

APPENDIX A

Proposed Project Plans

CITY OF SACRAMENTO

DEPARTMENT OF YOUTH, PARKS & COMMUNITY ENRICHMENT
 PARK PLANNING AND DEVELOPMENT SERVICES, LANDSCAPE ARCHITECTURE SECTION

CONSTRUCTION PLANS FOR:

RENFREE FIELD RENOVATION DEL PASO REGIONAL PARK

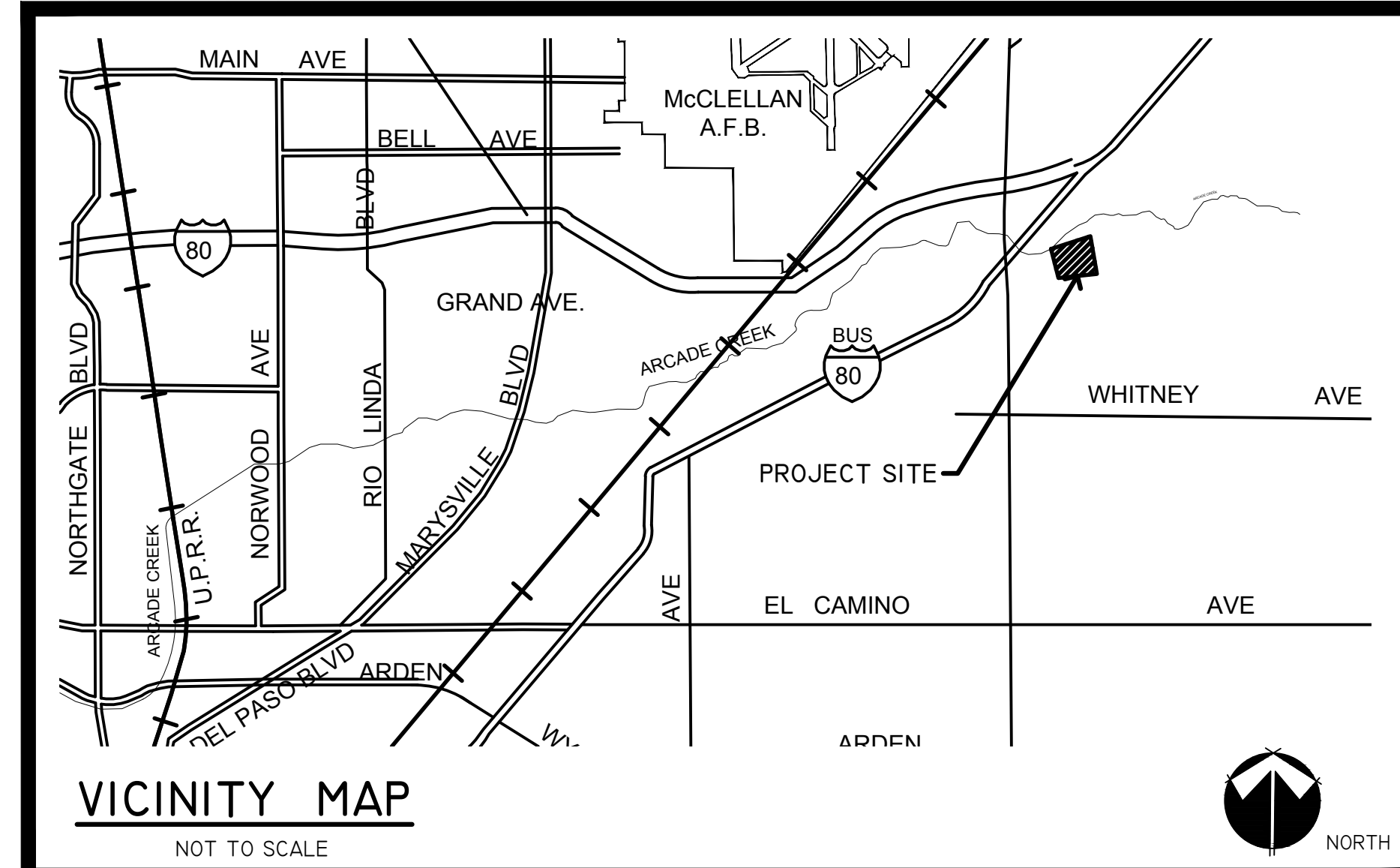
ADDRESS: 3365 AUBURN BLVD, SACRAMENTO, CA 95821

PROJECT NUMBER: LI9-3000-02

PARCEL NO.: 240-0342-011-0000

TOTAL AREA DISTURBED: 10.2ACRES

WDID:



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GENERAL NOTES

- COORDINATION OF CONTRACT DOCUMENTS:** REFER TO SECTION 5-3 COORDINATION OF CONTRACT DOCUMENTS OF THE CITY OF SACRAMENTO STANDARD SPECIFICATIONS FOR PUBLIC CONSTRUCTION DATED JUNE 2007 INCLUDING ALL APPLICABLE ADDENDA AND MEMORANDA.
- TRAFFIC CONTROL REQUIREMENT:** REFER TO SECTION 6-10 TRAFFIC CONTROL REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
- EXISTING FACILITIES:** REFER TO SECTION 13 EXISTING FACILITIES OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
- LOCATION AND PROTECTION OF EXISTING UTILITIES:** REFER TO SECTION 6-19 MAIN AND TRUNKLINE UTILITIES OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS. PURSUANT TO THIS SECTION THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL EXISTING UTILITIES AND PROTECTING AND REPAIRING DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (1-800-642-2444) TWO WORKING DAYS PRIOR TO WORK COMMENCEMENT.
- PERMANENT SURVEY MONUMENTS:** REFER TO SECTION 5-6 PERMANENT SURVEY MONUMENT OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
- IF HUMAN BURIALS ARE ENCOUNTERED:** ALL WORK IN THE AREA SHALL STOP IMMEDIATELY AND THE CITY OF SACRAMENTO AND THE SACRAMENTO COUNTY CORONER'S OFFICE SHALL BE NOTIFIED IMMEDIATELY. IF THE REMAINS ARE DETERMINED TO BE NATIVE AMERICAN IN ORIGIN, BOTH THE NATIVE AMERICAN HERITAGE COMMISSION AND ANY IDENTIFIED DESCENDANTS MUST BE NOTIFIED AND RECOMMENDATIONS FOR TREATMENT SOLICITED. PURSUANT TO: CEQA SECTION 15064.5; HEALTH AND SAFETY CODE SECTION 7050.5; PUBLIC RESOURCES CODE SECTION 5097.94 AND 5097.98.
- TRENCH SAFETY PLANS:** REFER TO SECTION 6-8 TRENCH SAFETY PLANS OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
- PROTECTION OF WORK, PERSONS AND PROPERTY AGAINST DAMAGE:** REFER TO SECTION 7-7 PROTECTION OF WORK, PERSONS AND PROPERTY AGAINST DAMAGE OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
- RECORD DRAWINGS:** REFER TO SECTION 5-8 RECORD DRAWINGS OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.
- LAWS, REGULATIONS:** REFER TO SECTION 6-1 LAWS TO BE OBSERVED AND SECTION 6-2 CERTAIN LAWS AFFECTING THE WORK OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR REQUIREMENTS.

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 Know what's below.
 Call before you dig.

CITY REPRESENTATIVE:
 DENNIS DAY
 LANDSCAPE ARCHITECT
 CITY OF SACRAMENTO, DEPT. OF YOUTH, PARKS & COMMUNITY ENRICHMENT
 LANDSCAPE ARCHITECTURE SECTION
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APPROVED BY:

RAYMOND COSTANTINO, MANAGER PARK PLANNING & DEVELOPMENT SERVICES
 YOUTH, PARKS AND COMMUNITY ENRICHMENT (DATE)

JASON WIESEMANN, SENIOR LANDSCAPE ARCHITECT
 YOUTH, PARKS AND COMMUNITY ENRICHMENT (DATE)

APPLICABLE CODES:
 2016 CALIFORNIA BUILDING CODE (CBC) WITH CITY OF SACRAMENTO AMENDMENTS
 2016 CALIFORNIA PLUMBING CODE (CPC)
 2016 CALIFORNIA ELECTRICAL CODE (CEC)

CITY OF SACRAMENTO
 DEPT. OF PARKS & RECREATION
 PARK PLANNING & DEVELOPMENT SERVICES
 LANDSCAPE ARCHITECTURE SECTION
 915 I STREET, 3RD FLOOR, SACRAMENTO, CA 95814

City of SACRAMENTO
 Youth, Parks, & Community Enrichment

RENFREE FIELD RENOVATION
 DEL PASO REGIONAL PARK
 COVER SHEET

DESIGN BY:
Stantec
 DATE 05.01.2023
 SCALE 1" = 30'-0"
 P. N. LI9-3000-02
 REVISIONS

PRELIMINARY
 NOT FOR CONSTRUCTION

SHEET NO.
 CV001 of XX

RENFREE FIELD RENOVATION DEL PASO REGIONAL PARK (LI9300002)

CITY OF SACRAMENTO - GENERAL NOTES (REVISED 11/20)

- ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF SACRAMENTO STANDARD SPECIFICATIONS, DATED NOVEMBER, 2020 AND ALL APPLICABLE ADDENDA.
- THE CONTRACTOR SHALL BE IN RECEIPT OF CITY ACCEPTED PLANS PRIOR TO BEGINNING CONSTRUCTION WITHIN THE STREET RIGHT-OF-WAY. ACCEPTANCE OF PLANS BY THE CITY OF SACRAMENTO IS BASED ON INFORMATION CONTAINED ON THE PLANS AND SUPPORTING DOCUMENTS, AND DOES NOT SUBROGATE THE DESIGN ENGINEER'S RESPONSIBILITY FOR THIS PROJECT. ANY AND/OR ALL ERRORS AND OMISSIONS ARE THE RESPONSIBILITY OF THE DESIGN ENGINEER.
- CONTACT THE CITY OF SACRAMENTO CONSTRUCTION SECTION AT 808-8300 TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES AND FOR THE PROTECTION OF AND REPAIR OF DAMAGE TO THEM. CONTACT UNDERGROUND SERVICE ALERT 1-800-642-2444, 48 HOURS BEFORE WORK IS TO BEGIN.
- RESPONSIBILITY FOR FINAL ACCEPTANCE OF LINE AND GRADE BY THE CITY OF SACRAMENTO WILL BE ASSUMED ONLY IF CONSTRUCTION STAKES ARE SET BY THE CITY SURVEY CREWS OR THEIR DESIGNATED REPRESENTATIVE. CITY WILL SET CONSTRUCTION STAKES ONLY IF SO INDICATED ON THE NOTICE TO PROCEED WITH CONSTRUCTION ISSUED FOR THIS PROJECT. CONTACT CITY OF SACRAMENTO CONSTRUCTION SECTION TWO (2) WORKING DAYS IN ADVANCE FOR CONSTRUCTION STAKES WITHIN PUBLIC RIGHT-OF-WAY.
- FOR ALL TRENCH EXCAVATIONS 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE DIVISION OF INDUSTRIAL SAFETY (2424 ARDEN WAY, SUITE 165, SACRAMENTO --PHONE 916-263-2800) PRIOR TO BEGINNING ANY EXCAVATION. A COPY OF THIS PERMIT SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND FURNISH, INSTALL, AND MAINTAIN TEMPORARY SIGNS, BRIDGES, BARRICADES, FLAGMEN, AND OTHER FACILITIES TO ADEQUATELY SAFEGUARD THE GENERAL PUBLIC AND WORK, AND TO PROVIDE FOR THE PROPER ROUTING OF VEHICULAR AND PEDESTRIAN TRAFFIC. CONSTRUCTION OPERATIONS SHALL COMPLY WITH THE WORK AREA AND TRAFFIC CONTROL HANDBOOK (WATCH). THE CONTRACTOR SHALL PROVIDE TO THE CITY TRAFFIC ENGINEER FOR REVIEW, A PLAN SHOWING TRAFFIC CONTROL MEASURES AND/OR DETOURS FOR VEHICLES AFFECTED BY THE CONSTRUCTION WORK. THE APPROVED PLAN SHALL BE DELIVERED TO THE CONSTRUCTION INSPECTOR PRIOR TO THE IMPLEMENTATION OF TRAFFIC CONTROL MEASURES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING RECORD DRAWINGS FOR ALL WORK THROUGHOUT THE COURSE OF CONSTRUCTION. SUCH DRAWINGS SHALL RECORD THE LOCATION AND GRADE (CITY DATUM) OF ALL UNDERGROUND IMPROVEMENTS CONSTRUCTED AND SHALL BE DELIVERED TO THE CONSTRUCTION INSPECTOR PRIOR TO, AND IN CONSIDERATION, OF THE CITY'S ACCEPTANCE OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS OR MARKERS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE AND SEWER FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL NEW DRAINAGE AND SEWER IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
- IF UNUSUAL AMOUNTS OF BONE, STONE OR ARTIFACTS ARE UNCOVERED, WORK WITHIN 50 METERS OF THE AREA SHALL CEASE IMMEDIATELY AND A QUALIFIED ARCHAEOLOGIST SHALL BE CONSULTED TO DEVELOP. IF NECESSARY, MITIGATION MEASURES TO REDUCE ANY ARCHAEOLOGICAL IMPACT TO A LESS THAN SIGNIFICANT EFFECT BEFORE CONSTRUCTION RESUMES IN THE AREA.
- COST TO REMOVE AND REPLACE EXISTING PAVEMENT OVER UTILITY LINE TRENCHES SHALL BE INCLUDED IN THE BID PRICE. TRENCHES SHALL BE BACKFILLED AND PAVEMENT SHALL BE REPLACED PER CITY DETAIL T-80. PAVEMENT SHALL BE REPLACED IN KIND (MINIMUM OF 4"AC ON 12"AB) AS DETERMINED IN THE FIELD BY THE CITY INSPECTOR. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE RESTORED (IN THERMOPLASTIC).
- PAVEMENT REPAIR NECESSARY DUE TO SUBSIDENCE RESULTING FROM TRENCH FAILURE OR OTHER DEFECTS IN WORKMANSHIP SHALL CONSIST OF KEY CUTTING AND OVERLAYING BETWEEN THE TWO NEAREST INTERSECTIONS, AS DETERMINED BY THE CITY INSPECTOR.
- SIDEWALK RAMPS SHALL BE CONSTRUCTED AT THE CENTER OF ALL ROUND CORNERS UNLESS OTHERWISE SHOWN. RAMPS SHALL COMPLY WITH THE MOST RECENT CITY STANDARD RAMP DETAILS, WHICH ARE AVAILABLE FROM THE CITY INSPECTOR.
- PIPE AND MANHOLE DIMENSIONS ARE TO THE CENTERLINE, UNLESS OTHERWISE NOTED.
- ALL TAPS 24 INCHES AND SMALLER INTO SEWER & DRAIN MANHOLES SHALL BE CORE BORED WITH KOR-N-SEAL TAPS OR APPROVED EQUAL.
- ANY WATER ENTERING THE SANITARY SEWER SYSTEM TO BE CONSTRUCTED UNDER THESE PLANS SHALL NOT BE DISCHARGED TO THE EXISTING SYSTEM. PLUGS MUST BE INSTALLED IN EXISTING MANHOLES AS NECESSARY TO PERMIT PUMPING THE NEW SYSTEM CLEAR OF WATER AND DEBRIS PRIOR TO ACCEPTANCE. CARE SHALL BE EXERCISED IN LOCATING PLUGS TO AVOID INTERRUPTING SERVICES TO EXISTING CONNECTIONS. MORTAR OR BRICK PLUGS MUST BE USED, INFLATABLE DEVICES ARE NOT SATISFACTORY.
- UNLESS OTHERWISE APPROVED, DRAIN PIPE MATERIAL SHALL BE EITHER REINFORCED CONCRETE PIPE CONFORMING TO ASTM, DESIGNATION C76 Class III, IV, V OR PVC SDR-35 OR AS SPECIFIED ON PLANS. USE RCP CLASS III OR PVC SDR-35 WITH 18" OR MORE MINIMUM COVER, RCP CLASS IV WITH 12" - 18" MINIMUM COVER, RCP CLASS IV ENCASED IN CDF WITH 6" - 12" MINIMUM COVER, AND CLASS 150 CEMENT MORTAR LINED DUCTILE IRON PIPE CONFORMING TO AWWA C151 ENCASED IN CDF WITH 0" - 6" MINIMUM COVER. IN ALL CASES, PROVIDE RUBBER GASKETED JOINTS. (NOTE: MINIMUM COVER IS FROM TOP OF AB TO TOP OUTSIDE DIAMETER OF DRAIN PIPE)
- DI INLET LEADS SHALL BE RCP CLASS III OR PVC SDR-35 WITH 18" OR MORE MINIMUM COVER, PVC C-900 CLASS 150 OR RCP CLASS IV WITH 12" - 18" MINIMUM COVER, RCP CLASS IV OR PVC C-900 BOTH ENCASED IN CDF WITH 6" - 12" MINIMUM COVER, OR DUCTILE IRON PIPE ENCASED IN CDF WITH 0" - 6" MINIMUM COVER. IN ALL CASES, PROVIDE RUBBER GASKETED JOINTS. (NOTE: MINIMUM COVER IS FROM TOP OF AB TO TOP OUTSIDE DIAMETER OF DRAIN PIPE)
- SANITARY SEWER PIPE MAINS SHALL BE CONSTRUCTED OF V.C.P., A.B.S. OR PVC UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- ALL SEWER SERVICES SHALL BE CONSTRUCTED OF A.B.S. PIPE PER CITY STANDARD DRAWINGS S-260 AND S-265, UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL SEWER SERVICES SHALL BE 4" DIAMETER UNLESS OTHERWISE NOTED.
- AGGREGATE SUBBASE SHALL CONFORM TO CALTRANS SPECIFICATIONS DATED: 2010, SECTION 25.
- THE CONTRACTOR SHALL VIDEO RECORD ALL DRAIN AND SEWER PIPES PER CITY STANDARD SPECIFICATIONS.
- UNLESS OTHERWISE APPROVED, THE CONTRACTOR SHALL BALL AND FLUSH ALL SEWER AND DRAIN SYSTEMS PRIOR TO VIDEO RECORDING. THESE SYSTEMS SHALL BE FREE OF DEBRIS PRIOR TO ACCEPTANCE OF WORK.
- A STORM WATER PERMIT MUST BE OBTAINED WHEN CONSTRUCTION ACTIVITY RESULTS IN SOIL DISTURBANCE OF ONE (1) OR MORE ACRES. THE STATE WATER RESOURCES CONTROL BOARD, DIVISION OF WATER QUALITY, STORM WATER PERMIT UNIT, P.O. BOX 1977, SACRAMENTO, CA 95812-1977, SHALL BE CONTACTED TO OBTAIN THE PERMIT PRIOR TO BEGINNING CONSTRUCTION.
- IF WORK SHOWN ON THESE PLANS HAS NOT COMMENCED WITHIN TWO YEARS FROM THE DATE OF THE CITY'S ACCEPTANCE OF THE PLANS, A SUBSEQUENT PLAN REVIEW AT THE CITY'S DISCRETION AND THE DEVELOPER'S EXPENSE MAY BE NECESSARY.
- CONTRACTOR SHALL COMPLY WITH THE CITY OF SACRAMENTO ADMINISTRATIVE AND TECHNICAL PROCEDURES MANUAL FOR GRADING/EROSION AND SEDIMENT CONTROL.
- CONSTRUCT SURVEY MONUMENT WELL PER STD. DWG. T-350 AT LOCATIONS INDICATED ON THE FINAL MAP.
- CONCRETE RESTORATION: COLOR OF NEW CONCRETE SHALL MATCH ADJACENT EXISTING CONCRETE BY ADDING LAMP BLACK.
- THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS.

CITY OF SACRAMENTO - OPTIONAL NOTES (REVISED 1/24/17)

- THE EXACT WIDTH OF EXISTING PAVEMENT TO BE SALVAGED SHALL BE DETERMINED IN THE FIELD BY THE CONSTRUCTION SECTION.
- EXISTING ASPHALT PAVEMENT SHALL BE CUT TO A NEAT STRAIGHT LINE. THE EXPOSED EDGE SHALL BE TACKED WITH EMULSION PRIOR TO PAVING.
- THE EXACT LIMITS OF PAVEMENT OVERLAY SHALL BE DETERMINED IN THE FIELD BY THE CONSTRUCTION SECTION.
- EXACT LIMITS OF CURB AND GUTTER, SIDEWALK, DRIVEWAY, AND PAVEMENT REMOVAL AND RECONSTRUCTION SHALL BE DETERMINED IN THE FIELD BY THE CONSTRUCTION SECTION.
- COMPACTION OF TRENCH BACKFILL BY MEANS OF JETTING IS NOT PERMITTED.
- GUTTER SLOPES FROM FLOWLINE TO LIP SHALL BE FIVE (5) PERCENT BETWEEN ROUND CORNER CURB RETURNS. THE FIVE (5) PERCENT SLOPED SHALL BE TRANSITIONED TO THE STANDARD GUTTER SLOPE OVER A DISTANCE OF THREE (3) TO FIVE (5) FEET, AS DIRECTED IN THE FIELD BY RESIDENT ENGINEER. THE GUTTER SLOPE ADJACENT TO HANDICAP RAMPS SHALL IN NO CASE BE GREATER THAN FIVE (5) PERCENT.
- TOP (FINAL) LIFT OF AC SHALL BE 1/2-INCH MIX.

CITY OF SACRAMENTO - GRADING NOTES (REVISED 11/20)


- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARDS.
- CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF SACRAMENTO STANDARD SPECIFICATIONS DATED: NOVEMBER, 2020 AND ALL APPLICABLE ADDENDA.
- ALL GRADING SHALL COMPLY WITH THE RECOMMENDATIONS OF THE SOIL AND GEOLOGICAL INVESTIGATION PREPARED BY TERRACON, DATED SEPTEMBER 10, 2020.
- ALL SLOPE BANKS ARE 2:1 MAXIMUM UNLESS OTHERWISE NOTED.
- MAXIMUM TOLERANCE FROM PAD ELEVATIONS SHALL BE +/- 0.2'.
- ANY GRADING OPERATIONS OUTSIDE OF SUBDIVISION BOUNDARY SHALL REQUIRE A RIGHT-OF-ENTRY.
- ALL GRADING SHALL BE IN CONFORMANCE WITH THE CITY OF SACRAMENTO GRADING, EROSION, AND SEDIMENT CONTROL ORDINANCE (ORD.NO.93-068).
- NO GRADING, TRENCHING, CUTTING AND/OR FILLING WITHIN THE DRIP LINE OF THOSE TREES, DESIGNATED ON THE SITE PLAN FOR PRESERVATION, SHALL OCCUR. NO ACTIONS SHALL BE TAKEN THAT WILL HARM THE HEALTH, VITALITY OR LONGEVITY OF THOSE TREES IDENTIFIED ON THE SITE PLAN FOR PRESERVATION.

**CITY OF SACRAMENTO DEPARTMENT OF UTILITIES
EROSION AND SEDIMENT CONTROL NOTES**

- THE CONTRACTOR SHALL FOLLOW THE GUIDELINES FOR THE CITY OF SACRAMENTO'S "ADMINISTRATIVE AND TECHNICAL PROCEDURES MANUAL FOR GRADING AND EROSION AND SEDIMENT CONTROL" FOR THE MEASURES SHOWN OR STATED ON THESE PLANS.
- CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE FOR THE WINTER MONTHS PRIOR TO OCTOBER 1.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
- THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
- CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMPs, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMPs OR EROSION AND SEDIMENT CONTROL PLAN.
- IN AREAS WHERE SOIL IS EXPOSED, PROMPT REPLANTING WITH NATIVE COMPATIBLE, DROUGHT-RESISTANT VEGETATION SHALL BE PERFORMED. NO AREAS WILL BE LEFT EXPOSED OVER THE WINTER SEASON.
- THE CONTRACTOR SHALL INSTALL THE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE. THE STABILIZED CONSTRUCTION ENTRANCE SHALL REMAIN IN PLACE UNTIL THE ROAD BASE ROCK COURSE IS COMPLETED.
- ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY OR AS NECESSARY.
- CONTRACTOR SHALL PLACE Q20, Q30 AROUND ALL NEW DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE BMPs SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
- CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:
 - SOLID WASTE MANAGEMENT:
 - PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS.
 - ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.
 - MATERIAL DELIVERY AND STORAGE:
 - PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING.
 - STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE.
 - INSPECT AREA WEEKLY.
 - CONCRETE WASTE:
 - PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT.
 - DISPOSE OF HARDENED CONCRETE OFF-SITE.
 - AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE CITY STORM DRAINS VIA CURB AND GUTTER.
 - INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.
 - PAINT AND PAINTING SUPPLIES:
 - PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP.
 - INSPECT SITE WEEKLY FOR EVIDENCE OF IMPROPER DISPOSAL.
 - VEHICLE FUELING, MAINTENANCE AND CLEANING:
 - PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING.
 - DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS.
 - RESTRICT ONSITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA WEEKLY.
 - HAZARDOUS WASTE MANAGEMENT:
 - PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES.
 - HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.

General Notes

- Sacramento Suburban Water District is a member of U.S.A. one call program. Call for public water system information.
- All materials used and work performed in water system construction and installation shall comply with approved plans, Special Conditions and the District Standards and Technical Specifications. Any and all deviations from these documents shall require prior written approval by the General Manager or an appointed representative of the District.
- Ten (10) days prior to pre-construction meeting, the Contractor shall furnish to the District a list of materials proposed to be used in constructing the water system, including manufacturer information and model number.
- Pre-construction meeting with the District Inspector, Consulting Engineer, County Inspector and Contractor must be held at least two (2) days in advance of construction to inspect materials, schedule inspections, review the approved water system plans and schedule any tie-in connections. Pre-construction meetings will not be scheduled until all District required fees have been paid, all material submittals are approved, and the District receives original guarantee letters, encroachment/maintenance bonds, final signed plans and reproducible plans.
- No work shall begin until items in General Notes 3. and 4., above, are completed.
- All water system SHUTDOWNS shall be made ONLY by District personnel. Under no circumstances shall anyone other than the District open or close any valve in the District system. Shutdowns for the purpose of making connections to existing mains must be scheduled at least three (3) days in advance, and are ONLY permitted on Tuesday, Wednesday and Thursday, excluding District Holidays. The hours of the shutdown shall be determined by the District. All connections will be supervised and controlled by the District.
- The finish grade shall be established, staked and marked at each water service connection and hydrant location. Permanent property corner markers shall be placed by a licensed Civil Engineer or Surveyor.
- A separate water service connection must be installed for each lot, parcel or premise, and shall be one (1) inch in diameter unless otherwise specified on the approved water plan. No service shall be permitted within 20-feet of a blow off assembly.
- The completed water system must be disinfected, hydro-tested and flushed.
- No water service will be provided and no connections to water service will be permitted until the requirements for temporary water approval have been completed.
- At the time of final acceptance by the District, the completed water system and main extensions with all appurtenances, apparatus, fittings and equipment shall become and forever remain the property of the District.
- All existing water services not required for this project shall be abandoned according to Technical Specifications 2-2.19 of these Specifications. The exact method shall be determined by the District Inspector and shall be no less than the following:
 - Removing section of pipe and replacing with a new section.
 - Removal of the weld-on coupling, corporation stop, saddle and install a full-circle 20-inch wide, stainless steel repair band.
- All backflow prevention devices shall be TESTED by certified County approved testers prior to FINAL ACCEPTANCE. Copies of satisfactory test results shall be furnished to the District prior to FINAL ACCEPTANCE of system at no cost to the District. Water service shall not be provided until District receives the satisfactory test results.
- Upgrade of existing facilities shall include but not limited to bringing facility to current standards and/or replacement as required or directed by the District.
- A separate sampling station(s) shall be installed as necessary to meet State Water Resources Control Board Division of Drinking Water requirements for coliform testing.
- All above ground appurtenances (ARV's, Fire Hydrants, Sample Stations, etc.) shall have 4 Guard Posts installed per District Standard Detail No. 7 unless directed by District.

| | |
|--|--|
|  <p>PHONE (916) 972-7171 3701 MARCONI AVENUE SUITE 100 SACRAMENTO, CA 95821-5303</p> | STANDARD DETAIL |
| | <p>GENERAL NOTES</p> <p>DATE: AUGUST 2018 STD. DET. NO. 1</p> |

EARTHWORK QUANTITIES

CUT: _____ CUBIC YARDS
 FILL: _____ CUBIC YARDS
 NET: _____ CUBIC YARDS

EARTHWORK NOTES

- IT IS THE GRADING CONTRACTOR'S RESPONSIBILITY TO REVIEW THE GRADING PLANS AND SOILS REPORT THOROUGHLY PRIOR TO SITE MOBILIZATION. IT IS ALSO THE GRADING CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CIVIL AND SOILS ENGINEERS IF ONSITE DISCREPANCIES ARE OBSERVED THAT WOULD AFFECT THE EARTHWORK QUANTITIES.
- THE EXISTING TOPOGRAPHY AS DELINEATED ON THESE DRAWINGS SHALL BE UTILIZED AS THE BASIS FOR ALL EARTHWORK COMPUTATIONS. SAID TOPOGRAPHY SHALL BE PRESUMED TO BE ACCEPTABLE TO ALL INTERESTED PARTIES UNLESS A DEVIATION IS FOUND PRIOR TO THE START OF GRADING IN ANY SPECIFIC AREAS. ANY DEVIATION SO DETERMINED SHALL BE PROMPTLY TRANSMITTED TO ALL INTERESTED PARTIES.
- THE CONTRACTOR IS REQUIRED TO ESTIMATE THE QUANTITIES OF GRADING WORK TO BE DONE AND INCLUDE ALL COSTS THEREFROM IN HIS BID, AS NO ADDITIONAL ALLOWANCE WILL BE MADE WITHOUT PRIOR CONSENT FROM THE OWNER.
- OVER-EXCAVATION AND/OR EXCESS BACKFILLING OR DUPLICATION OF GRADING ACTIVITIES IS NOT A BASIS FOR ADDITIONAL COMPENSATION. THIS ALSO APPLIES WHERE MATERIAL IS TO BE REMOVED AND REPLACED TO REDUCE MOISTURE CONTENT.
- OFF-SITE DISPOSAL OF EXCAVATION MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN HIS BID. THE CONTRACTOR SHALL HOLD THE OWNER AND ENGINEER HARMLESS AS A RESULT OF ANY CLAIMS ARISING FROM ACTIONS ENROUTE OR AWAY FROM THE SITE.
- EARTH VOLUMES SHOWN HEREON ARE ESTIMATES BASED UPON THE GEOTECHNICAL ANALYSIS PERFORMED BY THE NAMED SOILS ENGINEER AND TOPOGRAPHIC SURVEY OF THE EXISTING GROUND SURFACE AT THE TIME OF PLAN PREPARATION. EARTHWORK VOLUMES ARE COMPUTED BY METHODS COMMONLY USED IN STANDARD ENGINEERING PRACTICE, AND ARE INTENDED FOR USE IN ESTABLISHING GOVERNING AGENCY FEES. ACTUAL FIELD CONDITIONS MAY VARY FROM OBSERVED OR MEASURED CONDITIONS AT THE TIME OF PLAN PREPARATION. EARTHWORK QUANTITIES MAY VARY AS A RESULT.
- THE QUANTITIES FOR THESE PLANS ARE BASED UPON ASSUMPTION OF 0% BULKING FACTOR OF CUT. ACTUAL BULKING MAY VARY.



CITY OF SACRAMENTO
 DEPT. OF PARKS & RECREATION
 PARK PLANNING & DEVELOPMENT SERVICES
 LANDSCAPE ARCHITECTURE SECTION
 915 I STREET, 3RD FLOOR, SACRAMENTO, CA 95814



RENFREE FIELD RENOVATION
 DEL PASO REGIONAL PARK
 GENERAL NOTES

DESIGN BY:



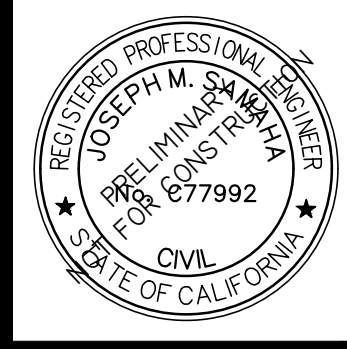
DATE 05.01.2023

SCALE 1" = 30'-0"

P. N. L19-3000-02

REVISIONS

| | |
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| | |
| | |



SHEET NO.

C-01 of XX

DEMOLITION NOTES

1. CONTRACTOR SHALL REVIEW AND UNDERSTAND SITE CONDITIONS PRIOR TO BID.
2. ALL EXISTING AMENITIES SHOWN TO REMAIN SUCH AS CURB, DRAINS, UTILITIES, ETC. SHALL BE REPLACED BY THE CONTRACTOR IF DAMAGED DURING CONSTRUCTION. AMENITIES SHALL BE REPLACED IN KIND OR BETTER THAN CURRENT CONDITION.
3. ALL ITEMS TO BE DEMOLISHED SHALL BE LEGALLY DISPOSED OF OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL WASTE MATERIAL OFF-SITE.
4. ALL SITE VEGETATION, TRASH AND DEBRIS IN PROJECT AREAS IMPACTED BY NEW CONSTRUCTION SHALL BE REMOVED AND PROPERLY DISPOSED OF IN STATE APPROVED WASTE DISPOSAL FACILITIES.
5. CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE IMMEDIATELY IN WRITING IF ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS ARE ENCOUNTERED.
6. CONTRACTOR SHALL REMOVE ALL IRRIGATION HEADS AND PROVIDE A PERMANENT CAP BELOW GRADE. PERMANENT CAPS SHALL BE PROVIDED ON ALL ABANDONED LINES, TYPICAL TO PREVENT VECTOR INTRUSION INTO BUILDING.
7. CONTRACTOR SHALL CUT AND PERMANENTLY CAP ALL KNOWN AND/OR LOCATABLE IRRIGATION CONNECTIONS TO THE BUILDING PLUMBING SYSTEM. NEW CONNECTIONS AND EQUIPMENT SHALL BE PROVIDED PER IRRIGATION AND PLUMBING DRAWINGS IN THIS DRAWING SET.
8. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE IRRIGATION AND MAINTENANCE OF EXISTING AND PROPOSED PLANT MATERIALS AT ALL TIMES UNTIL FINAL ACCEPTANCE.

TREE PROTECTION NOTES

1. ALL TREE ROOTS REQUIRING PRUNING SHALL BE CUT CLEAN AND THE TREE AFFECTED MAY REQUIRE SUPPLEMENTAL IRRIGATION, FERTILIZATION, AND PRUNING, AS A RESULT OF THE ROOT CUTTING.
2. THE CONTRACTORS SHALL BE HELD LIABLE FOR ANY DAMAGES TO EXISTING TREES, I.E. TRUNK WOUNDS, BROKEN LIMBS, POURING OF ANY DELETERIOUS MATERIALS, OR CONCRETE WASHOUT UNDER THE DRIP LINE OF THE TREES. DAMAGES WILL BE ASSESSED USING THE "GUIDE TO PLANT APPRAISAL" 9TH EDITION, PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE, AN APPRAISAL REPORT SHALL BE SUBMITTED FOR REVIEW BY THE CITY ARBORIST.
3. SUPPLEMENTAL IRRIGATION WILL BE REQUIRED FOR TREES ON AN ADJACENT TO THE PROJECT SITE WHERE THE IRRIGATION HAS BEEN TURNED OFF OR MODIFIED BECAUSE OF THE CONSTRUCTION ACTIVITIES.
4. TREES TO BE PRESERVED AND PROTECTED SHALL HAVE A TEMPORARY CHAIN LINK CONSTRUCTION FENCE PLACED AROUND THE DRIFLINE OF THE TREES.
5. ALL EXISTING TREES SHALL BE PROTECTED FROM DAMAGE OR INJURY. NO PARKING OR STACKING OF CONSTRUCTION MATERIALS IS ALLOWED WITHIN THE DRIP LINE OF EXISTING TREES.

UTILITY NOTE:

EXISTING UTILITIES SHOWN HEREIN ARE APPROXIMATE ONLY AND MAY NOT SHOW ALL EXISTING FACILITIES WITHIN THE PROJECT AREA. CONTRACTOR MUST FIELD VERIFY AND POTHOLE EXISTING UTILITIES WITHIN THE PROJECT AREA PRIOR TO BEGINNING CONSTRUCTION. ALL EXISTING UTILITIES MUST BE PROTECTED IN PLACE DURING CONSTRUCTION.

DEMOLITION & EXISTING CONDITIONS LEGEND

| DEMOLITION | | |
|------------|--|----------|
| CODE | DESCRIPTION | QTY |
| D-101 | EXISTING TREE TO BE REMOVED. SEE TREE REMOVAL LEGEND. | 21 |
| D-102 | EXISTING BALLFIELD LIGHT POST TO BE REMOVED | 22 |
| D-103 | EXISTING BALLFIELD FENCING TO BE REMOVED | 1,377 LF |
| D-104 | EXISTING BLEACHERS TO BE REMOVED | 2 |
| D-105 | EXISTING DRINKING FOUNTAIN TO BE REMOVED | 1 |
| D-106 | EXISTING SCOREBOARD TO BE REMOVED | 1 |
| D-107 | EXISTING FOUL BALL POSTS TO BE REMOVED | 2 |
| D-108 | EXISTING GATE TO BE REMOVED | 1 |
| D-109 | EXISTING CHAINLINK FENCE TO BE REMOVED TO NEAREST POST | - |
| D-110 | EXISTING POST AND CABLE FENCE TO BE REMOVED | - |
| D-111 | EXISTING PARK SIGN TO BE REMOVED | - |
| D-112 | EXISTING BENCHES TO BE REPLACED | 2 |

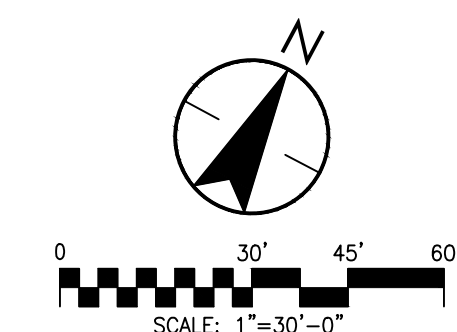
| EXISTING CONDITIONS | | |
|---------------------|--|----------|
| CODE | DESCRIPTION | QTY |
| EX-201 | EXISTING WELL SITE TO REMAIN | 1 |
| EX-202 | EXISTING TREES TO REMAIN, INSTALL TREE PROTECTION FENCING, TYP. REFER TO TREE PROTECTION NOTES | 2,065 LF |
| EX-203 | EXISTING PLAY EQUIPMENT AND SURFACING TO REMAIN. PROTECT IN PLACE | - |
| EX-204 | EXISTING LIGHT POLE TO REMAIN, PROTECT IN PLACE | - |
| EX-205 | EXISTING STRUCTURE TO REMAIN | - |
| EX-206 | EXISTING DECOMPOSED GRANITE TRAIL TO REMAIN, PROTECT IN PLACE | - |
| EX-207 | EXISTING PICNIC TABLE AND CONCRETE PAD TO REMAIN, PROTECT IN PLACE | - |
| EX-208 | EXISTING GATE TO REMAIN | - |
| EX-209 | EXISTING CHAIN LINK FENCE TO REMAIN, PROTECT IN PLACE | - |
| EX-210 | EXISTING POST AND CABLE FENCE TO REMAIN | - |
| EX-211 | EXISTING ASPHALT TO REMAIN, PROTECT IN PLACE | - |
| EX-212 | EXISTING TELEPHONE POLE TO REMAIN | - |
| EX-213 | EXISTING SIGN TO REMAIN | - |
| EX-214 | EXISTING BOULDER TO BE RELOCATED | - |

| DEMOLITION | | |
|------------|---|------------|
| SYMBOL | DESCRIPTION | QTY |
| | EXISTING AREA TO BE CLEARED AND GRUBBED FOR PLANTING. | 143,187 SF |
| | EXISTING ASPHALT AND AGGREGATE BASE TO BE REMOVED | 35,882 SF |
| | EXISTING CONCRETE TO BE REMOVED AND DISPOSED | 9,830 SF |
| | EXISTING AC TOP TO BE REMOVED, BASE ROCK TO REMAIN AND REUSED IN NEW AC PARKING | 35,388 SF |
| | EXISTING DECOMPOSED GRANITE PATH TO BE REMOVED | 179 SF |
| | EXISTING TURF AREA TO BE CLEARED AND GRUBBED | 138,459 SF |

TREE REMOVAL LEGEND

| DEMOLITION | | | |
|--------------------------------|---|---------|--------------------------|
| CODE | SCIENTIFIC NAME/COMMON NAME | CALIPER | TREE IMPACT MATRIX ID #* |
| 1 | FRAXINUS V. 'MODESTO'/MODESTO ASH | 22 | 118 |
| 2 | FRAXINUS V. 'MODESTO'/MODESTO ASH | 22 | 119 |
| 3 | FRAXINUS V. 'MODESTO'/MODESTO ASH | 30 | 120 |
| 4 | AILANTHUS ALTISSIMA/TREE OF HEAVEN | 7 | 158 |
| 5 | AILANTHUS ALTISSIMA/TREE OF HEAVEN | 9 | 157 |
| 6 | PYRUS CALLERYANA/CALLERY PEAR | 7 | 154 |
| 7 | PYRUS CALLERYANA/CALLERY PEAR | 26 | 147 |
| 8 | PYRUS CALLERYANA/CALLERY PEAR | 12 | 151 |
| 9 | PYRUS CALLERYANA/CALLERY PEAR | 10 | 152 |
| 10 | PLATANUS HISPANICA/LONDON PLANE TREE | 16 | 98 |
| 11 | PLATANUS HISPANICA/LONDON PLANE TREE | 22 | 97 |
| 12 | PLATANUS HISPANICA/LONDON PLANE TREE | 16 | 96 |
| 13 | PLATANUS HISPANICA/LONDON PLANE TREE | 18 | 103 |
| 14 | PLATANUS HISPANICA/LONDON PLANE TREE | 16 | 95 |
| 15 | PLATANUS HISPANICA/LONDON PLANE TREE | 15 | 104 |
| 16 | PLATANUS HISPANICA/LONDON PLANE TREE | 15 | 94 |
| 17 | ROBINIA X AMBIGUA 'IDAHOENSIS'/IDAHO LOCUST | 6 | 89 |
| 18 | ROBINIA X AMBIGUA 'IDAHOENSIS'/IDAHO LOCUST | 7 | 88 |
| 19 | ROBINIA X AMBIGUA 'IDAHOENSIS'/IDAHO LOCUST | 13 | 87 |
| 20 | ROBINIA X AMBIGUA 'IDAHOENSIS'/IDAHO LOCUST | 4 | 86 |
| 21 | ROBINIA X AMBIGUA 'IDAHOENSIS'/IDAHO LOCUST | 14 | 85 |
| TOTAL CALIPER INCH TO REPLACE: | | 307 | |

*TREE IMPACT MATRIX TO TAKE PRIORITY IN NUMBER REFERENCES. TREE IMPACT MAP NUMBERING IS INCORRECT.



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

SEE DRAWING CV001
FOR GENERAL NOTES

MATCHLINE SEE SHEET LD101



DEMOLITION & EXISTING CONDITIONS LEGEND

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|---------------------|--|------------|
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| D-101 | EXISTING PLAY TREE TO BE REMOVED. SEE TREE REMOVAL LEGEND. | 21 |
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| EX-204 | EXISTING LIGHT POLE TO REMAIN, PROTECT IN PLACE | - |
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SEE DRAWING CV001 FOR GENERAL NOTES

SEE DRAWING LD101 FOR DEMOLITION LEGEND AND NOTES

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

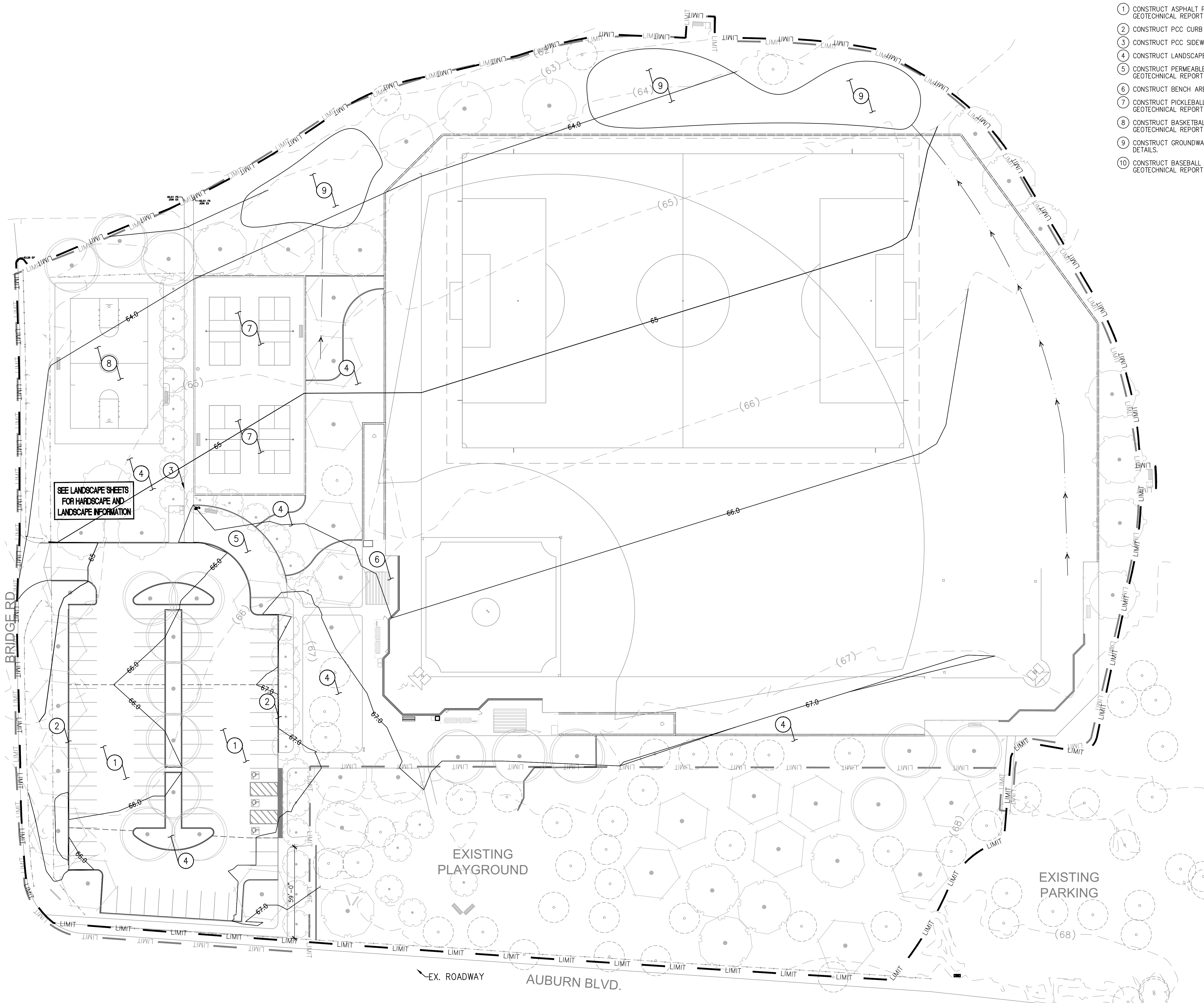
RENFREE FIELD RENOVATION
 DEL PASO REGIONAL PARK
 EXISTING CONDITIONS & DEMOLITION PLAN

DESIGN BY:

 DATE 05.01.2023
 SCALE 1" = 30'-0"
 P. N. 19-3000-02
 REVISIONS

PRELIMINARY
 NOT FOR CONSTRUCTION

RENFREE FIELD RENOVATION DEL PASO REGIONAL PARK (L19300002)

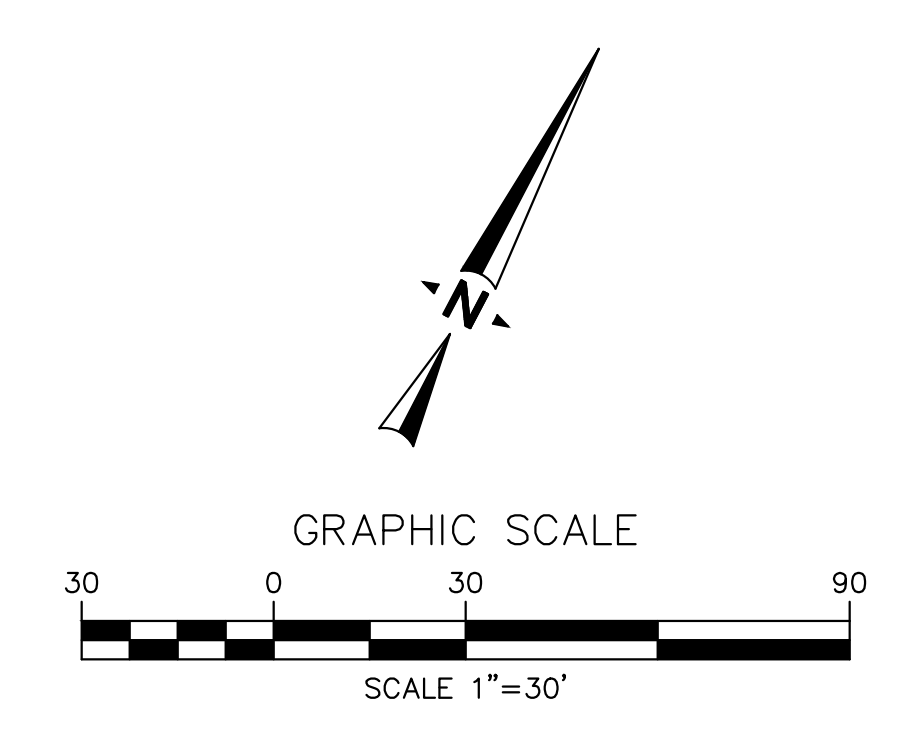


GRADING CONSTRUCTION NOTES

- ① CONSTRUCT ASPHALT PARKING LOT PER LANDSCAPE DETAILS AND GEOTECHNICAL REPORT RECOMMENDATIONS.
- ② CONSTRUCT PCC CURB PER LANDSCAPE DETAILS.
- ③ CONSTRUCT PCC SIDEWALK PER LANDSCAPE DETAILS.
- ④ CONSTRUCT LANDSCAPE PER LANDSCAPE DETAILS.
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- ⑦ CONSTRUCT PICKLEBALL COURTS PER LANDSCAPE DETAILS AND GEOTECHNICAL REPORT RECOMMENDATIONS.
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LEGEND

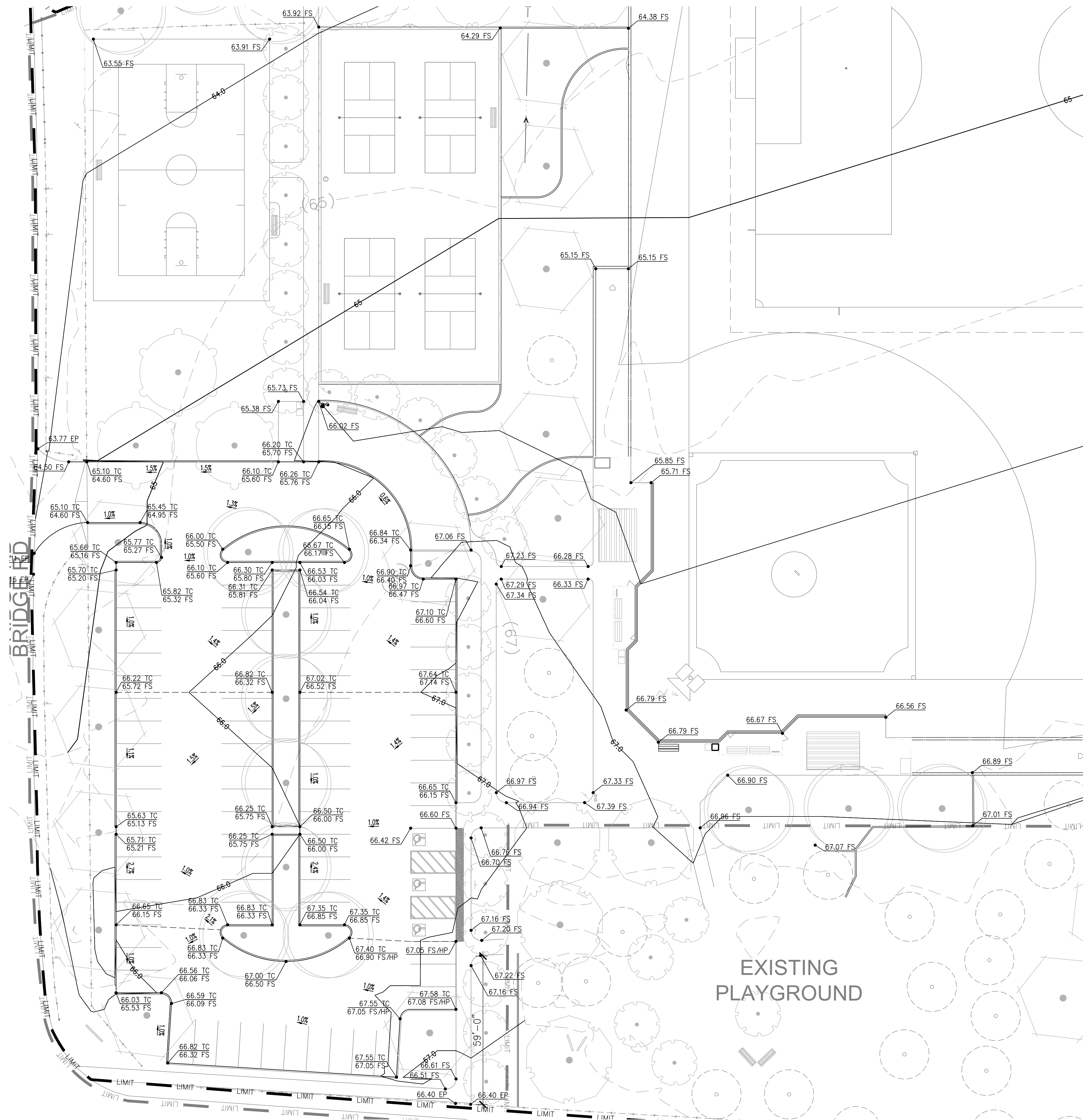
| | |
|----------|--|
| XXXX | DESIGN ELEVATION |
| XXXXX | EXISTING ELEVATION |
| XXXXINVJ | ELEVATION DERIVED FROM AS-BUILT OR RECORD PLANS. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCY PRIOR TO THE COMMENCEMENT OF WORK. |
| XXX | DESIGN SLOPE PERCENT AND DIRECTION |
| (S1) | EXISTING CONTOUR |
| 31 | PROPOSED CONTOUR |
| --- | PROPERTY LINE |
| --- | EASEMENT LINE |
| --- | SAWCUT LINE |
| --- | DRAINAGE SWALE |



