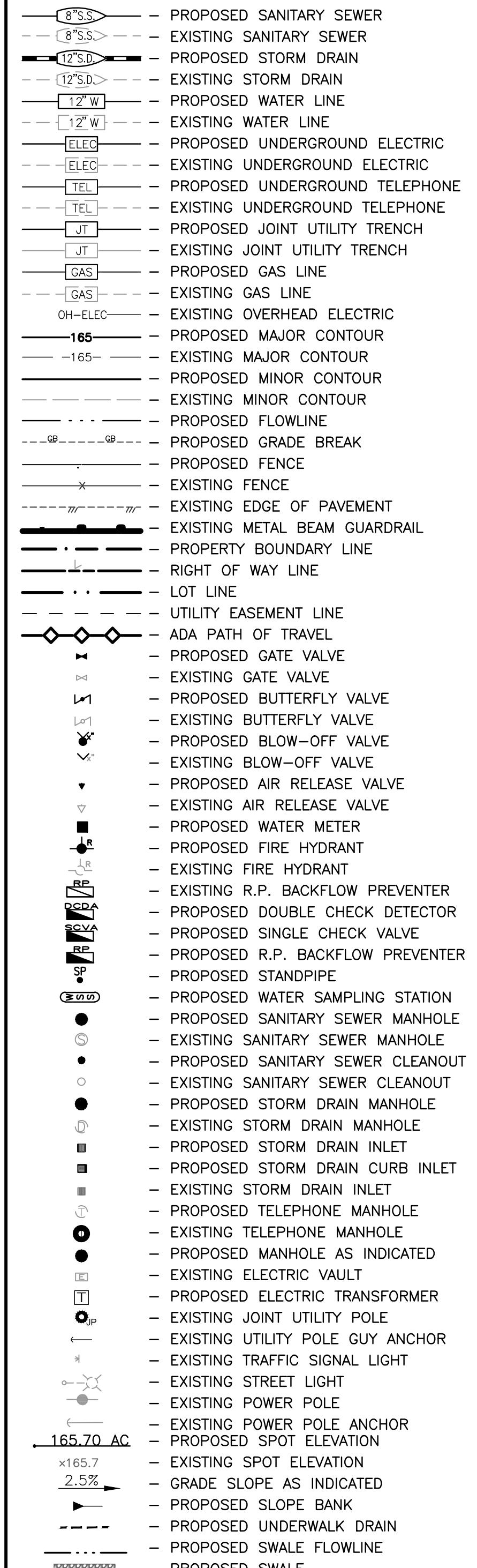
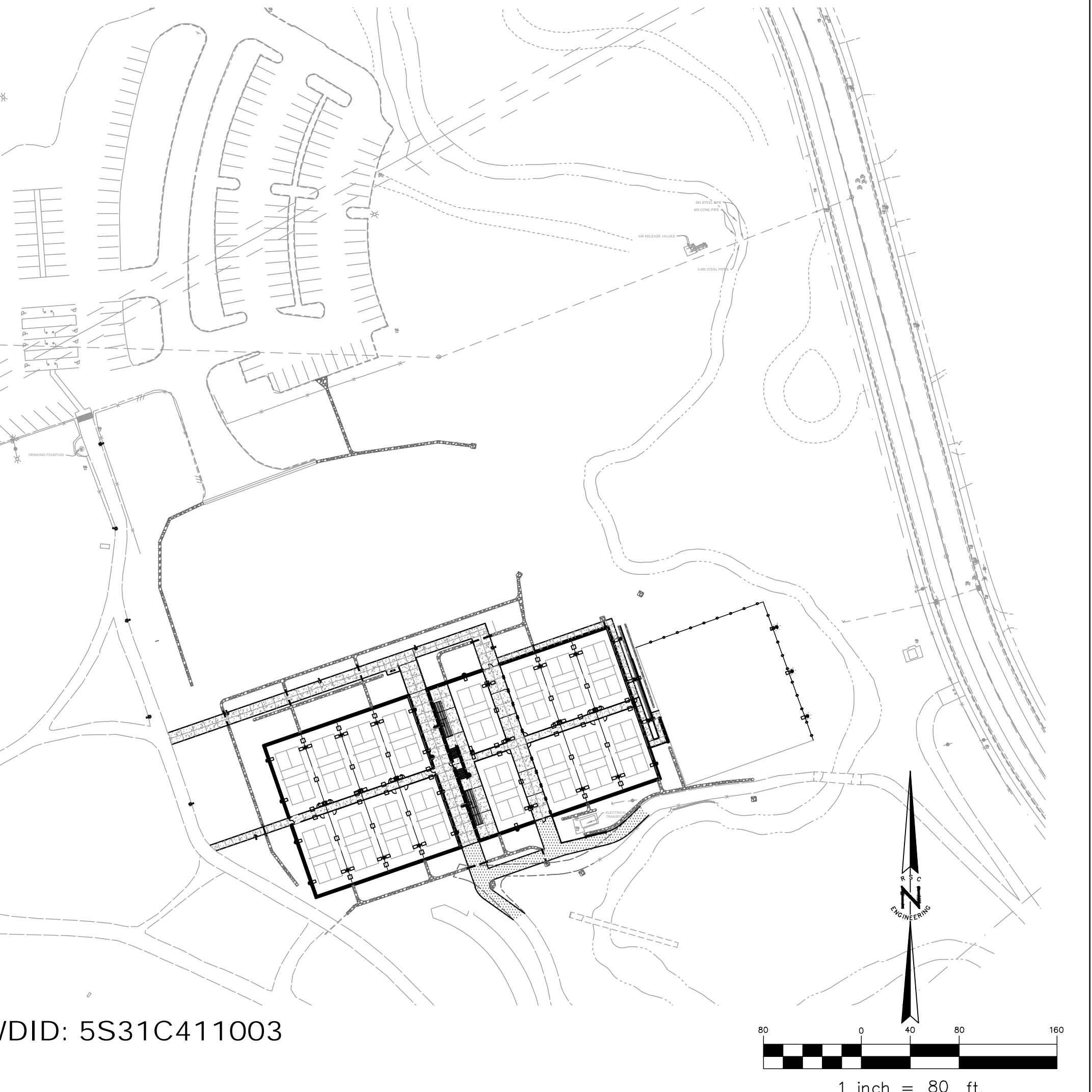
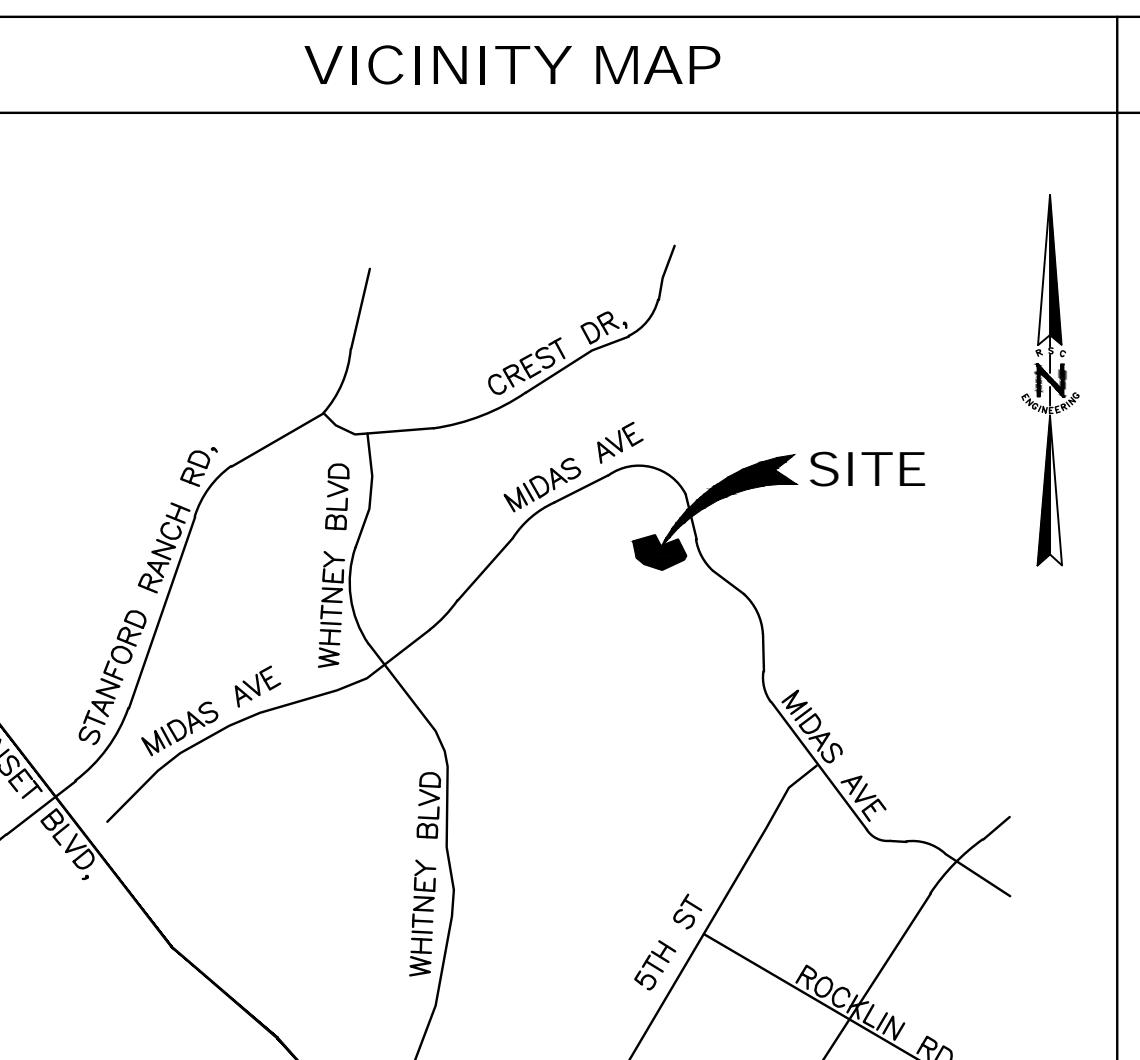
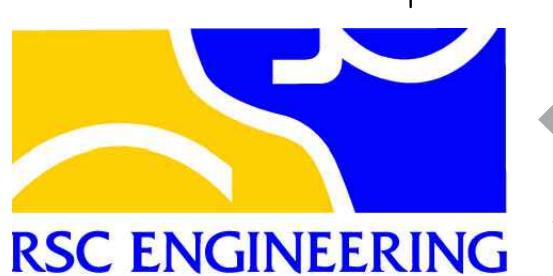


PUBLIC IMPROVEMENT PLANS FOR SUNSET WHITNEY RECREATION AREA PICKLEBALL COURTS

4201 MIDAS AVE
ROCKLIN, CA 98677
APN: 030-140-009-000

SYMBOL LEGEND	ABBREVIATIONS	SITE LOCATION MAP	SHEET INDEX	AGENCY APPROVALS																																																																																																																																																																												
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(E)</td><td>- EXISTING</td></tr> <tr><td>EC</td><td>- END HORIZONTAL CURVE</td></tr> <tr><td>ELEC.</td><td>- ELECTRIC</td></tr> <tr><td>EP</td><td>- EDGE OF PAVEMENT</td></tr> <tr><td>ESMT.</td><td>- EASEMENT</td></tr> <tr><td>FDC</td><td>- FIRE DEPARTMENT CONNECTION</td></tr> <tr><td>FF</td><td>- FINISH FLOOR</td></tr> <tr><td>FG</td><td>- FINISH GRADE</td></tr> <tr><td>FP</td><td>- FINISH PAVEMENT</td></tr> <tr><td>FS</td><td>- FINISH SURFACE</td></tr> <tr><td>FL</td><td>- FLOWLINE</td></tr> <tr><td>G</td><td>- GAS</td></tr> <tr><td>GB</td><td>- GRADE BREAK</td></tr> <tr><td>HMA</td><td>- HOT MIX ASPHALT</td></tr> <tr><td>HDPE</td><td>- HIGH DENSITY POLYETHYLENE PIPE</td></tr> <tr><td>HGL</td><td>- HYDRAULIC GRADE LINE</td></tr> <tr><td>HP</td><td>- HIGH POINT</td></tr> <tr><td>IE</td><td>- INVERT ELEVATION</td></tr> <tr><td>INTX</td><td>- INTERSECTION</td></tr> <tr><td>INV</td><td>- PIPE INVERT</td></tr> <tr><td>IR</td><td>- IRRIGATION</td></tr> <tr><td>JP</td><td>- JOINT UTILITY POLE</td></tr> <tr><td>L</td><td>- LENGTH</td></tr> <tr><td>MAX.</td><td>- MAXIMUM</td></tr> <tr><td>MH</td><td>- MANHOLE</td></tr> <tr><td>MIN.</td><td>- MINIMUM</td></tr> <tr><td>O.C.</td><td>- ON CENTERS</td></tr> <tr><td>OH</td><td>- OVERHEAD</td></tr> <tr><td>PB</td><td>- PULL BOX</td></tr> <tr><td>PCC, PC</td><td>- PORTLAND CEMENT CONCRETE</td></tr> <tr><td>PE</td><td>- POLYETHYLENE PIPE</td></tr> <tr><td>PI</td><td>- POINT OF INTERSECTION</td></tr> <tr><td>PIV</td><td>- POST INDICATOR VALVE</td></tr> <tr><td>PL, R</td><td>- PROPERTY LINE</td></tr> <tr><td>PP</td><td>- POWER POLE</td></tr> <tr><td>PRC</td><td>- POINT OF REVERSE CURVE</td></tr> <tr><td>PT</td><td>- POINT OF TANGENCY</td></tr> <tr><td>PVC</td><td>- POLYVINYLCHLORIDE PIPE</td></tr> <tr><td>PVMT</td><td>- PAVEMENT</td></tr> <tr><td>R</td><td>- RADIUS</td></tr> <tr><td>RAD</td><td>- RADIAL</td></tr> <tr><td>RCP</td><td>- REINFORCED CONCRETE PIPE</td></tr> <tr><td>RPDCA</td><td>- REDUCED PRESS. 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Parker</i> 1/29/2026 CITY ENGINEER DATE</p>
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<h3>UTILITY REPRESENTATIVES</h3> <table border="1"> <tr><td>USA</td><td>-</td><td>-</td><td>(800) 227-2300</td></tr> <tr><td>GAS</td><td>PG&E</td><td>KEVIN MEYERS</td><td>(916) 384-8092</td></tr> <tr><td>ELECTRICITY</td><td>PG&E</td><td>KEVIN MEYERS</td><td>(916) 384-8092</td></tr> <tr><td>TELEPHONE</td><td>AT&T</td><td>-</td><td>(916) 409-1370</td></tr> <tr><td>WATER</td><td>PCWA</td><td>RICHARD WIRTH</td><td>(530) 823-4886</td></tr> <tr><td>SEWER</td><td>SPMUD</td><td>CARIE HUFF</td><td>(916) 786-8555</td></tr> <tr><td>DRAINAGE</td><td>CITY OF ROCKLIN - PUBLIC WORKS</td><td>RICK LAWRENCE</td><td>(916) 625-5500</td></tr> <tr><td>FIRE</td><td>ROCKLIN FIRE DEPARTMENT</td><td>-</td><td>(916) 625-5150</td></tr> <tr><td>CABLE TV</td><td>ASTOUND BROADBAND</td><td>-</td><td>(916) 315-3203</td></tr> </table>		USA	-	-	(800) 227-2300	GAS	PG&E	KEVIN MEYERS	(916) 384-8092	ELECTRICITY	PG&E	KEVIN MEYERS	(916) 384-8092	TELEPHONE	AT&T	-	(916) 409-1370	WATER	PCWA	RICHARD WIRTH	(530) 823-4886	SEWER	SPMUD	CARIE HUFF	(916) 786-8555	DRAINAGE	CITY OF ROCKLIN - PUBLIC WORKS	RICK LAWRENCE	(916) 625-5500	FIRE	ROCKLIN FIRE DEPARTMENT	-	(916) 625-5150	CABLE TV	ASTOUND BROADBAND	-	(916) 315-3203	<h3>VICINITY MAP</h3> 	<h3>BENCH MARK</h3> <p>BENCHMARK: ELEVATION: 258.69' (NGVD 29)</p> <p>DESCRIPTION: CITY OF ROCKLIN GPS CONTROL POINT NO. "R 8-17": A RAILROAD SPIKE AT THE TOP BACK OF CURB AT THE SOUTH EAST CORNER OF WHITNEY BLVD. AND BONANZA STREET.</p> <p>BASIS OF BEARINGS: THE LINE BETWEEN CITY OF ROCKLIN GP CONTROL NETWORK POINTS NO. "R 4-5" & "R 8-8" PER 18 R.S. 114, CALCULATED AS SOUTH 39°39'38" WEST.</p>	<h3>PROJECT TEAM</h3> <p>CIVIL ENGINEERING: RSC ENGINEERING 1420 ROCKY RIDGE DRIVE, SUITE 150 ROSEVILLE, CA 95661 CONTACT: JIM VANDERPOST EMAIL: J.VANDERPOST@RSC-ENGR.COM PHONE: (916) 788-2884</p> <p>LANDSCAPE: FUHRMAN LEAMY 3400 DOUGLAS BLVD, SUITE 275 ROSEVILLE, CA 95661 CONTACT: KEVIN LEAMY PHONE: (916) 783-5263</p> <p>GEOTECHNICAL ENGINEER: GEOCON CONSULTANTS, INC. 3160 GOLD VALLEY DRIVE SUITE 800 RANCHO CORDOVA, CA 95742 CONTACT: MICHAEL WATARI PHONE: (916) 852-9118</p>																																																																																																																																								
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<h3>RECORD DRAWINGS</h3> <p>ALL INFORMATION SHOWN ON THESE PLANS HAS BEEN PREPARED BY, OR UNDER THE DIRECTION OF, THE UNDERSIGNED ENGINEER. ADJUSTMENTS MADE IN THE FIELD DURING CONSTRUCTION ARE INCLUDED HEREIN WHEN THE PROJECT ENGINEER IS ADVISED IN WRITING OF SUCH CHANGE BY THE OWNER, DEVELOPER, CONTRACTOR, OR THE CITY OF ROCKLIN.</p>		<p>SCALE: SEE SHEET DATE: JANUARY 7, 2026 CITY PROJECT NO.: SHEET NO.: C1.0 DRAWING: 1 OF 15</p>																																																																																																																																																																														
<p>811 Know what's below. Call before you dig.</p>		 <p>FUHRMAN LEAMY LAND GROUP DESIGN • SERVICE • SOLUTIONS 3400 DOUGLAS BLVD, SUITE 275 ROSEVILLE, CA 95661 916-783-5263 info@flandgroup.com</p> <p>PROJECT ENGINEER DATE RCE#</p>																																																																																																																																																																														

DESIGNED: Z. ARTHUR	NO.:	REVISION	BY:	DATE:
DRAWN: Z. ARTHUR				
CHECKED: J. VANDERPOST				
APPROVED:				

PROJECT NAME: SUNSET WHITNEY RECREATION AREA
DRAWING NAME: PICKLEBALL COURTS
ROCKLIN
COUNTY OF PLACER
CALIFORNIA



CITY OF ROCKLIN
COMMUNITY DEVELOPMENT
DEPARTMENT



SCALE: SEE SHEET
DATE: JANUARY 7, 2026
CITY PROJECT NO.:
SHEET NO.: C1.0
DRAWING: 1 OF 15

GENERAL NOTES

- THE CONTRACTOR SHALL NOT BEGIN ANY WORK SHOWN ON THESE PLANS UNTIL THE CITY ENGINEER'S SIGNATURE OF APPROVAL IS AFFIXED HEREON AND ALL APPLICABLE PERMITS HAVE BEEN OBTAINED.
- CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY, OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY, OWNER OR ENGINEER.
- THE CONTRACTOR IS HEREBY NOTIFIED THAT PRIOR TO COMMENCING CONSTRUCTION, HE SHALL CONTACT ALL UTILITY COMPANIES FOR VERIFICATION AT THE CONSTRUCTION SITE OF THE LOCATIONS OF ALL UNDERGROUND FACILITIES WHERE SUCH FACILITIES MAY CONFLICT WITH PLACEMENT OF IMPROVEMENTS SHOWN ON THIS PLAN. CALL "UNDERGROUND SERVICE ALERT" AT 811 (PHONE 800-227-2600) OR THROUGH THE WEBSITE AT HTTP://USANORTH811.ORG 48 HOURS IN ADVANCE PRIOR TO ANY EXCAVATION.
- THE LOCATIONS OF ALL UNDERGROUND FACILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL UNDERGROUND FACILITIES; HOWEVER, THE ENGINEER ASSUMES NO LIABILITY FOR THE ACCURACY OR COMPLETENESS OF THE EXISTING FACILITIES SHOWN HEREON OR FOR THE EXISTENCE OF OTHER UNDERGROUND UTILITIES OR OBJECTS WHICH THE CONTRACTOR MAY DISCOVER, BUT ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING FACILITIES AND IMMEDIATELY NOTIFY THE ENGINEER IF ANY SUCH FACILITIES INTERFERE WITH THE CONSTRUCTION OF THE IMPROVEMENTS. THE CONTRACTOR SHALL STOP WORK UNTIL MITIGATIONS CAN BE MADE. ANY COSTS INCURRED RESULTING FROM CONTRACTOR'S FAILURE TO STOP AS DIRECTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL MATERIALS, METHODS, AND WORKMANSHIP SHALL CONFORM TO THE SPECIFICATION OF THE AGENCIES INVOLVED AND ALL WORK IS SUBJECT THE APPROVAL OF THEIR DIRECTOR OR AUTHORIZED REPRESENTATIVE.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF ROCKLIN ENGINEERING DEPT. MON-FRI. 8:00 A.M. TO 4:00 P.M. AT (916) 625-5100 FOR A PRECONSTRUCTION MEETING 48 HOURS IN ADVANCE OF STARTING ANY CONSTRUCTION ACTIVITIES. PLACER COUNTY WATER AGENCY AND SOUTH PLACER MUNICIPAL UTILITY DISTRICT REQUIRE AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION REQUESTS FOR INSPECTION OF PUBLIC FACILITIES. THEREFORE, NOTICE SHALL BE GIVEN 72 HOURS IN ADVANCE AND BE PERFORMED BY THE AGENCY'S DESIGNATED AGENT.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY ENCROACHMENT PERMITS WITH BONDS AND SHALL POSSESS APPROVED PLANS PRIOR TO BEGINNING OF CONSTRUCTION. A SET OF SIGNED AND APPROVED PLANS ARE TO BE ON THE JOB SITE AT ALL TIMES.
- THE CONTRACTOR SHALL MAINTAIN THE EXISTING PUBLIC AND PRIVATE IMPROVEMENTS WITHIN THE WORK AREA AND SHALL ADEQUATELY BARRICADE THE PROJECT SITE TO KEEP THE GENERAL PUBLIC FROM THE SITE. ANY IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY CONTRACTOR.
- THE CONTRACTOR MUST EXPOSE THE END OF EXISTING GRAVITY LINES FOR THE SURVEYOR TO VERIFY LOCATION AND DEPTH OF FACILITIES PRIOR TO CONNECTION OF PROPOSED UTILITY. THE CONTRACTOR SHALL INCUR ALL COSTS FOR SUCH EXCAVATION.
- THE CONTRACTOR SHALL AT ALL TIMES COORDINATE HIS WORK WITH THAT OF OTHERS ON THE SITE. THE CONTRACTOR SHALL HAVE A RESPONSIBLE PARTY, WHO SHALL HAVE THE AUTHORITY TO REPRESENT AND ACT FOR THE CONTRACTOR ON THE JOB SITE DURING ALL WORKING HOURS.
- CONTRACTOR SHALL BE IN RECEIPT OF THE CITY APPROVED PLANS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY UTILITY COMPANIES INVOLVED IN THE DEVELOPMENT PRIOR TO BEGINNING OF WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND/OR OTHER SURVEY MONUMENTS AND SHALL NOTIFY CITY OF ROCKLIN ENGINEERING DEPT. OF ANY DAMAGED OR REMOVED CITY, STATE, OR BUREAU MONUMENTS. CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE ANY DAMAGED OR REMOVED MONUMENTS.
- CONTRACTOR SHALL NOTIFY DEPARTMENT OF PUBLIC WORKS UPON APPLICATION FOR ENCROACHMENT PERMIT AND PAYMENT OF REQUIRED FEE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING THEIR OPERATION EXTERNALLY OUTSIDE OF ANY FLOODPLAIN BOUNDARIES. FLOODPLAIN BOUNDARIES SHALL BE CLEARLY DELINEATED IN THE FIELD WITH ORANGE EVA FENCING AND SIX FOOT (6') STAKES TEN FEET (10') OF PRIORITY TO CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING THEIR OPERATION EXTERNALLY OUTSIDE OF ANY "NO GRADING AREA." THESE AREAS SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO CONSTRUCTION.
- WHERE WORK IS BEING DONE IN AN OFFSITE EASEMENT THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER 48 HOURS PRIOR TO COMMENCING WORK.

STREETS

- PLACEMENT OF PROPOSED PUBLIC IMPROVEMENTS AND PROPOSED ONSITE IMPROVEMENTS SHALL NOT BE LIMITED TO THESE PLANS, BUT BE BUILT IN ACCORDANCE WITH THE CITY OF ROCKLIN IMPROVEMENT STANDARDS AND TO THE SATISFACTION OF THE CITY ENGINEER.
- SIDEWALK RAMPS SHALL BE CONSTRUCTED AT THE CENTER OF ALL CURB RETURNS.
- ALL UTILITY TRENCHING TO BE DONE AS PER TRENCH DETAILS.
- ALL DROP INLETS SHALL BE TYPE "B" AS SHOWN IN THE CITY OF ROCKLIN IMPROVEMENT STANDARDS, DRAWING 4-2, EXCEPT AS NOTED.
- CONSTRUCT SIDEWALK RAMPS PER LATEST CALTRANS STANDARDS.
- CONSTRUCT MONUMENT BOX PER CITY OF ROCKLIN IMPROVEMENTS, STANDARD DRAWINGS 3-34.
- STOP SIGNS, THERMOPLASTIC STOP BARS, AND THE THERMOPLASTIC WORD "STOP" SHALL CONFORM TO CALTRANS STANDARDS (R1, 30').
- THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER WORK TO ASSURE THAT ALL UNDERGROUND CONDUITS AND UTILITIES ARE INSTALLED PRIOR TO PAVING. ALL PIPES IN PAVED AREAS SHALL BE PLACED PRIOR TO PLACING AGGREGATE BASE. NO CURB, CUTTER, SIDEWALK FOR AGGREGATE BASE SHALL BE PLACED UNTIL ALL UNDERGROUND UTILITIES ARE INSTALLED.
- EXISTING A.C. SURFACE SHALL BE CUT TO A NEAT STRAIGHT LINE, PARALLEL WITH THE STREET CENTERLINE AND THE EXPOSED EDGE AND VERTICAL EDGE OF CUTTER UP SHALL BE TACKED WITH EMULSION PRIOR TO PAVING. THE CONTRACTOR SHALL PREVENT SAW CUT MATERIAL FROM ENTERING DRAINAGE STRUCTURES, WATERWAYS, DRAINAGE SWALES, ETC. MATERIAL SHALL BE GRADED, RECOMPACTED, AND RESAILED PRIOR TO PAVING. ANY CONCRETE, TREES, FENCES, AND/OR OTHER OBSTRUCTIONS REQUIRED TO CONSTRUCT THE IMPROVEMENT SHALL BE REMOVED PRIOR TO PAVING.
- TRAFFIC CONTROL PROCEDURES SHALL CONFORM TO THE MOST RECENT EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD). THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CITY OF ROCKLIN FOR THE METHOD OF TRAFFIC CONTROL PRIOR TO STARTING CONSTRUCTION.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR SIDEWALKS DURING THE CONSTRUCTION PHASE. IF THE CITY FINDS A SIGNIFICANT AMOUNT OF STREET DAMAGE, AN OVERLAY OF THE ENTIRE PROJECT OR STREET IN QUESTION WILL BE REQUIRED BEFORE A NOTICE OF COMPLETION IS PROCESSED. THE CONTRACTOR, DEVELOPER AND/OR BUILDER ARE TOTALLY RESPONSIBLE FOR THE QUALITY OF

WORKMANSHIP ON THE PROJECT.

- SEE INDIVIDUAL AGENCIES FOR SIZE, TYPE, AND LOCATION OF THEIR PROPOSED UTILITIES.
- ALL OF THE ABOVE UTILITIES ARE MEMBERS OF THE "UNDERGROUND SERVICES ALERT" (USA) ONE-CALL PROGRAM. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS PROJECT WILL BE REQUIRED TO NOTIFY MEMBERS OF (U.S.A.) 48 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING 811 (PHONE 800-227-2600) OR THROUGH THE WEBSITE AT HTTP://USANORTH811.ORG. EXCAVATION, FOR THE PURPOSE OF THIS REQUIREMENT, IS DEFINED AS BEING 4"-6" OR MORE IN DEPTH BELOW THE EXISTING SURFACE.

EARTHWORK AND GRADING

- THE CONTRACTOR SHALL CONTACT THE CITY OF ROCKLIN ENGINEERING DEPT., 48 HOURS PRIOR TO THE START OF EARTHWORK AND GRADING CONSTRUCTION.
- GRADING SHALL NOT OCCUR ON THE PROJECT AREA UNTIL ALL EXISTING UTILITIES AND TREES AND SENSITIVE AREAS TO BE SAVED ARE ADEQUATELY PROTECTED PER THE CITY OF ROCKLIN CONSTRUCTION SPECIFICATIONS.
- ALL COMPACTION TESTING SHALL BE PERFORMED BY THE CITY OR ITS DESIGNATED AGENT AND BE PAID FOR BY THE CITY (OR CONTRACTOR IN CASE OF RETESTING). TESTS WITHIN THE RIGHT-OF-WAY SHALL BE APPROVED BY THE CITY OF ROCKLIN AND ALL TESTS OUTSIDE THE RIGHT-OF-WAY SHALL BE CERTIFIED BY THE SOILS ENGINEER FOR THE PROJECT. ALL UNSUITABLE AND SURPLUS MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE UNLESS THE ENGINEER SPECIFIES OTHERWISE. UTILITY TRENCHING TO BE COMPLETED WITH FINAL EARTHWORK. THE PROJECT WILL BE TEMPORARILY SUSPENDED PER SEC 8-1.05 FOR ALLOWING PG&E AND WAVE BROADBAND TO INSTALL THEIR RESPECTIVE FACILITIES.
- THE CONTRACTOR SHALL AT ALL TIMES CONFORM TO THE RECOMMENDATIONS FROM THE CITY OF ROCKLIN ON DUST CONTROL, AND ANY REQUIREMENTS OF PLACER COUNTY AIR POLLUTION CONTROL DISTRICT. AREAS SURROUNDING THE WORK SHALL BE KEPT CLEAN AND RETURNED TO ORIGINAL CONDITION UPON COMPLETION OF CONTRACT. GRADING SHALL NOT OCCUR WHEN WIND SPEED EXCEEDS 10 MPH CONTINUOUSLY FOR MORE THAN 1 HOUR.
- CONTRACTOR SHALL APPLY EROSION CONTROL HYDROSEEDING TO ALL GRADED OR DISTURBED SOILS WITHIN THE WORK AREA AFTER COMPLETION OF IMPROVEMENTS OR AS SOON AS PRACTICAL AFTER GRADING TO REDUCE DUST AND EROSION POTENTIAL. STRAW OR HYDROMULCHING SHALL BE COMBINED WITH THE SEEDING ON SLOPES EQUAL TO OR GREATER THAN 10:1 AND PLACED PRIOR TO COMPLETION OF PROJECT IF DEEMED NECESSARY FOR CONTROLLING SOIL EROSION.
- THE CONTRACTOR SHALL DO THE FOLLOWING IF GRADING AND CLEARING IMPROVEMENTS ARE INCOMPLETE BY OCTOBER 1ST:
 - INSTALL EROSION PROTECTION ON SLOPES 10:1 OR STEEPER AND SWALES WITH SLOPES 2% OR GREATER
 - PREVENT SEDIMENT FROM LEAVING THE PROJECT AREA
 - GRADE GUTTER SAG POINTS TO DRAIN. PROVIDE FOR DRAINAGE FROM ENDS OF IMPROVEMENTS
 - PREVENT SEDIMENTATION IN EXISTING STORM DRAIN SYSTEM AND CLEAN PIPES AS PER SPECIFICATION SS62
 - SEAL OFF ALL SANITARY SEWER CONNECTIONS TO EXISTING SYSTEMS
- THE CONTRACTOR SHALL MAINTAIN WINTERIZATION FACILITIES AT ALL TIMES UNTIL THE CITY ACCEPTS THE IMPROVEMENTS
- PRIOR TO GRADING, A RAPTOR SURVEY SHALL BE DONE. NO CONSTRUCTION ACTIVITIES ARE ALLOWED WITHIN 0.25 MILES OF ANY IDENTIFIED RAPTOR NESTS BETWEEN THE DATES OF FEBRUARY 1ST THRU AUGUST 31ST AS APPROVED BY DIRECTOR.
- APPROX. QUANTITY OF EARTHWORK: $\pm 3,542$ CY CUT, $\pm 3,360$ CY FILL [NET: ± 183 EXPORT]
- THOSE ENGAGED IN CONSTRUCTION ACTIVITY SHALL COMPLY WITH THE CITY OF ROCKLIN CONSTRUCTION NOISE COMPATIBILITY GUIDELINES, INCLUDING RESTRICTING CONSTRUCTION NOISE GENERATING ACTIVITIES WITHIN OR NEAR RESIDENTIAL AREAS TO BETWEEN 7:00 AM AND 7:00 PM ON WEEKDAYS AND 8:00 AM AND 7:00 PM ON THE WEEKENDS TO THE SATISFACTION OF THE PUBLIC WORKS DIRECTOR OR BUILDING OFFICIAL.

STRIPING

- ALL EXISTING PAVEMENT MARKINGS TO BE REMOVED SHALL BE REMOVED BY GRINDING, AND A SURFACE TREATMENT MAY BE REQUIRED BY THE CITY.
- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND ARE TO CONFORM TO THE MOST RECENT EDITION OF THE CALTRANS STANDARD SPECIFICATIONS AND PLANS.

CONSTRUCTION STAKING/MONUMENTATION

- NO WORK SHALL COMMENCE UNTIL STAKING IS PROVIDED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL MONUMENTS AND OTHER SURVEY MARKERS.
- ALL SURVEY MONUMENTS SHALL BE SET IN ACCORDANCE WITH THE CITY OF ROCKLIN SUBDIVISION ORDINANCE PRIOR TO FINAL INSPECTION AND ACCEPTANCE OF PUBLIC IMPROVEMENTS. MONUMENT BOXES SHALL BE FROM "IRONSIDES" 1B-BODY WITH IL-LID MARKED "MONUMENT" OR APPROVED EQUAL.

BIOLOGICAL RESOURCES

PRIOR TO GRADING OR CONSTRUCTION ACTIVITIES, THE OPEN SPACE/WETLAND/RIPARIAN AREAS SHALL BE FENCED WITH ORANGE CONSTRUCTION FENCING SUCH THAT THE FENCING SEPARATES THE PROJECT SITE FROM THE OPEN SPACE/WETLAND/RIPARIAN AREAS. THE FENCING SHALL BE INSTALLED TO THE SATISFACTION OF THE CITY ENGINEER AND SHALL REMAIN IN PLACE DURING ALL CONSTRUCTION ACTIVITIES.

CULTURAL RESOURCES

IF EVIDENCE OF ARCHEOLOGICAL OR PALEONTOLOGICAL SITE IS UNCOVERED DURING GRADING OR OTHER CONSTRUCTION ACTIVITIES, WORK SHALL BE HALTED WITHIN 100 FT OF THE FIND AND THE CITY OF ROCKLIN ENVIRONMENTAL SERVICES DIVISION SHALL BE IMMEDIATELY NOTIFIED. A QUALIFIED ARCHEOLOGIST OR PALEONTOLOGIST SHALL BE RETAINED AT THE EXPENSE OF THE DEVELOPER/CITY TO CONDUCT AN ON-SITE EVALUATION AND PROVIDE RECOMMENDATIONS FOR REMOVAL AND/OR PRESERVATION. WORK ON THE SITE SHALL NOT RESUME UNTIL THE ARCHEOLOGIST OR PALEONTOLOGIST HAS HAD REASONABLE TIME TO CONDUCT AN EXAMINATION AND IMPLEMENT MITIGATION MEASURES DEEMED APPROPRIATE AND NECESSARY BY THE ENVIRONMENTAL SERVICES DIVISION TO REDUCE IMPACTS TO A LESS THAN SIGNIFICANT LEVEL.

EVIDENCE OF HUMAN BURIAL OR SCATTERED HUMAN REMAINS RELATED TO PRE-HISTORIC OCCUPATION OF THE AREA COULD BE INADVERTENTLY ENCOUNTERED ANYWHERE WITHIN THE PROJECT AREA DURING CONSTRUCTION ACTIVITY OR OTHER ACTIONS INVOLVING DISTURBANCE TO THE GROUND SURFACE AND SUBSURFACE COMPONENTS. IN THE EVENT OF SUCH AN INADVERTENT DISCOVERY, WORK SHALL BE HALTED WITHIN 100 FT OF THE FIND AND THE CITY OF ROCKLIN ENVIRONMENTAL SERVICES DIVISION AND THE COUNTY CORONER SHALL BE IMMEDIATELY NOTIFIED AND CONSULTED, PER STATE LAW.

AIR QUALITY

PRIOR TO ANY GRADING OR CONSTRUCTION ACTIVITY, A DUST CONTROL PLAN SHALL BE SUBMITTED FOR APPROVAL BY THE CITY ENGINEER AND THE PLACER COUNTY AIR POLLUTION CONTROL DISTRICT. THE DUST CONTROL PLAN SHALL SPECIFY MEASURES TO REDUCE DUST POLLUTION DURING ALL PHASES OF CONSTRUCTION.

ACCESSIBILITY NOTES

- THE CONTRACTOR SHALL CONFORM TO ALL OF THE REQUIREMENTS OF TITLE 24 AND THE AMERICANS WITH DISABILITIES ACT (ADA) AS THEY APPLY TO SIDEWALKS, PATHS OF TRAVEL, RAMPS, PARKING SPACES, ETC. THE CONTRACTOR IS ADVISED THAT ALL SIDEWALKS, PATHS OF TRAVEL, ACCESSIBLE PARKING AREAS AND ACCESSIBLE LOADING ZONES SHALL HAVE A MAXIMUM CROSS SLOPE THAT DOES NOT EXCEED 2%. THE CONTRACTOR IS ALSO ADVISED THAT ALL CURB RAMPS MUST CONFORM TO THE APPLICABLE DETAILS OF TITLE 24 AND THE ADA AS THEY APPLY TO MAXIMUM SLOPES, LEVEL LANDINGS AND DETECTABLE WARNINGS.

ADDITIONAL GRADING NOTES

- ALL GRADING SHALL BE PERFORMED PER GEOCON CONSULTANTS, INC. "LIMITED GEOTECHNICAL INVESTIGATION SUNSET WHITNEY RECREATION AREA (SWRA) PICKLEBALL COURTS" REPORT DATED SEPTEMBER 22, 2025.

2. REFER TO THE DEMOLITION PLAN FOR LIMITS OF REMOVAL.

- PRIOR TO THE COMMENCEMENT OF GRADING OPERATIONS, THE CONTRACTOR SHALL IDENTIFY THE SITE WHERE EXCESS/BORROW EARTHEN MATERIAL SHALL BE IMPORTED/DEPOSITED. IF THE BORROW/DEPOSIT SITE IS WITHIN THE CITY OF ROCKLIN, THE CONTRACTOR SHALL PRODUCE A REPORT ISSUED BY A GEOTECHNICAL ENGINEER TO VERIFY THAT THE EXPORTED MATERIALS ARE SUITABLE FOR THE INTENDED FILL, AND SHALL SHOW PROOF OF ALL APPROVED GRADING PLANS, HAUL ROUTES TO BE USED SHALL BE SPECIFIED.

- THE USE OF THE LAND SOUTH OF THE PROJECT LIMIT FOR SPOILS IS SUBJECT TO OWNER APPROVAL AND MAY NOT BE GRANTED.

- CONTRACTOR SHALL ADJUST ALL EXISTING VAULTS WITHIN PROJECT LIMITS TO REMAIN TO PROPOSED GRADE.

- CONTRACTOR SHALL LOCATE EXISTING UTILITIES PRIOR TO GRADING AND COORDINATE WITH THE AUTHORITY HAVING JURISDICTION TO RELOCATE OR LOWER LINE IF NEEDED (TYPICAL ALL UTILITY LINES WITHIN PROJECT LIMITS).

- THE CONTRACTOR SHALL SCARIFY AND RECOMPACT PICKLEBALL COURTS PADS TO THE LIMITS SHOWN IN ACCORDANCE WITH NOTES SHOWN HEREON.

- CONTRACTOR SHALL ENSURE SLOPE OF PAVING IN ACCESSIBLE PARKING AREA(S) IS LESS THAN 2% IN ALL DIRECTIONS. GRIND AND OVERLAY LIMITS SHALL BE ADJUSTED ACCORDINGLY IN FIELD.

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

- ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.

- EXISTING PIPES SHALL BE CLEARED OUT TO REMOVE ALL SILT AND DEBRIS.

- EXISTING GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT.

- PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS.

- IF ANY EXISTING STRUCTURES, PAVEMENTS, OR OTHER EXISTING ITEMS TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE, PAVEMENT OR ASSOCIATED ITEM AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.

- CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE AT CONFORMS.

- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.

- TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE CITY FOR REVIEW.

- ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL UNLESS STATED OTHERWISE BY LANDSCAPE ARCHITECT.

- CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER.

- CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS OR SWPPP WHICHEVER IS MORE STRINGENT UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED. FOR AREAS WHERE FUTURE LANDSCAPE IS INCLUDED AS PART OF THESE PLANS, A NON HYDROSEED SOIL STABILIZER IS ACCEPTABLE

- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.

- THE ENGINEER SHALL CERTIFY PAD ELEVATIONS PRIOR TO FOOTING INSPECTION AND THEN A FINAL GRADING CERTIFICATION PRIOR TO THE PROJECT'S FINAL INSPECTION (SUBMITTED TO BUILDING INSPECTOR).

- ALL CURBS ARE 6" TALL UNLESS NOTED OTHERWISE.

