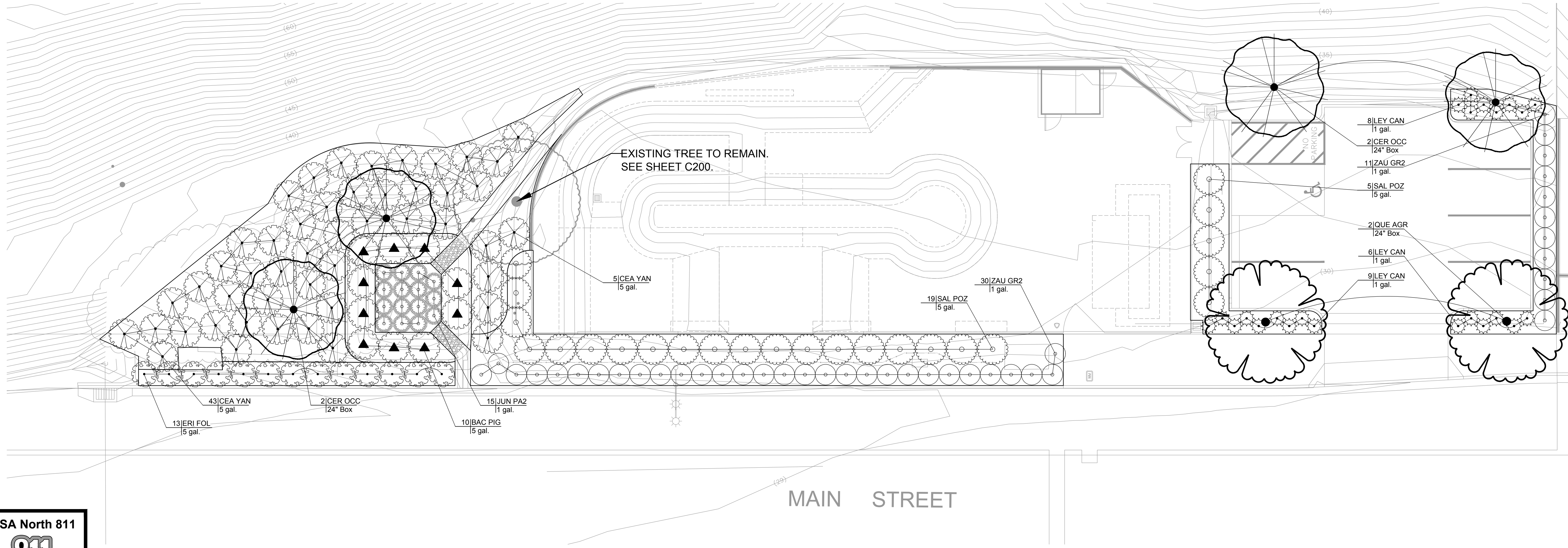
I HAVE COMPLIED WITH THE CRITERIA OF THE CALIFORNIA WATER EFFICIENT LANDSCAPE ORDINANCE 1881 AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

Jim Burrows
 JIM BURROWS, CLA #2737
 APRIL 2025

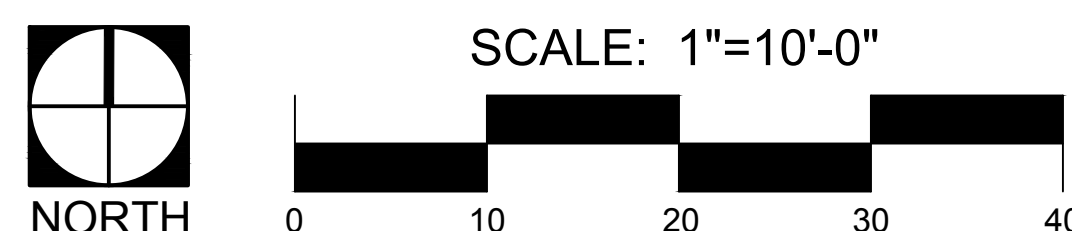
- NOTES:**
- JUTE MESH**
 CONTRACTOR TO INSTALL JUTE MESH ON ALL SLOPES 2:1 OR STEEPER. INSTALL PRIOR TO INSTALLATION OF DRIP TUBING & EMITTERS, AND AFTER TRENCHING & INSTALLATION OF ROTOR / SPRAY IRRIGATION.
- MULCH**
 MULCH ALL GROUND COVER AND PLANTER AREAS (EXCEPT WHERE JUTE MESH IS INSTALLED) WITH 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 IN 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
SHRUBS						
	BAC PIG	BACCHARIS PILLULARIS '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	GROUND COVER