RENFREE FIELD RENOVATION
 DEL PASO REGIONAL PARK
 OVERALL GRADING PLAN

DESIGN BY:
 Stantec
 DATE 05.01.2023
 SCALE 1" = 30'-0"
 P. N. L19-3000-02
 REVISIONS





GRADING CONSTRUCTION NOTES

- ① CONSTRUCT ASPHALT PARKING LOT PER LANDSCAPE DETAILS AND GEOTECHNICAL REPORT RECOMMENDATIONS.
- ② CONSTRUCT PCC CURB PER LANDSCAPE DETAILS.
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LEGEND

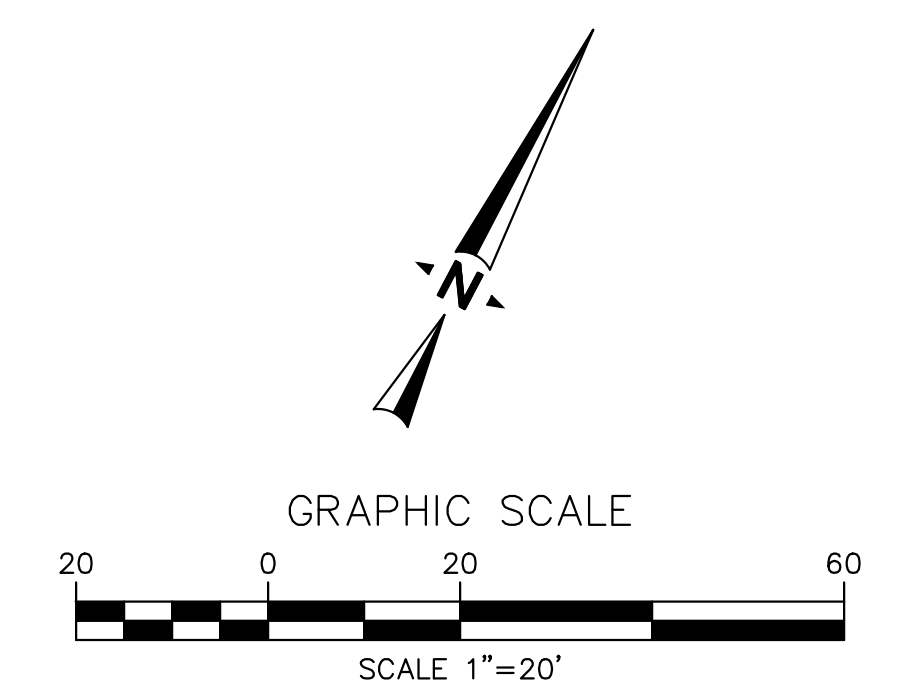
| | |
|-----------|--|
| XXXX | DESIGN ELEVATION |
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| DXXXINV] | ELEVATION DERIVED FROM AS-BUILT OR RECORD PLANS. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCY PRIOR TO THE COMMENCEMENT OF WORK. |
| XXX | DESIGN SLOPE PERCENT AND DIRECTION |
| (31) | EXISTING CONTOUR |
| 31 | PROPOSED CONTOUR |
| --- | PROPERTY LINE |
| - - - - | EASEMENT LINE |
| · · · · · | SAWCUT LINE |
| - - - - - | DRAINAGE SWALE |

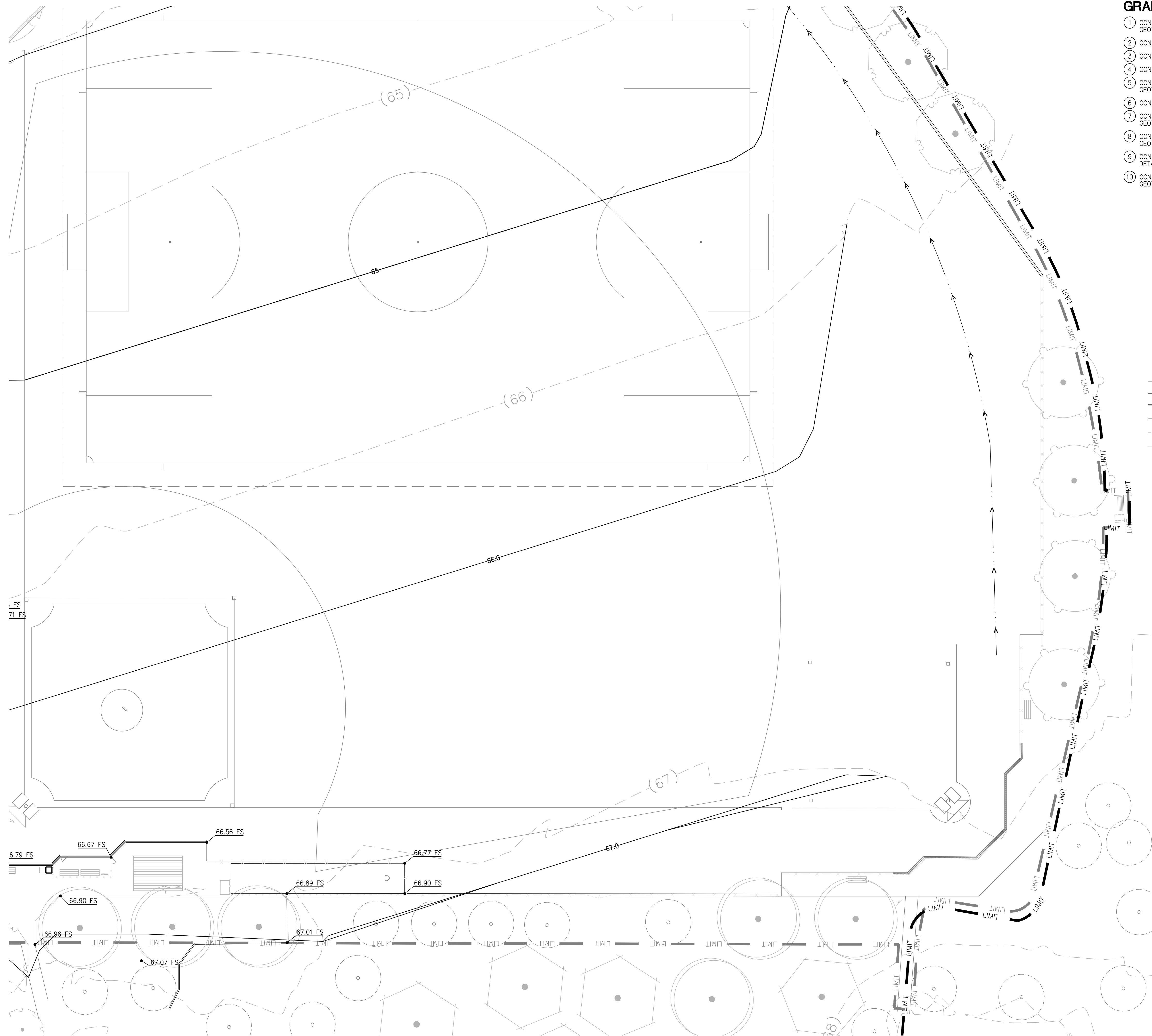
RENFREE FIELD RENOVATION
 DEL PASO REGIONAL PARK
 PRECISE GRADING PLAN

DESIGN BY:
 Stantec
 DATE 05.01.2023
 SCALE 1" = 30'-0"
 P. N. L19-3000-02
 REVISIONS



SHEET NO.
 C-03 of XX



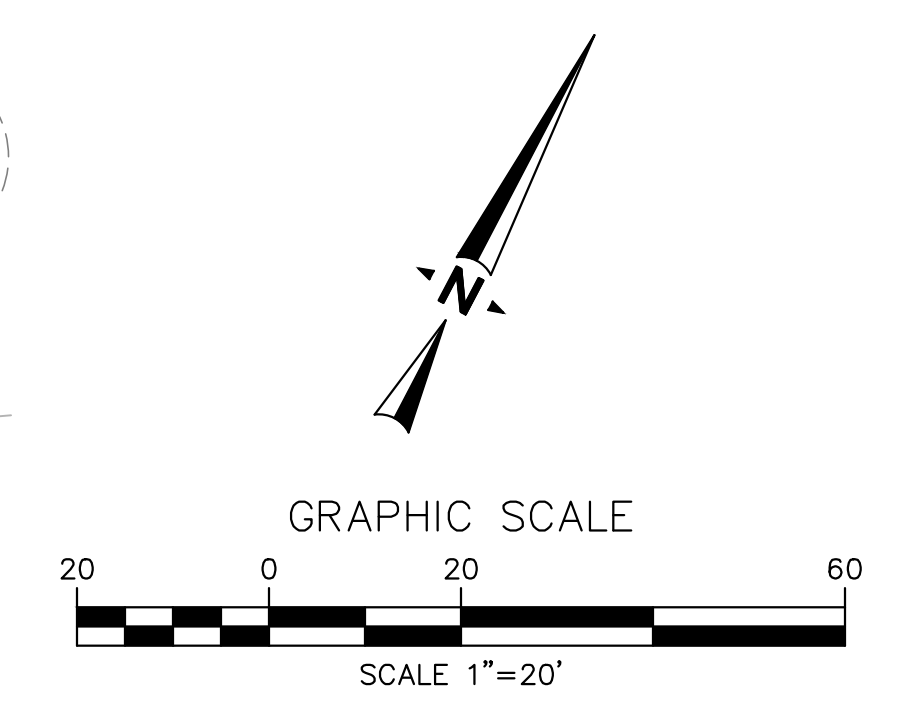


GRADING CONSTRUCTION NOTES

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LEGEND

| | |
|-----------|--|
| XXXX | DESIGN ELEVATION |
| (XXXX) | EXISTING ELEVATION |
| {XXXXINV} | ELEVATION DERIVED FROM AS-BUILT OR RECORD PLANS. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCY PRIOR TO THE COMMENCEMENT OF WORK. |
| XXX | DESIGN SLOPE PERCENT AND DIRECTION |
| (3:1) | EXISTING CONTOUR |
| 3:1 | PROPOSED CONTOUR |
| --- | PROPERTY LINE |
| --- | EASEMENT LINE |
| --- | SAWCUT LINE |
| --- | DRAINAGE SWALE |

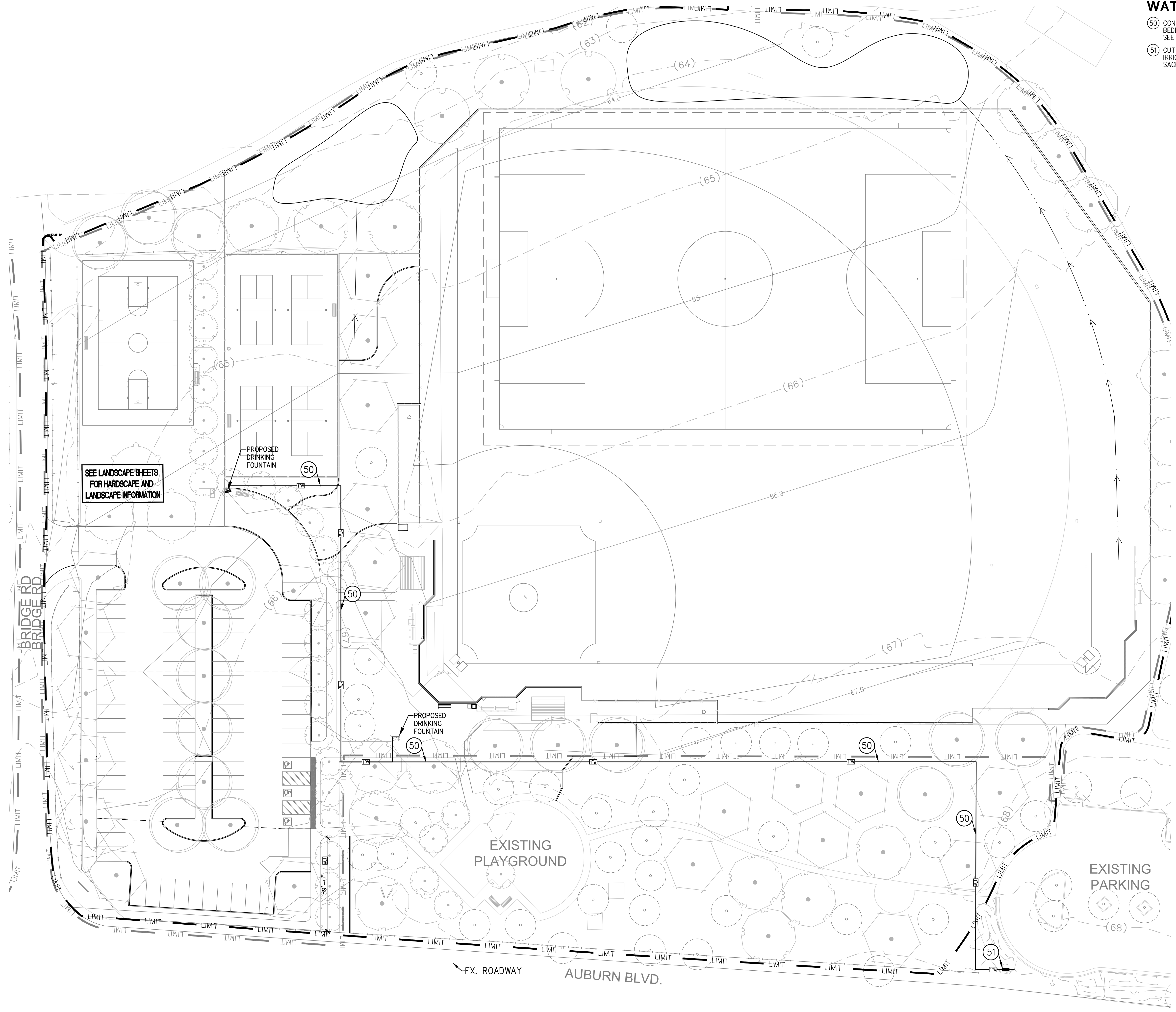


RENFREE FIELD RENOVATION
 DEL PASO REGIONAL PARK
 PRECISE GRADING PLAN

DESIGN BY:
 Stantec
 DATE 05.01.2023
 SCALE 1" = 30'-0"
 P. N. L19-3000-02
 REVISIONS



RENFREE FIELD RENOVATION DEL PASO REGIONAL PARK (L19300002)



WATER CONSTRUCTION NOTES

- (50) CONSTRUCT 1" DOMESTIC WATER LINE (SCH 40 PVC). TRENCHING AND BEDDING PER SACRAMENTO SUBURBAN WATER DISTRICT STD. DTL. 3, SEE SHEET 7.
- (51) CUT TEE INTO EXISTING WATER LINE BETWEEN EXISTING METER AND IRRIGATION BACKFLOW. CONSTRUCT 1" BACKFLOW PREVENTER PER SACRAMENTO COUNTY STANDARD DRAWING 8-8A, SEE SHEET 7.

LEGEND

| | |
|----------|--|
| XXXX | DESIGN ELEVATION |
| XXXXX | EXISTING ELEVATION |
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| XXX | DESIGN SLOPE PERCENT AND DIRECTION |
| (31) | EXISTING CONTOUR |
| 31 | PROPOSED CONTOUR |
| --- | PROPERTY LINE |
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| --- | SAWCUT LINE |
| --- | DRAINAGE SWALE |

SEE LANDSCAPE SHEETS FOR HARDSCAPE AND LANDSCAPE INFORMATION

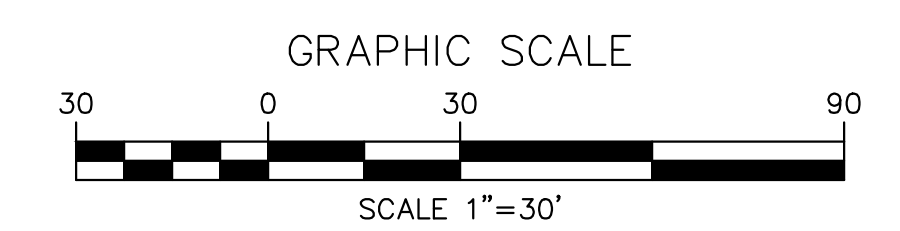
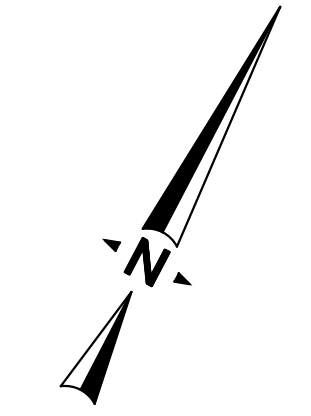
PROPOSED DRINKING FOUNTAIN (50)

PROPOSED DRINKING FOUNTAIN (50)

EXISTING PLAYGROUND

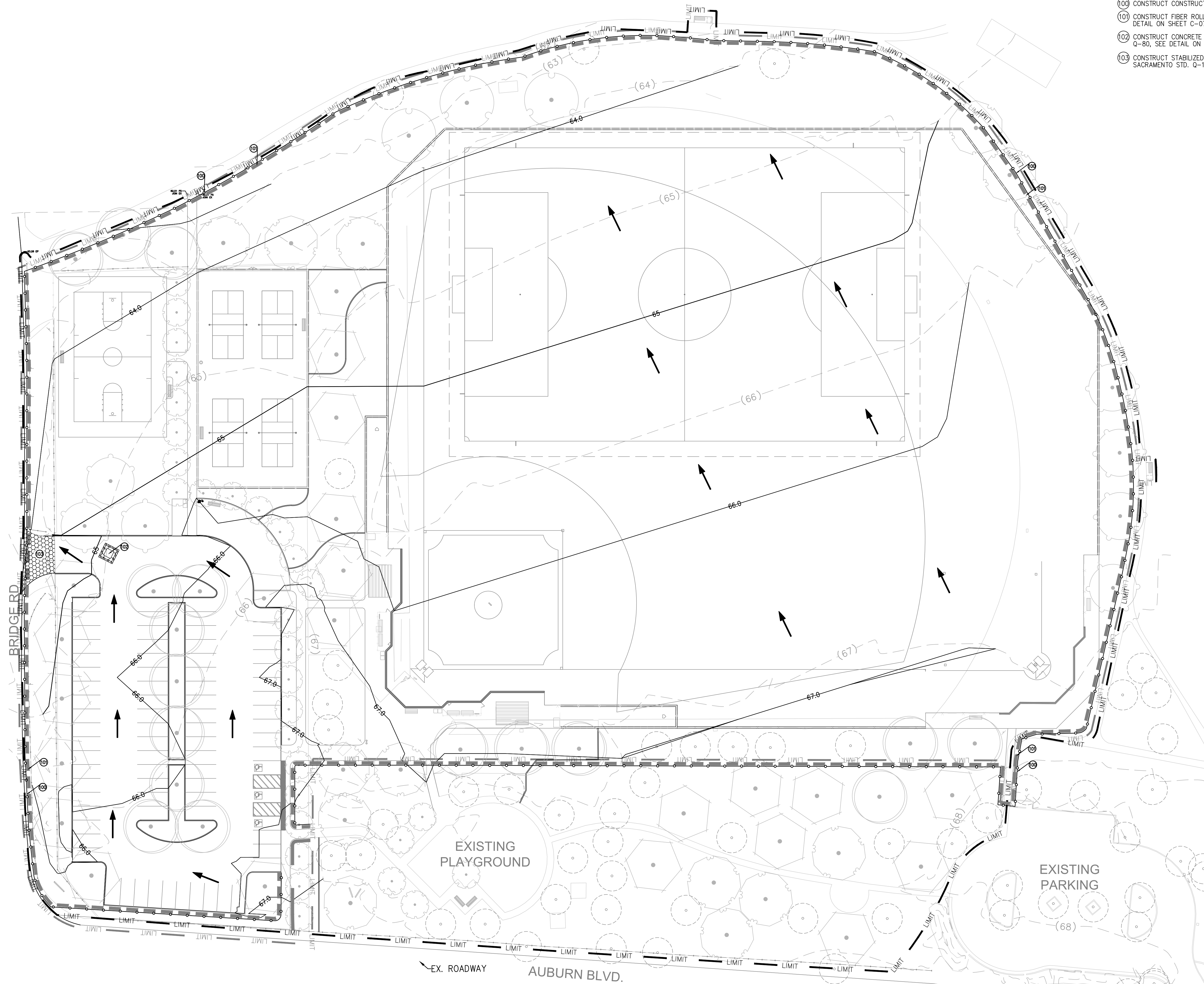
EXISTING PARKING

EX. ROADWAY AUBURN BLVD.



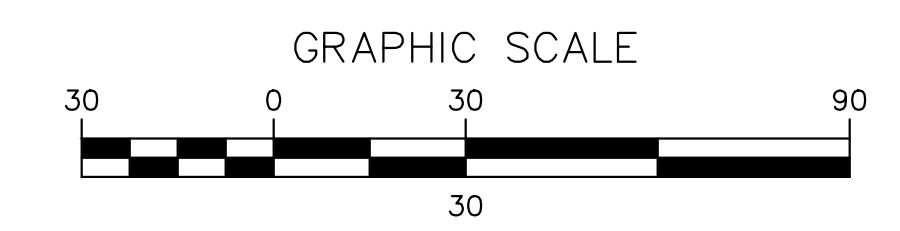
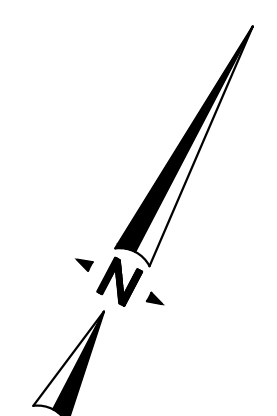
EROSION CONTROL NOTES

- 100 CONSTRUCT CONSTRUCTION FENCE WITH GREEN SCREEN.
- 101 CONSTRUCT FIBER ROLLS PER CITY OF SACRAMENTO STD. Q-40, SEE DETAIL ON SHEET C-07.
- 102 CONSTRUCT CONCRETE WASHOUT PER CITY OF SACRAMENTO STD. Q-80, SEE DETAIL ON SHEET C-07.
- 103 CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE PER CITY OF SACRAMENTO STD. Q-10, SEE DETAIL ON SHEET C-07.



LEGEND

| | |
|----------|---|
| XXXX | DESIGN ELEVATION |
| 0000 | EXISTING ELEVATION |
| (000000) | ELEVATION DERIVED FROM AS-BUILT OR RECORD PLANS. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCY. DESIGN ELEVATIONS SHALL PREVAIL. |
| --- | EXISTING CONTOUR |
| --- | PROPOSED CONTOUR |
| --- | PROPERTY LINE |
| --- | EXISTENT LINE |
| --- | SAWTOOTH LINE |
| --- | DRAINAGE SWALE |
| --- | PROPOSED FIBER ROLL |
| --- | PROPOSED CONSTRUCTION FENCE |
| → | FLOW DIRECTION |



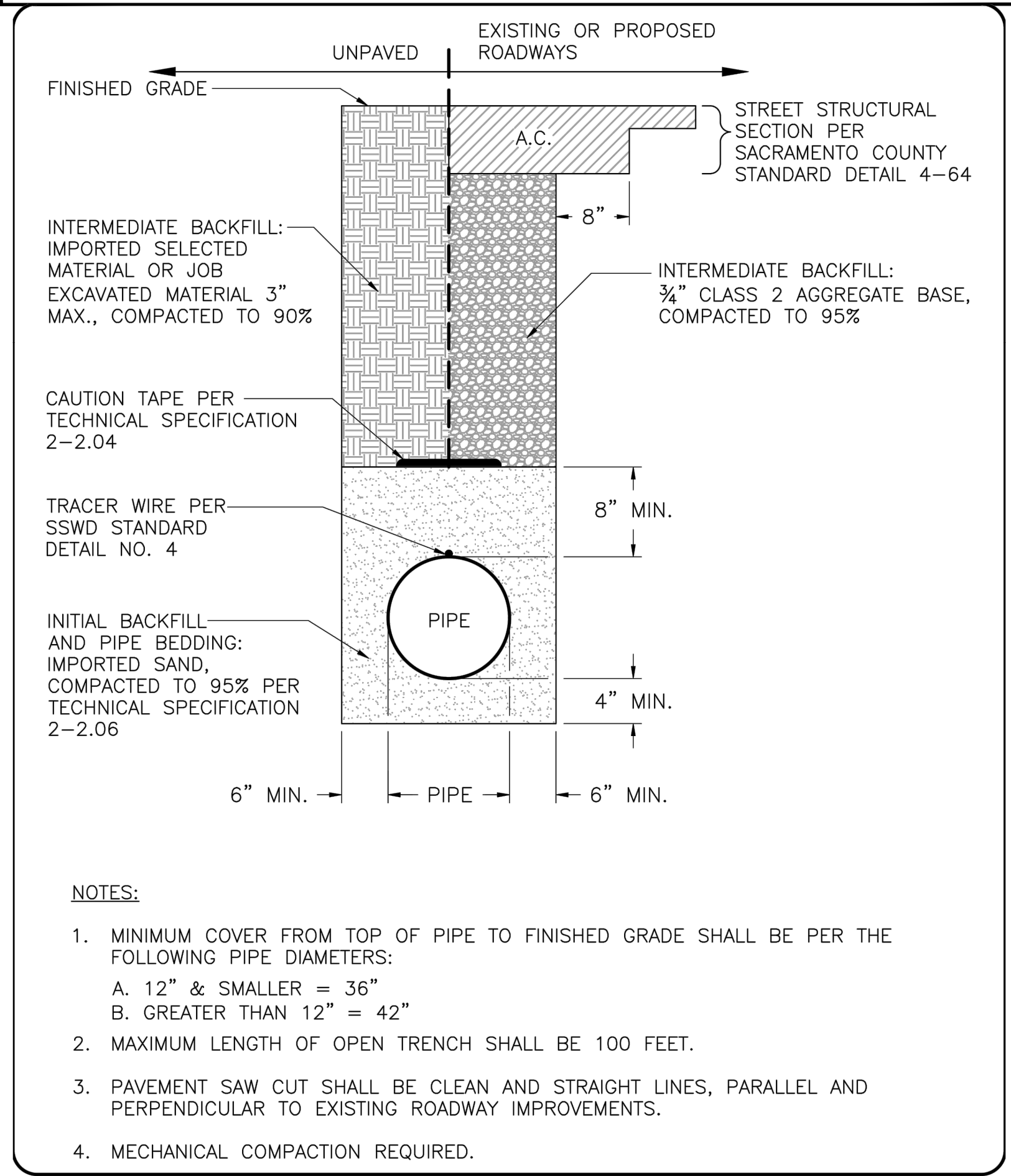
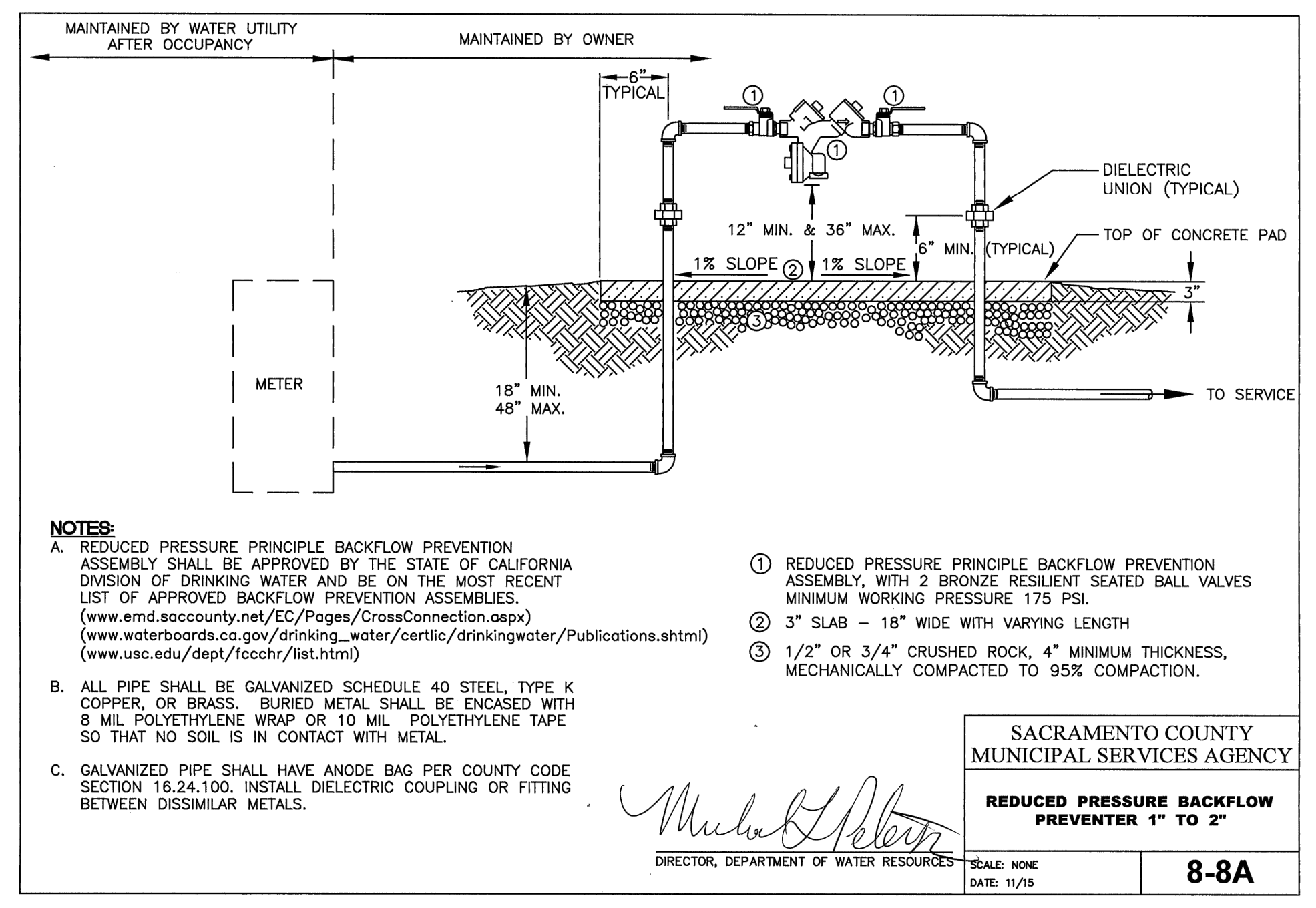
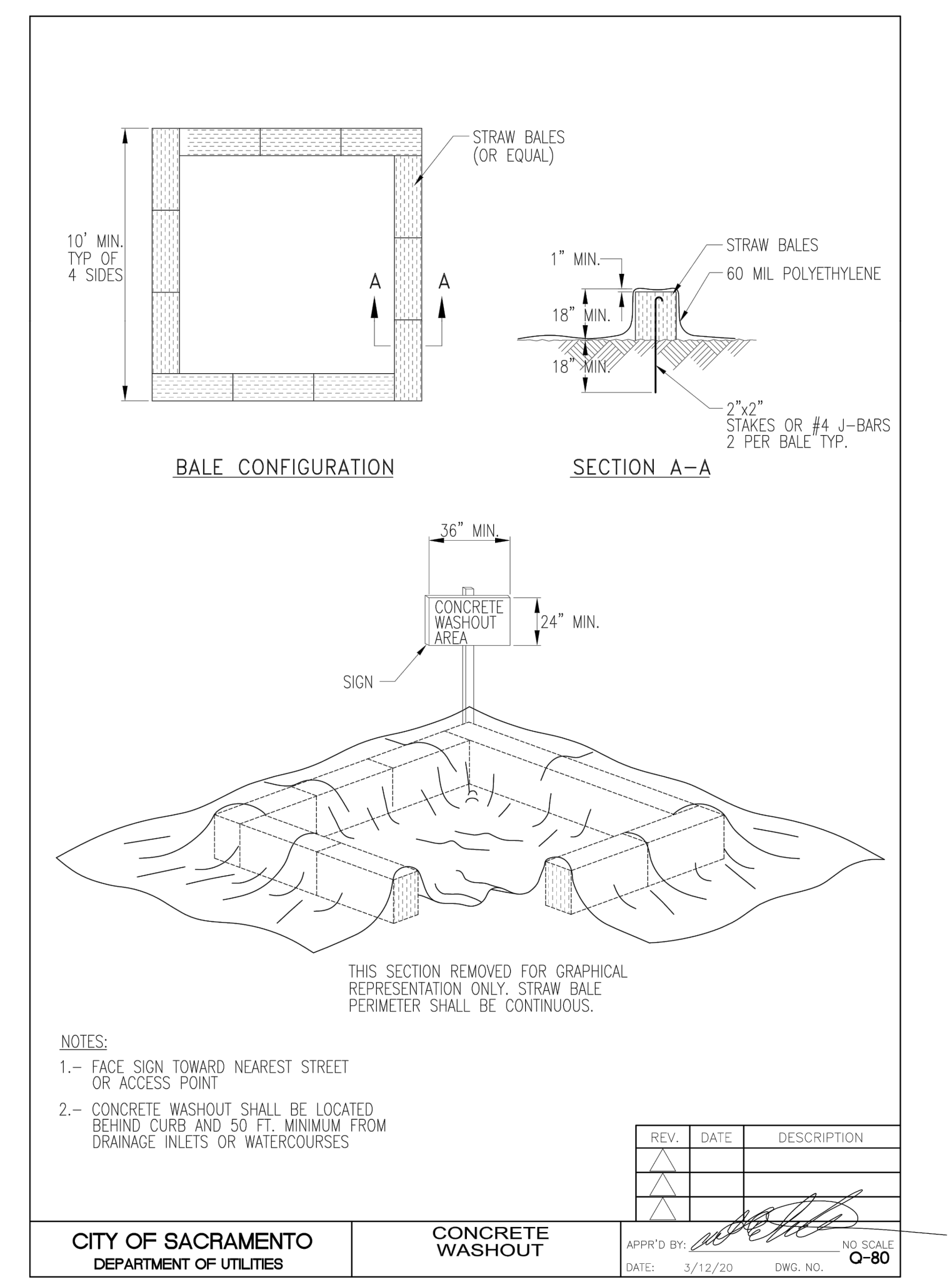
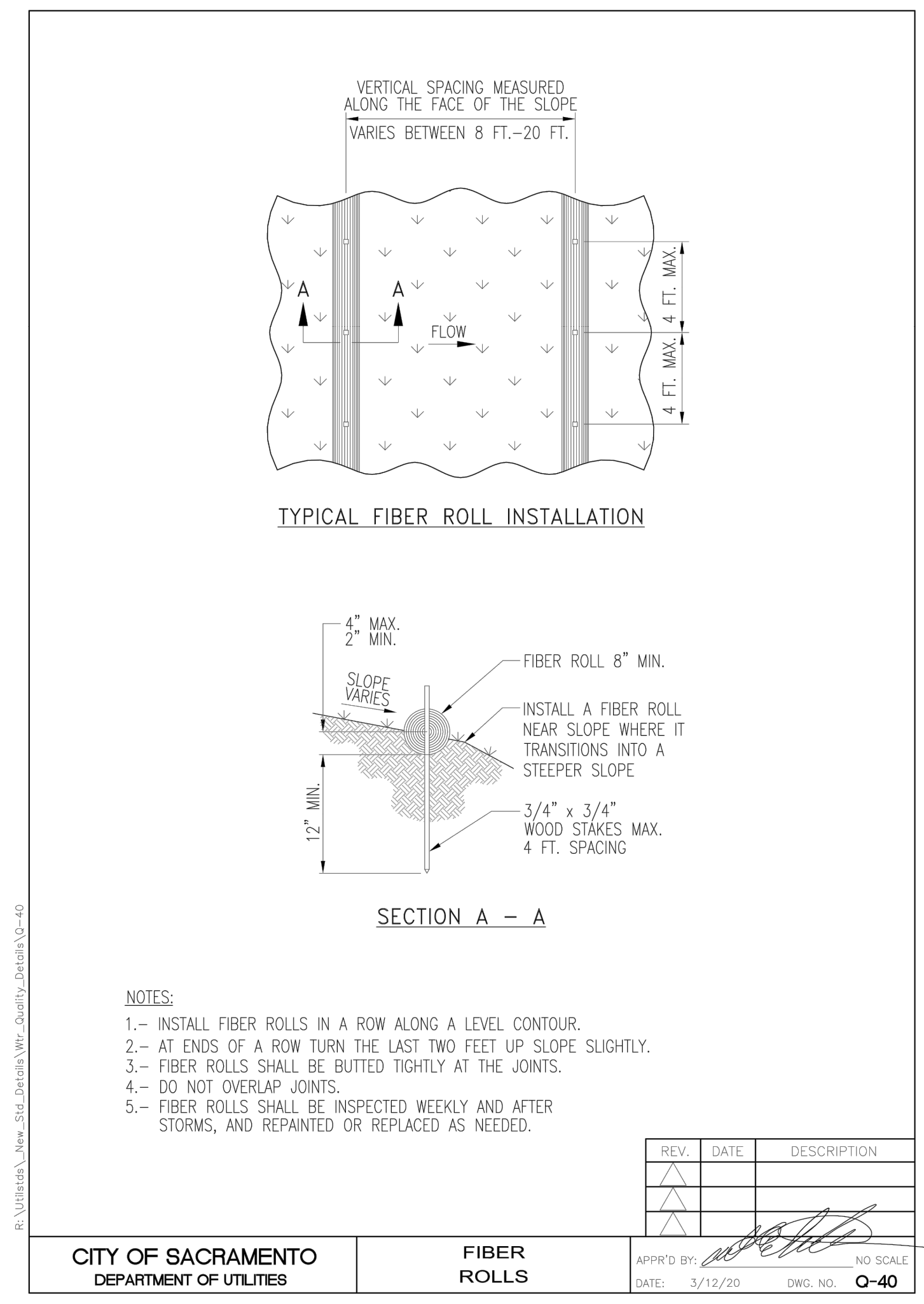
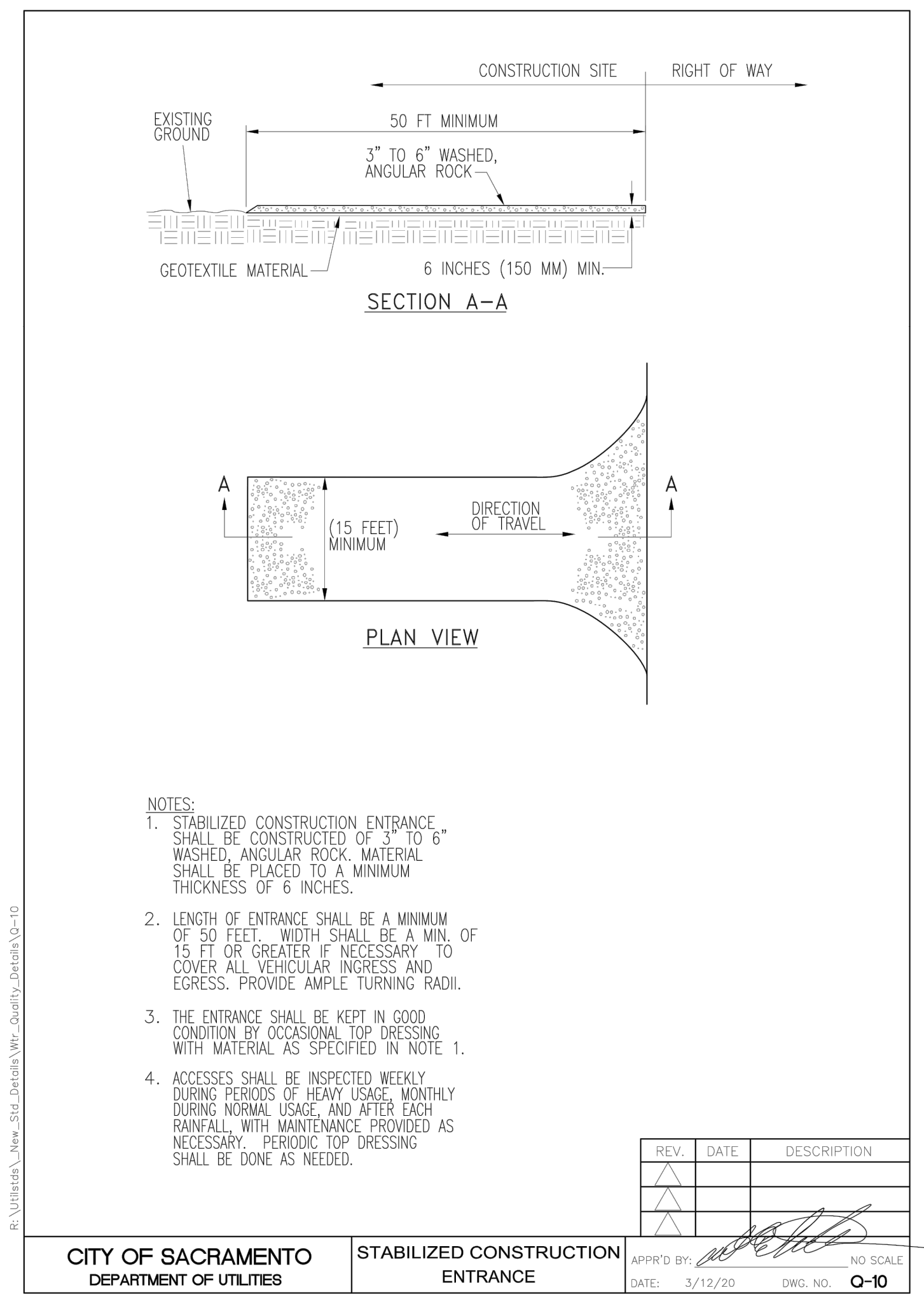
CITY OF SACRAMENTO
 DEPT. OF PARKS & RECREATION
 PARK PLANNING & DEVELOPMENT SERVICES
 LANDSCAPE ARCHITECTURE SECTION
 915 I STREET, 3RD FLOOR, SACRAMENTO, CA 95814

**RENFREE FIELD RENOVATION
 DEL PASO REGIONAL PARK
 EROSION CONTROL**

DESIGN BY:
Stantec
 DATE 05.01.2023
 SCALE 1" = 30'-0"
 P. N. L19-3000-02
 REVISIONS



RENFREE FIELD RENOVATION DEL PASO REGIONAL PARK (L19300002)



SACRAMENTO SUBURBAN WATER DISTRICT | PHONE (916) 972-7171 | 3701 MARCONI AVENUE SUITE 100 | SACRAMENTO, CA 95821-5303

STANDARD DETAIL | TRENCH SECTIONS | DATE: AUGUST 2018 | STD. DET. NO. 3

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

DESIGN BY: Stantec | DATE: 05.01.2023 | SCALE: 1" = 30'-0" | P. N. L19-3000-02

REGISTERED PROFESSIONAL ENGINEER | JOSEPH M. SHAW | CIVIL | LICENSE NO. 677992 | STATE OF CALIFORNIA

LAYOUT NOTES

- WRITTEN DIMENSIONS SHALL TAKE PRECEDENT OVER SCALED DIMENSIONS. ALL FIELD ADJUSTMENTS MUST BE APPROVED BY THE OWNER PRIOR TO INSTALLATION.
- ALL LOCAL CODES AND ORDINANCES SHALL BE COMPLIED WITH. IF THERE IS A CONFLICT, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IN WRITING.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ANY UNDERGROUND UTILITIES. DAMAGE CAUSED BY THE CONTRACTOR'S INSTALLATION SHALL BE REPAIRED TO THE SATISFACTION OF THE GOVERNING AGENCY AND/OR OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS OF SUCH REPAIRS. CONTRACTOR SHALL CONTACT 811 UNDERGROUND SERVICE ALERT FOR LOCATION OF ALL UNDERGROUND UTILITIES FORTY EIGHT (48) HOURS BEFORE STARTING EXCAVATION.
- VERIFY EXISTING CONDITIONS BEFORE BEGINNING WORK. NOTIFY THE OWNER IF THERE ARE SUBSTANTIAL DISCREPANCIES.
- ALL TRADES SHALL COORDINATE WORK SO PROGRESS OF WORK IS NOT INTERRUPTED AND CAN BE COMPLETED IN A TIMELY MANNER.
- IMPROVEMENTS SHALL MEET ALL ACCESSIBILITY RULES AND REGULATIONS AS SET FORTH BY THE AMERICAN WITH DISABILITIES ACT (ADA). THE REQUIREMENTS OF ADA WILL BE SUBJECT TO VARIOUS, AND POSSIBLY, CONTRADICTORY INTERPRETATIONS. THE LANDSCAPE ARCHITECT HAS USED THEIR BEST PROFESSIONAL EFFORT TO INTERPRET APPLICABLE ADA REQUIREMENTS AND OTHER FEDERAL, STATE AND LOCAL LAWS, RULES, CODES ORDINANCES AND REGULATIONS AS THEY APPLY TO THIS PROJECT.
- ALL DIMENSIONS ARE TO EDGE OF CONCRETE FLATWORK, FACE OF CURB, OR CENTER POINT OF RADIUS.
- SLEEVING SHALL BE INSTALLED PRIOR TO PLACING CONCRETE WORK. REFER TO IRRIGATION PLAN. CONTRACTOR TO STUDY IRRIGATION PLAN TO DETERMINE EXACT LOCATION OF SLEEVING. CONTRACTOR TO BE RESPONSIBLE FOR ALL SLEEVE LOCATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, AT NO ADDITIONAL COST TO THE OWNER, ANY EXISTING AREAS TO REMAIN WHICH ARE DISTURBED AS A CONSEQUENCE OF THE CONTRACTOR'S CONSTRUCTION OPERATIONS.
- ALL MATERIALS AND FINISHES SHALL BE AS PER DRAWINGS, DETAILS AND SPECIFICATIONS. SOME MATERIALS MAY REQUIRE A SEVERAL-WEEK ORDER LEAD TIME. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ANY AND ALL ORDERING LEAD TIMES AND PROVIDING REQUIRED MATERIALS AT THE PROJECT SITE IN A TIMELY MANNER. NO UNAPPROVED SUBSTITUTIONS WILL BE ALLOWED. CONTACT THE OWNER IMMEDIATELY IF A SPECIFIED MATERIAL IS NOT AVAILABLE.