24. GRADING TOLERANCES:

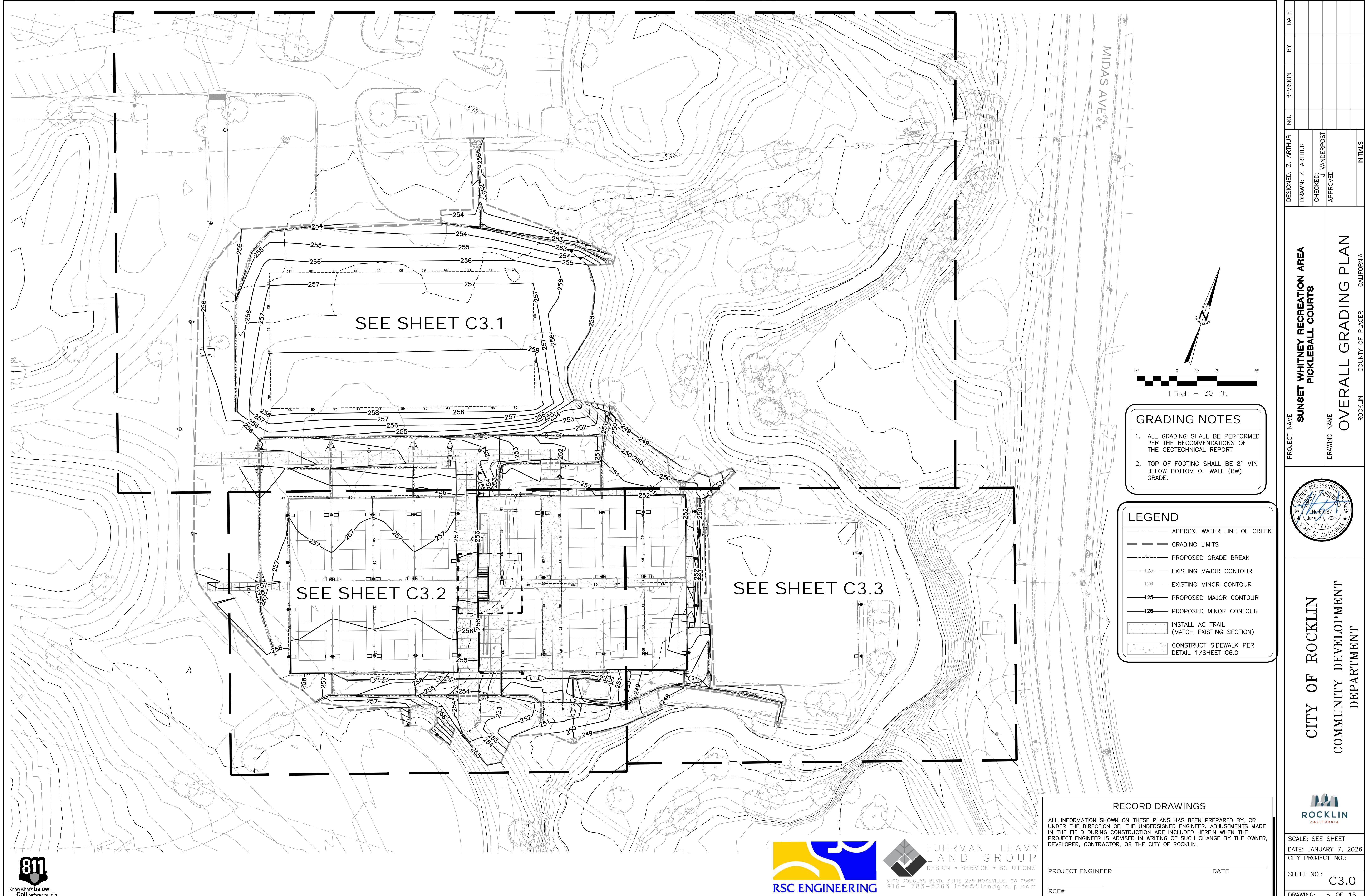
BUILDING OVEREXCAVATION: $(-0.10')$ TO $(+0.10')$
AC OR PCC: $0.00'$ TO $(+0.05')$
PAVEMENT SUBGRADES: $0.00'$ TO $(-0.10')$
ROUGH GRADING: $(-0.10')$ TO $(+0.10')$
TOP OF CURBS: $0.00'$ TO $(+0.05')$

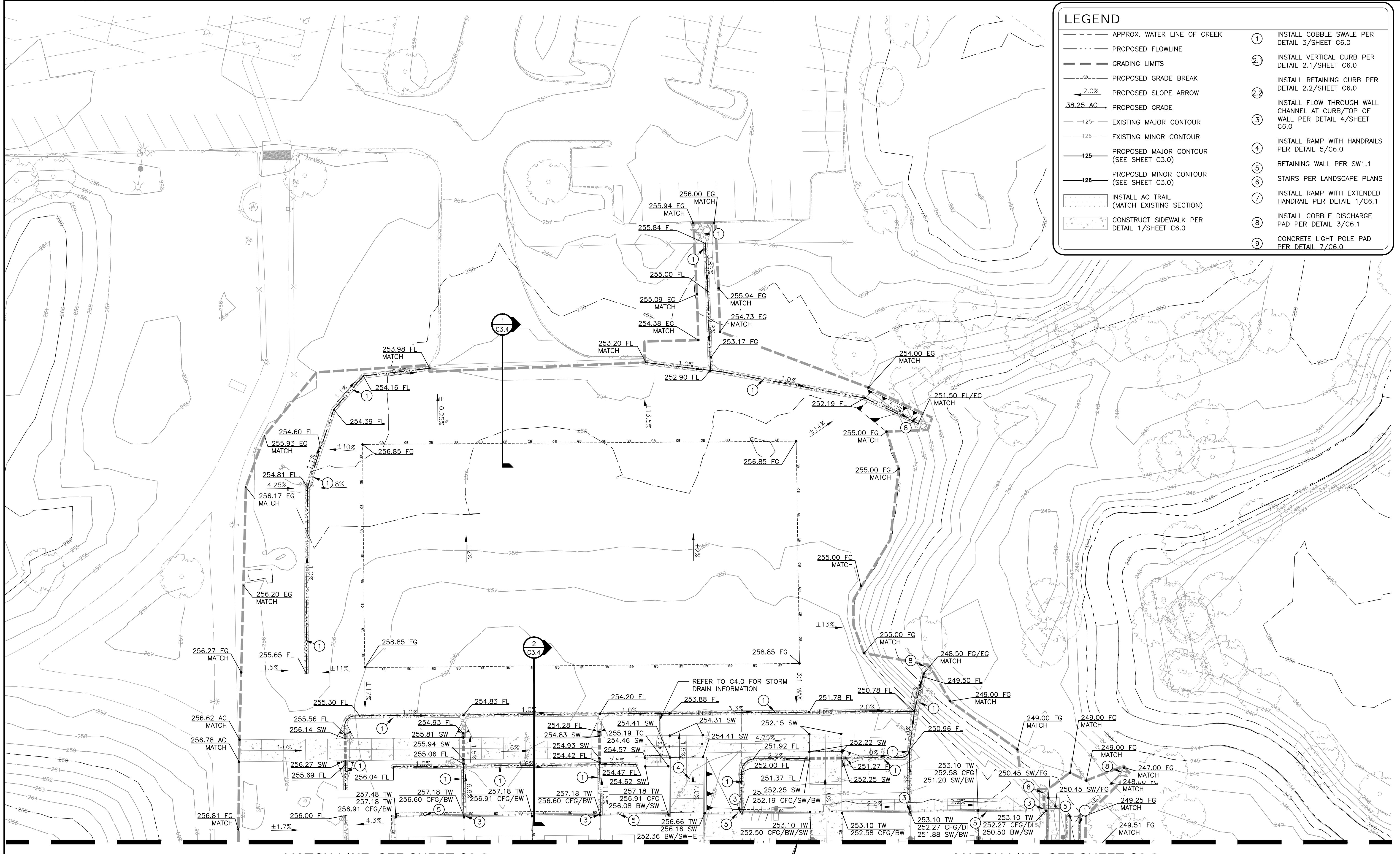
SITE PREPARATION

- CLEARANCE FOR IMPROVEMENT AREAS (INCLUDING PROPOSED LANDSCAPING AREAS) SHALL INCLUDE REMOVAL OF SURFACE VEGETATION, ANY AND ALL SOILS, DISTURBED SOILS, RUBBISH, UNWANTED CONSTRUCTION DEBRIS/PAVEMENTS/ABANDONED FEATURES.
- UNWANTED TREES (MARKED ON PLANS) AND ASSOCIATED ROOTS EXCEEDING ONE-HALF INCH (1") DIAMETER AND ROOT BALLS SHALL BE REMOVED.
- EXISTING UNWANTED PIPES AND ROOTS (EXCEEDING ONE-HALF INCH (1") DIAMETER) SHALL BE REMOVED WITHIN TWO FEET (2') OF PROPOSED GRADES.
- SITE SHALL BE PREPARED PER RECOMMENDATION OF GEOCON CONSULTANTS, INC. "LIMITED GEOTECHNICAL INVESTIGATION SUNSET WHITNEY RECREATION AREA (SWRA) PICKLEBALL COURTS" REPORT DATED SEPTEMBER 22, 2025.

DATE: BY:

DATE: <input type





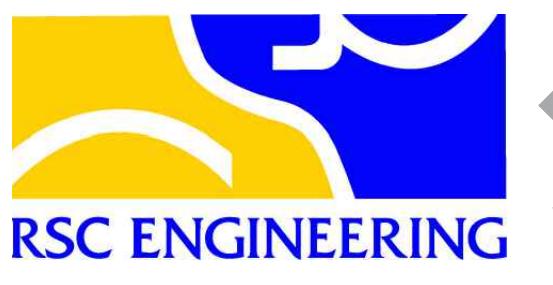
MATCH LINE, SEE SHEET C3.2

MATCH LINE, SEE SHEET C3.3

GRADING NOTES

- ALL GRADING SHALL BE PERFORMED PER THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT
- TOP OF FOOTING SHALL BE 8" MIN BELOW BOTTOM OF WALL (BW) GRADE.

1 inch = 20 ft.



FUHRMAN LEAMY
 LAND GROUP
 DESIGN • SERVICE • SOLUTIONS

3400 DOUGLAS BLVD, SUITE 275 ROSEVILLE, CA 95661
 916 - 783-5263 info@flandgroup.com

RECORD DRAWINGS

ALL INFORMATION SHOWN ON THESE PLANS HAS BEEN PREPARED BY, OR
 UNDER THE DIRECTION OF THE UNDERSIGNED ENGINEER. ADJUSTMENTS MADE
 IN THE FIELD DURING CONSTRUCTION ARE INCLUDED HEREIN WHEN THE
 PROJECT ENGINEER IS ADVISED IN WRITING OF SUCH CHANGE BY THE OWNER,
 DEVELOPER, CONTRACTOR, OR THE CITY OF ROCKLIN.

PROJECT ENGINEER _____ DATE _____

RCE# _____

NO.	REVISION	BY	DATE
1			
2			
3			
4			
5			
6			
7			
8			
9			

INITIALS
DESIGNED: Z. ARTHUR
DRAWN: Z. ARTHUR
CHECKED: J. VANDERPOST
APPROVED

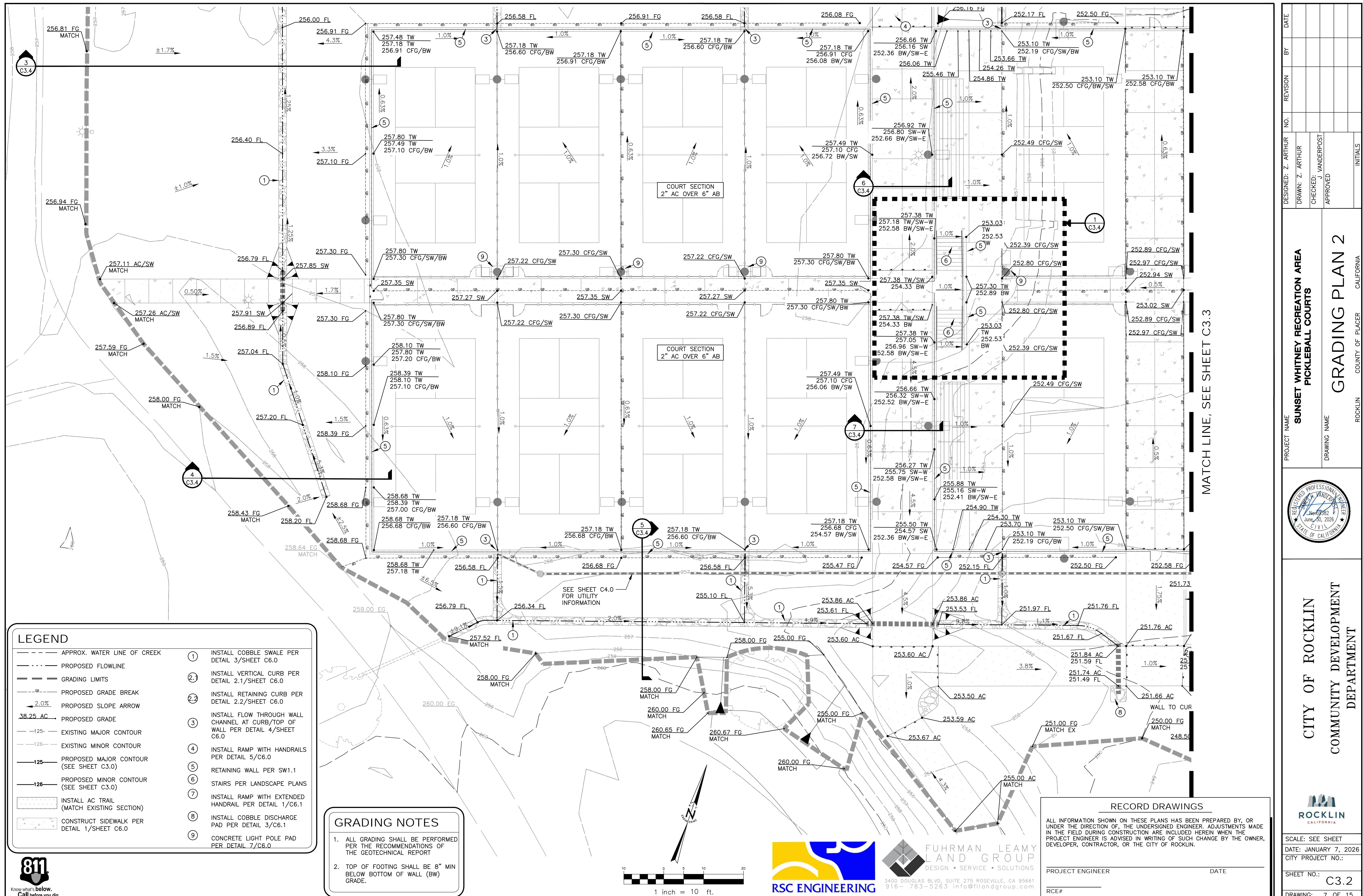
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 DRAWING NAME GRADING PLAN 1

ROCKLIN COUNTY OF PLACER CALIFORNIA

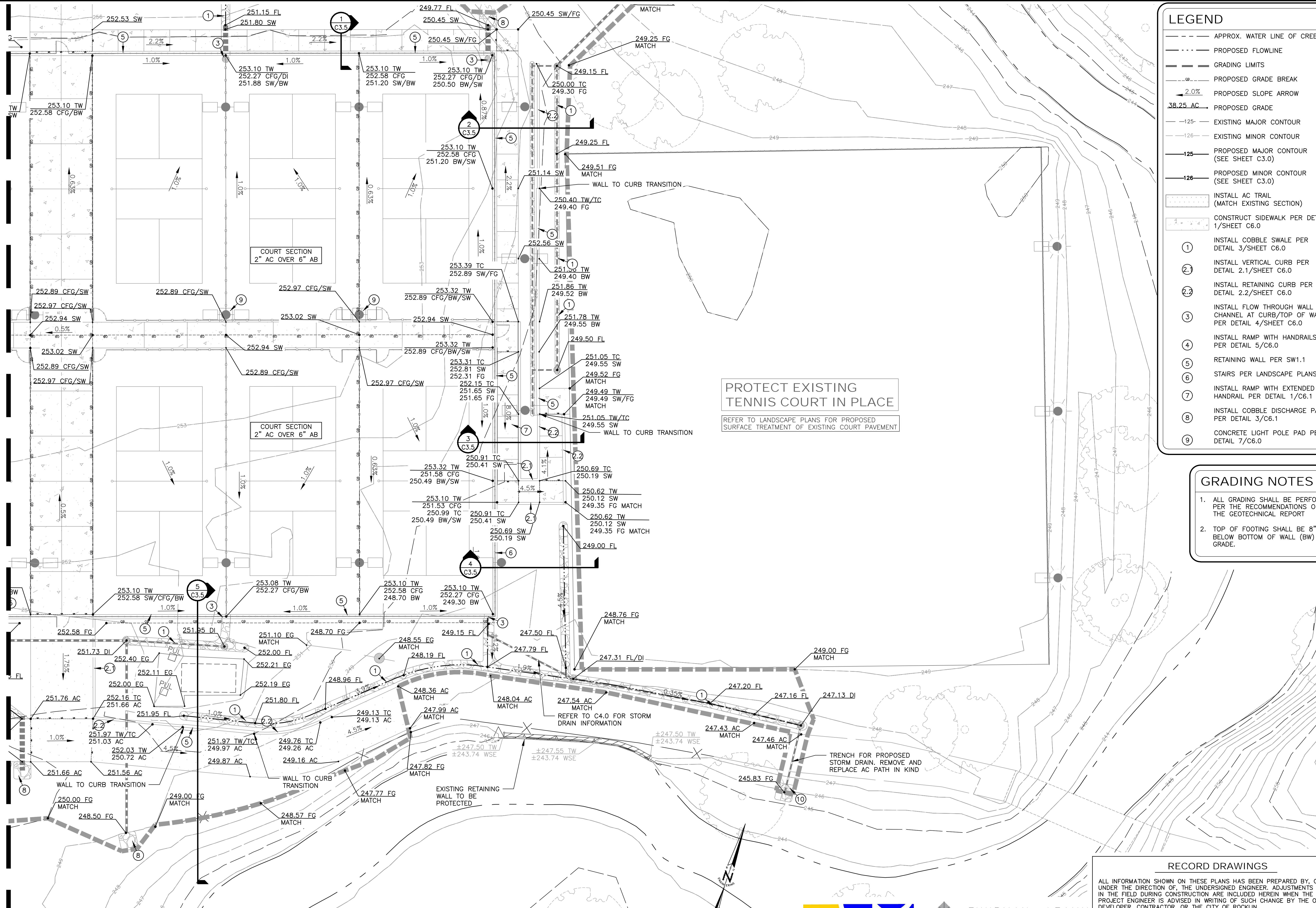


811
 Know what's below.
 Call before you dig.

SCALE: SEE SHEET
 DATE: JANUARY 7, 2026
 CITY PROJECT NO.:
 SHEET NO.: C3.1
 DRAWING: 6 OF 15



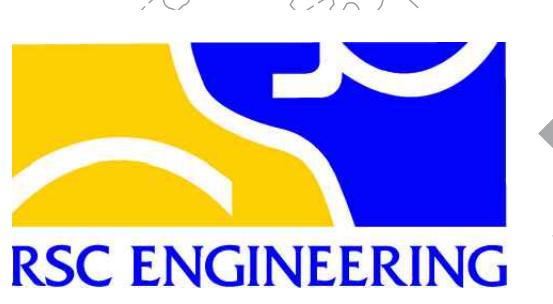
MATCH LINE, SEE SHEET C3.2



CITY OF ROCKLIN
COMMUNITY DEVELOPMENT
DEPARTMENT



SCALE: SEE SHEET
DATE: JANUARY 7, 2026
CITY PROJECT NO.:
SHEET NO.: C3.3
DRAWING: 8 OF 15



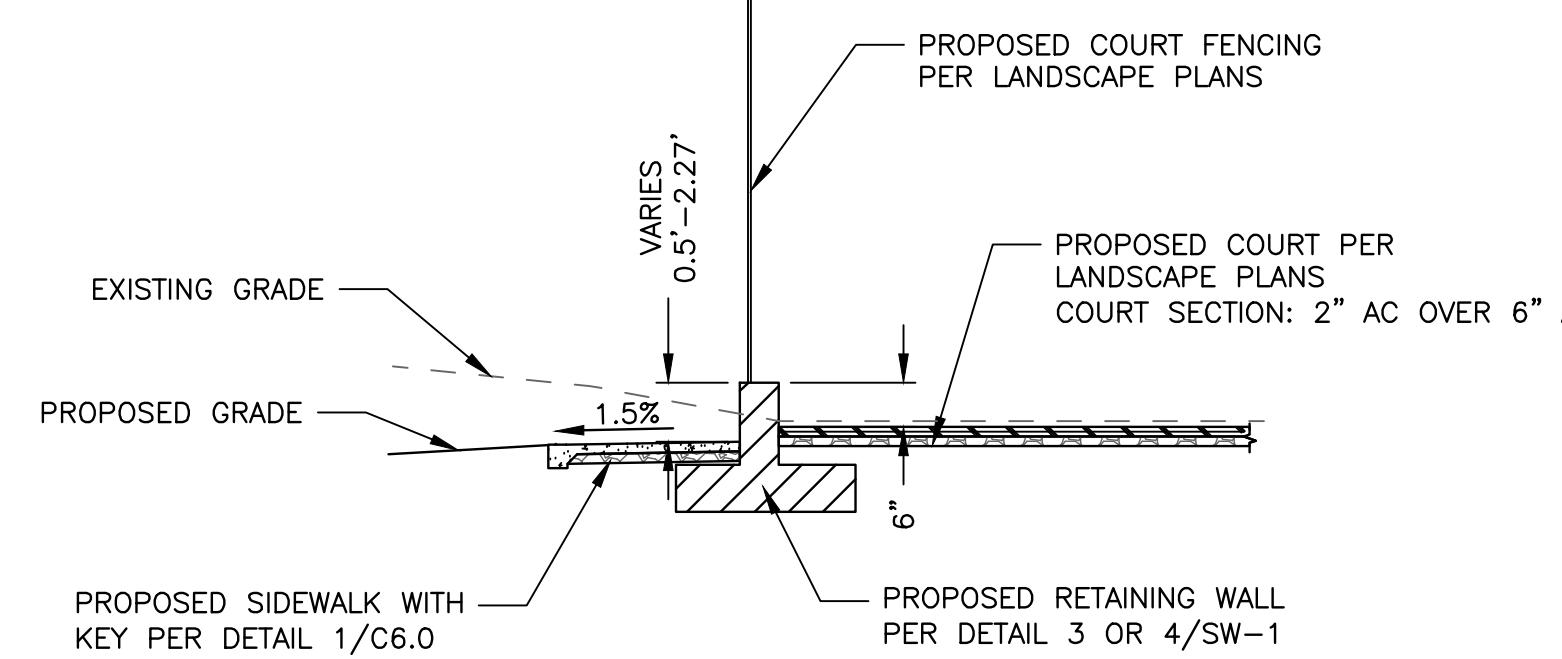
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916 - 783-5263 info@flandgroup.com

PROJECT ENGINEER _____ DATE _____

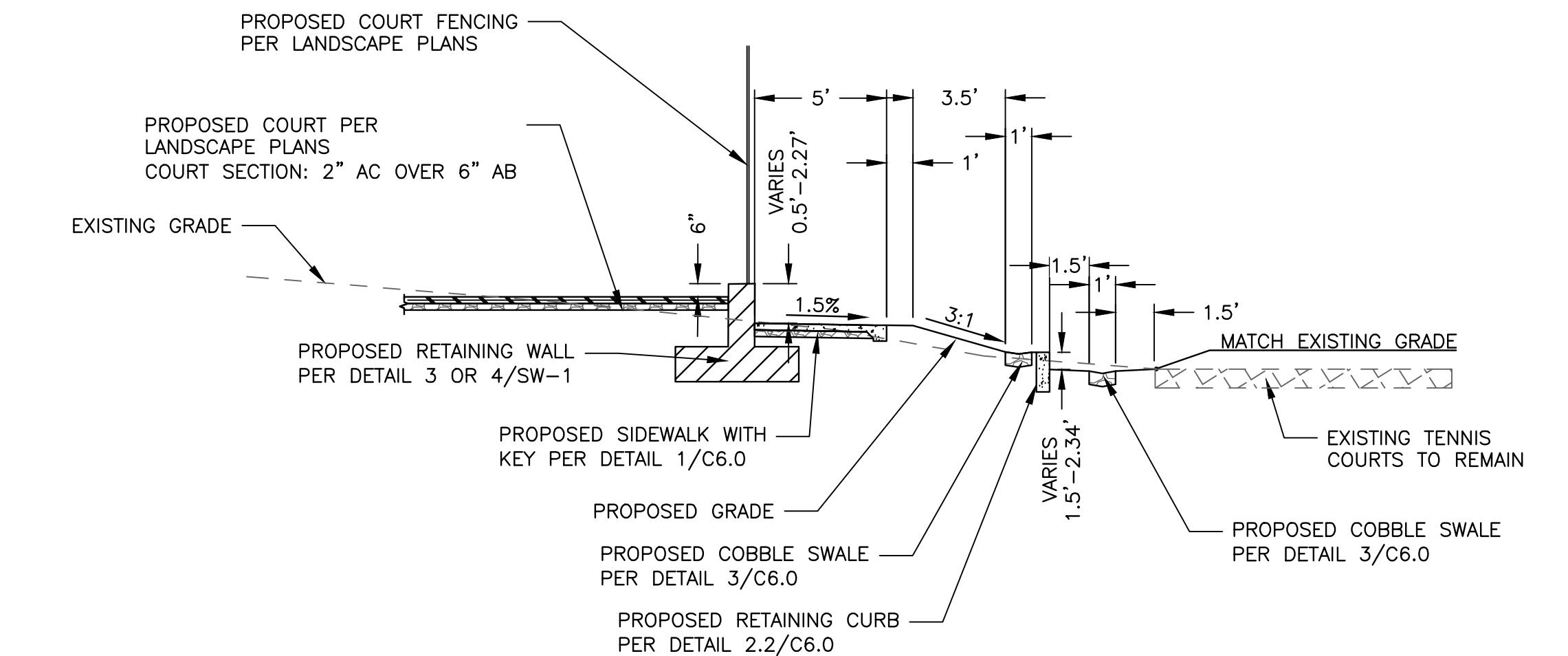
RCE# _____

DESIGNED: Z. ARTHUR	NO.:	REVISION:	BY:	DATE:
DRAWN: Z. ARTHUR				
CHECKED: J. VANDERPOST				
APPROVED:				
INITIALS _____				

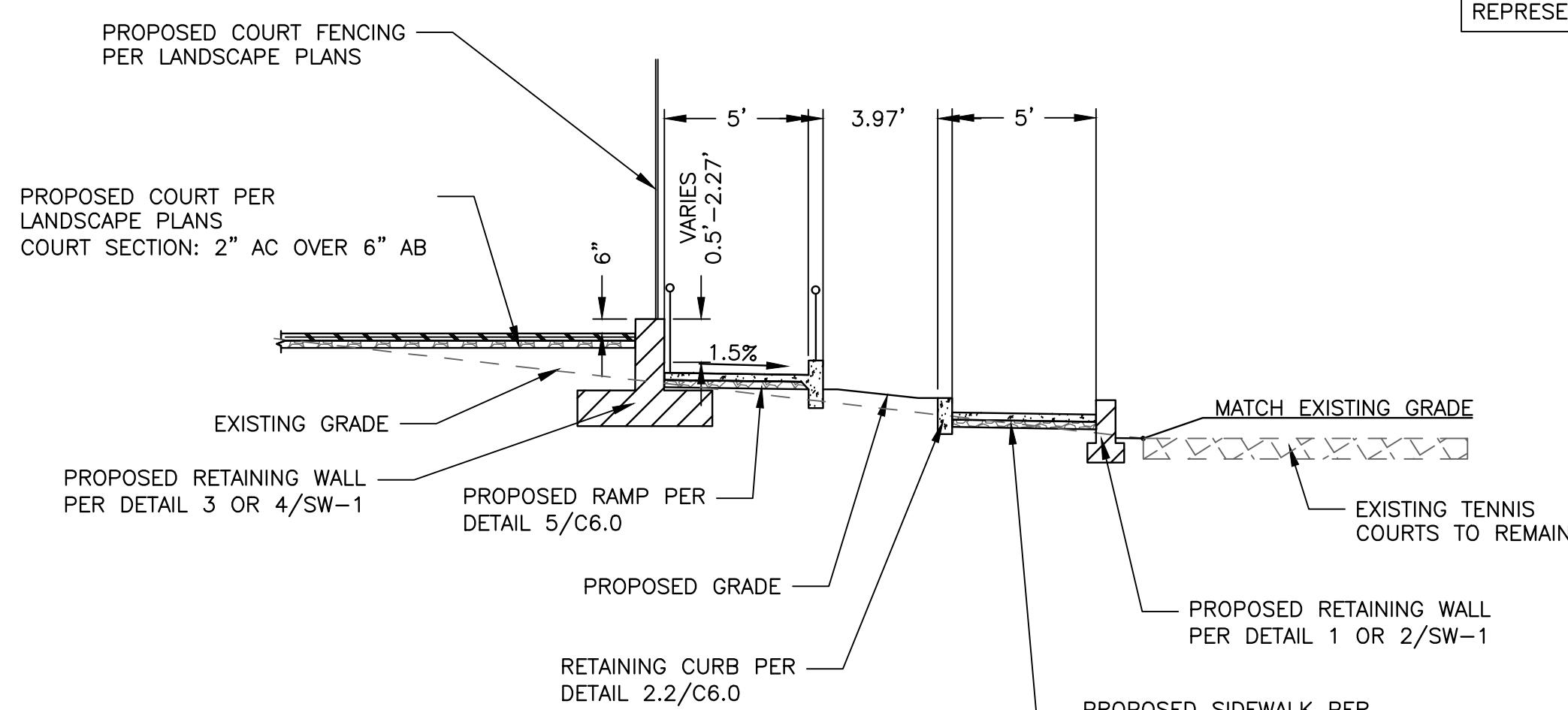
PROJECT NAME SUNSET WHITNEY RECREATION AREA
DRAWING NAME GRADING PLAN 3
LOCATION COUNTY OF PLACER, CALIFORNIA
REGISTERED PROFESSIONAL CIVIL ENGINEER No. 69382
June 30, 2026
STATE OF CALIFORNIA



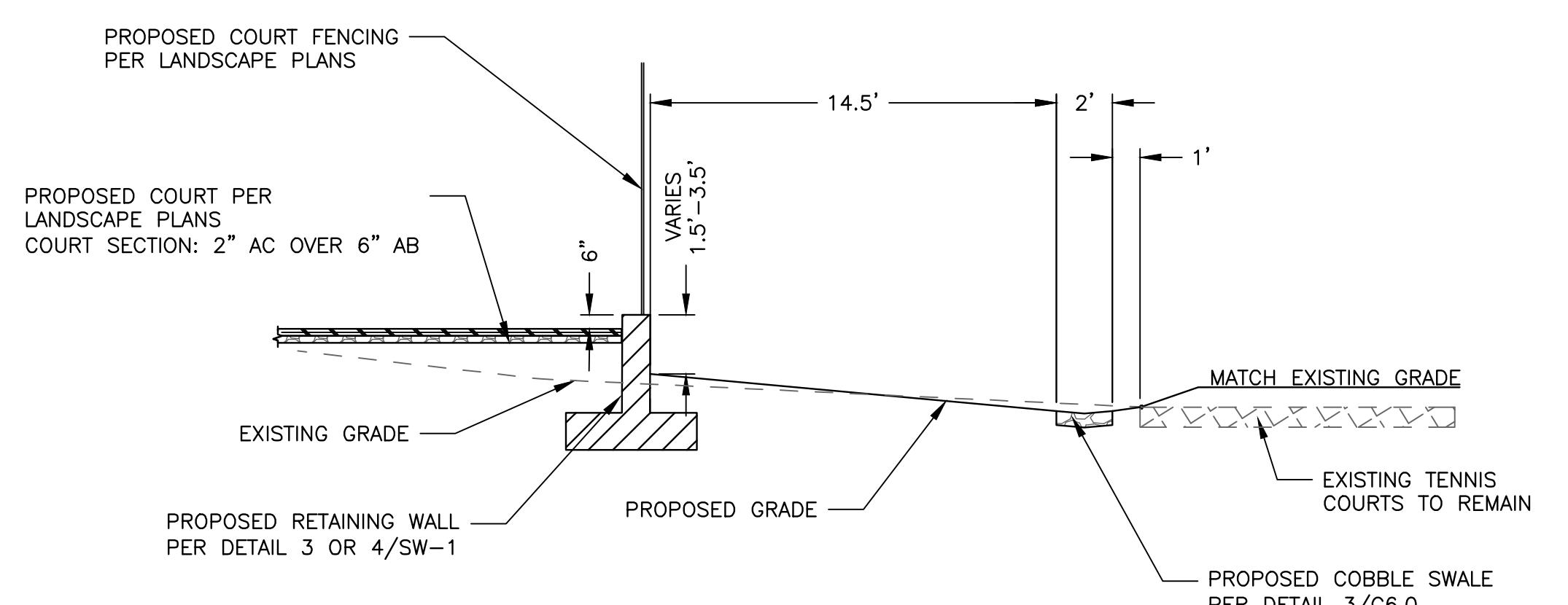
1 CROSS SECTION 1



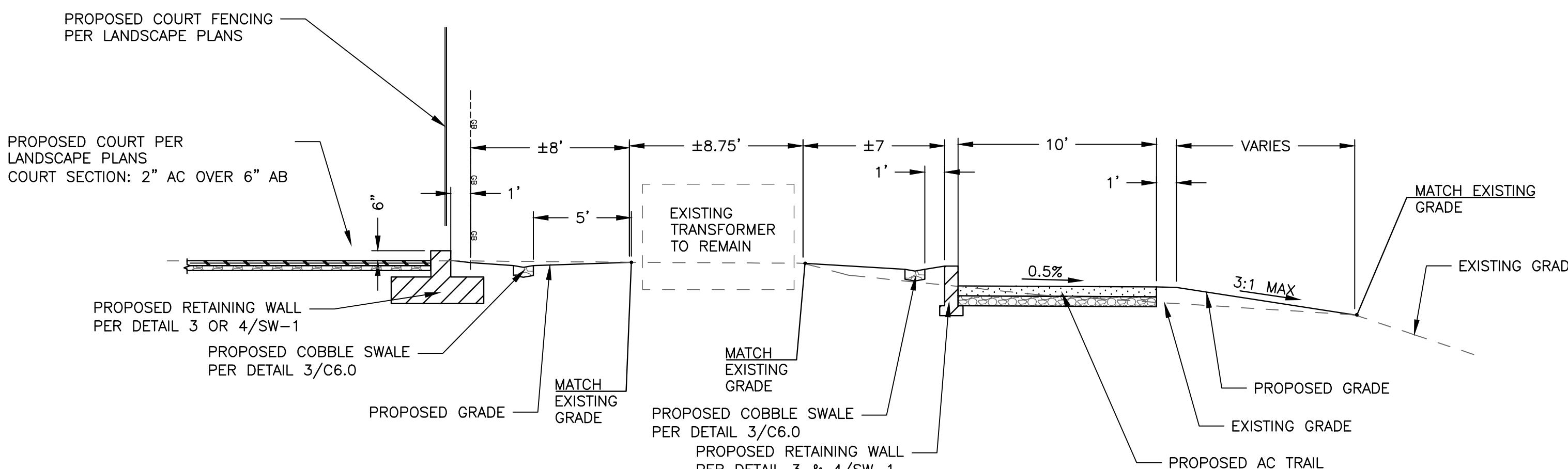
CROSS SECTION 2



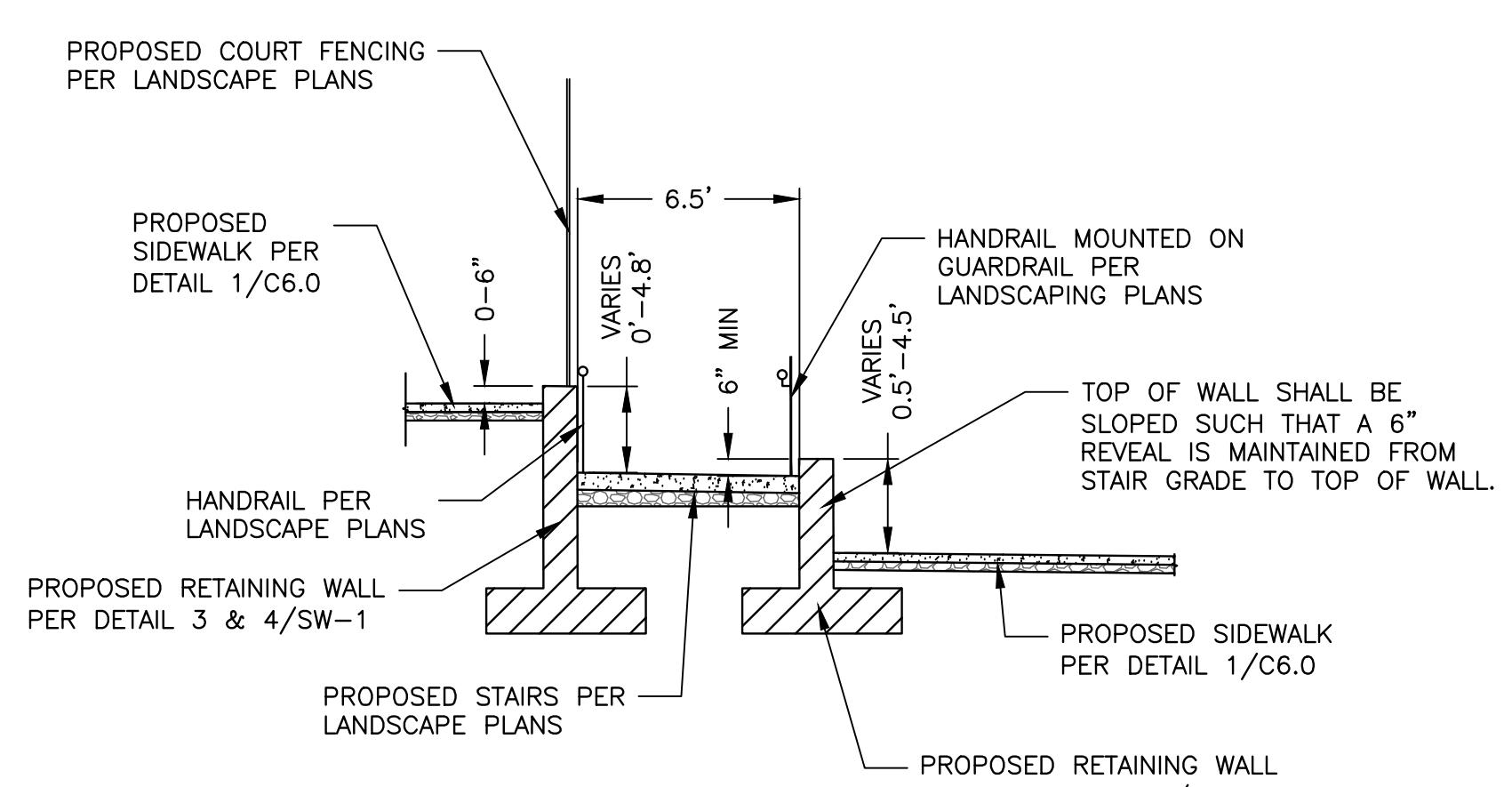
3 CROSS SECTION 3



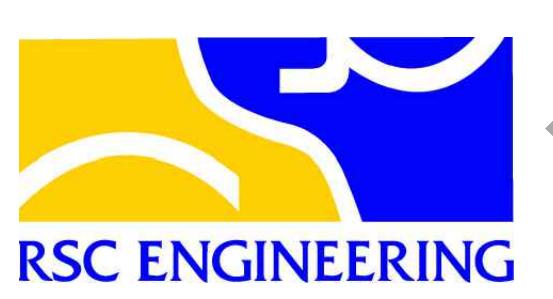
CROSS SECTION 4



CROSS SECTION 5



CROSS SECTION 6



The image features the Fuhrman Leamy Land Group logo on the left, consisting of a stylized geometric design of overlapping triangles in grey and black. To the right of the logo, the company name 'FUHRMAN LEAMY LAND GROUP' is written in a large, sans-serif font, with 'DESIGN • SERVICE • SOLUTIONS' in a smaller font below it. At the bottom, the address '3400 DOUGLAS BLVD, SUITE 275 ROSEVILLE, CA 95661' and phone number '916-783-5263' are listed, followed by the email 'info@fllandgroup.com'.

RECORD DRAWINGS

PROJECT ENGINEER _____ DATE _____

RCE# _____

DESIGNED: Z. ARTHUR	NO.	REVISION	BY	DATE
DRAWN: Z. ARTHUR				
CHECKED: J. VANDERPOST				
APPROVED				
INITIALS				

NAME _____

**SUNSET WHITNEY RECREATION AREA
PICKLEBALL COURTS**

NAME _____

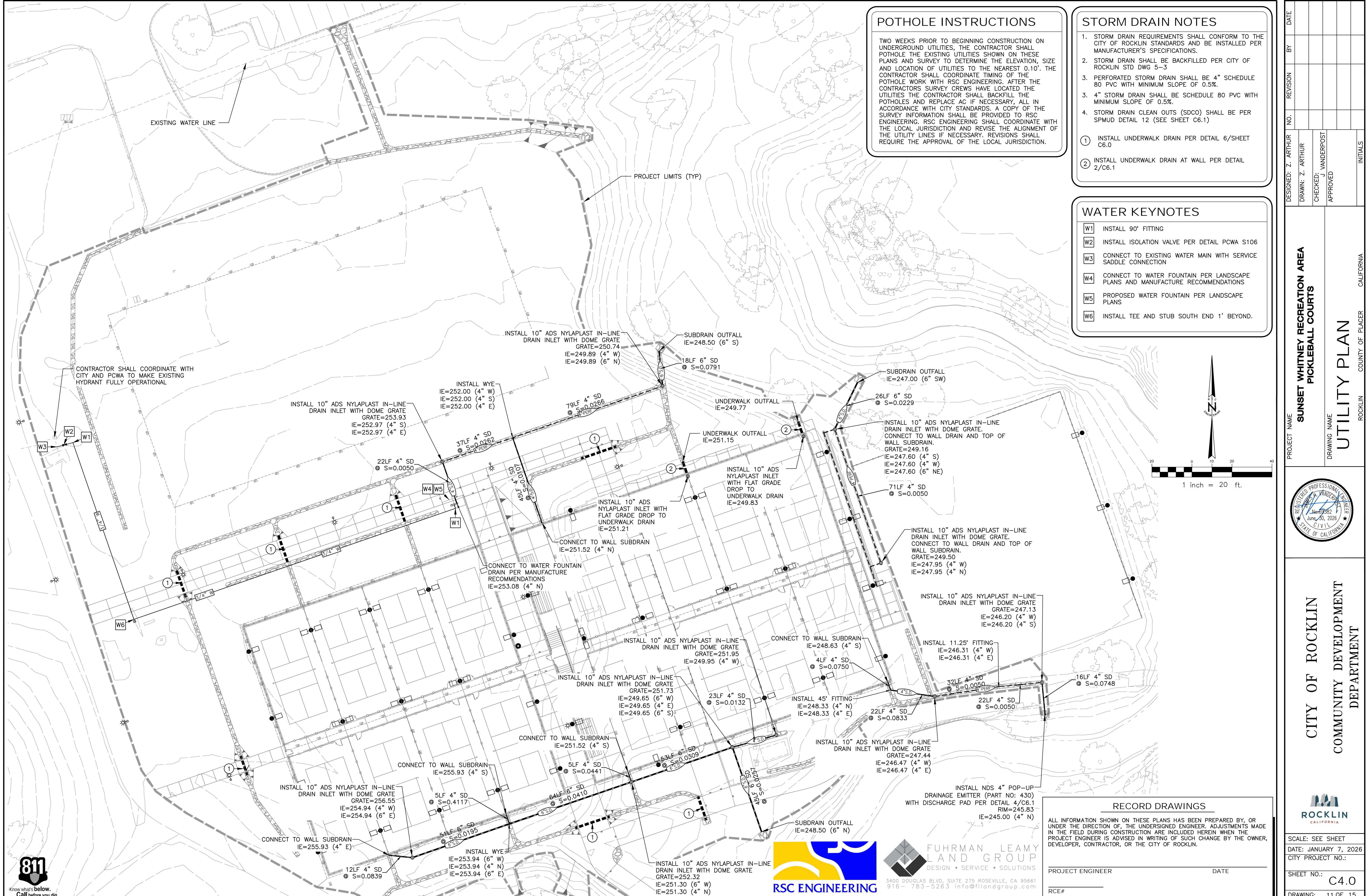
GRADING SECTIONS 2

ROCKLIN COUNTY OF PLACER CALIFORNIA

A circular registration stamp for James H. Vanderpost. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "CIVIL" at the bottom. The center contains "JAMES H. VANDERPOST" above "No. 69382" and "June 30, 2026". The bottom half of the center contains "STATE OF CALIFORNIA". The entire stamp is crossed out with a large blue X.