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



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

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

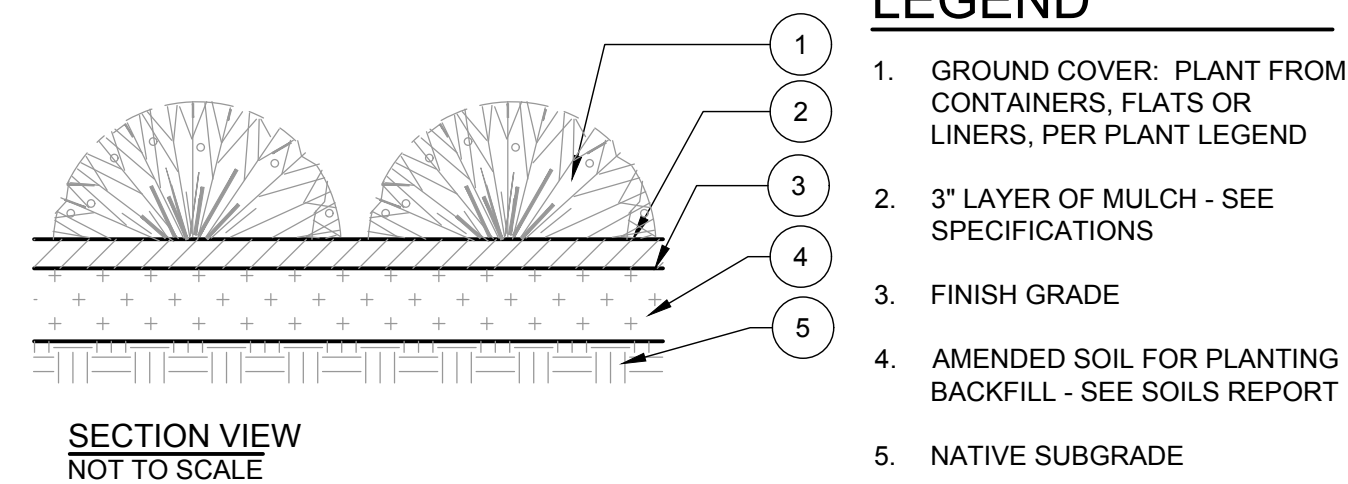
PROJECT:
 CAMBRIA SKATE PARK
 MAIN STREET
 CAMBRIA, CALIFORNIA

ISSUED: 04/30/2025

PLAN SET 'B'

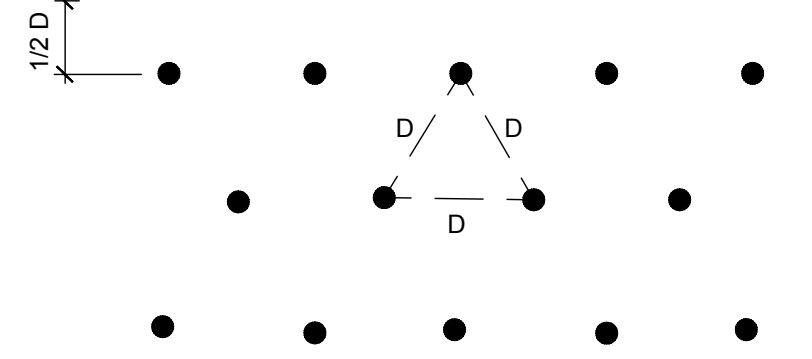
DESIGNED	JBLA
DRAWN	JBLA
CHECKED	JBLA
DATE	04/30/2025
JOB NO.	24-117
SHEET NUMBER	L-4

4 OF 6 SHEETS



- LEGEND**
- GROUND COVER: PLANT FROM CONTAINERS, FLATS OR LINERS, PER PLANT LEGEND
 - 3" LAYER OF MULCH - SEE SPECIFICATIONS
 - FINISH GRADE
 - AMENDED SOIL FOR PLANTING BACKFILL - SEE SOILS REPORT
 - NATIVE SUBGRADE

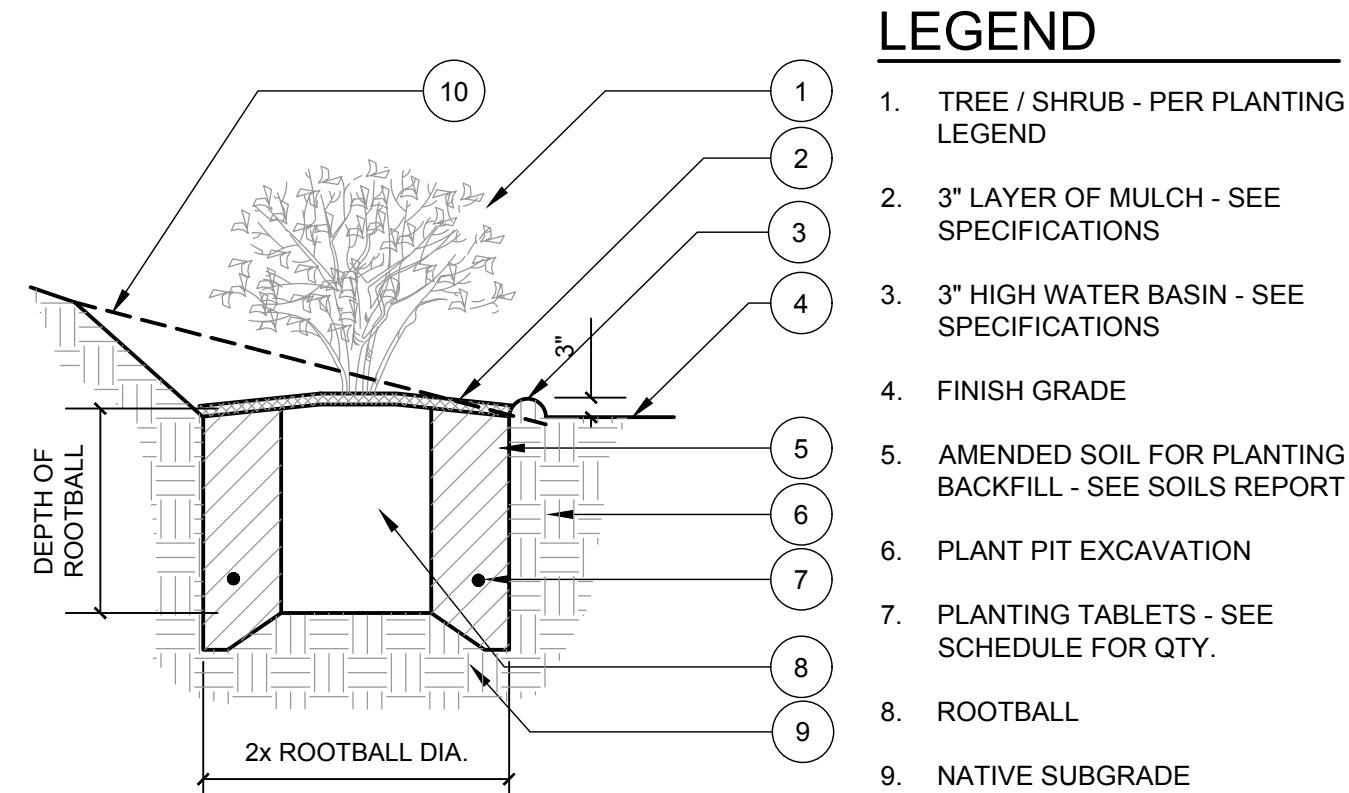
EDGE OF PLANTING / SIDEWALK / WALKWAY / CURB