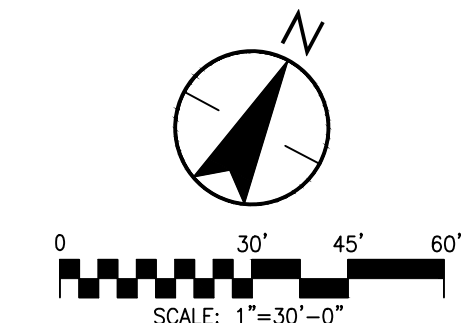
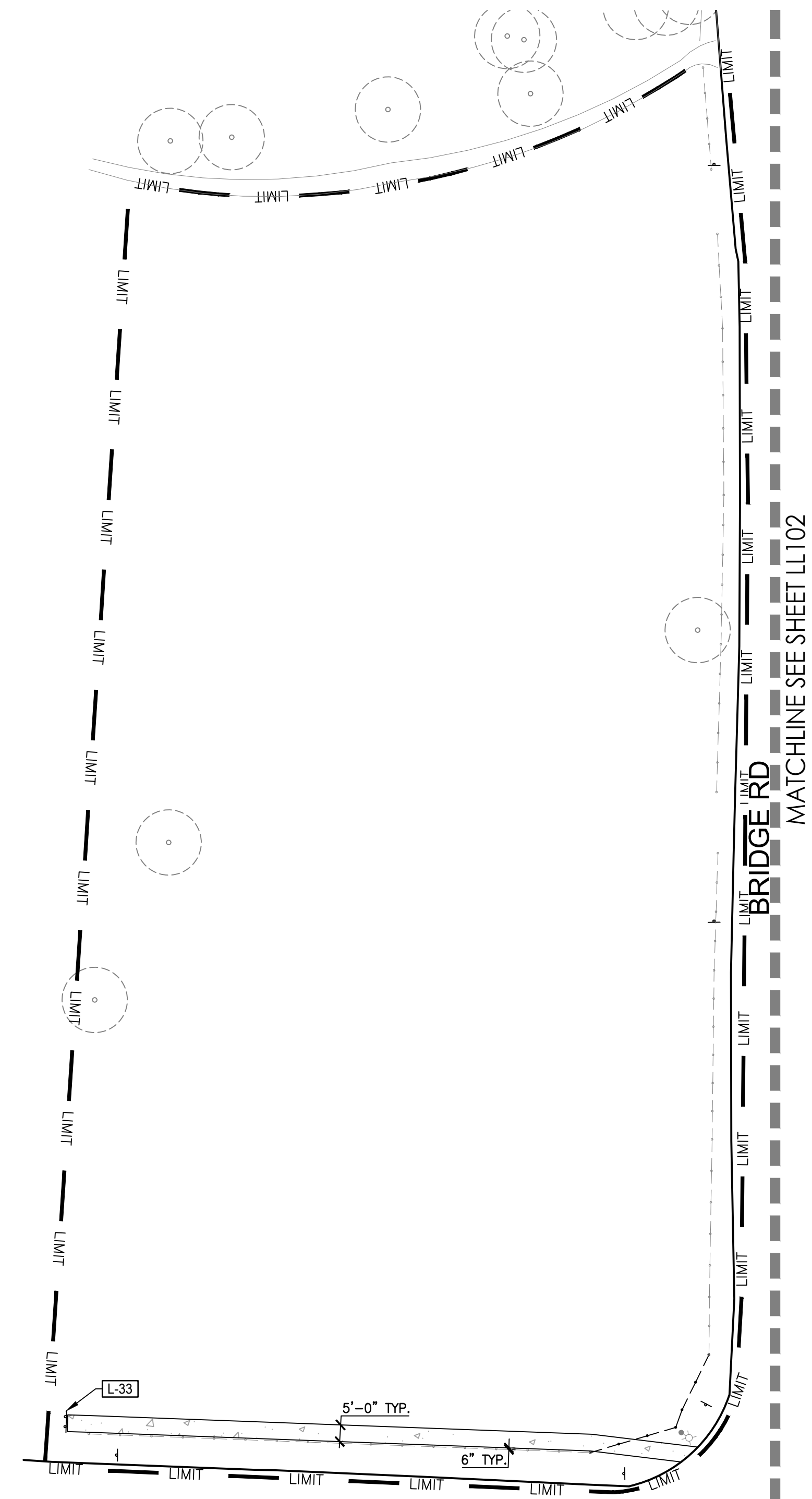
LAYOUT LEGEND

| SYMBOL | LAYOUT |
|--------|---------------------------------|
| AL | ALIGN |
| CL | CENTERLINE |
| EQ. | EQUAL SPACING |
| PA | PLANTER AREA, SEE PLANTING PLAN |
| PL | PROPERTY LINE |
| PUE | PUBLIC UTILITY EASEMENT |
| ROW | RIGHT OF WAY (AT BACK OF WALK) |
| TYP. | TYPICAL |
| --- | SCORE JOINT, TYP. |
| ---- | EXPANSION JOINT, TYP. |

LAYOUT SCHEDULE

| CODE | DESCRIPTION | QTY | DETAIL |
|------|---|----------|---------------------------|
| L-01 | ACCESSIBLE PARKING STALL AND STRIPING | 3 | 8/LL502 |
| L-02 | ACCESSIBLE PARKING SIGN | 3 | 7/LL502 |
| L-03 | DETECTABLE WARNING STRIP | - | CITY OF SAC STD DTL T-79 |
| L-04 | 6" CURB AT PARKING LOT | 1,290 LF | 10/LL502 |
| L-05 | 6" MOWCURB AT PLANTERS | 397 LF | 5/LL502 |
| L-06 | 12" FLUSH CURB AT FENCING | 2,046 LF | 3/LL503 |
| L-07 | 6" BACKED BENCH, MODEL #424 - ANGLED BENCH WITH BACK, AS MANUFACTURED BY OUTDOOR CREATIONS OR APPROVED EQUAL. COLOR: MEDIUM GRAY. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. | 5 | - |
| L-08 | 6" BACKLESS BENCH, MODEL #402 - CONCRETE FLAT BENCH, AS MANUFACTURED BY OUTDOOR CREATIONS OR APPROVED EQUAL. COLOR: MEDIUM GRAY. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. | 2 | - |
| L-09 | TRASH AND RECYCLING RECEPTACLES, MODEL #508 - CONCRETE WASTE RECEPTACLE WITH LOCKABLE LATCH HANDLE, AS MANUFACTURED BY OUTDOOR CREATIONS OR APPROVED EQUAL. COLOR TO BE: MEDIUM GRAY. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. | 6 | - |
| L-10 | DRINKING FOUNTAIN WITH JUG FILLER AND SUMP, MODEL 440 SMSS. COLOR: SILVER. AS MANUFACTURED BY MOST DEPENDABLE FOUNTAINS, OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. | 1 | CITY OF SAC STD DTL L-500 |
| L-11 | DRINKING FOUNTAIN WITH DOG BOWL, AND SUMP, MODEL 440 SMSS. COLOR: SILVER. AS MANUFACTURED BY MOST DEPENDABLE FOUNTAINS, OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. | 1 | CITY OF SAC STD DTL L-500 |
| L-12 | BASEBALL BASES. PATTERSON WILLIAMS ATHLETIC MFG., CO. 4-WAY PITCHING RUBBER, MODEL #8510-00.; HOME PLATE WITH ANCHOR, MODEL #8510-00.; COMPLETE SET OF 5 BASES, MODEL #8503-00. COMPLETE SET OF 3 GROUND ANCHORS, MODEL #8502-01. AVAILABLE THROUGH NORCAL OUTDOOR SUPPLY CO., CONTACT JEFF WHITMAN (925) 984-2075 | - | - |
| L-13 | BACKSTOP 30' HIGH CHAIN LINK FENCE | - | 1/LL503 |
| L-14 | POLY-CAP PROTECTIVE GUARD (ATTACH TO TOP OF 4' OUTFIELD FENCE) - PATTERSON-WILLIAMS ATHLETIC MFG. CO., POLY-CAP PROTECTIVE GUARD, MODEL #1270-25, ATTACH WITH NYLON TIES, MODEL 1270-15, COLOR: GREEN. AVAILABLE THROUGH DAVID O'KEEFE CO., JEFF WHITMAN (925)-4404. SEE PLAN FOR LENGTH REQUIRED TO COVER OUTFIELD FENCING. | 760 LF | - |
| L-15 | 8' PLAYERS BENCH. PATTERSON WILLIAMS MFG. CO., DUGOUT PLAYERS BENCH WITH SHELF, 8' BENCH WITH BACK, MODEL #1176-08A; SURFACE MOUNTED, ALUMINUM. AVAILABLE THROUGH NORCAL OUTDOOR SUPPLY CO., CONTACT JEFF WHITMAN, (925) 984-2075. COLOR: NONE. | 4 | - |
| L-16 | BASEBALL BAT RACK. PATTERSON WILLIAMS ATHLETIC MFG. CO., BAT RACK HOLDER FOR 8 BATS, MODEL #1280-08P, IN-GROUND MOUNT, FINISH: ALUMINUM. AVAILABLE THROUGH NORCAL OUTDOOR SUPPLY CO., CONTACT JEFF WHITMAN, (925) 984-2075. COLOR: SLATE GRAY. | 2 | - |
| L-17 | SCORER'S TABLE. PATTERSON WILLIAMS ATHLETIC MFG. CO., CUSTOM 8' ADA ALUMINUM TABLE WITH 6' BENCH, MODEL #1178-08A, ALUMINUM FRAME, SURFACE MOUNTED, ANODIZED SEAT/TOP PLANKS. AVAILABLE THROUGH NORCAL OUTDOOR SUPPLY CO., CONTACT JEFF WHITMAN (925) 984-2075. | 1 | - |
| L-18 | STORAGE CONTAINER - KNAACK JOBMASTER CHEST, 16 C.F., 48" WIDE X 24" DEEP X 28" HIGH, MODEL NO. 4824, AVAILABLE FROM EMERSON PROFESSIONAL TOOLS, (800) 456-7865. | 2 | - |
| L-19 | FOUL BALL POLE: LA STEELCRAFT PRODUCTS, INC., MODEL #FLP-20 CUSTOM FLAG POLE, 4-1/2 O.D. FOUL BALL POLE WITH DUAL SWING SETS, EACH WING STARTS 8' ABOVE GRADE, IN-GROUND MOUNT, POWDER COAT FINISH, WITH LA STEELCRAFT PRODUCTS, INC. POST PAD, MODEL #PP-745, 7' HIGH. AVAILABLE THROUGH NORCAL OUTDOOR SUPPLY CO., CONTACT JEFF WHITMAN (925) 984-2075. POWDER COAT COLOR: YELLOW. POST PAD COLOR: GREEN. | 2 | - |
| L-21 | 8-ROW BLEACHER. BELSON OUTDOORS, 8-ROW QUALITY SERIES BLEACHERS, 21' LONG, ALUMINUM FRAME W/ GALVANIZED STREET PICKET GUARDRAIL, MODEL #BNR-280 ADA COMPLAINT (HC), AVAILABLE THROUGH BELSON OUTDOORS, VANESSA MORALES (800) 525-5664. CONTRACTOR TO PROVIDE ANCHOR BOLTS SURFACE MOUNTED INSTALLATION. | 2 | - |
| L-22 | POST AND CABLE FENCE. CONNECT TO EXISTING POST AND CABLE | 50 LF | 9/LL502 |
| L-23 | 10' HIGH COURT FENCING. PLASTICIZED CHAIN LINK WITH BLACK COATING AND BLACK SCREEN. | 215 LF | 7/LL501 |
| L-24 | 8' HIGH CHAIN LINK FENCE | 508 LF | 4/LL501 |
| L-25 | 6' HIGH CHAIN LINK FENCE | 255 LF | 4/LL501 |
| L-26 | 4' HIGH CHAIN LINK FENCE. | 1,004 LF | 4/LL501 |
| L-27 | 4' X 4' ENTRANCE GATE | 1 | 9/LL501 |
| L-28 | 4' WIDE CHAINLINK DUGOUT GATE | 2 | 5/LL501 |
| L-29 | 8' WIDE DOUBLE MAINTENANCE GATES | 1 | 6/LL501 |
| L-30 | 12' WIDE DOUBLE MAINTENANCE GATES | 2 | 6/LL501 |
| L-31 | CITY OF SACRAMENTO PARK ENTRY SIGN, MODEL #707, AS MANUFACTURED BY OUTDOOR CREATIONS OR APPROVED EQUAL. COLOR: MEDIUM GRAY. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. | 1 | - |
| L-32 | PARK RULE SIGN TO INSTALL ON POST PER DETAIL T-270 OF THE CITY STANDARD SPECIFICATIONS. RULE SIGN PROVIDED BY CITY. | 1 | - |
| L-33 | SIDEWALK BARRICADE PER CITY STD DTL #T-103 | 1 | - |
| L-34 | BASKETBALL COURT SIGN | 1 | - |
| L-35 | PICKLEBALL COURT SIGN | 1 | - |
| L-36 | FIELD 1 SIGN | 1 | - |
| L-37 | FIELD 2 SIGN | 1 | - |
| L-38 | PICKLEBALL NETTING PATTERSON WILLIAMS MODEL #8354. PICKLEBALL POST PATTERSON WILLIAMS MODEL #2202.11P. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. | 4 | - |
| L-39 | BASKETBALL HOOP. PATTERSON MODEL #1590. INSTALL PER MANUFACTURER'S RECOMMENDATIONS | 2 | - |

| SYMBOL | LAYOUT | QTY | DETAIL |
|--------|---|------------|---------|
| | CONCRETE | 13,490 SF | 2/LL501 |
| | ASPHALT PARKING. -UPDATE- REMOVE EXISTING TOP LAYER OF ASPHALT AND REPAVE. | 30,931 SF | 1/LL501 |
| | PEDESTRIAN PAVERS. BELGARD HARDSCAPES HOLLAND B 90 DEGREE HERRINGBONE PATTERN. COLOR: VICTORIAN | 1,781 SF | 6/LL502 |
| | BASKETBALL ASPHALT PAVING AND STRIPING. | 7,280 SF | 1/LL504 |
| | PICKLEBALL COURT PAVING AND STRIPING. COLORS: INTERIOR PLAY SURFACE - TBD; EXTERIOR SURFACE: TBD. | 10,291 SF | 4/LL503 |
| | DECOMPOSED GRANITE | 1,937 SF | 1/LL502 |
| | SKINNED INFIELD MIX COMPACTED TO 4" DEPTH | 10,620 SF | 4/LL502 |
| | TURF | 155,063 SF | 2/LP501 |

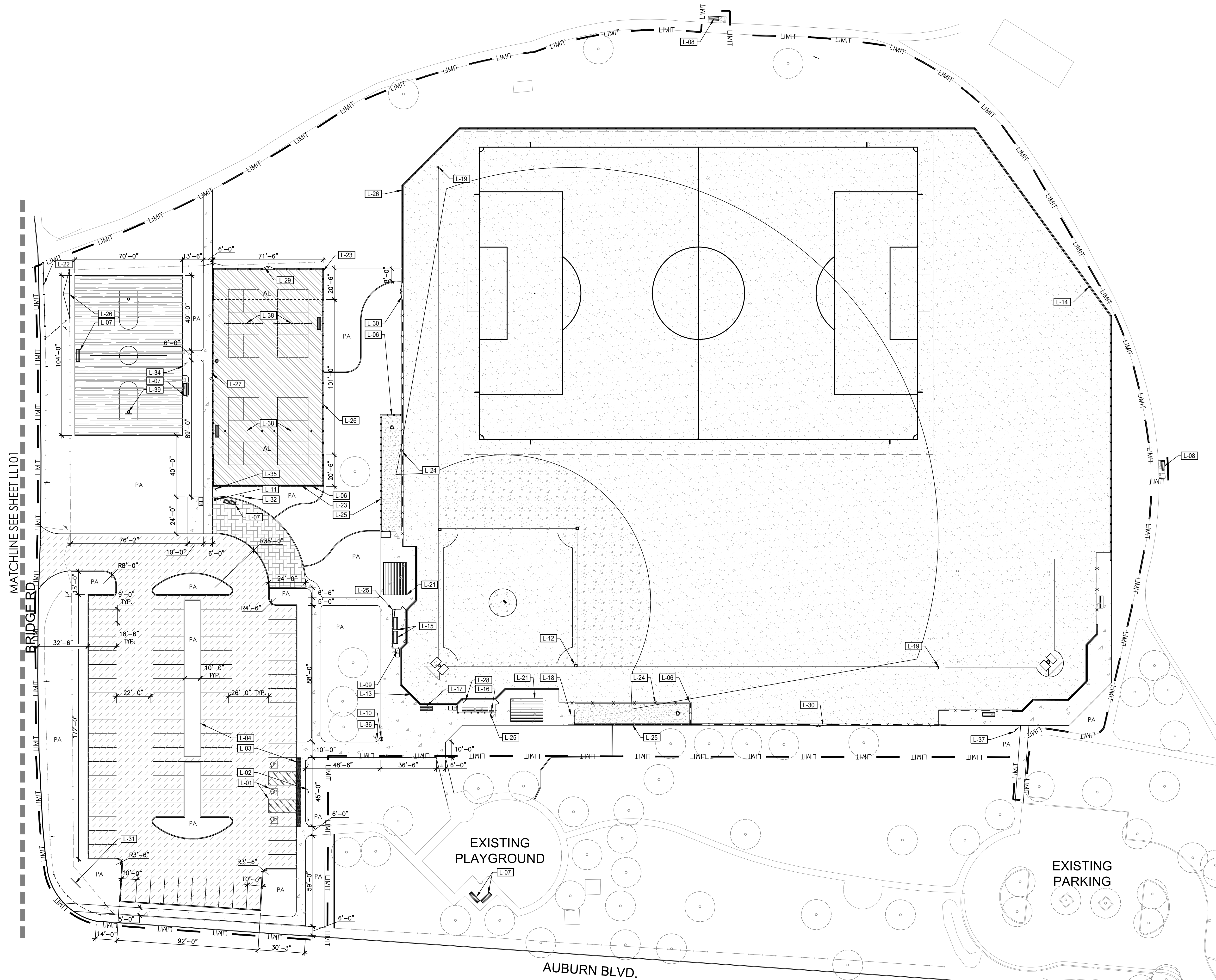


SEE DRAWING LL501 THROUGH LL504 FOR LAYOUT DETAILS

SEE DRAWING CV001 FOR GENERAL NOTES



Know what's below. Call before you dig.

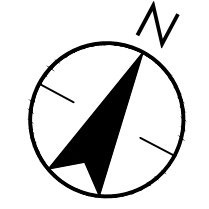


MATCHLINE SEE SHEET LL101

BRIDGE RD


AUBURN BLVD.

- SEE DRAWING CV001 FOR GENERAL NOTES
- SEE DRAWING LL501 THROUGH LL504 FOR LAYOUT DETAILS
- SEE DRAWING LL101 FOR LAYOUT LEGEND AND NOTES



0 30' 45' 60'

SCALE: 1" = 30'-0"



811

Know what's below.
Call before you dig.

RENFREE FIELD RENOVATION
DEL PASO REGIONAL PARK
 LAYOUT PLAN

DESIGN BY: **Stantec**

DATE: 05.01.2023

SCALE: 1" = 30'-0"

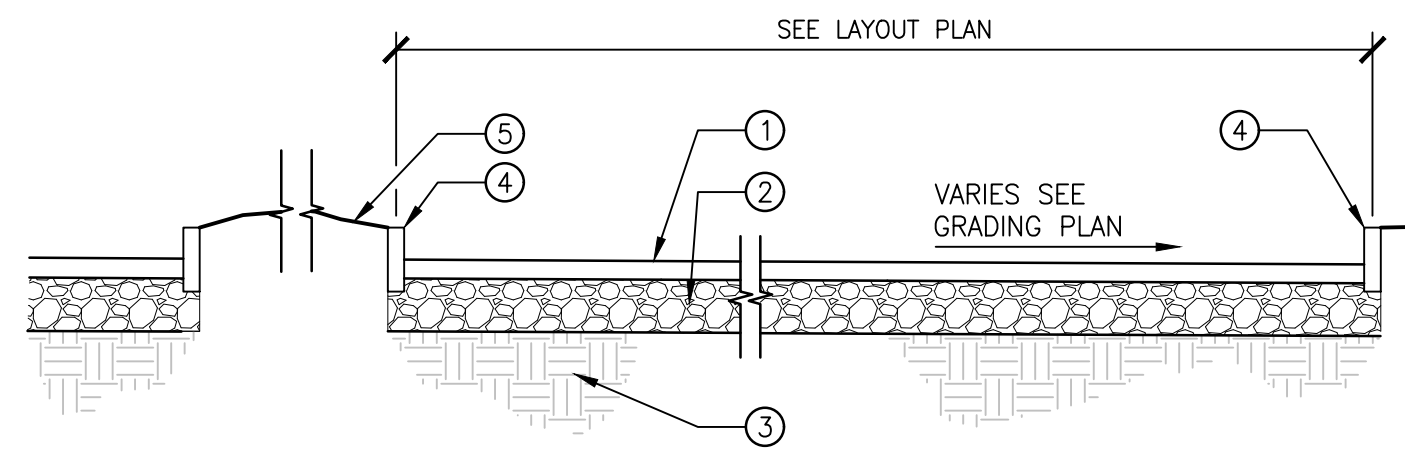
P. N. LL19-3000-02

REVISIONS

PRELIMINARY
 NOT FOR CONSTRUCTION

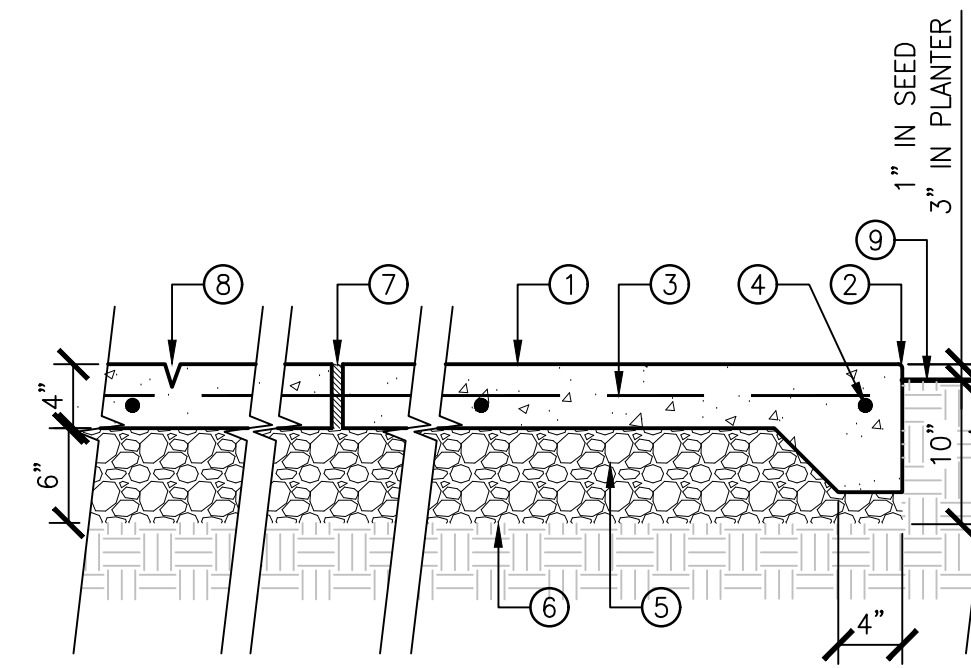
SHEET NO.
LL102 of XX

RENFREE FIELD RENOVATION DEL PASO REGIONAL PARK (L19300002)

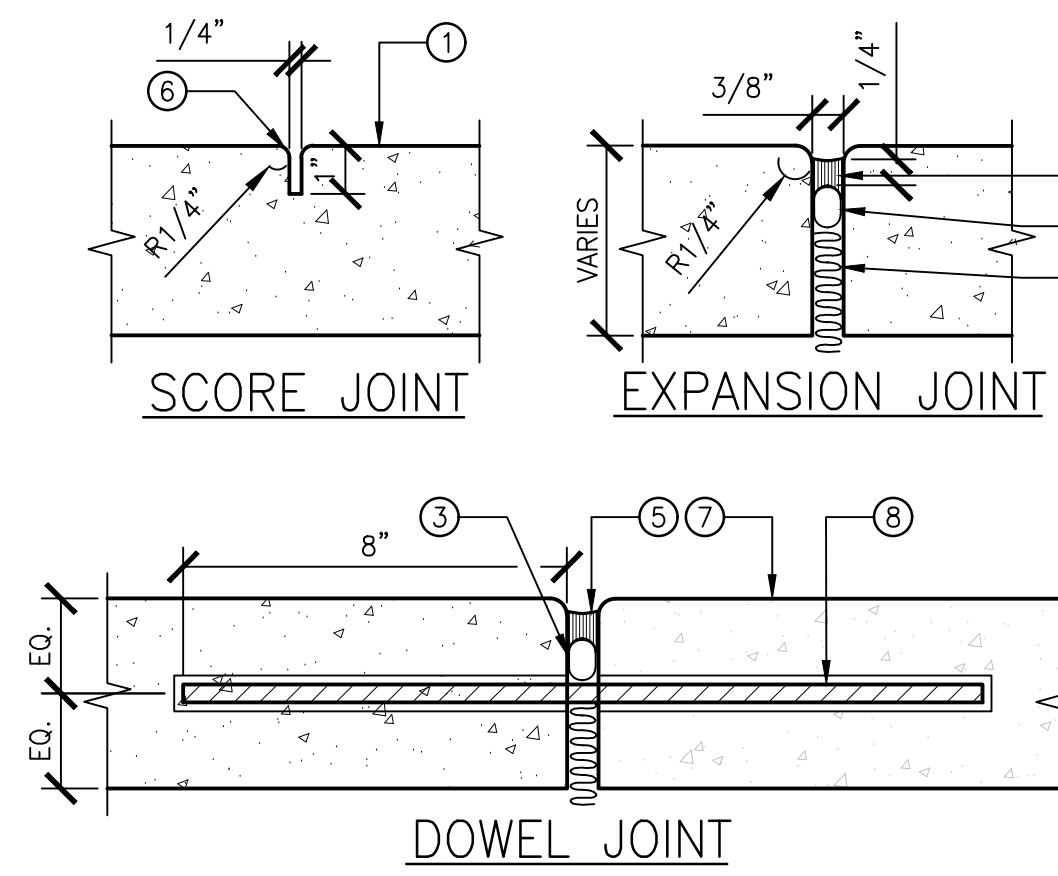


- ① 3" ASPHALT CONCRETE
- ② 9" AGGREGATE BASE, SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DRY DENSITY PER GEOTECHNICAL REPORT. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
- ③ COMPACTED SUBGRADE, SUBGRADE SHALL BE UNIFORMLY MOISTURE CONDITIONED TO ACHIEVE OPTIMUM MOISTURE AND COMPACTED TO AT LEAST 90% OF THE ASTM D1557 MAXIMUM DRY DENSITY PER GEOTECHNICAL REPORT. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
- ④ TYPE 2 CURB W/ GUTTER OR TYPE 2 CURB W/O GUTTER. SEE LAYOUT PLAN.
- ⑤ ADJACENT PLANTER

NOTES:
 A. DESIGN TRAFFIC INDEX IS 4.5.
 B. REFER TO GEOTECHNICAL REPORT.



- ① CONCRETE PAVING, MEDIUM BROOM FINISH, PERPENDICULAR TO MAIN DIRECTION OF TRAVEL, UNLESS OTHERWISE NOTED ON PLANS. CROSS SLOPE 1% MIN. SEE LAYOUT PLAN FOR LOCATIONS OF SCORE JOINTS AND EXPANSION JOINTS.
- ② 1/2" RADIUS, TYP.
- ③ #3 REBAR AT 24" O.C. BOTH WAYS, CENTERED IN SLAB.
- ④ THICKENED EDGE WITH #3 HORIZ. REBAR, TYP.
- ⑤ CLASS II AGGREGATE BASE, COMPACTED PER GEOTECHNICAL REPORT.
- ⑥ COMPACTED SUBGRADE PER GEOTECHNICAL REPORT.
- ⑦ FELT EXPANSION JOINT MATERIAL: 3/8" ALONG FULL DEPTH OF CONCRETE.
- ⑧ TOOLED SCORE JOINT: 1/4" MAXIMUM WIDTH.
- ⑨ FINISH GRADE.



- ① CONCRETE PAVING
- ② SEALANT.
- ③ COMPRESSIBLE BACKER ROD, 3/8" THICK EXPANSION MATERIAL.
- ④ FELT EXPANSION JOINT MATERIAL.
- ⑤ 3/8" EXPANSION JOINT, SPACING PER PLANS.
- ⑥ TOOLED CONTROL JOINT, 1/4" WIDTH, 1" DEEP.
- ⑦ EXISTING CURB OR PAVING.
- ⑧ #3 SMOOTH DOWEL (GREASED) 18" O.C., CENTERED IN SLAB. ROTO HAMMER AND MORTAR DOWEL INTO EXISTING CONCRETE.

NOTES:
 A. SEE LAYOUT FOR JOINT LOCATIONS AND COORDINATE PRIOR TO POUR.

1 ASPHALT PAVING, TYPICAL SECTION
 SCALE: 1" = 1'-0"

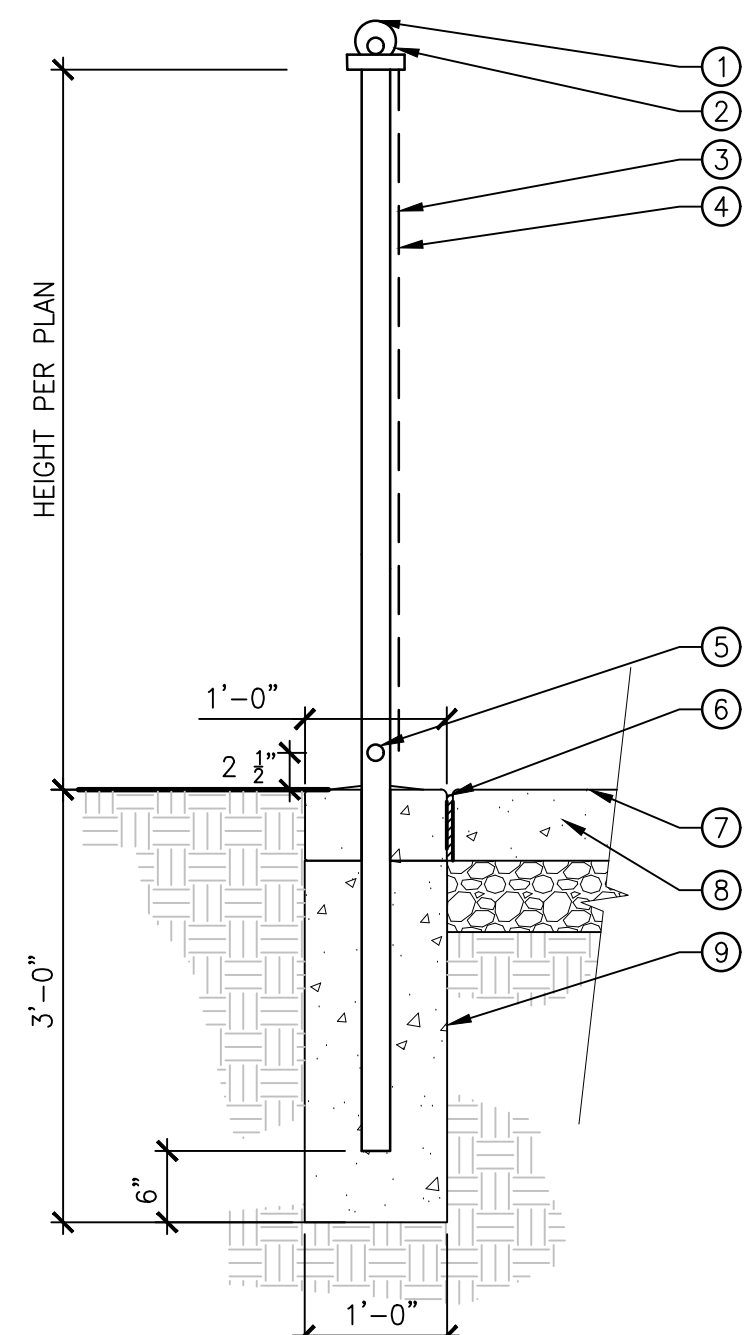
SECTION
 PROJ-DEL-26

2 CONCRETE PAVING W/REBAR
 SCALE: 1" = 1'-0"

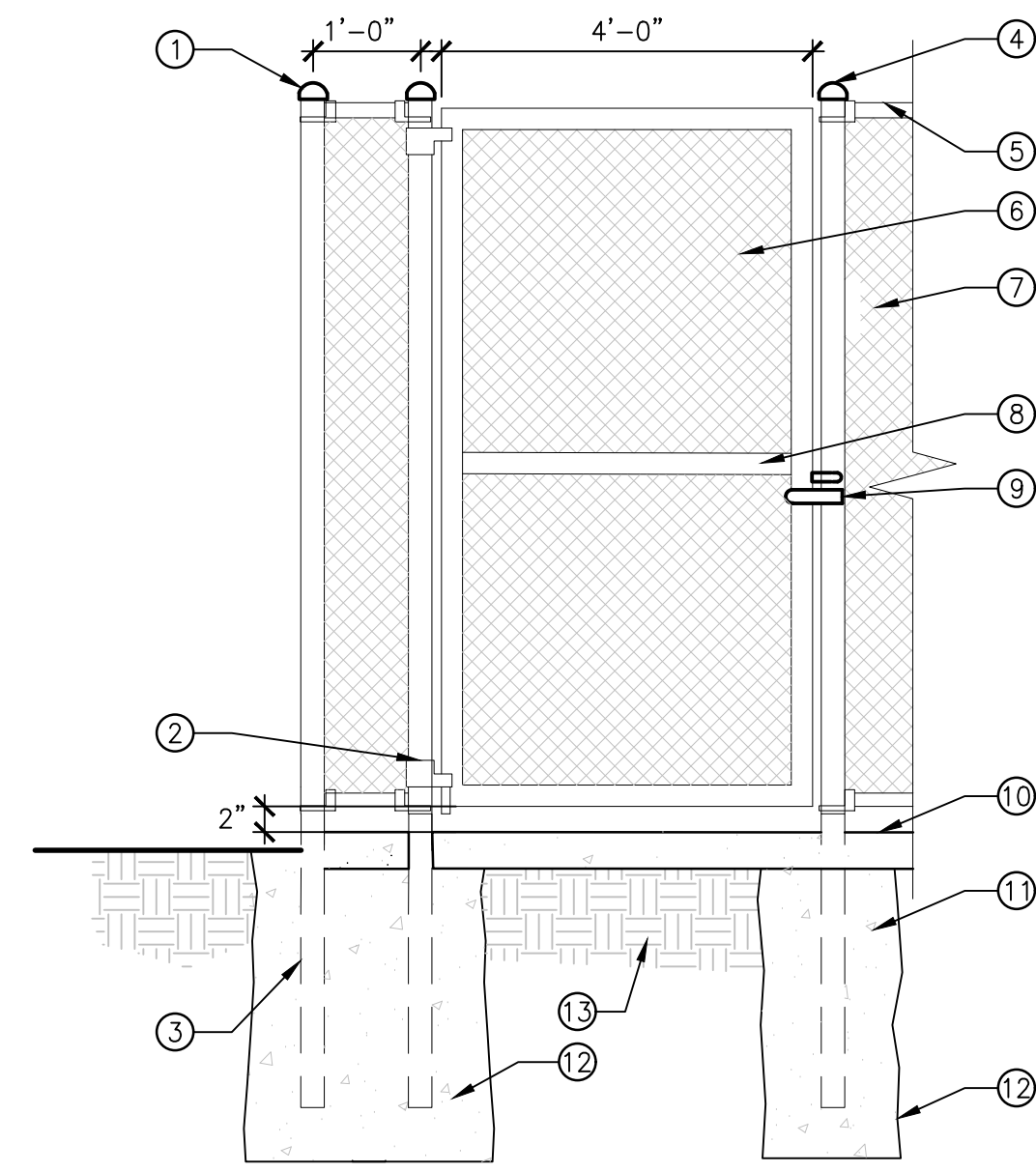
SECTION
 PROJ-DEL-12

3 CONCRETE JOINTS
 SCALE: NTS

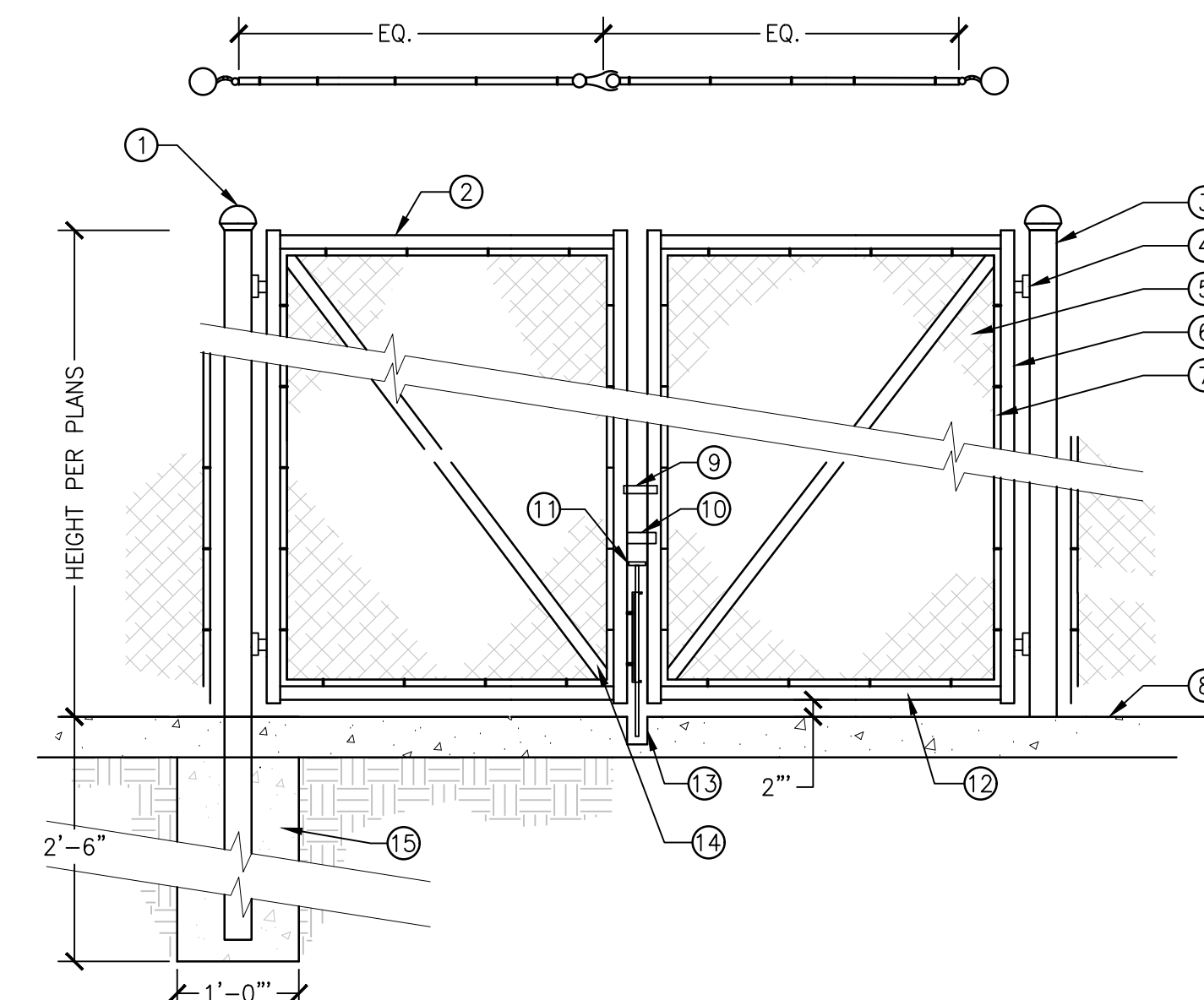
SECTION
 PROJ-DEL-13



- ① STANDARD EYE-TOPS @ POSTS
- ② TOP RAIL, PER SPECS
- ③ CHAIN LINK FABRIC, PER SPECS. PLACE FABRIC ON BALLFIELD SIDE.
- ④ LINE/END POST LOCATE IN CENTER OF CONCRETE STRIP. SPACING AT 10'-0" O.C.
- ⑤ BOTTOM RAIL
- ⑥ PLACE EXPANSION JOINT BETWEEN MOW STRIP AND CONCRETE PAVEMENT, WHERE APPLICABLE
- ⑦ FINISH GRADE
- ⑧ CONCRETE MOW STRIP SEE PLAN FOR LOCATION
- ⑨ CONCRETE FOOTING



- ① SET POST PLUMB, TYPICAL
- ② HEAVY DUTY HINGE 2 PER GATE, TYP.
- ③ GATE POST PER SPECS.
- ④ 2.875" TERMINAL POST
- ⑤ 1.660" HORIZONTAL SUPPORT POST, TOP AND BOTTOM OF PANEL.
- ⑥ PEDESTRIAN GATE
- ⑦ 42" WIDE GATE FRAME WITH GALVANIZED CHAIN LINK FABRIC.
- ⑧ CROSS SUPPORT
- ⑨ PROVISION FOR PAD LOCK
- ⑩ CONCRETE FLATWORK.
- ⑪ EXTENDED POST & CONCRETE FOOTING FOR TERMINAL POST ONLY.
- ⑫ CONCRETE FOOTING & TERMINAL POST.
- ⑬ COMPACTED SUBGRADE



- ① GATE POST
- ② TOP RAIL, TYP.
- ③ GATE POST
- ④ POST HINGE, 2 PER GATE
- ⑤ CHAINLINK FABRIC
- ⑥ GATE FRAME
- ⑦ TENSION BAR
- ⑧ CONCRETE MOWSTRIP
- ⑨ STRIKE PLATE
- ⑩ FULCRUM LATCH WITH PROVISIONS FOR PAD LOCK
- ⑪ DROP BAR
- ⑫ BOTTOM RAIL
- ⑬ CORE DRILL HOLE IN CONCRETE MOWBAND TO RECEIVE DROP BAR
- ⑭ TRUSS ROD WITH TURN BUCKLES, PER SPECS.
- ⑮ CONCRETE FOOTING

4 CHAIN LINK FENCE
 SCALE: 3/4" = 1'-0"

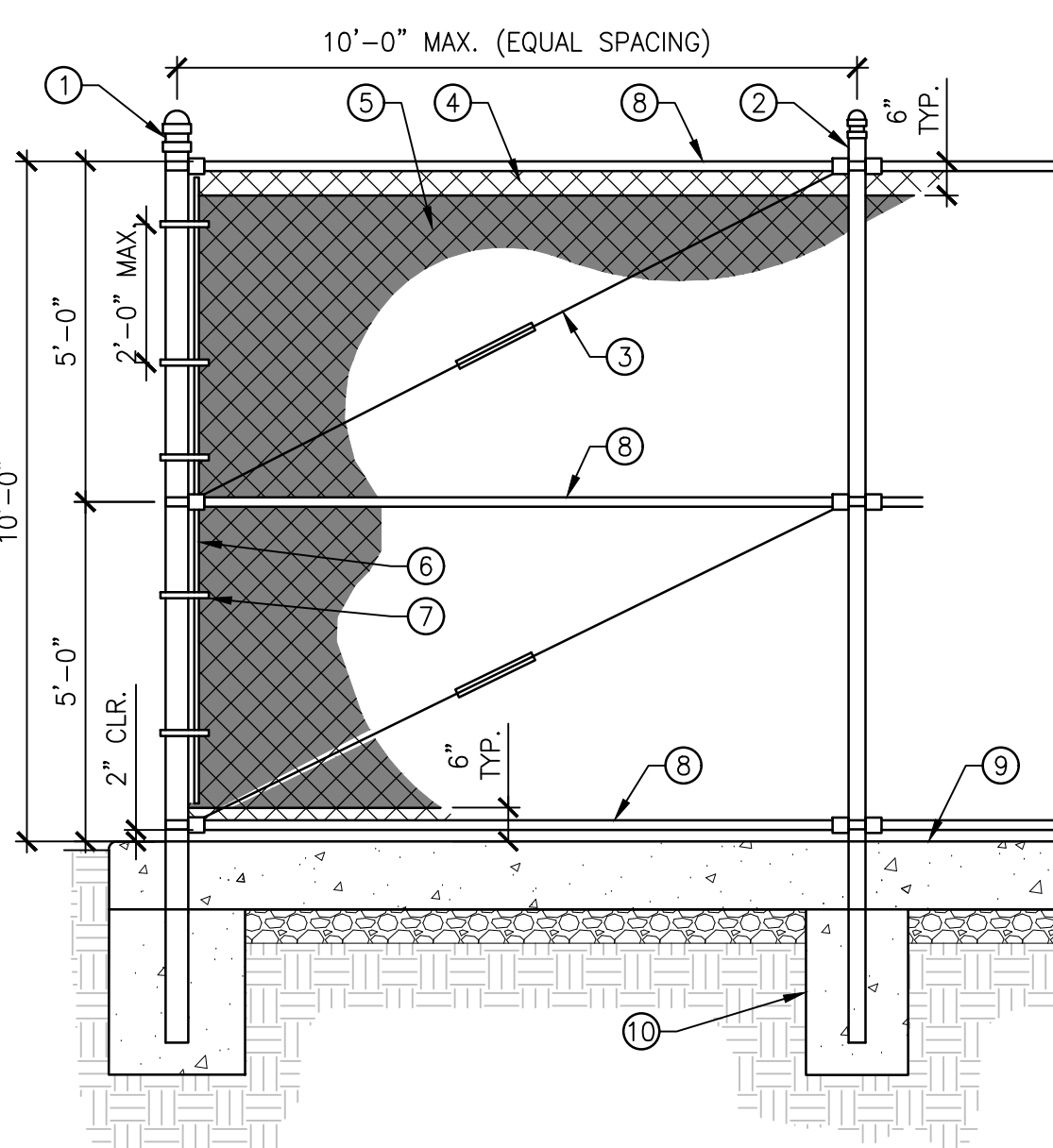
SECTION
 PROJ-DEL-26

5 CHAINLINK DUGOUT GATE
 SCALE: 1/2" = 1'-0"

SECTION
 PROJ-DEL-12

6 DOUBLE MAINTENANCE GATES
 SCALE: 3/4" = 1'-0"

SECTION
 PROJ-DEL-13

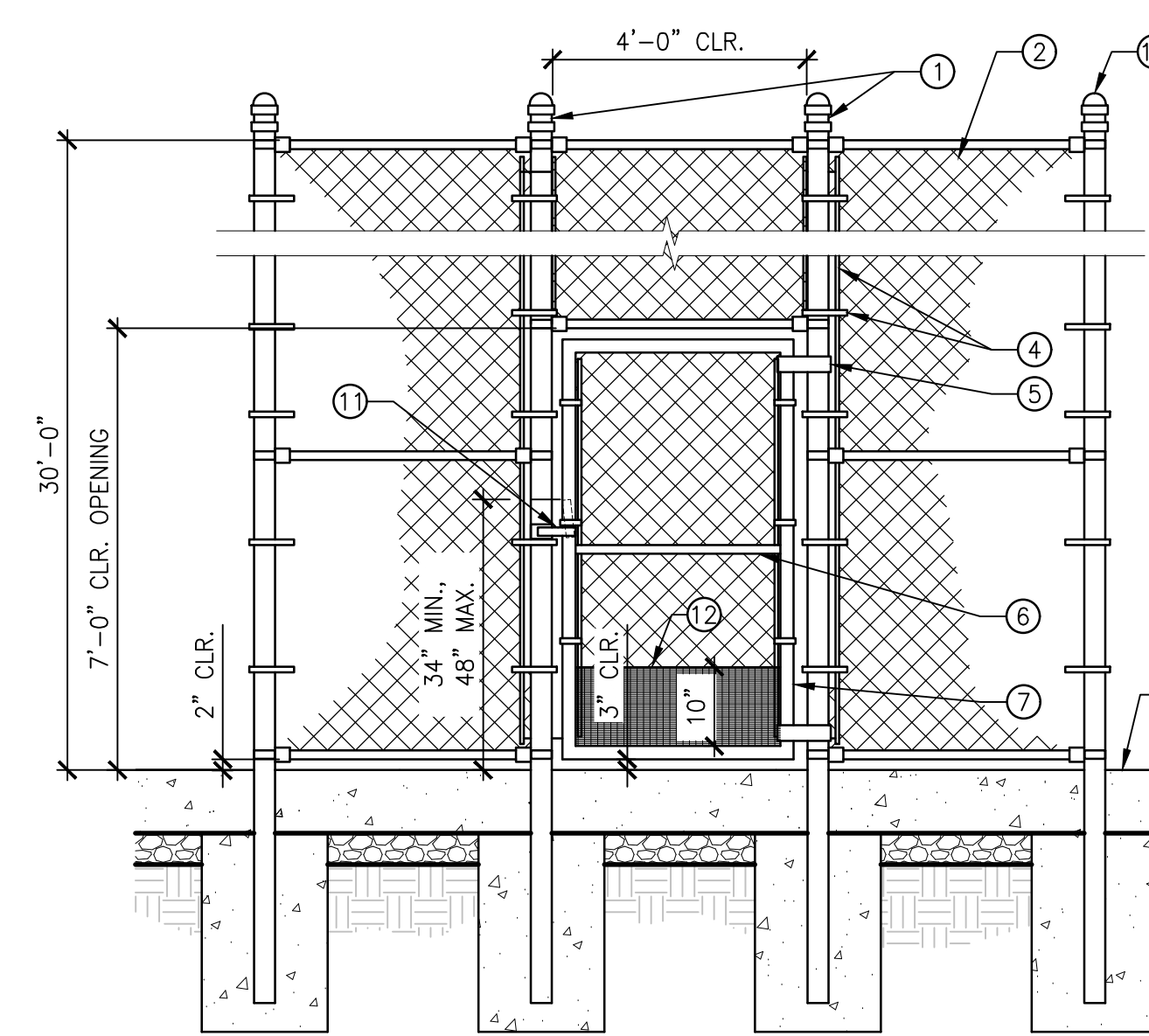


- ① END CORNER POSTS 4" O.D. NOMINAL PIPE SIZE
- ② LINE POSTS, 4" O.D. NOMINAL PIPE SIZE, TYP.
- ③ TENSION ROD W/ TURN BUCKLE, TYP.
- ④ FABRIC MESH INSTALLED ON INSIDE OF ALL COURTS. TIE TO ALL HORIZONTAL RAILS AT 12" MAX. SPACING, SEE SPECS
- ⑤ 9' OPEN MESH WINDSCREEN INSTALLED ON COURTS SIDE, TYP. SEE SPECS
- ⑥ FLAT STRETCHER BAR, TYP.
- ⑦ BANDS, MAX 24" SPACING.
- ⑧ TOP, BOTTOM, AND MIDDLE RAIL 1.66" O.D. NOMINAL PIPE SIZE, TYP.
- ⑨ PERIMETER CONCRETE CURB FLUSH WITH COURT SURFACE. SEE STRUCTURAL PLANS
- ⑩ CONCRETE FOOTING, SEE STRUCTURAL PLANS

NOTES:
 A. ALL CHAIN LINK GATES, POSTS, PLATES, RAILS, FRAMES, AND HARDWARE SHALL BE PER SPEC SECTION 32.31.13
 B. REFER TO MASTER COLOR SCHEDULE ON SHEET L2.01 FOR FINISH.
 C. SHOP DRAWINGS REQUIRED.
 D. PERMIT REQUIRED.

7 10' CHAIN LINK FENCE
 SCALE: 3/8" = 1'-0"

SECTION
 PROJ-DEL-26

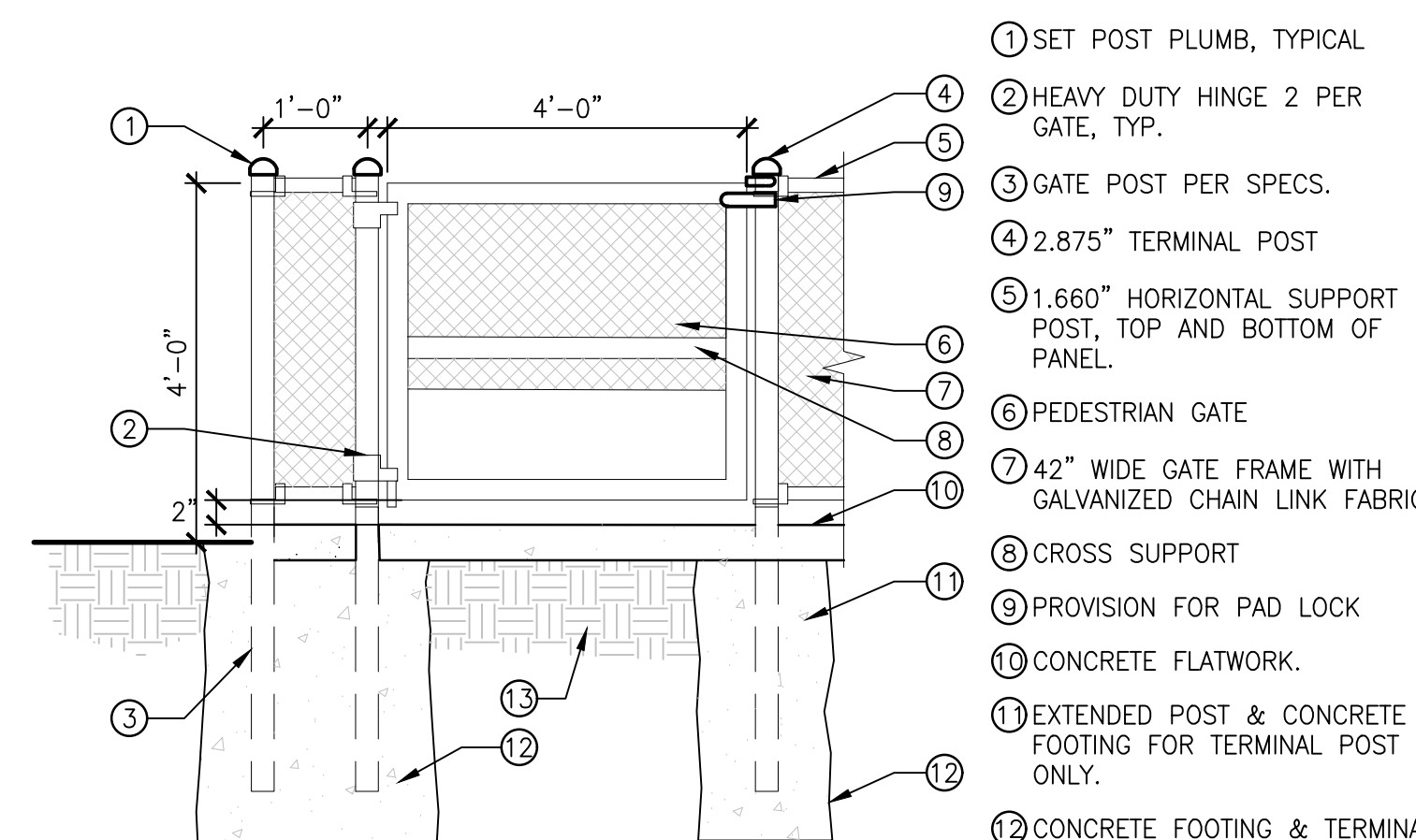


- ① 4" O.D. NOMINAL PIPE SIZE, TYP.
- ② FABRIC MESH INSTALLED ON INSIDE OF ALL COURTS. TIE TO ALL HORIZONTAL RAILS AT 12" MAX. SPACING, SEE SPECS
- ③ 1/4" x 3/4" BANDS AND FLAT STRETCHER BAR AT END AND CORNER POST, TYP.
- ④ STD. 90° GATE HINGE, OPEN OUTWARDS
- ⑤ BRACE 1.66" O.D. NOMINAL PIPE SIZE, TYP.
- ⑥ GATE FRAME. 2" O.D. NOMINAL PIPE SIZE, TYP.
- ⑦ FINISHED GRADE OF PERIMETER CONCRETE CURB
- ⑧ CONCRETE FOOTING, SEE DETAIL 2, THIS SHEET AND STRUCTURAL PLANS
- ⑨ POST CAP, TYP. SEE SPECS.
- ⑩ ADA STANDARD GALVANIZED STEEL LOCKABLE GATE LATCH, BOTH SIDES OF GATE
- ⑪ 3/16" GALVANIZED KICK PLATE, WELD ON PUSH SIDE OF GATE. GRIND EDGES SMOOTH PRIOR TO GALVANIZING.

NOTES:
 A. SHOP DRAWINGS ARE REQUIRED.
 B. PERMIT REQUIRED.

8 SINGLE GATE AT BACKSTOP
 SCALE: 3/8" = 1'-0"

SECTION
 PROJ-DEL-26

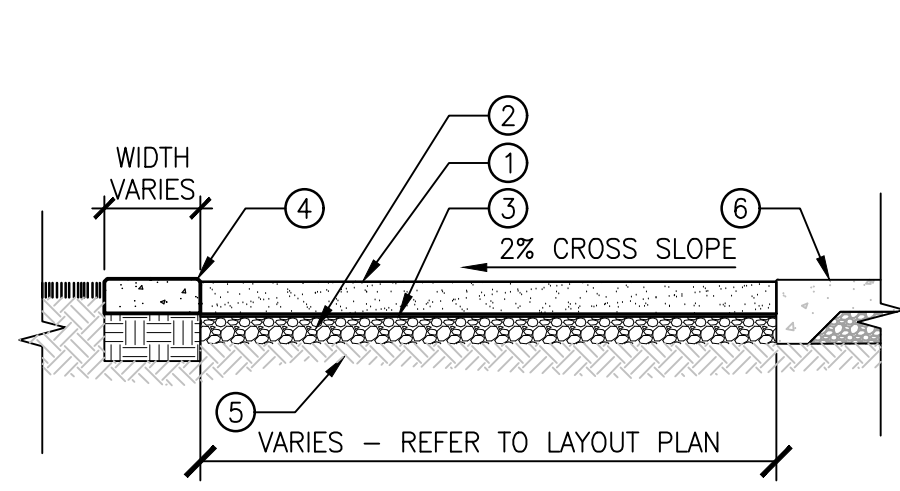


- ① SET POST PLUMB, TYPICAL
- ② HEAVY DUTY HINGE 2 PER GATE, TYP.
- ③ GATE POST PER SPECS.
- ④ 2.875" TERMINAL POST
- ⑤ 1.660" HORIZONTAL SUPPORT POST, TOP AND BOTTOM OF PANEL.
- ⑥ PEDESTRIAN GATE
- ⑦ 42" WIDE GATE FRAME WITH GALVANIZED CHAIN LINK FABRIC.
- ⑧ CROSS SUPPORT
- ⑨ PROVISION FOR PAD LOCK
- ⑩ CONCRETE FLATWORK.
- ⑪ EXTENDED POST & CONCRETE FOOTING FOR TERMINAL POST ONLY.
- ⑫ CONCRETE FOOTING & TERMINAL POST.
- ⑬ COMPACTED SUBGRADE

9 4' X 4' PICKLEBALL GATE
 SCALE: 1/2" = 1'-0"

SECTION
 PROJ-DEL-26

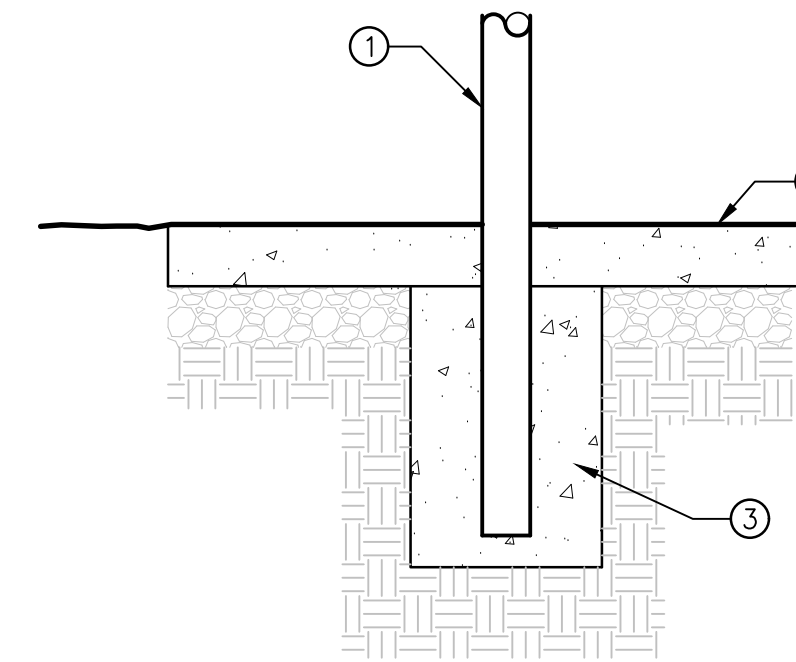




- 1 DECOMPOSED GRANITE: 4" DEPTH W/ STABILIZER, FLUSH WITH CONCRETE. INSTALL IN (2) 2" LIFTS.
- 2 CLASS II AGGREGATE BASE, COMPACTED PER GEOTECHNICAL REPORT
- 3 SOIL PREPARATION FABRIC MIRAFI 140-N OR EQUAL.
- 4 ADJACENT 6" OR 12" CONCRETE MOWBAND, REFER TO LAYOUT PLAN.
- 5 COMPACTED SUBGRADE TO 95% RELATIVE COMPACTION.
- 6 ADJACENT CONCRETE PAVING.