**CITY OF ROCKLIN
COMMUNITY DEVELOPMENT
DEPARTMENT**

ROCKLIN
CALIFORNIA



EROSION CONTROL NOTES	
1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE CURRENT EDITION OF THE CITY OF ROCKLIN IMPROVEMENT STANDARDS.	
2. EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE INSTALLED AND MAINTAINED DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). SEDIMENT CONTROL BMP'S SHALL BE INSTALLED AND MAINTAINED YEAR ROUND.	
3. ALL DRAINAGE INLETS IMMEDIATELY DOWN STREAM OF THE WORK AREAS AND WITHIN THE WORK AREAS SHALL BE PROTECTED WITH SEDIMENT CONTROL AND INLET FILTER BAGS YEAR ROUND. INLET FILTER BAGS SHALL BE REMOVED FROM THE DRAINAGE INLETS UPON ACCEPTANCE OF THE PUBLIC IMPROVEMENTS BY THE CITY.	
4. ALL STABILIZED CONSTRUCTION ENTRANCES LOCATIONS SHALL BE CONSTRUCTED WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES PAVED AREAS. THE STABILIZED ACCESS SHALL BE MAINTAINED A YEAR ROUND BASIS UNTIL THE COMPLETION OF THE CONSTRUCTION.	
5. ALL AREAS DISTURBED DURING CONSTRUCTION BY GRADING, TRENCHING, OR OTHER ACTIVITIES, SHALL BE PROTECTED FROM EROSION AND SEDIMENT. HYDROSEED UTILIZED MUST BE PLACED BY SEPTEMBER 15. HYDROSEED PLACED DURING THE WET SEASON SHALL USE A SECONDARY EROSION PROTECTION MEASURE.	
6. SENSITIVE AREAS AND AREAS WHERE EXISTING VEGETATION IS BEING PRESERVED SHALL BE PROTECTED WITH CONSTRUCTION FENCING. SEDIMENT CONTROL BAGS SHALL BE INSTALLED WHERE ACTIVE CONSTRUCTION AREAS DRAIN INTO SENSITIVE OR PRESERVED VEGETATION AREAS.	
7. SEDIMENT CONTROL BMP'S SHALL BE PLACED ALONG THE PROJECT PERIMETER WHERE DRAINAGE LEAVES THE PROJECT. SEDIMENT CONTROL BMP'S SHALL BE MAINTAINED YEAR ROUND UNTIL THE CONSTRUCTION IS COMPLETE OR THE DRAINAGE PATTERN HAS BEEN CHANGED AND NO LONGER LEAVES THE SITE.	
8. EROSION AND SEDIMENT CONTROL MEASURES FOR THE PROJECT SHALL BE IN SUBSTANTIAL COMPLIANCE AT ALL TIMES WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT IN ACCORDANCE WITH THE STATE OF CALIFORNIA GENERAL CONSTRUCTION PERMIT. THIS PERMIT REQUIRES THAT THE SWPPP IS TO BE AVAILABLE ON SITE AT ALL TIMES FOR REVIEW BY STATE AND LOCAL INSPECTORS.	
9. EFFECTIVE EROSION CONTROL BMP'S SHALL BE IN PLACE PRIOR TO ANY STORM EVENTS.	
10. SWPPP SHALL BE PREPARED BY A QSD, AND MAINTAINED BY A QSP.	
DUST CONTROL NOTES	
1. WATER SHALL BE SUPPLIED AND APPLIED IN SUFFICIENT QUANTITY AND COVERAGE OF DISTURBED AREAS TO MINIMIZE DUST EMISSIONS. ALL VISIBLY DRY DISTURBED SOIL SURFACE AREAS OF OPERATION SHALL BE WATERED TO MINIMIZE DUST EMISSIONS.	
2. HAUL VEHICLES EMPLOYED IN TRANSPORTING IMPORTED BORROW, SURPLUS EXCAVATED MATERIAL, SOIL OR SOIL AMENDMENTS INTO OR OUT OF THE PROPERTY SHALL BE COVERED.	
3. WHERE SOIL IS TRACED ONTO EXISTING PAVED ROADWAYS BY CONSTRUCTION OR OTHER VEHICLES, SUCH ROADWAYS SHALL BE IMMEDIATELY CLEANED BY HAND TOOLS, WET-SWEEPING OR OTHER ACCEPTABLE METHODS TO MINIMIZE DUST EMISSIONS.	
4. ALL VEHICLES AND EQUIPMENT, INCLUDING EMPLOYEE VEHICLES AND EQUIPMENT AND MATERIALS DELIVERY VEHICLES, SHALL BE OPERATED AT SPEEDS THAT MINIMIZE DUST EMISSIONS.	
5. DESIGNATED PARKING AND STAGING AREAS SHOWN ON THE PLANS SHALL BE USED FOR CONSTRUCTION EMPLOYEE PARKING TO MINIMIZE EMISSIONS.	
6. THE CONSTRUCTION ENTRANCES SHALL BE STABILIZED AS SHOWN ON THE PLANS AND AS RECOMMENDED IN THE STORM WATER POLLUTION PREVENTION PLAN.	
7. SOIL STOCKPILES SHALL BE COVERED, WATERED OR OTHERWISE STABILIZED TO MINIMIZE DUST EMISSIONS.	

GENERAL NOTES											
THIS PLAN SHALL BE USED IN CONJUNCTION WITH THE BMP MEASURES AS OUTLINED IN THE SWPPP. IN THE EVENT OF CONFLICT, THE MORE STRINGENT MEASURES SHALL APPLY.											
CONSTRUCTION SCHEDULE											
GRADING 2025											
UTILITIES 2025											
PAVING 2025											
ACREAGE SUMMARY											
PROJECT SITE AREA (NET) 3.21 ACRES											
ON-SITE DISTURBED AREA 3.21 ACRES											
BMP SCHEDULE											
WET SEASON (OCT 1-APRIL 30)											
CONSTRUCTION PHASE	HYDROSEED	STRAW WATTLE AND TACKER	RESERVATION OF EXISTING VEGETATION	CONTAINMENT BERM / DITCHES (OR CONSTRUCTION CONTROLS)	FIBER ROLLS	DUST CONTROL	SAND/GRAVEL BAG BARRIERS	STORM DRAIN PROTECTION	DEWATERING	DI STENCILING	STABILIZED CONSTRUCTION ENTRANCE
PRE-GRADING	●	●	●	●	●	●	●	●	●	●	●
ON-SITE EARTHWORK	●	●	●	●	●	●	●	●	●	●	●
UTILITIES	●	●	●	●	●	●	●	●	●	●	●
PAVING / CONCRETE	●	●	●	●	●	●	●	●	●	●	●

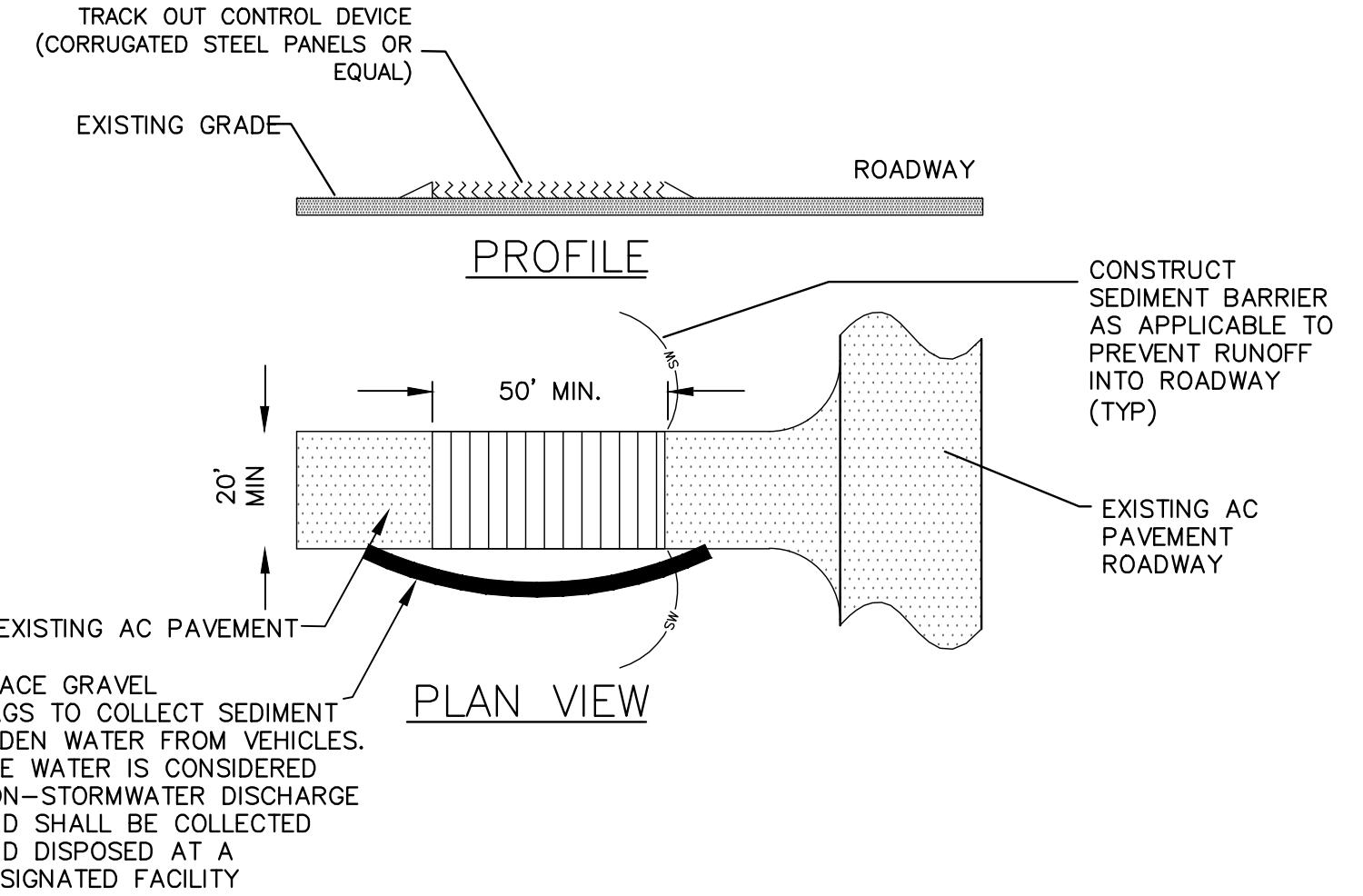
NOTE: ALL BMP'S USED DURING THE COURSE OF CONSTRUCTION SHALL BE MAINTAINED ON A CONTINUAL BASIS. ADDITIONAL MAINTENANCE MEASURES MAY BE REQUIRED FOR FIELD INSPECTIONS AND/OR RAIN EVENT ACTION PLANS (REAP) AS DETERMINED BY THE PROJECT QUALIFIED SWPPP PRACTITIONER (QSP).



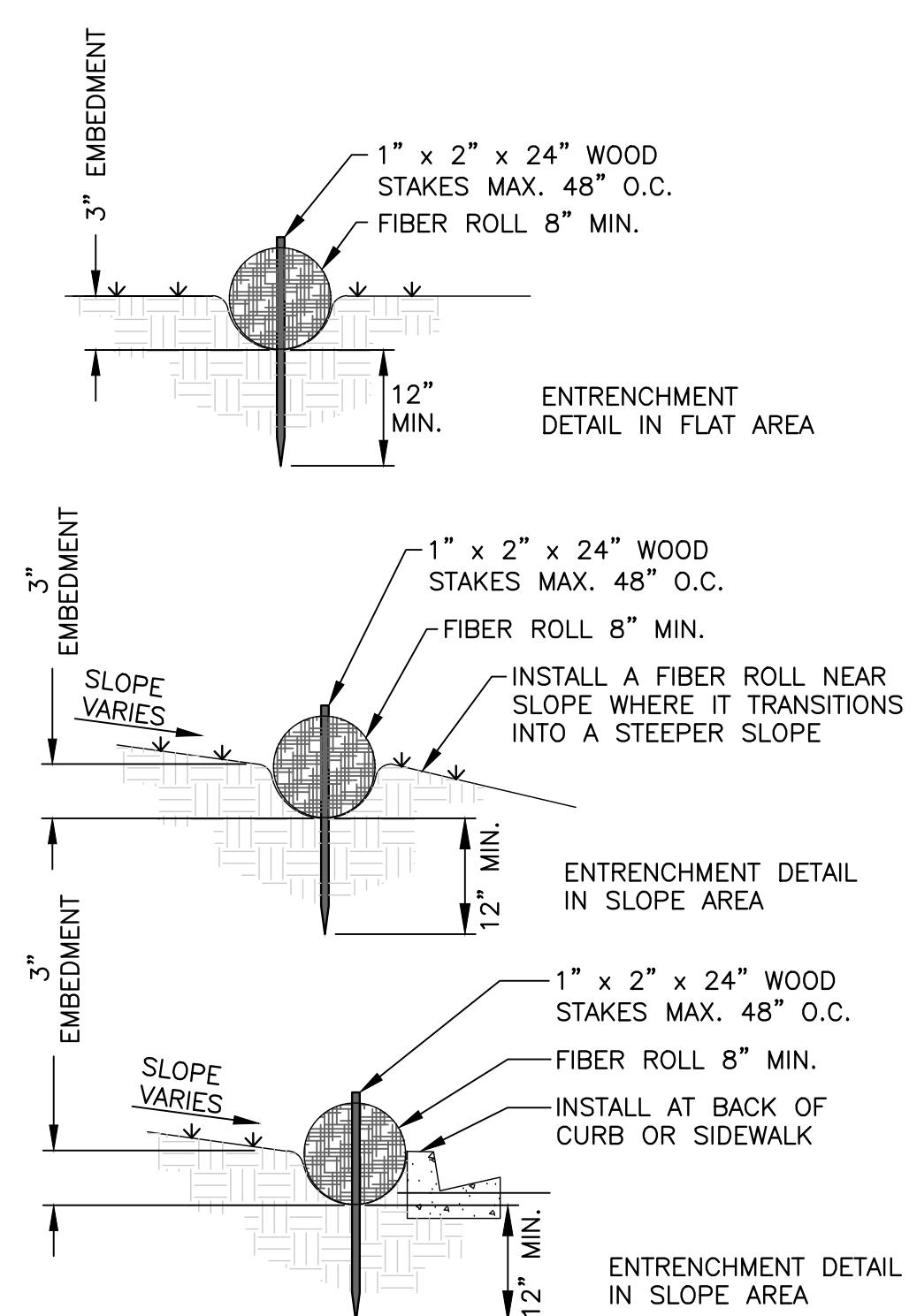
Know what's below.
Call before you dig.

CONSTRUCTION ENTRANCE NOTES:

1. LENGTH - AS EFFECTIVE, BUT NO LESS THAN 50' FEET.
2. WIDTH - MIN. 20' OR NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
3. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT INTO PUBLIC ROADWAYS. THIS MAY REQUIRE PERIODIC SWEEPING/CLEANING AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO ROADWAY SHALL BE REMOVED IMMEDIATELY.
4. INSTALLATION - DEVICE SHALL BE SECURELY PLACED AT ENTRANCE/EXIT IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO PREVENT MOVEMENT WHEN IN USE. ANY DAMAGE TO THE EXISTING PAVED SURFACE SHALL BE REPAIRED TO THE ORIGINAL OR BETTER CONDITION.
5. ALL PAVEMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR.



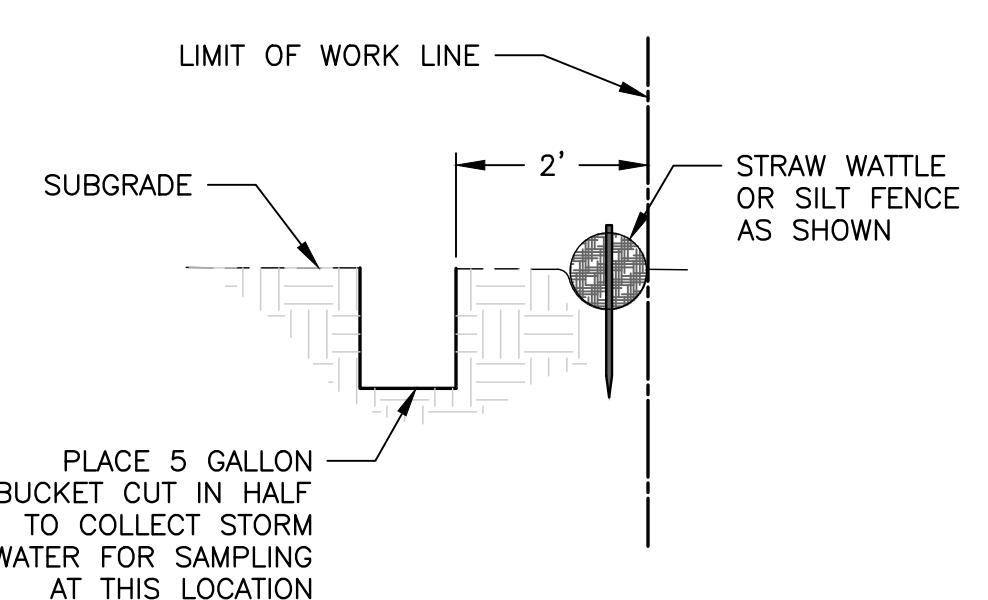
1 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



2.1 STRAW WATTLE
NOT TO SCALE



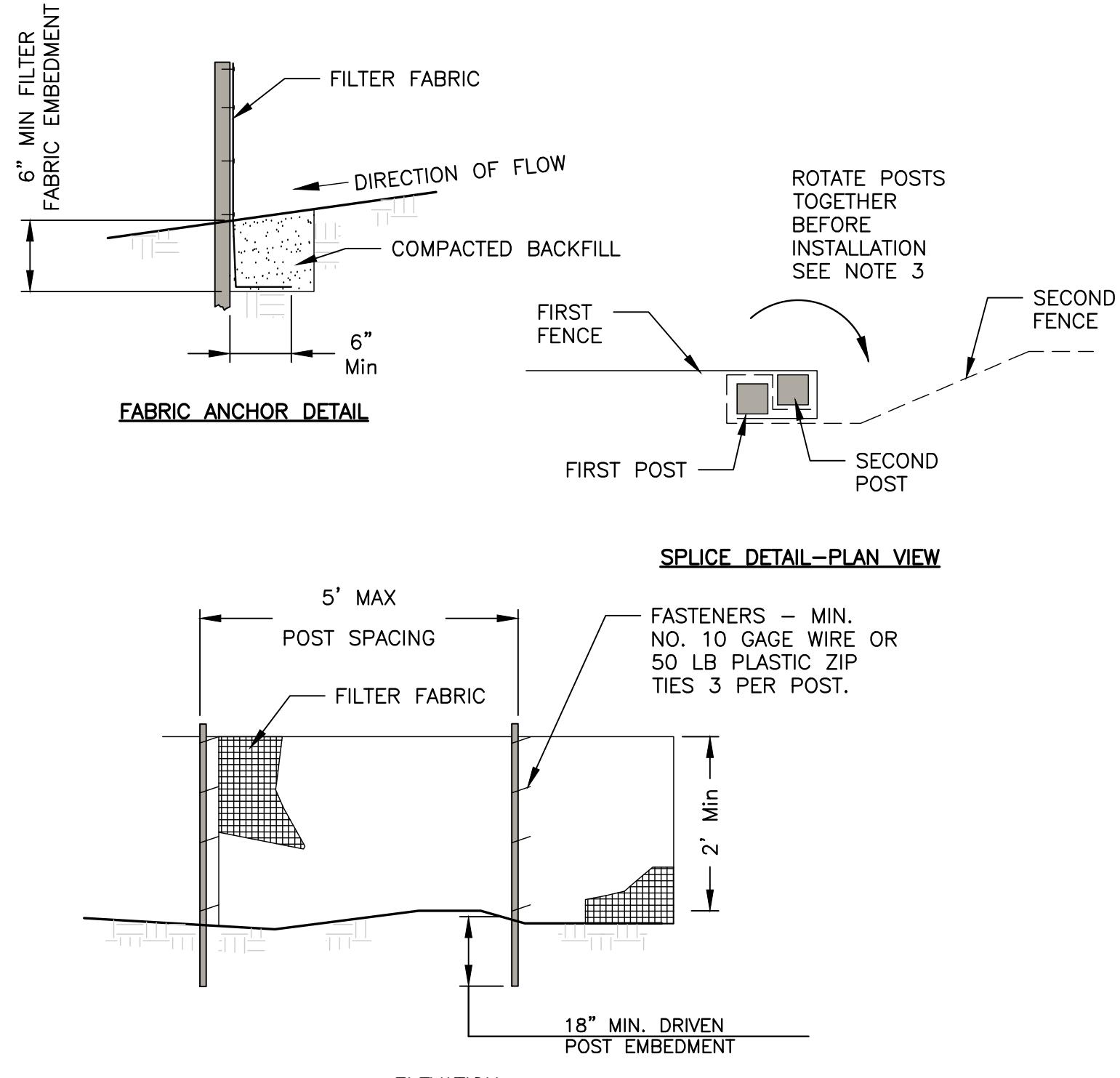
3 TEMP. CONCRETE WASHOUT
NOT TO SCALE



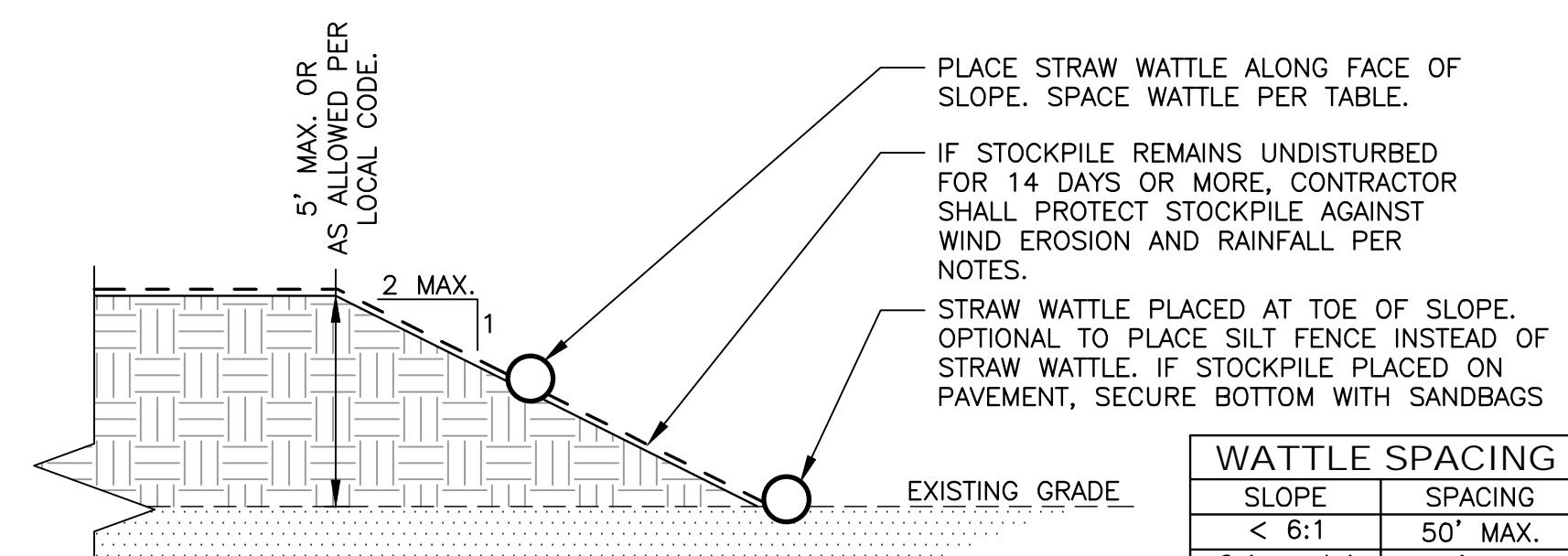
5 SAMPLING BUCKET
NOT TO SCALE

SILT FENCE NOTES:

1. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS L WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
2. FENCE POSTS SHALL BE EITHER WOOD POST WITH A MINIMUM CROSS-SECTIONAL AREA OF 1.5" X 1.5" OR A STANDARD STEEL POST.
3. WHEN SPLICES ARE NECESSARY MAKE SPLICE AT POST ACCORDING TO SPLICE DETAIL. PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE. ROTATE BOTH POSTS TOGETHER AT LEAST 180 DEGREES TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL. CUT THE FABRIC NEAR THE BOTTOM OF THE POSTS TO ACCOMMODATE THE 6 INCH FLAP. THEN DRIVE BOTH POSTS AND BURY THE FLAP. COMPACT BACKFILL WELL.



2.2 SILT FENCE
NOT TO SCALE



1. PROTECT ALL STOCKPILES FROM STORM WATER RUN ON USING TEMPORARY PERIMETER SEDIMENT BARRIERS SUCH AS COMPOST BERMS, TEMPORARY SILT DIKES, FIBER ROLLS, SILT FENCES, SAND BAGS, GRAVEL BAGS, OR BIOFILTER BAGS.
2. ENSURE THAT STOCKPILE COVERINGS ARE INSTALLED SECURELY TO PROTECT FROM WIND AND RAIN.
3. SOME PLASTIC COVERS WITHSTAND WEATHER AND SUNLIGHT BETTER THAN OTHERS. SELECT COVER MATERIALS OR METHODS BASED ON ANTICIPATED DURATION OF USE.
4. SOIL STOCKPILES SHOULD BE COVERED OR PROTECTED WITH SOIL STABILIZATION MEASURES AND TEMPORARY PERIMETER SEDIMENT BARRIER AT ALL TIMES.
5. TEMPORARY VEGETATION SHOULD BE CONSIDERED FOR TOP SOIL PILES THAT WILL BE STOCKPILED FOR EXTENDED PERIODS.

4 STOCKPILE STABILIZATION
NOT TO SCALE

RECORD DRAWINGS

ALL INFORMATION SHOWN ON THESE PLANS HAS BEEN PREPARED BY, OR UNDER THE DIRECTION OF, THE UNDERSIGNED ENGINEER. ADJUSTMENTS MADE IN THE FIELD DURING CONSTRUCTION ARE INCLUDED HEREIN WHEN THE PROJECT ENGINEER IS ADVISED IN WRITING OF SUCH CHANGE BY THE OWNER, DEVELOPER, CONTRACTOR, OR THE CITY OF ROCKLIN.

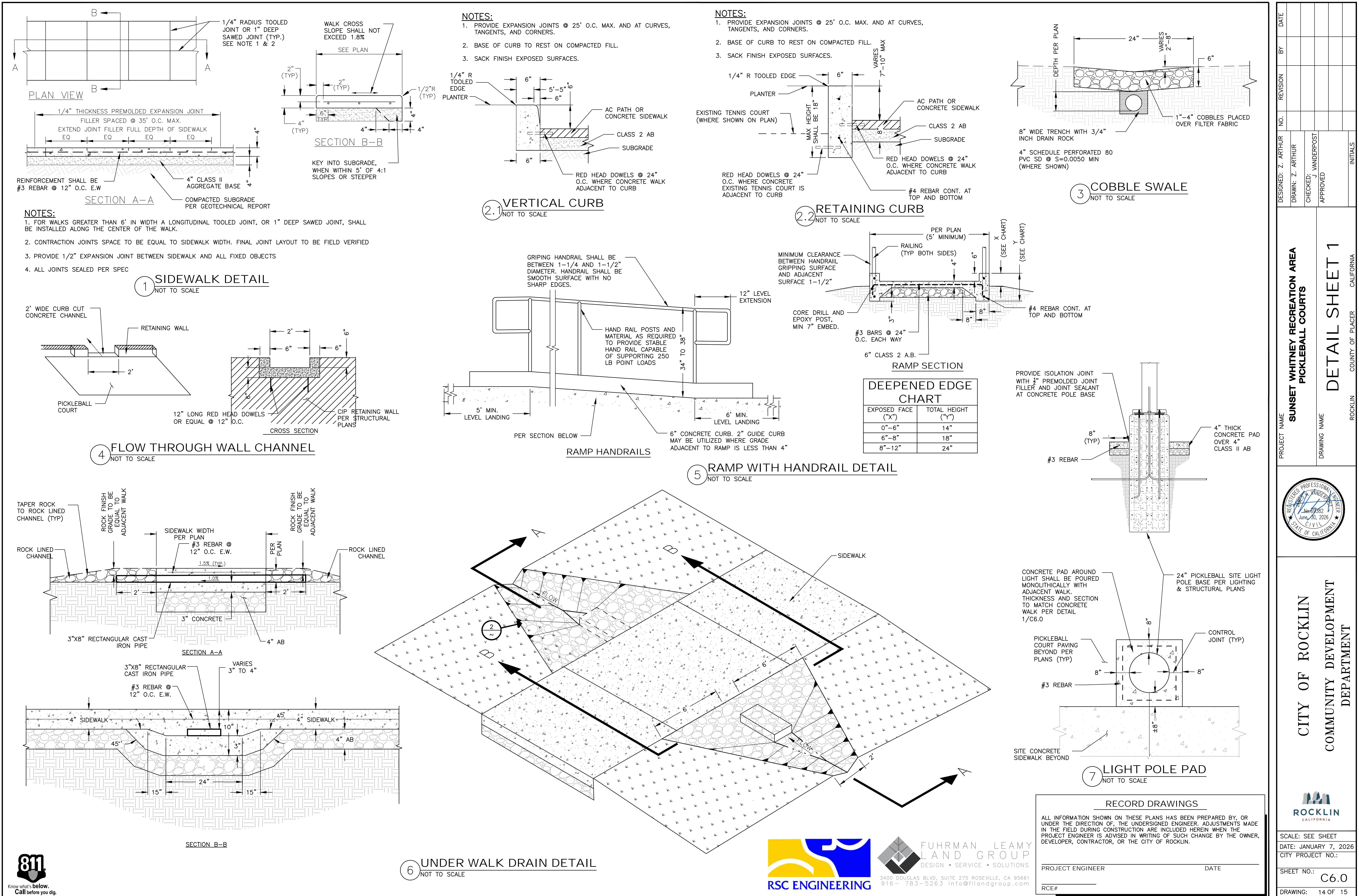
PROJECT ENGINEER _____ DATE _____

RCE# _____

DESIGNED: Z. ARTHUR	NO.:	REVISION:	BY:	DATE:
DRAWN: Z. ARTHUR				
CHECKED: J. VANDERPOST				
APPROVED:				
INITIALS				

PROJECT NAME: SUNSET WHITNEY RECREATION AREA
DRAWING NAME: SUNSET WHITNEY RECREATION AREA
CITY OF ROCKLIN
COMMUNITY DEVELOPMENT DEPARTMENT

REGISTERED PROFESSIONAL CIVIL ENGINEER
No. 69982
STATE OF CALIFORNIA
June 30, 2026



STRUCTURAL ABBREVIATIONS

AT	HDR	HEADER
AB	HOOK	HORIZONTAL
ABV	HORIZ	SEE HAS
AC	HSA	HIGH STRENGTH BOLT
ADDNL	HSB	INSIDE DIAMETER
AFF	ID	IN (")
AGG	INT	INCH
ALT	JST	INTERIOR
ALUM	JT	JOINT
APPROX	LLH	LONG LEG HORIZONTAL
ARCH	LLV	LONG VERTICAL
BN	LONG	LONGITUDINAL
BLW	LS	LAW SCREW
BEV	LWT	LIGHT WEIGHT
BLDG	LG	LONG
BLK	L.W.C.	LIGHT WEIGHT CONCRETE
BLKG	MAX	MATRIX
BM	MB	MACHINE BOLT
BOC	M.C.J.	MASONRY CONTROL JOINT
BOF	MECH	MECHANICAL
BOTT	MEZZ	MEZZANINE
BRCG	M.I.	MALLEABLE IRON
BRG	MISC	MISCELLANEOUS
BRG PL	MIW	MALLEABLE IRON WASHER
BETWEEN	MFR	MANUFACTURER
CC	MRD	METAL ROOF DECK
CIP	MTL	METAL
CTR	NIC	NOT IN CONTRACT
CL	NO	NUMBER
CLG	NOM	NOMINAL
CLR	NSG	NON-SHRINK GROUT
CMU	NTS	NOT TO SCALE
CONCRETE	OC	ON CENTER
MASONRY	OD	OUTSIDE DIAMETER
UNIT	OJ	OPEN WEB METAL JOIST
COLUMN	OPG	OPENING
COL	OPH	OPPOSITE HAND
CONCRETE	PCC	PALE CONCRETE
CONN	PC	PICE
CONSTR JT	PERP	PERPENDICULAR
CONT	PL	PLATE
DBL	PLWD	PLYWOOD
DEPR	PN	PERIMETER NAILING
DF	PSF	POUNDS PER SQUARE FOOT
DIA	PSI	POUNDS PER SQUARE INCH
DIAG	PT	POINT
DIM	R	RADIUS
DN	REINF	REINFORCING
DWG	REQ	REQUIRED
EA	SAD	SEE ARCHITECTURAL DRAWINGS
EF	SHTHG	SEATING
EN	SIM	SIMILAR
EW	SJ	SHRINKAGE JOINT
EW EF	SLH	SHORT LEG HORIZONTAL
EJ	SLV	SHORT LEG VERTICAL
EL	SM	SHEET METAL
EOS	SOG	SLAB ON GRADE
EQ	SQ	SQUARE
EXP B	SP	STRUCTURAL PANEL
EXT	STAG	STAGGER
FAB	STD	STANDARD
FDD	STIFF	STIFFENER
FF	STL	STEEL
FFE	STRUC	STRUCTURAL
FG	SYM	SYMMETRICAL
FHWS	T24	24 CALIFORNIA CODE
FLG	THRD	THREADED
FN	THK	THICK
FND	TOC	TOP OF CONCRETE
FOC	TOC	TOP OF CONCRETE
FOM	TOF	TOP OF FOOTING
FOS	TOSLAB	TOP OF SLAB
FT (')	TOS	TOP OF STEEL
FTG	TOW	TOP OF WALL
GA	TRAN	TRANSVERSE
GALV	TS	TUBE STEEL
GL	TYP	TYPICAL
GT	T&B	TOP AND BOTTOM
GWB	UNO	UNLESS NOTED OTHERWISE
HAS	WWF	WELDED WIRE FABRIC

CONCRETE AND REINFORCING STEEL

- CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-19 AND 2022 CALIFORNIA BUILDING CODE.
- THE MINIMUM 28 DAY STRENGTH SHALL BE AS FOLLOWS:
SLABS ON GRADE 150 PCF, $F'_c = 3500$ PSI
FOUNDATIONS 150 PCF, $F'_c = 3500$ PSI
- CEMENT SHALL CONFORM TO ASTM C-150, TYPE I OR TYPE II.
- CONCRETE AGGREGATES: NATURAL SAND AND ROCK AGGREGATES SHALL CONFORM TO ASTM C-33.
- REINFORCING SHALL CONFORM TO ASTM A615 - GRADE 60, INCLUDING SUPPLEMENTARY REQUIREMENTS S1,Fy = 60 KSI.
- WELDING OF REINFORCING STEEL SHALL CONFORM TO ANSI / AWS D1.4 (LATEST EDITION) USING PROPER LOW HYDROGEN ELECTRODES. TACK WELDING TO REBAR IS STRICTLY PROHIBITED. SEE REBAR WELDING NOTE BELOW.
- REINFORCING STEEL SHALL BE DETAILED, FABRICATED, AND INSTALLED ACCORDING TO "MINIMUM STANDARD PRACTICE OF REINFORCED CONCRETE CONSTRUCTION" BY THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI).
- WIRE FABRIC SHALL CONFORM TO ASTM A182.
- DIMENSIONS SHOWN FOR LOCATION OF REINFORCING ARE TO THE FACE OF MAIN BARS AND DENOTE CLEAR COVERAGE. CONCRETE COVERAGE SHALL BE AS FOLLOWS, UNO ON DRAWINGS:
CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLABS) 3" CONCRETE EXPOSED TO GROUND BUT PLACED IN FORMS 2" SLABS (ON GROUND) POSITION IN CENTER OF SLAB SEE TABLE "REINFORCEMENT LAP SPLICES" ON THIS SHEET.
- ALL BARS SHALL HAVE A CLASS B MINIMUM SPLICE LAP UNLESS OTHERWISE NOTED. SEE TABLE "REINFORCEMENT LAP SPLICES" ON THIS SHEET.
- SPLICES IN ADJACENT BARS SHALL BE NOT LESS THAN 5'-0" APART.
- DOWEL ALL VERTICAL REINFORCING IN WALLS AND COLUMNS FROM FOUNDATION WITH THE SAME SIZE REINFORCING.
- GENERAL:
A) NO PIPES OR DUCT SHALL BE PLACED IN CONCRETE SLABS OR WALLS UNLESS SPECIFICALLY DETAILED.
B) REFER TO ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS FOR ALL MOULDS, GROOVES, ORNAMENTS, CLIPS AND GROUNDS TO BE CAST IN CONCRETE.
- CONSTRUCTION JOINTS SHALL BE MADE ROUGH AND ALL LAITANCE REMOVED FROM THE SURFACE. CONCRETE MAY BE ROUGHENED BY CHIPPING THE ENTIRE SURFACE, SANDBLASTING, OR HOSING THE SURFACE 4 TO 6 HOURS AFTER THE POUR WITH A FINE SPRAY.
- REMOVE ALL DEBRIS FROM THE FORMS BEFORE PLACING ANY CONCRETE.
- REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE SECURELY POSITIONED BEFORE PLACING CONCRETE. OBTAIN APPROVAL OF ALL AFFECTED TRADES PRIOR TO PLACING CONCRETE.
- NO WOOD SPREADERS ALLOWED. NO WOOD STAKES ALLOWED IN AREAS TO BE CONCRETED.
- WELDED WIRE FABRIC SHALL BE LAP SPLICED TWO SQUARES MIN. EACH DIRECTION.
- NOTIFY THE STRUCTURAL ENGINEER 48 HOURS PRIOR TO PLACING CONCRETE.

GENERAL NOTES:

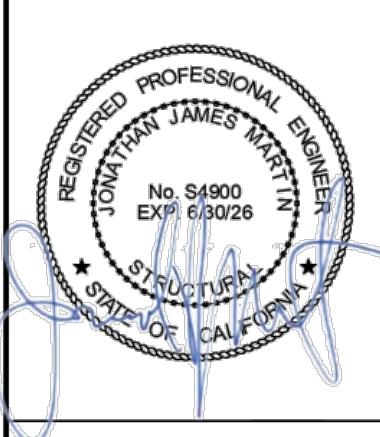
- CONSTRUCTION SHALL CONFORM TO THE 2022 CALIFORNIA BUILDING CODE AND CITY OF ROCKLIN ORDINANCE, LATEST EDITION.
- NOTES AND DETAILS ON DRAWING SHEETS SHALL APPLY UNLESS OTHERWISE SHOWN OR NOTED ON PLANS.
- DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME NATURE AS SHOWN FOR A SIMILAR CONDITION.
- PRIOR TO FABRICATION, SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER ON ALL REINFORCING STEEL, STEEL FRAMING, AND CONCRETE MIX PROPORTIONS. SHOP DRAWINGS: SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS AND THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT BY INDICATING WHICH MATERIAL HE INTENDS TO FURNISH AND INSTALL AND BY DETAILING THE FABRICATION AND INSTALLATION METHODS HE INTENDS TO USE.
- SAFETY NOTES:
A) IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA, LATEST EDITION, AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
B) THE ARCHITECT, STRUCTURAL ENGINEER, AND THE OWNER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
C) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS AND SHORING REQUIRED.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
- CONTRACTOR SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DRAWINGS OR DOCUMENTS. CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE BUILDING THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED WITH THE AFFECTED PARTIES.