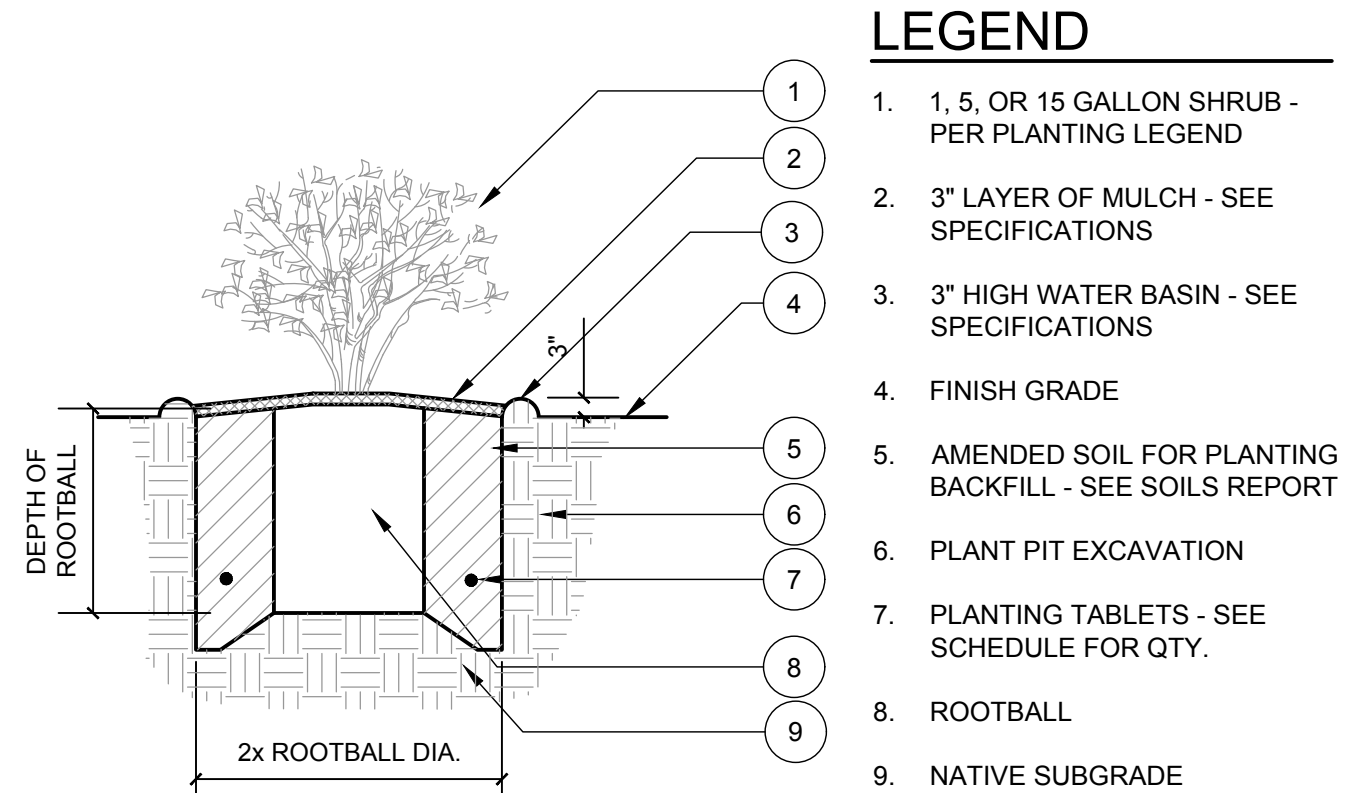
NOTE

LOCATE PLANTS EQUAL DISTANCE (D) FROM EACH OTHER AS SHOWN.