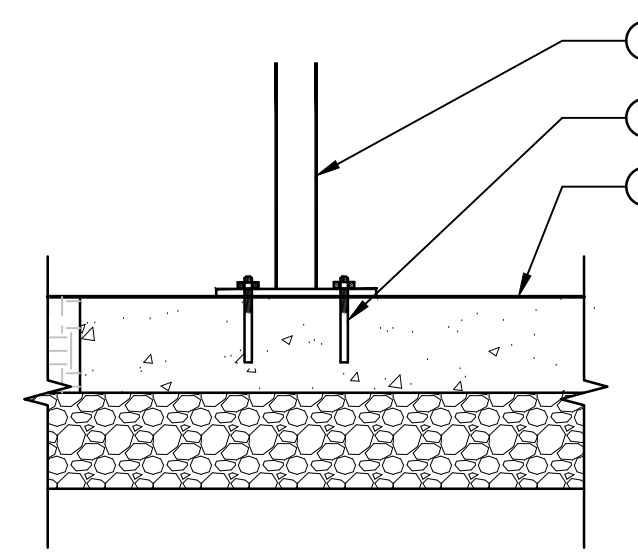
NOTES:
A. SEE SPECS. FOR ADDITIONAL INFORMATION.

1 DECOMPOSED GRANITE PAVING
SCALE: 1/2" = 1'-0"



- 1 SITE FURNISHINGS POST
- 2 CONCRETE PAVEMENT
- 3 CONCRETE FOOTING PER MANUFACTURER'S RECOMMENDATIONS

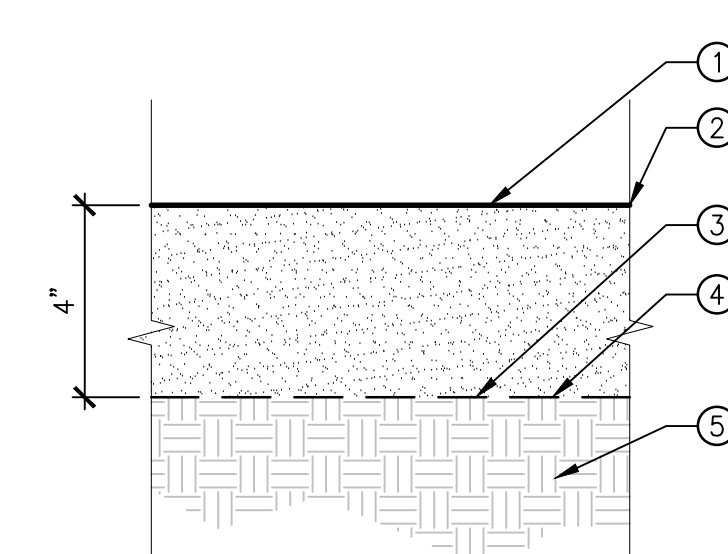
2 IN-GROUND MOUNT
SCALE: N.T.S.



- 1 FURNITURE TO BE BOLTED.
- 2 1/2" DIA. COVERT INJECTION ADHESIVE ANCHOR BOLTS. 2-1/2" MIN. IMBEDMENT.
- 3 FINISH GRADE OF PAVEMENT.

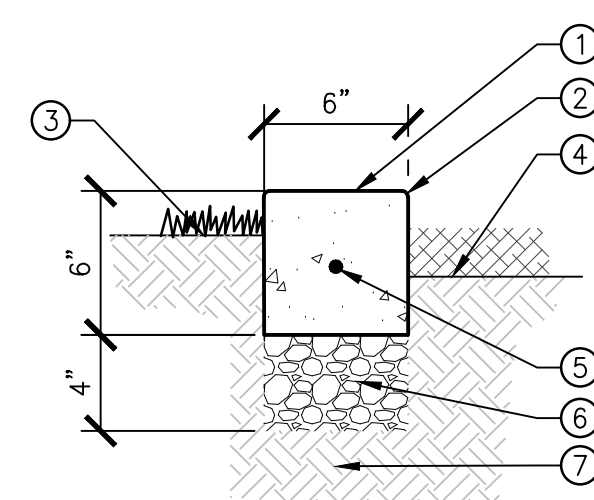
NOTES:
A. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION AND MOUNTING INSTRUCTIONS.

3 SURFACE MOUNT
SCALE: 1" = 1'-0"



- 1 INFIELD MIX (SEE SPECIFICATIONS)
- 2 FINISH GRADE SEE PLAN
- 3 LANDSCAPE WEED FABRIC
- 4 RAKE OUT ALL STONES EXPOSED ON SURFACE THAT ARE GREATER THAN 1" IN ANY DIRECTION
- 5 SUBGRADE COMPACTED TO 90%

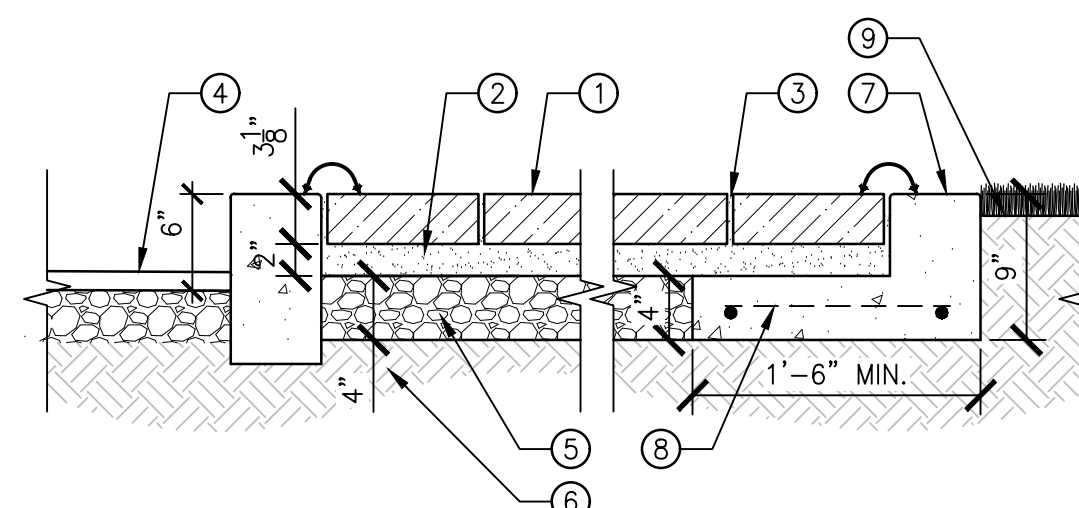
4 INFIELD MIX
SCALE: 3" = 1'-0"



- 1 CONCRETE MOWBAND WITH MEDIUM BROOM FINISH. INSTALL FIBER EXPANSION JOINTS AT ADJACENT PAVING. INSTALL SCORE JOINTS AT 10'-0" O.C. MAX.
- 2 1/4" RADIUS EDGE, TYP.
- 3 FINISH GRADE.
- 4 FINISH GRADE OF PLANTER AREA WITH MULCH. HOLD 3" BELOW TOP OF MOWBAND.
- 5 #4 HORIZONTAL REBAR, CONTINUOUS.
- 6 CLASS II AGGREGATE BASE, COMPACTED PER GEOTECHNICAL REPORT.
- 7 COMPACTED SUBGRADE PER GEOTECHNICAL REPORT.

NOTE: INSTALL MOW BAND TO EXTENT OF PUE. ADJACENT RESIDENTIAL FENCE FOOTING AND POST SHALL BE INSTALLED THE PUE.

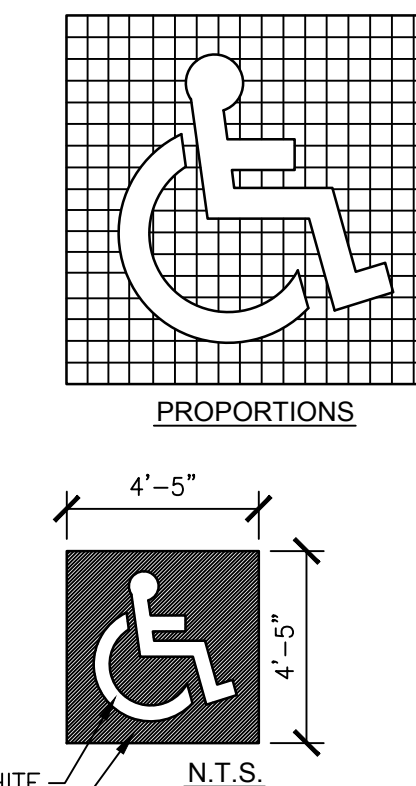
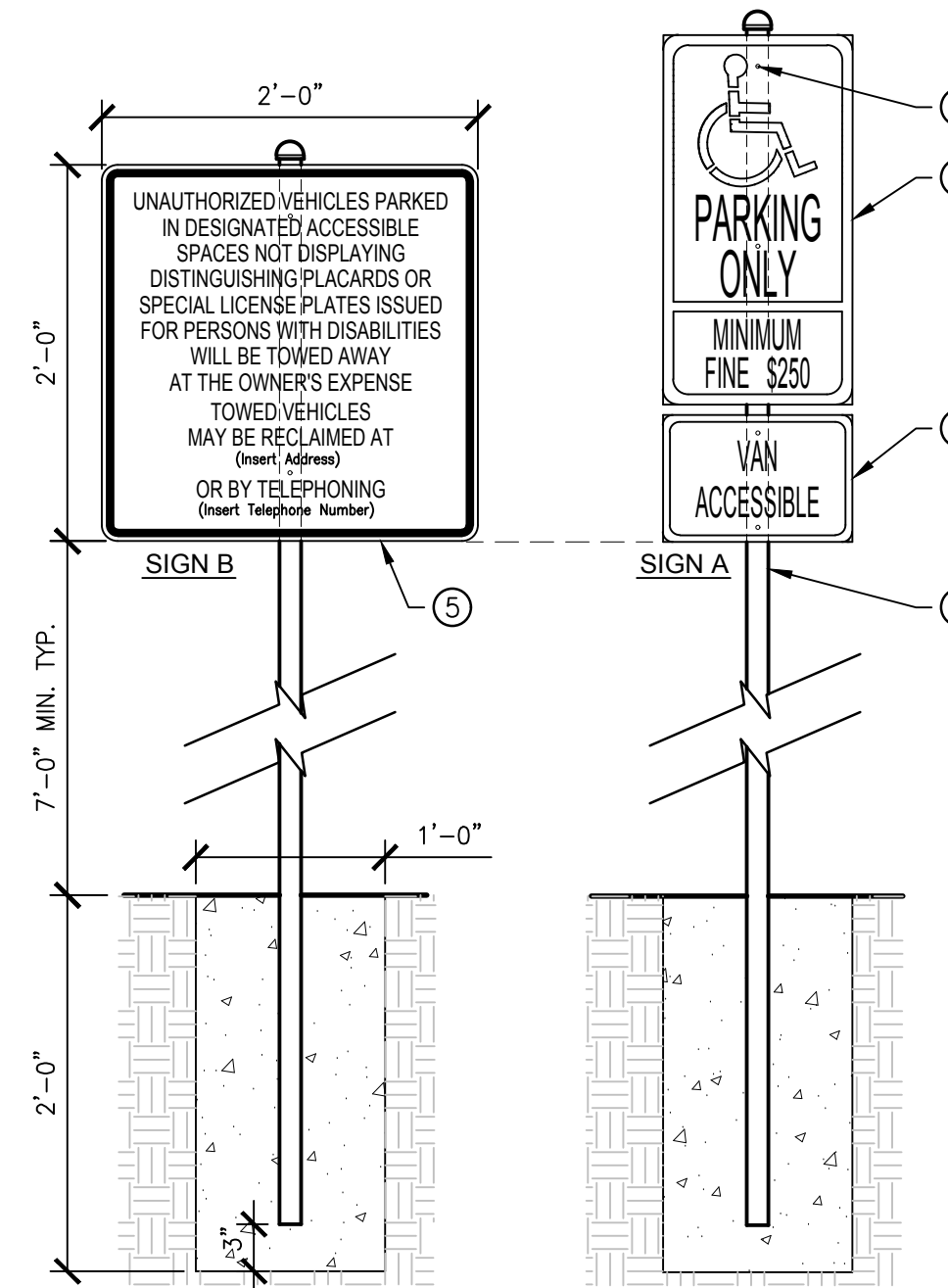
5 6" CONCRETE MOWBAND
SCALE: 1 1/2" = 1'-0"



- 1 PAVERS
- 2 BEDDING COURSE (TYP. ASTM NO. 8 OR NO. 9 AGGREGATE)
- 3 ASTM NO. 8 OR NO. 9 AGGREGATE IN OPENINGS. COLOR TO MATCH PAVERS, TYP.
- 4 ADJACENT ASPHALT PARKING
- 5 MIN. 4" THICK ASTM NO. 57 STONE OPEN - GRADED BASE.
- 6 UNDISTURBED SOIL SUBGRADE SLOPED TO DRAIN.
- 7 ADJACENT CONCRETE BAND. 6" WIDE.
- 8 #3 REBAR @ 12" O.C.E.W.
- 9 FINISH GRADE. 3" BELOW TOP OF CURB IN PLANTING.

NOTES:
A. INSTALL PERMEABLE PAVERS PER MANUFACTURER'S RECOMMENDATIONS.

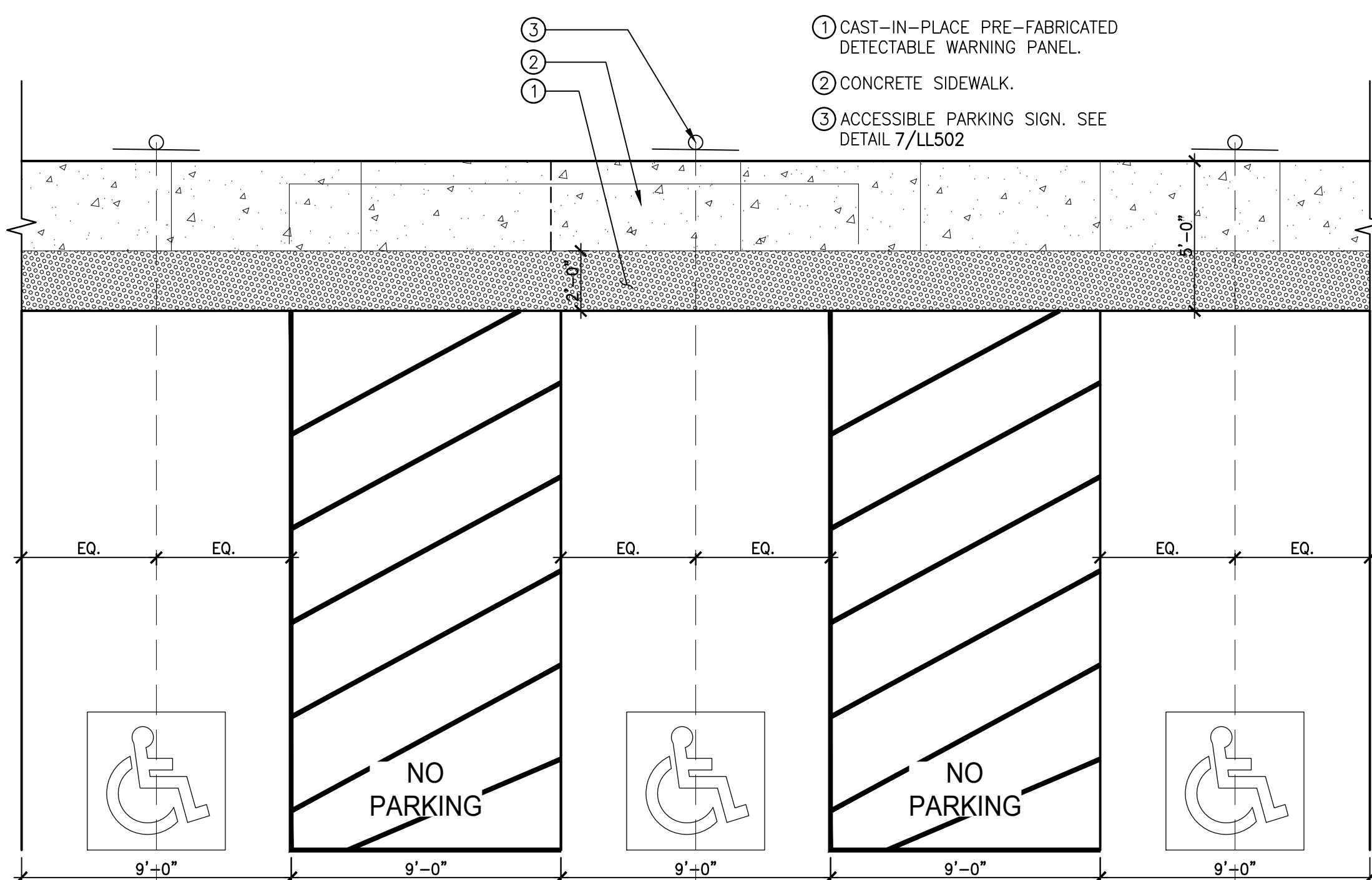
6 CONCRETE PAVERS
SCALE: 1" = 1'-0"



- 1 #10 1" PHILLIPS HEAD SELF-TAPPING SCREW, TYP.
- 2 R99C ISA PARKING SIGN, PER STATE OF CALIFORNIA DEPT. OF TRANSPORTATION STANDARD PLAN A90A.
- 3 R7-8B ISA VAN ACCESSIBLE PARKING SIGN, PER STATE OF CALIFORNIA DEPT. OF TRANSPORTATION STANDARD PLAN A90A, PER PLAN LOCATION.
- 4 1-3/8" DIAMETER STANDARD STEEL POST WITH CAP.
- 5 SIGN R100B PER STATE OF CALIFORNIA DEPT. OF TRANSPORTATION STANDARD PLAN A90A. TO BE INSTALLED AT ENTRANCE TO PARKING LOT.

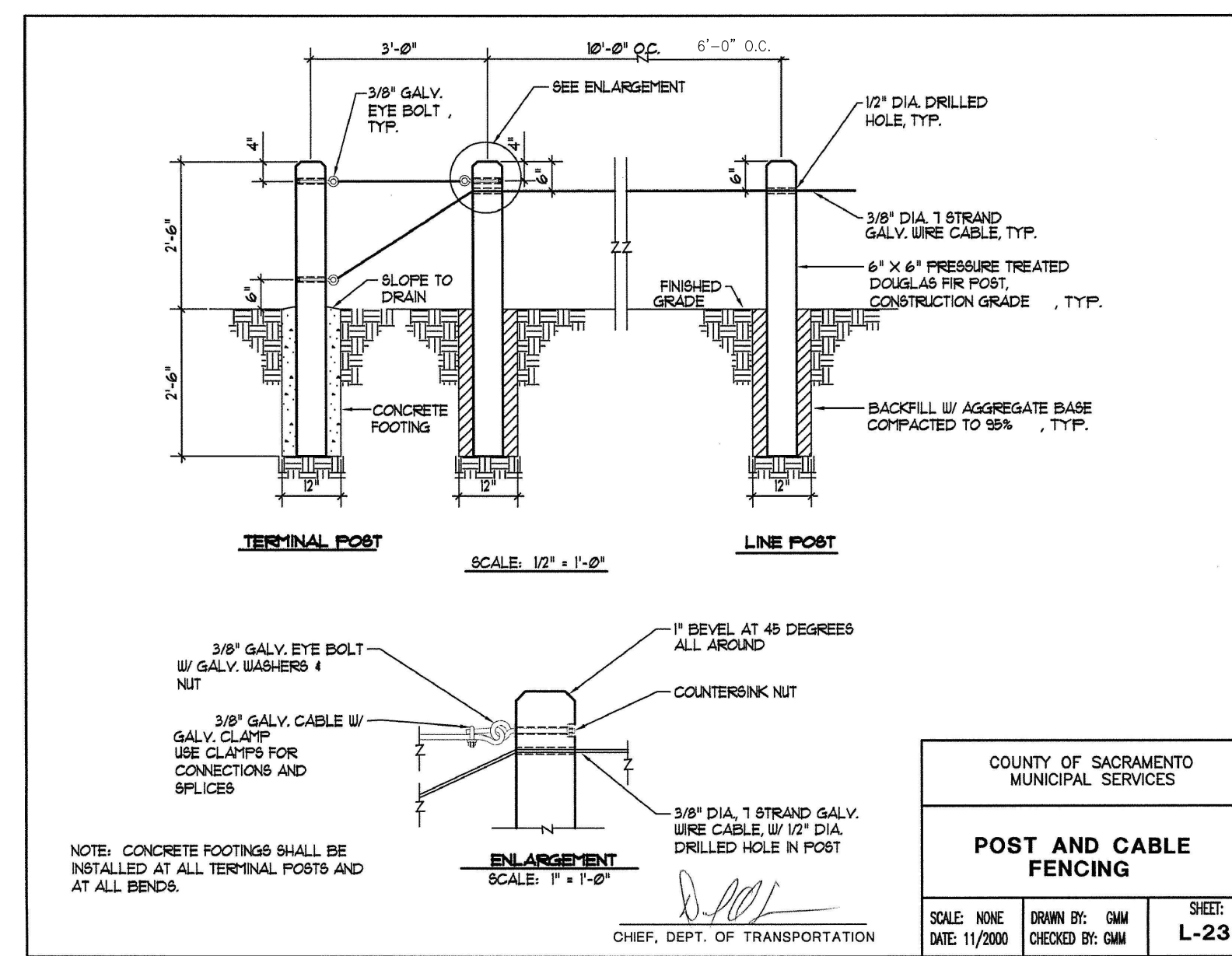
NOTES:
A. DETAILED SHOP DRAWINGS OF SIGNS TO BE SUBMITTED BY CONTRACTOR AND APPROVED BY CITY PRIOR TO FABRICATION.
B. 1.35M X 1.35M DIMENSION PER CALTRANS STD. PLAN A24C. PAINT REFLECTIVE WHITE ON BLUE FIELD.
C. PAINT SHALL BE FAST DRY, LOW VOC, SOLVENT BASE WHITE AND BLUE PAINT. SEE TECHNICAL PROVISIONS FOR DETAILS.

7 ACCESSIBLE PARKING SIGNS
SCALE: NONE



- 1 CAST-IN-PLACE PRE-FABRICATED DETECTABLE WARNING PANEL.
- 2 CONCRETE SIDEWALK.
- 3 ACCESSIBLE PARKING SIGN. SEE DETAIL 7/LL502

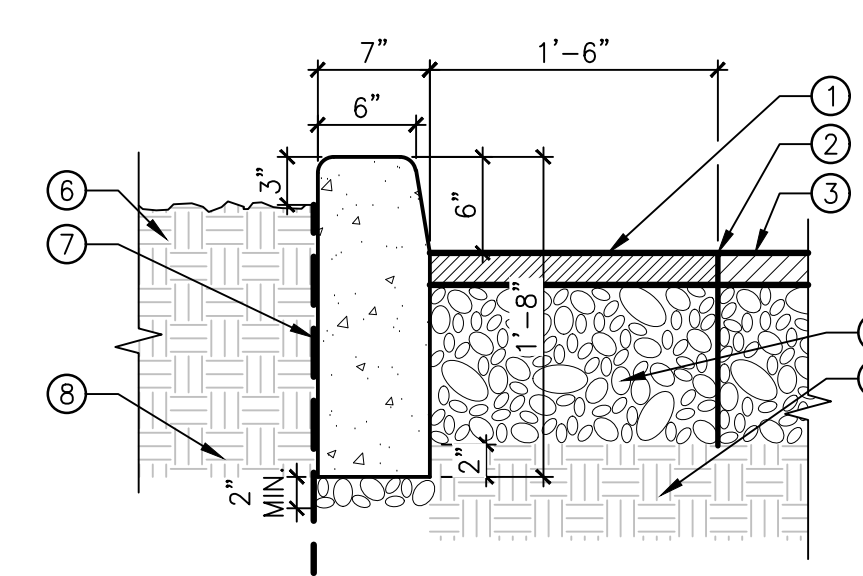
8 ACCESSIBLE PARKING STALL AND STRIPING
SCALE: 1/4" = 1'-0"



NOTE: CONCRETE FOOTINGS SHALL BE INSTALLED AT ALL TERMINAL POSTS AND AT ALL BENDS.

COUNTY OF SACRAMENTO MUNICIPAL SERVICES
POST AND CABLE FENCING
SCALE: NONE DRAWN BY: GJM CHECKED BY: GJM SHEET: L-23
DATE: 11/2000

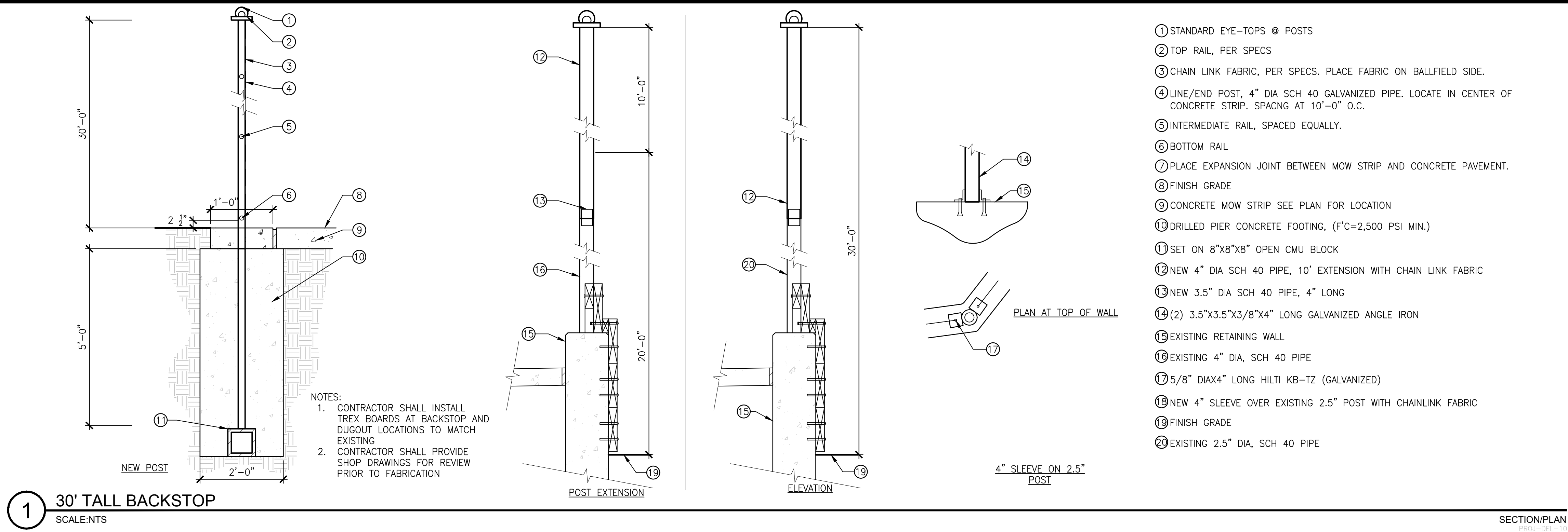
9 POST AND CABLE FENCE
SCALE: N.T.S.



- 1 REMOVE EXISTING ASPHALT CONCRETE AND AGGREGATE BASE ROCK AS REQUIRED, FOR CURB INSTALLATION.
- 2 SAWCUT LINE.
- 3 EXISTING ASPHALT CONCRETE.
- 4 REPLACE ASPHALT CONCRETE AND AGGREGATE BASE ROCK AS REQUIRED TO MATCH EXISTING DEPTH. 95% COMPACTION.
- 5 SUBGRADE, 95% COMPACTION.
- 6 APPROVED AMENDED IMPORT SOIL, 18" MIN. DEPTH.
- 7 2' DEEP ROOT BARRIER ADJACENT TO CURB, WHERE APPLICABLE. REFER TO PLANTING PLAN FOR LOCATIONS.
- 8 REMOVE ALL ASPHALT CONCRETE AND AGGREGATE BASE ROCK FROM PLANTER AND SCARIFY BOTTOM TO 12" DEPTH.

10 6" CONCRETE CURB
SCALE: 1" = 1'-0"



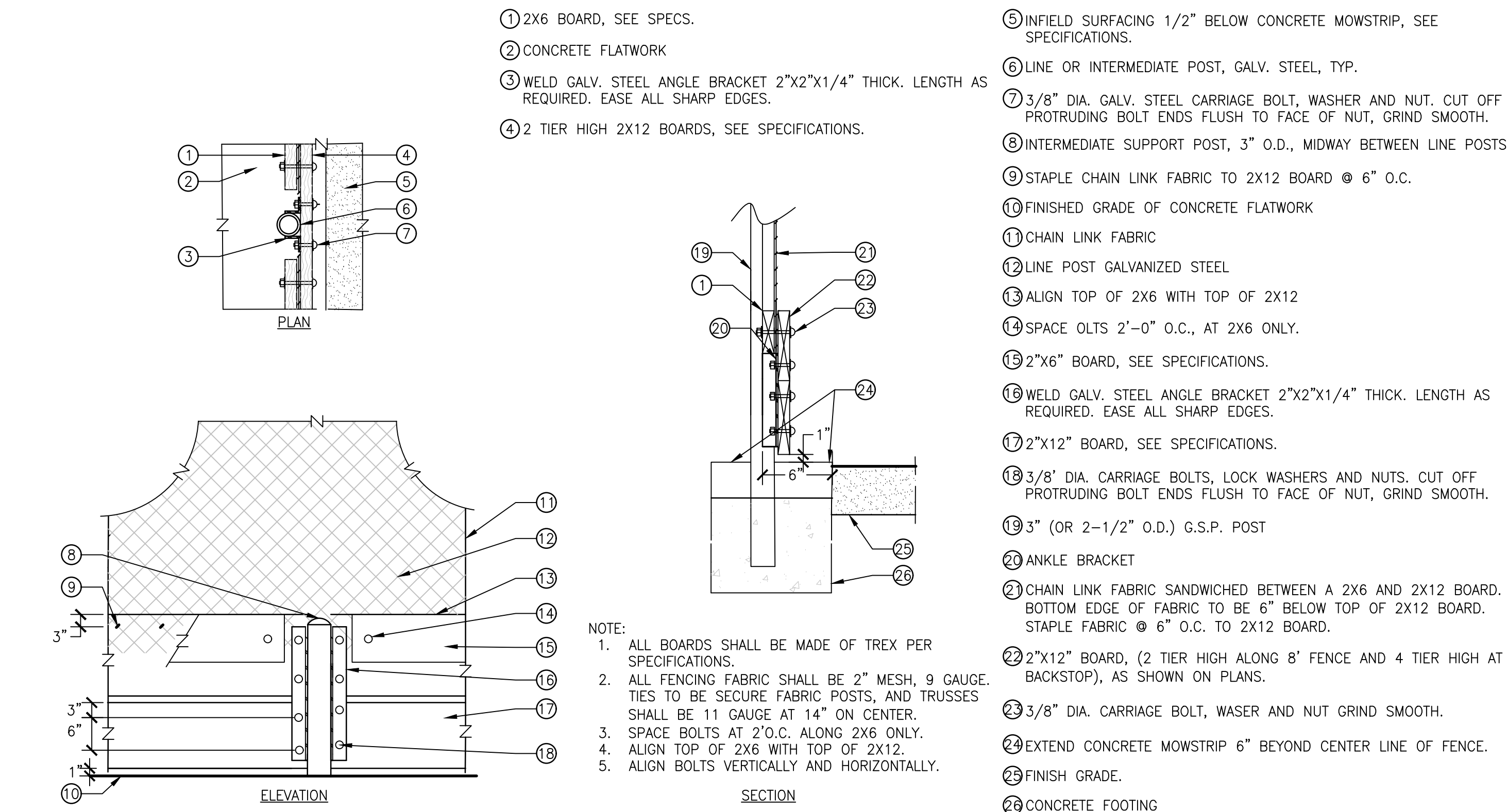


1 30' TALL BACKSTOP
SCALE:NTS

SECTION/PLAN
PROJ-DEL-10

- ① STANDARD EYE-TOPS @ POSTS
- ② TOP RAIL, PER SPECS
- ③ CHAIN LINK FABRIC, PER SPECS. PLACE FABRIC ON BALLFIELD SIDE.
- ④ LINE/END POST, 4" DIA SCH 40 GALVANIZED PIPE. LOCATE IN CENTER OF CONCRETE STRIP. SPACNG AT 10'-0" O.C.
- ⑤ INTERMEDIATE RAIL, SPACED EQUALLY.
- ⑥ BOTTOM RAIL
- ⑦ PLACE EXPANSION JOINT BETWEEN MOW STRIP AND CONCRETE PAVEMENT.
- ⑧ FINISH GRADE
- ⑨ CONCRETE MOW STRIP SEE PLAN FOR LOCATION
- ⑩ DRILLED PIER CONCRETE FOOTING, (F'C=2,500 PSI MIN.)
- ⑪ SET ON 8"x8" OPEN CMU BLOCK
- ⑫ NEW 4" DIA SCH 40 PIPE, 10' EXTENSION WITH CHAIN LINK FABRIC
- ⑬ NEW 3.5" DIA SCH 40 PIPE, 4" LONG
- ⑭ (2) 3.5"x3.5"x3/8"x4" LONG GALVANIZED ANGLE IRON
- ⑮ EXISTING RETAINING WALL
- ⑯ EXISTING 4" DIA, SCH 40 PIPE
- ⑰ 5/8" DIAx4" LONG HILTI KB-TZ (GALVANIZED)
- ⑱ NEW 4" SLEEVE OVER EXISTING 2.5" POST WITH CHAINLINK FABRIC
- ⑲ FINISH GRADE
- ⑳ EXISTING 2.5" DIA, SCH 40 PIPE

- NOTES:
1. CONTRACTOR SHALL INSTALL TREX BOARDS AT BACKSTOP AND DUGOUT LOCATIONS TO MATCH EXISTING
 2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION

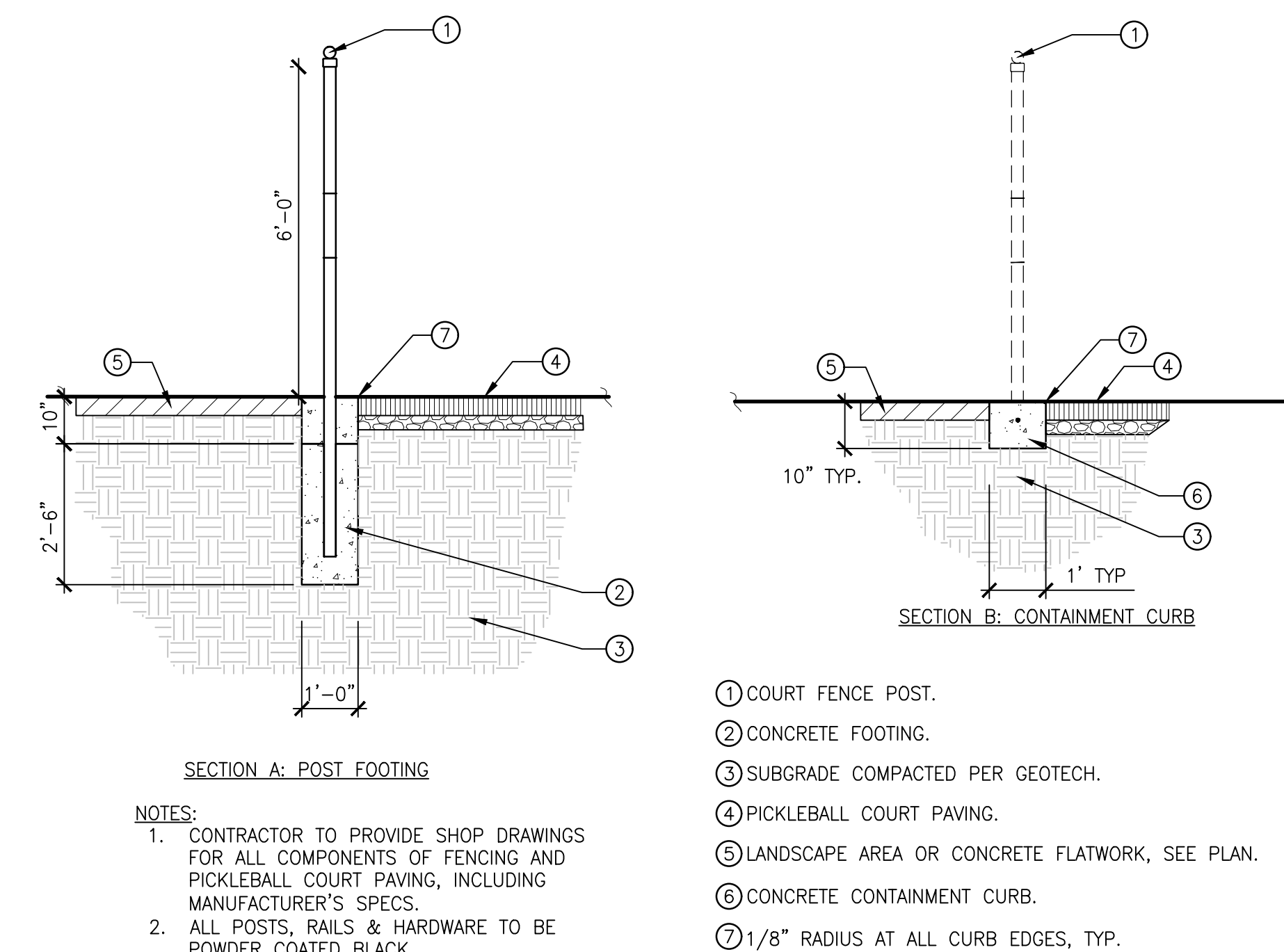


2 BASEBOARDS FOR BACKSTOP AND 8' FENCE
SCALE:NTS

SECTION/PLAN
PROJ-DEL-06

- ① 2X6 BOARD, SEE SPECS.
- ② CONCRETE FLATWORK
- ③ WELD GALV. STEEL ANGLE BRACKET 2"x2"x1/4" THICK. LENGTH AS REQUIRED. EASE ALL SHARP EDGES.
- ④ 2 TIER HIGH 2X12 BOARDS, SEE SPECIFICATIONS.
- ⑤ INFIELD SURFACING 1/2" BELOW CONCRETE MOWSTRIP, SEE SPECIFICATIONS.
- ⑥ LINE OR INTERMEDIATE POST, GALV. STEEL, TYP.
- ⑦ 3/8" DIA. GALV. STEEL CARRIAGE BOLT, WASHER AND NUT. CUT OFF PROTRUDING BOLT ENDS FLUSH TO FACE OF NUT, GRIND SMOOTH.
- ⑧ INTERMEDIATE SUPPORT POST, 3" O.D., MIDWAY BETWEEN LINE POSTS.
- ⑨ STAPLE CHAIN LINK FABRIC TO 2X12 BOARD @ 6" O.C.
- ⑩ FINISHED GRADE OF CONCRETE FLATWORK
- ⑪ CHAIN LINK FABRIC
- ⑫ LINE POST GALVANIZED STEEL
- ⑬ ALIGN TOP OF 2X6 WITH TOP OF 2X12
- ⑭ SPACE BOLTS 2'-0" O.C., AT 2X6 ONLY.
- ⑮ 2"x6" BOARD, SEE SPECIFICATIONS.
- ⑯ WELD GALV. STEEL ANGLE BRACKET 2"x2"x1/4" THICK. LENGTH AS REQUIRED. EASE ALL SHARP EDGES.
- ⑰ 2"x12" BOARD, SEE SPECIFICATIONS.
- ⑱ 3/8" DIA. CARRIAGE BOLTS, LOCK WASHERS AND NUTS. CUT OFF PROTRUDING BOLT ENDS FLUSH TO FACE OF NUT, GRIND SMOOTH.
- ⑲ 3" (OR 2-1/2" O.D.) G.S.P. POST
- ⑳ ANKLE BRACKET
- ㉑ CHAIN LINK FABRIC SANDWICHED BETWEEN A 2X6 AND 2X12 BOARD. BOTTOM EDGE OF FABRIC TO BE 6" BELOW TOP OF 2X12 BOARD. STAPLE FABRIC @ 6" O.C. TO 2X12 BOARD.
- ㉒ 2"x12" BOARD, (2 TIER HIGH ALONG 8' FENCE AND 4 TIER HIGH AT BACKSTOP), AS SHOWN ON PLANS.
- ㉓ 3/8" DIA. CARRIAGE BOLT, WASER AND NUT GRIND SMOOTH.
- ㉔ EXTEND CONCRETE MOWSTRIP 6" BEYOND CENTER LINE OF FENCE.
- ㉕ FINISH GRADE.
- ㉖ CONCRETE FOOTING

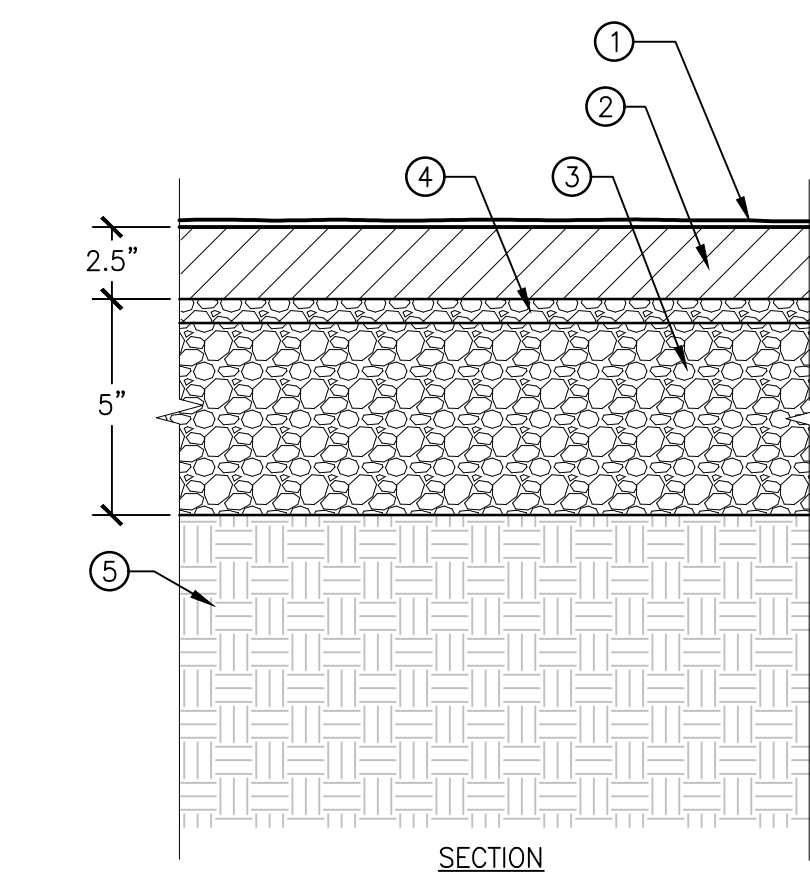
- NOTE:
1. ALL BOARDS SHALL BE MADE OF TREX PER SPECIFICATIONS.
 2. ALL FENCING FABRIC SHALL BE 2" MESH, 9 GAUGE. TIES TO BE SECURE FABRIC POSTS, AND TRUSSES SHALL BE 11 GAUGE AT 14" ON CENTER.
 3. SPACE BOLTS AT 2'O.C. ALONG 2X6 ONLY.
 4. ALIGN TOP OF 2X6 WITH TOP OF 2X12.
 5. ALIGN BOLTS VERTICALLY AND HORIZONTALLY.



3 COURT FENCING FOOTING & 12" CURB
SCALE:NTS

SECTION
PROJ-DEL-01

- NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL COMPONENTS OF FENCING AND PICKLEBALL COURT PAVING, INCLUDING MANUFACTURER'S SPECS.
 2. ALL POSTS, RAILS & HARDWARE TO BE POWDER COATED BLACK.
- ① COURT FENCE POST.
 - ② CONCRETE FOOTING.
 - ③ SUBGRADE COMPACTED PER GEOTECH.
 - ④ PICKLEBALL COURT PAVING.
 - ⑤ LANDSCAPE AREA OR CONCRETE FLATWORK, SEE PLAN.
 - ⑥ CONCRETE CONTAINMENT CURB.
 - ⑦ 1/8" RADIUS AT ALL CURB EDGES, TYP.



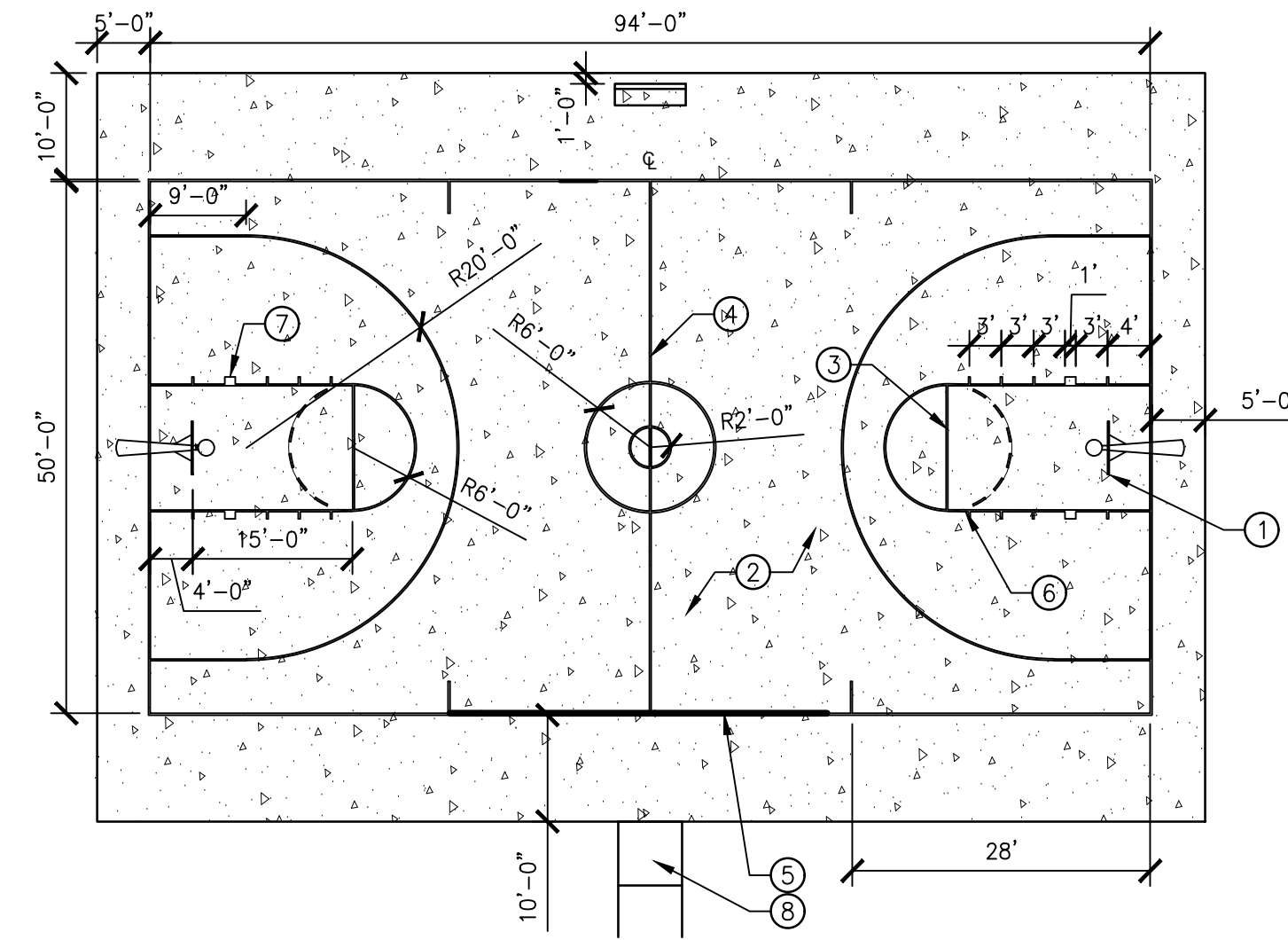
4 PICKLEBALL COURT PAVING
SCALE:NTS

SECTION
PROJ-DEL-37

- ① PLEXIPAVE TENNIS COURT SURFACING SYSTEM (800-255-1141) SHALL BE APPLIED TO ALL FINISHED A.C. SURFACING SYSTEM SHALL INCLUDE REFINEMENT MATERIAL, COLOR COATING, PAINT AND PROTECTIVE COAT.
- ② A.C. PAVING, CLASS 'A', INSTALLED IN 1-1/4" LIFTS.
- ③ COMPACTED CLASS II AGGREGATE BASE PER GEOTECHNICAL REPORT.
- ④ 1/2" AGGREGATE FINISHING LAYER, IF NEEDED FOR LEVELING.
- ⑤ COMPACTED SUBGRADE PER GEOTECH.

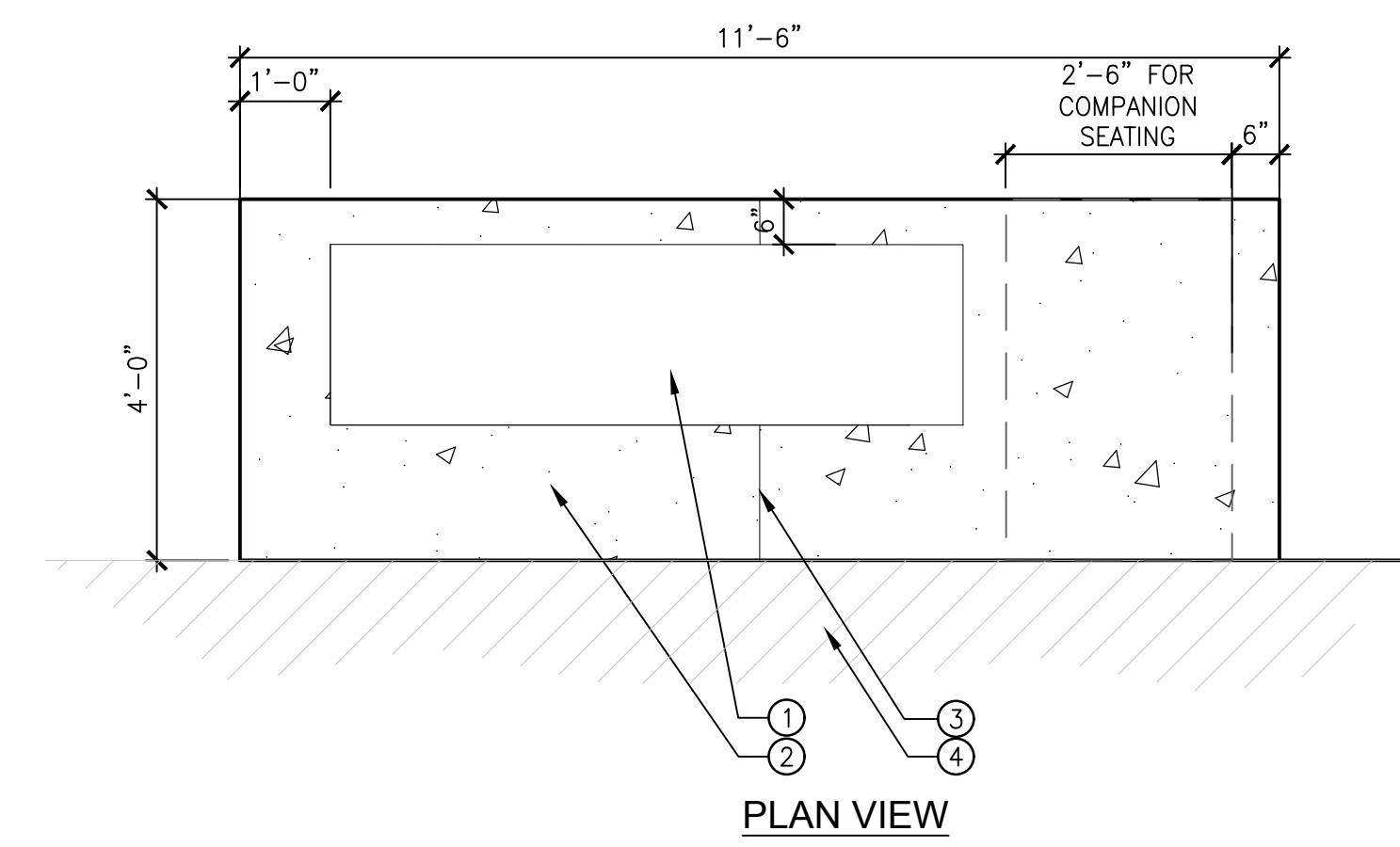


Know what's below.
Call before you dig.