DESIGN CRITERIA:

CODE	2022 CALIFORNIA BUILDING CODE
LIVE LOADS	ADJ. WALK/DRIVE 100.0 PSF (UNREDUCIBLE)
LATERAL LOADS	SEISMIC
WIND	SIMPLIFIED DESIGN PROCEDURE BASIC WIND = 94 MPH
EXPOSURE C	NA
NA	$F_a = 1.454$ $S_1 = 21.8\%$ SITE CLASS = D $i = 1.00$ OCCUP. CAT. = II SEISMIC DESIGN CAT. = D
SNOW	NA

SCOPE OF WORK: FOR SHEETS SW-1.0, SW-1.1 & SW-1.2 THE WORK IS FOR RETAINING WALL DESIGN ONLY
LIGHT STATION FOOTINGS AND RESTROOM SLAB LAYOUT DESIGN ONLY
PICKLEBALL COURTS

PROJECT NAME	SUNSET WHITNEY RECREATION AREA
DRAWING NAME	PICKLEBALL COURTS
ROCKLIN	COUNTY OF PLACER



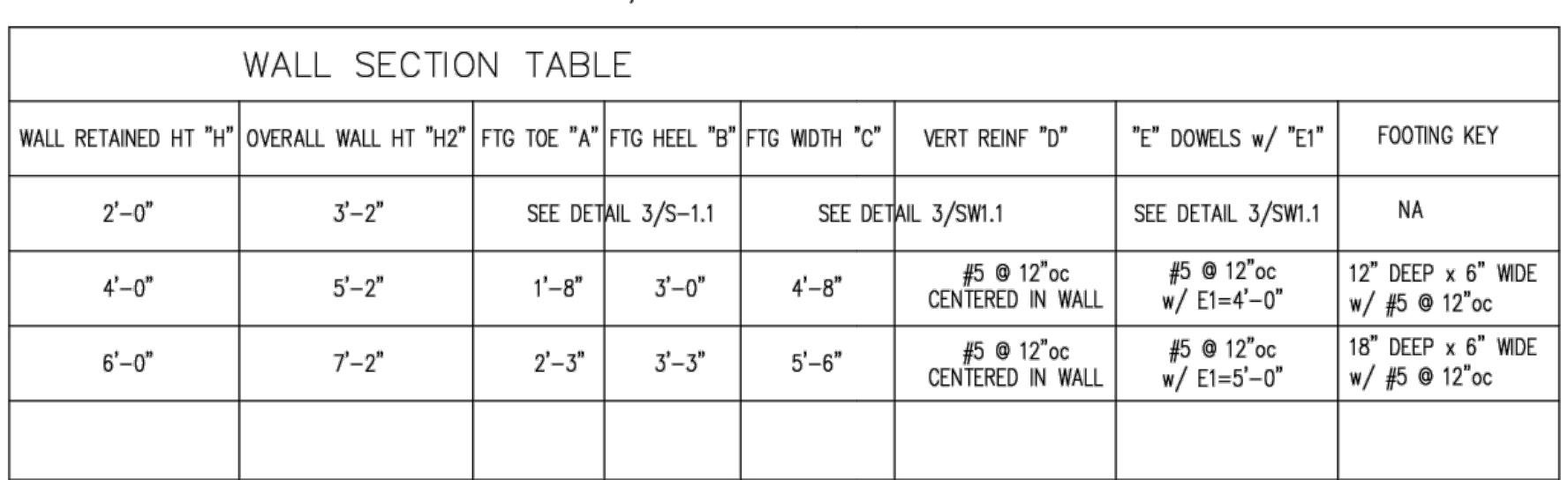
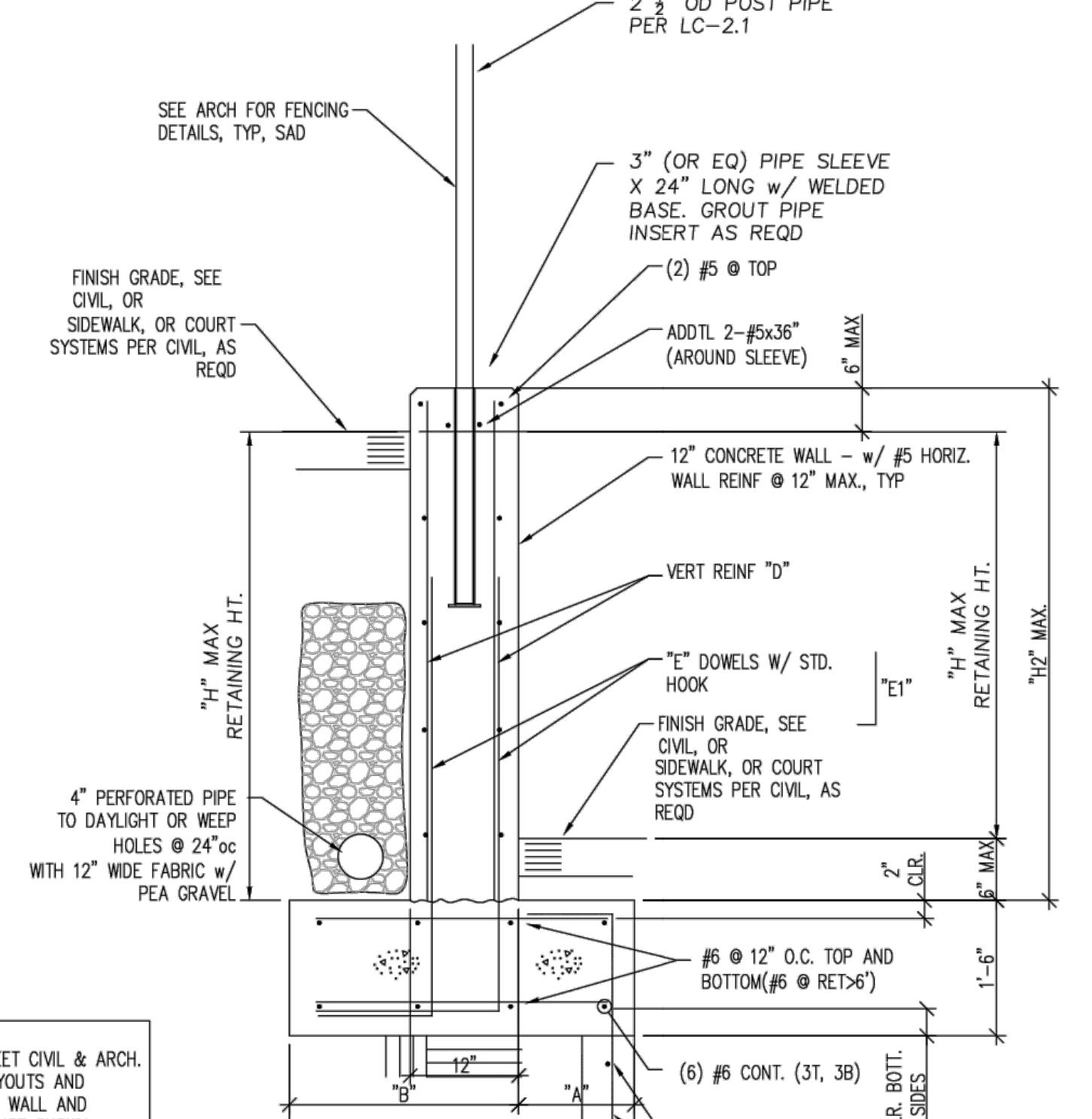
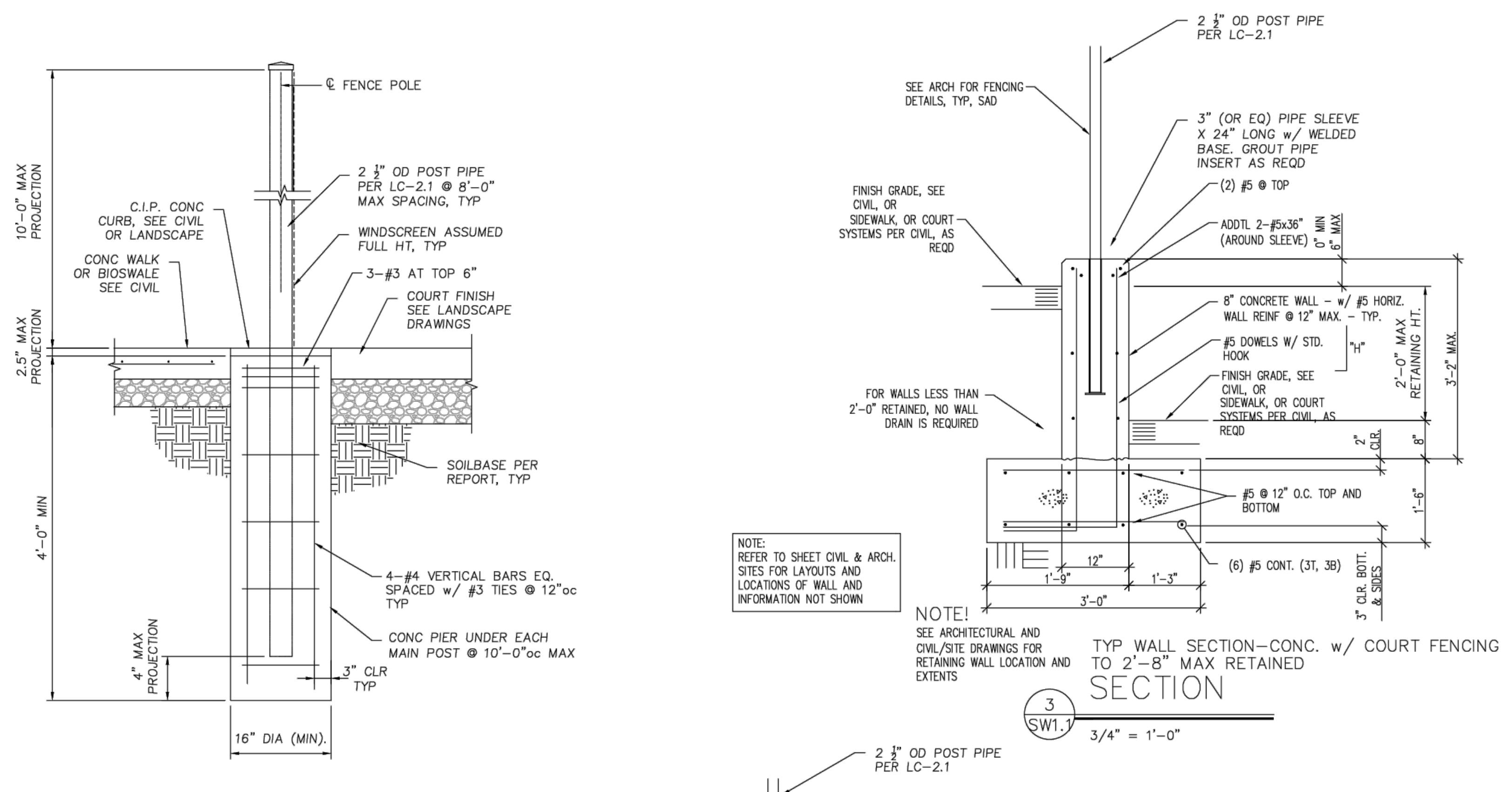
CITY OF ROCKLIN
COMMUNITY DEVELOPMENT
DEPARTMENT

INSPECTION NOTES:

- GENERAL: IN ADDITION TO THE INSPECTIONS REQUIRED BY SECTION 108 OF THE 2022 CBC, THE OWNER SHALL EMPLOY AN CBC APPROVED SPECIAL INSPECTOR TO PERFORM SPECIAL INSPECTIONS & TESTS AS INDICATED IN THE SCHEDULE BELOW.
- INSPECTORS: ALL TESTS AND INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT INSPECTION AGENCY WHICH IS IN THE EMPLOYMENT OF THE OWNER.
- ALL SPECIAL INSPECTION & TESTING AGENCIES SHALL BE QUALIFIED PER ASTM E329 AND APPROVED BY CITY OF SACRAMENTO.
- PROVIDE INSPECTION REPORTS TO BUILDING DEPARTMENT, OWNER, ARCHITECT AND ENGINEER WITHIN TWO WEEKS OF PERFORMANCE INSPECTION OR TEST.
- REFER TO CHAPTER 17 OF THE CODE FOR OTHER REQUIRED SPECIAL INSPECTIONS AND TESTS NOT LISTED IN THE SCHEDULE BELOW.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SEE THAT THE TESTS AND INSPECTIONS ARE PERFORMED. JOB SITE VISITS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE AND ARE NOT A SUBSTITUTE FOR INSPECTIONS.
- WHERE THE CONTRACTOR CHOOSES TO USE OPTIONAL OR ALTERNATIVE MEANS OF FASTENING OR ANCHORING MATERIALS AS SHOWN ON THE PLANS AND DETAILS AND REQUIRES SPECIAL FIELD INSPECTION, SUCH AS FIELD WELDING, ADHESIVE OR EXPANSION ANCHORS, ETC. ALL ADDITIONAL SPECIAL INSPECTION AND TESTING COSTS SHALL BE PAID BY THE OWNER AND DEDUCTED FROM THE CONTRACT AMOUNT.

Concrete Types Schedule								
Type of Concrete	Minimum cementitious content (lb/cu. yd)	Maximum water/cement ratio (by weight)	Specified 28-day compressive strength (psi)	Specified shrinkage range for placement with W/C (inches)	Specified air content range (% by volume)	Maximum size aggregate (inches)	Exposure classes (perf. ACI 318-16, SS 19.3.1.1)	F S C
• Spread footings	564	0.45	3500	5	0-3	1 1/2	F1 S0 C1	
• Site light pole fdn.	564	0.45	3500	3-5	0-3	1	F1 S0 C1	
• Concrete permanently exposed to the weather or vulnerable to de-icers or freeze thaw cycles	564	0.45	3500	5-6	6 ±1.5%	1	F1 S0 C1	
• Exterior pads/slabs								
• Retaining Walls								

SPECIAL STRUCTURAL INSPECTION AND TESTING SCHEDULE:								
SPECIAL STRUCTURAL T&D SCHEDULE.dwg								
1. CONCRETE								
1.1 CONTINUOUS PLACEMENT INSPECTION								
1.2 CYLINDERS PER 150 CY								
TEST: 1 @ 7 DAYS 2 @ 28 DAYS 1 HOLD								
2. BOLTS INSTALLED IN CONCRETE								
2.1 ALL BOLTS								
2.2 LOCATION:								
3. SPECIAL MOMENT-RESISTING CONCRETE FRAMES								
3.1 AS INDICATED								
3.2 LOCATION:								
4. REINFORCING STEEL AND PRESTRESSING TENDONS								
4.1 PLACEMENT INSPECTION								
4.2 STRESSING AND GROUTING OF TENDONS								
5. STRUCTURAL M								



J MARTIN CONSULTING
GROUP, INC.
PROVIDING STRUCTURAL DESIGN
2351 SUNSET BLVD., STE 170-402
ROCKLIN, CA 95765
PH (916) 256-4816
CELL (916) 612-1041
MCG JOB NO: 25273

The logo for Fuhrman Leamy Land Group features a stylized graphic on the left composed of several overlapping triangles in shades of gray and black. To the right of the graphic, the company name 'FUHRMAN LEAMY' is written in a large, serif, all-caps font. Below it, 'LAND GROUP' is written in a slightly smaller, bold, all-caps font. Underneath that, 'DESIGN • SERVICE • SOLUTIONS' is written in a smaller, all-caps font. At the bottom of the page, the company's address '3400 DOUGLAS BLVD, SUITE 275 ROSEVILLE, CA 95661' and phone number '916- 783-5263' are listed, followed by the email 'info@fllandgroup.com'.

WALL SECTION TABLE							
WALL RETAINED HT "H"	OVERALL WALL HT "H2"	FTG TOE "A"	FTG HEEL "B"	FTG WIDTH "C"	VERT REINF "D"	"E" DOWELS w/ "E1"	FOOTING KEY
2'-0"	3'-2"	SEE DETAIL 1/S-1.1		SEE DETAIL 1/SW1.1		SEE DETAIL 1/SW1.1	NA
4'-0"	5'-2"	1'-6"	2'-0"	3'-6"	#5 @ 12"oc CENTERED IN WALL	#5 @ 12"oc w/ E1=4'-0"	12" DEEP x 6" WIDE w/ #5 @ 12"oc
6'-0"	7'-2"	2'-3"	2'-9"	5'-0"	#5 @ 12"oc CENTERED IN WALL	#5 @ 12"oc w/ E1=5'-0"	18" DEEP x 6" WIDE w/ #5 @ 12"oc

RECORD DRAWINGS

INFORMATION SHOWN ON THESE PLANS HAS BEEN PREPARED BY, OR
FOR THE DIRECTION OF, THE UNDERSIGNED ENGINEER. ADJUSTMENTS MADE
IN THE FIELD DURING CONSTRUCTION ARE INCLUDED HEREIN WHEN THE
PROJECT ENGINEER IS ADVISED IN WRITING OF SUCH CHANGE BY THE OWNER,
DEVELOPER, CONTRACTOR, OR THE CITY OF ROCKLIN.

ANSWER

#

CITY OF ROCKLIN
COMMUNITY DEVELOPMENT
DEPARTMENT



SCALE: SEE SHEET

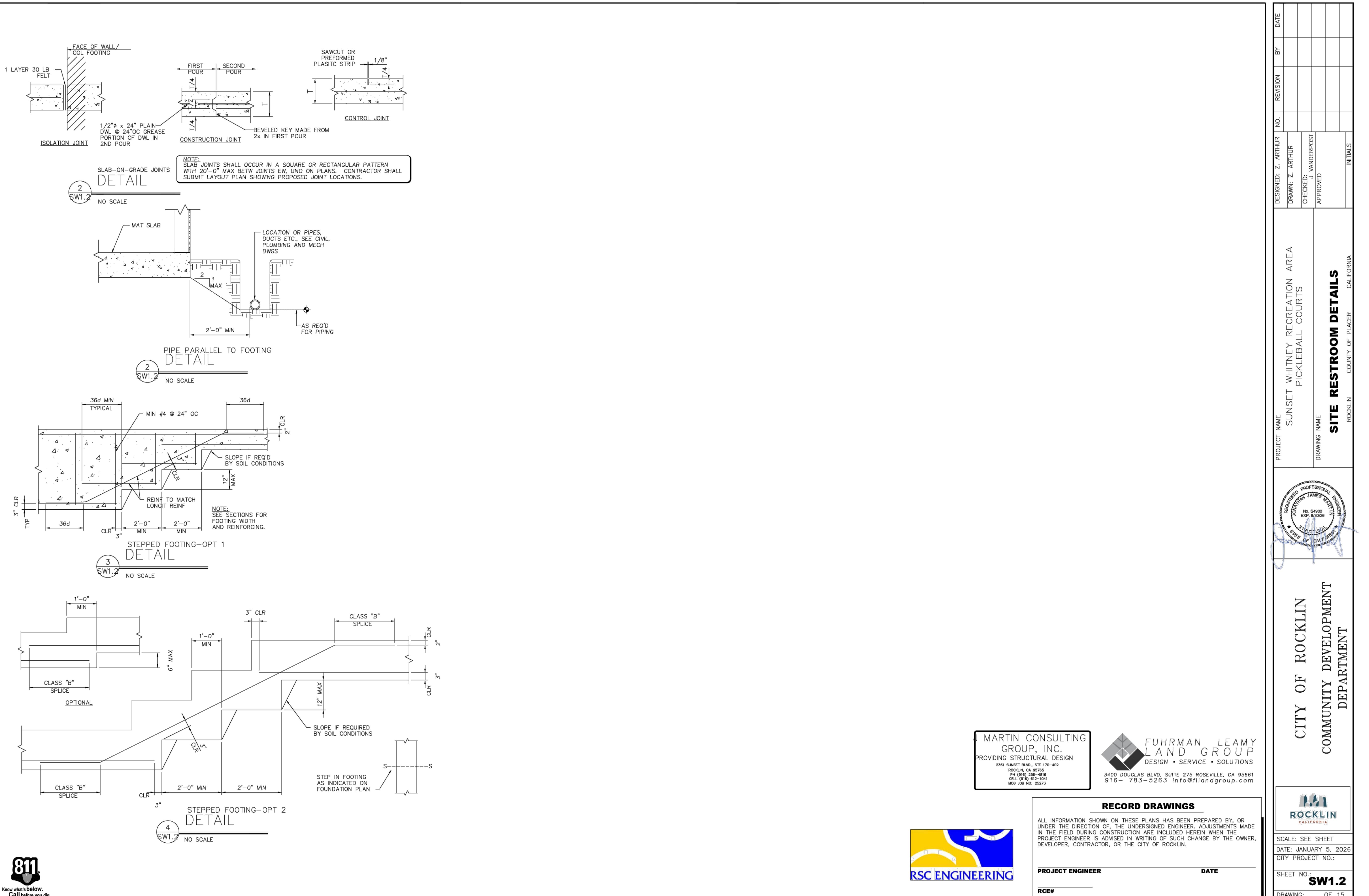
DATE: JANUARY 5, 2026

CITY PROJECT NO.:

SHEET NO.: 5

sw1.1

DRAWING: OF 15



PROJECT TYPE
LANDSCAPE IMPROVEMENTS FOR:

Sunset Whitney Recreation Area Pickleball Courts

GENERAL NOTES

1. THE CONTRACTOR SHALL NOT BEGIN ANY WORK SHOWN ON THESE PLANS UNTIL THE CITY ENGINEER'S SIGNATURE OF APPROVAL IS AFFIXED HEREON AND ALL APPLICABLE PERMITS HAVE BEEN OBTAINED.
2. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY, OWNER, ENGINEER, AND LANDSCAPE ARCHITECT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE CITY, OWNER, ENGINEER, OR LANDSCAPE ARCHITECT.
3. THE CONTRACTOR IS HEREBY NOTIFIED THAT PRIOR TO COMMENCING CONSTRUCTION, THEY SHALL CONTACT ALL UTILITY COMPANIES FOR VERIFICATION OF THE CONSTRUCTION SITE OF THE LOCATIONS OF ALL UNDERGROUND FACILITIES WHERE SUCH FACILITIES MAY CONFLICT WITH PLACEMENT OF IMPROVEMENTS SHOWN ON THIS PLAN. CALL UNDERGROUND SERVICE ALERT AT 800-642-2444 48 HOURS PRIOR TO ANY EXCAVATION.
4. EACH PHASE OF THE PROJECT MUST BE CALLED TO U.S.A. AND CONTINUING EXCAVATION REPORTED EVERY 14 CALENDAR DAYS, AS THE MARKINGS ARE NOT PERMANENT AND WILL FADE OUT. IF THE U.S.A. NOTIFICATIONS ARE NOT KEPT UP TO DATE, THE EXCAVATION MAY BE STOPPED AND A NEW TWO WORKING DAY NOTICE WILL BE REQUIRED BEFORE CONTINUING THE EXCAVATION.
5. UNLESS OTHERWISE NOTED ON THE DRAWINGS, OR SPECIFIED IN THE SPECIAL PROVISIONS, THE CONTRACTOR SHALL MAINTAIN IN SERVICE ALL DRAINAGE, WATER, SEWER, AND ELECTRICAL LINES.
6. VERIFY ALL DIMENSIONS, DISTANCES, INVERT ELEVATIONS, AND GRADES IN THE FIELD AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING WITH THE WORK.
7. PROVIDE ALL CLEARING, DEMOLITION, REMOVAL, AND SITE PREPARATION NECESSARY FOR THE PROPER EXECUTION OF ALL WORK SHOWN ON THESE DRAWINGS.
8. THE CONTRACTOR WILL BE HELD TO HAVE EXAMINED THE SITE AND COMPARED IT WITH THE DRAWINGS AND SPECIFICATIONS, TO HAVE CAREFULLY EXAMINED ALL THE CONTRACT DOCUMENTS, AND TO HAVE SATISFIED THEMSELVES AS TO THE CONDITIONS UNDER WHICH THE WORK TO BE PERFORMED BEFORE ENTERING INTO THIS CONTRACT. NO ALLOWANCE SHALL SUBSEQUENTLY BE MADE ON BEHALF OF THE CONTRACTOR ON ACCOUNT OF AN ERROR ON HIS/HER PART OR HIS/HER NEGLIGENCE OR FAILURE TO ACQUAINT THEMSELVES WITH THE SITE OR THE STREETS OR ROADS APPROACHING THE SAME.
9. CONTRACTOR WILL ARRANGE FOR AND PAY ALL NECESSARY PERMITS FOR THE WORK SHOWN ON THESE PLANS AND INDICATED IN THE SPECIFICATIONS.
10. CONTRACTOR WILL PROVIDE POSITIVE DRAINAGE IN ALL AREAS (MINIMUM 2% IN PLANTING AREAS). CONTRACTOR SHALL BRING ANY DISCREPANCIES THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING WITH ANY FURTHER WORK.
11. CONTRACTOR WILL REMOVE FROM THE SITE ALL DEBRIS AND UNSUITABLE MATERIAL GENERATED DURING AND BY THEIR OPERATIONS.
12. CONTRACTOR SHALL PROTECT EXISTING DRAINAGE PATTERNS UNLESS OTHERWISE NOTED ON THE DRAWINGS.
13. ALL WRITTEN DIMENSIONS WILL SUPERSEDE SCALED DISTANCES. DIMENSIONS ARE FROM FACE OF BUILDING, CURB, WALLS, PROPERTY LINES OR AS NOTED ON THE DRAWINGS.
14. CONTRACTOR WILL VERIFY LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WITH WORK. ANY DISRUPTION OR DAMAGE TO SITE UTILITIES CAUSED BY WORK UNDER THIS CONTRACT WILL BE CORRECTED BY THE CONTRACTOR.
15. CONTRACTOR WILL PROVIDE PORTABLE SANITARY FACILITIES ADEQUATE FOR ALL WORKERS. FACILITIES ARE SUBJECT TO APPROVAL AND THE HEALTH DEPARTMENT.
16. SITE SECURITY FENCING LAYOUT AND SITE CONSTRUCTION STORAGE SHALL BE COORDINATED WITH CITY OF ROCKLIN PUBLIC WORKS MANAGER.
17. CONTRACTOR IS RESPONSIBLE TO REPAIR AND REPLACE EXISTING WALKWAYS DAMAGED DURING CONSTRUCTION TO ORIGINAL CONDITION TO THE SATISFACTION OF THE CITY.

SCOPE OF WORK

INSTALLATION OF NEW PICKLEBALL COURT FACILITY; INCLUDING CONCRETE WALKS, STAIRS, FENCING, BLEACHERS, DRINKING FOUNTAIN, AND LIGHTING.

RENOVATION OF EXISTING IRRIGATION AND PLANT MATERIAL TO ACCOMMODATE COURTS.

RENOVATION AND ADDITION TO THE EXISTING STORM DRAINAGE SYSTEM TO ACCOMMODATE PLACEMENT OF THE COURTS.

RENOVATION AND ADDITION TO THE EXISTING STORM DRAINAGE SYSTEM TO ACCOMMODATE PLACEMENT OF THE DRINKING FOUNTAIN.

MODEL CODES

ALL WORK SHALL CONFORM TO THE FOLLOWING MODEL CODES:

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC).
2022 CALIFORNIA BUILDING CODE (CBC).
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBSC).
2022 CALIFORNIA MECHANICAL CODE (CMC).
2022 CALIFORNIA PLUMBING CODE (CPC).
2022 CALIFORNIA ELECTRICAL CODE (CEC).
2022 CALIFORNIA ENERGY CODE (CEC PART 6).
2022 CALIFORNIA FIRE CODE (CFC).

3400 DOUGLAS BLVD., SUITE 275 ROSEVILLE, CA 95661
916-783-5263 info@fillandgroup.com



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PROJECT ENGINEER

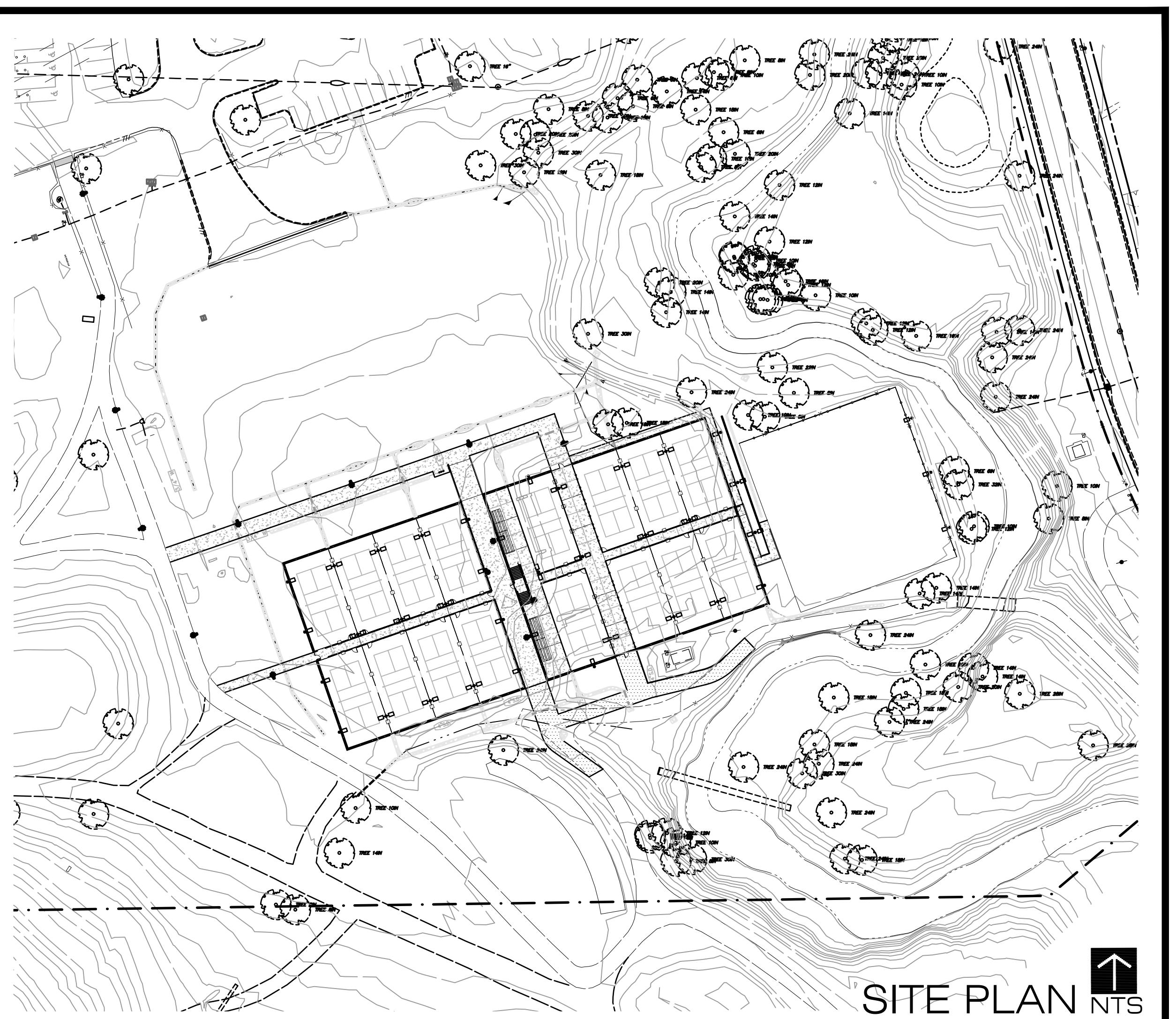
DATE

RCE#

CITY OF ROCKLIN
COMMUNITY DEVELOPMENT
DEPARTMENT



SCALE: NONE
DATE: 01.07.2026
CITY PROJECT NO.:
SHEET NO.: CV-1.0
DRAWING: 1 OF 12



SHEET INDEX

CV-1.0	COVER SHEET	1
LC-1.0	OVERALL CONSTRUCTION PLAN	2
LC-1.1	CONSTRUCTION PLAN	3
LC-2.0	CONSTRUCTION DETAILS	4
LC-2.1	CONSTRUCTION DETAILS	5
LI-1.0	OVERALL IRRIGATION PLAN	6
LI-1.1	IRRIGATION PLAN	7
LI-2.0	IRRIGATION DETAILS	8
LI-2.1	IRRIGATION DETAILS	9
LP-1.0	OVERALL PLANTING PLAN	10
LP-1.1	PLANTING PLAN	11
LP-2.0	PLANTING DETAILS	12

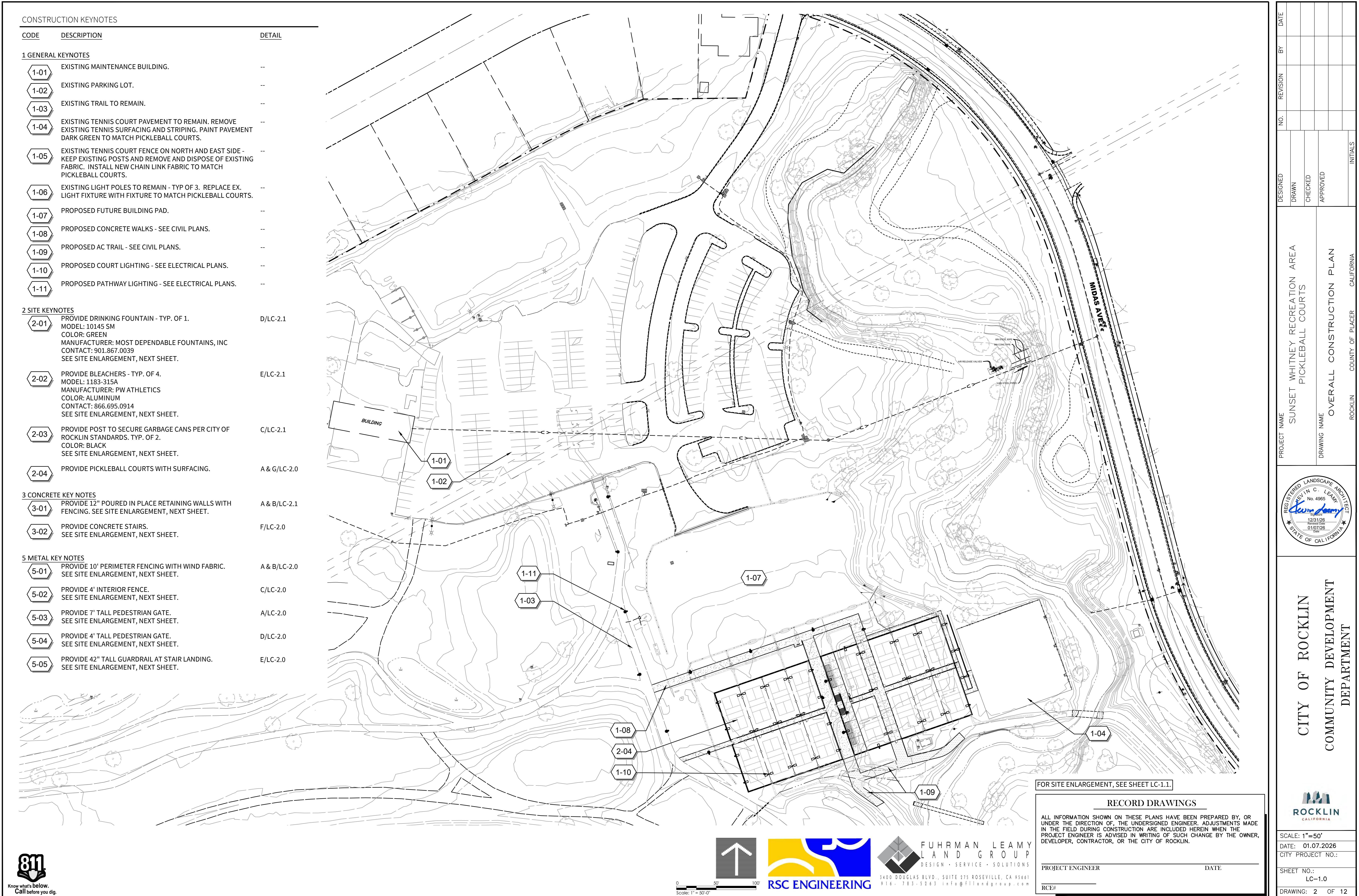
TOTAL SHEETS: 12

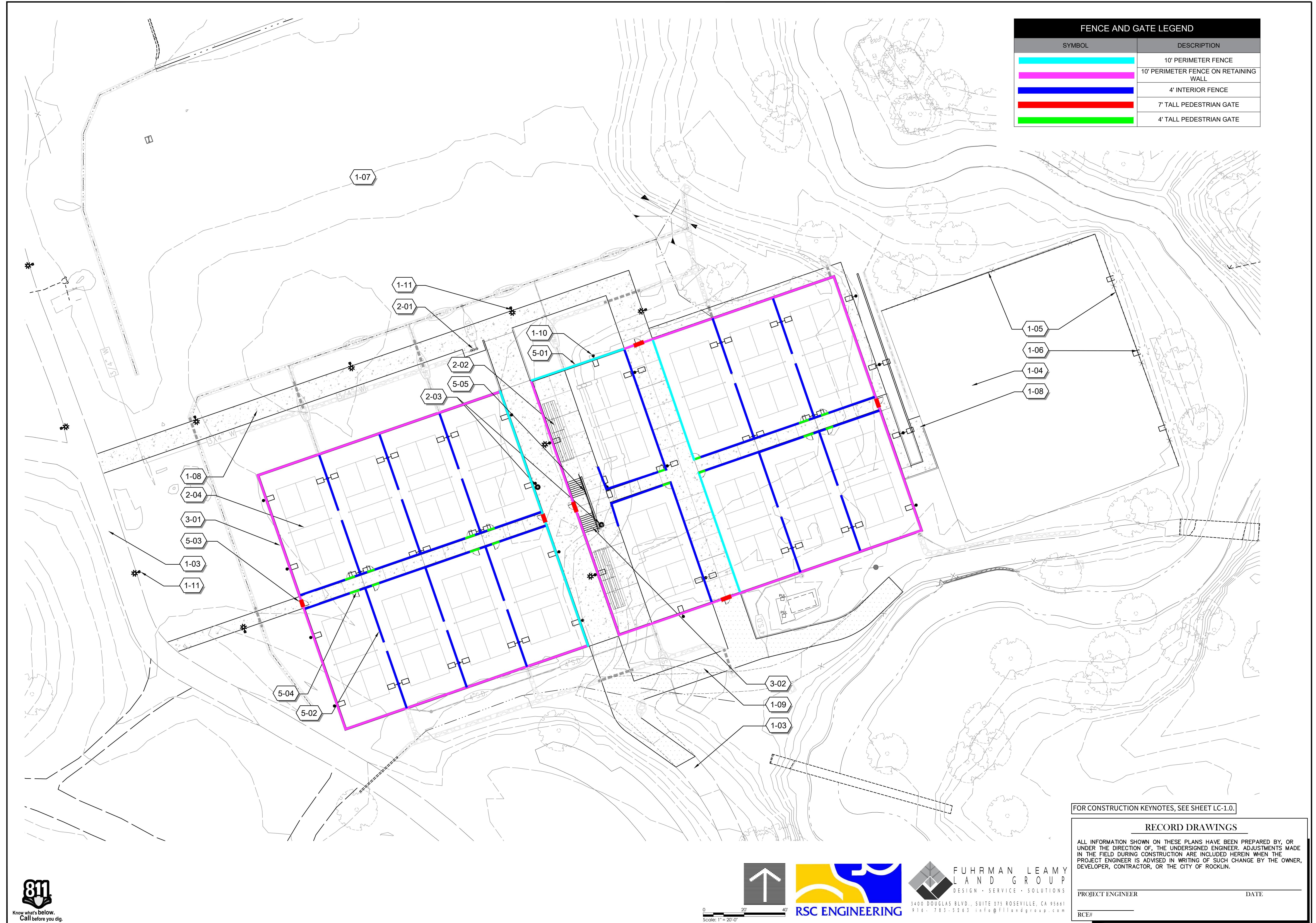
DESIGNED	REVISION	BY	DATE
DRAWN			
CHECKED			
APPROVED			
INITIALS			

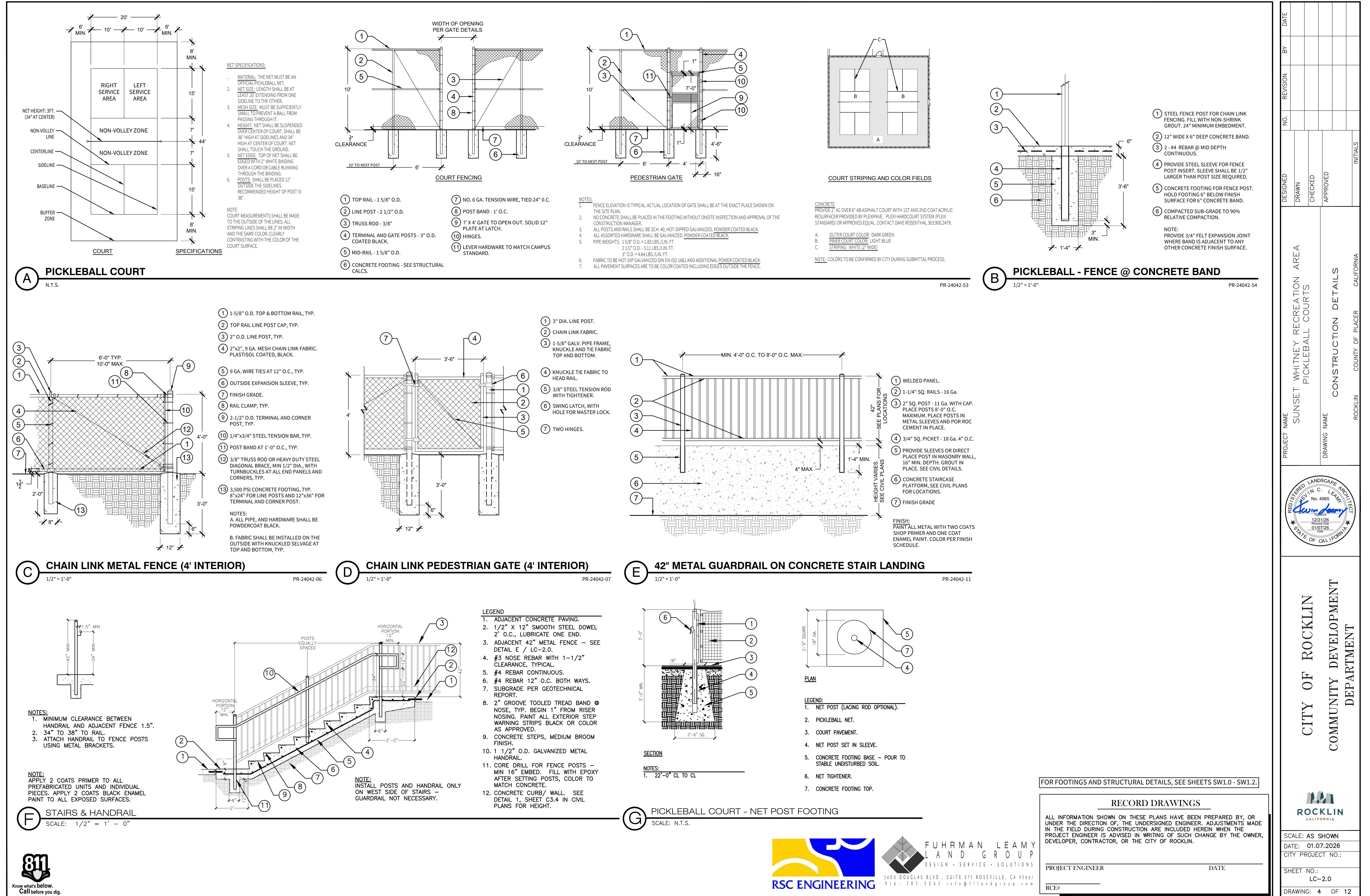
PROJECT NAME	SUNSET WHITNEY RECREATION AREA PICKLEBALL COURTS
DRAWING NAME	COVER SHEET
ROCKLIN	COUNTY OF PLACER CALIFORNIA

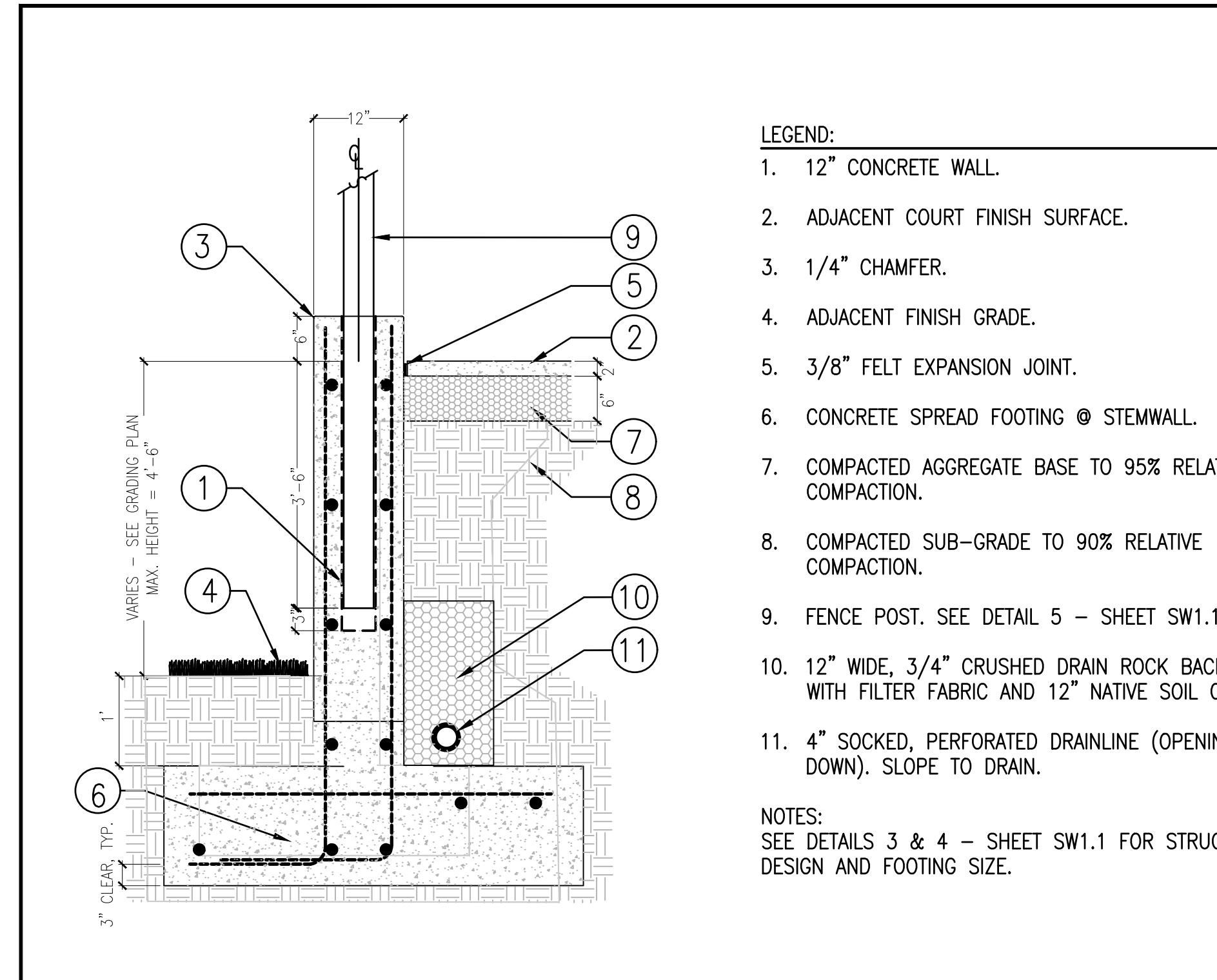


Know what's below.
Call before you dig.