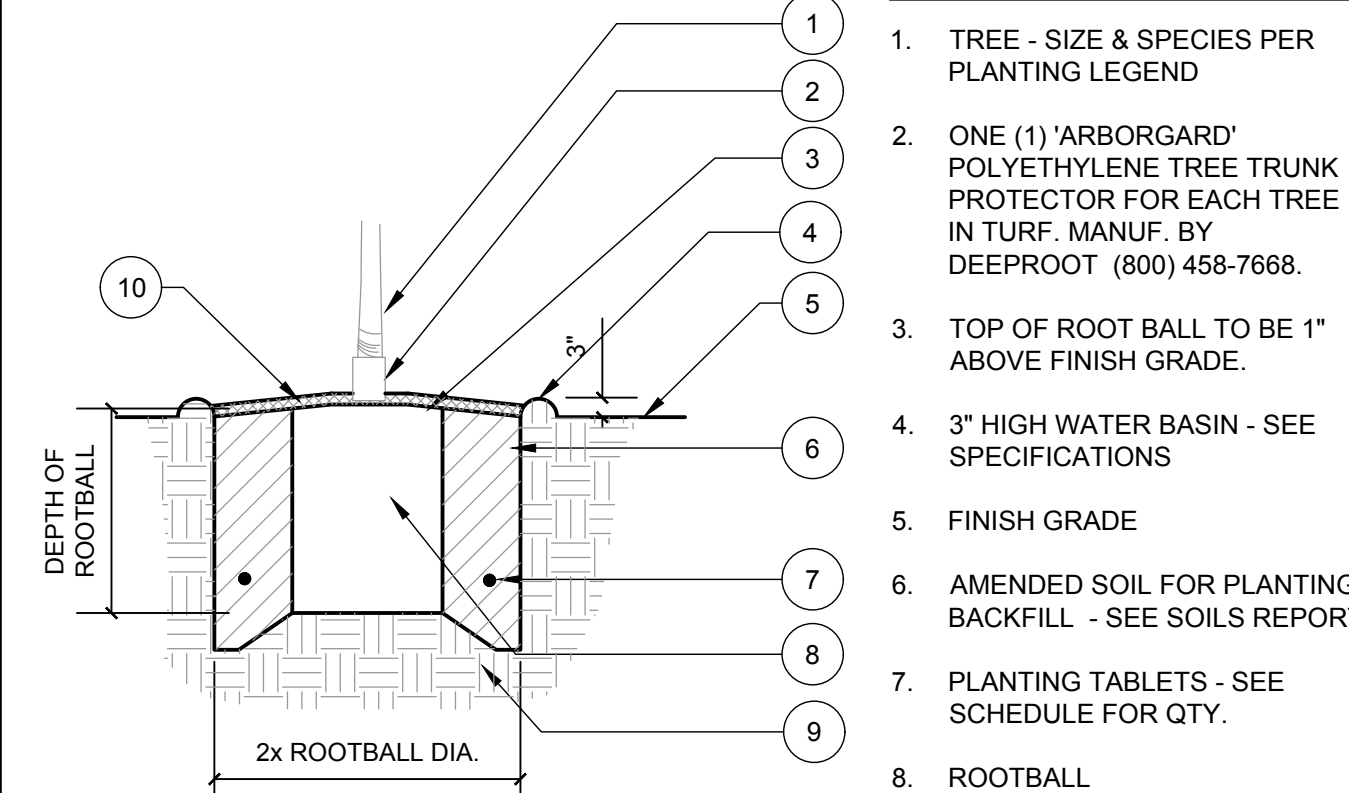
D = SPACING IS PER SPECIES AS DESIGNATED IN PLANT MATERIAL LIST.



- LEGEND**
- TREE / SHRUB - PER PLANTING LEGEND
 - 3" LAYER OF MULCH - SEE SPECIFICATIONS
 - 3" HIGH WATER BASIN - SEE SPECIFICATIONS
 - FINISH GRADE
 - AMENDED SOIL FOR PLANTING BACKFILL - SEE SOILS REPORT
 - PLANT PIT EXCAVATION
 - PLANTING TABLETS - SEE SCHEDULE FOR QTY.
 - ROOTBALL
 - NATIVE SUBGRADE
 - EXISTING SLOPE



- LEGEND**
- 1, 5, OR 15 GALLON SHRUB - PER PLANTING LEGEND
 - 3" LAYER OF MULCH - SEE SPECIFICATIONS
 - 3" HIGH WATER BASIN - SEE SPECIFICATIONS
 - FINISH GRADE
 - AMENDED SOIL FOR PLANTING BACKFILL - SEE SOILS REPORT
 - PLANT PIT EXCAVATION
 - PLANTING TABLETS - SEE SCHEDULE FOR QTY.
 - ROOTBALL
 - NATIVE SUBGRADE