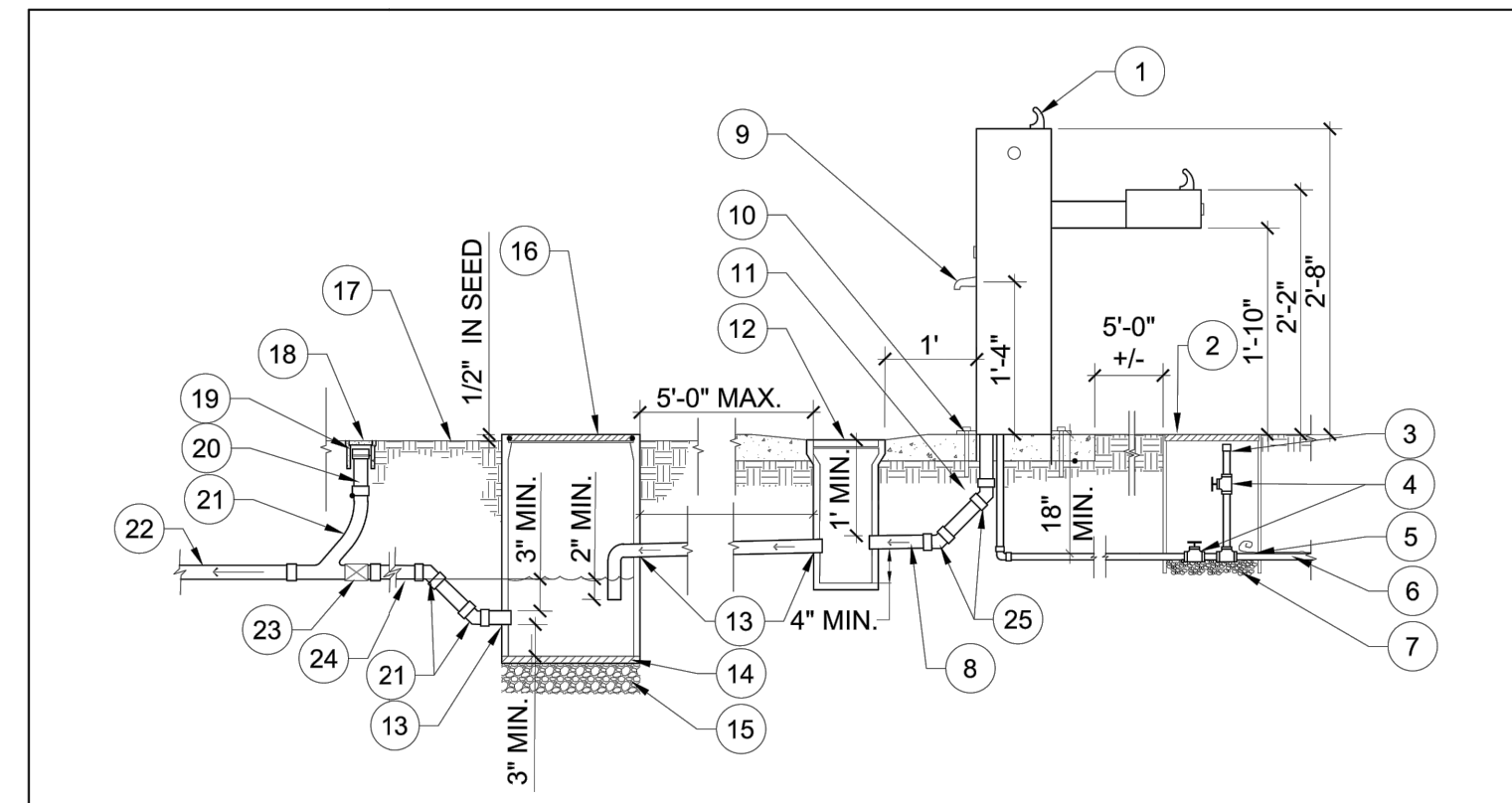
- ① BASKETBALL STANDARD, INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- ② ASPHALT PAVING
- ③ FREE THROW LINE
- ④ HALF COURT LINE
- ⑤ ALL BASKETBALL COURT LINES SHALL BE 2" WIDE WHITE, UNLESS OTHERWISE INDICATED. SEE SPECS FOR PAINT TYPE.
- ⑥ 2" WIDE BY 8" DEPTH KEY MARKINGS
- ⑦ 12" WIDE BY 8" DEPTH KEY MARKINGS
- ⑧ ADJACENT CONCRETE WALK

1 BASKETBALL COURT
SCALE: 1/16" = 1'-0" PLAN



- ① BENCH, AS MANUFACTURED BY OUTDOOR CREATIONS, INC., SEE LAYOUT LEGEND FOR SPECS.
- ② CONCRETE FLATWORK.
- ③ SCORE JOINT.
- ④ EXISTING DG TRAIL.

2 CONCRETE BENCH PAD
SCALE: 1/2" = 1'-0" PLAN

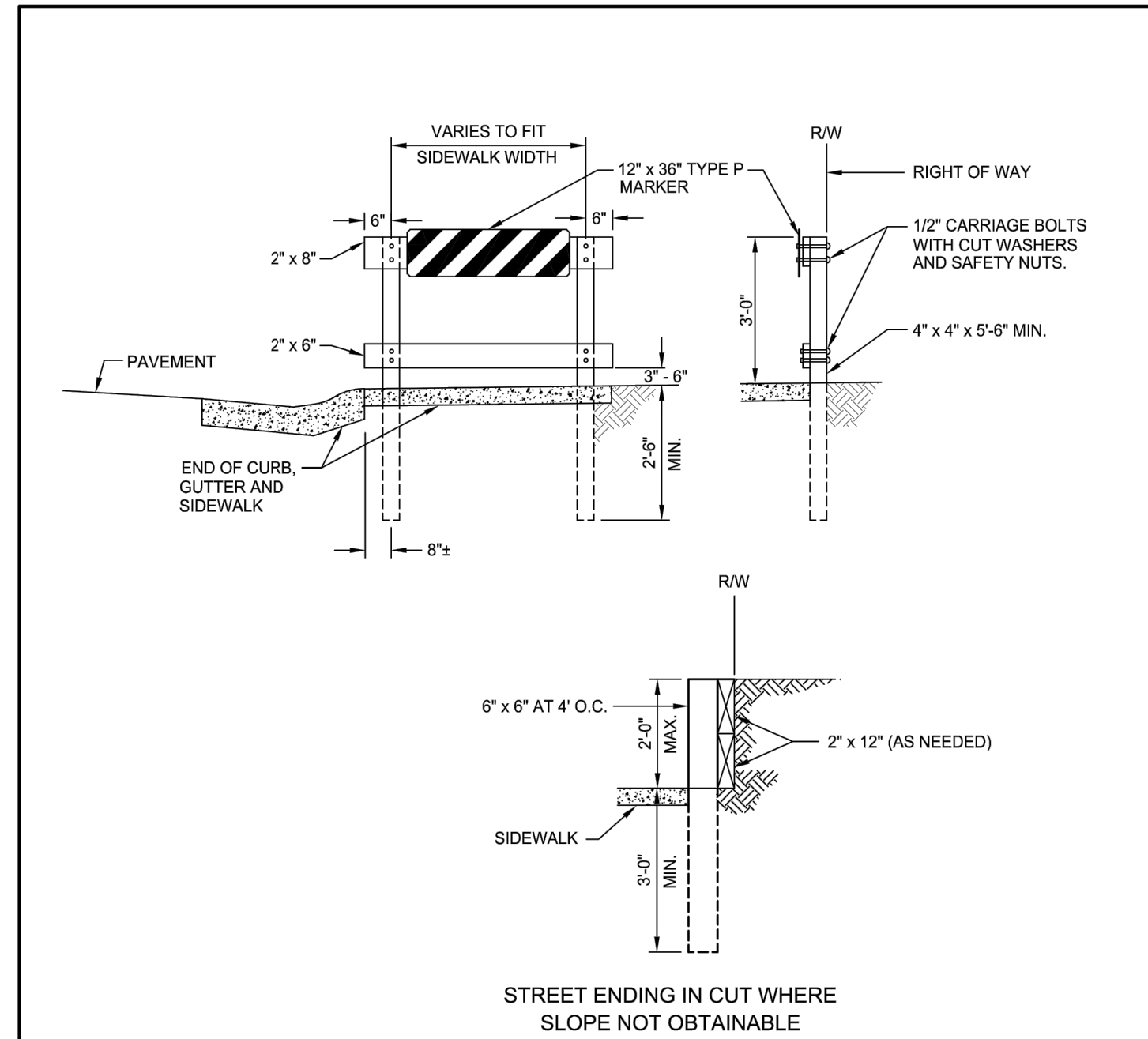


- CALLOUTS**
- ① DRINKING FOUNTAIN, INSTALL PER MANUFACTURER'S SPECIFICATIONS
 - ② VALVE BOX WITH LOCKING LID, TYPICAL.
 - ③ BLOWOFF VALVE (1" TEE, 1" THREADED GALV. RISER, 1" PVC CAP, HAND TIGHTEN TYPICAL)
 - ④ 1" GATE VALVE (TYP.)
 - ⑤ TRACER WIRE TAPE TO WATER LINE EVERY 5' O.C.
 - ⑥ SCHEDULE 40 P.V.C. PIPE, CONNECT TO WATER METER AND BACKFLOW
 - ⑦ 3/4" DIA. DRAIN ROCK
 - ⑧ 2" ABS DRAIN LINE SLOPED AT 2% TO CLEANOUT
 - ⑨ JUG FILLER WITH VACUUM BREAKER
 - ⑩ 4-1/2" DIA. BOLTS SET IN CONCRETE
 - ⑪ 12"± AREA OF CONCRETE SURROUNDING GRATE SHALL BE SLOPED TO GRATE CLEANOUT: 12" INSIDE DIAMETER CONCRETE BOX STEEL GRATE
 - ⑫ WATER STOP, TYP.
 - ⑬ POUR IN PLACE CONCRETE BOTTOM
 - ⑭ 3" DIA. DRAIN ROCK
 - ⑮ CLEANOUT: 12" X 18" CONCRETE BOX WITH SOLID TRAFFIC RATED LID
 - ⑯ FINISH GRADE BEFORE PLANTING
 - ⑰ REINFORCED CONCRETE VALVE BOX AND LID
 - ⑱ JIMMY CAP
 - ⑲ ABS DRAIN LINE (TYP.)
 - ⑳ LONG SWEEP "Y" FITTING
 - ㉑ 45 DEGREE ABS ELBOWS TYP.
 - ㉒ WHEN TOP OF GRATE IS LOWER THAN THE NEXT UPSTREAM MANHOLE COVER, A BACKWATER VALVE IS REQUIRED AT THIS LOCATION.
 - ㉓ 4" ABS DRAIN PIPE SLOPED AT MIN. 2% TO SANITARY SEWER STUB.

NOTE:
1. IF DRINKING FOUNTAIN HAS JUG FILLER SLOTTED CLEANOUT DRAIN MUST BE LOCATED ON JUG FILLER SIDE, SLOPED TO DRAIN.

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |

3 DRINKING FOUNTAIN
CITY OF SACRAMENTO
Department of Youth, Parks and Community Enrichment
DRINKING FOUNTAIN
APPROVED BY: [Signature]
DATE: APRIL 2020 DWG. NO. L-500



- NOTES:**
- SIDEWALK BARRICADE TO BE ERRECTED AT EACH LOCATION WHERE SATISFACTORY PROVISION CANNOT BE MADE FOR PEDESTRIANS TO CONTINUE BEYOND THE TERMINOUS OF A SIDEWALK.
 - ALL EXPOSED SURFACES TO BE PAINTED WITH TWO (2) COATS OF WHITE PAINT. ALL PAINT TO CONFORM TO SEC. 91-3.02 OF CALTRANS STANDARD SPECIFICATIONS.
 - ALL MATERIAL USED IN THE CONSTRUCTION OF BARRICADE SHALL BE TREATED DOUGLAS FIR IN CONFORMANCE WITH SEC 56-2.02 OF CALTRANS STANDARD SPECIFICATIONS.

| REV. | DATE | DESCRIPTION |
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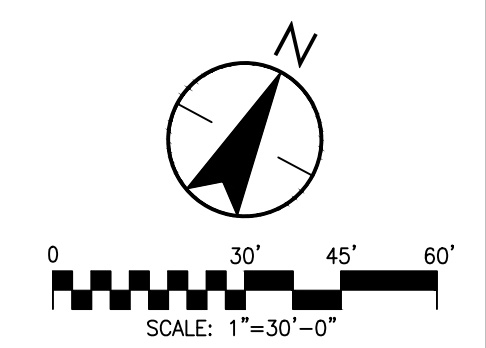
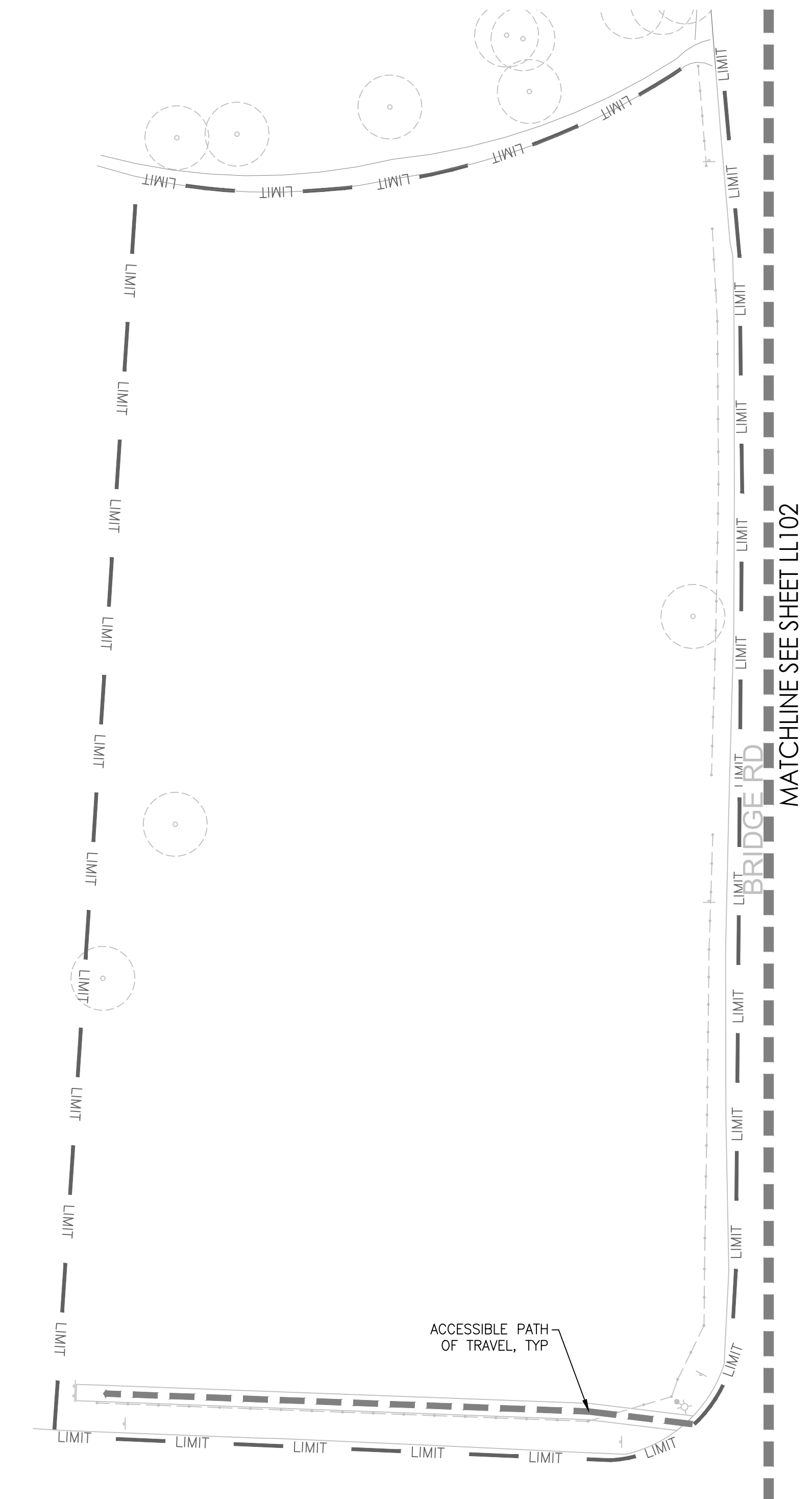
4 SIDEWALK BARRICADE
CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS
SIDEWALK BARRICADE
APPROVED BY: [Signature]
DATE: APRIL 2020 DWG. NO. T-103



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ACCESSIBILITY NOTES

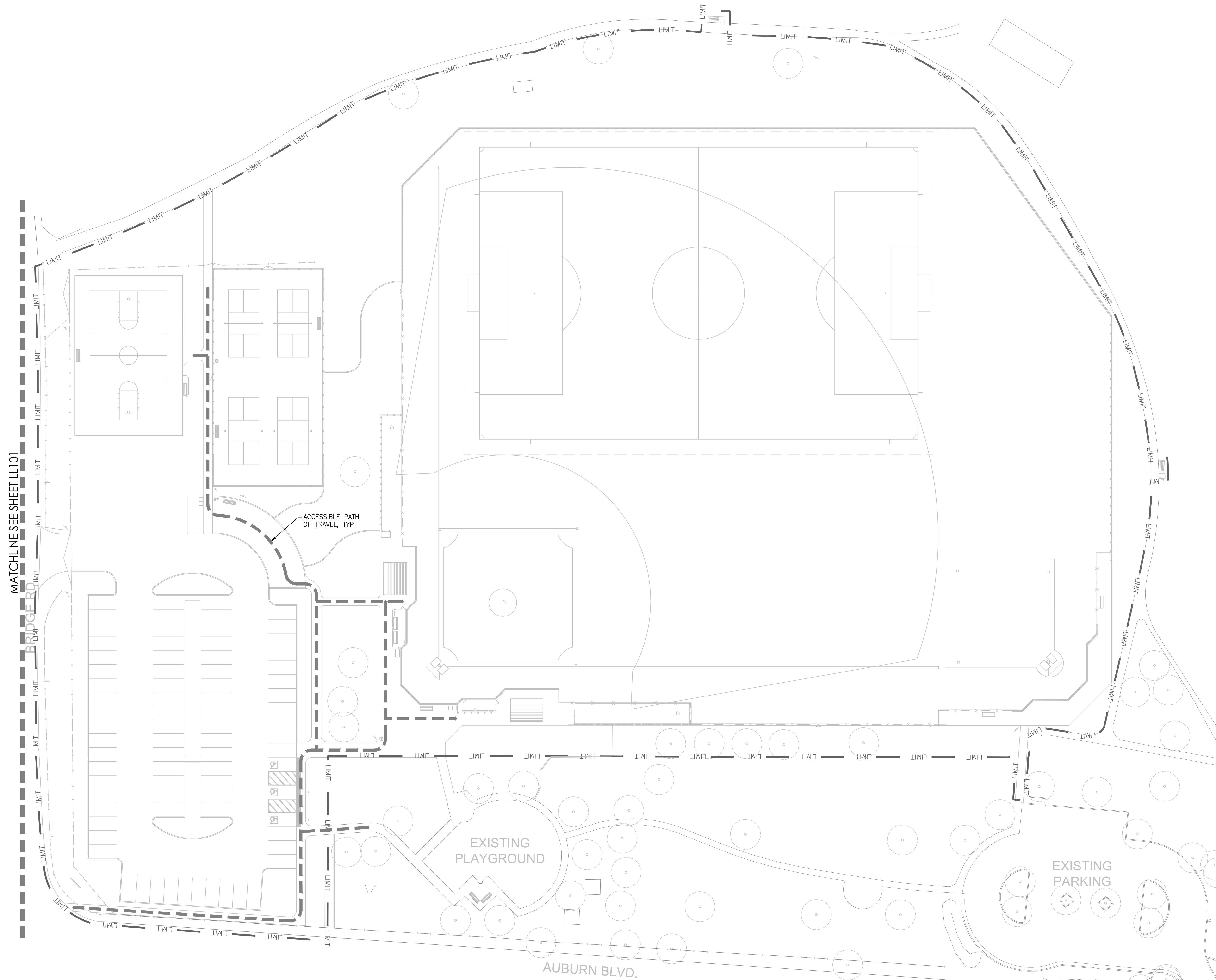
1. ACCESSIBLE PATH OF TRAVEL SHALL BE A MINIMUM OF 48" WIDE, CROSS SLOPE SHALL BE LESS THAN 2% AND RUNNING SLOPE SHALL BE LESS THAN 5%. NO ABRUPT CHANGES IN ELEVATION EXCEEDING 1/4".
2. SITE ACCESSIBILITY SIGNAGE AND EXTERIOR ACCESSIBLE ROUTES OF TRAVEL FROM THE PRIMARY ENTRANCE TO PUBLIC SIDEWALK AND ACCESSIBLE PARKING SHALL BE IN COMPLIANCE WITH CURRENT CODE.



SEE DRAWING LL501 THROUGH LL504 FOR LAYOUT DETAILS

SEE DRAWING CV001 FOR GENERAL NOTES





MATCHLINE SEE SHEET LL101

BRIDGER

AUBURN BLVD.

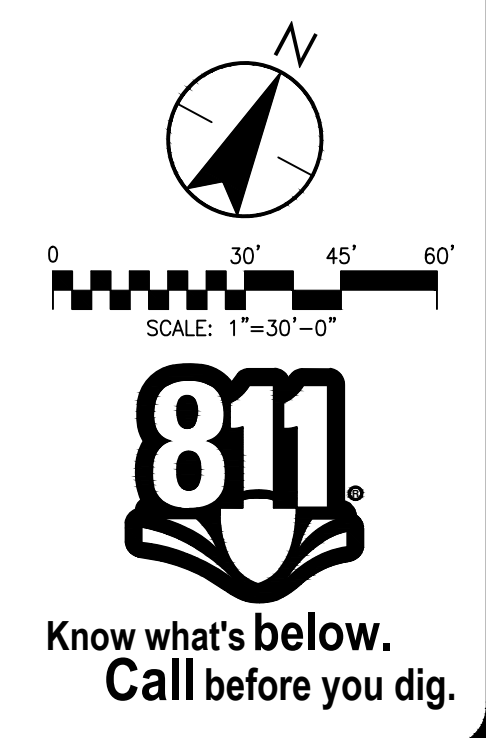
ACCESSIBLE PATH OF TRAVEL, TYP

EXISTING PLAYGROUND

EXISTING PARKING

SEE DRAWING LL501 THROUGH LL504 FOR LAYOUT DETAILS

SEE DRAWING CV001 FOR GENERAL NOTES



RENFREE FIELD RENOVATION
 DEL PASO REGIONAL PARK
 ACCESSIBILITY PLAN

DESIGN BY: **Stantec**

DATE: 05.01.2023

SCALE: 1" = 30'-0"

P. N. L19-3000-02

REVISIONS

IRRIGATION NOTES

- THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC., SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY, AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE. CONTRACTOR SHALL LOCATE IRRIGATION PIPES AND EQUIPMENT FREE FROM ALL UTILITIES AND SITE CONFLICTS. ALL DIMENSIONS, QUANTITIES AND MATERIALS SHALL BE VERIFIED BY CONTRACTOR. CONTRACTOR TO INSTALL ADDITIONAL IRRIGATION, AS NEEDED, TO PROVIDE ADEQUATE COVERAGE, AT NO ADDITIONAL COST TO THE OWNER.
- ALL LOCAL CODES AND ORDINANCES SHALL BE COMPLIED WITH. IF THERE IS A CONFLICT, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IN WRITING.
- A MINIMUM OF TWO WORKING DAYS PRIOR TO PERFORMING ANY DIGGING, CALL UNDERGROUND SERVICE ALERT AT 1-800-642-2444 FOR INFORMATION ON THE LOCATION OF UNDERGROUND UTILITIES.
- THE IRRIGATION SYSTEM IS DESIGNED TO OPERATE WITH A MINIMUM STATIC WATER PRESSURE OF XXXX PSI AT THE POINT OF CONNECTION. THE CONTRACTOR SHALL VERIFY THE POINT OF CONNECTION PRESSURE ON-SITE PRIOR TO INSTALLATION OF ANY IRRIGATION WORK. IF THERE IS A DISCREPANCY, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IN WRITING SO ADJUSTMENTS CAN BE MADE. CONTRACTOR SHALL NOT PROCEED ANY FURTHER WITH INSTALLATION OF THE SYSTEM UNTIL NECESSARY DESIGN REVISIONS HAVE BEEN DETERMINED BY THE OWNER.
- THE IRRIGATION SYSTEM MAXIMUM FLOW RATE IS 130 GPM. THE CONTRACTOR SHALL PROGRAM THE AUTOMATIC CONTROLLER ACCORDING TO IRRIGATION WATERING SCHEDULE PROVIDED TO ALLOW FOR MULTIPLE VALVES TO RUN SIMULTANEOUSLY AND NOT EXCEED THE MAXIMUM FLOW RATE. ALL PLANT MATERIAL SHALL BE KEPT IN A HEALTHY, GROWING CONDITION WHILE MINIMIZING RUN-OFF OR EXCESSIVE WATERING.
- THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR DIFFERENCES IN DIMENSIONS EXIST THAT MIGHT HAVE BEEN UNKNOWN DURING ENGINEERING. SUCH OBSTRUCTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER IMMEDIATELY. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY, AT NO ADDITIONAL COST TO OWNER.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ANY UNDERGROUND UTILITIES, GRADE DIFFERENCES, WALL, RETAINING WALLS, AND STRUCTURES. DAMAGE CAUSED BY THE CONTRACTOR'S INSTALLATION SHALL BE REPAIRED TO THE SATISFACTION OF THE GOVERNING AGENCY AND/OR OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS OF SUCH REPAIRS.
- INSTALL ALL PIPE AND CONTROL WIRES IN LANDSCAPE BEDS AND IN COMMON TRENCHES WHEREVER POSSIBLE. 120 VAC ELECTRICAL POWER SOURCE AT CONTROLLER LOCATION SHALL BE PROVIDED BY OTHERS. THE LANDSCAPE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE ELECTRICAL CONTRACTOR TO ASSURE IRRIGATION SYSTEM IS FULLY FUNCTIONING BEFORE PLANTING COMMENCES. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE THE FINAL CONNECTION FROM THE ELECTRICAL SOURCE TO THE CONTROLLER.
- ALL PIPING AND CONTROL WIRES UNDER PAVING SHALL BE INSTALLED IN SEPARATE SCHEDULE 40 SLEEVES. ALL STREET CROSSINGS SHALL HAVE A MINIMUM OF TWO (2) SLEEVES. ALL WIRING UNDER PAVEMENTS SHALL BE INSTALLED IN PVC SCHEDULE 40 CONDUIT. ALL SLEEVES SHALL EXTEND TWELVE INCHES (12") BEYOND EDGE OF PAVEMENT AND/OR CURBS. ALL SLEEVES AND CONDUIT SHALL BE INSTALLED PRIOR TO THE PLACEMENT OF BASE MATERIALS AND PAVING. INSTALL SLEEVES AS NECESSARY OR AS REQUIRED PER PLANS. BACKFILL FOR SLEEVES SHALL BE COMPACTED TO THE SPECIFIED DENSITY FOR THE SUBGRADE.
- SLEEVES:
 - INSIDE DIAMETER OF SLEEVE SHALL BE A MINIMUM OF TWO (2) TIMES THE OUTER DIAMETER OF THE PIPE BEING SLEEVED.
 - ALL CONTROL WIRE SLEEVES SHALL BE OF SUFFICIENT SIZE FOR THE REQUIRED NUMBER OF WIRES.
 - CONTRACTOR IS RESPONSIBLE FOR COORDINATING PAVING INSTALLATION FOR PROPER INSTALLATION OF SLEEVES.
 - BACKFILL FOR SLEEVES SHALL BE COMPACTED TO SPECIFIED DENSITY FOR THE SUBGRADE.
- THE CONTRACTOR SHALL LAY OUT ALL WORK PRIOR TO TRENCHING OPERATIONS TO DETERMINE IF MINOR MODIFICATIONS WILL BE REQUIRED. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL IRRIGATION MATERIALS, INCLUDING PIPE, WITH THE LANDSCAPE DRAWINGS TO AVOID INTERFERING WITH THE PLANTING OF TREES, SHRUBS, OR OTHER PLANTINGS.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES SO PROGRESS OF WORK IS NOT INTERRUPTED AND CAN BE COMPLETED IN A TIMELY MANNER.
- HYDROSTATIC TESTING (PRIOR TO OPERATION): PIPING SHALL BE COMPLETELY FLUSHED OF FOREIGN PARTICLES BEFORE ATTACHING IRRIGATION COMPONENTS. AFTER FLUSHING, AND WHEN ALL VALVES AND QUICK COUPLERS ARE IN PLACE, ALL MAIN SUPPLY LINES SHALL BE TESTED AT 50 PSI ABOVE NORMAL OPERATING PRESSURE OR AT 160 POUNDS PER SQUARE INCH (160 PSI) WITH VALVES CLOSED. MAINTAIN PRESSURE FOR A PERIOD OF NOT LESS THAN FOUR (4) CONSECUTIVE HOURS. ALL JOINTS SHOWING LEAKS SHALL BE CLEANED, REMADE, AND TESTED.
- OPERATIONAL TESTING: PERFORM OPERATIONAL TESTING AFTER HYDROSTATIC TESTING IS COMPLETED. DEMONSTRATE TO THE OWNER THAT THE SYSTEM MEETS COVERAGE REQUIREMENTS (100%) AND THAT AUTOMATIC CONTROLS FUNCTION PROPERLY.
- MAINTAIN A MINIMUM CLEARANCE OF FIVE FEET BETWEEN ALL MAIN LINES AND TREES.
- ALL PIPING, RCV'S AND QCV'S SHALL BE INSTALLED IN PLANTING AREAS (PIPING MAY PASS UNDER PAVING AS REQUIRED). RCV'S AND QCV'S SHALL BE INSTALLED ADJACENT TO WALKWAYS OR PAVING.
- SEE IRRIGATION DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- ALL ELECTRICAL WIRE FROM CONTROLLER TO VALVES SHALL BE 14 GAUGE UL DIRECT BURIAL OR LARGER AS REQUIRED BY LENGTH PER MANUFACTURER'S SPECIFICATIONS.
- CHECK VALVES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS TO ELIMINATE LOW HEAD DRAINAGE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ELEVATION CHANGE AND INSTALL IN-LINE CHECK VALVES AS NECESSARY WHERE CHANGE IN ELEVATION EXCEEDS THE MANUFACTURER'S PRODUCT SPECIFICATIONS.
- THE ANNUAL MAINTENANCE PROGRAM WITH SEASONAL WATERING SCHEDULE SHALL BE LAMINATED AND PERMANENTLY POSTED IN OR NEAR THE CONTROL BOX ON SITE.
- INSTALLATION AND PERFORMANCE OF APPROVED SUBSTITUTIONS ARE THE CONTRACTOR'S RESPONSIBILITY. ANY CHANGES REQUIRED FOR INSTALLATION OF ANY APPROVED SUBSTITUTION MUST BE MADE TO THE SATISFACTION OF THE OWNER WITHOUT ADDITIONAL COST TO OWNER.
- CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE THE IRRIGATION SYSTEM FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE. MANUFACTURER WARRANTIES SHALL NOT SUPERSEDE THIS GUARANTEE AS CONTRACTOR SHALL BE FULLY LIABLE FOR REPAIRS/REPLACEMENT OF FAILED MATERIALS/WORKMANSHIP.
- IRRIGATION WATER METER IS INSTALLED PER CIVIL IMPROVEMENT PLANS.
- THE PRECISE LOCATION OF THE IRRIGATION CONTROLLER AND BOOSTER PUMP SHALL BE DETERMINED BY THE CITY'S REPRESENTATIVE.
- CONSTANTLY PRESSURIZED RECYCLED WATER MAINS SHALL BE LOCATED A MINIMUM OF 10 FEET HORIZONTALLY AWAY FROM POTABLE WATER LINES AND MUST ALSO CROSS UNDER POTABLE LINES WITH A MINIMUM OF 12" VERTICAL SEPARATION (OD TO OD).
- CONTRACTOR TO INCLUDE TWO (2) SPARE CONTROL WIRES, YELLOW IN COLOR, TO RUN CONTINUOUS THROUGH THE ENTIRE SYSTEM.

IRRIGATION SCHEDULE

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | PSI |
|--------|--|-----|-----|
| | HUNTER MP1000 PROS-06-PRS40-CV-F TURF ROTATOR, 6" POP-UP WITH CHECK VALVE, FLOGUARD, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC. | 13 | 40 |
| | HUNTER MP2000 PROS-06-PRS40-CV-F TURF ROTATOR, 6" POP-UP WITH FACTORY INSTALLED CHECK VALVE, FLOGUARD, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC. | 17 | 40 |
| | HUNTER MP3000 PROS-06-PRS40-CV-F TURF ROTATOR, 6" POP-UP WITH FACTORY INSTALLED CHECK VALVE, FLOGUARD, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. B=BLUE ADJ ARC 90-210, Y=YELLOW ADJ ARC 210-270, A=GRAY 360 ARC. | 5 | 40 |
| | HUNTER MP800SR PROS-06-PRS40-CV-F-R TURF ROTATOR, 6" POP-UP WITH CHECK VALVE, FLOGUARD, PRESSURE REGULATED TO 40 PSI, WITH RECLAIMED BODY CAP, MP ROTATOR NOZZLE ON PRS40 BODY. ADJ=ORANGE AND GRAY (ARC 90-210), 360=LIME GREEN AND GRAY (ARC 360) | 3 | 40 |
| | HUNTER MP815 PROS-06-PRS40-CV-F-R TURF ROTATOR, 6" POP-UP WITH CHECK VALVE, FLOGUARD, PRESSURE REGULATED TO 40 PSI, WITH RECLAIMED BODY CAP, MP ROTATOR NOZZLE ON PRS40 BODY. M=MAROON AND GRAY ADJ ARC 90 TO 210, L=LIGHT BLUE AND GRAY 210 TO 270 ARC, O=OLIVE AND GRAY 360 ARC. | 68 | 40 |
| | HUNTER RZWS-SLEEVE-18-CV-R 18IN. LONG RZWS WITH FILTER FABRIC SLEEVE, .25 GPM OR .50 GPM BUBBLER OPTIONS, CHECK VALVE, 1/2IN. SWING JOINT FOR CONNECTION TO 1/2IN. PIPE WITH RECLAIMED CAP. | 186 | 30 |
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | PSI |
| | HUNTER I-40-06-SS-HS-R 15 TURF ROTOR, 6IN. POP-UP, ADJUSTABLE TO FULL CIRCLE. DRAIN CHECK VALVE, STAINLESS STEEL RISER, 1IN. FEMALE NPT INLET THREADS, HIGH SPEED NOZZLE. WITH PURPLE COVER FOR RECLAIMED WATER ID. | 3 | 60 |
| | HUNTER I-40-06-SS-R 10 TURF ROTOR, 6IN. POP-UP, ADJUSTABLE TO FULL CIRCLE. DRAIN CHECK VALVE, STAINLESS STEEL RISER, 1IN. FEMALE NPT INLET THREADS, STANDARD NOZZLE WITH PURPLE CAP. | 4 | 60 |
| | HUNTER I-40-06-SS-R 13 TURF ROTOR, 6IN. POP-UP, ADJUSTABLE TO FULL CIRCLE. DRAIN CHECK VALVE, STAINLESS STEEL RISER, 1IN. FEMALE NPT INLET THREADS, STANDARD NOZZLE WITH PURPLE CAP. | 7 | 60 |
| | HUNTER I-40-06-SS-R 15 TURF ROTOR, 6IN. POP-UP, ADJUSTABLE TO FULL CIRCLE. DRAIN CHECK VALVE, STAINLESS STEEL RISER, 1IN. FEMALE NPT INLET THREADS, STANDARD NOZZLE WITH PURPLE CAP. | 22 | 60 |
| | HUNTER I-40-06-SS-R 23 TURF ROTOR, 6IN. POP-UP, ADJUSTABLE TO FULL CIRCLE. DRAIN CHECK VALVE, STAINLESS STEEL RISER, 1IN. FEMALE NPT INLET THREADS, STANDARD NOZZLE WITH PURPLE CAP. | 23 | 60 |
| | HUNTER I-40-06-SS-R 25 TURF ROTOR, 6IN. POP-UP, ADJUSTABLE TO FULL CIRCLE. DRAIN CHECK VALVE, STAINLESS STEEL RISER, 1IN. FEMALE NPT INLET THREADS, STANDARD NOZZLE WITH PURPLE CAP. | 6 | 60 |

IRRIGATION SCHEDULE CONTINUED

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY |
|--------|---|-------------|
| | HUNTER ICZ-101-LF-R-40 DRIP CONTROL ZONE KIT. 1IN. ICV GLOBE VALVE WITH 1IN. HY100 FILTER SYSTEM & PVC BALL VALVE. PRESSURE REGULATION: 40PSI. FLOW RANGE: 5 GPM - 15 GPM. 150 MESH STAINLESS STEEL SCREEN. RECLAIMED PURPLE FILTER COVER AND HANDLE. | 3 |
| | HUNTER ICZ-151-XL-R-40 DRIP CONTROL ZONE KIT. 1-1/2IN. ICV GLOBE VALVE WITH 1IN. HY100 FILTER SYSTEM & PVC BALL VALVE. PRESSURE REGULATION: 40PSI. FLOW RANGE: 20 GPM TO 60 GPM. 120 MESH STAINLESS STEEL SCREEN. 1-1/2IN. INLET X SINGLE 2IN. OUTLET. WITH RECLAIMED WATER HANDLE. | 3 |
| | PIPE TRANSITION POINT PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER | 20 |
| | MANUAL FLUSH VALVE MANUAL FLUSH VALVE WITH PURPLE HANDLE AND BARBED INSERTS. INSTALL IN 10" ROUND PURPLE VALVE BOX PER CITY STANDARD DETAIL. | 24 |
| | HUNTER ECO-ID-12-R ECO-ID: 1/2IN. FPT CONNECTION WITH 15 PSI - 100 PSI OPERATING PRESSURE. SPECIFY WITH HUNTER SJ SWING JOINT. RECLAIMED. | 4 |
| | AREA TO RECEIVE DRIPLINE NETAFIM TLHCVXR-RW-053-18 TECHLINE HCVR-CS PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH COPPER STRIPE, CHECK VALVE AND ANTI-SIPHON FEATURE. 0.53 GPH EMITTERS AT 18" O.C. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. 17MM. | 29,776 S.F. |
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY |
| | EXISTING VALVE EXISTING VALVE TO REMAIN, PROTECT IN PLACE. MODIFY WIRING AS NEEDED TO ACCOMMODATE NEW IRRIGATION CONTROLLER CONNECTION. | 3 |
| | HUNTER IBV-FS-R BRASS ELECTRIC REMOTE CONTROL VALVE, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET W/FILTER SENTRY FACTORY INSTALLED OPTION. RECLAIMED WATER ID PURPLE TAG. | 29 |
| | HUNTER HQ-5LRC-R QUICK COUPLER VALVE, PURPLE LOCKING RUBBER COVER FOR RECLAIMED WATER USE, RED BRASS AND STAINLESS STEEL, WITH 1IN. NPT INLET, 1-PIECE BODY. | 14 |
| | NIBCO T-113-K CLASS 125 BRONZE GATE SHUT OFF VALVE WITH CROSS HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. | 20 |
| | BUCKNER-SUPERIOR 3200 3" NORMALLY CLOSED BRASS MASTER VALVE THAT PROVIDES DIRTY WATER PROTECTION AND NO MINIMUM FLOW FEATURE, WHICH ENSURES RELIABLE OPENING AND CLOSING OF THE VALVE IN EXTREME HIGH OR LOW FLOW SCENARIOS. | 1 |
| | IRRIGATION CONTROLLER SA6-RM6-56-DXICA-PMR-CAC-FAN-16-GR-K - RAIN MASTER CENTRAL CONTROL W/TOP ENTRY STAINLESS STEEL PEDESTAL, CELLULAR MODEM W/ANTENNA-INCLUDES 10 YRS. LTE CELLULAR SERVICE, PROMAX REMOTE RECEIVER KIT, THERMOSTATICALLY CONTROLLED FAN TO MAINTAIN DESIRED ENCLOSURE TEMPERATURE, & GROUND ROD THAT INCLUDES 8' GROUND ROD, CLAMP & 15' OF #6 GAUGE BARE COPPER WIRE. | 1 |
| | CREATIVE SENSOR TECHNOLOGY FSI-T20-001 2IN. PVC TEE TYPE FLOW SENSOR W/SOCKET ENDS, CUSTOM MOUNTING TEE AND ULTRA-LIGHTWEIGHT IMPELLER ENHANCES LOW FLOW MEASUREMENT. FLOW RANGE 10.6 LPM/2.8 GPM - 170 GPM. | 1 |
| | BOOSTER PUMP 130 GPM MAX, XX PSI INCREASE. V-POWER EQUIPMENT (916) 266-6743. | 1 |
| | CAP FOR FUTURE USE CAP AND STUB UP MAINLINE AND 12 CONTROL WIRES FOR FUTURE USE IN VALVE BOX. THE ESTIMATED PRESSURE AND FLOW PROVIDED TO THAT LOCATION ARE INDICATED NEXT TO THE CAP SYMBOL. | 1 |
| | POINT OF CONNECTION ESTIMATE BEFORE PUMP MANUFACTURER GIVES THE PRECISE BOOST FOR THE PARK. | 1 |
| | IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 | 11,167 L.F. |
| | IRRIGATION MAINLINE: PVC SCHEDULE 40-NP 3/4" TO 1-1/2" | 601.8 L.F. |
| | IRRIGATION MAINLINE: PVC CLASS 315 SDR 13.5-NP 2" TO 4" | 319.7 L.F. |
| | IRRIGATION MAINLINE: PVC CLASS 315 SDR 13.5-NP MAINLINE LOOP 3" MINIMUM | 1,763 L.F. |
| | IRRIGATION MAINLINE: EXISTING PVC SCHEDULE 40 EXISTING 1-1/2" MAINLINE | 196.7 L.F. |
| | PIPE SLEEVE: PVC SCHEDULE 40 PIPE SLEEVE SIZE SHALL BE 2X THE DIAMETER OF ALL PIPE AND WIRING BEING SLEEVED. EXTEND SLEEVES 12 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION. | 291.1 L.F. |

CRITICAL ANALYSIS

Generated: 2023-06-28 16:28

P.O.C. NUMBER: 01
Water Source Information: Estimate before pump manufacturer gives the precise boost for the park.

FLOW AVAILABLE
Custom Max Flow: 130 GPM
Flow Available: 130 GPM

PRESSURE AVAILABLE
Static Pressure at POC: 0 PSI
Booster Pump pressure provided: 100 PSI
Pressure Available: 100 PSI

DESIGN ANALYSIS
Maximum Multi-valve Flow: 87 GPM
Flow Available at POC: 130 GPM
Residual Flow Available: 43 GPM

Critical Station:
Design Pressure: 60 PSI
Friction Loss: 3.68 PSI
Fittings Loss: 0.37 PSI
Elevation Loss: 0 PSI
Loss through Valve: 2.99 PSI
Pressure Req. at Critical Station: 67.0 PSI
Loss for Fittings: 0.3 PSI
Loss for Main Line: 2.96 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 0 PSI
Loss for Master Valve: 2.38 PSI
Critical Station Pressure at POC: 72.7 PSI
Pressure Available: 100 PSI
Residual Pressure Available: 27.3 PSI

IRRIGATION KEYNOTES

| CODE | DESCRIPTION |
|------|--|
| I-01 | IRRIGATION EQUIPMENT/PIPING SHOWN IN CONCRETE FOR CLARITY ONLY. LOCATE PIPE AND EQUIPMENT IN PLANTER AREA AT BACK OF WALK. ARROW INDICATES DIRECTION TO LOCATE PIPE. |
| I-02 | POINT OF CONNECTION 3" MAINLINE LOOPED SYSTEM MIN. STATIC WATER PRESSURE: 0 PSI DESIGN PRESSURE: XX PSI MAXIMUM FLOW: 130 GPM BOOSTER PUMP INCREASE: XX PSI |
| I-03 | REPLACE EXISTING VALVE WITH NEW CONTROL VALVE. CONNECT EXISTING PIPE TO SPRAY SYSTEM TO NEW VALVE. REPLACE VALVE BOX, GRAVEL, ETC. PER DETAIL. CLEAR DIRT AND DEBRIS IN LATERAL LINE BEFORE CONNECTING NEW VALVE AND ENSURE EXISTING SPRAY HEADS ARE IN WORKING CONDITION. NOTIFY OWNER IF SYSTEM IS NOT FUNCTIONAL. |
| I-04 | EXISTING IRRIGATION TO REMAIN. PROTECT-IN-PLACE. ENSURE EXISTING IRRIGATION SPRAY HEAD SYSTEM CREATE 100% COVERAGE. MOVE/REPLACE SPRAY HEADS IN EXISTING SYSTEM IN LIKE-KIND IF OVER OR UNDER COVERAGE OCCURS. |

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

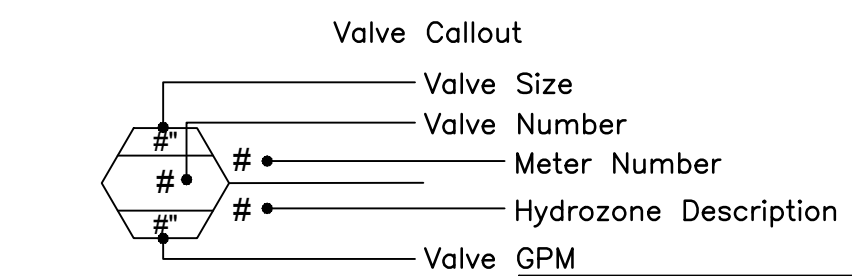
LANDSCAPE ARCHITECT DATE

DRIP INSTALLATION NOTES:
1. INSTALL PVC PIPE OR RAIN BIRD OR DRIPLINE HEADER (3/4" OR 1") PERPENDICULAR SUPPLY LINES EVERY 50' O.C. FROM VALVE TO END(S) OF EACH DRIP ZONE.
2. INSTALL PVC PIPE OR RAIN BIRD OR DRIPLINE HEADER AS A FOOTER OR EXHAUST HEADER AT THE END(S) OF EACH DRIP ZONE.

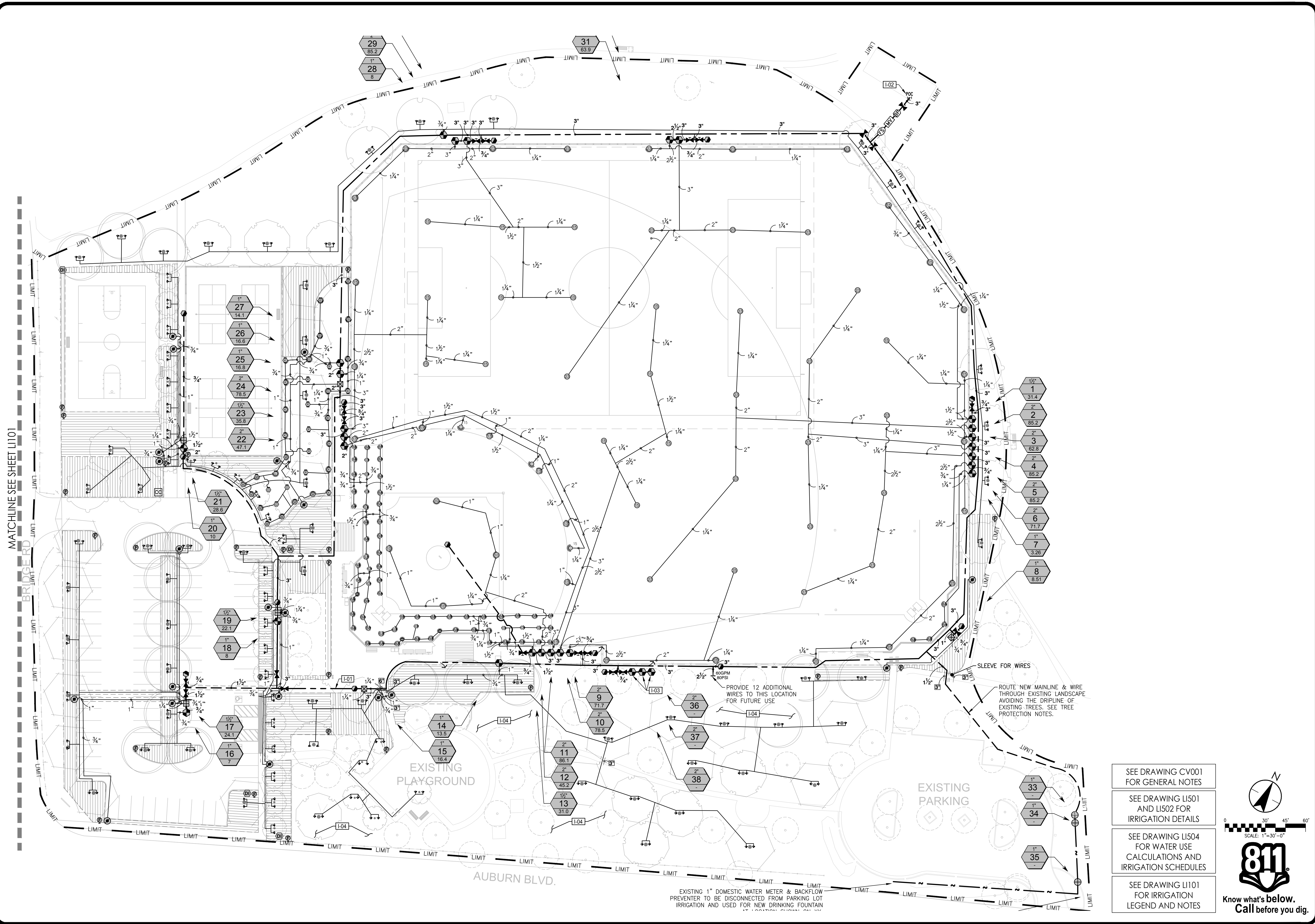
SEE DRAWING L1504 FOR WATER USE CALCULATIONS AND IRRIGATION SCHEDULES

SEE DRAWING L1501-L1503 FOR IRRIGATION DETAILS

SEE DRAWING CV001 FOR GENERAL NOTES



Know what's below. Call before you dig.



- SEE DRAWING CV001 FOR GENERAL NOTES
- SEE DRAWING LI501 AND LI502 FOR IRRIGATION DETAILS
- SEE DRAWING LI504 FOR WATER USE CALCULATIONS AND IRRIGATION SCHEDULES
- SEE DRAWING LI101 FOR IRRIGATION LEGEND AND NOTES

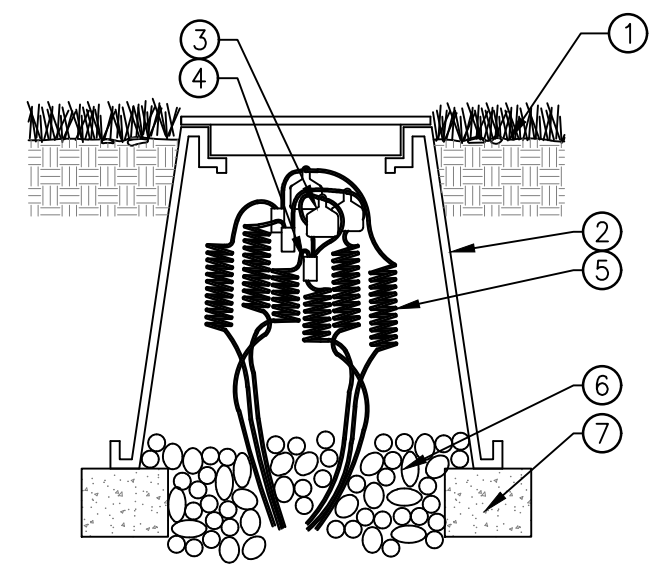
0 30' 45' 60'
SCALE: 1"=30'-0"

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

RENFREE FIELD RENOVATION
DEL PASO REGIONAL PARK
IRRIGATION PLAN

DESIGN BY: **Stantec**
DATE: 05.01.2023
SCALE: 1"=30'-0"
P. N. LI9-3000-02
REVISIONS

RENFREE FIELD RENOVATION DEL PASO REGIONAL PARK (LI9300002)

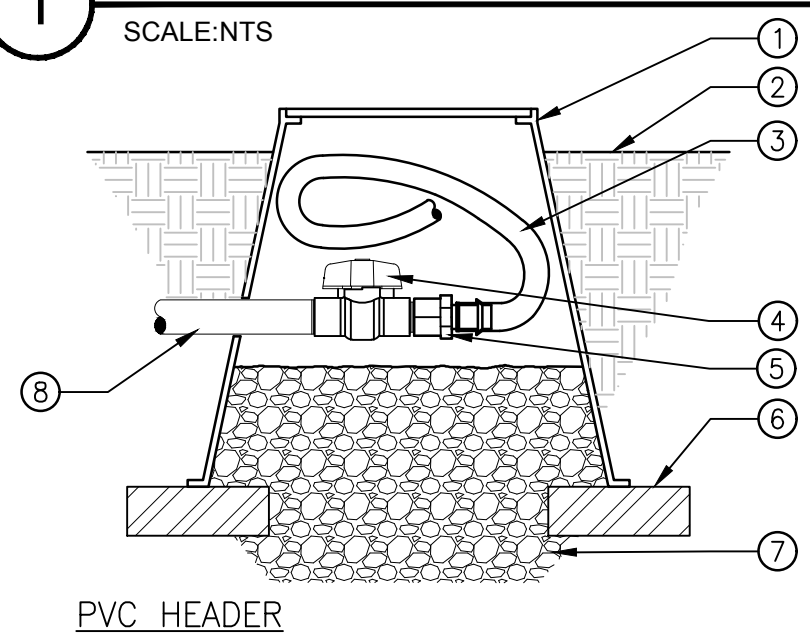


- 1 FINISHED GRADE.
- 2 PLASTIC 7" ROUND VALVE BOX FOR LESS THAN EIGHT (8) WIRES. PLASTIC 12"x17" VALVE BOX FOR MORE THAN EIGHT (8) WIRES. HEAT BRAND "P.B." ON COVER.
- 3 VALVE ID TAG (TYP.)
- 4 WATERPROOF CONNECTORS (TYP.)
- 5 12" PIGTAIL (MIN.) EACH SIDE OF WATERPROOF CONNECTOR
- 6 3/8" PEA GRAVEL 1 CU.FT.
- 7 STANDARD BRICKS, 4 TOTAL

1 CONTROL WIRE PULL BOX IN VALVE BOX

SCALE:NTS

PROJ-DEL-98



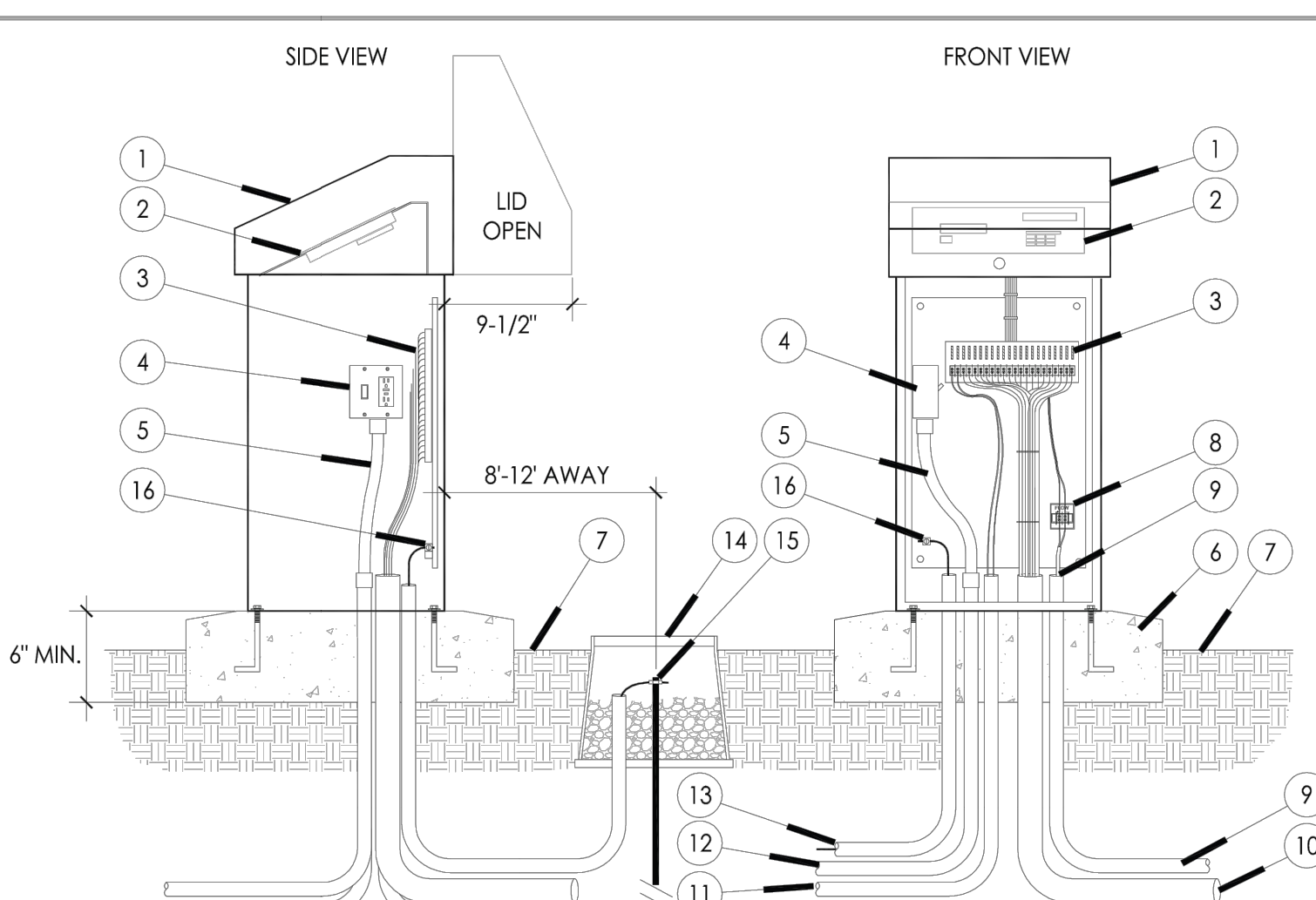
- 1 10" ROUND PLASTIC VALVE BOX WITH COVER.
- 2 FINISH GRADE.
- 3 1/2" IPS FLEX HOSE COIL, 24" TO 30" AS REQUIRED TO REMOVE END FOR FLUSHING.
- 4 PVC BALL VALVE.
- 5 MALE THREADED COUPLER TO BARBED ADAPTER.
- 6 STANDARD BRICK, LOCATE IN 3 PLACES.
- 7 12" DEPTH OF 3/4" DIA DRAIN ROCK. PLACE ROCK PRIOR TO PLACING VALVE BOX.
- 8 PVC HEADER.
- 9 DRIP TUBE.