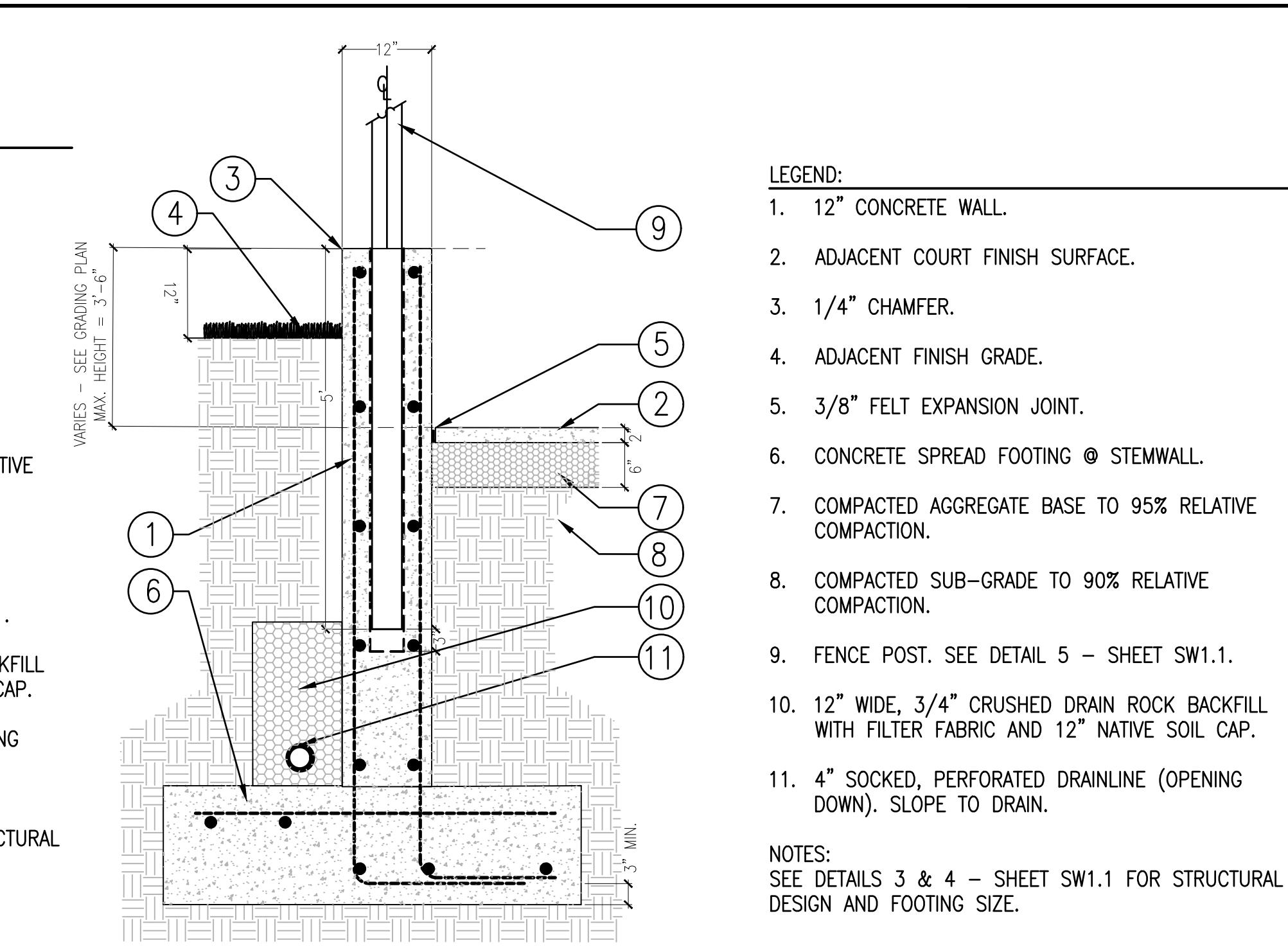




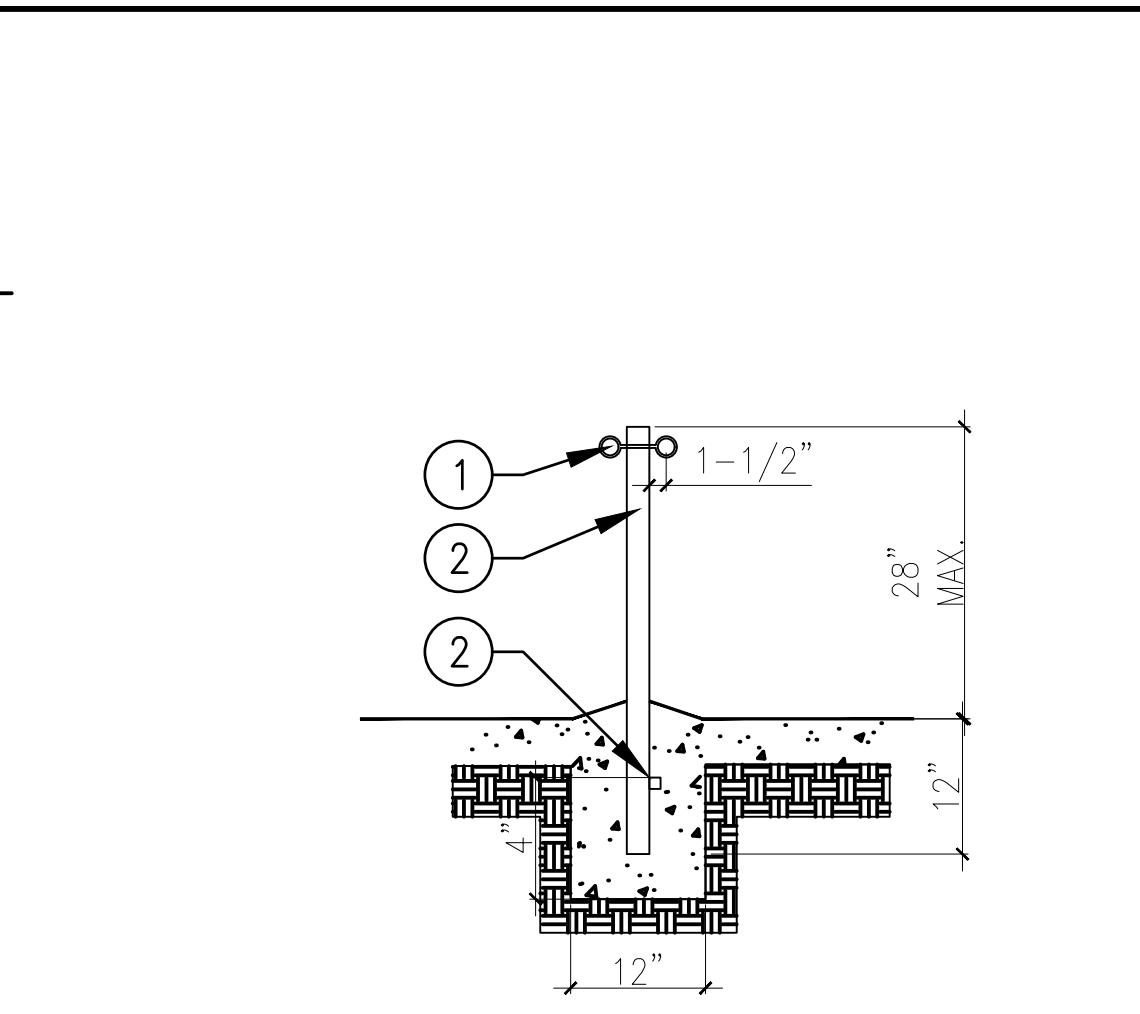




A 12" CONCRETE RETAINING WALL (COURT ABOVE)
SCALE: 3/4" = 1'-0"



B 12" CONCRETE RETAINING WALL (COURT BELOW)
SCALE: 3/4" = 1'-0"



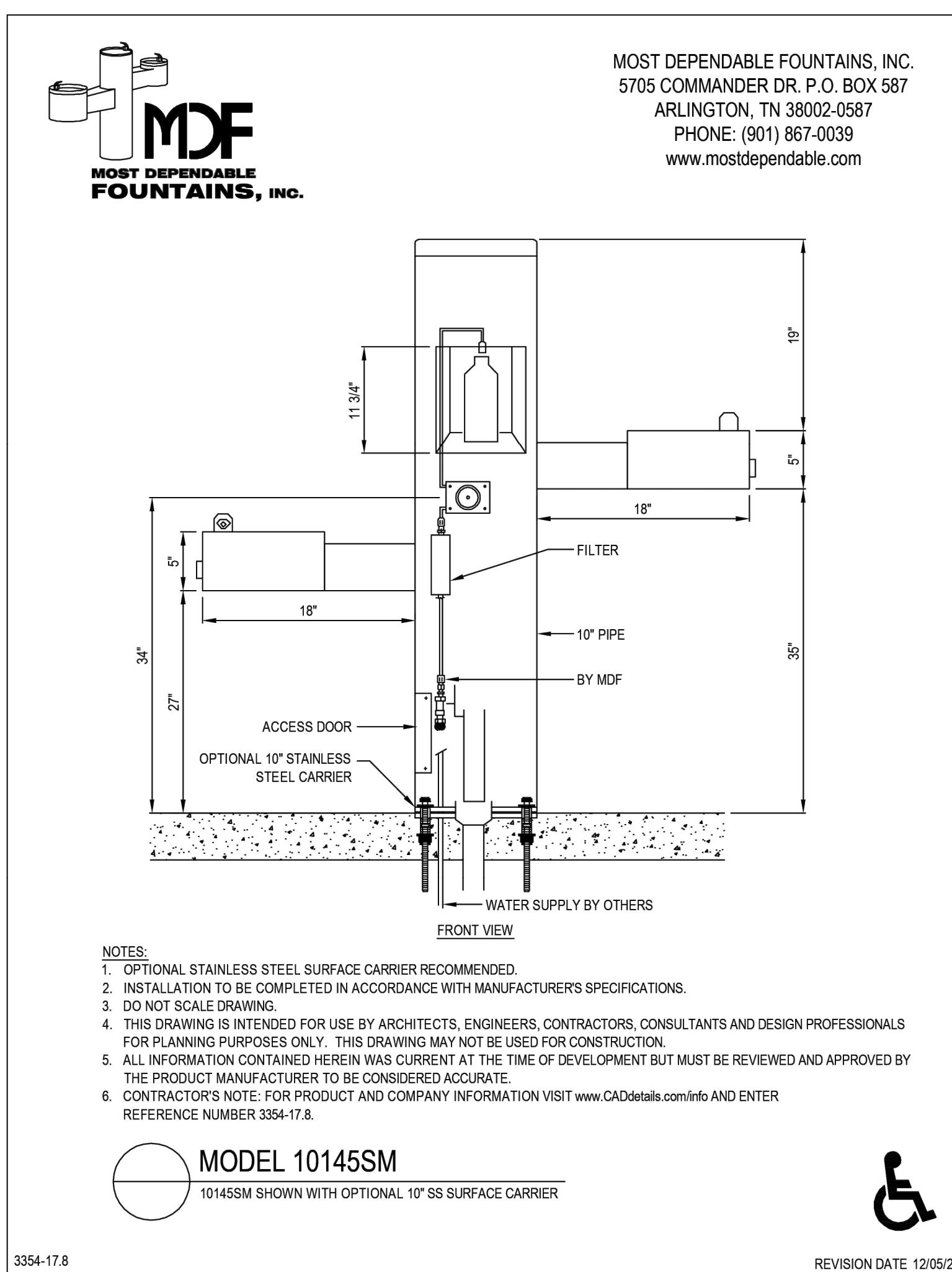
NOTES:
1. SLOPE TOP OF CONCRETE FOOTING MIN. OF 1% TO DRAIN.
2. ALL METAL COMPONENTS TO BE PAINTED WITH 2 COATS SHOP PRIMER AND 1 COAT ELECTROSTATIC PAINT. COLOR: BLACK.

C GARBAGE CAN POST
SCALE: 3/4" = 1' - 0"

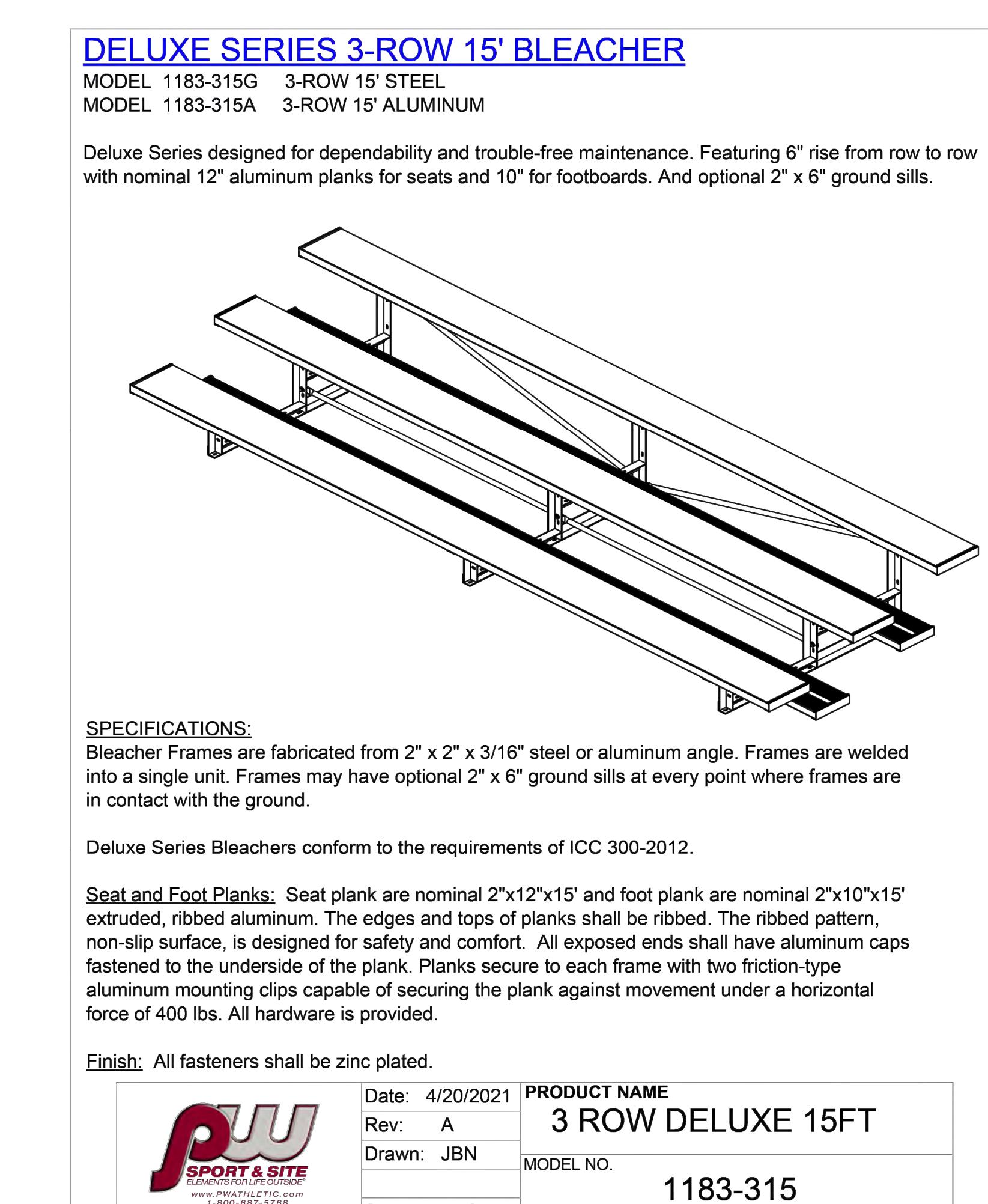
PROJECT NAME	SUNSET WHITNEY RECREATION AREA
DRAWING NAME	PICKLEBALL COURTS
DESIGNED	NO. _____
DRAWN	REVISION _____
CHECKED	BY _____
APPROVED	DATE _____
INITIALS _____	

ROCKLIN COUNTY OF PLACER CALIFORNIA

REGISTERED LANDSCAPE ARCHITECT
KEVIN C. LEAMY No. 4965
12/3/26 Renewed Date 01/07/28
STATE OF CALIFORNIA



D DRINKING FOUNTAIN
811
Know what's below.
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E BLEACHERS



FUHRMAN LEAMY
LAND GROUP
DESIGN • SERVICE • SOLUTIONS
3400 DOUGLAS BLVD., SUITE 275 ROSEVILLE, CA 95661
916-783-5263 info@fllandgroup.com

FOR FOOTINGS AND STRUCTURAL DETAILS, SEE SHEETS SW1.0 - SW1.2.

RECORD DRAWINGS

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PROJECT ENGINEER _____ DATE _____

SHEET NO.: LC-2.1

DRAWING: 5 OF 12

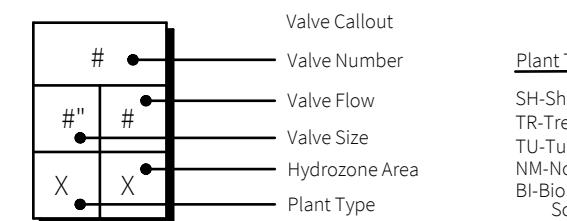
CITY OF ROCKLIN
COMMUNITY DEVELOPMENT
DEPARTMENT



SCALE: AS SHOWN
DATE: 01.07.2026
CITY PROJECT NO.:
SHEET NO.: LC-2.1
DRAWING: 5 OF 12

IRRIGATION LIST & LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI
1402	RAIN BIRD: RWS-B-C-1402 DEEP ROOT WATERING SYSTEM WITH CHECK VALVE. RAINBIRD BUBBLER OPTION 1402. NOTE: CONTRACTOR TO PLACE (2) BUBBLERS PER TREE AS SHOWN ON PLANS.	30
●	WEATHERMATIC: MAX-DW-XPR REMOTE CONTROL VALVE. SEE PLAN FOR SIZE. PROVIDE IN VALVE BOX PER DETAIL.	
■	RAINBIRD: 44-RC 1" BRASS QUICK COUPLING VALVE WITH RUBBER COVER. PROVIDE IN VALVE BOX PER DETAIL.	
✗	NIBCO: T-113 FLANGED GATE VALVE (LINE SIZE 2-1/4" AND LARGER). PROVIDE IN VALVE BOX PER DETAIL.	
A	CALSENSE: CS3-48-S GR-BUNDLE-2 48-STATION AUTOMATIC TWO-WIRE DECODER CONTROLLER (CS3000) WITH FLOW CONTROL MODULE & IQ NCC GPRS CARTRIDGE IN STAINLESS STEEL PEDESTAL, TOP-OPENING ENCLOSURE. INSTALL IQEXTANGP GPRS-CELLULAR ANTENNA WHICH INCLUDES PREPAID 10-YEAR DATA PLAN FOR CELLULAR MODEM PER CITY OF ROCKLIN STANDARDS. CONTACT TONY KERR FOR IRRIGATION CONTROLLER SPECIFICATIONS AT 916.652.5828. *INSTALL GROUNDING RODS AT 500-FOOT INTERVALS ALONG 2-WIRE PATH. IRRIGATION LATERAL LINE: PVC SCHEDULE 40 (SIZE AS NOTED)	
NOT SHOWN	CONDUIT: PVC SCHEDULE 40 - 2" MINIMUM DIAMETER FOR LOW VOLTAGE WIRING.	
—	IRRIGATION MAINLINE: PVC SCHEDULE 40 (SIZE AS NOTED)	
██████████	PIPE SLEEVE: PVC SCHEDULE 40 TWICE THE DIAMETER OF THE LINE SIZE MINIMUM OR AS NOTED ON PLAN. INSTALL 24" BELOW FINISHED GRADE. EXTEND 12" PAST END OF PAVING. TYPICAL.	



Plant Type

SH-Shrub

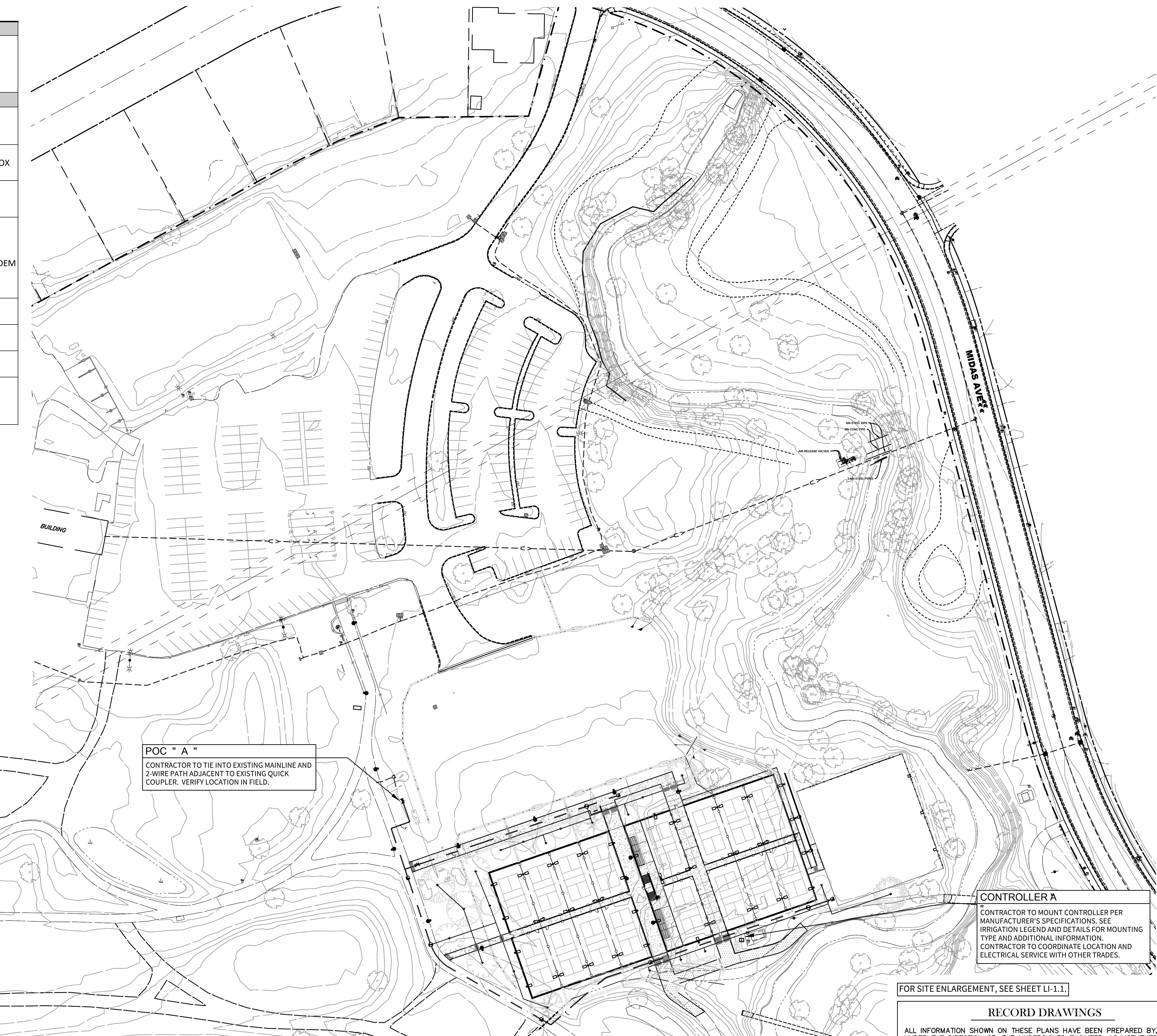
TR-Tree

TU-Turf

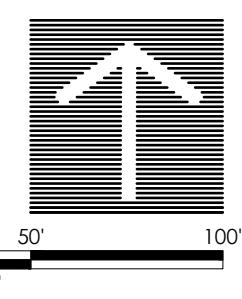
NM-Mulch

BI-Bioretention

Sod

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WATER EFFICIENT LANDSCAPE ORDINANCE:
"I have complied with the criteria of the Water Efficient Landscape Ordinance and applied such criteria for the efficient use of water in the irrigation design plan."
 8.22.2025
 49865
 Applicant Signature
 License # 8.22.2025
 Date



RSC ENGINEERING

FUHRMAN LEAMY
LAND GROUP
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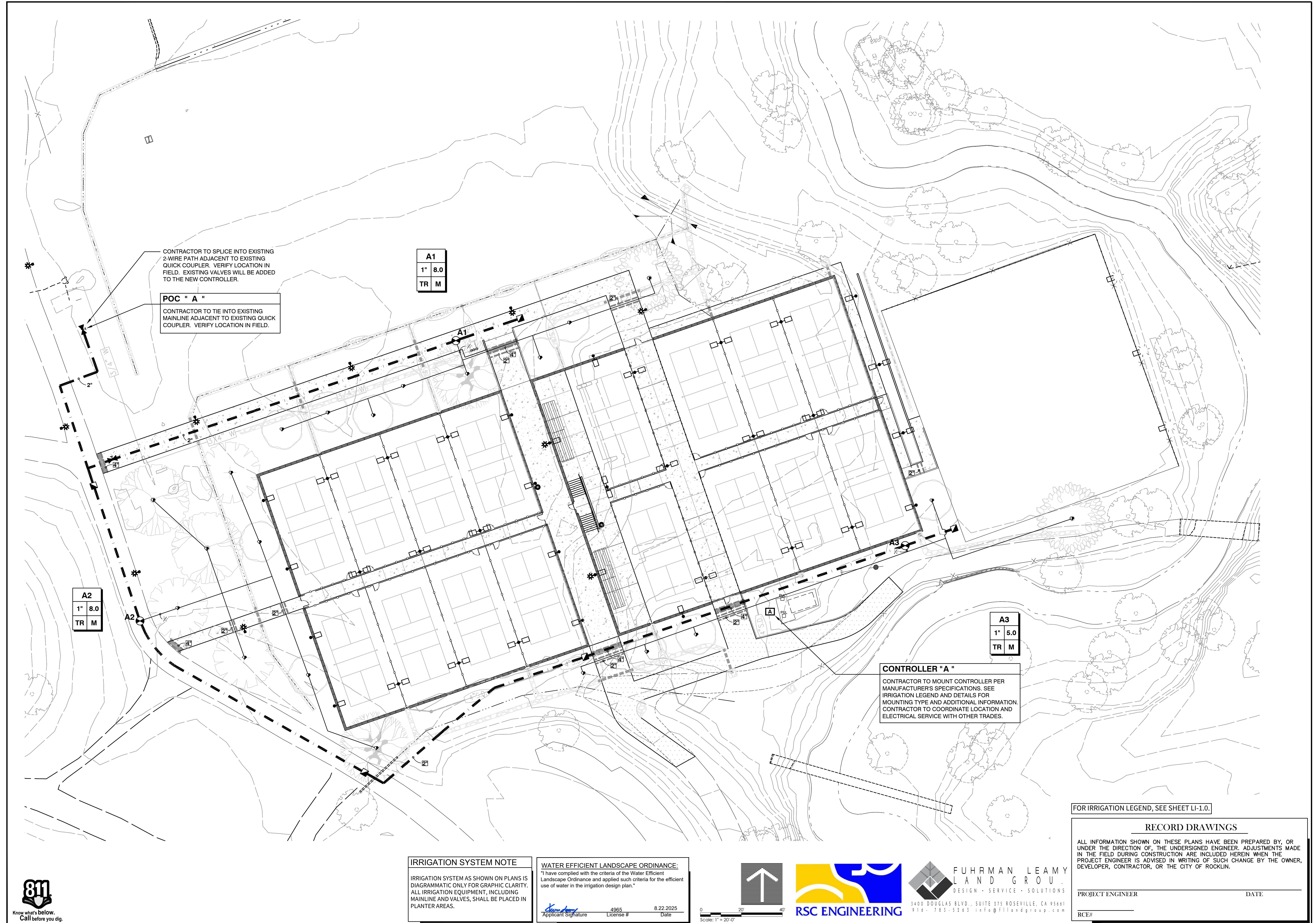
PROJECT ENGINEER
RCE#
DATE

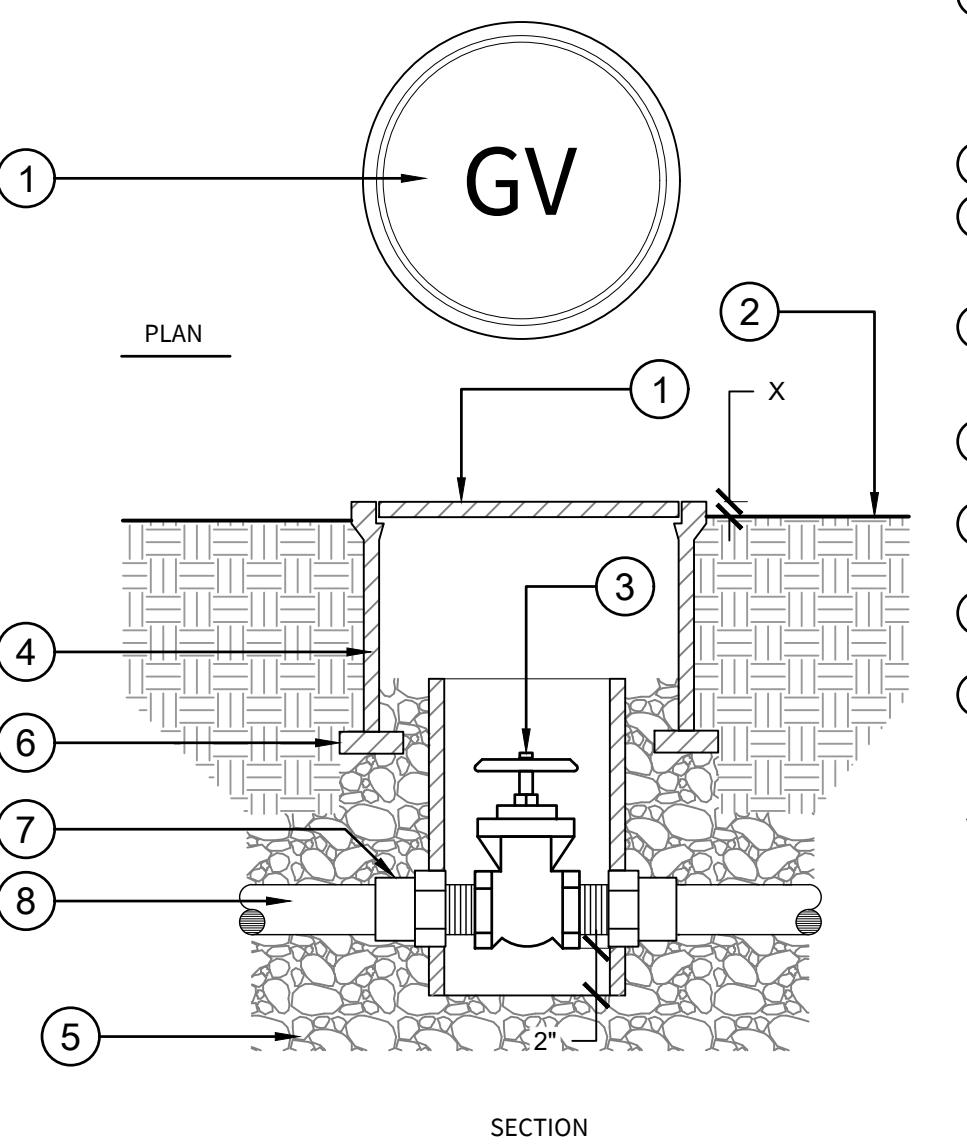
SCALE: 1"=50'
DATE: 01.07.2026
CITY PROJECT NO.:
SHEET NO.: LI-1.0
DRAWING: 6 OF 12

REGISTERED LANDSCAPE ARCHITECT
KEVIN C. LEAMY
No. 4965
12/3/126
Renewal Date
01/07/26
STATE OF CALIFORNIA
ROCKLIN
COUNTY OF PLACER
CALIFORNIA

CITY OF ROCKLIN
COMMUNITY DEVELOPMENT
DEPARTMENT

PROJECT NAME	SUNSET WHITNEY RECREATION AREA PICKLEBALL COURTS
DRAWING NAME	OVERALL IRRIGATION PLAN
ROCKLIN	COUNTY OF PLACER
CA	CALIFORNIA
DESIGNED	NO. 1
DRAWN	REVISION 1
CHECKED	BY
APPROVED	DATE
INITIALS	





A GATE VALVE (DOMESTIC)

NOT TO SCALE

VALVE BOX WITH
SOLT- DOWN COVER.
AND "GV" ON
OX COVER IN 2"
TTERS.

RADE..

VALVE WITH BRONZE
HANDLE OR CROSS-
-

CH. 40 PVC PIPE
ON. LENGTH AS
ED.

USHED ROCK. 8"

24

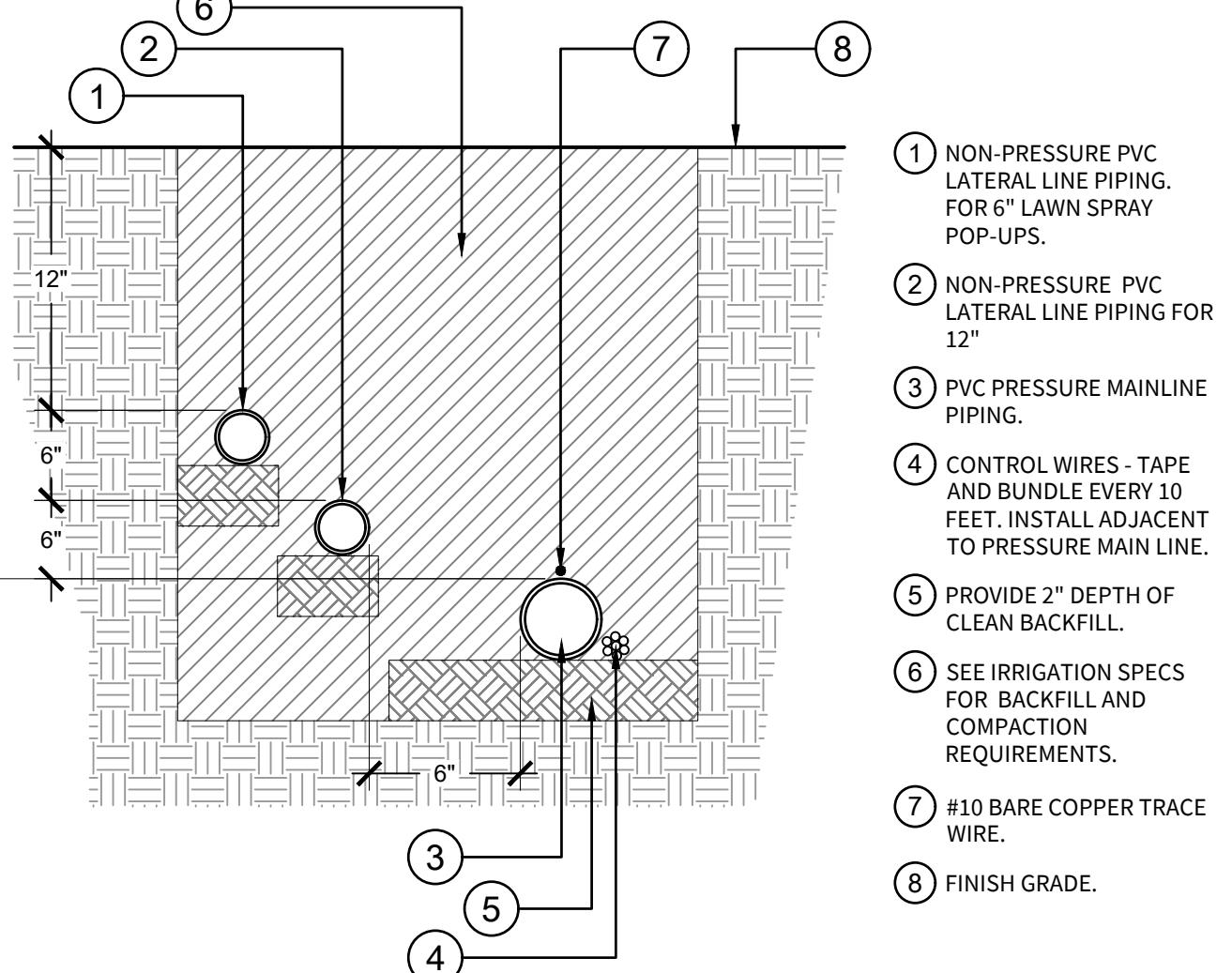
N BRICK (2
ED).

E ADAPTER.

N LINE PIPE.

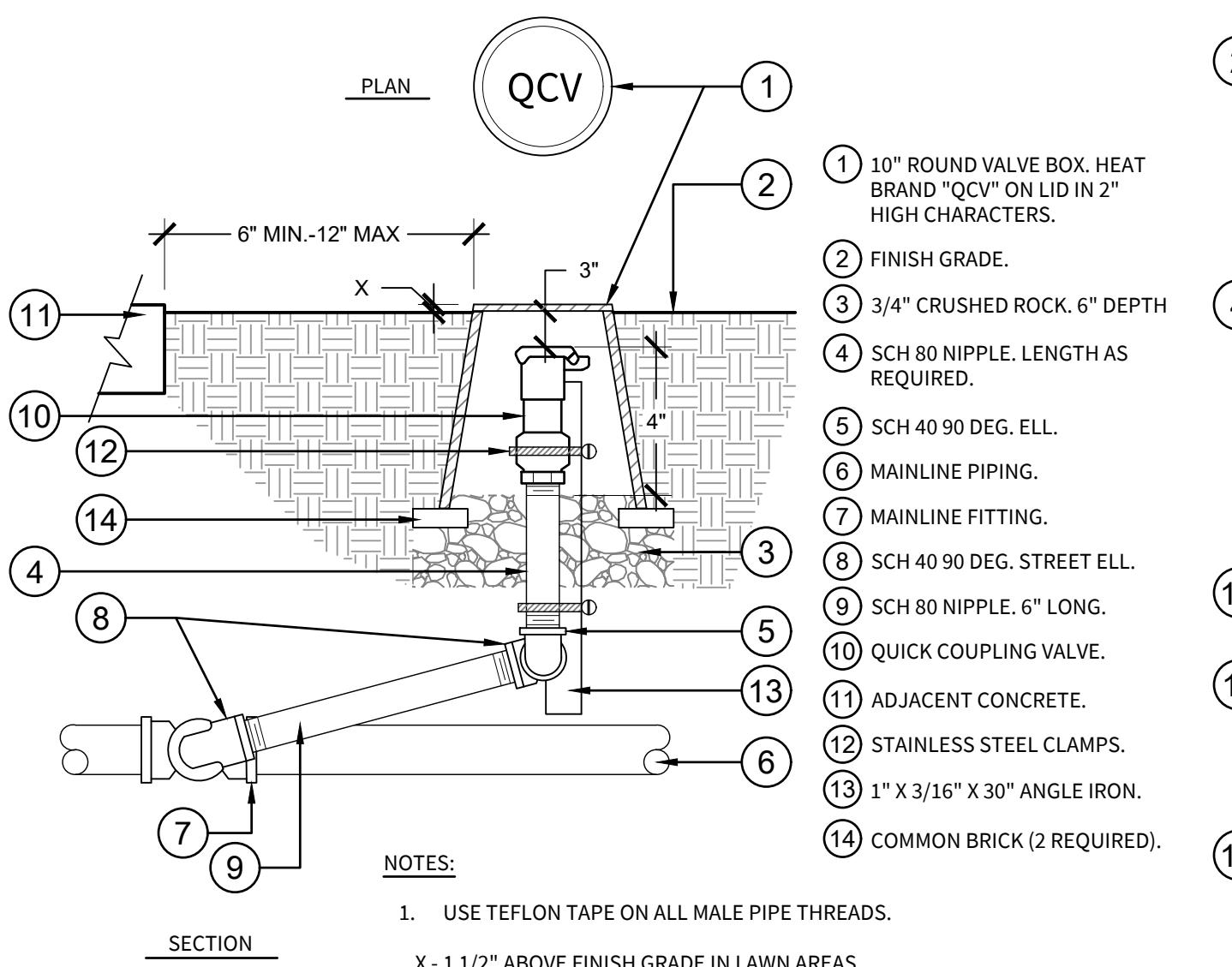
TURF AREAS

SHRUB AREAS



GENERAL IRRIGATION NOTES

1. ALL POP-UP TYPE SPRINKLER HEADS INSTALLED IN SHRUB OR GROUNDCOVER AREAS SHALL BE INSTALLED SO THAT THE TOP OF THE SPRINKLER HEAD IS 1" ABOVE FINISH GRADE.
2. ALL POP-UP TYPE SPRINKLER HEADS INSTALLED IN TURF AREAS SHALL BE INSTALLED SO THAT THE TOP OF THE SPRINKLER HEAD IS FLUSH WITH ADJACENT SIDEWALK OR CURB.
3. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE DESIGNATED ON THE PLANS.
4. ALL SPRINKLERS SHALL BE INSTALLED WITH A 'CHECK VALVE' TO PREVENT DRAINAGE FROM SPRINKLER HEAD WHEN THE SPRINKLER IS OFF. DRAINAGE OF IRRIGATION WATER THROUGH SPRINKLER HEADS WILL NOT BE ALLOWED.
5. THE SPRINKLER SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE OF 65 PSI AND THE MAXIMUM FLOW OF 8.0 GPM AS SHOWN ON THE IRRIGATION DRAWINGS AT THE METER OR POINT OF CONNECTION. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THAT PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO THE START OF CONSTRUCTION, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
6. 120 VOLT ELECTRICAL POWER OUTLET AT THE AUTOMATIC CONTROLLER LOCATION SHALL BE PROVIDED BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO MAKE THE FINAL HOOK-UP FROM THE ELECTRICAL OUTLET TO THE AUTOMATIC CONTROLLER.
7. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS. AVOID ANY CONFLICTS BETWEEN THE SPRINKLER SYSTEM, PLANTING AND ARCHITECTURAL FEATURES.
8. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER-SPRAY ONTO WALKS, ROADWAYS AND/OR BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
9. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
10. INSTALL ALL PIPE MATERIALS AND EQUIPMENT AS SHOWN IN THE DETAILS. USE TEFLON TAPE OR TEFLON PIPE DOPE ON ALL PVC MALE PIPE THREADS ON ALL SPRINKLER SWING JOINT AND VALVE ASSEMBLIES.
11. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, ETC. HE SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB- CONTRACTORS FOR THE LOCATION AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, PAVING, STRUCTURES, ETC.
12. IN ADDITION TO THE CONTROL WIRE SLEEVES SHOWN ON THE DRAWINGS, THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF CONTROL WIRE SLEEVES OF SUFFICIENT SIZE UNDER ALL OTHER PAVED AREAS.
13. CONTRACTOR SHALL PROGRAM IRRIGATION CONTROLLER TO OPERATE AS FOLLOWS POST-CONSTRUCTION: SPRAY VALVES SHALL ONLY BE TURNED ON BETWEEN THE HOURS OF 10:00 P.M. AND 6:00 A.M. BUBBLER AND DRIP VALVES CAN OPERATE AT ANY TIME.
14. PER MWELD, IRRIGATION HEADS MUST BE PLACED SO THAT HARDSCAPED AREAS DRAIN TOWARD LANDSCAPED AREAS, AND WITH NO OVERSPRAY. OTHERWISE A SETBACK FROM HARDSCAPE OF 24" MINIMUM IS REQUIRED.
15. ALL LANDSCAPE AUDITS SHALL BE CONDUCTED BY A THIRD PARTY CERTIFIED LANDSCAPE IRRIGATION AUDITOR.
16. THE PROJECT APPLICANT SHALL SUBMIT AN IRRIGATION AUDIT REPORT WITH THE CERTIFICATE OF COMPLETION TO THE RESPONSIBLE LOCAL AGENCY PER WELO REQUIREMENTS.



QUICK COUPLER (DOMESTIC)

NOT TO SCALE

VALVE BOX. HEAT V" ON LID IN 2" ACTERS.

DE.

ED ROCK. 6" DEPTH

PLE. LENGTH AS

DEG. ELL.

PIPING.

ITTING.

DEG. STREET ELL.

PLE. 6" LONG.

PLING VALVE.

CONCRETE.

STEEL CLAMPS.

30" ANGLE IRON.

ICK (2 REQUIRED).

2

A1

PLAN

4

5

15

13

1

3

6

12

11

10

16

7

8

9

14

10

15

16

NOTE: X = 1" IN TUBE AREAS

SECTION

1 ELECTRIC CONTROL VALVE.

2 RECTANGULAR VALVE BOX W/GREEN BOLT DOWN COVER. HEAT BRAND VALVE STATION NO. ON LID IN 2" HIGH CHARACTERS.

3 CHRISTY I.D. TAG NUMBERED TO MATCH DRAWINGS.

4 FINISH GRADE.

5 PVC MALE ADAPTER. TYPICAL.

6 PVC PIPE TO SPRINKLERS. ANGLE PIPE TO SPECIFIED DEPTH WITH 45° ELLS.

7 COMMON BRICK (2 REQUIRED).

8 COMMON WIRE TO OTHER VALVES ON SAME

9 3/4" CRUSHED ROCK. 8" DEPTH.

10 CONTROL/COMMON WIRES FROM CONTROLLER.

11 PVC SCH 80 NIPPLE..

12 PVC SxS 90° ELL.

13 DBY BY 3M WIRE SPLICE KIT.

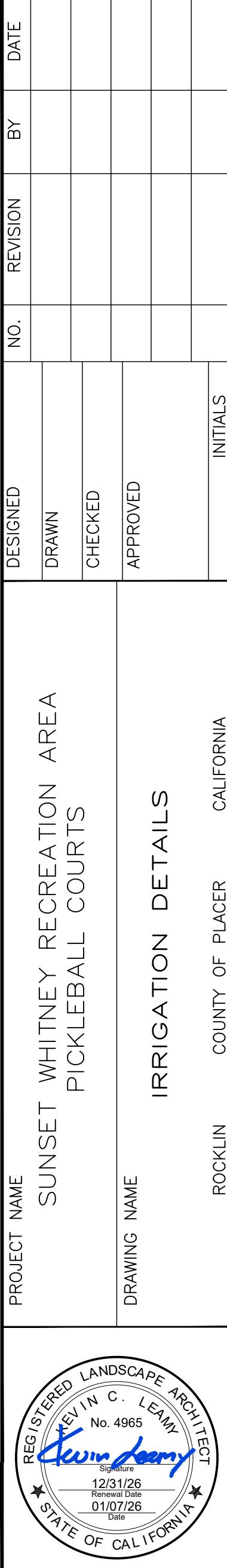
14 MAINLINE FITTING W/SOLVENT WELD OUTLET.