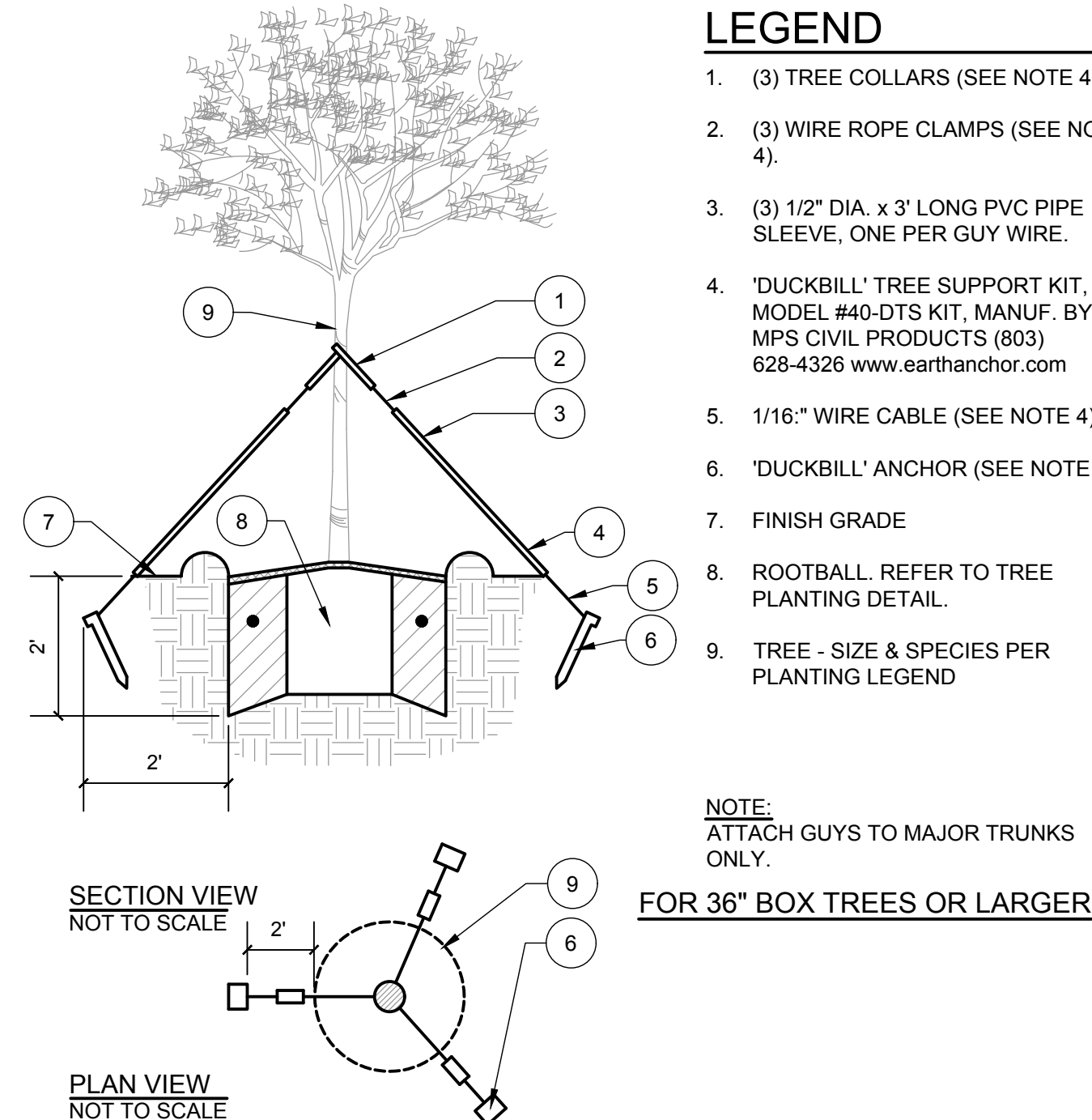
- LEGEND**
- TREE - SIZE & SPECIES PER PLANTING LEGEND
 - ONE (1) 'ARBORGARD' POLYETHYLENE TREE TRUNK PROTECTOR FOR EACH TREE IN TURF, MANUF. BY DEEPROOT (800) 458-7668.
 - TOP OF ROOT BALL TO BE 1" ABOVE FINISH GRADE.
 - 3" HIGH WATER BASIN - SEE SPECIFICATIONS
 - FINISH GRADE
 - AMENDED SOIL FOR PLANTING BACKFILL - SEE SOILS REPORT
 - PLANTING TABLETS - SEE SCHEDULE FOR QTY.
 - ROOTBALL
 - NATIVE SUBGRADE
 - 3" LAYER OF MULCH - SEE SPECIFICATIONS