NOTES:
INSTALL FLUSH VALVE(S) AT ALL END POINTS OF EACH DRIP ZONE.

3 MANUAL FLUSH VALVE

SCALE:NTS

SECTION PROJ-DEL-29



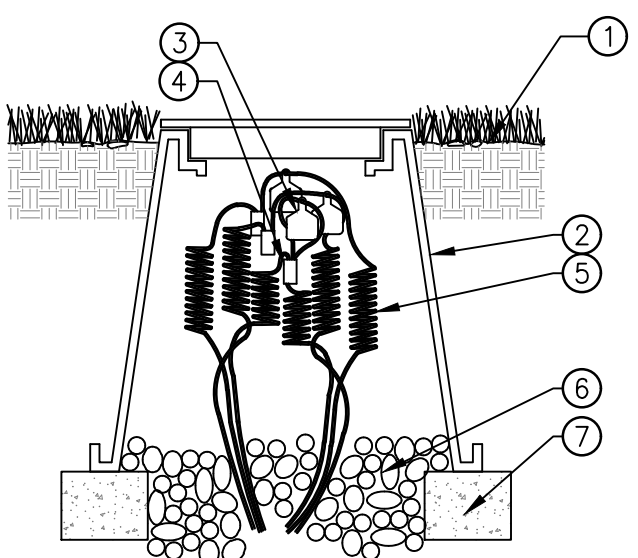
- 1 STRONGBOX STAINLESS STEEL NEMA 3R RAINPROOF ENCLOSURE (UL LISTED).
- 2 SATELLITE ASSEMBLY, ASSEMBLED IN ENCLOSURE BY SITEONE GREEN TECH.
- 3 TERMINAL STRIP FOR VALVE WIRES.
- 4 POWER SWITCH / GFCI RECEPTACLE.
- 5 ELECTRICAL FLEX CONDUIT FOR POWER.
- 6 6" MIN THICK, CONCRETE PAD WITH ANCHOR BOLTS PER MANUFACTURER RECOMMENDATIONS.
- 7 FINISHED GRADE.
- 8 FLOW SENSOR TERMINAL BOARD.
- 9 1" CONDUIT AND SWEEP ELL WITH FLOW SENSOR CABLE.
- 10 3" CONDUIT AND SWEEP ELL FOR LEAD WIRES.
- 11 1" CONDUIT AND SWEEP ELL FOR MASTER VALVE WIRES.
- 12 1" CONDUIT AND SWEEP ELL FOR 110 VAC POWER LINE.
- 13 1" CONDUIT AND SWEEP ELL FOR GROUND WIRE.
- 14 10" ROUND VALVE BOX AROUND GROUND ROD. FILL WITH 3/4" CRUSHED ROCK.
- 15 5/8" X 8' GROUND ROD WITH #6 GROUND WIRE AND CLAMP. LOCATE 8'-12" FROM ENCLOSURE.
- 16 #6 GROUND WIRE SECURED TO BACKBOARD GROUNDING TERMINAL.

NOTE: SEE IRRIGATION LEGEND CALL OUT FOR INCLUDED SATELLITE COMMUNICATION COMPONENTS. SUGGESTED CONDUIT SIZES MAY NEED TO BE LARGER.

SA6 - STRONGBOX: SB-16SS (16"W x 38"H x 15.5"D)
TOP ENTRY ENCLOSURE - CONCRETE PAD



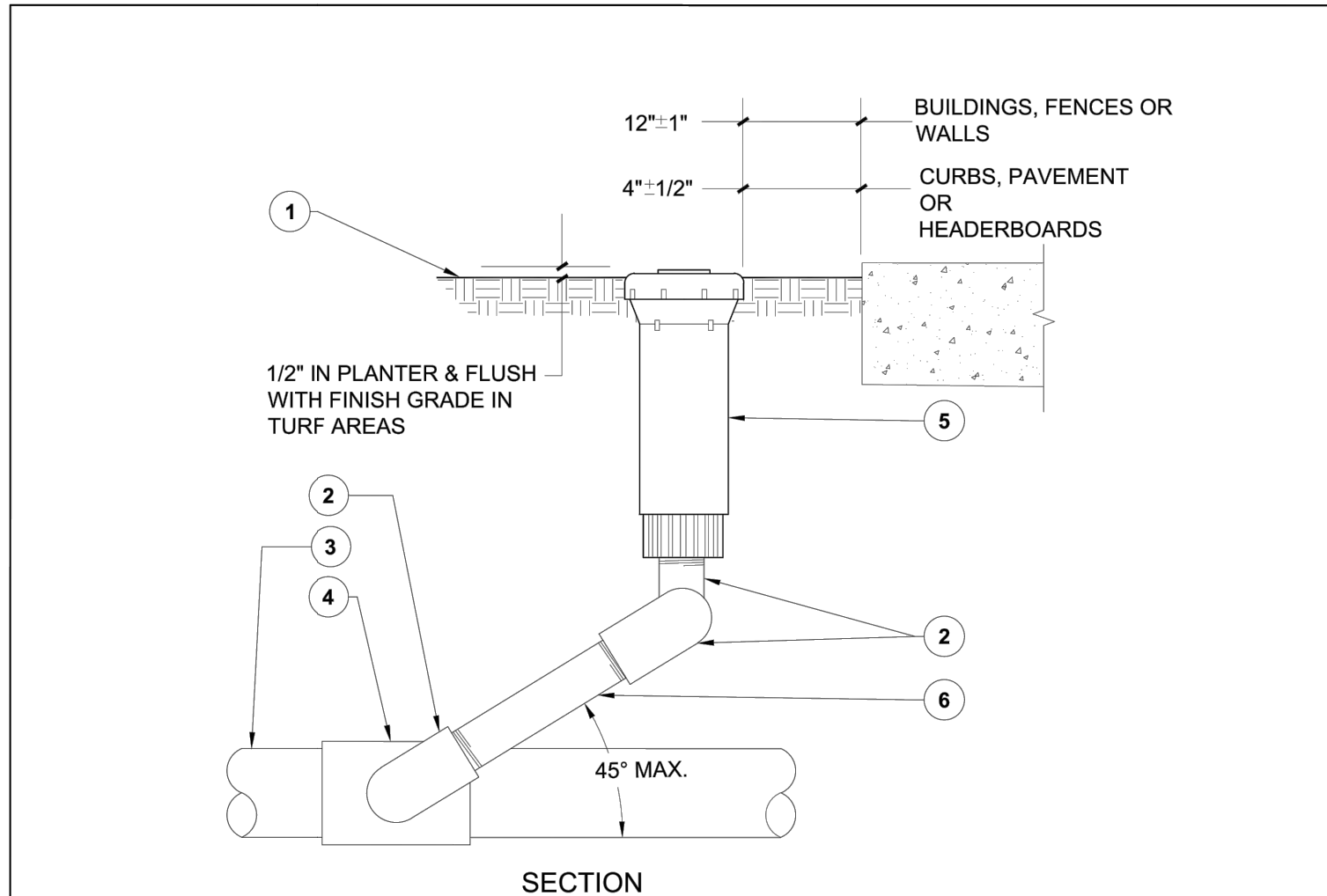
6 SATELLITE ASSEMBLY (SA SERIES)



- 1 FINISHED GRADE.
- 2 11"x17" CONCRETE ELECTRICAL PULL BOX.
- 3 VALVE ID TAG (TYP.)
- 4 WATERPROOF CONNECTORS (TYP.)
- 5 12" PIGTAIL (MIN.) EACH SIDE OF WATERPROOF CONNECTOR
- 6 3/8" PEA GRAVEL 1 CU.FT.
- 7 STANDARD BRICKS, 4 TOTAL

2 CONTROL WIRE PULL BOX

SCALE:NTS



CALLOUTS

- 1 FINISH GRADE.
- 2 MARLEX STREET ELLS.
- 3 IRRIGATION LATERAL.
- 4 PVC SCHEDULE 40, 90 DEGREE ELL (SxT) OR TEE (SxSxT)
- 5 POP-UP SPRAY HEAD.
- 6 PVC SCHEDULE 40 NIPPLE. (LENGTH AS REQUIRED).

NOTE

SPRAY HEADS LOCATED ADJACENT TO ROADWAYS AND PARKING LOTS SHALL BE LOCATED 24" FROM EDGE OF HARDSCAPE. SCH 40 FITTINGS TYP.

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |

CITY OF SACRAMENTO
Department of Youth, Parks and Community Enrichment

SPRAY HEAD

APPR'D BY: NO SCALE
DATE: JANUARY 2020 DWG. NO. L-806

5 SPRAY HEAD

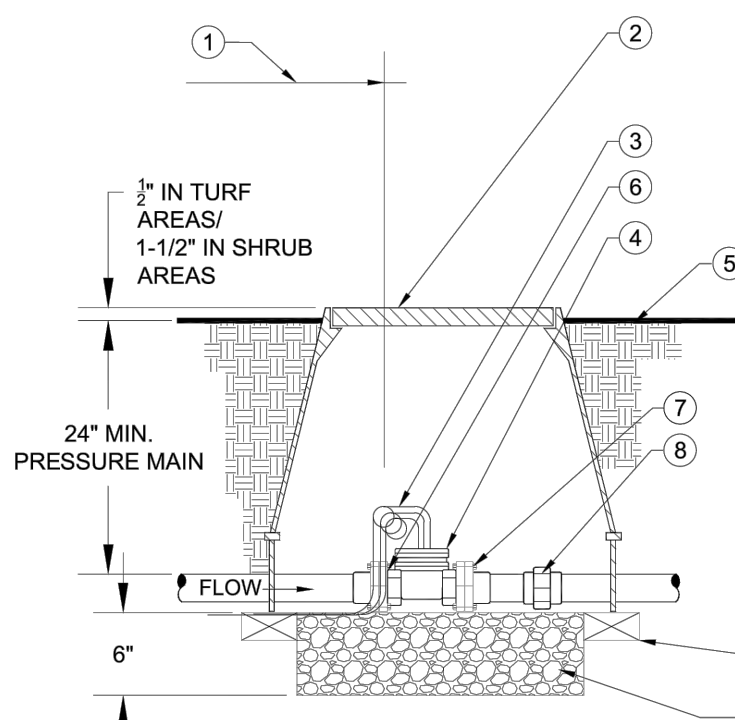
SCALE:NTS

CSTD-SACTO-11

4 DRIP OPERATION INDICATOR

SCALE:NTS

SECTION PROJ-DEL-12



CALL OUTS

- 1 REDUCE BENDS, FITTINGS, ETC. FOR A DISTANCE EQUAL TO 10X THE DIA. OF THE PIPE. SIMILAR ON BOTH SIDES OF SENSOR
- 2 PLASTIC VALVE BOX WITH BOLT DOWN COVER AND BOX EXTENSION IF REQUIRED. REFER TO SPECIFICATIONS.
- 3 PIGTAIL EXPANSION LOOP (18" MIN. LOOP)
- 4 FLOW SENSOR
- 5 FINISH GRADE
- 6 COMMUNICATION CABLE. RETURN TO CONTROLLER IN 1" GREY SCH. 40 PVC CONDUIT
- 7 SCH. 80 PVC FLANGES TYP. (2) PLACE
- 8 SCH. 80 PVC UNION DOWNSTREAM OF VALVE
- 9 BRICK OR CINDER BLOCK TYP. (2) PLACES
- 10 PLACE 3/4" DIA DRAIN ROCK AT BASE OF VALVE BOX PRIOR TO INSTALLATION.

NOTES:

- 1. INSTALL FLOW SENSOR A MINIMUM OF 12" FROM ANY STRUCTURES OR HARDSCAPE.
- 2. INSTALL FLOW SENSOR IN PLANTING BEDS WHEREVER POSSIBLE
- 3. PLACE VALVE BOX AT RIGHT ANGLES TO STRUCTURES OR HARDSCAPE.
- 4. INSTALL VALVE BOX SO THAT TOP OF VALVE BOX IS FLUSH WITH FINISH GRADE OF ADJACENT HARDSCAPING.

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |

CITY OF SACRAMENTO
Department of Youth, Parks and Community Enrichment

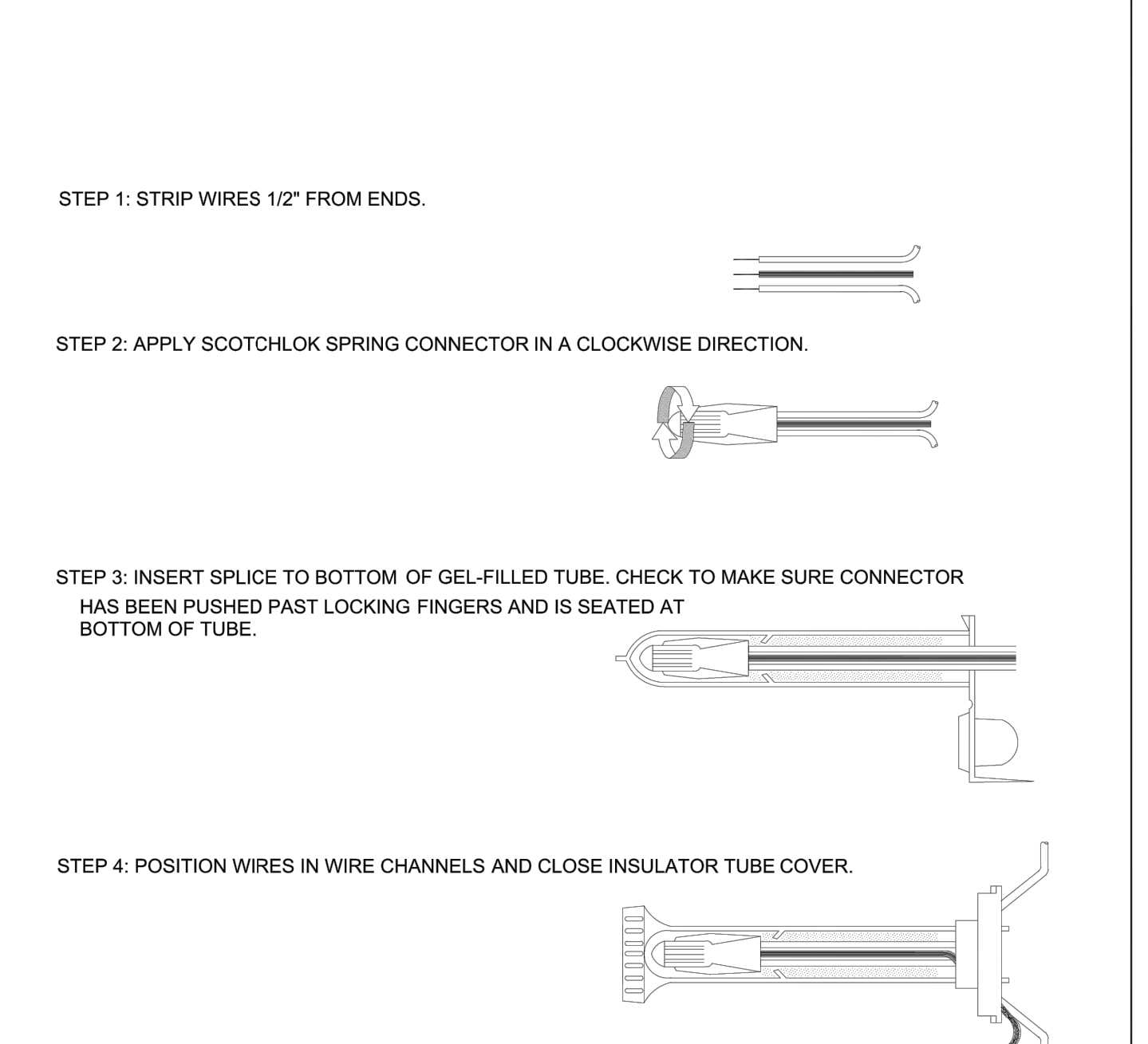
SINGLE FLOW SENSOR

APPR'D BY: NO SCALE
DATE: JANUARY 2020 DWG. NO. L-804

7 SINGLE FLOW SENSOR

SCALE:NTS

CSTD-SACTO-12



STEP 1: STRIP WIRES 1/2" FROM ENDS.

STEP 2: APPLY SCOTCHLOK SPRING CONNECTOR IN A CLOCKWISE DIRECTION.

STEP 3: INSERT SPLICE TO BOTTOM OF GEL-FILLED TUBE. CHECK TO MAKE SURE CONNECTOR HAS BEEN PUSHED PAST LOCKING FINGERS AND IS SEATED AT BOTTOM OF TUBE.

STEP 4: POSITION WIRES IN WIRE CHANNELS AND CLOSE INSULATOR TUBE COVER.

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |

CITY OF SACRAMENTO
Department of Youth, Parks and Community Enrichment

WIRE CONNECTION

APPR'D BY: NO SCALE
DATE: JANUARY 2020 DWG. NO. L-809

8 WIRE CONNECTION

SCALE:NTS

CSTD-SACTO-18

DESIGN BY:



DATE 05.01.2023

SCALE 1" = 30'-0"

P. N. L19-3000-02

REVISIONS

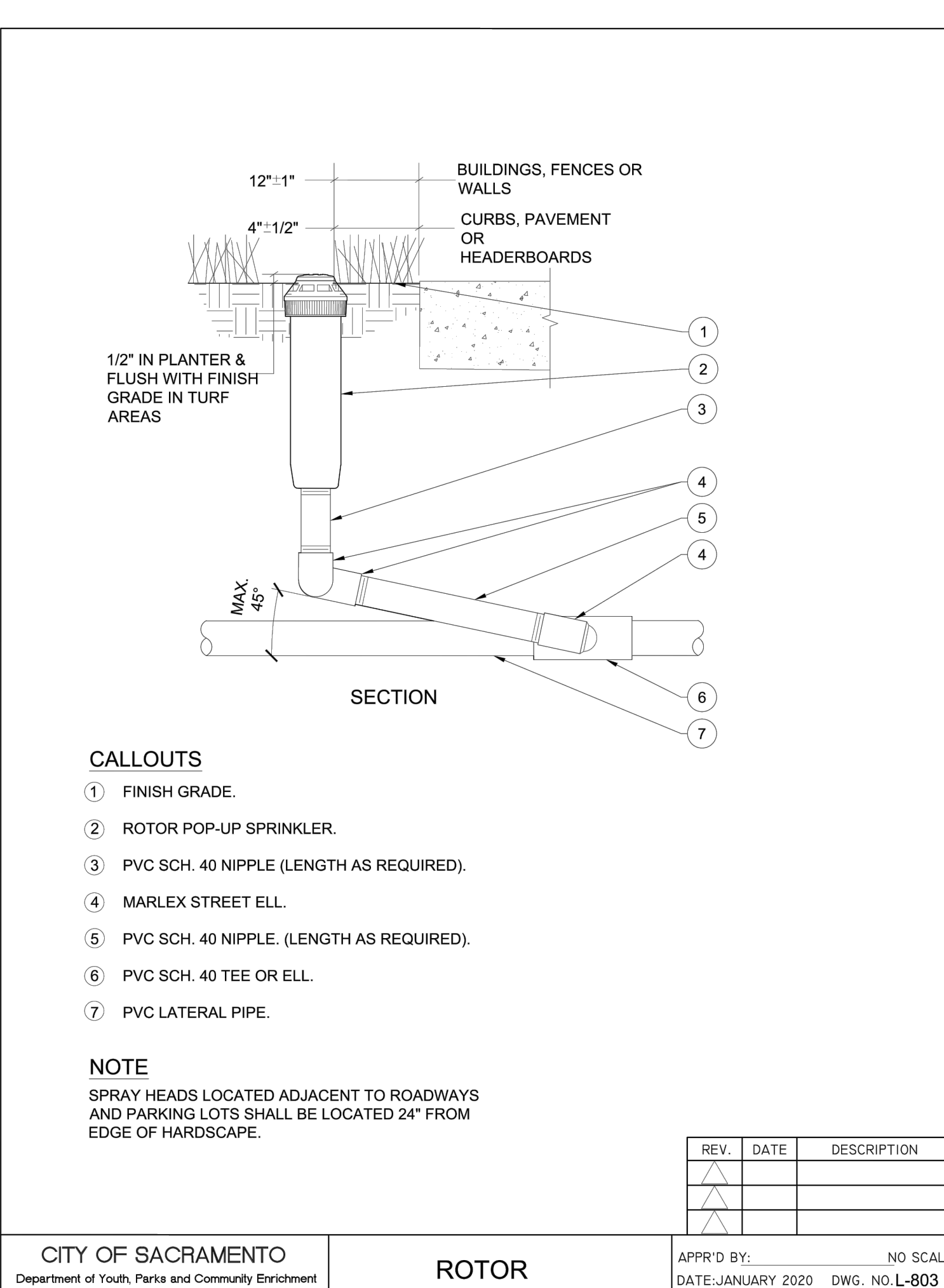
PRELIMINARY
NOT FOR CONSTRUCTION

SHEET NO.

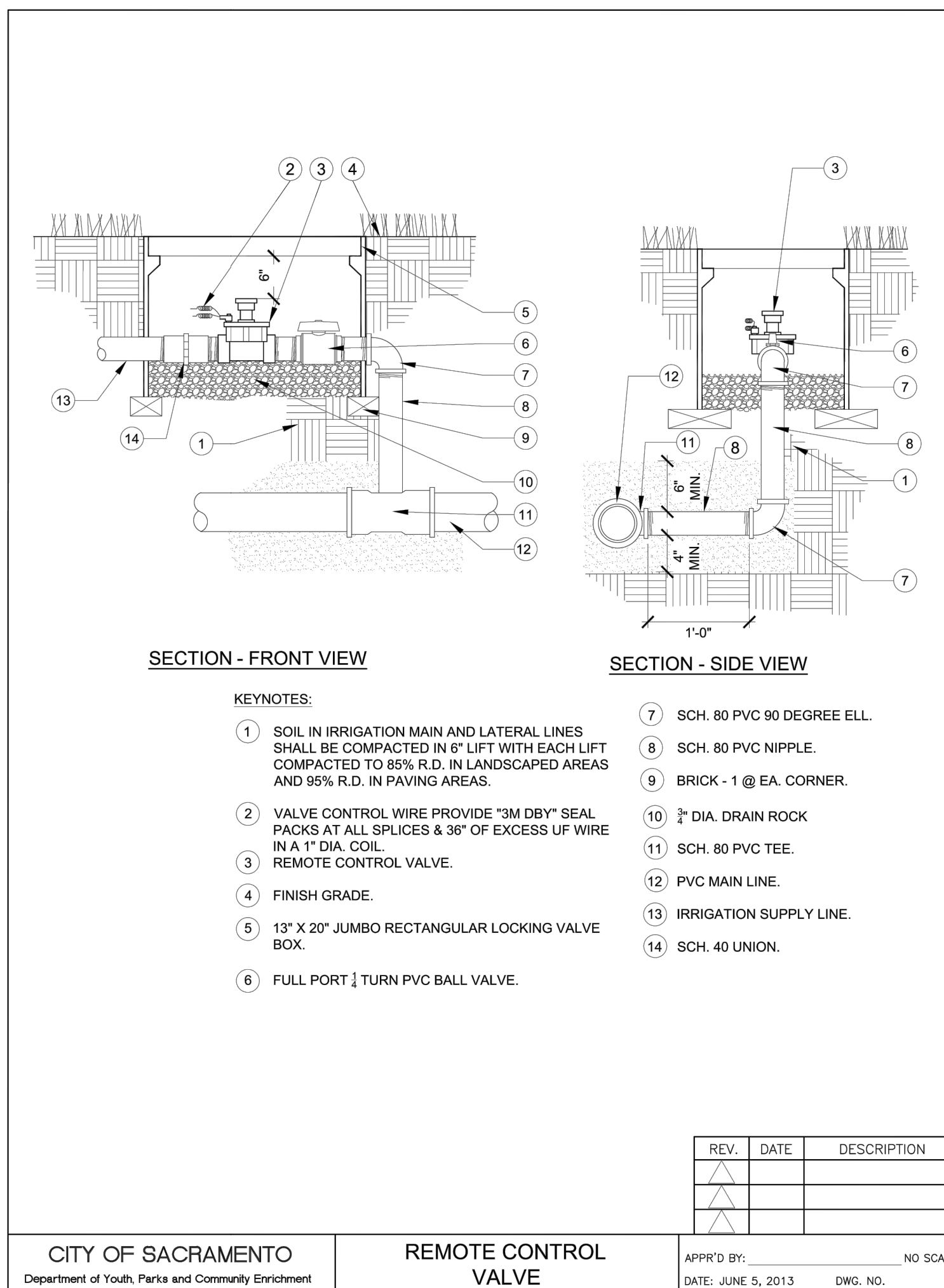
L1501 of XX



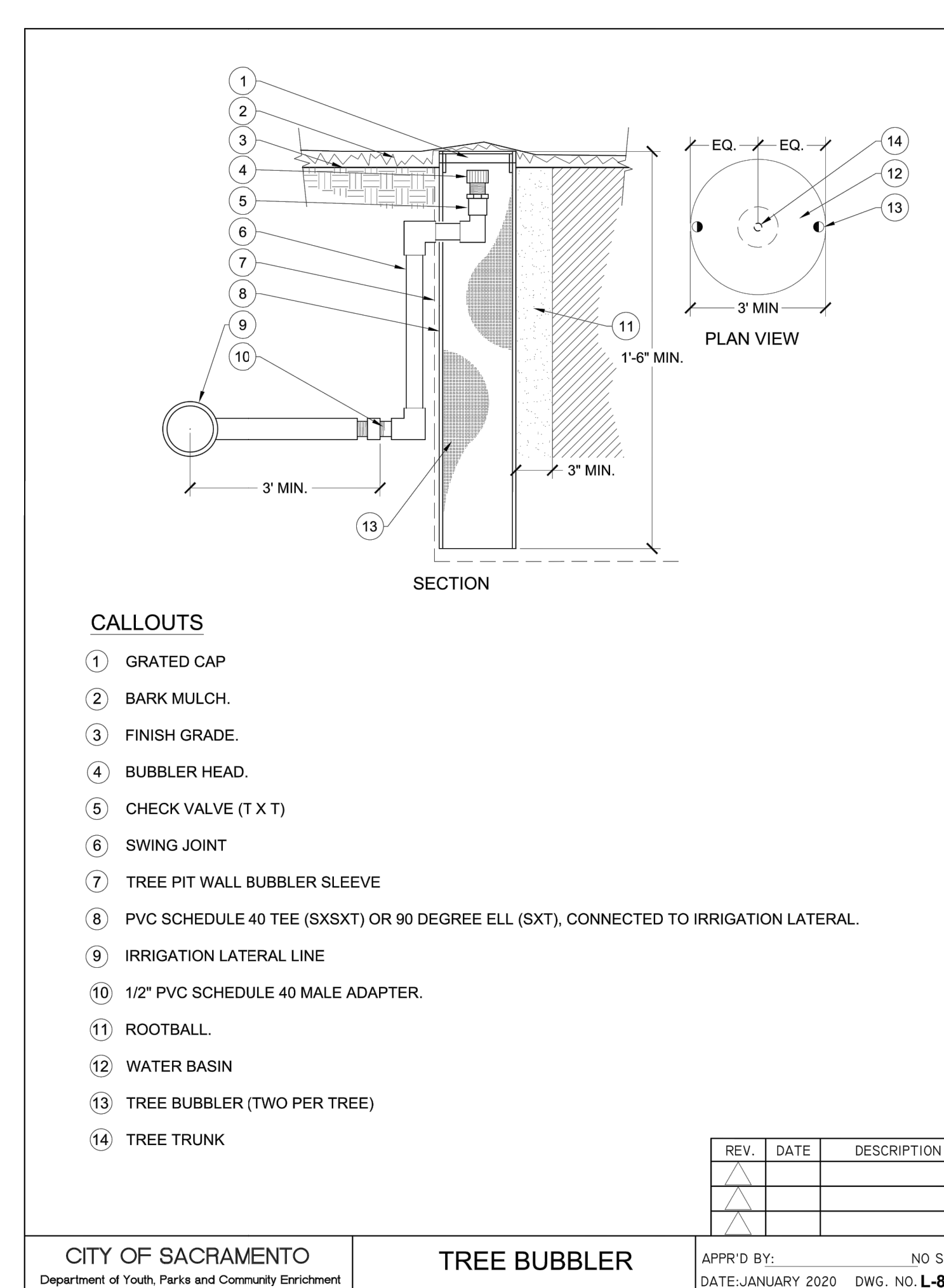
Know what's below.
Call before you dig.



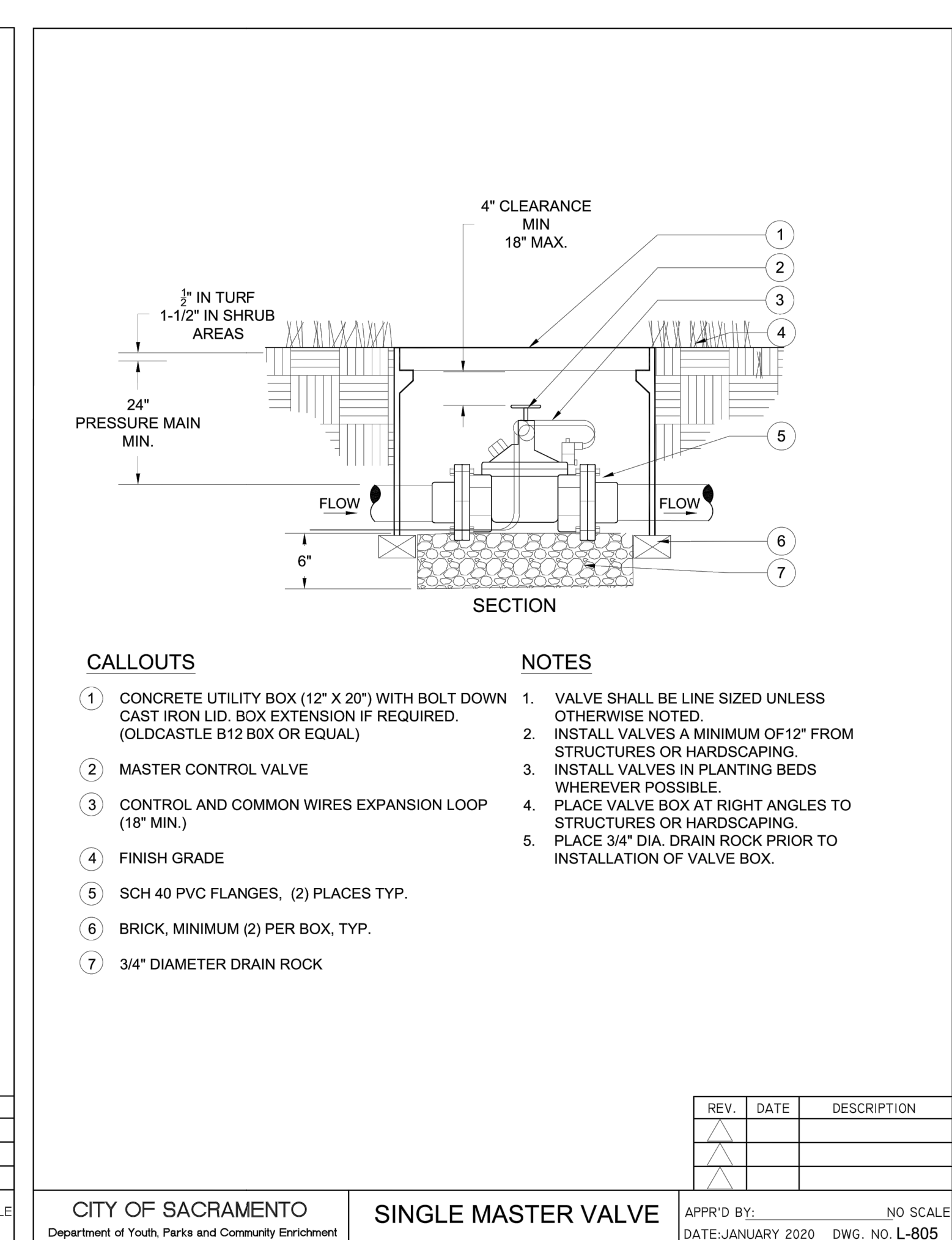
1 ROTOR
SCALE: NTS



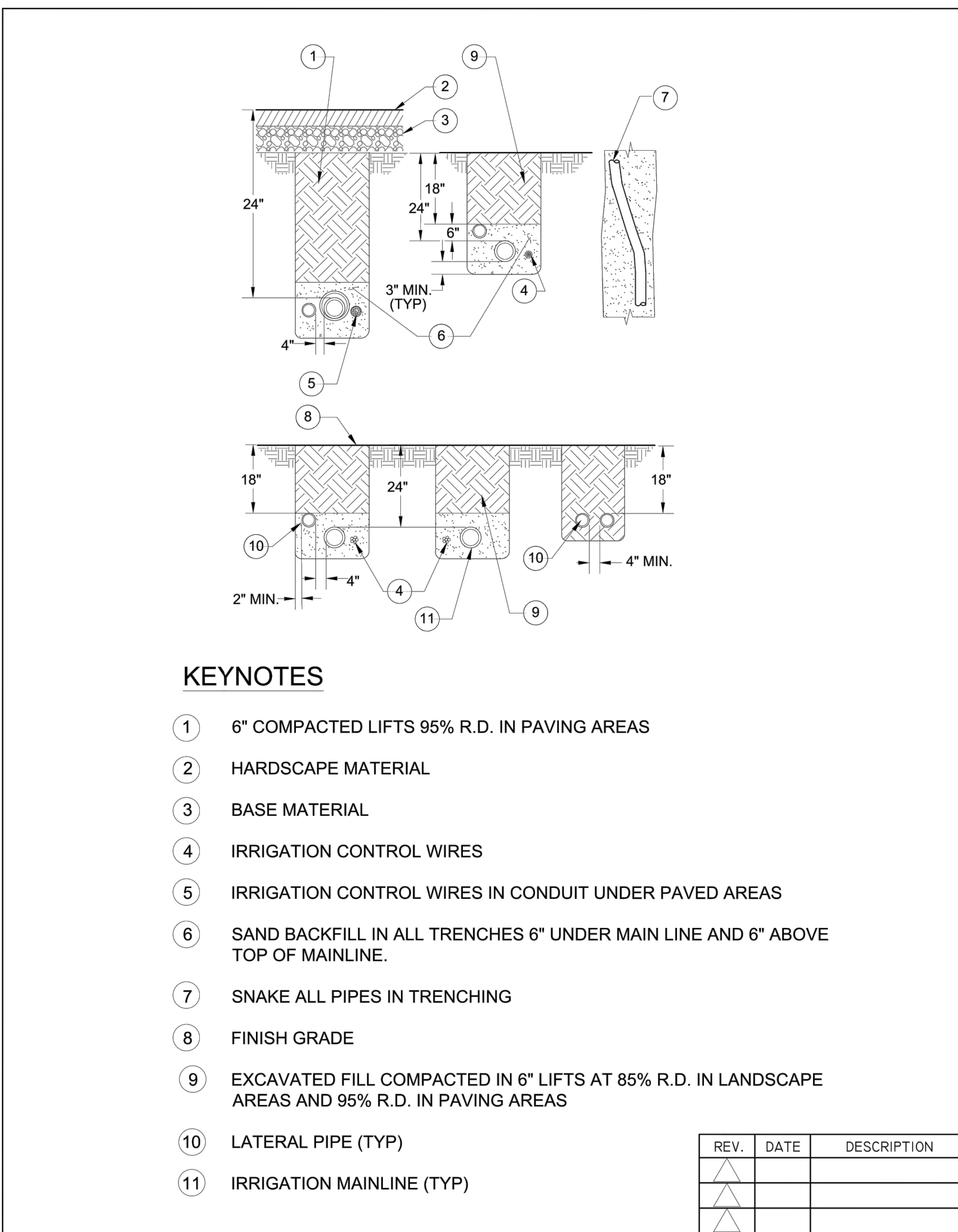
2 REMOTE CONTROL VALVE
SCALE: NTS



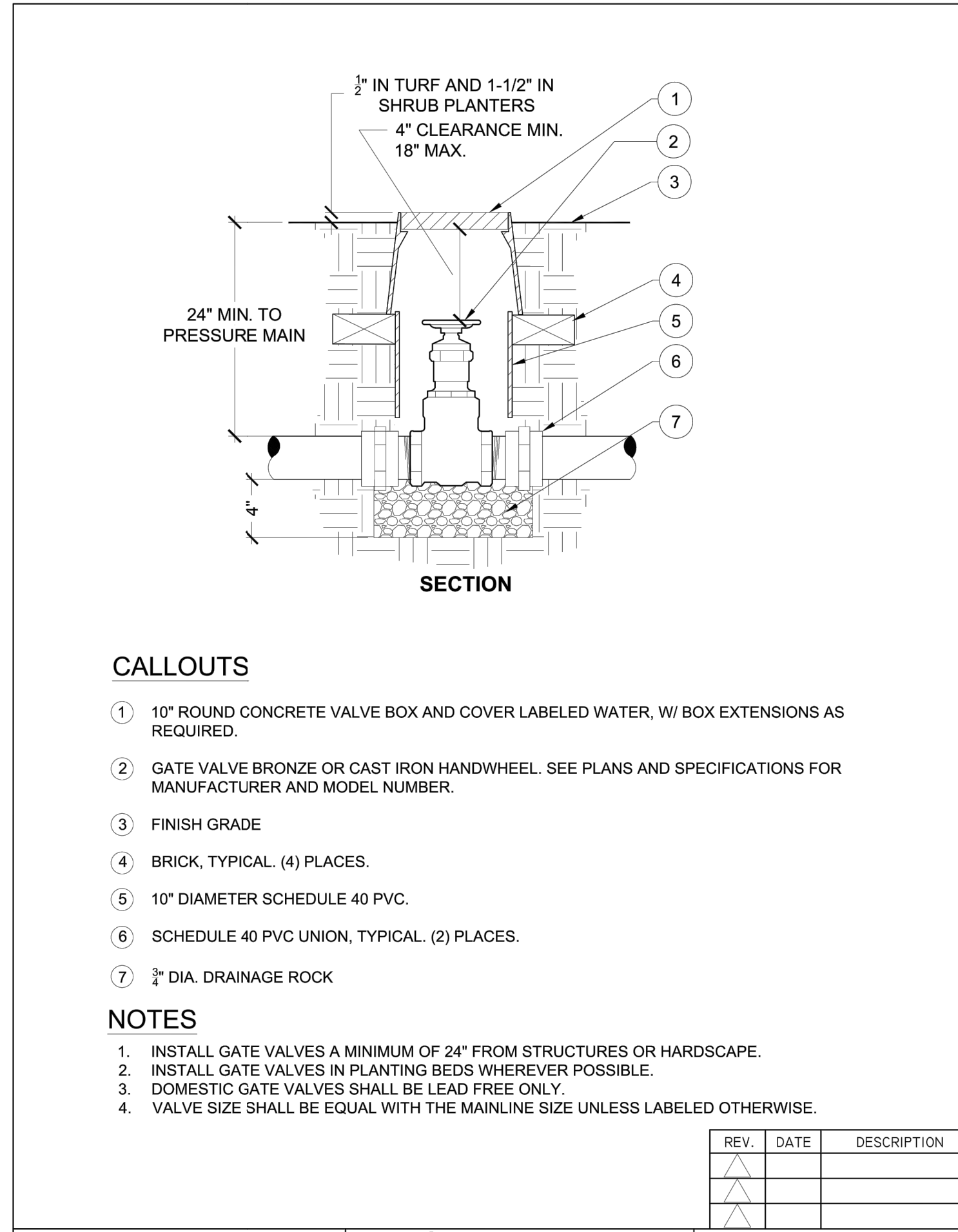
3 TREE BUBBLER
SCALE: NTS



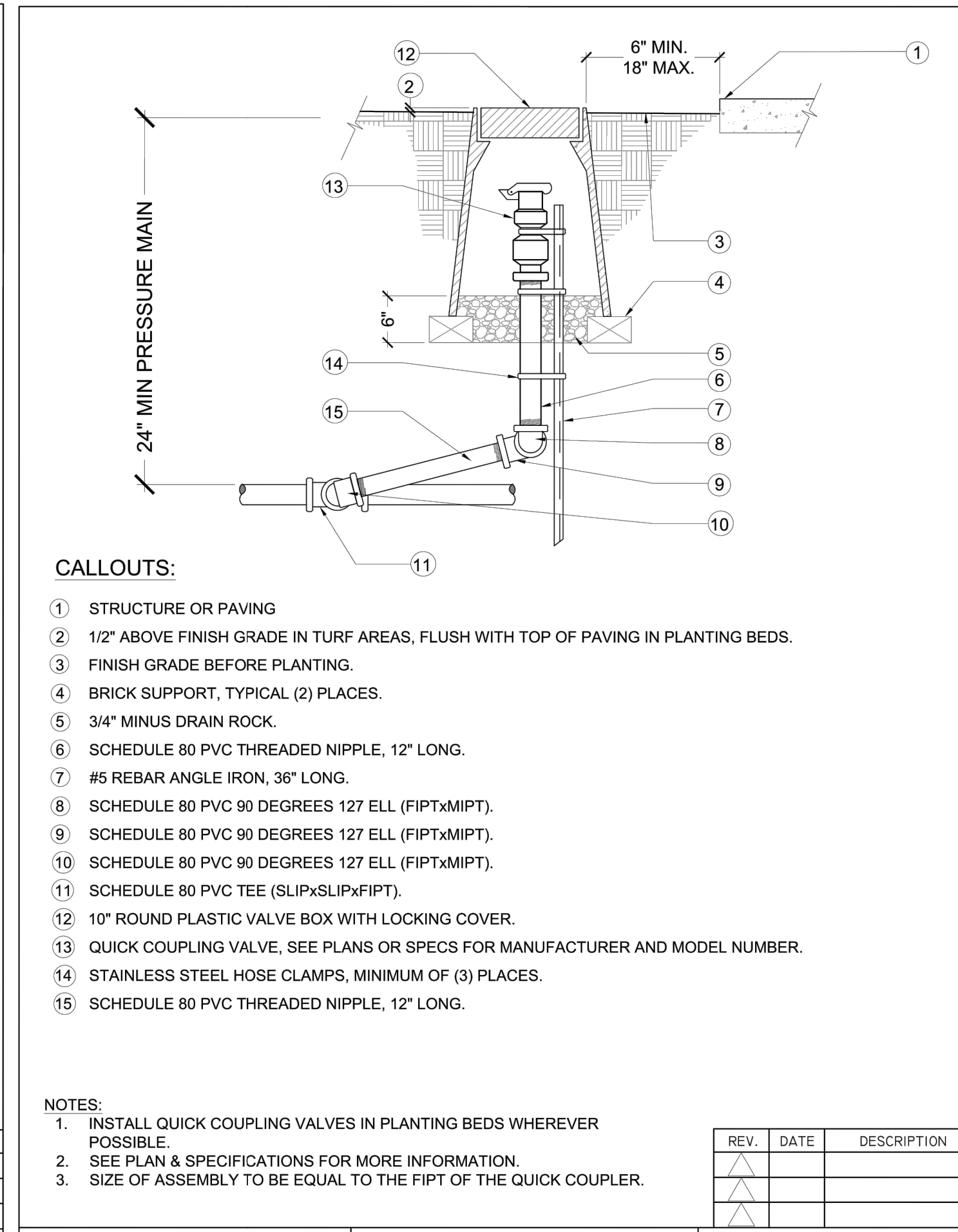
4 SINGLE MASTER VALVE
SCALE: NTS



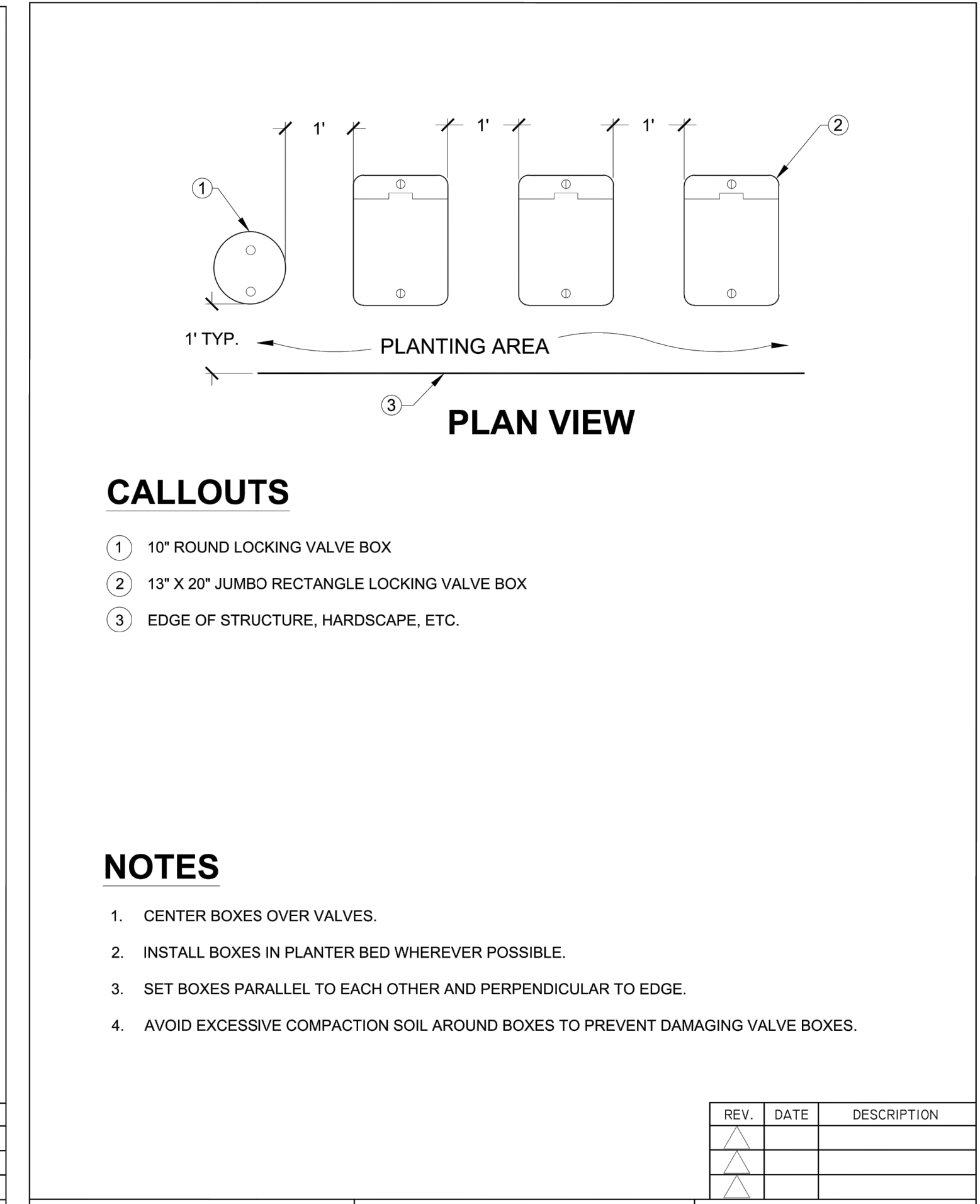
5 TRENCH
SCALE: NTS



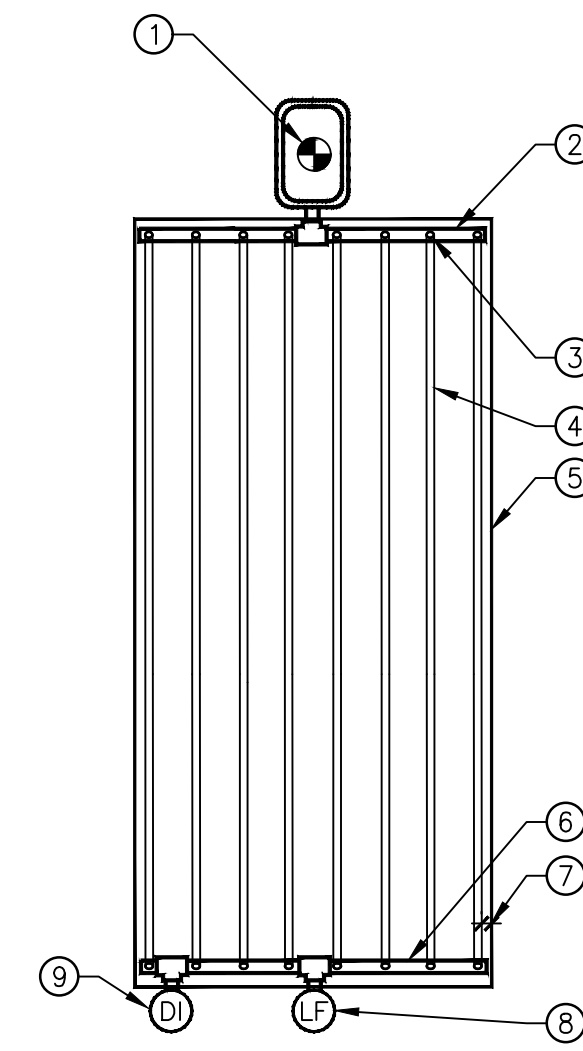
6 GATE VALVE 3" AND SMALLER
SCALE: NTS



7 QUICK COUPLER
SCALE: NTS

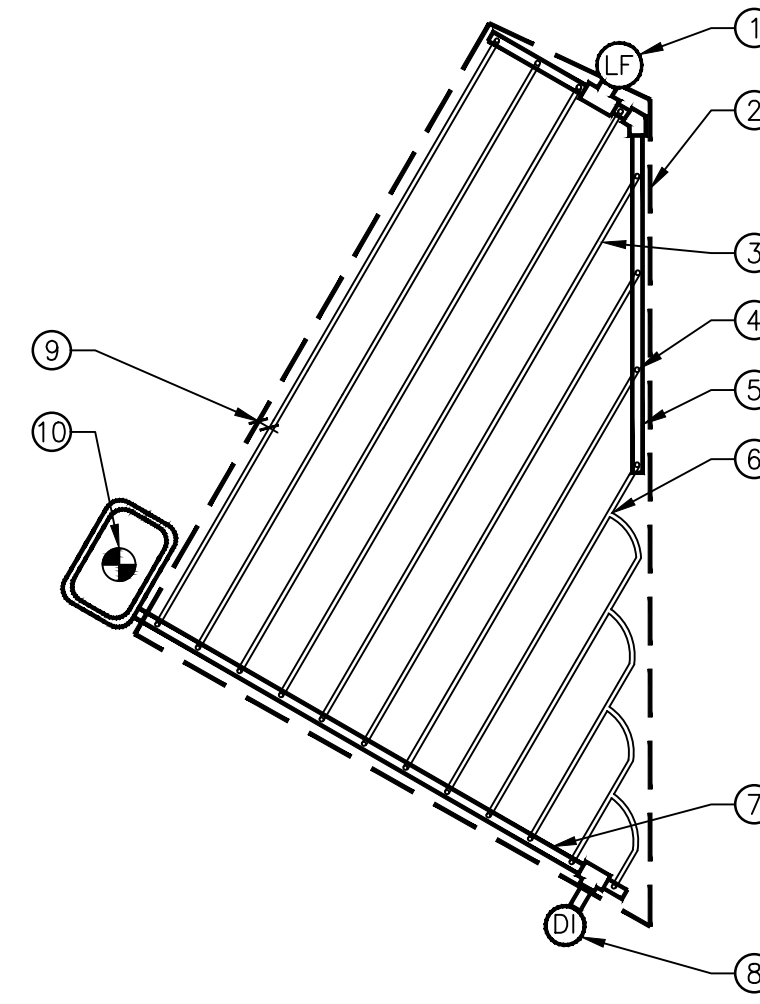


8 VALVE BOX
SCALE: NTS



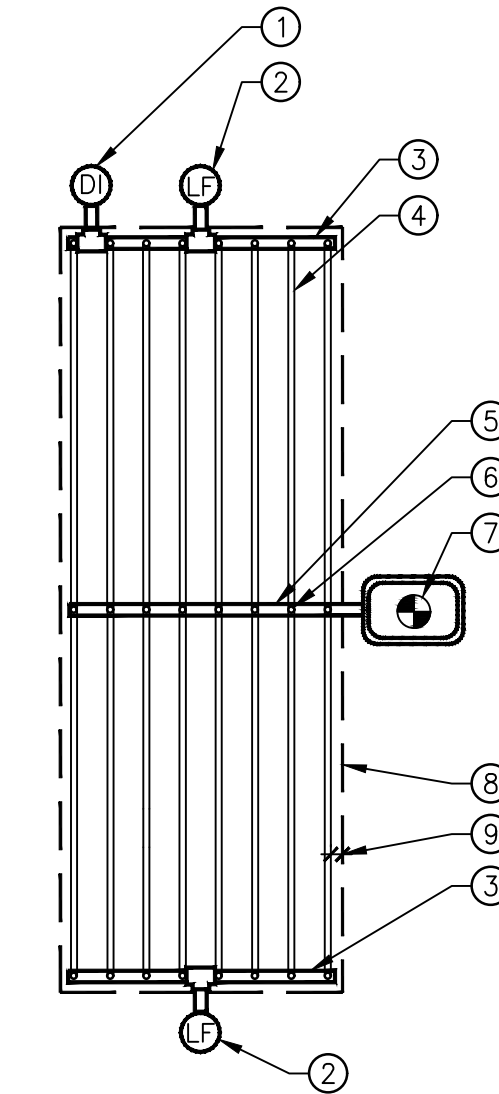
- ① REMOTE CONTROL DRIP VALVE ASSEMBLY WITH FILTER.
- ② PVC SUPPLY HEADER.
- ③ DRIPLINE START CONNECTION: MALE PVC ADAPTER.
- ④ DRIPLINE TUBING LATERAL, TYP.
- ⑤ AREA PERIMETER.
- ⑥ PVC EXHAUST HEADER.
- ⑦ PERIMETER LATERALS 2" TO 4" FROM EDGE (KEEP 24" FROM BOTTOM OF 5:1 OR STEEPER SLOPE)
- ⑧ LINE FLUSH VALVE PLUMBED TO PVC.
- ⑨ DRIP INDICATOR.