15 BRASS BALL VALVE.

16 UNION FITTINGS.

ELECTRIC REMOTE CONTROL VALVE: W/BALL VALVE

C-23053-24



CITY OF ROCKLIN
COMMUNITY DEVELOPMENT
DEPARTMENT



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The logo for Fuhrman Leamy Land Group. It features a graphic on the left composed of overlapping grey and black triangles forming a stylized mountain or leaf shape. To the right of the graphic, the company name 'FUHRMAN LEAMY' is written in a bold, sans-serif font, with 'FUHRMAN' on the top line and 'LEAMY' on the bottom line. Below 'FUHRMAN' is the word 'LAND' and below 'LEAMY' is the word 'GROUP', both in a smaller version of the same font. Underneath 'LAND' and 'GROUP' is a horizontal line. Below this line, the words 'DESIGN • SERVICE • SOLUTIONS' are written in a smaller, all-caps, sans-serif font. At the bottom of the logo, the address '0 DOUGLAS BLVD., SUITE 275 ROSEVILLE, CA 95661' is in a smaller, all-caps, sans-serif font. Below the address is a phone number '6. 783.5263' and an email address 'info@fllandgroup.com' in a smaller, all-caps, sans-serif font.

RECORD DRAWINGS

ALL INFORMATION SHOWN ON THESE PLANS HAVE BEEN PREPARED BY, OR
UNDER THE DIRECTION OF, THE UNDERSIGNED ENGINEER. ADJUSTMENTS MADE
THE FIELD DURING CONSTRUCTION ARE INCLUDED HEREIN WHEN THE
PROJECT ENGINEER IS ADVISED IN WRITING OF SUCH CHANGE BY THE OWNER,
DEVELOPER, CONTRACTOR, OR THE CITY OF ROCKLIN.

1000

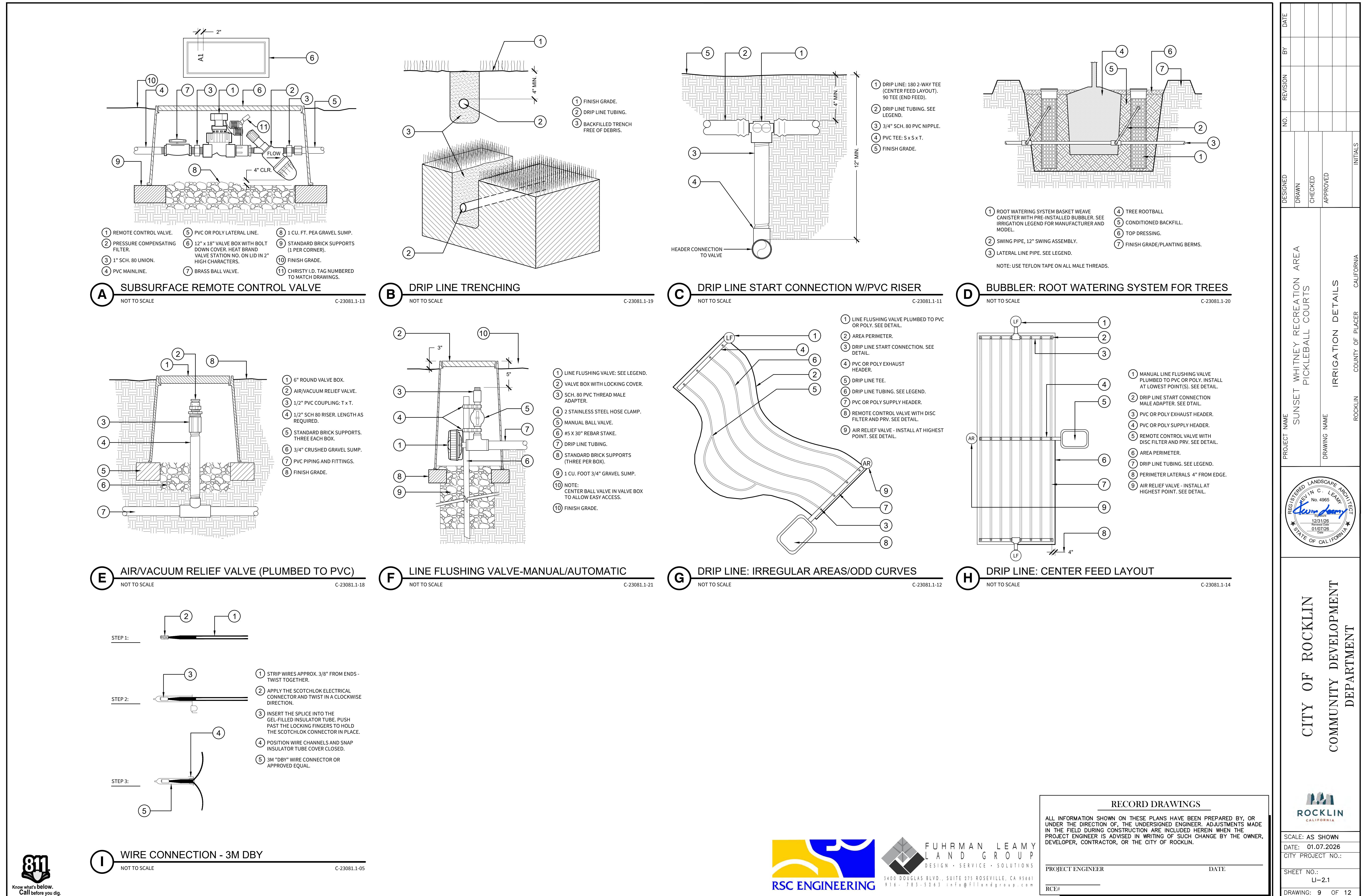
The Rocklin logo consists of a stylized graphic of three vertical, jagged rock formations in shades of grey and blue, positioned above the word "ROCKLIN" in a bold, sans-serif font.

SCALE: AS SHOWN

CITY PROJECT NO.:

SHEET NO.:
LI-2.0

DRAWING: 8 OF



PLANT LIST & LEGEND

SYMBOL	BOTANICAL / COMMON NAME	SIZE	WATER USE	REMARKS	QTY
TREES					
•	ACER RUBRUM 'FRANK JR.' REDPOINTE® MAPLE	15 GAL.	MOD	STD.	12
•	QUERCUS AGRIFOLIA COAST LIVE OAK (60'X40')	15 GAL.	VERY LOW	STD.	2
•	QUERCUS LOBATA VALLEY OAK (60'X40')	15 GAL.	LOW	STD.	2
•	QUERCUS SHUMARDII SHUMARD RED OAK (60'X45')	15 GAL.	MOD	STD.	2
+	TILIA CORDATA 'GREENSPIRE' GREENSPIRE LITTLELEAF LINDEN	15 GAL.	MOD	STD.	4
GROUND COVERS					
■	WALK ON BARK - 3" LAYER PER CITY OF ROCKLIN STANDARDS	--	--	--	24,780 SF

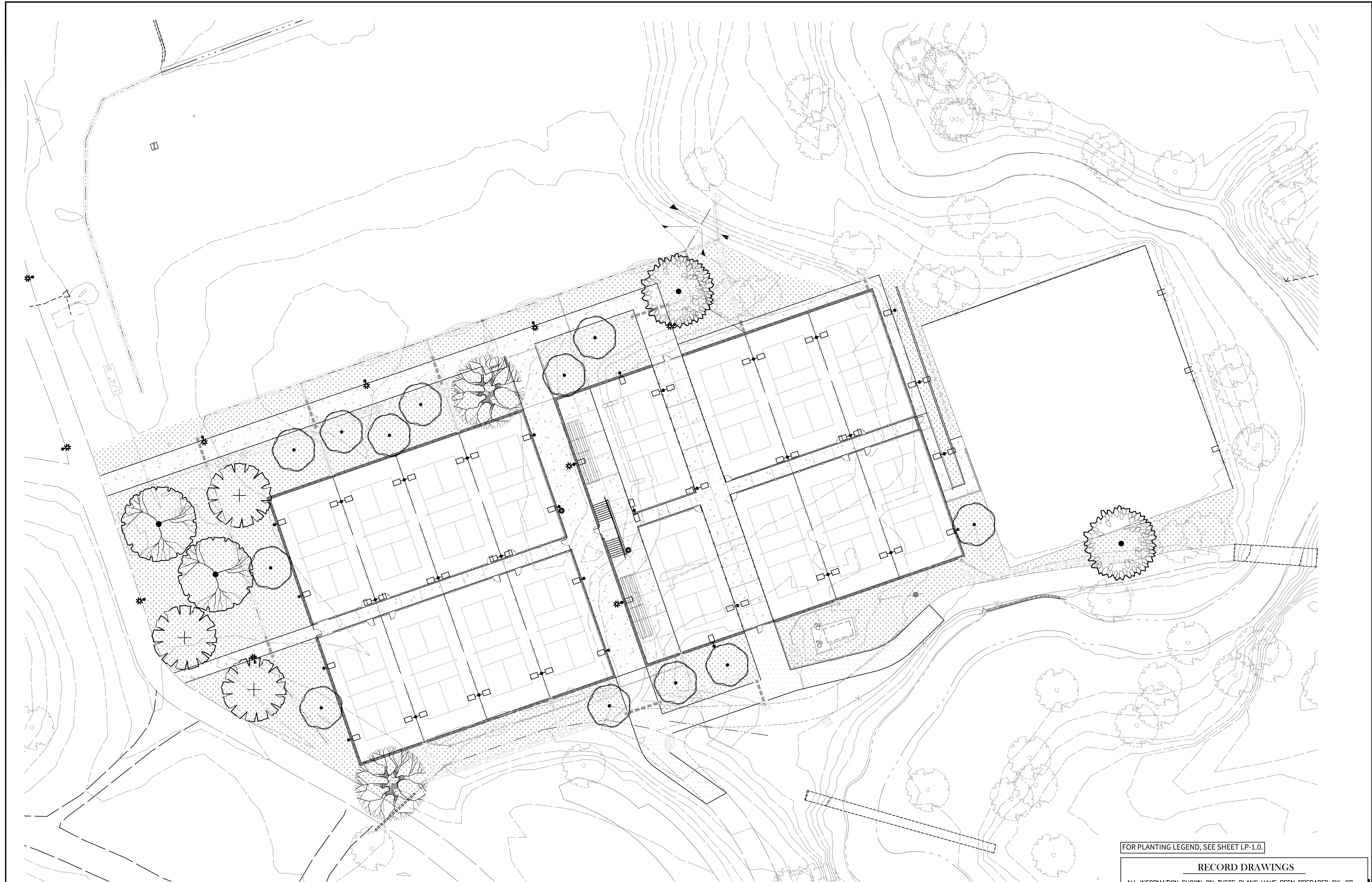


CITY OF ROCKLIN
COMMUNITY DEVELOPMENT
DEPARTMENT

ROCKLIN
CALIFORNIA
SCALE: 1"=50'
DATE: 01.07.2026
CITY PROJECT NO.:
SHEET NO.: LP-1.0
DRAWING: 10 OF 12

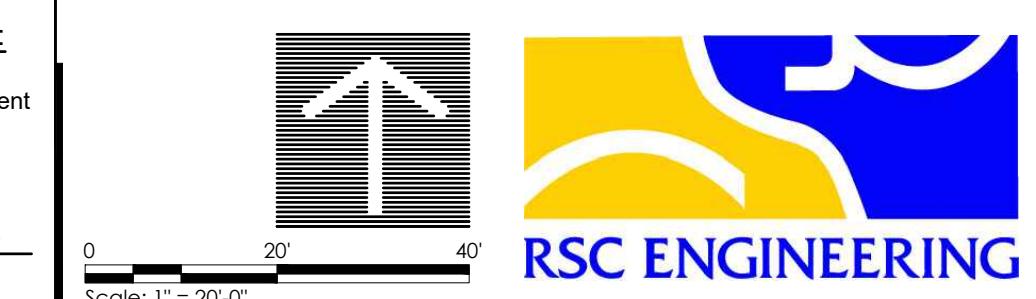
PROJECT NAME	SUNSET WHITNEY RECREATION AREA	REVISION NO.	BY DATE
DRAWN			
CHECKED			
APPROVED			
INITIALS			

Steve Leamy
REGISTERED LANDSCAPE ARCHITECT
No. 4965
12/3/126
Renewed Date
01/07/26
STATE OF CALIFORNIA



WATER EFFICIENT LANDSCAPE ORDINANCE:
 "I have complied with the criteria of the Water Efficient Landscape Ordinance and applied such criteria for the efficient use of water in the landscape design plan."

 4065 License # 8.22.2025
 Applicant Signature Date
 Scale: 1"=20'-0"



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LAND GROUP
DESIGN • SERVICE • SOLUTIONS
3400 DOUGLAS BLVD., SUITE 275 ROSEVILLE, CA 95661
916-783-5263 info@flandgroup.com

FOR PLANTING LEGEND, SEE SHEET LP-1.0.

RECORD DRAWINGS

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 UNDER THE DIRECTION OF, THE UNDERSIGNED ENGINEER. ADJUSTMENTS MADE
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 PROJECT ENGINEER IS ADVISED IN WRITING OF SUCH CHANGE BY THE OWNER,
 DEVELOPER, CONTRACTOR, OR THE CITY OF ROCKLIN.

PROJECT ENGINEER

DATE

RCE#

SCALE: 1"=20'

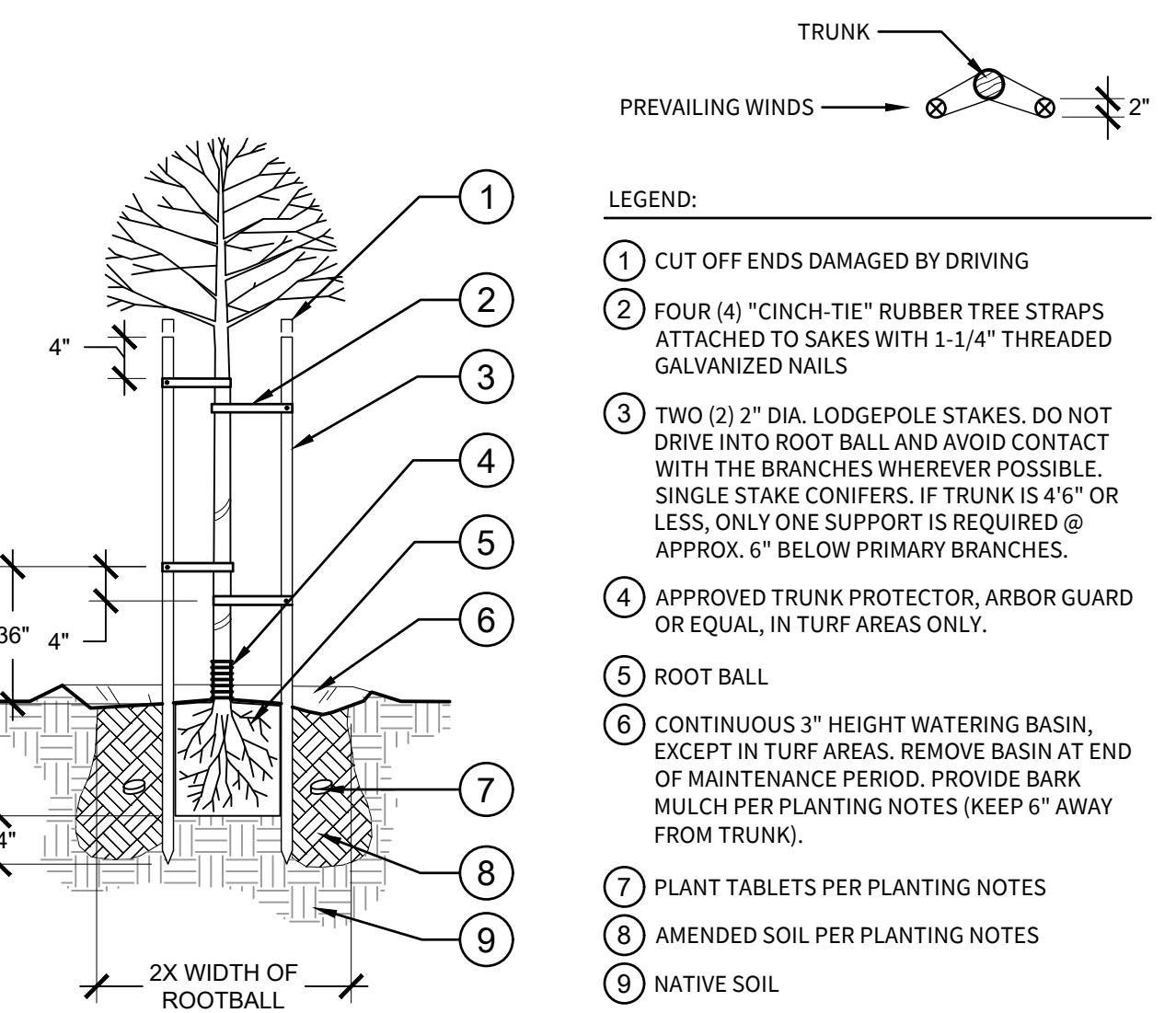
DATE: 01.07.2026

CITY PROJECT NO.:

SHEET NO.:

LP-1.1

DRAWING: 11 OF 12



A TREE STAKING - 2 STAKES, TYP.

3/4" = 1'-0"

PR-24042-10

GENERAL PLANTING NOTES

1. CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION.
2. ALL TREES SHALL BE TAGGED AND/OR APPROVED BY OWNER & LANDSCAPE ARCHITECT. NURSERY SOURCES SHALL BE AT OWNER/LANDSCAPE ARCHITECT'S DISCRETION.
3. ALL SHRUBS AND GROUND COVER AREAS SHALL BE TOP DRESSED WITH A THREE (3") INCH LAYER "WALK-ON" CEDAR BARK PER PLANS AND SPECIFICATIONS.
4. ALL TREES (EXCEPT IN TURF AREAS), SHRUBS AND GROUND COVERS (INCLUDING THOSE ON SLOPES) SHALL HAVE WATERING BASINS BUILT UP AT LEAST TWO (2) TIMES THE DIAMETER OF THE ROOTBALL. TREE AND SHRUB BASINS SHALL BE A MINIMUM OF THREE (3") INCHES HIGH. GROUND COVER BASINS SHALL BE A MINIMUM OF TWO (2") INCHES HIGH.
5. ALL PLANT MATERIALS SHALL BE IMMEDIATELY "HAND" WATERED AFTER PLANTING AND CONTINUALLY MONITORED AND SUPPLEMENTALLY "HAND" WATERED DURING THE CONSTRUCTION AND CONTRACT MAINTENANCE PHASES AS NEEDED.
6. SUBSTITUTION OF PLANT MATERIALS WILL NOT BE ACCEPTABLE UNLESS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT.
7. ALL PLANT MATERIALS DELIVERED TO THE SITE MUST HAVE AT LEAST ONE OF EACH PLANT TYPE TAGGED WITH THE GENUS AND SPECIES CLEARLY MARKED. PLANTS OF THE SAME GENUS TYPE WITH DIFFERENT SPECIES TYPE WITH DIFFERENT COLOR OR SPECIES VARIATION MUST HAVE ALL OF EACH DIFFERENT SPECIES CLEARLY TAGGED.
8. ALL PLANT HOLES SHALL BE DUG TO A MINIMUM OF TWO (2) TIMES THE PLANT CONTAINER WIDTH (WIDTH ONLY, NOT DEPTH) AND ALL VERTICAL SIDES IN THE HOLES SHALL BE SHOVEL SCORED. IN NO CASE SHALL SMOOTHLY EXCAVATED SIDES BE ALLOWED FOR PLANTING.
9. PRIOR TO PLANTING OF ANY MATERIALS, COMPAKTED SOILS SHALL BE TRANSFORMED INTO A FRIABLE CONDITION. ON ENGINEERED SLOPES, ONLY AMENDED PLANTING HOLES NEED TO MEET THIS REQUIREMENT. "FRIABLE" MEANS A SOIL CONDITION THAT IS EASILY CRUMPLED OR LOOSELY COMPAKTED DOWN TO A MINIMUM PLANTING DEPTH PER PLANTING MATERIAL WHEREBY THE ROOT STRUCTURE OR NEWLY PLANTED MATERIAL WILL BE ALLOWED TO SPREAD UNIMPEDED.
10. PREPARE ALL PLANTING AREAS WITH FOUR (4) CUBIC YARDS/1,000 S.F. OF NITROLIZED ORGANIC SOIL CONDITIONER. PROVIDE 200 LBS./1,000 S.F. OF GRO-POWER PLUS FERTILIZER. ROTOTILL EVENLY TO A DEPTH OF SIX (6") INCHES INTO EXISTING SOIL.
11. PROVIDE SOILS FERTILITY TEST, AS PER SPECIFICATIONS, TO LANDSCAPE ARCHITECT PRIOR TO COMMENCING WITH WORK. PREPARE ALL PLANTING AREAS WITH THE MINIMUM OF SOIL CONDITIONER AND FERTILIZER AS STATED IN NOTE #10 ABOVE, OR AS PER RECOMMENDATIONS OF SOILS FERTILITY TEST, WHICHEVER IS GREATER. ROTOTILL EVENLY TO A DEPTH OF SIX (6") INCHES INTO EXISTING SOIL.
12. IF ANY PORTION OF THE SITE IS LIME TREATED, THE LANDSCAPE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING. DO NOT PROCEED WITH ANY WORK IN LIME TREATED SOIL. TYPICALLY, LIME TREATED SOILS ABOVE 1% RESULT IN PH VALUES AND COMPAKATION THAT ARE DELETERIOUS TO PLANT MATERIAL, EVEN WITH AGGRESSIVE AMENDMENTS AND CONDITIONERS. THESE LIME TREATED SOILS MUST BE REMOVED AND REPLACED WITH IMPORT SOILS OF SUITABLE CHEMISTRY AND COMPATIBLE TEXTURE. THE LANDSCAPE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK IN LIME TREATED AREAS UNTIL A RESOLUTION IS PROVIDED IN WRITING.
13. ALL LANDSCAPE BERMS ARE TO BE GRADED SIX (6") INCHES HIGHER THAN THE HIGHEST CONTOUR SHOWN ON PLANS, TYPICAL.
14. ALL LANDSCAPE AREAS WITH A SLOPE OF TWO AND A HALF TO ONE (2-1/2:1) OR GREATER MUST HAVE JUTE NETTING INSTALLED FOR EROSION CONTROL.
15. SHRUB AND GROUND COVER AREAS SHALL BE TREATED WITH CHIPCO RONSTAR 'G' PRE-EMERGENT HERBICIDE. PROVIDE PER MANUFACTURER'S SPECIFICATIONS.

DESIGNED	NO.	REVISION	BY	DATE
DRAWN				
CHECKED				
APPROVED				
PROJECT NAME: SUNSET WHITNEY RECREATION AREA DRAWING NAME: PLANTING DETAILS CITY: ROCKLIN COUNTY: PLACER STATE: CALIFORNIA				
 <p>KEVIN C. LEAMY No. 4965 12/3/26 Renewal Date 01/07/26</p>				
<p>CITY OF ROCKLIN COMMUNITY DEVELOPMENT DEPARTMENT</p> <p>ROCKLIN CALIFORNIA</p>				
<p>RECORD DRAWINGS</p> <p>ALL INFORMATION SHOWN ON THESE PLANS HAVE BEEN PREPARED BY, OR UNDER THE DIRECTION OF, THE UNDERSIGNED ENGINEER. ADJUSTMENTS MADE IN THE FIELD DURING CONSTRUCTION ARE INCLUDED HEREIN WHEN THE PROJECT ENGINEER IS ADVISED IN WRITING OF SUCH CHANGE BY THE OWNER, DEVELOPER, CONTRACTOR, OR THE CITY OF ROCKLIN.</p> <p>SCALE: AS SHOWN DATE: 01.07.2026 CITY PROJECT NO.: SHEET NO.: LP-2.0 DRAWING: 12 OF 12</p>				



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PROJECT ENGINEER	DATE
RCE#	

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

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	<u>GENERAL</u> DETAIL NUMBER AND SHEET LOCATION
	NEW WORK
	CONDUIT AND WIRE TAG
	KEYED NOTE
	LIGHTING
	AREA LUMINAIRE ARM MOUNTED WITH POLE AND CONCRETE BASE
	<u>MISCELLANEOUS</u>
	BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.
	BRANCH PANEL
	CIRCUIT BREAKER
	CURRENT TRANSFORMER
	DIGITAL TYPE METER WITH VOLTMETER, AMMETER, KW METER, KVA METER, KVAR METER, AND %THD METER
	EQUIPMENT CONNECTION ITEM. REFER TO SCHEDULE
	FLUSH MOUNT EQUIPMENT ENCLOSURE AS NOTED
	FLUSH WALL MOUNTED BRANCH PANEL
	GROUND ROD
	GROUNDING POINT
	LANDING LUG
	MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL
	METER WITH CONNECTION
	SURFACE MOUNT EQUIPMENT ENCLOSURE AS NOTED
	<u>RACEWAYS</u>
	CONDUIT CONCEALED IN WALL OR CEILING SPACE
	CONDUIT ROUTED BELOW FLOOR / GRADE
	CONDUIT ELLED DOWN
	CONDUIT ELLED UP
	CONDUIT/WIRING CONTINUATION
	CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	UTILITY TRANSFORMER PAD/VULT
	WALL MOUNTING BRACKET
	WATER PIPE GROUND CONNECTION
	<u>CONNECTIONS / EQUIPMENT</u>
	HEAVY DUTY FUSED DISCONNECT SWITCH
	JUNCTION BOX
	JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT
	WALL-MOUNTED JUNCTION BOX
	NON-FUSED DISCONNECT SWITCH
	TRANSFORMER
	PULL BOX
	ENCLOSED CIRCUIT BREAKER
	MOTOR / ELECTRICAL EQUIPMENT
	4-PLEX RECEPTACLE, 120V, 20 AMP, GFCI

ELECTRICAL GENERAL NOTES	
A.	ALL WORK SHALL COMPLY WITH ALL LOCAL AND STATE CODES AND AUTHORITIES HAVING JURISDICTION.
B.	THE CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE ALL REQUIRED INSPECTIONS.
C.	THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS AND TRADES.
D.	THESE DRAWINGS, AS PREPARED, ARE DIAGRAMMATIC BUT SHALL BE FOLLOWED AS CLOSELY AS CONSTRUCTION OF THE PROJECT AND THE WORK OF THE TRADES WILL PERMIT. EQUIPMENT LOCATIONS INDICATED ARE APPROXIMATE. COORDINATE EXACT LOCATIONS AND REQUIRED CLEARANCES WITH EQUIPMENT SUPPLIER AND ALL TRADES PRIOR TO INSTALLATION.
E.	THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE EQUIPMENT INDICATED WITHIN THESE DRAWINGS UNLESS OTHERWISE NOTED. VERIFY LOCATION AND DIMENSIONS IN THE FIELD PRIOR TO FABRICATION AND / OR INSTALLATION.
F.	THE ENTIRE INSTALLATION SHALL BE GUARANTEED FREE OF DEFECTS AND CONTRACTOR SHALL REPAIR AND / OR REPLACE ANY DEFECTIVE MATERIALS OR EQUIPMENT AT NO COST TO THE OWNER FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY ARCHITECT OR ENGINEER.
G.	ALL WORK SHALL BE SUBJECT TO THE ACCEPTANCE AND APPROVAL OF THE ARCHITECT AND OWNER. THE ARCHITECT SHALL BE NOTIFIED OF ANY AND ALL DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK. FAILURE OF PROPER NOTIFICATION DOES NOT RELIEVE THE CONTRACTOR. THE CONTRACTOR SHALL CORRECT ANY AND ALL WORK ARISING FROM SUCH FAILURE TO COORDINATE DISCREPANCIES TO THE SATISFACTION OF THE ARCHITECT WITHOUT ADDITIONAL COST TO THE OWNER.
H.	CONTRACTOR SHALL COORDINATE ALL ELECTRICAL SERVICE REQUIREMENTS WITH ROSEVILLE ELECTRIC.

ELECTRICAL DEMOLITION NOTES

- THE ELECTRICAL DRAWING SET IS PREPARED BASE OF LIMITED FIELD OBSERVATION ONLY. ACTUAL CONDITIONS MAY VARY IN FIELD. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ELECTRICAL ENGINEER OF RECORD PRIOR TO BID.
- SEE CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.
- DISCONNECT AND MOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.
- FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUIT ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
- FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS/DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATION/DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.

SHEET INDEX

E0.1	ELECTRICAL COVER SHEET
E0.2	ONE-LINE DIAGRAM & SCHEDULES
E1.0	ELECTRICAL OVERALL SITE PLAN
E1.1	ELECTRICAL DEMOLITION SITE PLAN
E1.2	ELECTRICAL SITE PLAN
E2.1	NOT USED
E3.0	ELECTRICAL DETAILS
E3.1	LIGHTING DETAILS
E3.2	LIGHTING DETAILS
E4.1	TITLE 24 LTO FORMS
E4.2	TITLE 24 LTO FORMS
E5.1	ELECTRICAL SPECIFICATIONS
E5.2	ELECTRICAL SPECIFICATIONS
E6.0	SUPPLEMENT - SITE LIGHTING PHOTOMETRIC PLAN

RECORD DRAWINGS

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PROJECT ENGINEER
DATE
SHEET NO.:
E0.1

PROJECT NAME	SUNSET WHITNEY RECREATION AREA		
DRAWING NAME	PICKLEBALL COURTS		
ROCKLIN	COUNTY OF PLACER	CALIFORNIA	CALIFORNIA
DATE	3-31-2026	INITIALS	
REGISTRATION NO.	E 23927	REGISTRATION NO.	10042026
REGISTERED PROFESSIONAL ENGINEER	ROCKLIN, CALIFORNIA	REGISTERED PROFESSIONAL ENGINEER	ROCKLIN, CALIFORNIA
Date Signed:	3-31-2026		
CITY OF ROCKLIN			
COMMUNITY DEVELOPMENT DEPARTMENT			
ROCKLIN CALIFORNIA			
SCALE: AS SHOWN	DATE: 01.07.2026	CITY PROJECT NO.:	
SHEET NO.:	E0.1	DRAWING NO.:	1 OF 13



RANCHO CORDOVA, CALIFORNIA

NH - JC 220678.99

PM - DESIGN TEAM PROJECT NO.



FUHRMAN LEAMY

LAND GROUP

DESIGN • SERVICE • SOLUTIONS

3400 DOUGLAS BLVD., SUITE 275 ROSEVILLE, CA 95661

916 - 783 - 5263 info@flandgroupl.com



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PANELBOARD SCHEDULE - L1											
DESIGNATION	FEEDER NO.	POLES & AMPS	LOAD, VA			LOAD, VA			POLES & AMPS	FEEDER NO.	DESIGNATION
			LTG.	RECEPT.	OTHER	C	H	K			
RECEPTACLES		1/20**		450		1	A	2	1400		2/20
SPACE						3	B	4	1400		
IRRIGATION CONTROLLER		1/20**		500	5 C 6	1800				2/20	PICKLEBALL COURT 98/10
LIGHTING CONTROLS		1/20		500	7 A 8	1800				2/20	PICKLEBALL COURT 11&12
SPACE					9 B 10	1200				2/20	PICKLEBALL COURT 13&14
PATHWAY/SECURITY LIGHTING/PLAZA		2/20	1250		13 A 14	1200				2/20	PICKLEBALL COURT 15&16
PICKLEBALL COURT 1&2		2/20	1250		15 B 16	1200				2/20	PICKLEBALL COURT 17&18
PICKLEBALL COURT 3&4		2/20	1400		17 C 18	1400				2/20	PICKLEBALL COURT 19&20
PICKLEBALL COURT 5&6		2/20	1200		19 A 20	1400				2/20	PICKLEBALL COURT 21&22
SPACE					21 B 22						SPACE
SPACE					23 C 24						SPACE
SPACE					25 A 26						SPACE
SPACE					27 B 28						SPACE
SPACE					29 C 30						SPACE
SPACE					31 A 32						SPACE
SPACE					33 B 34						SPACE
SPACE					35 C 36						SPACE
SPACE					37 A 38						SPACE
SPACE					39 B 40						SPACE
SPACE					41 C 42						SPACE
			10,100	450	1,000		14,000	0	0		SECTION SUB-TOTALS

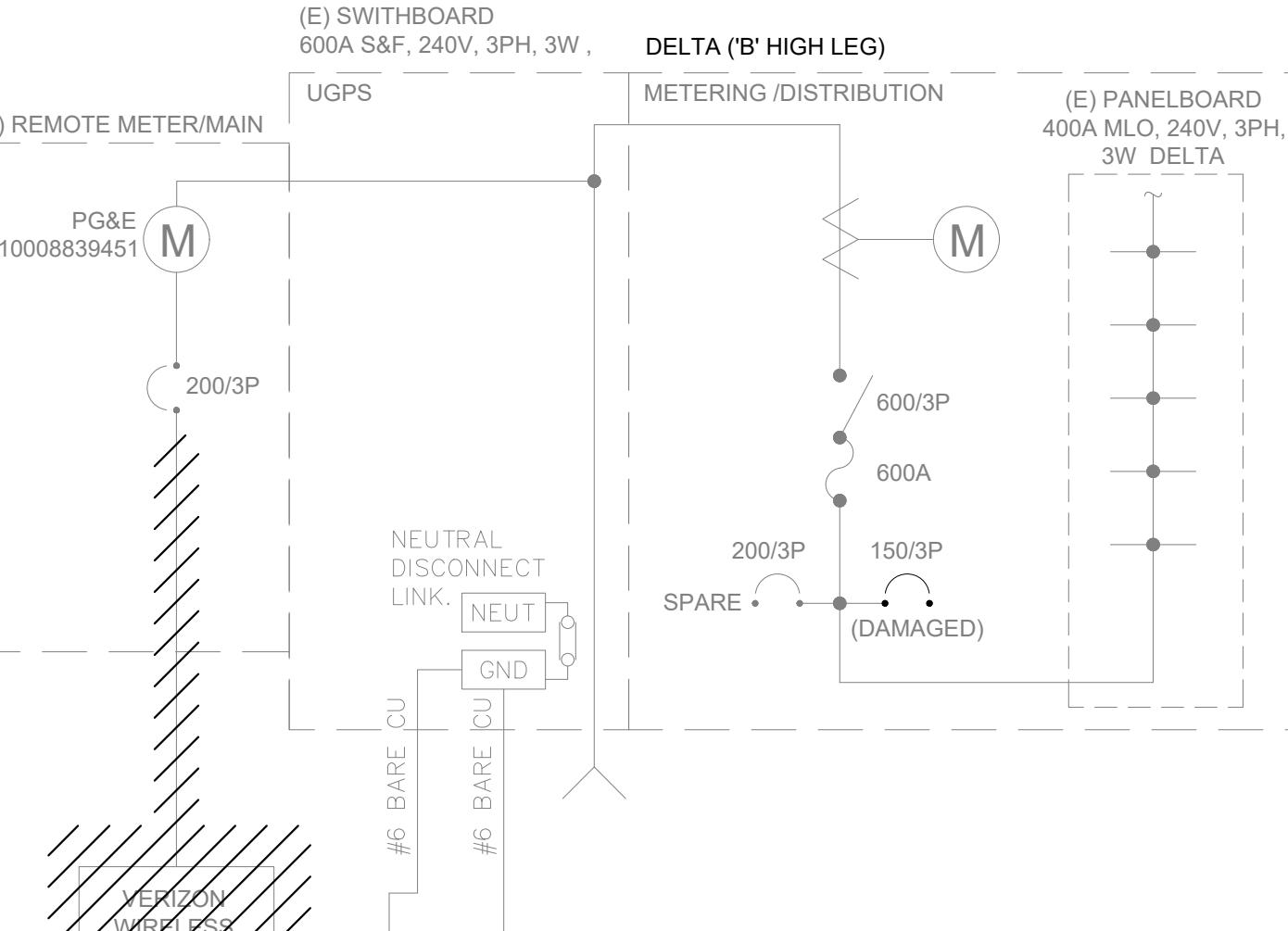
LOAD CALCULATIONS

EXISTING SERVICE CAPACITY	200A	240V 3PH
NEW LOAD		
(3) RECEPTACLES 0.18KW @120V (1Φ)	540.0 VA	
(1) IRRIGATION CONTROLLER 0.5KW @120V (1Φ)	500.0 VA	
(53) SPORTS LIGHTING 'P' 0.4KW @240V (1Φ)	21,200.0 VA	
(2) LIGHTING 'P' 0.3KW @240V (1Φ)	600.0 VA	
(5) LIGHTING 'P' 0.3KW @240V (1Φ)	1,500.0 VA	
(10) LIGHTING 'W' 0.1KW @240V (1Φ)	1,000.0 VA	
(1) LIGHTING CONTROL 0.3KW @120V (1Φ)	300.0 VA	
TOTAL LOADS	25,640.0 VA	
AMPS AT 240/120V 3PH	61.7 AMPS	
+25% SPARE CAPACITY	15.4 AMPS	
TOTAL	77.1 AMPS	

THE EXISTING 200A 240/120V SERVICE IS ADEQUATE

KEY NOTES:

- CONTRACTOR SHALL TEST ALL ASPECTS OF THE EXISTING SWITCHBOARD FOR PROPER OPERATION. CONTRACTOR SHALL REPAIR ANY DEFICIENCIES FOUND TO AS NEW CONDITION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- FURNISH AND INSTALL NEW 200 AMP, 120/240V, 3 PHASE CIRCUIT BREAKER.
- PRIOR TO INSTALLING NEW SERVICE DISCONNECT CIRCUIT BREAKER AND REQUESTING PG&E METER REINSTATEMENT, VERIFY EXISTING GROUNDING ELECTRODE SYSTEM (GES) INCLUDING GROUND RODS (MIN. 5/8" x 8" COPPER-CLAD PER PG&E STD. 031109), CLAMPS, CONNECTORS, AND BONDING JUMPS. CONSULT PG&E GROUNDING SIZING (PER CEC TABLE 260-6). MECHANICAL PROTECTION OF GROUNDING ELECTRODE CONDUCTOR (SEC. E.G., RIGID STEEL CONDUIT OR ARMORED), AND SINGLE NEUTRAL-GROUND BOND ONLY AT THE MAIN SERVICE DISCONNECT. OBTAIN LOCAL AHJ INSPECTION AND GREEN TAG PRIOR TO PG&E PRE-ENERGIZATION. REFERENCE PG&E GREENBOOK SECTION 5.8 AND CEC ARTICLE 250 FOR FULL COMPLIANCE.



CAUTION: HIGH LEG ON PHASE B (208V TO NEUTRAL). DO NOT CONNECT 120 VOLT LOADS OR SINGLE-POLE BREAKERS TO PHASE B. PHASES 1 AND CARE 120 VOLT TO NEUTRAL.

VOLTAGE DROP CALCULATION											
3 PHASE FORMULA:				1 PHASE FORMULA:							
$\frac{\sqrt{3}L'R^A}{1000}$			%VD= $\frac{VD*100\%}{V}$	$\frac{2'L'R^A}{1000}$			%VD= $\frac{VD*100\%}{V}$				
PANEL	DISTANCE (FT)	AMPS	VOLTAGE	CONDUCTOR TYPE	PHASE	WIRE SIZE	CONDUIT	IMPEDANCE: OHMS/KFT	VD	%VD	
L1-13/15 SECURITY	722	2	240	CU	1	#10	PVC	1.100	2.38	0.99%	
L1-13/15 PEDESTRIAN	650	2	240	CU	1	#10	PVC	1.100	2.86	1.19%	
L1-17/19 PICKLEBALL	270	12	240	CU	1	#10	PVC	1.100	7.13	2.97%	
L1-21/23 PICKLEBALL	245	10	240	CU	1	#10	PVC	1.100	5.39	2.25%	
L1-25/27 PICKLEBALL	210	10	240	CU	1	#12	PVC	1.700	7.14	2.98%	
L1-2/4 PICKLEBALL	170	12	240	CU	1	#12	PVC	1.700	6.94	2.89%	

1. CONDUCTOR IMPEDANCE VALUES BASED ON CEC CHAPTER 9 TABLE 9 - EFFECTIVE IMPEDANCE FOR UNCOATED COPPER WIRES IN PVC OR STEEL CONDUIT @ 0.85 PF (OHM/KFT)
2. PER CEC 210.19(A)(1)FPN NO. 4: BRANCH CIRCUITS ARE ALLOWED 3% VOLTAGE DROP AND THE MAXIMUM TOTAL VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE FARDEST OUTLET DOES NOT EXCEED 5%

LIGHTING FIXTURE SCHEDULE												
Tag	Area	Description		Manufacturer / Model		Lamps	Watts	Voltage	Fixture Mounting Height (Afg)	Mounting	Mounting Detail	Notes
W	PATHWAY	LIGHTING POLE, SINGLE FIXTURE		BASELINE: BLS-ARLM-100-1-DDK-D-AM-T4-AD		LED	40	240	12'	POLE	4/E3.2	1.3
P	SPORTS	SPORTS LIGHTING		BASELINE: BLS-ARLM-400-1-DDK-D-AM-T4-AD		LED	400	240	22'	POLE	38/E3.2	4
P2	SECURITY	LIGHTING POLE, SINGLE FIXTURE		BASELINE: BLS-ARLM-300-1-DDK-D-AM-T4-AD		LED	120	240	16'	POLE	3/E3.2	2
P3	PLAZA	LIGHTING POLE, SINGLE FIXTURE		BASELINE: BLS-ARLM-300-1-DDK-D-AM-T4-AD		LED	300	240	22'	POLE	3/E3.2	5

NOTES:
1 100 WATT LED DRIVER SET AT 40%
2 300 WATT LED DRIVER SET AT 40%
3 12' HIGH X 4" SQ. SQUARE STRAIGHT STEEL POLE (SINGLE FIXTURE), DARK BRONZE POWDER COAT - LUMECON H-SSS12B4-4-D190-BM
4 TWO POLE TYPES ARE USED FOR SPORTS. SEE PLANS FOR NUMBER OF FIXTURES AND FOUNDATION REQUIRED.
22' HIGH X 4" SQ. SQUARE STRAIGHT STEEL POLE (SINGLE FIXTURE), DARK BRONZE POWDER COAT - LUMECON H-SSS22B4-4-D190-BM
22' HIGH X 4" SQ. SQUARE STRAIGHT STEEL POLE (DUAL FIXTURES), DARK BRONZE POWDER COAT - LUMECON H-SSS22B4-4-D218-BM
5 22' HIGH X 4" SQ. SQUARE STRAIGHT STEEL POLE (DUAL FIXTURES), DARK BRONZE POWDER COAT - LUMECON H-SSS22B4-4-D218-BM

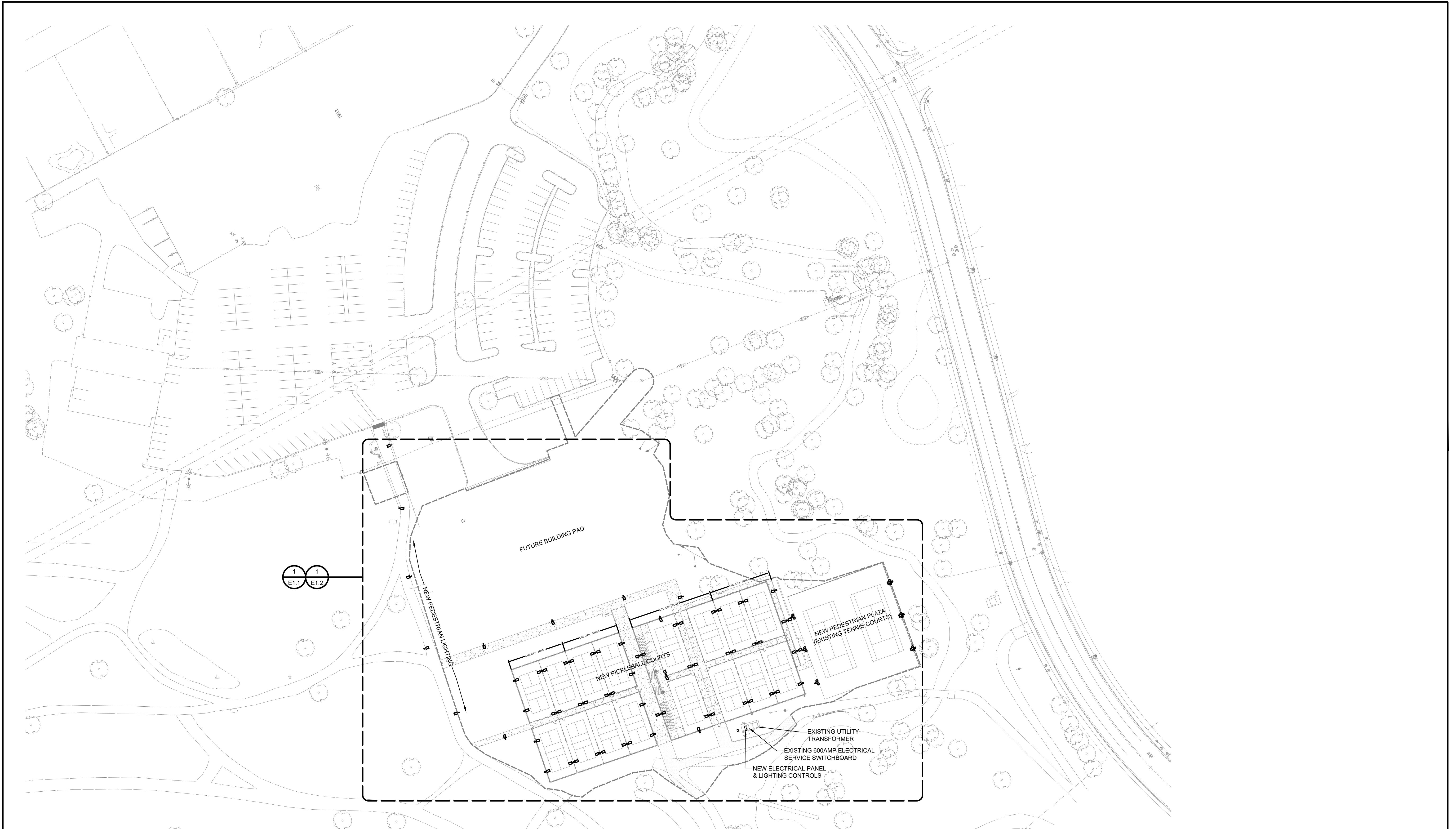
A: THIS LIGHTING SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING ELECTRICAL SPECIFICATIONS.
B: SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.
C: PROVIDE SUBMITTALS THAT INCLUDE LIGHTING FIXTURE, LED, AND DRIVER INFORMATION FOR EACH FIXTURE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD.
D: PROVIDE COMMISSIONING OF THE LIGHTING AND LIGHTING CONTROLS IN ACCORDANCE WITH CALIFORNIA TITLE 24 COMMISSIONING REQUIREMENTS.