D GROUND COVER PLANTING

C TREE & SHRUB PLANTING ON SLOPE

B SHRUB PLANTING

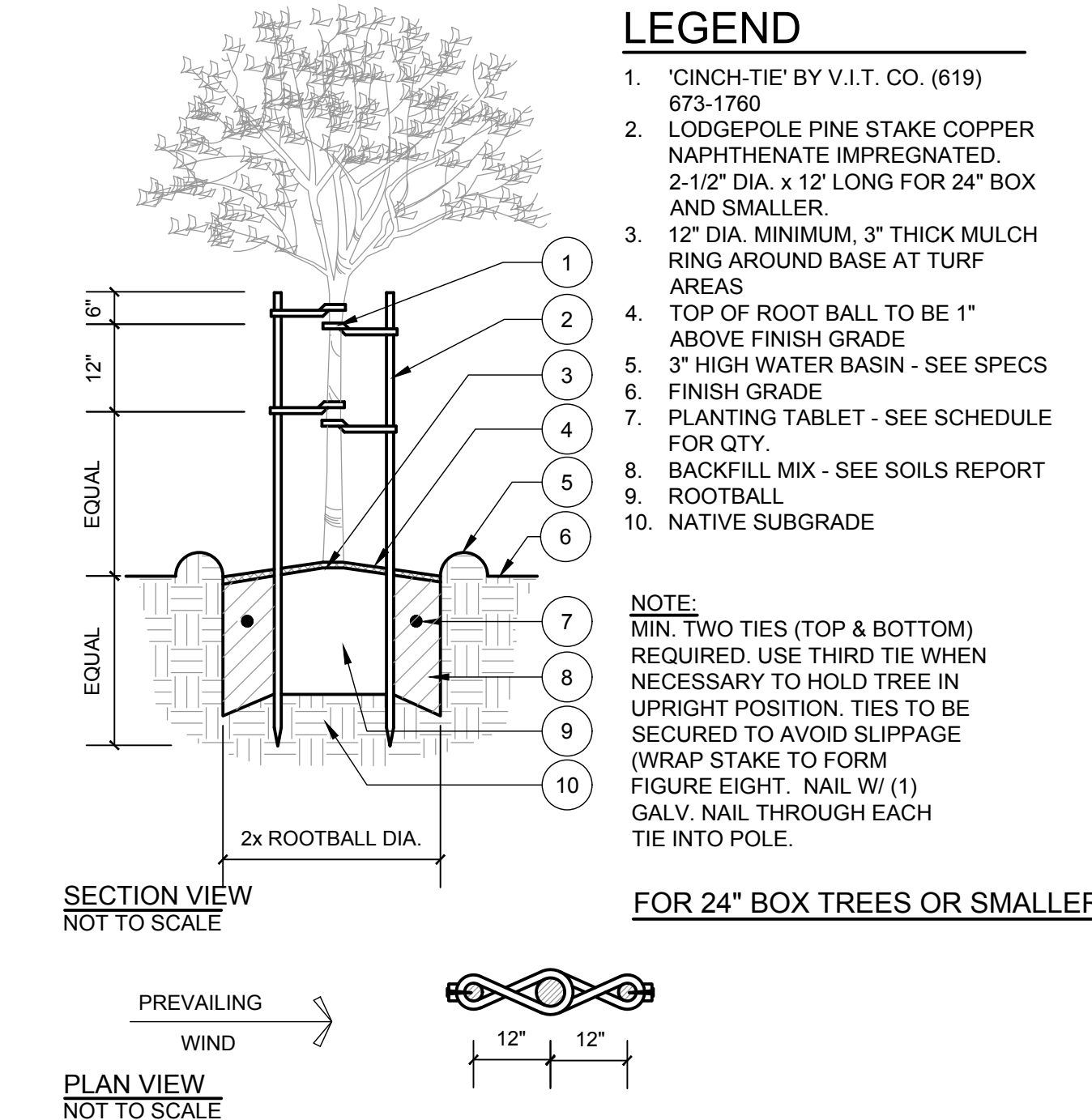
A TREE PLANTING



- LEGEND**
- (3) TREE COLLARS (SEE NOTE 4).
 - (3) WIRE ROPE CLAMPS (SEE NOTE 4).
 - (3) 1/2" DIA. x 3' LONG PVC PIPE SLEEVE, ONE PER GUY WIRE.
 - 'DUCKBILL' TREE SUPPORT KIT, MODEL #40-DTS KIT, MANUF. BY MPS CIVIL PRODUCTS (803) 628-4326 www.earthanchor.com
 - 1/16" WIRE CABLE (SEE NOTE 4).
 - 'DUCKBILL' ANCHOR (SEE NOTE 4).
 - FINISH GRADE
 - ROOTBALL. REFER TO TREE PLANTING DETAIL.
 - TREE - SIZE & SPECIES PER PLANTING LEGEND

NOTE: ATTACH GUYS TO MAJOR TRUNKS ONLY.