1 DRIPLINE - END FEED LAYOUT
SCALE: NTS
PLAN
PROJ-DEL-88



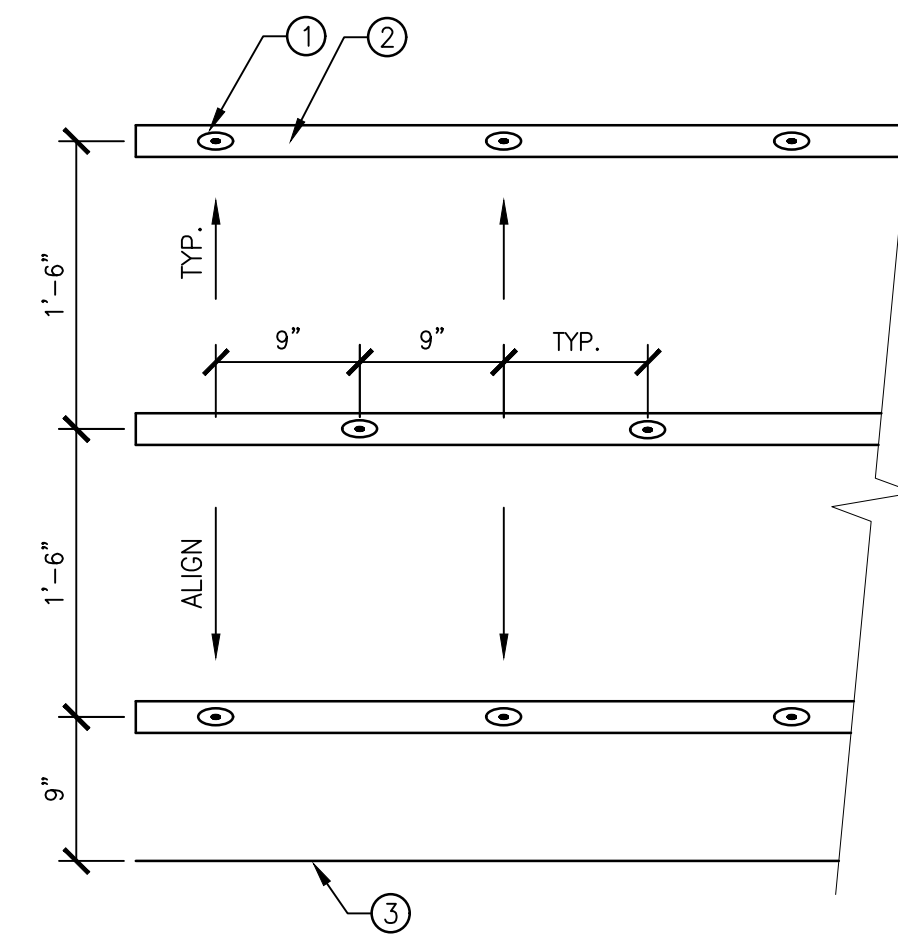
- ① LINE FLUSH VALVE PLUMBED TO PVC.
- ② AREA PERIMETER.
- ③ DRIPLINE TUBING LATERAL.
- ④ DRIPLINE START CONNECTION: MALE PVC ADAPTER.
- ⑤ PVC EXHAUST HEADER.
- ⑥ DRIPLINE TEE.
- ⑦ PVC SUPPLY HEADER.
- ⑧ DRIP INDICATOR.
- ⑨ PERIMETER LATERALS 2" TO 4" FROM EDGE (KEEP 24" FROM BOTTOM OF 5:1 OR STEEPER SLOPE).
- ⑩ REMOTE CONTROL DRIP VALVE ASSEMBLY WITH FILTER.

2 DRIPLINE - TRIANGULAR LAYOUT
SCALE: NTS
PLAN
PROJ-DEL-92



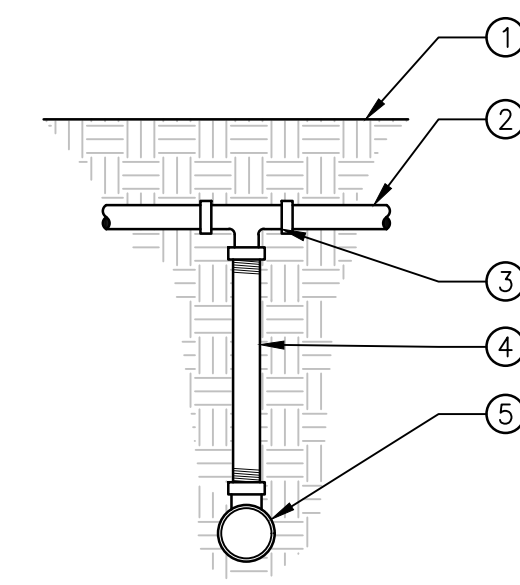
- ① DRIP INDICATOR.
- ② LINE FLUSH VALVE PLUMBED TO PVC.
- ③ PVC EXHAUST HEADER.
- ④ DRIPLINE TUBING LATERAL, TYP.
- ⑤ PVC SUPPLY HEADER.
- ⑥ DRIPLINE START CONNECTION: MALE PVC ADAPTER.
- ⑦ REMOTE CONTROL DRIP VALVE ASSEMBLY WITH FILTER.
- ⑧ AREA PERIMETER.
- ⑨ PERIMETER LATERALS 2" TO 4" FROM EDGE (KEEP 24" FROM BOTTOM OF 5:1 OR STEEPER SLOPE)

3 DRIPLINE - MIDDLE FEED LAYOUT
SCALE: NTS
PLAN
PROJ-DEL-90



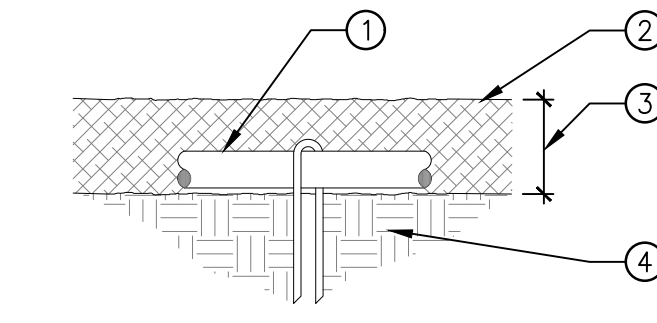
- ① EMITTER, TYP.
- ② TUBING, TYP.
- ③ PAVING, WALL OR MOWBAND

4 DRIPLINE EMITTER & TUBE SPACING
SCALE: 1" = 1'-0"
PLAN
PROJ-DEL-93



- ① FINISH GRADE.
 - ② 1/2" DRIP LINE.
 - ③ 180 2-WAY ADAPTER TEE.
 - ④ 1/2" FLEX THREADED NIPPLE.
 - ⑤ PVC LATERAL.
- NOTES:
A. USE ONLY MANUFACTURER APPROVED FITTINGS.
B. REFER TO SPECS AND PLAN SHEETS FOR MORE INFORMATION.

5 DRIPLINE TO PVC CONNECTION
SCALE: NTS
SECTION
PROJ-DEL-80



- ① DRIPLINE
- ② TOP OF MULCH
- ③ MAINTAIN CONSISTENT ELEVATION
- ④ JUTE MESH STAPLE AT 4' O.C. OR AS NECESSARY TO SECURE TUBING

6 DRIPLINE STAPLING
SCALE: 1 1/2" = 1'-0"
ELEVATION
R-DRIP-16



WATER EFFICIENT LANDSCAPE WORKSHEET

THE MAXIMUM APPLIED WATER ALLOWANCE (MAWA) SHALL BE CALCULATED USING THE FOLLOWING FORMULA:

$MAWA = (E_{to})(0.62)[(ETAF \times LA) + (1 - (ETAF) \times SLA)]$

MAWA = MAXIMUM APPLIED WATER ALLOWANCE

E_{to} = REFERENCE EVAPOTRANSPIRATION (INCHES PER YEAR)

0.62 = CONVERSION FACTOR (TO GALLONS PER SQUARE FOOT)

ETAF = 0.45 FOR NON-RESIDENTIAL AREAS, 0.55 FOR RESIDENTIAL AREAS

AREA = LANDSCAPED AREA INCLUDES SPECIAL LANDSCAPE AREA (SQUARE FEET)

SLA = PORTION OF LANDSCAPE AREA IDENTIFIED AS SPECIAL LANDSCAPE AREA (SQUARE FEET)

| | E _{to} | CONVERSION FACTOR | ETAF | AREA (SQ. FT.) | SLA | (1-(ETAF) X SLA) |
|--------------------|-----------------|-------------------|------|----------------|------|---------------------|
| | 51.9 | 0.62 | 0.45 | 128,569.00 | 0.00 | 0.00 |
| MAWA TOTAL: | | | | | | 1,861,691.98 |

THE ESTIMATED TOTAL WATER USE (ETWU) SHALL BE CALCULATED USING THE FOLLOWING FORMULA:

$ETWU = (E_{to})(0.62)(ETAF)(AREA)$

ETWU = ESTIMATED TOTAL WATER USE PER YEAR (GALLONS PER YEAR)

E_{to} = REFERENCE EVAPOTRANSPIRATION (INCHES PER YEAR)

0.62 = CONVERSION FACTOR (TO GALLONS PER SQUARE FOOT)

ETAF = PLANT FACTOR DIVIDED BY IRRIGATION EFFICIENCY (PF/IE)

AREA = HYDROZONE AREA (SQUARE FEET)

PF = PLANT FACTOR FROM WUCOLS

IE = IRRIGATION EFFICIENCY (MINIMUM 0.71)

REGULAR LANDSCAPE AREAS

| HYDROZONE | E _{to} | PF | IE | ETAF (PF/IE) | AREA (SQ. FT.) | ETAF X AREA | ETWU |
|-----------------|-----------------|-------|------|--------------|-------------------|-------------|---------------------|
| A SHRUB LOW | 51.9 | 0.200 | 0.81 | 0.25 | 124,039 | 30,626.91 | 985,512.83 |
| B TREE MED | 51.9 | 0.500 | 0.81 | 0.62 | 3,600 | 2,222.22 | 71,506.67 |
| C VINE MED | 51.9 | 0.500 | 0.81 | 0.62 | 930 | 574.07 | 18,472.56 |
| TOTALS: | | | | | 128,569.00 | | 1,075,492.05 |

SPECIAL LANDSCAPE AREAS

| | E _{to} | PF | IE | ETAF (PF/IE) | AREA (SQ. FT.) | ETAF X AREA | ETWU |
|--------------------|-----------------|----|----|--------------|----------------|---------------------|-------------|
| NONE | | | | 1.00 | 0.000 | 0.00 | 0.00 |
| TOTALS: | | | | | | | 0.00 |
| ETWU TOTAL: | | | | | | 1,075,492.05 | |

THIS PROJECT COMPLIES WITH TITLE 23 MWELD DUE TO THE FACT THE ETWU DOES NOT EXCEED THE MAWA.

HYDROZONE INFORMATION TABLE

| HYDROZONE | VALVE | IRRIGATION METHOD | PLANT TYPE | WATER USE | AREA (SQ.FT.) | % OF LANDSCAPE |
|---------------------|-------|------------------------|------------|-----------|------------------|----------------|
| A | A1 | AREA FOR DRIPLINE | SHRUBS | LOW | 1545 | 1.21 |
| C | A2 | BUBBLER | VINES | MEDIUM | 220 | 0.17 |
| B | A3 | BUBBLER | TREES | MEDIUM | 850 | 0.67 |
| A | A4 | AREA FOR DRIPLINE | SHRUBS | LOW | 7952 | 6.25 |
| A | A5 | AREA FOR DRIPLINE | SHRUBS | LOW | 1040 | 0.82 |
| C | A6 | BUBBLER | VINES | MEDIUM | 240 | 0.19 |
| A | A7 | AREA FOR DRIP EMITTERS | SHRUBS | LOW | 15576 | 12.24 |
| A | A8 | AREA FOR DRIPLINE | SHRUBS | LOW | 6732 | 5.29 |
| B | A9 | BUBBLER | TREES | MEDIUM | 1150 | 0.90 |
| B | A10 | BUBBLER | TREES | MEDIUM | 700 | 0.55 |
| A | A11 | AREA FOR DRIPLINE | SHRUBS | LOW | 864 | 3.04 |
| A | A12 | AREA FOR DRIP EMITTERS | SHRUBS | LOW | 179 | 12.24 |
| A | A13 | AREA FOR DRIPLINE | SHRUBS | LOW | 5 | 5.12 |
| A | A14 | AREA FOR DRIPLINE | SHRUBS | LOW | 5 | 1.98 |
| A | A15 | AREA FOR DRIP EMITTERS | SHRUBS | LOW | 99 | 11.94 |
| B | A16 | BUBBLER | TREES | MEDIUM | 250 | 0.20 |
| A | A17 | AREA FOR DRIPLINE | SHRUBS | LOW | 7673 | 6.03 |
| C | A18 | BUBBLER | VINES | MEDIUM | 440 | 0.35 |
| A | A19 | AREA FOR DRIP EMITTERS | SHRUBS | LOW | 13057 | 10.26 |
| A | A20 | AREA FOR DRIPLINE | SHRUBS | LOW | 5278 | 4.15 |
| A | A21 | AREA FOR DRIP EMITTERS | SHRUBS | LOW | 13120 | 10.31 |
| A | A22 | AREA FOR DRIPLINE | SHRUBS | LOW | 2011 | 1.58 |
| B | A23 | BUBBLER | TREES | MEDIUM | 400 | 0.31 |
| A | A24 | AREA FOR DRIP EMITTERS | SHRUBS | LOW | 3725 | 2.93 |
| C | A25 | BUBBLER | VINES | MEDIUM | 30 | 0.02 |
| A | A26 | AREA FOR DRIPLINE | SHRUBS | LOW | 1576 | 1.24 |
| GRAND TOTAL: | | | | | 127,247.0 | 100% |

IRRIGATION WATERING SCHEDULE - ESTABLISHMENT

| NUMBER | TYPE | PRECIP | GPM | IN./WEEK | MIN./WEEK | DAYS/WEEK | MIN./DAY | CYCLES/DAY | GAL./WEEK | GAL./DAY |
|----------------|------------------------|-----------|-------|----------|-----------|-----------|----------|------------|-----------------|----------------|
| A1 | AREA FOR DRIPLINE | 0.43 in/h | 6.86 | 0.45 | 64 | 3 | 21 | 1 | 439.04 | 144.00 |
| A2 | BUBBLER | 0.85 in/h | 5.50 | 1.1 | 78 | 3 | 26 | 1 | 429.00 | 143.00 |
| A3 | BUBBLER | 1.71 in/h | 17.00 | 1.1 | 39 | 3 | 13 | 1 | 663.00 | 221.00 |
| A4 | AREA FOR DRIPLINE | 0.43 in/h | 35.34 | 0.45 | 64 | 3 | 21 | 1 | 2,261.76 | 742.14 |
| A5 | AREA FOR DRIPLINE | 0.43 in/h | 3.91 | 0.45 | 64 | 3 | 21 | 1 | 250.24 | 82.11 |
| A6 | BUBBLER | 0.85 in/h | 6.00 | 1.1 | 78 | 3 | 26 | 1 | 468.00 | 156.00 |
| A7 | AREA FOR DRIP EMITTERS | 0.23 in/h | 9.62 | 0.45 | 117 | 3 | 39 | 1 | 1,125.54 | 375.18 |
| A8 | AREA FOR DRIPLINE | 0.43 in/h | 29.92 | 0.2 | 29 | 2 | 21 | 1 | 1,914.88 | 628.32 |
| A9 | BUBBLER | 1.71 in/h | 17.00 | 1.1 | 39 | 3 | 13 | 1 | 897.00 | 299.00 |
| A10 | BUBBLER | 1.71 in/h | 14.00 | 1.1 | 35 | 3 | 13 | 1 | 546.00 | 182.00 |
| A11 | AREA FOR DRIPLINE | 0.43 in/h | 17.17 | 0.2 | 15 | 1 | 15 | 1 | 1,098.88 | 360.57 |
| A12 | AREA FOR DRIP EMITTERS | 0.17 in/h | 6.93 | 0.45 | 15 | 1 | 15 | 1 | 1,074.15 | 360.36 |
| A13 | AREA FOR DRIPLINE | 0.43 in/h | 28.95 | 0.45 | 15 | 1 | 15 | 1 | 1,852.80 | 607.95 |
| A14 | AREA FOR DRIPLINE | 0.43 in/h | 11.22 | 0.45 | 15 | 1 | 15 | 1 | 718.08 | 235.62 |
| A15 | AREA FOR DRIP EMITTERS | 0.22 in/h | 9.72 | 0.45 | 28 | 1 | 28 | 1 | 1,215.00 | 408.24 |
| A16 | BUBBLER | 1.7 in/h | 5.00 | 1.1 | 39 | 3 | 13 | 1 | 195.00 | 65.00 |
| A17 | AREA FOR DRIPLINE | 0.43 in/h | 34.10 | 0.45 | 64 | 3 | 21 | 1 | 2,182.40 | 716.10 |
| A18 | BUBBLER | 0.85 in/h | 11.00 | 1.1 | 78 | 3 | 26 | 1 | 858.00 | 286.00 |
| A19 | AREA FOR DRIP EMITTERS | 0.21 in/h | 8.19 | 0.45 | 131 | 3 | 44 | 1 | 1,072.89 | 360.36 |
| A20 | AREA FOR DRIPLINE | 0.43 in/h | 23.46 | 0.45 | 63 | 3 | 21 | 1 | 1,477.98 | 492.66 |
| A21 | AREA FOR DRIP EMITTERS | 0.28 in/h | 7.33 | 0.45 | 98 | 3 | 33 | 1 | 718.34 | 241.89 |
| A22 | AREA FOR DRIPLINE | 0.43 in/h | 8.94 | 0.45 | 64 | 3 | 21 | 1 | 572.16 | 187.74 |
| A23 | BUBBLER | 1.71 in/h | 8.00 | 1.1 | 39 | 3 | 13 | 1 | 312.00 | 104.00 |
| A24 | AREA FOR DRIP EMITTERS | 0.35 in/h | 1.93 | 0.45 | 77 | 3 | 26 | 1 | 148.61 | 50.18 |
| A25 | BUBBLER | 0.85 in/h | 0.75 | 1.1 | 78 | 3 | 26 | 1 | 58.50 | 19.50 |
| A26 | AREA FOR DRIPLINE | 0.43 in/h | 7.01 | 0.45 | 63 | 3 | 21 | 1 | 441.63 | 147.21 |
| TOTALS: | | | | | | | | | 22,990.9 | 7,616.2 |

IRRIGATION WATERING SCHEDULE - SUMMER

| NUMBER | TYPE | PRECIP | GPM | IN./WEEK | MIN./WEEK | DAY/WEEK | MIN./DAY | CYCLES/DAY | GAL./WEEK | GAL./DAY |
|----------------|------------------------|-----------|-------|----------|-----------|----------|----------|------------|-----------------|----------------|
| A1 | AREA FOR DRIPLINE | 0.43 in/h | 6.86 | 0.37 | 52 | 3 | 17 | 1 | 356.72 | 116.62 |
| A2 | BUBBLER | 0.85 in/h | 5.50 | 0.92 | 65 | 3 | 22 | 1 | 357.50 | 121.00 |
| A3 | BUBBLER | 1.71 in/h | 17.00 | 0.92 | 33 | 3 | 11 | 1 | 561.00 | 187.00 |
| A4 | AREA FOR DRIPLINE | 0.43 in/h | 35.34 | 0.37 | 52 | 3 | 17 | 1 | 1,837.68 | 600.78 |
| A5 | AREA FOR DRIPLINE | 0.43 in/h | 3.91 | 0.37 | 52 | 3 | 17 | 1 | 203.32 | 66.47 |
| A6 | BUBBLER | 0.85 in/h | 6.00 | 0.92 | 65 | 3 | 22 | 1 | 390.00 | 132.00 |
| A7 | AREA FOR DRIP EMITTERS | 0.23 in/h | 9.62 | 0.37 | 97 | 3 | 32 | 1 | 933.14 | 307.84 |
| A8 | AREA FOR DRIPLINE | 0.43 in/h | 29.92 | 0.37 | 3 | 17 | 1 | 1,555.84 | 508.64 | |
| A9 | BUBBLER | 1.71 in/h | 17.00 | 0.92 | 33 | 3 | 11 | 1 | 759.00 | 253.00 |
| A10 | BUBBLER | 1.71 in/h | 14.00 | 0.92 | 33 | 3 | 11 | 1 | 462.00 | 154.00 |
| A11 | AREA FOR DRIPLINE | 0.43 in/h | 17.17 | 0.37 | 52 | 3 | 17 | 1 | 892.84 | 291.89 |
| A12 | AREA FOR DRIP EMITTERS | 0.17 in/h | 6.93 | 0.37 | 128 | 3 | 43 | 1 | 887.04 | 297.99 |
| A13 | AREA FOR DRIPLINE | 0.43 in/h | 28.95 | 0.37 | 52 | 3 | 17 | 1 | 1,505.40 | 492.15 |
| A14 | AREA FOR DRIPLINE | 0.43 in/h | 11.22 | 0.37 | 52 | 3 | 17 | 1 | 583.44 | 190.74 |
| A15 | AREA FOR DRIP EMITTERS | 0.22 in/h | 9.72 | 0.37 | 25 | 3 | 34 | 1 | 1,001.16 | 330.48 |
| A16 | BUBBLER | 1.7 in/h | 5.00 | 0.92 | 33 | 3 | 11 | 1 | 165.00 | 55.00 |
| A17 | AREA FOR DRIPLINE | 0.43 in/h | 34.10 | 0.37 | 52 | 3 | 17 | 1 | 1,773.20 | 579.70 |
| A18 | BUBBLER | 0.85 in/h | 11.00 | 0.92 | 65 | 3 | 22 | 1 | 715.00 | 242.00 |
| A19 | AREA FOR DRIP EMITTERS | 0.21 in/h | 8.19 | 0.37 | 108 | 3 | 36 | 1 | 884.52 | 294.84 |
| A20 | AREA FOR DRIPLINE | 0.43 in/h | 23.46 | 0.37 | 52 | 3 | 17 | 1 | 1,219.92 | 398.82 |
| A21 | AREA FOR DRIP EMITTERS | 0.28 in/h | 7.33 | 0.37 | 80 | 3 | 27 | 1 | 586.40 | 197.91 |
| A22 | AREA FOR DRIPLINE | 0.43 in/h | 8.94 | 0.37 | 52 | 3 | 17 | 1 | 464.88 | 151.98 |
| A23 | BUBBLER | 1.71 in/h | 8.00 | 0.92 | 33 | 3 | 11 | 1 | 264.00 | 88.00 |
| A24 | AREA FOR DRIP EMITTERS | 0.35 in/h | 1.93 | 0.37 | 63 | 3 | 21 | 1 | 121.59 | 40.53 |
| A25 | BUBBLER | 0.85 in/h | 0.75 | 0.92 | 65 | 3 | 22 | 1 | 48.75 | 16.50 |
| A26 | AREA FOR DRIPLINE | 0.43 in/h | 7.01 | 0.37 | 52 | 3 | 17 | 1 | 364.52 | 119.17 |
| TOTALS: | | | | | | | | | 18,893.9 | 6,235.1 |

IRRIGATION WATERING SCHEDULE - SPRING/FALL

| NUMBER | TYPE | PRECIP | GPM | IN./WEEK | MIN./WEEK | DAY/WEEK | MIN./DAY | CYCLES/DAY | GAL./WEEK | GAL./DAY |
|--------|------------------------|-----------|-------|----------|-----------|----------|----------|------------|-----------|----------|
| A1 | AREA FOR DRIPLINE | 0.43 in/h | 6.86 | 0.2 | 29 | 2 | 15 | 1 | 198.94 | 102.90 |
| A2 | BUBBLER | 0.85 in/h | 5.50 | 0.49 | 35 | 1 | 35 | 1 | 192.50 | 192.50 |
| A3 | BUBBLER | 1.71 in/h | 17.00 | 0.49 | 18 | 1 | 18 | 1 | 306.00 | 306.00 |
| A4 | AREA FOR DRIPLINE | 0.43 in/h | 35.34 | 0.2 | 29 | 2 | 15 | 1 | 1,024.86 | 530.10 |
| A5 | AREA FOR DRIPLINE | 0.43 in/h | 3.91 | 0.2 | 29 | 2 | 15 | 1 | 113.39 | 58.65 |
| A6 | BUBBLER | 0.85 in/h | 6.00 | 0.49 | 35 | 1 | 35 | 1 | 210.00 | 210.00 |
| A7 | AREA FOR DRIP EMITTERS | 0.23 in/h | 9.62 | 0.2 | 52 | 2 | 26 | 1 | 500.24 | 250.12 |
| A8 | AREA FOR DRIPLINE | 0.43 in/h | 29.92 | 0.2 | 29 | 2 | 15 | 1 | 867.68 | 448.80 |
| A9 | BUBBLER | 1.71 in/h | 17.00 | 0.49 | 18 | 1 | 18 | 1 | 414.00 | 414.00 |
| A10 | BUBBLER | 1.71 in/h | 14.00 | 0.49 | 18 | 1 | 18 | 1 | 252.00 | 252.00 |
| A11 | AREA FOR DRIPLINE | 0.43 in/h | 17.17 | 0.2 | 15 | 1 | 15 | 1 | 497.93 | 257.55 |
| A12 | AREA FOR DRIP EMITTERS | 0.17 in/h | 6.93 | 0.45 | 35 | 1 | 35 | 1 | 478.17 | 242.55 |
| A13 | AREA FOR DRIPLINE | 0.43 in/h | 28.95 | 0.2 | 15 | 1 | 15 | 1 | 839.55 | 434.25 |
| A14 | AREA FOR DRIPLINE | 0.43 in/h | 11.22 | 0.2 | 15 | 1 | 15 | 1 | 325.38 | 168.30 |
| A15 | AREA FOR DRIP EMITTERS | 0.22 in/h | 9.72 | 0.45 | 28 | 1 | 28 | 1 | 544.32 | 272.16 |
| A16 | BUBBLER | 1.7 in/h | 5.00 | 0.49 | 18 | 1 | 18 | 1 | 90.00 | 90.00 |
| A17 | AREA FOR DRIPLINE | 0.43 in/h | 34.10 | 0.2 | 29 | 2 | 15 | 1 | 988.90 | 511.50 |
| A18 | BUBBLER | 0.85 in/h | 11.00 | 0.49 | 35 | 1 | 35 | 1 | 385.00 | 385.00 |
| A19 | AREA FOR DRIP EMITTERS | 0.21 in/h | 8.19 | 0.2 | 59 | 2 | 30 | 1 | 483.21 | 245.70 |
| A20 | AREA FOR DRIPLINE | 0.43 in/h | 23.46 | 0.2 | 28 | 2 | 14 | 1 | 656.88 | 328.44 |
| A21 | AREA FOR DRIP EMITTERS | 0.28 in/h | 7.33 | 0.2 | 44 | 2 | 22 | 1 | 322.52 | 161.26 |
| A22 | AREA FOR DRIPLINE | 0.43 in/h | 8.94 | 0.2 | 29 | 2 | 15 | 1 | 259.26 | 134.10 |
| A23 | BUBBLER | 1.71 in/h | 8.00 | 0.49 | 18 | 1 | 18 | 1 | 144.00 | 144.00 |
| A24 | AREA FOR DRIP EMITTERS | 0.35 in/h | 1.93 | 0.2 | 34 | 2 | 17 | 1 | 65.62 | 32.81 |
| A25 | BUBBLER | 0.85 in/h | 0.75 | 0.49 | 35 | 1 | 35 | 1 | 26.25 | 26.25 |

PLANTING NOTES

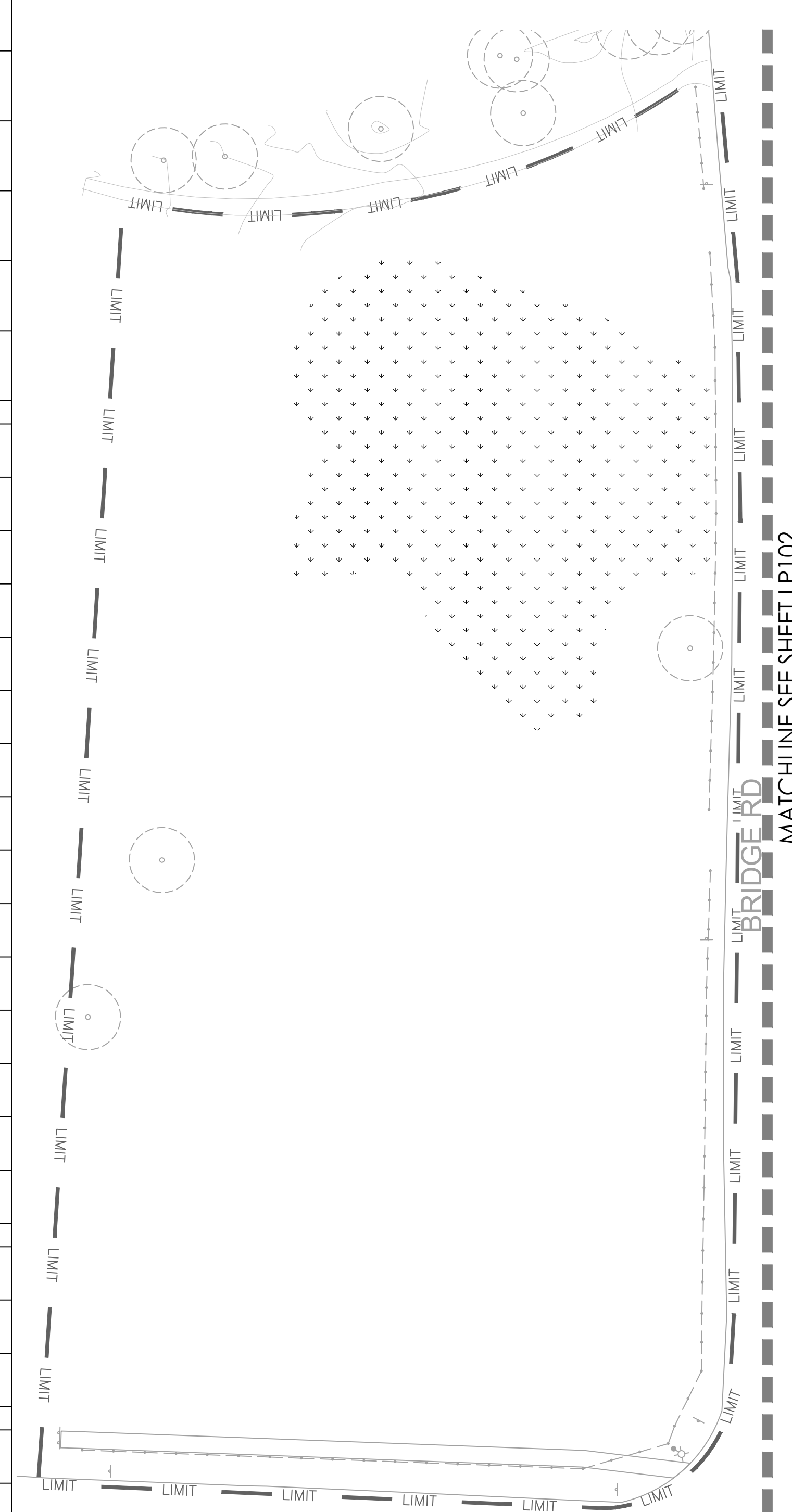
- CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY PLANT QUANTITIES FROM LANDSCAPE PLAN. QUANTITIES ARE PROVIDED FOR REFERENCE ONLY.
- ALL LOCAL CODES AND ORDINANCES SHALL BE COMPLIED WITH. IF THERE IS A CONFLICT, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IN WRITING.
- NO PLANTING SHALL BE STARTED UNTIL FINISH GRADING AND IRRIGATION SYSTEM HAVE BEEN COMPLETED AND APPROVED BY THE OWNER.
- IMMEDIATELY UPON AWARD, CONTRACTOR SHALL SECURE PLANT MATERIALS AS SPECIFIED AND CONTACT THE OWNER AND COSUMNES CSD FOR APPROVED SUBSTITUTIONS. NO SUBSTITUTIONS FOR PLANT MATERIALS WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER AND COSUMNES CSD. CONTRACTOR SHALL NOTIFY THE OWNER AND COSUMNES CSD IN THE EVENT OF PLANT UNAVAILABILITY IMMEDIATELY. ANY SUBSTITUTIONS MUST BE REQUESTED IN WRITING AND SUBMITTED TO THE OWNER AND COSUMNES CSD FOR APPROVAL WITHIN 30 DAYS AFTER AWARD OF CONTRACT.
- NOTIFY THE OWNER IF SUBSURFACE WATER IS ENCOUNTERED DURING PLANT PIT EXCAVATION.
- AFTER PLANTING IS COMPLETE AND AREAS HAVE BEEN FINE GRADED, **SPREAD BARK MULCH TO A DEPTH OF THREE INCHES (3") MINIMUM IN ALL PLANTER BEDS.** APPLY GRANULAR PRE-EMERGENT, AS PER SPECIFICATIONS TO ALL PLANTER BEDS BEFORE MULCH TOP-DRESS IS SPREAD. ADDITIONAL FERTILIZER AND PRE-EMERGENT TO BE APPLIED AT END OF MAINTENANCE PERIOD.
- BARK MULCH SHALL BE MEDIUM CHUNK BARK (3/4" TO 2" IN SIZE) AND SHALL BE FREE OF FIBROUS PIECES, SOIL, STONES, STICKS, DEBRIS OR OTHER FOREIGN MATTER.
- PLANTING TABLETS ARE TO BE 7 GRAM GRO-POWER TYPE OR EQUAL APPLIED AT THE FOLLOWING RATE:
THREE (3) TABLETS PER ONE GALLON CONTAINER.
SIX (6) TABLETS PER FIVE GALLON CONTAINER.
NINE (9) TABLETS PER FIFTEEN GALLON CONTAINER.
FIFTEEN (15) TABLETS PER 24" BOX CONTAINER.
- THE CONTRACTOR SHALL MAINTAIN ALL LANDSCAPE AREAS FOR A MINIMUM PERIOD OF **NINETY (90)** CALENDAR DAYS.
- MAINTENANCE SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: WATERING, WEEDING, TRIMMING, FERTILIZING, SPRAYING INSECT AND PEST CONTROLS, REPLACEMENT OF DAMAGED OR DYING PLANT MATERIAL, LITTER AND TRASH REMOVAL. FERTILIZER SHALL BE LIQUID IN ALL DRIP IRRIGATED PLANTERS, AS RECOMMENDED BY THE SOILS ANALYSIS.
- ALL LANDSCAPED AREAS SHALL HAVE A MINIMUM SLOPE OF 2% AND A MAXIMUM SLOPE OF 30%. IF LANDSCAPE AREA EXCEEDS 30% SLOPE, INSTALL JUTE MESH SLOPE STABILIZATION.
- ALL PLANT MATERIALS SHALL MEET SIZE SPECIFICATIONS AS SHOWN ON THE PLANT LIST, AND SHALL BE HEALTHY, FULL, AND SHALL BE OF FIRST RATE QUALITY FOR THE SPECIES. SUBSTITUTIONS MAY BE ALLOWED. CONTACT THE OWNER IMMEDIATELY, IF A SPECIFIED MATERIAL IS NOT AVAILABLE, FOR REVIEW AND APPROVAL OF SUBSTITUTIONS PRIOR TO ORDERING.
- ALL PLANT MATERIALS SHALL BE INSTALLED AS SHOWN ON THE DETAILS OF THESE PLANS.
- ALL PLANTING AREAS SHALL BE GRADED AND PLANTED FOR POSITIVE DRAINAGE AWAY FROM STRUCTURES, WALLS, AND FENCES.
- THE LOCATIONS OF TREES AND SHRUBS SHALL BE ADJUSTED IN THE FIELD TO ACCOMMODATE EXISTING UTILITIES, LIGHTS, SPRINKLERS, ETC.
- EXCAVATED PLANT PITS SHALL HAVE POSITIVE DRAINAGE. PLANT PITS WHEN FULLY FLOODED WITH WATER SHALL DRAIN WITHIN ONE HOUR AFTER FILLING. THE CONTRACTOR SHALL EXCAVATE THROUGH ANY IMPERVIOUS CLAY LAYER, IF ENCOUNTERED.
- ALL TREES SHALL BE PLANTED A MINIMUM OF FIVE FEET (5') FROM UNDERGROUND UTILITIES AND BUILDINGS. TREES SHALL BE PLANTED NO CLOSER THAN THREE FEET (3') FROM CURBS OR WALKS. TREES SHALL BE PLANTED WITH ROOT CROWN ONE INCH (1") ABOVE FINISH GRADE.
- ALL PLANT MATERIAL SHALL MAINTAIN A FIVE FOOT (5') CLEARANCE AROUND ALL FIRE DEPARTMENT APPARATUS.
- SEE DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ALL MATERIALS AND WORK WITHIN THE RIGHT-OF-WAY SHALL MEET REQUIREMENTS OF THE UNIFORM BUILDING CODE, NATIONAL ELECTRICAL CODE, UNIFORM PLUMBING CODE AND ALL OTHER GOVERNING AGENCIES AND THE LATEST EDITION OF STANDARD CONSTRUCTION SPECIFICATIONS AND IMPROVEMENT STANDARDS OF THE GOVERNING JURISDICTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER.
- SOIL TESTING:
 - COORDINATE SOIL TESTING IN AN EXPEDITIOUS MANNER AS REQUIRED FOR PROVIDING ON-SITE MATERIALS. RESPONSIBILITY OF CONTRACTING WITH A SOIL LABORATORY SHALL BE BORNE BY THE CONTRACTOR. COST OF SAMPLING AND TESTING SHALL BE INCLUDED IN THE CONTRACT PRICE. CONTRACTOR SHALL COLLECT SAMPLES IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE.
 - SOIL SAMPLE SHALL BE SUBMITTED TO A PREVIOUSLY APPROVED SOIL LABORATORY. REQUEST APPROVAL FROM OWNER'S REPRESENTATIVE AND SUBMIT SAMPLES AS REQUIRED BY THE LABORATORY.
 - AT A MINIMUM, SOIL REPORT RESULTS SHALL CONTAIN: PH, SALINITY, AMMONIA, PHOSPHATE, POTASSIUM, CALCIUM, MAGNESIUM, BORON, AND SODIUM LEVELS. LABORATORY TO PROVIDE APPRAISAL OF CHEMICAL PROPERTIES, INCLUDING PARTICLE SIZE, TEXTURE AND RECOMMENDATIONS FOR TYPES AND QUANTITIES OF AMENDMENTS AND FERTILIZERS.
 - RESULTS OF THE SOIL TESTING SHALL BE PROVIDED TO OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT, WITH AMENDMENT RECOMMENDATIONS AND SOIL TEXTURE RESULTS.
 - SOIL TESTING SHALL COMPLY WITH EGMC 14.10.090 SOIL MANAGEMENT REPORT.
 - CONTRACTOR SHALL SUBMIT SOIL REPORT TO THE CITY AS PART OF THE CERTIFICATE OF COMPLETION SUBMITTAL.
 - CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE CITY VERIFYING THE IMPLEMENTATION OF SOIL ANALYSIS REPORT RECOMMENDATIONS WITH CERTIFICATE OF COMPLETION SUBMITTAL.
- INSTALL TREE ROOT BARRIERS AT ALL TREES WHERE CENTER OF PROPOSED TRUNK IS WITHIN FIVE FEET (5') OF A CURB, PAVING OR WALKWAYS, PER CONSTRUCTION DETAILS.

PLANT SCHEDULE

| TREES | CODE | BOTANICAL NAME | COMMON NAME | CONT | SIZE HXW | WATER USE | QTY |
|---------------|---------|---|------------------------------------|-----------|-----------|-----------|------------|
| | ACE MAC | ACER MACROPHYLLUM | BIG LEAF MAPLE | 24" BOX | 75'HX50'W | LOW | 3 |
| | CER WES | CERCIS OCCIDENTALIS | WESTERN REDBUD MULTI-TRUNK | 24" BOX | 18'HX18'W | LOW | 30 |
| | PLA RAC | PLATANUS RACEMOSA | CALIFORNIA SYCAMORE | 24" BOX | 80'HX50'W | LOW | 7 |
| | QUE MUL | QUERCUS AGRIFOLIA | COAST LIVE OAK MULTI-TRUNK | 24" BOX | 70'HX70'W | VERY LOW | 14 |
| | QUE LOB | QUERCUS LOBATA | VALLEY OAK | 24" BOX | 80'HX80'W | LOW | 22 |
| | QUE WIS | QUERCUS WISLIZENI | INTERIOR LIVE OAK | 24" BOX | 60'HX60'W | LOW | 17 |
| SHRUBS | CODE | BOTANICAL NAME | COMMON NAME | CONT | SIZE HXW | WATER USE | QTY |
| | ACH PAP | ACHILLEA MILLEFOLIUM 'PAPRIKA' | PAPRIKA COMMON YARROW | 1 GAL | 2'HX2'W | LOW | 108 |
| | ARC HOW | ARCTOSTAPHYLOS DENSIFLORA 'HOWARD MCMINN' | HOWARD MCMINN VINE HILL MANZANITA | 5 GAL | 4'HX6'W | LOW | 21 |
| | CEA VAL | CEANOTHUS MARITIMUS 'VALLEY VIOLET' | VALLEY VIOLET MARITIME CEANOTHUS | 5 GAL | 3'HX6'W | LOW | 63 |
| | CEA HAR | CEANOTHUS X 'RAY HARTMAN' | RAY HARTMAN WILD LILAC | 15 GAL | 20'HX20'W | LOW | 5 |
| | DIP AUR | DIPLACUS AURANTIACUS | STICKY MONKEYFLOWER | 5 GAL | 4'HX5'W | LOW | 111 |
| | EPI HUM | EPILOBIUM CANUM | CALIFORNIA FUCHSIA | 1 GAL | 2'HX3'W | LOW | 302 |
| | ERI GIG | ERIOGONUM GIGANTEUM | ST. CATHERINE'S LACE | 5 GAL | 8'HX8'W | LOW | 5 |
| | FRA CA3 | FRANGULA CALIFORNICA | CALIFORNIA COFFEEBERRY | 5 GAL | 6'HX8'W | LOW | 40 |
| | FRA PAL | FRANKENIA PALMERI | PALMER'S FRANKENIA | 5 GAL | 3'HX5'W | LOW | 52 |
| | GLA LIL | GLANDULARIA LILACINA 'DE LA MINA' | DE LA MINA CEDROS ISLAND VERBENA | 1 GAL | 3'HX4'W | LOW | 33 |
| | PEN MAR | PENSTEMON HETEROPHYLLUS 'MARGARITA BOP' | MARGARITA BOP PENSTEMON | 1 GAL | 2'HX3'W | LOW | 293 |
| | RHU GRO | RHUS AROMATICA 'GRO-LOW' | GRO-LOW FRAGRANT SUMAC | 5 GAL | 3'HX6'W | LOW | 56 |
| | SAL CO6 | SALVIA APIANA COMPACTA | COMPACT WHITE SAGE | 1 GAL | 3'HX3'W | LOW | 230 |
| | SAL PU3 | SALVIA LEUCOPHYLLA | PURPLE SAGE | 5 GAL | 4'HX6'W | LOW | 12 |
| | SYM CHI | SYMPHYOTRICHUM CHILENSE | PACIFIC ASTER | 1 GAL | 3'HX3'W | LOW | 61 |
| GRASSES | CODE | BOTANICAL NAME | COMMON NAME | CONT | SIZE HXW | WATER USE | QTY |
| | BOU BLO | BOUTELOUA GRACILIS 'BLONDE AMBITION' | BLONDE AMBITION BLUE GRAMA | 1 GAL | 3'HX3'W | LOW | 317 |
| | ELY CA2 | ELYMUS CONDENSATUS 'CANYON PRINCE' | CANYON PRINCE WILD RYE | 1 GAL | 3'HX3'W | LOW | 385 |
| | MUH RIG | MUHLENBERGIA RIGENS | DEER GRASS | 5 GAL | 6'HX6'W | LOW | 234 |
| GROUND COVERS | CODE | BOTANICAL NAME | COMMON NAME | CONT | SIZE HXW | WATER USE | QTY |
| | ARC ECP | ARCTOSTAPHYLOS X 'EMERALD CARPET' | EMERALD CARPET MANZANITA | 5 GAL | 1'HX5'W | LOW | 222 |
| | BAR MUL | BARK MULCH | | 5 GAL | | | 21,140 SF |
| | SAL BE2 | SALVIA X 'BEE'S BLISS' | BEE'S BLISS SAGE | 5 GAL | 2'HX8'W | LOW | 142 |
| HYDROSEED | CODE | BOTANICAL NAME | COMMON NAME | CONT | SIZE HXW | WATER USE | QTY |
| | BOL PLS | BOLERO PLUS - TURF GRASS | AS PROVIDED BY DELTA BLUEGRASS CO. | HYDROSEED | - | HIGH | 161,561 SF |
| | NAT MIX | NATIVE PRESERVATION MIX -NO MOW GRASS | AS PROVIDED BY DELTA BLUEGRASS CO. | HYDROSEED | - | MEDIUM | 45,718 SF |

| TREE ROOT BARRIER | QTY |
|-------------------|---|
| | INSTALL TREE ROOT BARRIER AS MANUFACTURED BY VESPRO, INC. (800) 554-0914, OR EQUAL. |
| | PER DETAILS |

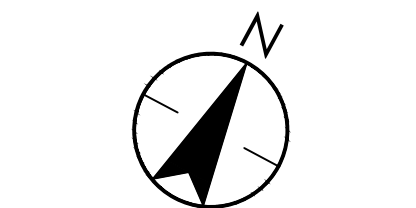
| | |
|--------------------------------|-----|
| TOTAL TREE CALIPER MITIGATION: | 186 |
|--------------------------------|-----|



SEE DRAWING CV001 FOR GENERAL NOTES

SEE DRAWING LP501 FOR PLANTING DETAILS

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



LANDSCAPE ARCHITECT _____ DATE _____

**RENFREE FIELD RENOVATION
DEL PASO REGIONAL PARK
PLANTING PLAN**

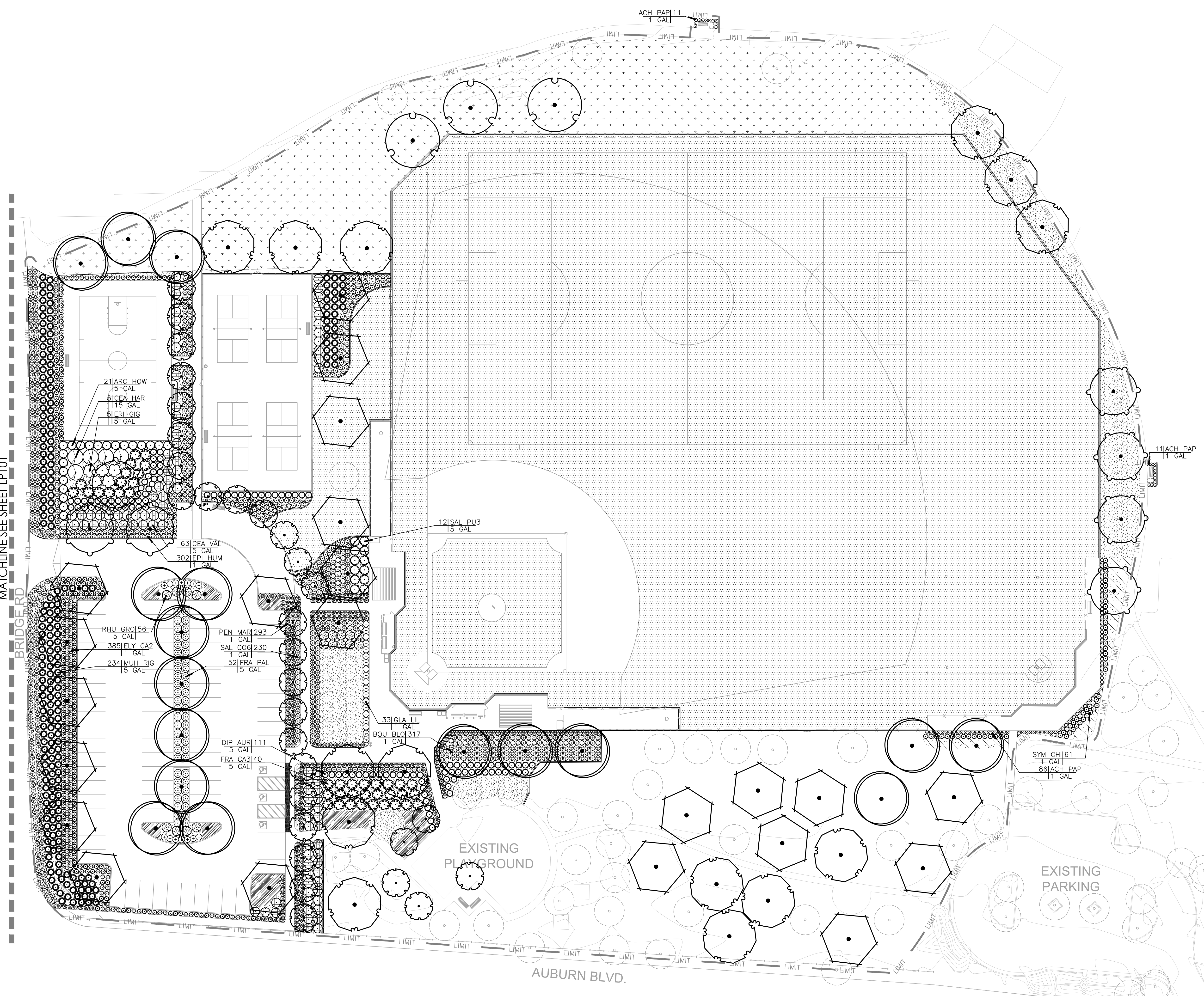
DESIGN BY: **Stantec**
DATE: 05.01.2023
SCALE: 1" = 30'-0"
P. N. L19-3000-02
REVISIONS

PRELIMINARY
NOT FOR CONSTRUCTION

MATCHLINE SEE SHEET LP101

BRIDGE RD

AUBURN BLVD.

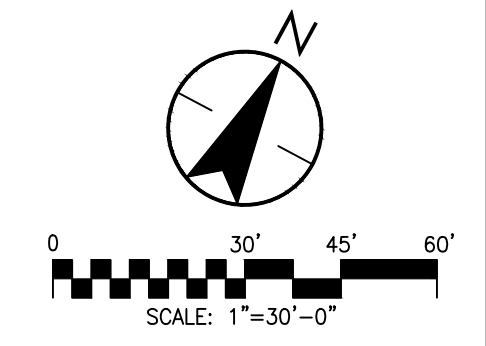


SEE DRAWING CV001 FOR GENERAL NOTES

SEE DRAWING CV001 FOR GENERAL NOTES

SEE DRAWING LP501 FOR PLANTING DETAILS

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



LANDSCAPE ARCHITECT

DATE

Know what's below. Call before you dig.