Know what's below.
Call before you dig.

FEEDER SCHEDULE

FEEDER



ELECTRICAL OVERALL SITE PLAN

SCALE : 1" = 50'-0"

1
E1.0



Know what's below.
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RANCHO CORDOVA, CALIFORNIA
NH - JC 220678.99
PM - DESIGN TEAM PROJECT NO.



DESIGN • SERVICE • SOLUTIONS
3400 DOUGLAS BLVD., SUITE 275 ROSEVILLE, CA 95661
916-783-5263 info@fllandgroup.com

RECORD DRAWINGS

ALL INFORMATION SHOWN ON THESE PLANS HAVE BEEN PREPARED BY, OR
UNDER THE DIRECTION OF, THE UNDERSIGNED ENGINEER. ADJUSTMENTS MADE
IN THE FIELD DURING CONSTRUCTION ARE INCLUDED HEREIN WHEN THE
PROJECT ENGINEER IS ADVISED IN WRITING OF SUCH CHANGE BY THE OWNER,
DEVELOPER, CONTRACTOR, OR THE CITY OF ROCKLIN.

PROJECT ENGINEER

DATE

SHEET NO.: E1.0

DATE

RCE#



SCALE: AS SHOWN

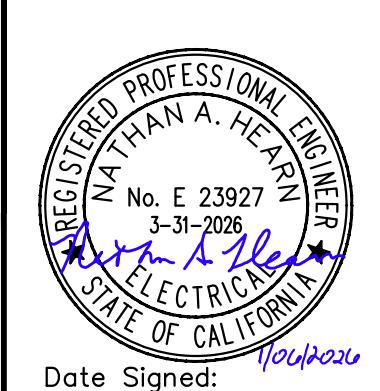
DATE: 01.07.2026

CITY PROJECT NO.:

SHEET NO.:

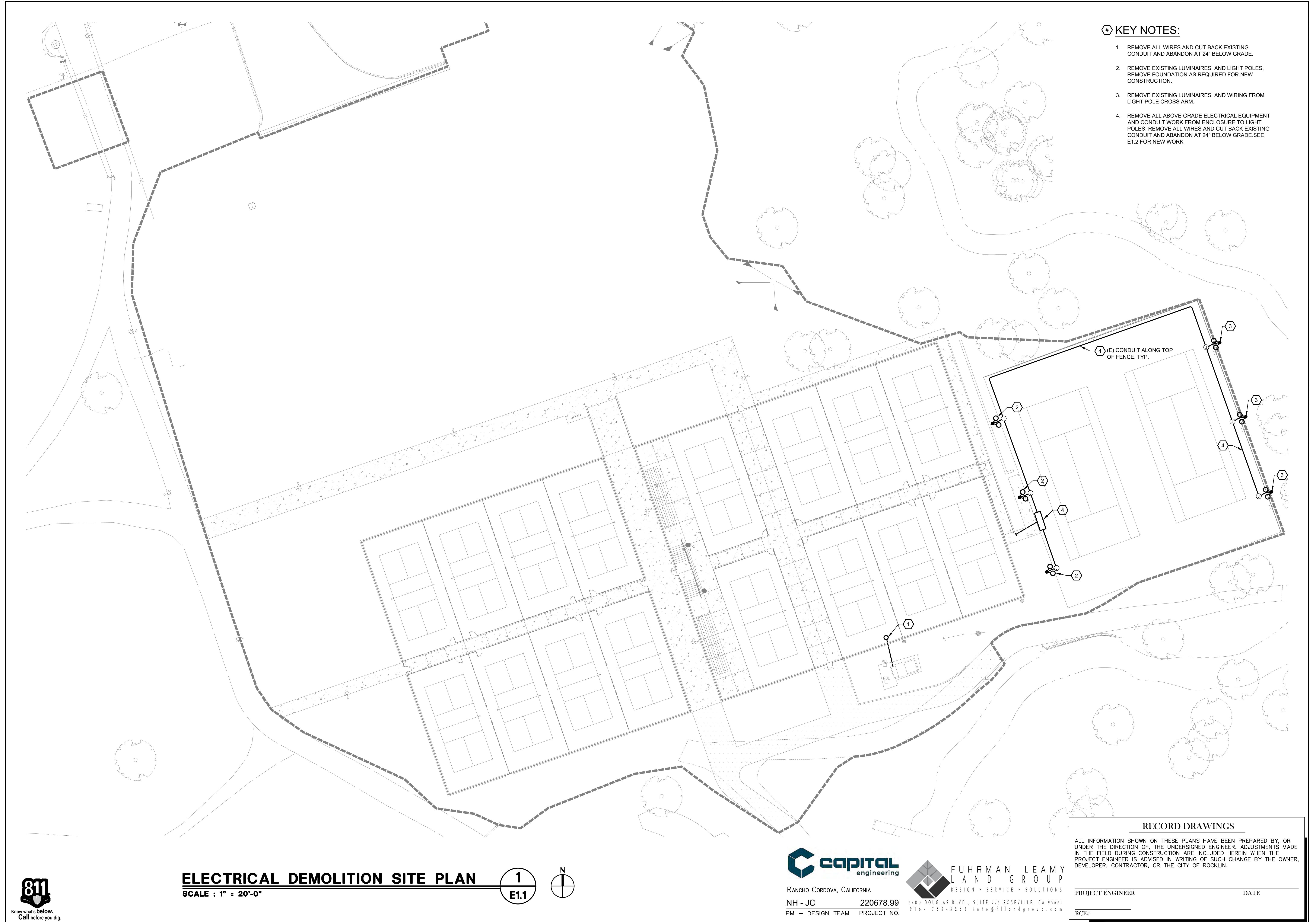
DRAWING: 3 OF 13

PROJECT NAME	SUNSET WHITNEY RECREATION AREA	NO.	REVISION	BY	DATE
DRAWING NAME	PICKLEBALL COURTS				
INITIALS					
DESIGNED					
DRAWN					
CHECKED					
APPROVED					



Date Signed: 10/10/2026

CITY OF ROCKLIN
COMMUNITY DEVELOPMENT
DEPARTMENT



PROJECT NAME	SUNSET WHITNEY RECREATION AREA		
DRAWING NAME	ELECTRICAL DEMOLITION SITE PLAN		
ROCKLIN	COUNTY OF PLACER	CALIFORNIA	CALIFORNIA
DESIGNED	NO.	REVISION	BY
DRAWN			DATE
CHECKED			
APPROVED			
INITIALS			

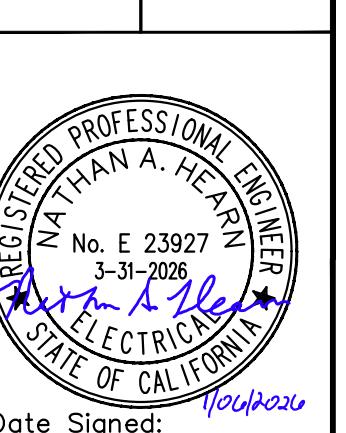
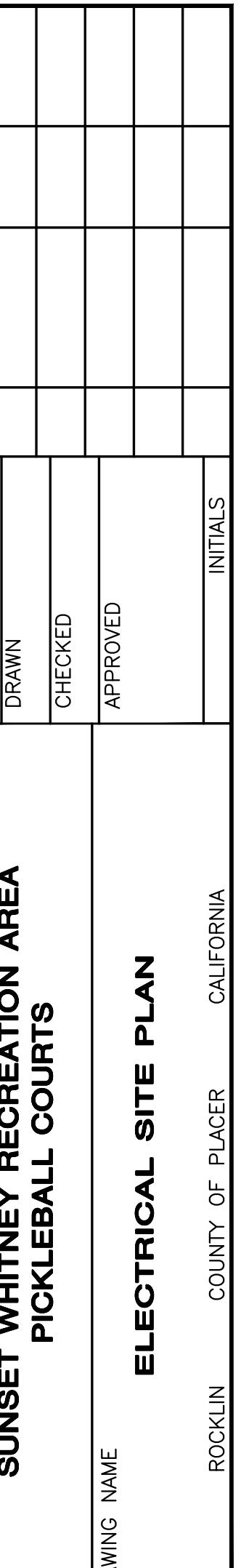
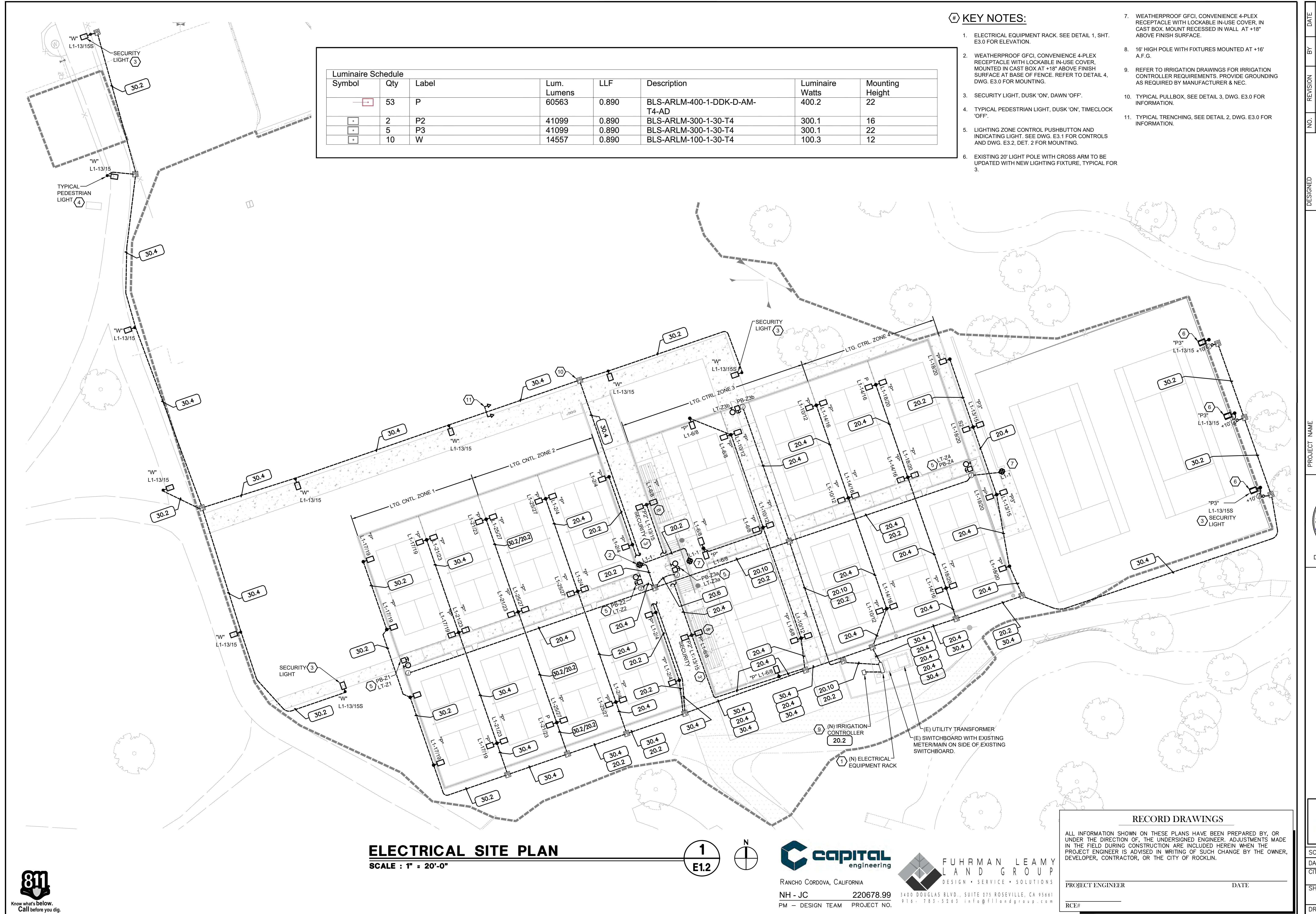
REGISTERED PROFESSIONAL ENGINEER
No. E 23927
TANIA A. HEDGES
3-31-2026
STATE OF CALIFORNIA
Date Signed: 10/10/2026

CITY OF ROCKLIN
COMMUNITY DEVELOPMENT
DEPARTMENT

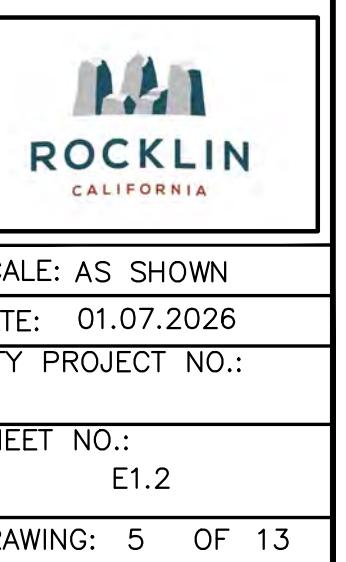
ROCKLIN
CALIFORNIA

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COMMUNITY DEVELOPMENT
DEPARTMENT



ELECTRICAL SITE PLAN

SCALE : 1" = 20'-0"

1
E1.2



RANCHO CORDOVA, CALIFORNIA

The logo for Fuhrman Leamy Land Group. It features a graphic on the left composed of several overlapping triangles in shades of gray and black, forming a mountain-like shape. To the right of the graphic, the company name 'FUHRMAN LEAMY' is written in a large, bold, sans-serif font. Below 'FUHRMAN' and 'LEAMY' are the words 'LAND GROUP' in a slightly smaller, bold, sans-serif font. At the bottom of the logo, the words 'DESIGN • SERVICE • SOLUTIONS' are written in a smaller, bold, sans-serif font.

RECORD DRAWINGS

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DEVELOPER, CONTRACTOR, OR THE CITY OF ROCKLIN.

ARED BY, OR
STMENTS MADE
HEN THE
BY THE OWNER,

DATE: AS SHOWN

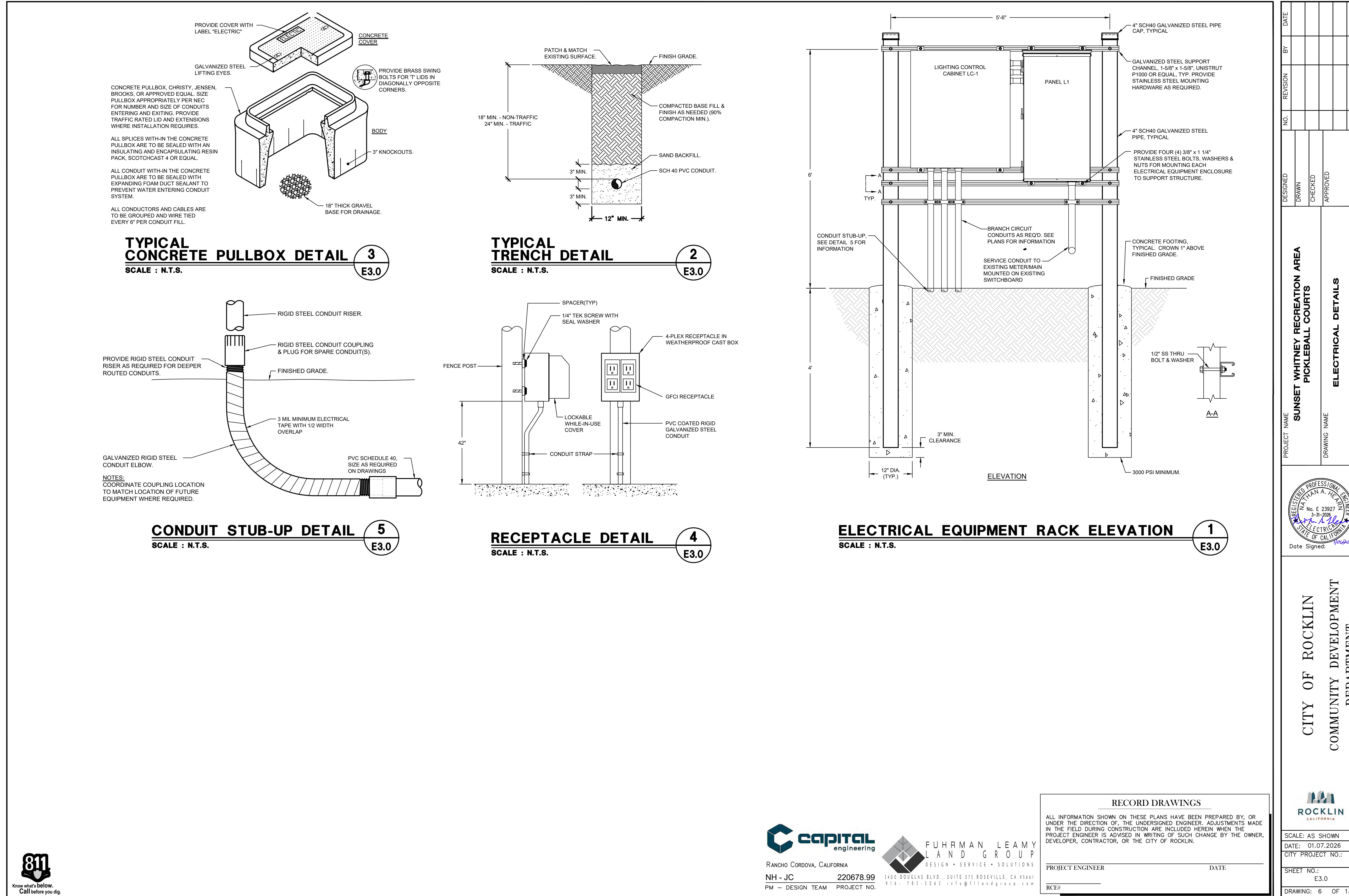
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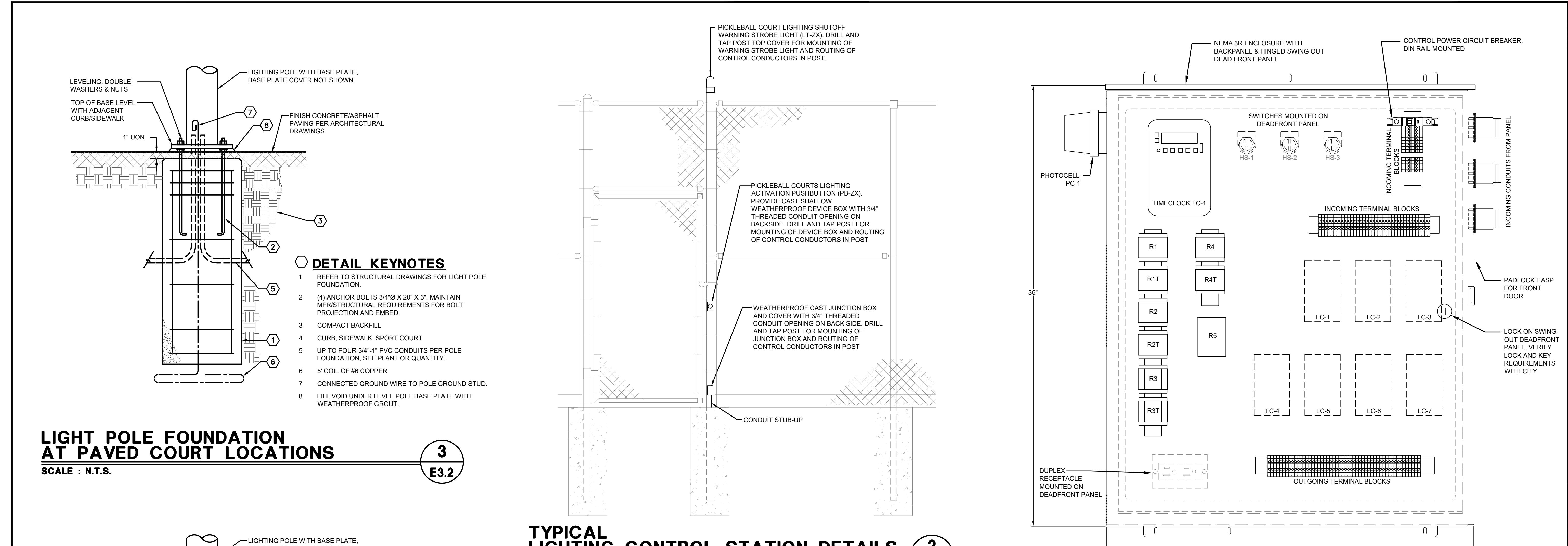
PROJECT NO..

MEET NO.:

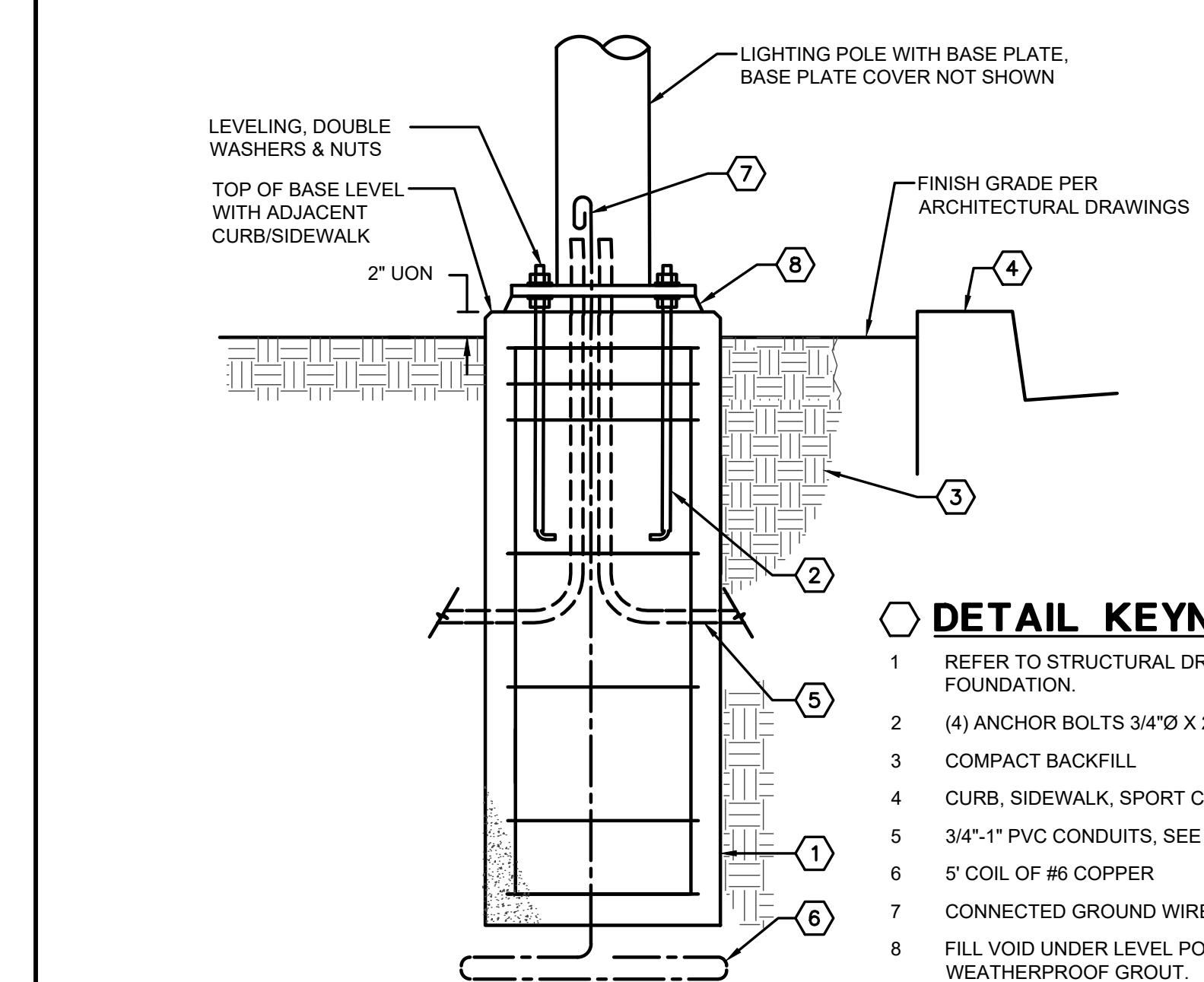
E1.2

DRAWING: 5 OF





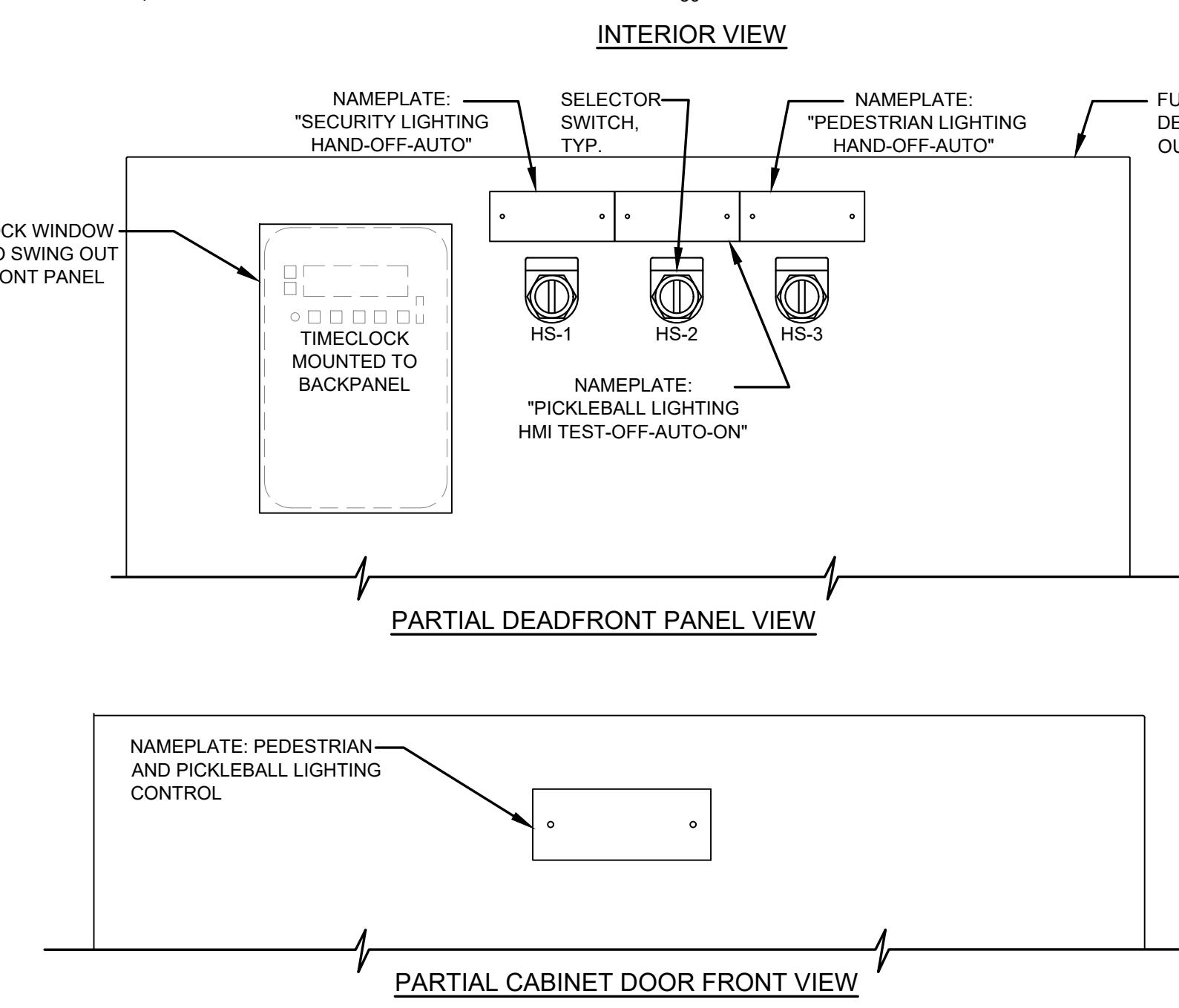
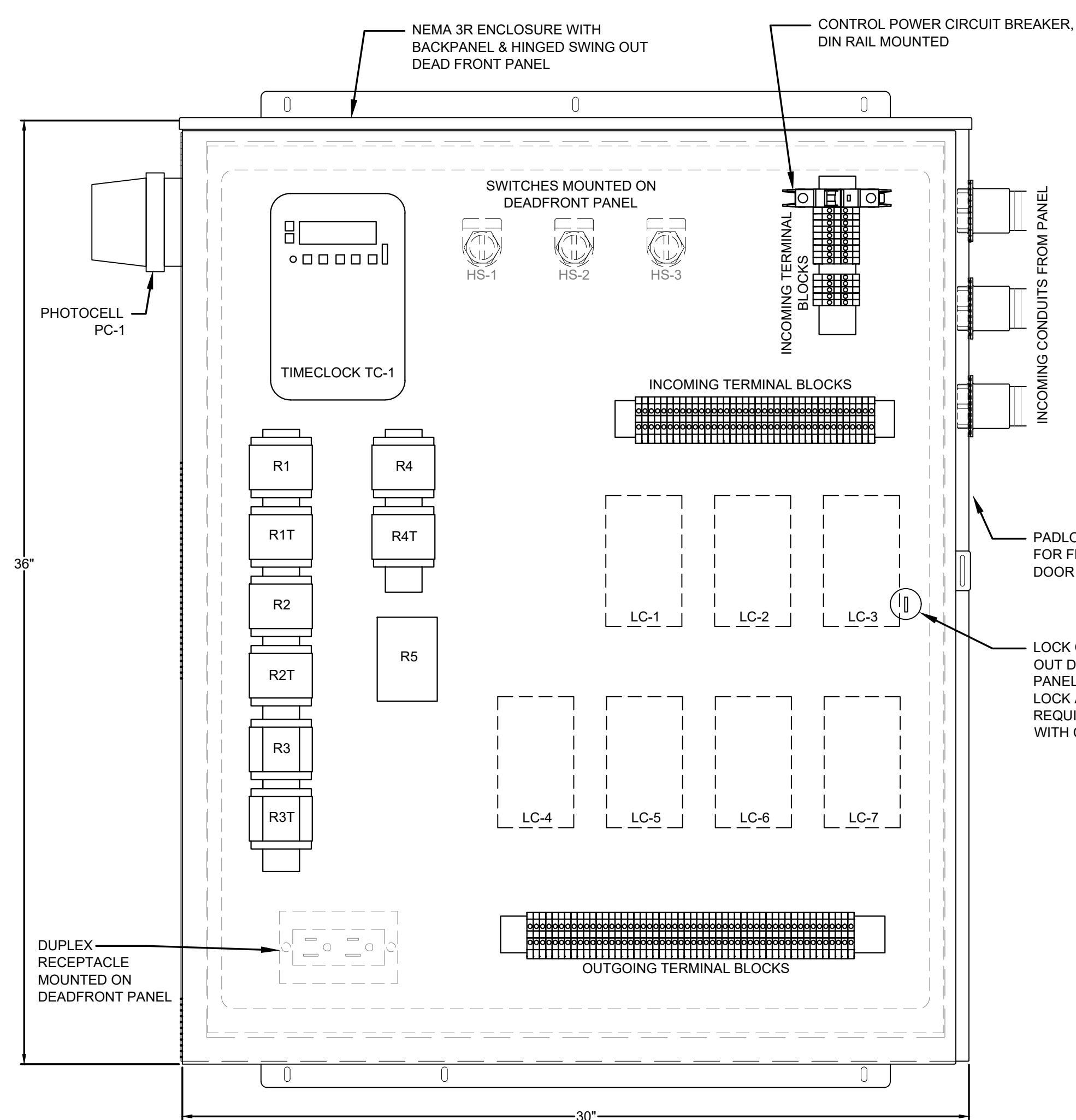
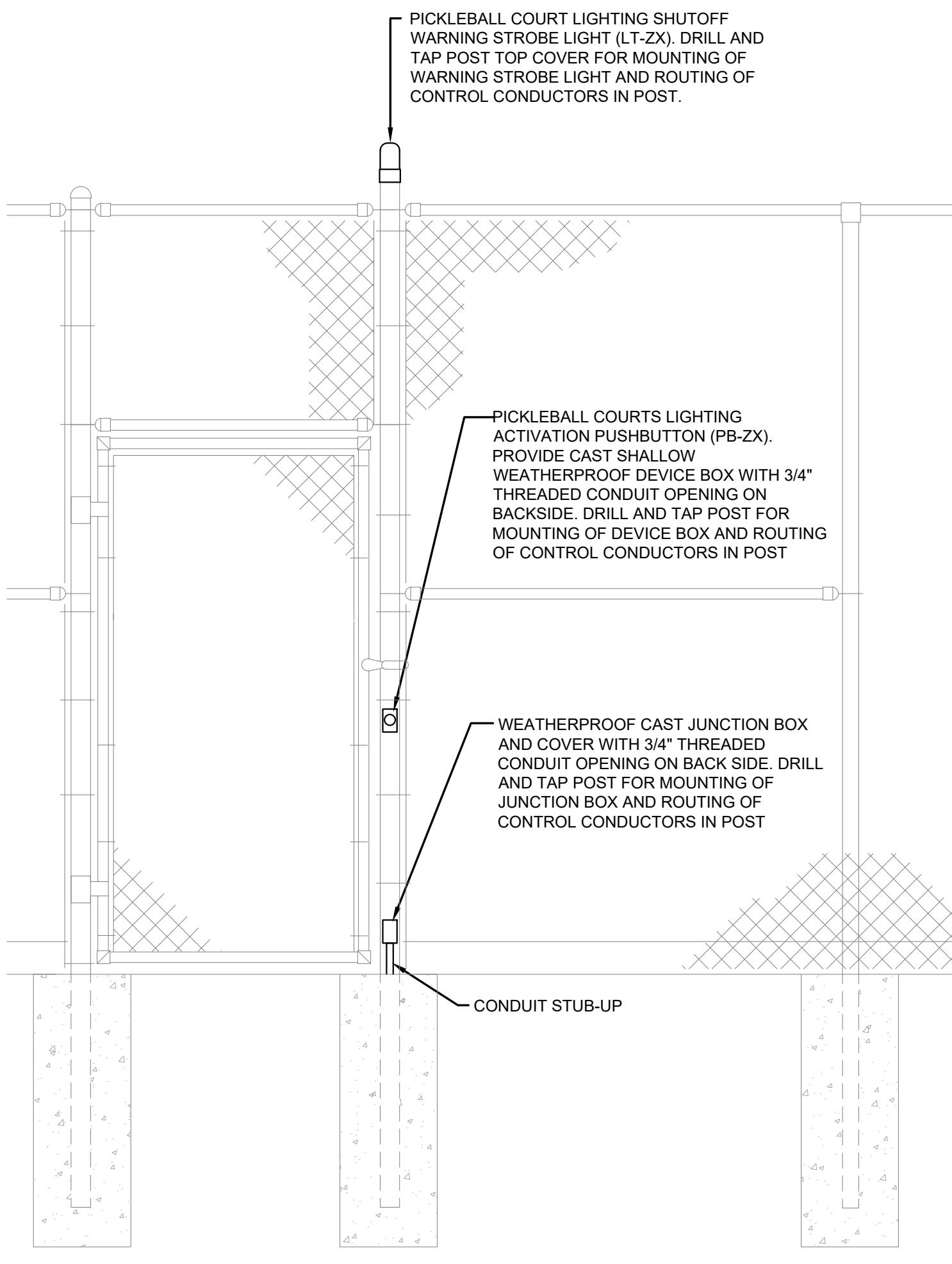
3
E3.2



4
E3.2

TYPICAL LIGHTING CONTROL STATION DETAILS

2
E3.2



LIGHTING CONTROL CABINET LC-1

1
E3.2

SCALE : N.T.S.