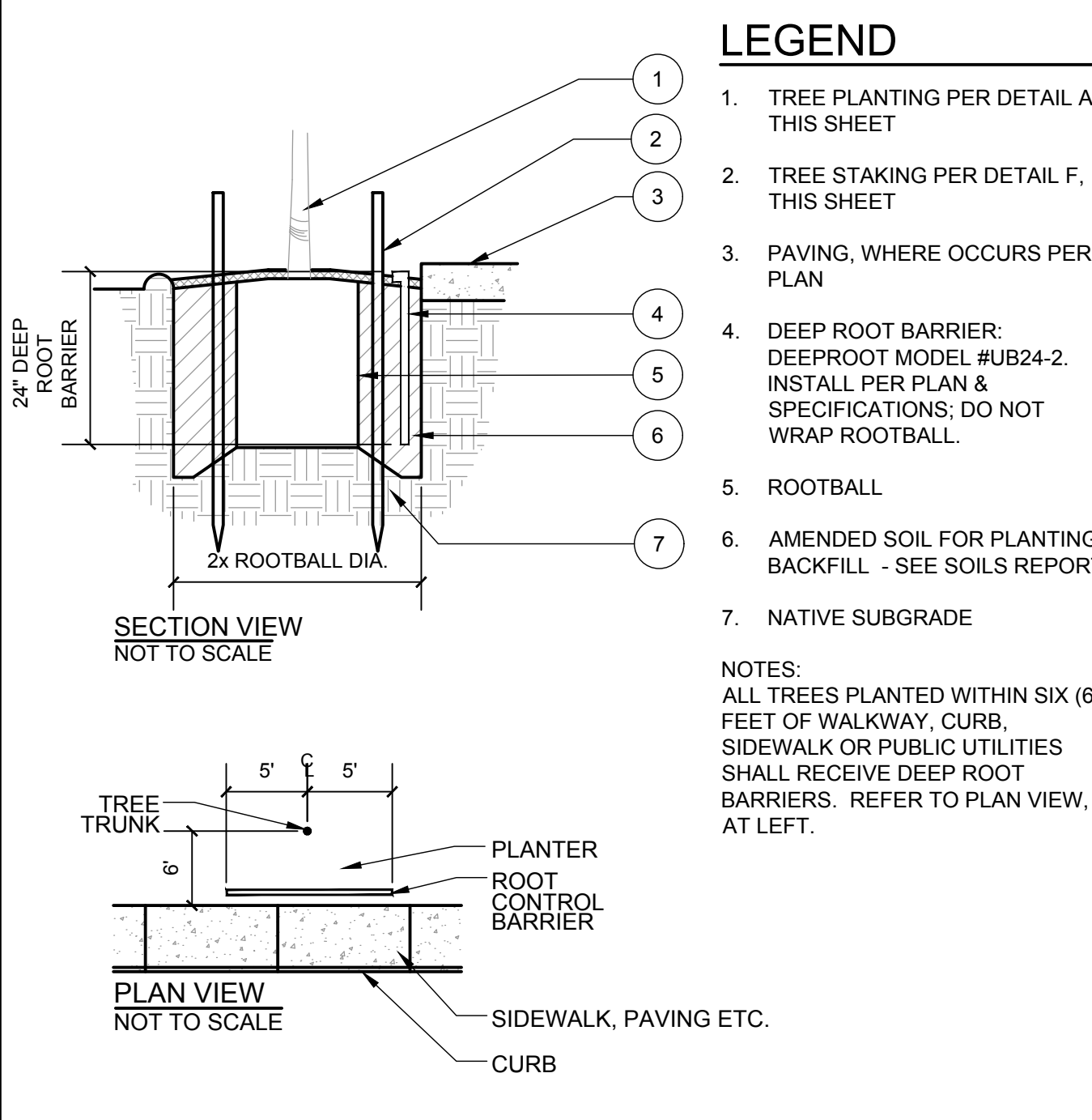
FOR 36" BOX TREES OR LARGER



- LEGEND**
- 'CINCH-TIE' BY V.I.T. CO. (619) 673-1760
 - LODGEPOLE PINE STAKE COPPER NAPHTHENE IMPREGNATED, 2-1/2" DIA. x 12" LONG FOR 24" BOX AND SMALLER
 - 12" DIA. MINIMUM, 3" THICK MULCH RING AROUND BASE AT TURF AREAS
 - TOP OF ROOT BALL TO BE 1" ABOVE FINISH GRADE
 - 3" HIGH WATER BASIN - SEE SPECS
 - FINISH GRADE
 - PLANTING TABLET - SEE SCHEDULE FOR QTY.
 - BACKFILL MIX - SEE SOILS REPORT
 - ROOTBALL
 - 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



- LEGEND**
- TREE PLANTING PER DETAIL A, THIS SHEET
 - TREE STAKING PER DETAIL F, THIS SHEET
 - PAVING, WHERE OCCURS PER PLAN
 - DEEP ROOT BARRIER: DEEPROOT MODEL #UB24-2. INSTALL PER PLAN & SPECIFICATIONS. DO NOT WRAP ROOTBALL.
 - ROOTBALL
 - AMENDED SOIL FOR PLANTING BACKFILL - SEE SOILS REPORT
 - 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.

G TREE GUYING

F TREE STAKING

E DEEP ROOT BARRIER (DRB)

Water Efficient 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)*						
Select your city:	Cambria	Project name or address:	Cambria CSD Skate Park			
Reference Evapotranspiration (ET ₀):	39.9	Landscape Area Sector Type:	Non-Residential			
California Water Efficient Landscape Worksheet						
Reference Evapotranspiration (ET ₀):	39.9	Project Type:	Non-Residential	ETAF	0.45	
Hydrozone # / Planting Description	Plant Factor (PF)	Irrigation Method	Irrigation Efficiency (IE)	ETAF (PF) (IE)	Landscape Area (Sq. Ft.)	Estimated Total Water Use (ETWU)
Regular Landscape Areas						
Med Water Use Trees	0.4	Bubbler	0.77	0.52	108	56
Low Water Use	0.2	Drip	0.61	0.25	4,142	1023
Med Water Use	0.4	Drip	0.81	0.49	-	0
High Water Use	0.8	Overhead	0.75	1.07	-	0
		Average			Total	Total
		0.25			4,250	1,073
Average ETAF for Regular Landscape Areas: In Compliance						
Special Landscape Areas						
SLA-1					1	0
					Totals	0
					Total Landscape Area	4,250
					Statewide ETAF	0.25
					ETWU Total	26,688
					Maximum Allowed Water Allowance (MAWA)	47,311
ETAF Calculations						
Regular Landscape Areas			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	
Total ETAF x Area	1079			56%		
Total Area	4250					
Average ETAF	0.25					
All Landscape Areas						
Total ETAF x Area	1079	0.45 Non-Residential				
Total Area	4250	0.55 Residential				
Average ETAF	0.25	0.81 Drip				
		0.75 Overhead				

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**
- 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.
 - REFER TO SPECIFICATIONS FOR SAMPLING PROCEDURES AND LIST OF ALL ITEMS TO INCLUDE IN THE SOIL REPORT.
 - PLANTER BACKFILL MIX: REFER TO SOIL REPORT. AMENDMENTS SHALL BE THOROUGHLY MIXED PER SPECIFICATIONS.
 - REFER TO PLANS AND SPECIFICATION FOR DEPTH AND MATERIAL OF ALL TOP DRESSING AND MULCH.



K NOT USED

J NOT USED

I WATER EFFICIENT LANDSCAPE ORDINANCE (WELO)

H PLANTING TABLET SCHEDULE & NOTES

Jim Burrows
Landscape Architecture
979 OSOS STREET, SUITE B6
SAN LUIS OBISPO, CA 95401
(805) 439-3209

REGISTERED LANDSCAPE ARCHITECT
State of California
12/31/2025
04/30/2025

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DATE	REVISION	plants per County list
04/30/25	1	
	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'

DESIGNED	JBLA
DRAWN	JBLA
CHECKED	JBLA
DATE	04/30/2025
JOB NO.	24-117
SHEET NUMBER	L-5

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

- GENERAL**
 - 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.
 - 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.
 - 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.
 - 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.
 - 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
 - Samples**
When so required by the Owner or Landscape Architect, Contractor shall submit for approval samples of the various materials, and specify finish thereon.
 - 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.
 - 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.
 - 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.
 - 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.

- 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:
 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.
- 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.
- 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.
- 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.
- 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.

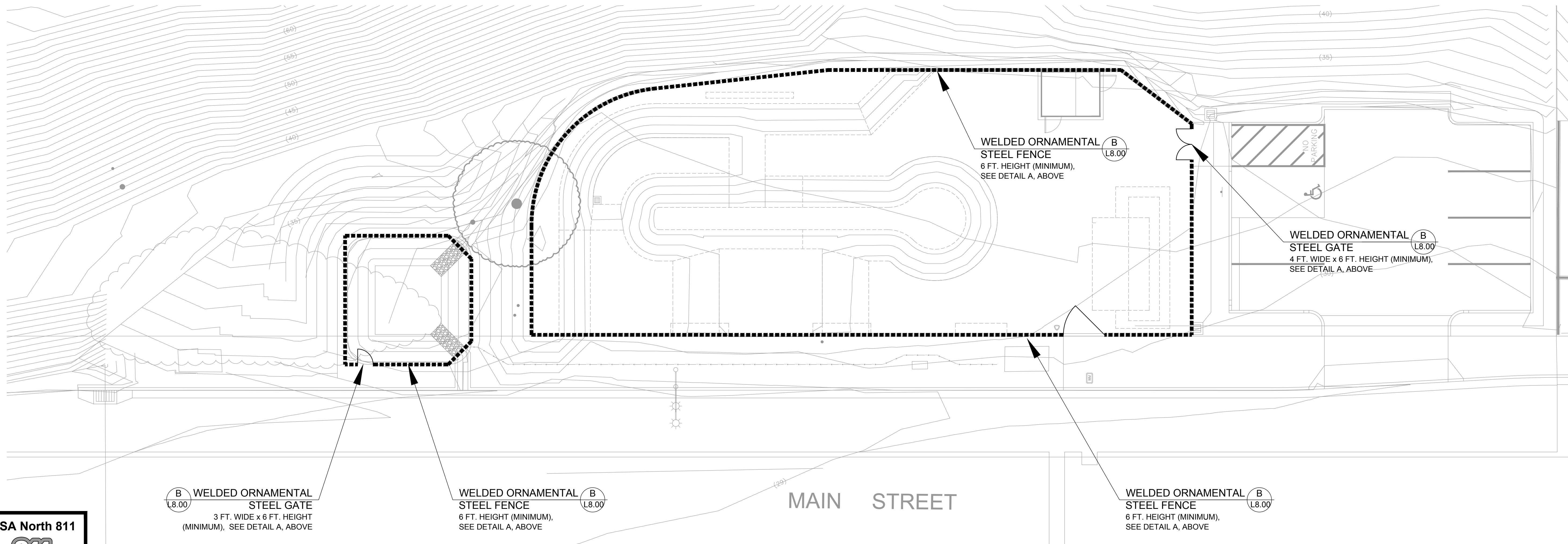
Style:
"Majestic" (M) two-rail, six (6) foot height (minimum)

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



REFER TO SHEET L-5 FOR WATER EFFICIENT LANDSCAPE ORDINANCE (WEL0) WORKSHEET



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



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DATE	REVISION
04/30/25	plans per County list
1	
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
FENCING PLAN

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

F-1
1 OF 1 SHEETS