RECORD DRAWINGS			
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PROJECT ENGINEER	DATE	DATE	
SHEET NO.:	E3.2		
DRAWING:	8	OF	13



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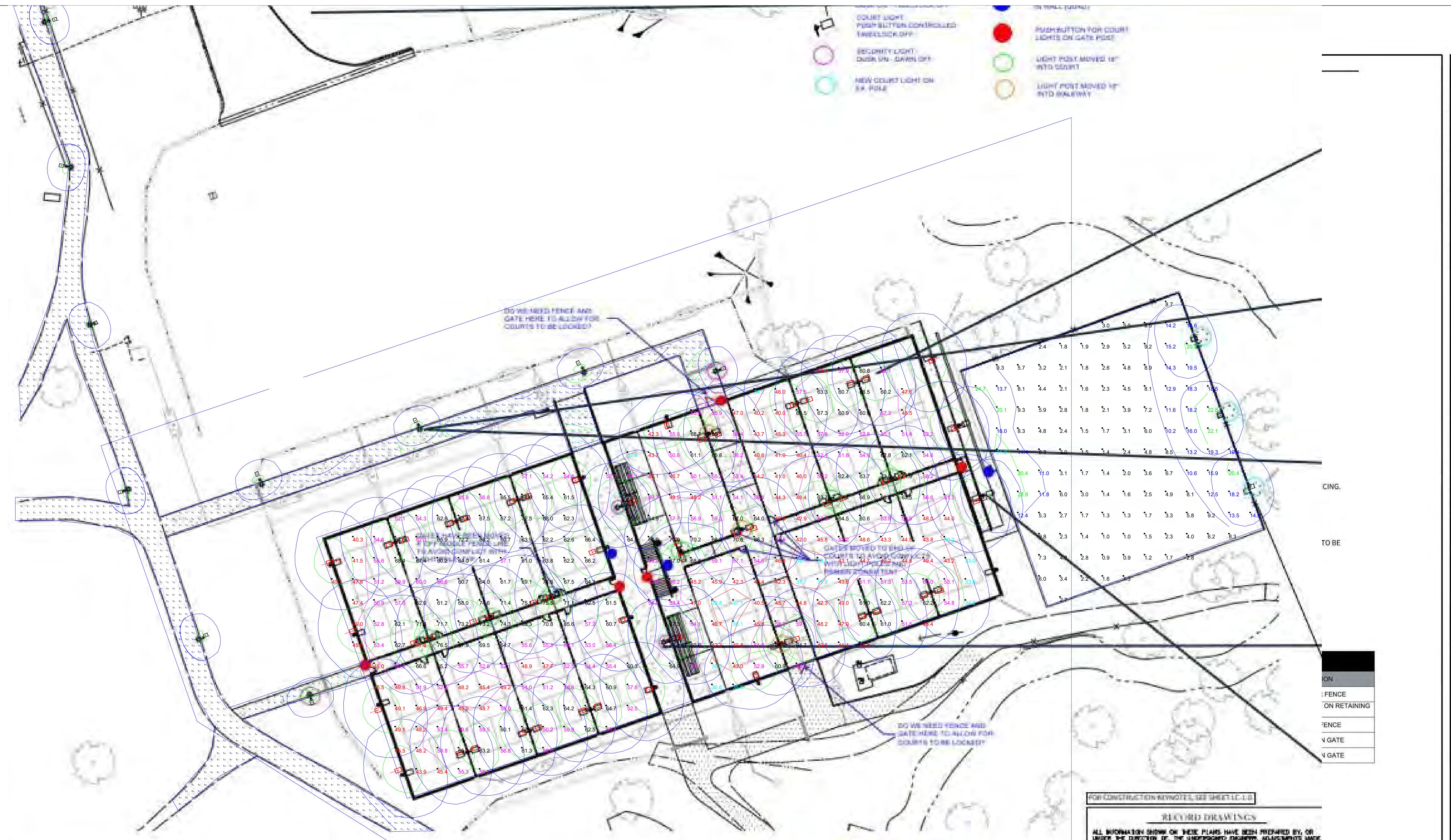
DESIGNED DRAWN	NO.:	REVISION	BY
CHECKED			DATE
APPROVED			
INITIALS			
PROJECT NAME SUNSET WHITNEY RECREATION AREA			
DRAWING NAME LIGHTING DETAILS			
DRAFTING NAME ROCKLIN			
CITY OF PLACER CALIFORNIA			
DRAWING NUMBER 1			
DATE 01.07.2026			
CITY PROJECT NO.:			
SHEET NO.:			
DRAWING: 8 OF 13			

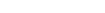
REGISTERED PROFESSIONAL ENGINEER
No. E 23927
3-31-2026
STATE OF CALIFORNIA
Date Signed: **10/10/2026**

<div style="border: 1px solid black; padding: 10px;"> <p>STATE OF CALIFORNIA Outdoor Lighting</p> <p>CERTIFICATE OF COMPLIANCE NRCC-LTO-E Project Name: SWRA Pickleball Report Page: (Page 5 of 8) Date Prepared: 12/15/2025</p> <p>H. OUTDOOR LIGHTING CONTROLS</p> <p>This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.</p> <p>Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit.</p> <p>Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>01</th><th>02</th><th>03</th><th>04</th><th>05</th></tr> </thead> <tbody> <tr> <td>Area Description</td><td>Shut-Off 130.2(c)1 / 160.5(c)</td><td>Auto-Schedule 130.2(c)2 / 160.5(c)</td><td>Motion Sensor 130.2(c)3 / 160.5(c)</td><td>Field Inspector</td></tr> <tr> <td></td><td></td><td></td><td></td><td>Pass Fail</td></tr> <tr> <td>Pedestrian Lighting</td><td>Astronomical Timer</td><td>Provided</td><td>Provided</td><td><input type="checkbox"/> <input type="checkbox"/></td></tr> <tr> <td>Security Lighting</td><td>Astronomical Timer</td><td>Provided</td><td>Provided</td><td><input type="checkbox"/> <input type="checkbox"/></td></tr> </tbody> </table> <p>¹FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed. ²Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source. ³Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.</p> </div>	01	02	03	04	05	Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector					Pass Fail	Pedestrian Lighting	Astronomical Timer	Provided	Provided	<input type="checkbox"/> <input type="checkbox"/>	Security Lighting	Astronomical Timer	Provided	Provided	<input type="checkbox"/> <input type="checkbox"/>	<div style="border: 1px solid black; padding: 10px;"> <p>STATE OF CALIFORNIA Outdoor Lighting</p> <p>CERTIFICATE OF COMPLIANCE NRCC-LTO-E Project Name: SWRA Pickleball Report Page: (Page 6 of 8) Date Prepared: 12/15/2025</p> <p>I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))</p> <p>This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-while "Use it or lose it" Allowances are per Table 140.7-B/Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.</p> <p>Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.</p> <p>Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>02</th><th>03</th><th>04</th><th>05</th><th>06</th><th>07</th><th>08</th><th>09</th></tr> </thead> <tbody> <tr> <td rowspan="2">Area Description</td><td colspan="7">Area Wattage Allowance (AWA)</td></tr> <tr> <td>Illuminated Area (ft²)</td><td>Allowed Density (W/ft²)</td><td>Area Allowance (Watts)</td><td>Perimeter Length (lf)</td><td>Allowed Density (W/lf)</td><td>Linear Allowance (Watts)</td><td>Total General AWA + LWA (Watts)</td></tr> <tr> <td>SWRA Pickleball</td><td>137127</td><td>0.019</td><td>2605.4</td><td>2057</td><td>0.2</td><td>308.6</td><td>2914</td></tr> </tbody> </table> <p>Initial Wattage Allowance for Entire Site (Watts): 200 Instances of Initial Wattage Allowance (L2 0 only)¹: Total General Hardscape Allowance (Watts): 3114</p> </div>	02	03	04	05	06	07	08	09	Area Description	Area Wattage Allowance (AWA)							Illuminated Area (ft ²)	Allowed Density (W/ft ²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	Total General AWA + LWA (Watts)	SWRA Pickleball	137127	0.019	2605.4	2057	0.2	308.6	2914	<div style="border: 1px solid black; padding: 10px;"> <p>DESIGNED NO. REVISION BY DATE</p> <p>DRAWN DRAWN CHECKED APPROVED</p> <p>INITIALS</p> <p>PROJECT NAME: SUNSET WHITNEY RECREATION AREA</p> <p>TITLE 24 LTO FORMS</p> <p>DRAWING NAME: PICKLEBALL COURTS</p> <p>CALIFORNIA</p> <p>ROCKLIN COUNTY OF PLACER</p> <p>REGISTERED PROFESSIONAL ENGINEER No. E 23927 3-31-2025 STATE OF CALIFORNIA</p> <p>Date Signed: 10/10/2025</p> </div>
01	02	03	04	05																																																						
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<p>Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Compliance ID: EnergyPro-30211-1225-3263 Report Generated: 2025-12-15 08:38:37</p> <p>Generated Date/Time: Documentation Software: EnergyPro CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Compliance ID: EnergyPro-30211-1225-3263 Report Generated: 2025-12-15 08:38:37</p>																																																										
<div style="border: 1px solid black; padding: 10px;"> <p>STATE OF CALIFORNIA Outdoor Lighting</p> <p>CERTIFICATE OF COMPLIANCE NRCC-LTO-E Project Name: SWRA Pickleball Report Page: (Page 7 of 8) Date Prepared: 12/15/2025</p> <p>M. LIGHTING ALLOWANCE: PER SPECIFIC AREA</p> <p>This section does not apply to this project.</p> <p>N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)</p> <p>This section does not apply to this project.</p> <p>O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION</p> <p>Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks: These documents must be provided to the building inspector during construction and can be found online</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Form/Title</td><td>Systems/Spaces To Be Field Verified</td></tr> <tr> <td colspan="2">NRCI-LTO-E - Must be submitted for all buildings</td></tr> </table> <p>P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE</p> <p>Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks: These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Form/Title</td><td>Systems/Spaces To Be Field Verified</td></tr> <tr> <td colspan="2">NRCA-LTO-2-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.</td></tr> <tr> <td colspan="2">Pedestrian Lighting; Security Lighting</td></tr> </table> </div>			Form/Title	Systems/Spaces To Be Field Verified	NRCI-LTO-E - Must be submitted for all buildings		Form/Title	Systems/Spaces To Be Field Verified	NRCA-LTO-2-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.		Pedestrian Lighting; Security Lighting																																															
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PROJECT NAME		DRAWING NAME		ELECTRICAL SPECIFICATIONS					
				DESIGNED	DRAWN	CHECKED	APPROVED		
SUNSET WHITNEY RECREATION AREA PICKLEBALL COURTS						CALIFORNIA			
ROCKLIN		COUNTY OF PLACER		<p>RECORD DRAWINGS</p> <p>ALL INFORMATION SHOWN ON THESE PLANS HAVE BEEN PREPARED BY, OR UNDER THE DIRECTION OF, THE UNDERSIGNED ENGINEER. ADJUSTMENTS MADE IN THE FIELD DURING CONSTRUCTION ARE INCLUDED HEREIN WHEN THE PROJECT ENGINEER IS ADVISED IN WRITING OF SUCH CHANGE BY THE OWNER, DEVELOPER, CONTRACTOR, OR THE CITY OF ROCKLIN.</p> <p>ROCKLIN, CALIFORNIA</p> <p>DATE: AS SHOWN DATE: 01.07.2026 CITY PROJECT NO.: SHEET NO.: E5.1 DRAWING: 11 OF 13</p>					
CITY OF ROCKLIN		COMMUNITY DEVELOPMENT							
DEPARTMENT		ELECTRICAL							
PART 1 - GENERAL SITE ELECTRICAL									
<p>1.1 WORK INCLUDED:</p> <p>A. This specification shall apply to all phases of work hereinafter specified, shown on drawings, or as required to provide a complete installation of electrical systems for this project. Work required under this specification is not limited to just the Electrical drawings. Refer to Architectural, Structural, and Civil drawings as well as all other drawings applicable to this project, which designate the scope of work to be accomplished. The intent of the Drawings and Specifications is to provide a complete and operable electrical system that includes all documents that are a part of the Contract.</p> <p>1. Work Included: Furnish labor, materials, services, and skilled supervision necessary for the construction, erection, installation, connections, testing, and adjustment of all circuits and electrical equipment specified herein, or shown or noted on Drawings, and its delivery to the Owner complete in all respects ready for use.</p> <p>2. The electrical Work includes installation or connection of certain materials and equipment furnished by others. Verify installation details, installation, and rough-in locations from the actual equipment or from the equipment shop drawings.</p> <p>B. Electrical Drawings: Electrical Drawings are diagrammatic, and are intended to convey the scope of work, indicating intended general arrangement of equipment, conduit, and outlets. Follow Drawings in laying out Work and verify spaces for installation of materials and equipment based on actual dimensions of equipment furnished.</p>		<p>1.6 IDENTIFICATION</p> <p>A. Install nameplates on electrical equipment including:</p> <ul style="list-style-type: none"> 1. Circuit breakers, disconnect switches and starters whether provided under this division or some other. 2. Panelboards and transformers. 3. Terminal cabinets and lighting control panels. 4. Light switches which the control functions are not evident. 5. Where it is not obvious which piece of equipment is powered from a particular disconnect switch, provide nameplates for both disconnect switch and the powered equipment. <p>B. Describe item, control function, or sequence of operation on each nameplate.</p> <p>C. Fabricate nameplates of laminated phenolic plastic, black front and back with white core for normal power equipment and signal. Provide red front and back with white core for emergency power equipment and fire alarm. Bevel edges. Engrave through outer layer to produce very letters and numbers. For control panels, emergency power panels, and fire alarm panels, are required. Fabricate nameplates for equipment up to 4 Phillips head, 1/4-inch letters, self-tapping screws. Use 1/8-inch letters, 1/8-inch break, switches, and other control devices, and 1/4-inch letters on panelboards, switchboards, and other major electrical equipment. Submit label designations as part of corresponding equipment submittal.</p> <p>D. Equipment identification is to indicate the following:</p> <ul style="list-style-type: none"> 1. Equipment ID abbreviation. 2. Voltage, Phase and Wires. 3. Normal, Emergency (Indicate branch) or other system. 4. Power source. 				<p>1.7 FINAL INSPECTION AND ACCEPTANCE</p> <p>A. After all requirements of the Specifications and/or the Drawings have been fully completed, representatives of the Owner will inspect the work. Contractor shall provide competent personnel to demonstrate the operation of any item or system to the full satisfaction of each representative.</p> <p>B. Final acceptance of the work will be made by the Owner after receipt of approval and recommendation of acceptance from each representative.</p>		<p>1.8 RECORD DRAWINGS</p> <p>A. Drawings of Record: The Contractor shall provide, and keep up to date, a complete record set of drawings. These shall be corrected daily and shall be submitted to the original Drawings. The record set shall be kept in a safe place and for use only by the record set. This shall not be construed as authorizing the Contractor to make changes in the layout without definite instruction in record case. Upon completion of the work, a set of reproducible Contract Drawings shall be obtained from the General Contractor and all changes as noted on the record set of prints shall be incorporated thereon with black ink in a neat, legible, understandable, and professional manner. Refer to the Supplementary General Conditions for complete requirements.</p> <p>B. Perform Work in accordance with the California Electrical Code, applicable building ordinances, and other applicable codes, hereinafter referred to as the "Code." The Contractor shall comply with the Code including local amendments and interpretations without added cost to the Owner. Where Contract Documents exceed minimum requirements, the Contract Documents take precedence. Where code conflicts occur, the most stringent shall apply unless variance is approved.</p> <p>C. Contractors shall provide all permits, licenses, fees, and costs. The Contractor, or Contractor's expenses, shall obtain all permits, licenses, fees, special service costs, inspections and arrangements required for Work under this contract, unless otherwise specified.</p> <p>D. Comply with requirements of the applicable utility companies serving this Project. Make all arrangements with utility companies for proper coordination of Work.</p>	
<p>1.9 GENERAL REQUIREMENTS</p> <p>A. Guarantee: Furnish a written guarantee for a period of one-year from date of acceptance.</p> <p>B. Wherever a discrepancy in quantity or size of conduit, wire, equipment, devices, circuit breakers, etc., (all materials), arises on the Drawings and/or in the Specifications, the Contractor shall be responsible for providing and installing all material and services required by the strictest condition noted on Drawings and/or in the Specifications to ensure complete and operable systems as required by the Owner and Engineer.</p> <p>C. All Core Cutting, Drilling, and Patching:</p> <ul style="list-style-type: none"> 1. For the installation of work under this Section, the aforementioned shall be performed under this Section of the Specifications and the Contractor shall be responsible. 2. Holes will be allowed in any structural members without the written approval of the Project's Structural Engineer. 3. For penetrations of concrete slabs or concrete footings, the work shall be as directed in the Concrete Section of Specifications. 4. The Contractor shall be responsible for patching and repairing surfaces where he is required to penetrate for work under this contract. 5. Penetrations shall be sealed to meet the rated integrity of the surface required to be patched and repaired. The patched surface shall be pointed or finished to match the existing surface. <p>D. Verifying Drawings and Job Conditions:</p> <ul style="list-style-type: none"> 1. The Contractor shall examine all Drawings and Specifications in a manner to be fully cognizant of all work required under this Section. 2. The Contractor shall visit the site and verify existing conditions. Where existing conditions differ from Drawings, adjustment(s) shall be made and allowances included for all necessary equipment to complete all parts of the Drawings and Specifications. <p>E. Shop Drawings/ Submittals:</p> <ul style="list-style-type: none"> 1. Shop Drawings/Submittals, unless required otherwise by general project specifications or instructions to bidders, shall be submitted in electronic format (PDF) to include a Letter of Transmittal (LOT), which shall give all of the drawings submitted with dates and/or system(s) components contained within the submittal. Drawings and material cut sheets shall be complete in every respect and edited/marked to indicate specific changes being provided. Printed/Hard copies are not acceptable. 2. The shop drawings/Submittals shall be marked with the name of the project, numbered consecutively, and bear the approval of the Contractor as evidence that the Contractor has checked the drawings. Any drawings submitted without this approval will be returned to the Contractor for resubmittal. 3. If the shop drawings show variations from the requirements of the Contract because of standard shop practice or other reasons, the Contractor shall make specific mention of such variation in the Contractor's letter of transmittal. If the substitution is accepted, the contractor shall provide a letter of transmittal indicating the substitution. Samples shall be submitted when requested. 4. Only products listed as "Equal" within the contract documents, along with formally approved "Substitutions" will be reviewed. Products not conforming to these items will be reviewed and will be returned to the Contractor for re-submittal. 5. Shop drawings shall be submitted on the following, but not limited to: <ul style="list-style-type: none"> a. Lighting fixtures, lamps and ballasts. b. Switchgear, switchboards, distribution boards, motor control centers, panelboards, and bus ducts; complete with overcurrent device information. c. Transformers. d. Fire Alarm System/Central Monitoring System. e. Wire and Data. f. Lighting control products/dimming system products. g. Pull boxes and underground vaults. h. Terminal cabinets. i. Lighting inverters, UPSs, RDCs, PDUs, generators, transfer switches, SPD systems. j. Cable tray, flexible cable tray and cable runway. k. Power panels and floor boxes. l. Arc flash, short-circuit, and coordination studies. m. All other products called out on drawings that call for shop drawing submittal. <p>F. 1.4 WORK IN COOPERATION WITH OTHER TRADES</p> <ul style="list-style-type: none"> A. Examine the Drawings and Specifications and determine the work to be performed by the electrical, mechanical, and other trades. Provide the type and quantity of electrical materials and equipment necessary to place this work in proper operation, completely wired, tested and ready for use. This shall include all conduit, wire, disconnects, relays, and other devices for the required operation sequence of all electrical, mechanical, and other systems. B. Provide a conduit-only system for low voltage wiring required for control of mechanical and plumbing equipment described in this or other parts of the Contract Documents. Install all control housing, conduit, and backboxes required for installing conduit to the control. C. Install separate conduits between each heating, ventilating and air conditioning sensing device and its control panel and/or control motor. Before installing any conduit for heating, ventilating, and air conditioning control wiring, verify the exact requirements from the control diagrams provided with the equipment manufacturer's shop drawings. <p>G. 1.5 TESTING AND ADJUSTMENT</p> <ul style="list-style-type: none"> A. Upon completion of all electrical work, the Contractor shall test all circuits, switches, light fixtures, lighting control and dimming systems including distributed systems, UPSs, generators, SPDs, lighting inverters, transfer switches, motors, circuit breakers, motor starters(s) and their auxiliary circuits and any other electrical items to ensure perfect operation of all electrical equipment. B. Equipment and parts in need of correction, and discovered during such testing, shall be immediately repaired or replaced with all new equipment and part of the system shall then be retested. All such replacement or repair shall be done at no additional cost to the Owner. C. All circuit(s) shall be tested for continuity and circuit integrity. Adjustments shall be made for circuits not complying with testing criteria. D. All test reports, including copies of any required Energy Code Acceptance Forms (e.g. CA Title 24 Acceptance For Code Compliance Forms) should be submitted to the Engineer at completion of project. <p>E. Component Tests:</p> <ul style="list-style-type: none"> 1. Grounding systems, for resistance to earth. Provide additional grounding electrodes, if separately derived system ground resistance exceeds 25 ohms. 2. Prior to energizing equipment, check the insulation resistance of feeders sized larger than #2 AWG with a 1000 volt DC "Megger". Minimum insulation resistance value shall not be less than 50 mega ohms. <p>F. Functional tests:</p> <ul style="list-style-type: none"> 1. Pull for all lists requested by the equipment manufacturer. 2. Verify that everything installed as part of the scope of work functions properly. Verify that any work performed did not adversely affect existing systems or equipment (e.g., that after removing a device from a branch circuit that the remaining existing branch circuit continuity was maintained). 		<p>1.10 INTERRUPTION OF SERVICES/SERVICE SHUTDOWN</p> <p>A. Any interruption of electrical services, electrical circuits, electrical feeders, signal systems, communication systems, fire alarm systems, etc., required to perform work shall meet the specific prior-approval requirements of the Owner. Such work shall be scheduled with the Owner to the greatest convenience of the Owner.</p> <p>B. Interruptions/outages of any of the Owner's systems and services mentioned above shall be scheduled to occur during other than the Owner's normal business hours. Any overtime costs shall be borne by the Contractor.</p> <p>C. See drawings for any additional requirements regarding outages, interruption and any temporary services required.</p>							
<p>1.11 PRODUCTS</p> <p>A. Materials and Equipment: All electrical materials and equipment, including custom-made equipment, shall be new and shall be listed by Underwriters Laboratories (UL) and bear their label or be listed and certified by a Nationally Recognized Testing Lab (NRTL) that is also recognized by the local Authority-Having-Jurisdiction (AHJ).</p>		<p>1.12 MATERIALS</p> <p>A. Materials and Equipment: All electrical materials and equipment, including custom-made equipment, shall be new and shall be listed by Underwriters Laboratories (UL) and bear their label or be listed and certified by a Nationally Recognized Testing Lab (NRTL) that is also recognized by the local Authority-Having-Jurisdiction (AHJ).</p>							
<p>1.13 CONDUCEYS</p> <p>A. Galvanized Rigid Conduit (GRC) shall be full weight threaded type steel. Steel conduit shall be protected by overall zinc coating to inside and outside surfaces, applied by the hot dip, metallizing, or sherardizing process.</p> <p>B. Intermediate Metal Conduit (IMC) shall be hot-dipped galvanized in accordance with UL 1242, and meet Federal Specification WWC-581 (latest revision).</p> <p>C. Electrical Metallic Tubing (EMT) shall be zinc-coated steel with baked enamel or plastic finish on inside surfaces except as noted below. EMT shall be dipped in a chronic acid bath to chemically form a corrosion-resistant protective coating of zinc chromate over galvanized surface.</p> <p>D. Flexible metal conduit shall be constructed of aluminum or hot-dipped galvanized steel strips wound spirally with interlocking edges to provide greater flexibility with maximum strength. Interior surfaces shall be smooth and offer minimum drag to pulling in conductors. Used only as directed by the Engineer.</p> <p>E. Liquid-tight conduit (Sole-Te) shall be galvanized steel flexible conduit as above except with moisture and oil-proof jacket, pre-cut lengths and factory-installed fittings. For outdoor installations and motor connections only unless otherwise noted on drawings.</p> <p>F. Non-metallic Conduit: <ul style="list-style-type: none"> 1. PVC rigid conduit, Schedule 40, Type II for underground installation only with solvent welded joints, conforming to UL 1000. 2. PVC flexible, listed for exposed and direct burial application. 3. High-density polyethylene (HDPE) conduit, comply with UL 651A, Schedule 80 under parking and maintenance paths where vehicles may impose loads, Schedule 40 in other areas. <p>G. Conduit and fittings shall be produced by the same manufacturer.</p> </p>		<p>1.14 FITTINGS</p> <p>A. Conduit type fittings shall be smooth inside and out, taper threaded with integral insulating bushing and of the shapes, sizes and types required to facilitate installation or removal of wires and cables from the conduit and tubing system. These fittings shall be of metal, smooth inside and out, thoroughly galvanized, and sherardized carbon plated.</p> <p>B. Metallic conduit covers shall have the same finish as the fitting and shall be provided for the opening of each fitting where conductors do not pass through the cover.</p> <p>C. Connector, coupling, locknut, bushings, and caps used with rigid conduit shall be steel, threaded and thoroughly galvanized. Bushings shall be used.</p> <p>D. Unless otherwise noted, all interior EMT fittings, connectors and couplings installed in exposed or concealed locations that are considered by the AHJ to be wet or damp locations, shall be raintight-listed, steel, zinc or aluminum plated, threadless, compression, steel locking ring type with insulated throat. If raintight-listed, EMT fittings, connectors and couplings are unavailable for a given trade size or if conduit is installed in an area subject to damage - provide rigid metallic or intermediate metallic conduits, fittings, connectors, and couplings as required.</p> <p>E. Flexible steel conduit connectors shall be a malleable iron clamp or squeeze type or steel twist-in type with insulated throat. The finish shall be zinc or aluminum plating.</p>							
<p>1.15 OUTLET, PULL AND JUNCTION BOXES</p> <p>A. Construction: Deep drawn or fabricated interlocked flat pieces with welded tabs, electrogalvanized sheet steel with electrogalvanized hardware. Do not use sectional or gangable boxes.</p> <p>B. Size: Accommodate the required number and sizes of conduits, wires, splices, and devices, but not smaller than the size indicated or specified.</p> <p>C. Plaster ring: Provide flush with wall or ceiling finish, except where otherwise indicated or specified.</p> <p>D. Device boxes: For single switches and receptacles, provide boxes not less than 4 inches square by 1-1/2 inches deep. For 2 devices, provide boxes not less than 4-1/16 inches square by 1-1/2 inches deep.</p> <p>E. Telecommunications boxes: No less than 4-11/16 inches square by 2-1/8 inches deep.</p>		<p>1.16 WIRING ACCESSORIES</p> <p>A. Identify conductors with self-adhesive vinyl cloth markers, sized to fit the conductor insulation, with machine printed black marking, W.H. Brady, Thomas and Betts, or equal.</p> <p>B. Wire ties: <ul style="list-style-type: none"> 1. Nylon, adjustable, and self-locking. </p>							
<p>1.17 LIGHTING FIXTURES</p> <p>A. General: Provide fixtures as indicated, factory wired, ready for field connection.</p> <p>B. Provide recessed fixtures with complete mounting hardware and trim to suit the type of ceiling in which they are installed. Provide access to lamps and ballasts in recessed fixtures through the lensed door or fixture opening, without requiring removal of fixture.</p> <p>C. Eupile pendant mounted fixtures with stems, ball aligners, canopies, swivel hangers, safety cable and all mounting hardware required to conform to state of California seismic safety standards.</p> <p>D. Eupile chain suspended fixtures with chain hangers, safety cable and all mounting hardware required to conform to state of California seismic safety standards.</p> <p>E. For surface mounted fixtures provide all blocking, mounting channels required and hardware for mounting.</p> <p>F. Provide fixtures UL approved for installation against low density ceilings where applicable. Do not use spacers.</p>									
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<p>PROJECT NAME SUNSET WHITNEY RECREATION AREA DRAWING NAME ELECTRICAL SPECIFICATIONS ROCKLIN COUNTY OF PLACER CALIFORNIA</p>	<p>CITY OF ROCKLIN COMMUNITY DEVELOPMENT DEPARTMENT</p> <p><i>REGISTERED PROFESSIONAL ENGINEER</i> <i>STATE OF CALIFORNIA</i> <i>NO. E 23927</i> <i>3-31-2026</i> <i>Date Signed: 10/10/2026</i></p> <p>RECORD DRAWINGS</p> <p>ALL INFORMATION SHOWN ON THESE PLANS HAVE BEEN PREPARED BY, OR UNDER THE DIRECTION OF THE UNDERSIGNED ENGINEER. ADJUSTMENTS MADE IN THE FIELD DURING CONSTRUCTION ARE INCLUDED HEREIN WHEN THE PROJECT ENGINEER IS ADVISED IN WRITING OF SUCH CHANGE BY THE OWNER, DEVELOPER, CONTRACTOR, OR THE CITY OF ROCKLIN.</p> <p>SCALE: AS SHOWN DATE: 01.07.2026 CITY PROJECT NO.: SHEET NO.: E5.2 DRAWING: 12 OF 13</p> <p>811 Know what's below. Call before you dig.</p> <p>2.18 LED LUMINAIRES</p> <p>A. Components: UL 8750 recognized or listed as applicable. B. Tested in accordance with IES LM-79 and IES LM-80. C. LED estimated useful life: Minimum of 50,000 hours at 70 percent lumen maintenance, calculated based on IES LM-80 test data. D. 75 CRI minimum outdoor lighting, 90 CRI minimum indoor. E. Kelvin temperature as specified.</p> <p>2.19 LIGHTING CONTROL DEVICES</p> <p>A. Provide lighting control devices (e.g., automatic time switch control device, motion sensor, occupant-sensor, photosensor, automatic daylighting control device) that meet the state of California, Title 24, State Building Standards, Part 6, California Energy Code, current edition, and that have been certified to the commission. B. Provide dimmers that are compatible with the provided LED drivers.</p> <p>2.20 TERMINAL CABINETS</p> <p>A. General: Provide terminal cabinets flush or surface mounted as indicated on plans. B. Construction: 1. Cabinets: Code gauge steel cabinets, dead front panels and doors. Fasten dead front panels to cabinets with concealed trim fasteners and concealed front door hinges. Provide 1/2 inch plywood backboard, painted white, covering entire back of cabinet. Provide all signal system terminal cabinets with steel back panel. 2. Locks: Flush door locks keyed to match panelboards. 3. Dimensions: As indicated on drawings. Mounting height same as panelboards. C. Finish: Degrease, clean, phosphatize prime and finish cabinets, dead front panels and doors with baked enamel, color ASA 61 or standard factory gray. Galvanized cabinets are acceptable for flush cabinets. D. Nameplates: 1. Provide nameplate identifying terminal cabinet in accordance with identification section of this specification. 2. Provide a manufacturer's nameplate on the dead front interior panel. 3. Identify with printed labels the function of the corresponding wires. E. Wire markers: Provide permanent fixed identification numbers of the printed wire marker type beside each terminal on the backboard. All wires shall have corresponding wire markers.</p> <p>2.21 SWITCHBOARDS</p> <p>A. Construction: 1. Enclosure: Rigid, dead front, metal enclosed, free standing, bussed structures, bolted together. Provide removable, 12 gauge sheet steel, minimum, screw-on access plates at front, top and rear. 2. Quality control: Provide each vertical section which is composed of UL listed devices with a UL label. Provide switchboard which conforms to applicable NEMA standards. Test switchboard at factory before delivery.</p> <p>B. Bussing: 1. Phase bus: Full-size, silver-plated copper, rated 1,000 amperes per square inch cross sectional area maximum, braided for 50,000 rms current rating. 2. Neutral bus: Full-size, aluminum, copper, with lugs for connection of neutral conductors. 3. Ground bus: Half-size, copper, with lugs for connection of ground conductors. 4. Spacing: Maintain code separation between phases and between phase and ground.</p> <p>C. Shipping: 1. Provide lifting eyes for handling switchboard. 2. Provide shipping spurs, if required and main bus-splice plates for reconnection at job site.</p> <p>D. Finish: Degrease, clean, phosphatize, prime, and finish all interior, and exterior surfaces with baked enamel, color American National Standards Institute (ANSI) 61, or standard factory gray.</p> <p>E. Nameplates: Provide nameplates for all circuit breakers and manufacturers' nameplate indicating voltage and current rating, switchboard type and shop order number.</p> <p>F. Padding devices: Provide for all breakers and switches.</p> <p>G. Circuit breakers: Provide circuit breakers in frame sizes 100 through 600 amperes, via thermal-magnetic trip units. Provide circuit breakers in frame sizes 1200 through 2000 amperes with electronic trip units that are insensitive to changes in ambient temperature within the circuit breaker's normal operating temperature range. Provide facility in 400 through 800 ampere frame circuit breakers for either thermal-magnetic or electronic interchangeable trip units. Provide circuit breakers with toggle-type handles which are trip-free and trip-indicating. All poles of multi-pole device shall operate simultaneously during open, close, and trip operations.</p> <p>H. Short circuit current rating: Provide switchboard with listed short circuit current rating not less than the available fault current at the installed location as indicated by the serving utility company.</p> <p>I. Acceptable manufacturer: Square D, General Electric, Eaton, Westinghouse.</p> <p>2.22 PEDESTAL TYPE DISTRIBUTION AND CONTROL CABINETS</p> <p>A. Construction: 1. Enclosure: Fabricate pedestals from sheet steel, twelve (12) gauge exterior, fourteen (14) gauge interior. Weld the entire enclosure together, with all welds ground smooth. Conform to NEMA 3R and NEMA 12 standards. Provide dust-tight doors, with neoprene gasketing. 2. Provide exterior door with lensed window for utility meter viewing, a three-point latching assembly with a heavy-duty pad-lockable handle. Provide dead front, free standing assemblies, for mounting on an anchor base. Hinge exterior door and dead front interior pedestal with a continuous hinge type, stainless steel hinge, with a minimum three-thirty-seconds (3/32) inch pin. Provide no screws, rivets, or bolts visible outside the enclosure. All screws, bolts, nuts, and washers shall be stainless steel. 3. Incoming line: Bottom, with lugs for termination of electric service conductors. 4. Neutral: Provide a neutral bus bar for utility meter. 5. Finish: Degrease, clean, phosphatize, prime, and finish all interior and exterior surfaces with an electrically applied baked enamel, white interior, ranch green exterior. 6. Wiring: Fabricate all interior wiring to terminal blocks. Provide terminals for field connections. Harness wiring with cable ties and few wires of terminals to facilitate identification. Terminate conductors from the interior dead-front hinged pedestal to terminal blocks in the pedestal interior, harnesses, and reinforced from stem to permit a minimum of 90 degree door swing. Provide #14 AWG type MTW interior control wiring. 7. Nameplates: a. Provide an engraved laminated nameplate identifying pedestal and all breakers. b. Provide a manufacturer's nameplate on the dead front interior pedestal indicating pedestal type, voltage rating, current rating, and manufacturer's name. B. Bussing: 1. Phase bus: Copper cable bus type sized in accordance with the National Electric Code or tin plated copper, with a maximum current density of 200 RMS amperes, minimum 100 RMS amperes. 2. Neutral bus: Full size, copper with lugs for connection of neutral conductors. 3. Ground bus: Half size, copper, with lugs for connection of ground conductors. 4. Spacing: Maintain code separation between phases and between phase and ground. 5. Directories: Provide a directory card which fits into slots in the back of pedestal door. Protect directory with non-yellowing clear plastic.</p> <p>C. Circuit breakers: 1. Provide circuit breakers for miscellaneous branch circuits with frame sizes and ratings as shown on the plans. 2. Balho, Hemmi magnetic, molded case, with inverse time current overload, and instantaneous magnetic trips, trip-free, and trip-indicating. All poles of multi-pole device shall operate simultaneously during open, close, and trip operations. Provide circuit breakers indicated with the following ratings:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Pedestal Type</th> <th>Circuit Breaker Frame</th> <th>Trip Rating (Amperes)</th> <th>Voltage (AC Rating)</th> <th>Symmetrical AC Interrupt Capacity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>100/1 Pole</td> <td>15-100</td> <td>120</td> <td>10,000 Min</td> </tr> <tr> <td></td> <td>100/2 and 3 Poles</td> <td>15-100</td> <td>240</td> <td>10,000 Min</td> </tr> <tr> <td></td> <td>150/2 and 3 Poles</td> <td>110-150</td> <td>240</td> <td>18,000 Min</td> </tr> <tr> <td></td> <td>225/3 Poles</td> <td>125-225</td> <td>240</td> <td>22,000 Min</td> </tr> </tbody> </table> <p>D. Mount motor circuit protectors and branch circuit breakers to standoffs on the pedestal backpan, with the handles protruding through the interior dead front pedestal.</p> <p>E. Factory test each pedestal assembly for continuity, shorts, grounds, and each function prior to shipment.</p> <p>2.23 TRANSFORMERS</p> <p>A. Description: Provide factory-assembled, dry type transformer for 60 Hz operation designed and manufactured in accordance with NEMA ST 20 and listed and labeled by Underwriters Laboratories Inc. suitable for the purpose specified and indicated.</p> <p>B. Transformers shall be designed for continuous operation at rated kVA, for 24 hours a day, yearly operation, with normal life expectancy as defined in American National Standards Institute (ANSI) C57.96.</p> <p>C. Core: High grade, non-aging silicon steel with high magnetic permeability and low hysteresis and eddy current losses. Keep magnetic flux densities substantially below saturation point (including at 10 percent primary overvoltage). Tightly clamp core laminations to prevent plate movement and maintain constant pressure throughout core length.</p> <p>D. Impregnate core and coil assembly with non-hydroscopic thermo-setting varnish to effectively seal out moisture and other contaminants.</p> <p>E. Ground core and coil assembly to enclosure by means of a visible flexible copper grounding strap.</p> <p>F. Isolate core and coil from enclosure using vibration-absorbing mounts.</p> <p>G. Nameplate: Include transformer connection data, ratings, wiring diagrams, and overload capacity based on rated winding temperature rise.</p> <p>H. Shipping: Provide lifting holes, accessible without removal of any of the enclosure components.</p> <p>I. Insulation: 1. Smaller than 30 kVA: 180 degrees C, UL insulation system with maximum 115 degrees C rise above 40 degrees C ambient temperature. 2. 30 kVA and larger: 220 degrees C, UL insulation system with maximum 150 degrees C rise above 40 degrees C ambient temperature.</p> <p>J. Base temperature rating and hot spot allowances in the above table on a 40 degrees C maximum ambient temperature and 30 degrees C average ambient temperature.</p> <p>K. Overload capacity: 10 percent above full load rating continuously in an ambient not exceeding 40 degrees C.</p> <p>L. Case temperature: maintain no more than a 35 degrees C rise above a 40 degrees C ambient.</p> <p>M. Taps: 1. 3 kVA and smaller: none. 2. 7.5 kVA and 24 kVA: One 5% tap above one 5% tap below normal capacity. 3. 25 kVA and larger: Two 2.5% taps above and two 2.5% taps below normal capacity.</p> <p>N. Provide conduit knockouts for line and load conduit entrance.</p> <p>O. Enclosure: 1. Units rated 30 kVA and below, the encapsulated enclosure construction shall be totally enclosed, non-ventilated, NEMA 3R, with lifting eyes. 2. Units rated 15 kVA and above, the enclosure construction shall be ventilated, NEMA 2, drip-proof, with lifting holes. All ventilation openings shall be protected against falling dirt. 3. Outdoor units rated 15 kVA or above, provide suitable weather-shields over ventilation openings.</p> <p>P. Finish: degrease, clean, phosphatize, prime, and finish all interior and exterior surfaces with baked enamel, color ANSI 61 or standard factory gray.</p> <p>Q. Connect a grounding strap from the secondary neutral to a grounding lug on the enclosure.</p> <p>R. Terminals: solderless lug type connectors, with hex-head or Allen type compression set screws with configuration to suit application T & B "Lockite", Burred, "GA", or type "XL" or "XLH" or equal.</p> <p>S. Manufacturers: Cutler-Hammer, General Electric, Square D.</p> <p>3.1 RACEWAY SYSTEMS</p> <p>A. Install all wiring in raceways. Install raceway systems, including conduits, hangers, hooks, and support channels parallel or perpendicular to structural members. Coordinate location of raceway systems with other divisions prior to commencing installation.</p> <p>B. Rigid steel conduit: suitable for use in all locations. For underground installations tape wrap conduit completely with tape suitable for underground installations, double lap of Cetco 10 mil or equal.</p> <p>C. Electrical metallic tubing: suitable for use in concealed dry locations, not in concrete, masonry, or underground, or suitable exposed, minimum 8 feet above finished floor. Use 14 inch conduit sleeves to penetrate technology equipment room floors projecting 6 inches above finished floor without a bend. Provide bushings at both end of conduit.</p> <p>D. Flexible metal conduit: suitable for connection of recessed lighting fixtures or other devices requiring flexible connections in dry locations. Flexible metal conduit may be fished into existing walls as allowed by the CEC. Length shall not exceed 6'-0".</p> <p>E. Liquid tight flexible metal conduit: suitable for connection of equipment in damp or wet locations.</p> <p>F. PVC conduit: suitable for use underground, with a minimum of 18 inches of cover. Fabricate field bends with an approved thermal bender and jig. For underground emergency systems enclose conduit in concrete, minimum of 2" all around. Maintain separation between conduits using plastic spacers specifically designed for the purpose.</p> <p>G. Clean and mandrel all under floor/ground raceways before wire is installed.</p> <p>H. Conduit supports: 1. Support all conduits at intervals not to exceed 10 feet. 2. Support individual conduits or conduit bungs and nest bush, if required for entrance into the equipment. 3. Support multiple conduits, 2 or more in parallel, with frame channel plates and nuts. 4. Support all electrical equipment with CEC section 14.12A and 14.14A. Family items - weight not to exceed 20 pounds to main cross support, 12 gauge support wires to the ceiling system hangers or structure shall be included for items from 20 to 56 pounds. Directly support items over 56 pounds from the structure above with approved hangers. 5. Fire stop penetrations of conduits, sleeves and cable trays in walls requiring protected openings. Provide fire stop material which is a tested assembly approved by the California state fire marshal. 6. Cut ends of framing channel installed outdoors or in wet locations shall be painted with zinc rich paint.</p> <p>I. Conduit bends: 1. Electrical conduits: provide no more than 10% degree conduit bends or the equivalent number of smaller radius bends in any conduit run between boxes or equipment. 2. Telecommunications: provide no more than 10% degree bends or the equivalent number of smaller radius bend in any conduit run between boxes or equipment, with radius 10 times the diameter of the conduit. 3. Length of run: 400 feet maximum, less 100 feet for each equivalent 90 degree bend. 4. Fabricate bends and offsets with aickey or conduit bender designed specifically for use with the type of conduit to be, or use factory made bend. 5. Radius of underground bends: minimum 10 times conduit radius.</p> <p>J. Boxes and cabinets: A. Place outlet boxes in a location as close to that shown on the plans as possible. Coordinate location of boxes with other divisions. B. Install wall mounted outlet boxes so that the distance from the centerline of the box to finished floor is as listed or indicated on plan: 1. Receptacles, 4 - 18 inches 2. Switches, 4 - 45 inches C. Install junction boxes with covers accessible after installation. Do not install junction boxes flush with finish walls or ceilings unless specifically approved by the engineer. D. Attach surface boxes with: 1. Steel or malleable iron expansion anchors in concrete or solid masonry. 2. Wood screws in wood. 3. Toggle bolts in hollow walls or masonry. 4. Machine screws, bolts, or welded studs in steel. E. Attach flush boxes with adjustable bar type hangers screw fastened to two studs and on both sides of the box. F. For all surface mounted boxes or cabinets mounted in wet or damp locations provide weatherproof enclosures and at least 1/4 inch air space between box and mounting surface, per CEC 312.2.</p> <p>3.2 INSULATED CONDUCTORS AND CABLES</p> <p>A. Exercise extreme care when pulling conductors and cable into conduits to avoid kinking, twisting, nicking, or scratching the insulation or the placement of extreme stress on the conductors or cable. When required, utilize UL approved pulling compounds to assist in pulling conductors.</p> <p>B. Color code conductors by phase sequence A-B-C when looking into the front of the equipment from left-to-right, top to bottom or front-to-back. Provide conductors with the appropriate phase color or mark conductors with a minimum of 6 inches of phase tape on ends connected to terminals. Phase code conductors as listed:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>VOLTAGE</th> <th>PHASE A</th> <th>PHASE B</th> <th>PHASE C</th> <th>NEUTRAL</th> <th>GROUND</th> </tr> </thead> <tbody> <tr> <td>120/208</td> <td>BLACK</td> <td>RED</td> <td>BLUE</td> <td>WHITE</td> <td>GREEN</td> </tr> <tr> <td>120/240</td> <td>BLACK</td> <td>RED</td> <td>ORANGE</td> <td>WHITE</td> <td>GREEN</td> </tr> <tr> <td>277/480</td> <td>BROWN</td> <td>ORANGE</td> <td>YELLOW</td> <td>GRAY</td> <td>GREEN</td> </tr> </tbody> </table> <p>C. Factory test each pedestal assembly for continuity, shorts, grounds, and each function prior to shipment.</p> <p>3.3 TELECOMMUNICATION BACKBOARDS</p> <p>C. Identify each conductor with its respective circuit number at each box or terminal.</p> <p>3.4 DRY TYPE POWER TRANSFORMER</p> <p>D. Connections: 1. Utilize multi-wire solderless connectors for splicing receptacle and lighting circuits #10 AWG wire size and smaller. 2. Splices and taps will not be permitted for other than receptacle and lighting circuits, or for wire larger than #10. 3. Terminate conductors at motors with bolted connections, insulated with plastic tape.</p> <p>3.5 PANELBOARDS</p> <p>A. Mount transformer on floor or wall as indicated or detailed.</p> <p>B. Provide one (1) vibration isolating mount, minimum 1 inch thick with 1 inch static deflection, for each mounting point on the transformer.</p> <p>C. Connect transformer with flexible metal conduit. Provide an insulated grounding bushing on conduit and bond to transformer case.</p> <p>3.6 SWITCHBOARDS, PEDESTAL TYPE DISTRIBUTION EQUIPMENT, AND CONTROL CABINETS</p> <p>A. Protect switchboards, pedestals, cabinets from damage, abuse, dirt, and debris during construction. Keep equipment free from dirt, scratches, nicks, blisters, and other marks not part of the factory finish. Make touch-ups to the finish with factory enamel.</p> <p>B. Unless noted on drawing, anchor free standing panels to concrete slabs with 1/2 inch or larger anchor bolts fastened to malleable iron or steel expansion shields in the slab. Submit a detail indicating anchor method.</p> <p>C. Coordinate all required conduit openings, knockouts, stubs, and conduit entrance requirements.</p> <p>D. Identify conductors with circuit numbers and phase tape.</p> <p>E. Neatly arrange wiring within the equipment. Bundle and wrap conductors #8 AWG and smaller with plastic wire ties.</p> <p>F. Install an insulated grounding bushing on conduits which enter the equipment.</p> <p>3.7 END OF SECTION</p>	Pedestal Type	Circuit Breaker Frame	Trip Rating (Amperes)	Voltage (AC Rating)	Symmetrical AC Interrupt Capacity	1	100/1 Pole	15-100	120	10,000 Min		100/2 and 3 Poles	15-100	240	10,000 Min		150/2 and 3 Poles	110-150	240	18,000 Min		225/3 Poles	125-225	240	22,000 Min	VOLTAGE	PHASE A	PHASE B	PHASE C	NEUTRAL	GROUND	120/208	BLACK	RED	BLUE	WHITE	GREEN	120/240	BLACK	RED	ORANGE	WHITE	GREEN	277/480	BROWN	ORANGE	YELLOW	GRAY	GREEN	<p>DESIGNED DRAWN REVISION BY DATE</p> <p>APPROVED CHECKED INITIALS</p>
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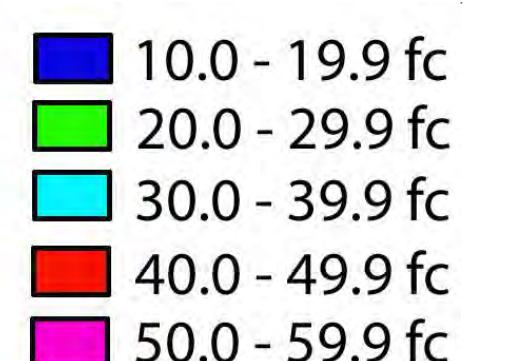
Luminaire Schedule								
Symbol	Qty	Label	Lum. Lumens	LLF	Description	Luminaire Watts	Mounting Height	
	53	P	60563	0.890	BLS-ARLM-400-1-DDK-D-AM-T4-AD	400.2	22	
	2	P2	41099	0.890	BLS-ARLM-300-1-30-T4	300.1	16	
	5	P3	41099	0.890	BLS-ARLM-300-1-30-T4	300.1	22	
	10	W	14557	0.890	BLS-ARLM-100-1-30-T4	100.3	12	

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
COURTS_Planar	Illuminance	Fc	55.59	76.5	30.6	1.82	2.50
Plaza_Planar	Illuminance	Fc	7.56	31.2	0.9	8.40	34.67
Walkway_Planar	Illuminance	Fc	8.87	51.2	0.1	88.70	512.00

Item	Qty	Label (EE)	AKA	Max Wattage	Dialed Down Wattage	MH
1	10	W	Pathway	100	40	12'
2	53	P	Pickleball	400	400	22'
3	2	P2	Security	300	120	16'
4	5	P3	Tennis/Plaza	300	300	22'

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE THE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. MOUNTING HEIGHTS INDICATED ARE FROM GRADE AND/OR FLOOR UP. THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR ENERGY CODE AND LIGHTING QUALITY COMPLIANCE.

Illuminance Values



SWRA Pickleball

SITE LIGHTING PHOTOMETRIC PLAN

6.0