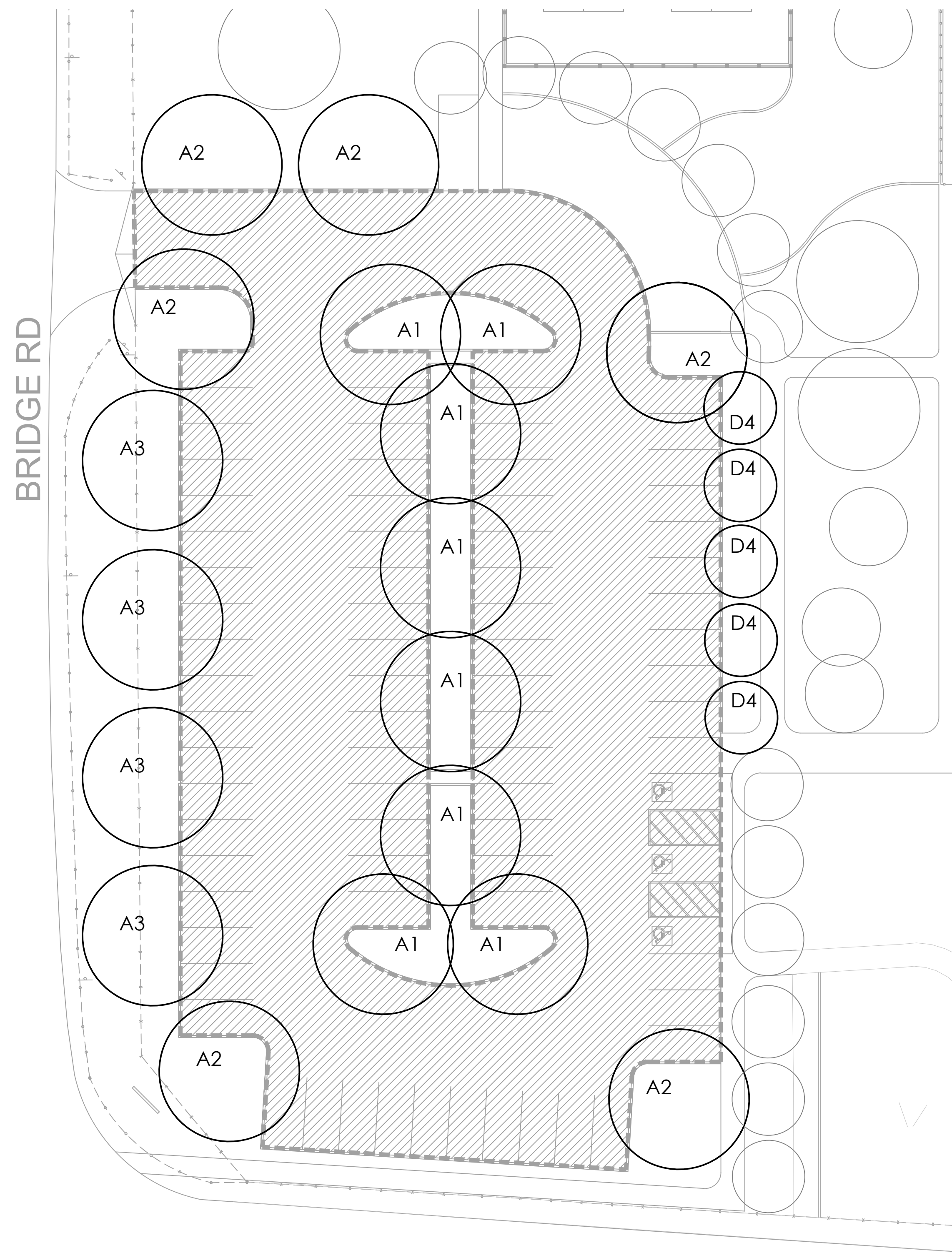
RENFREE FIELD RENOVATION
DEL PASO REGIONAL PARK
PLANTING PLAN

DESIGN BY:
Stantec
DATE: 05.01.2023
SCALE: 1" = 30'-0"
P. N.: L19-3000-02

PRELIMINARY
NOT FOR CONSTRUCTION

SHEET NO.
LP102 of XX

RENFREE FIELD RENOVATION DEL PASO REGIONAL PARK (L19300002)



| PARKING LOT SHADE CALCULATIONS | | | | | | |
|--------------------------------|-----------|------------|------------|------------|-----------|-----------|
| TREE TYPE | CANOPY | 1 (100%) | 2 (75%) | 3 (50%) | 4 (25%) | |
| A | 30' - 35' | 8 @ 962 SF | 4 @ 722 SF | 6 @ 481 SF | - | |
| B | 25' - 30' | - | - | - | - | |
| C | 20' - 25' | - | - | - | - | |
| D | 15' - 20' | - | - | - | 5 @ 79 SF | |
| TOTALS | | 7,696 SF | 2,888 SF | 2,886 SF | 395 SF | 13,865 SF |

TOTAL PARKING LOT AREA 27,581 SF

| | |
|----------------------------|-----------|
| TOTAL SHADED AREA | 13,865 SF |
| REQUIRED SHADED AREA (50%) | 13,790 SF |
| PERCENT SHADED | 50 % |

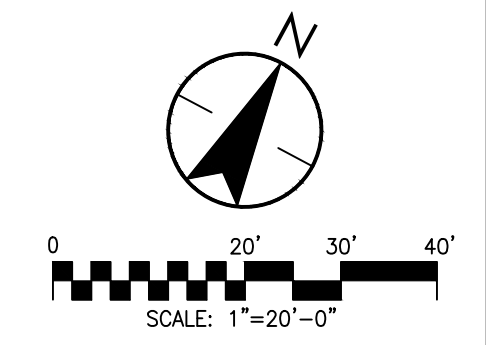
MEETS CODE REQUIREMENT

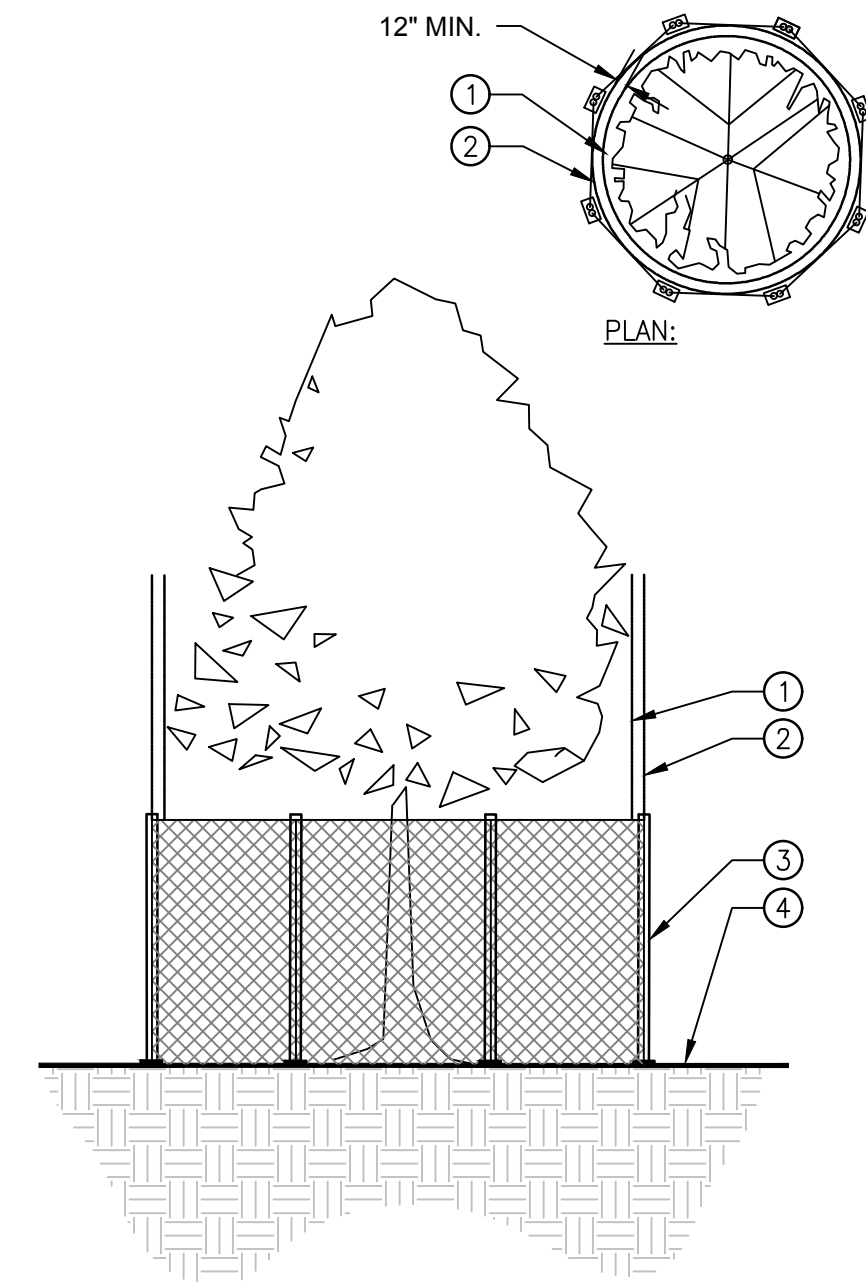
- TREE COVERAGE APPLIED TOWARDS SHADE CALCULATIONS
- TREES NOT APPLIED TOWARDS SHADE CALCULATIONS
- PARKING AREA REQUIRED TO MEET SHADING REQUIREMENTS

SEE DRAWING CV001 FOR GENERAL NOTES

SEE DRAWING LP501 FOR PLANTING DETAILS

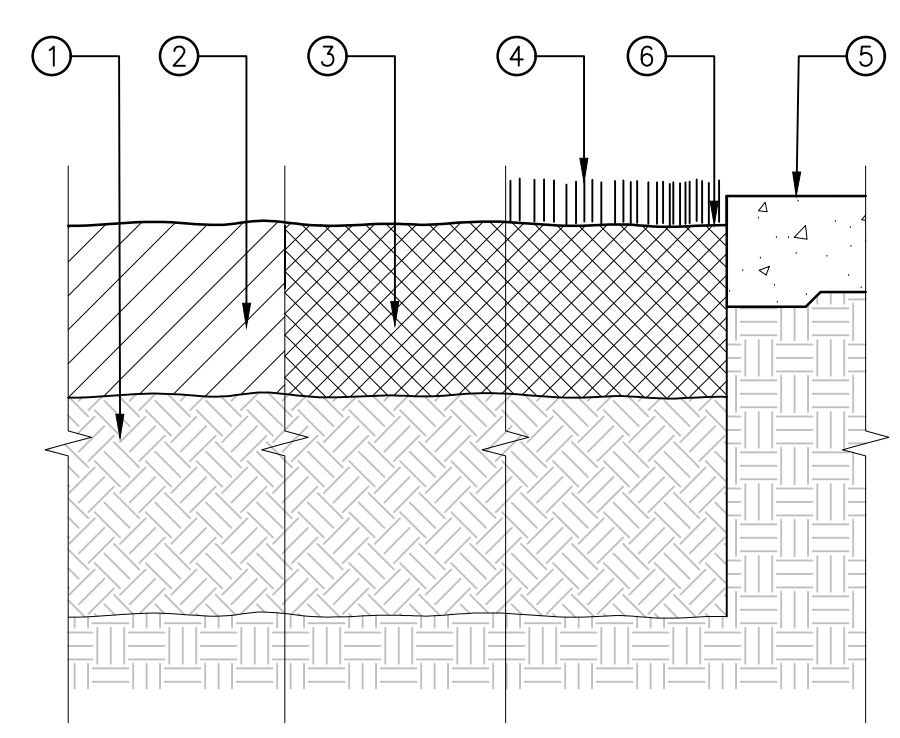
SEE DRAWING LP101 FOR PLANTING LEGEND AND NOTES





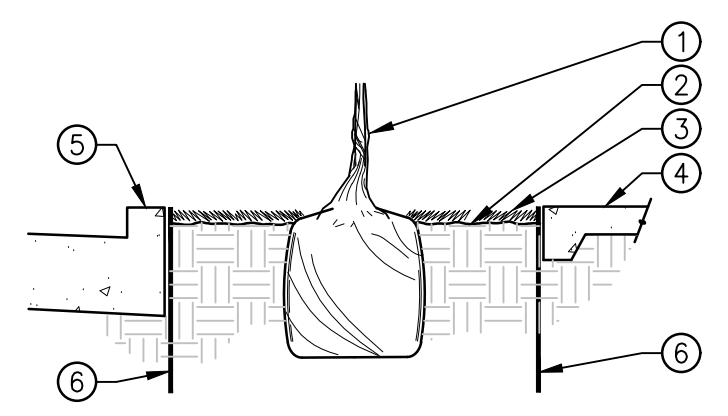
- 1 TREE DRIP LINE (TDL): A FULL AND REGULAR CIRCLE AROUND THE TREE WITH A RADIUS THE LENGTH OF THE LONGEST HORIZONTAL BRANCH.
 - 2 TREE PROTECTION ZONE (TPZ): A FULL AND REGULAR CIRCLE AROUND THE TREE WITH A RADIUS THE LENGTH OF THE LONGEST HORIZONTAL BRANCH, PLUS 12" MINIMUM.
 - 3 6'-0" TALL CHAINLINK FENCE.
 - 4 FINISH GRADE.
- NOTES:
1. CHAIN LINK FENCING SHALL BE PLACED AT THE EDGE OF THE TPZ OF ALL TREES TO BE PRESERVED WITHIN OR ADJACENT TO THE CONSTRUCTION AREA (WITHIN 15' FEET).
 2. TREES TO BE PRESERVED SHALL BE PROTECTED FROM DISTURBANCE IN ACCORDANCE WITH THIS DETAIL PRIOR TO AND THROUGHOUT CONSTRUCTION.
 3. SEE ALSO, TREE PROTECTION NOTES ON PLAN SHEETS.

1 TREE PROTECTION
SCALE: NTS



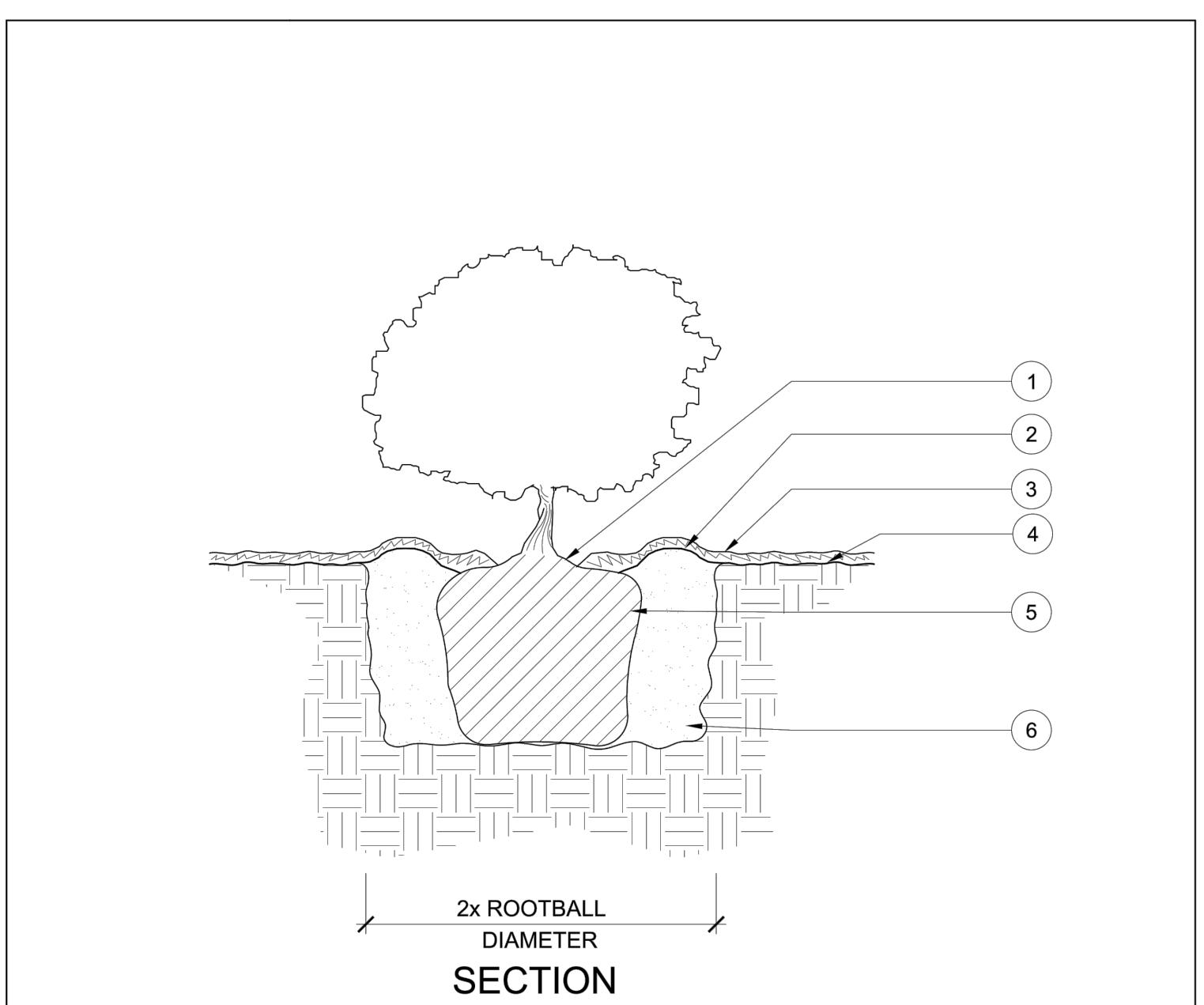
- 1 RIP OR SCARIFY TOP 12" OF SUBGRADE. ORGANIC AMENDMENTS TO BE NITROGEN STABILIZED FIR OR REDWOOD BARK.
 - 2 ADD AMENDMENTS AND FERTILIZER PER SOILS REPORT.
 - 3 ROTOTILL AMENDMENTS INTO TOPSOIL.
 - 4 LAY SOD PERPENDICULAR TO DRAINAGE FLOW LINES AND ROLL.
 - 5 ADJACENT PAVEMENT OR HEADER.
 - 6 FINISH GRADE. HOLD 1/2" BELOW TOP OF ADJACENT PAVING IN SEED OR 1-1/2" FOR SOD.
- NOTES:
- A. ALL TURF SHALL DRAIN AT 2% MINIMUM WITH 10:1 MAXIMUM.

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



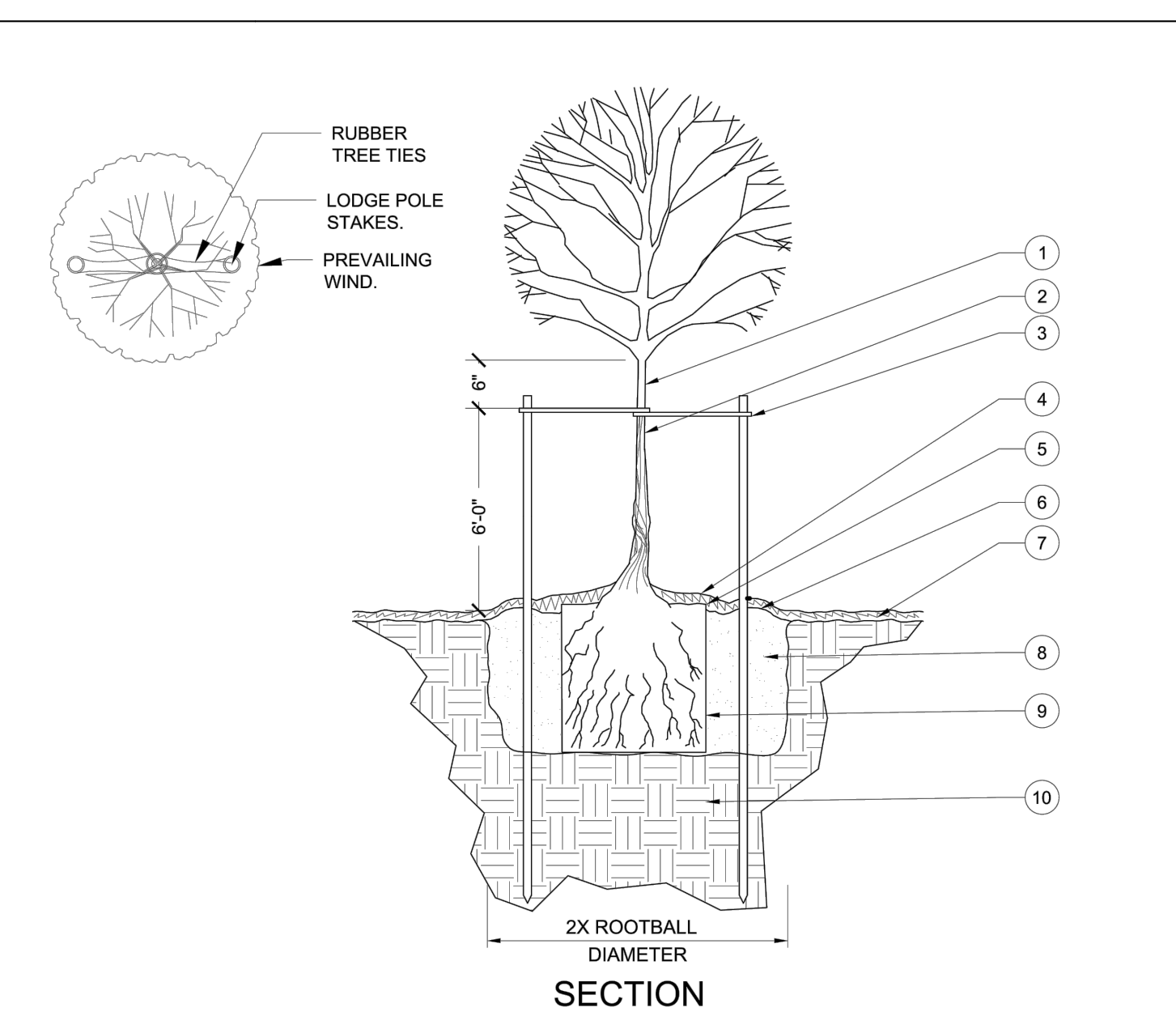
- 1 TREE
 - 2 FINISH GRADE
 - 3 MULCH
 - 4 CONCRETE WALK
 - 5 CONCRETE CURB
 - 6 24" DEEP ROOT BARRIER BY DEEP ROOT CORP. INSTALL 8" (MIN.) PANEL PER MANUFACTURER'S SPECIFICATIONS. INSTALL PER PLAN.
- NOTES:
- A. REFER TO "PLANTING NOTES" FOR MINIMUM TREE DISTANCE FROM HARDSCAPE REQUIRING A ROOT BARRIER.
 - B. SEE "TREE PLANTING" DETAIL (THIS SHEET) FOR PLANTING AND STAKING OF PROPOSED TREES.

3 TREE ROOT BARRIER
SCALE: NTS



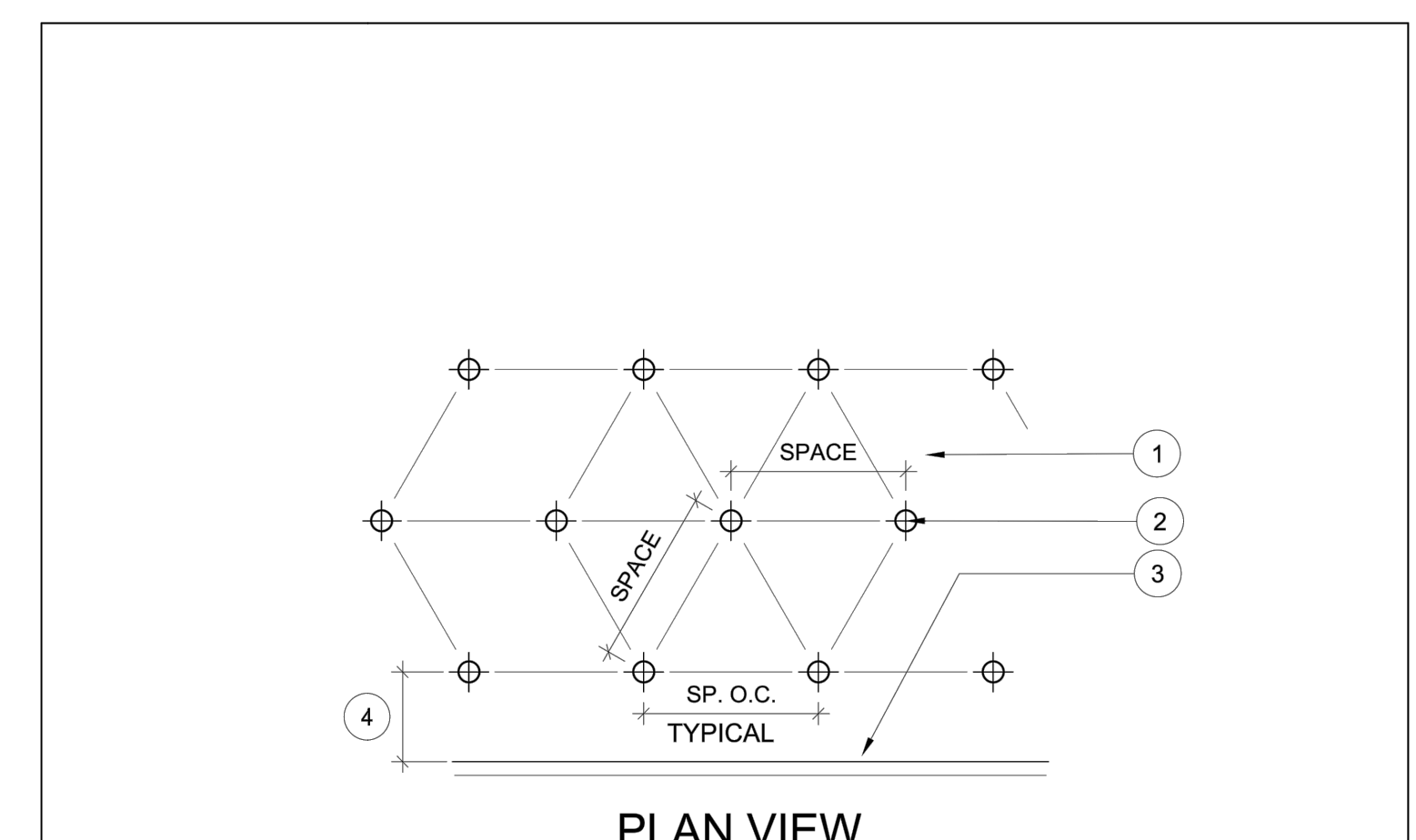
- CALLOUTS
- 1 PLANT ROOT CROWN 1" ABOVE FINISH GRADE.
 - 2 2" HIGH EARTH MOUND. FINISH GRADE
 - 3 BARK MULCH. MULCH SHALL NOT COVER ROOT CROWN.
 - 4 FINISH GRADE.
 - 5 SHRUB ROOTBALL.
 - 6 BACKFILL MIX, PER STANDARD SPECIFICATIONS.

4 SHRUB PLANTING



- CALLOUTS
- 1 TREE
 - 2 REMOVE NURSERY STAKE.
 - 3 VINYL OR NON-ABRASIVE RUBBER TREE TIES. 2 PER STAKE. WRAP NO WIRE AROUND TRUNK OR LIMB.
 - 4 BARK MULCH. NO MORE THAN 1" OF MULCH ON TOP OF ROOT BALL. KEEP TRUNK BASE CLEAR OF BARK
 - 5 TOP OF ROOT BALL SHALL BE A MINIMUM OF 1" ABOVE FINISHED GRADE.
 - 6 4" HIGH EARTH WATERING BERM IN PLANTER AREA ONLY. BERM SHALL BEGIN AT ROOT BALL PERIPHERY.
 - 7 FINISH SURROUNDING GRADE.
 - 8 LOOSENED NATIVE SOIL, PER STANDARD SPECIFICATIONS.
 - 9 ROOTS SHALL BE LOOSENED, SCORED, AND UNTANGLED PRIOR TO PLACING ROOT BALL IN HOLE.
 - 10 UNDISTURBED OR COMPACTED SOIL.

5 TREE PLANTING



- CALLOUTS
- 1 GROUNDCOVER SPACING: SEE PLANTING LEGEND.
 - 2 GROUNDCOVER CENTERS.
 - 3 WALL, SIDEWALK OR EDGE OR GROUNDCOVER PLANTING.
 - 4 HALF SPACE OF THE GROUNDCOVER SPACING OR AS SPECIFIED ON THE PLANS.
- NOTES
1. RIP OR SCARIFY TOP 12" OF SUBGRADE PRIOR TO PLANTING.
 2. ADD AMENDMENTS AND FERTILIZER PER SOILS REPORT.
 3. ROTOTILL AMENDMENTS AND FERTILIZER INTO TOP 12" OF TOPSOIL OR PER SOILS REPORT.
 4. PLANT GROUNDCOVER: TRIANGULAR SPACING.
 5. BARK MULCH, MULCH SHALL NOT COVER ROOT CROWN

6 GROUNDCOVER PLANTING

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |

CITY OF SACRAMENTO
Department of Youth, Parks and Community Enrichment

SHRUB PLANTING

APPROD BY: *[Signature]*
DATE: APRIL 2020 DWG. NO. L-203

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |

CITY OF SACRAMENTO
Department of Youth, Parks and Community Enrichment

TREE PLANTING

APPROD BY: *[Signature]*
DATE: APRIL 2020 DWG. NO. L-202

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |

CITY OF SACRAMENTO
Department of Youth, Parks and Community Enrichment

GROUNDCOVER PLANTING

APPROD BY: *[Signature]*
DATE: APRIL 2020 DWG. NO. L-200

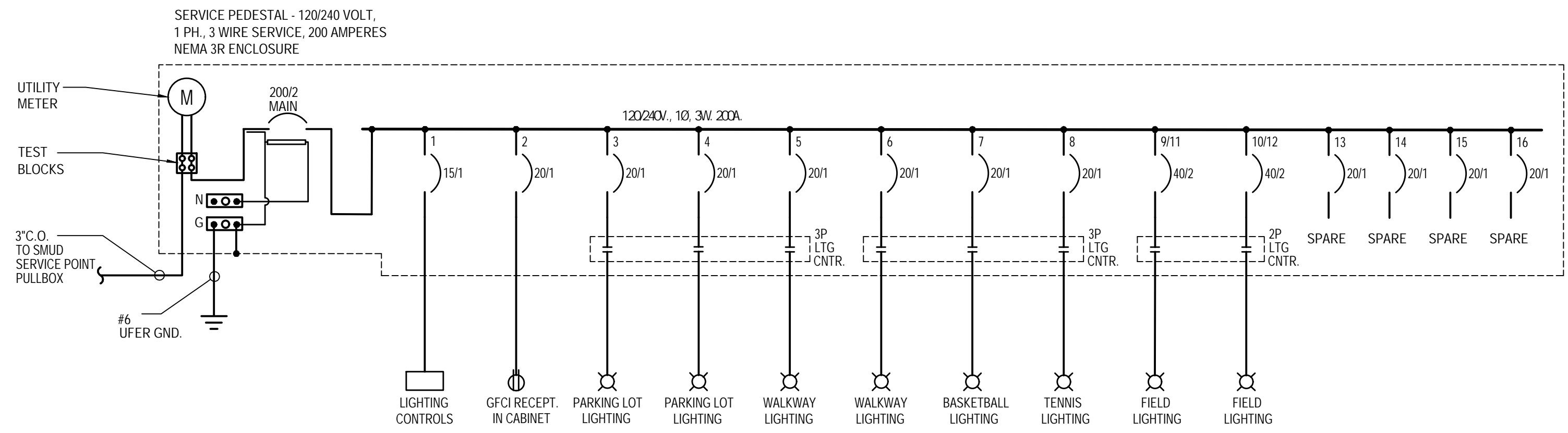


SHEET NOTES

◇ NOTES

◇ 2

◇ 3



2 ONE LINE DIAGRAM - 200A. SERVICE - PANEL 1
SCALE: NONE

| LIGHTING FIXTURE SCHEDULE | | | | | | | | |
|---------------------------|--------------------------------|-------|-------------|-----------------------|--------|--------------------|------------------------|--|
| TYPE | MANUFACTURER/ CATALOG NO. | VOLTS | DRIVER TYPE | KELVIN TEMPERATURE | CRI | FIXTURE WATTAGE | MOUNTING | DESCRIPTION |
| A | PHILIPS - GARDCO | 120 | 530mA | 4000K | 80 CRI | 80W | POLE MOUNTED | POLE MOUNTED SINGLE HEAD LED LUMINAIRE |
| | GL 18-MRI-1.4-80LA-4853-NW-BLP | | | | | | | SSP-15-4.0-11-BLK-SBP-8"9 1/2" |
| A1 | PHILIPS - GARDCO | 120 | 530mA | 4000K | 80 CRI | 80W X 2 | POLE MOUNTED | POLE MOUNTED DOUBLE HEAD LED LUMINAIRE |
| | GL 18-MRI-1.4-80LA-4853-NW-BLP | | | | | | | SSP-15-4.0-11-BLK-SBP-8"9 1/2" |
| B | CREE INC. | 120 | LED | 3000K | 80 CRI | 34W | POLE MOUNTED 12'-0" | CITY OF SACRAMENTO ORNAMENTAL POST |
| | BX DPT A SB FR A-30K-UL UF | | | | | | | TOP, STYLE 1, VIRGIN ACRYLIC LENS |
| C | EXCELLENCE OPTO | 120 | LED | 3000K | 80 CRI | 162W | POLE MOUNTED | CITY OF SACRAMENTO TYPE A COBRAHEAD |
| | ESU-EA013M03240M-150 | | | | | | | LED, 30' POLE. |

TITLE 24 EXEMPTION NOTE

SECTION 140.7 - PRESCRIPTIVE REQUIREMENTS FOR OUTDOOR LIGHTING

(a) AN OUTDOOR LIGHTING INSTALLATION COMPLIES WITH SECTION 140.7(a) IF IT MEETS THE REQUIREMENTS IN SUB-SECTIONS (b) AND (c), AND THE ACTUAL OUTDOOR LIGHTING POWER INSTALLED IS NO GREATER THAN THE ALLOWED OUTDOOR LIGHTING POWER CALCULATED UNDER SUB-SECTION (d). THE ALLOWED OUTDOOR LIGHTING SHALL BE CALCULATED ACCORDING TO OUTDOOR LIGHTING ZONE IN TITLE 24, PART 1, SECTION 10-114.

EXEMPTIONS TO SECTION 140.7(a): WHEN MORE THAN 50 PERCENT OF THE LIGHT FROM A LUMINAIRE FALLS WITHIN ONE OR MORE OF THE FOLLOWING APPLICATIONS, THE LIGHTING POWER FOR THAT LUMINAIRE SHALL BE EXEMPT FROM SECTION 140.7:

- LIGHTING FOR SPORTS AND ATHLETIC FIELDS AND CHILDREN'S PLAYGROUNDS.

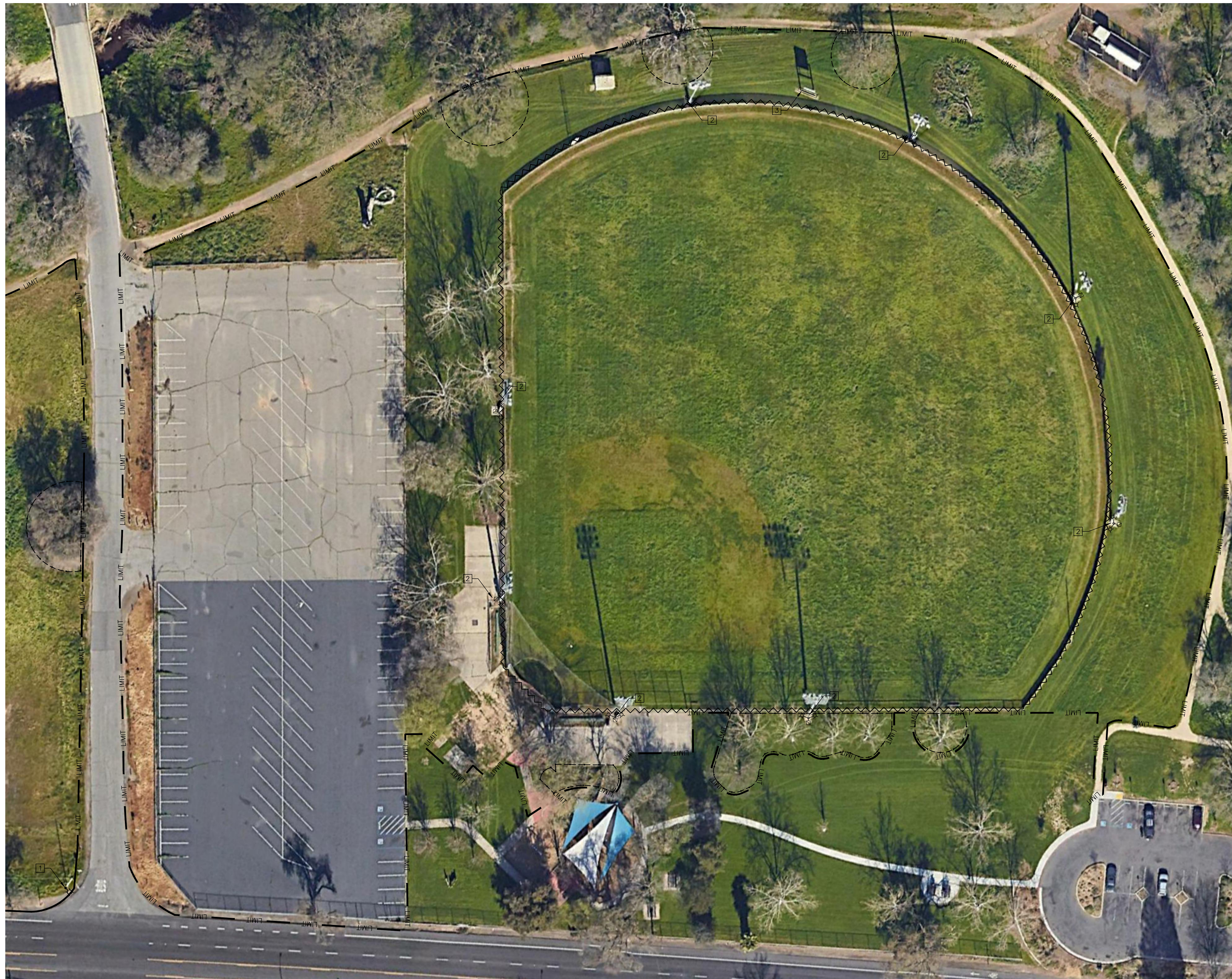
| | | |
|---------------------|---------------|---------------------------|
| NAMEPLATE: PANEL XX | BLDG: XXX | LOC: ELECTRICAL ROOM XXXX |
| ENCLOSURE: NEMA-1 | MTG: XXX | AICS RATING: 10,000 AIC |
| MAIN: CB OR MLO | BUS AMPS: XXX | VOLTS: 120/240, 1P, 3W |

| CKT NO | CIRCUIT DESCRIPTION | CB | POLES | TYPE | KVA | A | B | KVA | TYPE | POLE | CB | CIRCUIT DESCRIPTION | CKT NO. | |
|-------------------------------|----------------------------|----|-------|------|------|-------|--------|--------|------|------|----|---------------------|---------|----|
| 1 | RECEPTACLES | 20 | 1 | R | 1.08 | 1.98 | | 0.90 | R | 1 | 20 | RECEPTACLES | 2 | |
| 3 | EXHAUST FAN | 20 | 1 | NC | 1.50 | | | 0.50 | L | 1 | 20 | LIGHTING | 4 | |
| 5 | LIGHTING | 20 | 1 | L | 1.20 | | | 1.20 | | 1 | 20 | EXHAUST FAN | 6 | |
| 7 | COMPUTER | 20 | 1 | C | 1.20 | 2.20 | | | 1.00 | M | 1 | HVAC | 8 | |
| 9 | | 20 | 1 | | | | | | 1.00 | M | 1 | HVAC | 10 | |
| 11 | | 20 | 1 | | | | | 1.00 | 1.00 | M | 1 | HVAC | 12 | |
| 13 | | 20 | 1 | M | 1.00 | 1.00 | | | | 1 | 20 | SPARE | 14 | |
| 15 | | 20 | 1 | M | 1.00 | | | | | 1 | 20 | SPARE | 16 | |
| 17 | | 20 | 1 | M | 1.00 | | | 1.00 | | 1 | 20 | | 18 | |
| 19 | | 20 | 1 | | | 0.00 | | | | 1 | 20 | | 20 | |
| 21 | | 20 | 1 | | | | | | | 1 | 20 | | 22 | |
| 23 | HVAC | 30 | 2 | M | 1.00 | | | 2.00 | 1.00 | M | 2 | 20 | HVAC | 24 |
| 25 | | - | - | M | 1.00 | 2.00 | | | 1.00 | M | - | - | | |
| 27 | | 20 | 1 | | | | | | | 1 | 20 | | 28 | |
| 29 | | 20 | 1 | | | | | 0.00 | | 1 | 20 | | 30 | |
| 31 | | 20 | 1 | | | 0.00 | | | | 1 | 20 | | 32 | |
| 33 | | 20 | 1 | | | | | | | 1 | 20 | | 34 | |
| 35 | | 20 | 1 | | | | | 0.00 | | 1 | 20 | | 36 | |
| 37 | | 20 | 1 | | | 0.00 | | | | 1 | 20 | | 38 | |
| 39 | | 20 | 1 | | | | | | | 1 | 20 | | 40 | |
| 41 | | 20 | 1 | | | | | 0.00 | | 1 | 20 | | 42 | |
| CONNECTED KVA PER PHASE | | | | | | 7.18 | 0.00 | 5.20 | | | | | | |
| LOAD SUMMARY (KVA) | | | | | | CONN. | FACTOR | DEMAND | | | | | | |
| R | RECEPTACLES (FIRST 10 KVA) | | | | | 1.98 | 100% | 1.98 | | | | | | |
| R | RECEPTACLES (OVER 10 KVA) | | | | | 0.00 | 50% | 0.00 | | | | | | |
| NC | NON-CONTINUOUS LOADS | | | | | 1.50 | 100% | 1.50 | | | | | | |
| C | CONTINUOUS LOADS | | | | | 1.20 | 125% | 1.50 | | | | | | |
| L | LIGHTING | | | | | 1.70 | 125% | 2.13 | | | | | | |
| M | MOTOR +25% LARGEST MOTOR | | | | | 9.00 | 100% | 9.00 | | | | | | |
| TOTAL | | | | | | 15.38 | | 16.11 | | | | | | |
| TOTAL DEMAND LOAD AMPS | | | | | | | | 67.10 | | | | | | |

PNL XX



Know what's below.
Call before you dig.



SHEET NOTES

- ◇ EXISTING STREET LIGHT POLE TO REMAIN.
- ◇ DEMOLISH EXISTING FIELD LIGHT POLE AND PULL BOX. REMOVE EXISTING CONDUCTORS AND ABANDON EXISTING CONDUIT.
- ◇ DEMOLISH EXISTING SCOREBOARD AND PULL BOX. REMOVE EXISTING CONDUCTORS AND ABANDON EXISTING CONDUIT.

1 ELECTRICAL DEMOLITION PLAN

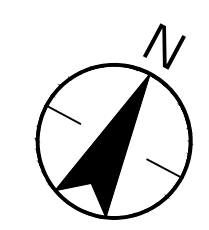
SCALE: 1" = 30'-0"

UTILITY NOTE:

EXISTING UTILITIES SHOWN HEREIN ARE APPROXIMATE ONLY AND MAY NOT SHOW ALL EXISTING FACILITIES WITHIN THE PROJECT AREA. CONTRACTOR MUST FIELD VERIFY AND POTHOLE EXISTING UTILITIES WITHIN THE PROJECT AREA PRIOR TO BEGINNING CONSTRUCTION. ALL EXISTING UTILITIES MUST BE PROTECTED IN PLACE DURING CONSTRUCTION.

SEE DRAWING E001 FOR GENERAL NOTES

SEE DRAWING E001 FOR DEMOLITION NOTES AND LEGENDS



Know what's below.
Call before you dig.

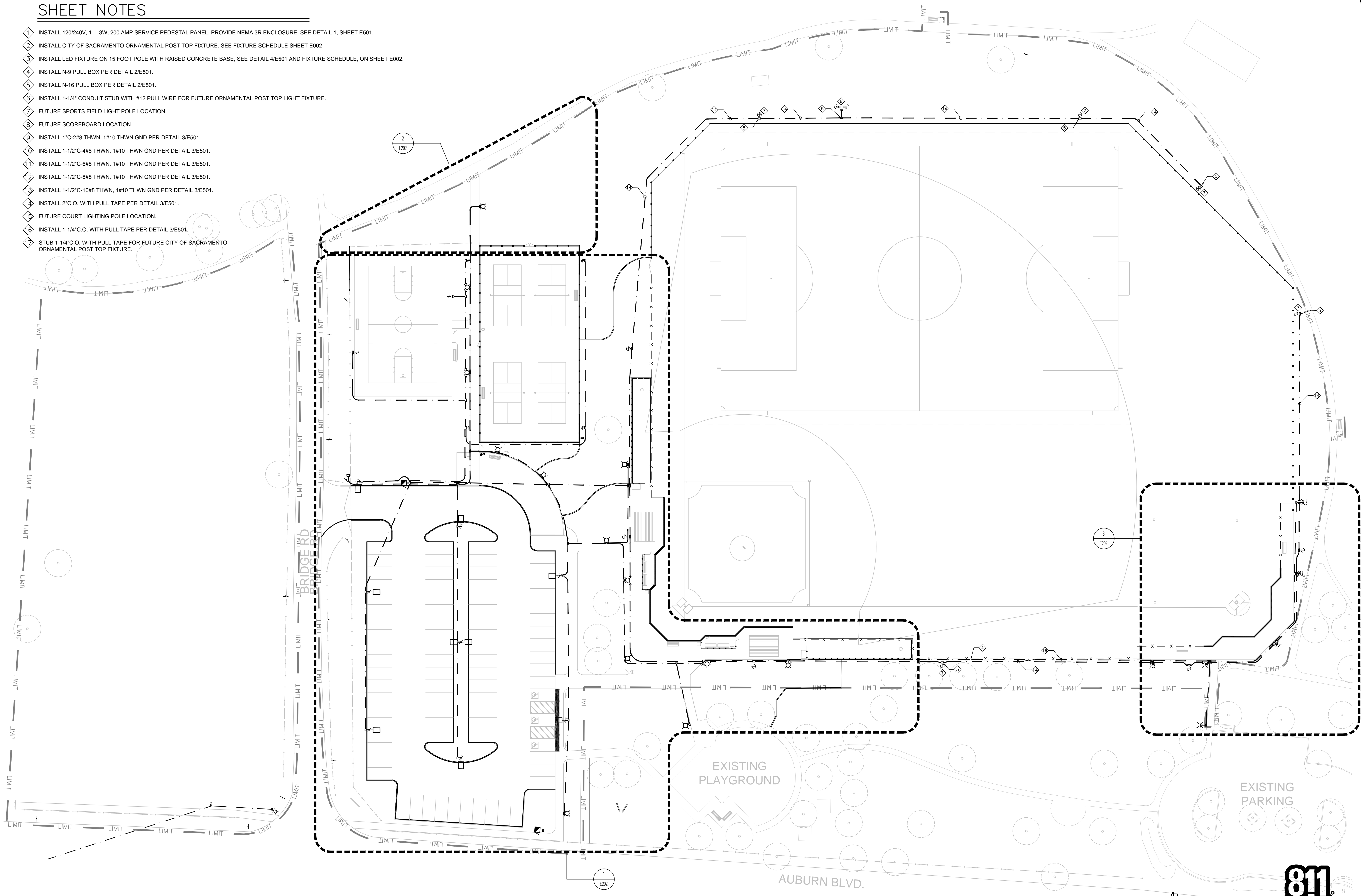
RENFREE FIELD RENOVATION
DEL PASO REGIONAL PARK
ELECTRICAL DEMOLITION PLAN

DESIGN BY: **Stantec**
DATE 05.01.2023
SCALE 1" = 30'-0"
P. N. L19-3000-02

REVISIONS
PRELIMINARY
NOT FOR CONSTRUCTION

SHEET NOTES

- 1 INSTALL 120/240V, 1 , 3W, 200 AMP SERVICE PEDESTAL PANEL. PROVIDE NEMA 3R ENCLOSURE. SEE DETAIL 1, SHEET E501.
- 2 INSTALL CITY OF SACRAMENTO ORNAMENTAL POST TOP FIXTURE. SEE FIXTURE SCHEDULE SHEET E002
- 3 INSTALL LED FIXTURE ON 15 FOOT POLE WITH RAISED CONCRETE BASE, SEE DETAIL 4/E501 AND FIXTURE SCHEDULE, ON SHEET E002.
- 4 INSTALL N-9 PULL BOX PER DETAIL 2/E501.
- 5 INSTALL N-16 PULL BOX PER DETAIL 2/E501.
- 6 INSTALL 1-1/4" CONDUIT STUB WITH #12 PULL WIRE FOR FUTURE ORNAMENTAL POST TOP LIGHT FIXTURE.
- 7 FUTURE SPORTS FIELD LIGHT POLE LOCATION.
- 8 FUTURE SCOREBOARD LOCATION.
- 9 INSTALL 1" C-2#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.
- 10 INSTALL 1-1/2" C-4#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.
- 11 INSTALL 1-1/2" C-6#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.
- 12 INSTALL 1-1/2" C-8#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.
- 13 INSTALL 1-1/2" C-10#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.
- 14 INSTALL 2" C.O. WITH PULL TAPE PER DETAIL 3/E501.
- 15 FUTURE COURT LIGHTING POLE LOCATION.
- 16 INSTALL 1-1/4" C.O. WITH PULL TAPE PER DETAIL 3/E501.
- 17 STUB 1-1/4" C.O. WITH PULL TAPE FOR FUTURE CITY OF SACRAMENTO ORNAMENTAL POST TOP FIXTURE.



1 ELECTRICAL OVERALL SITE PLAN
SCALE: 1" = 30'0"



RENFREE FIELD RENOVATION DEL PASO REGIONAL PARK ELECTRICAL LAYOUT PLAN

DESIGN BY: **Stantec**
DATE: 05.01.2023
SCALE: 1" = 30'-0"
P. N. L19-3000-02

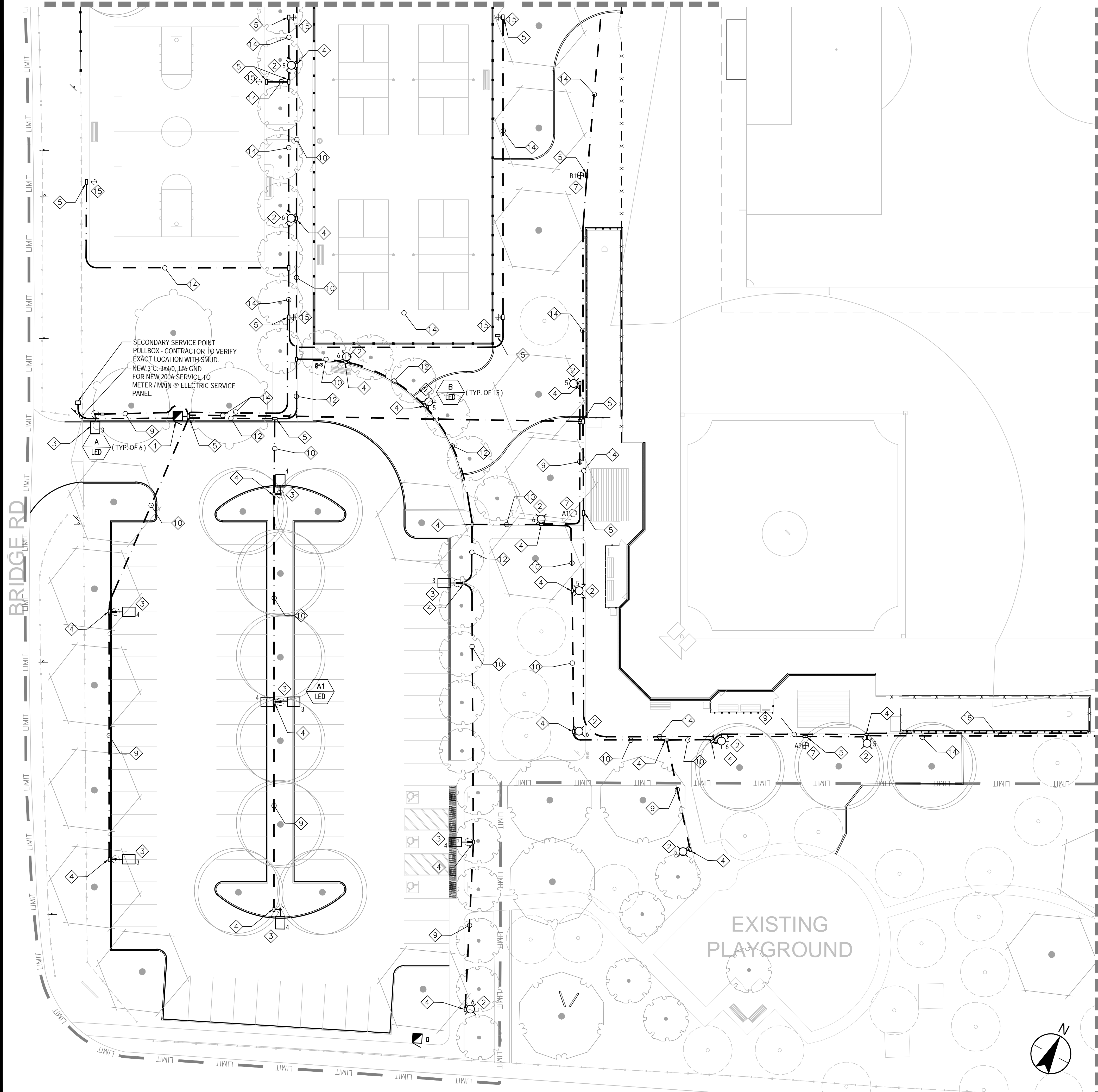
REVISIONS

PRELIMINARY
NOT FOR CONSTRUCTION

SHEET NO.
E201 of XX
1

MATCHLINE SEE THIS SHEET BELOW

MATCHLINE SEE SHEET E201

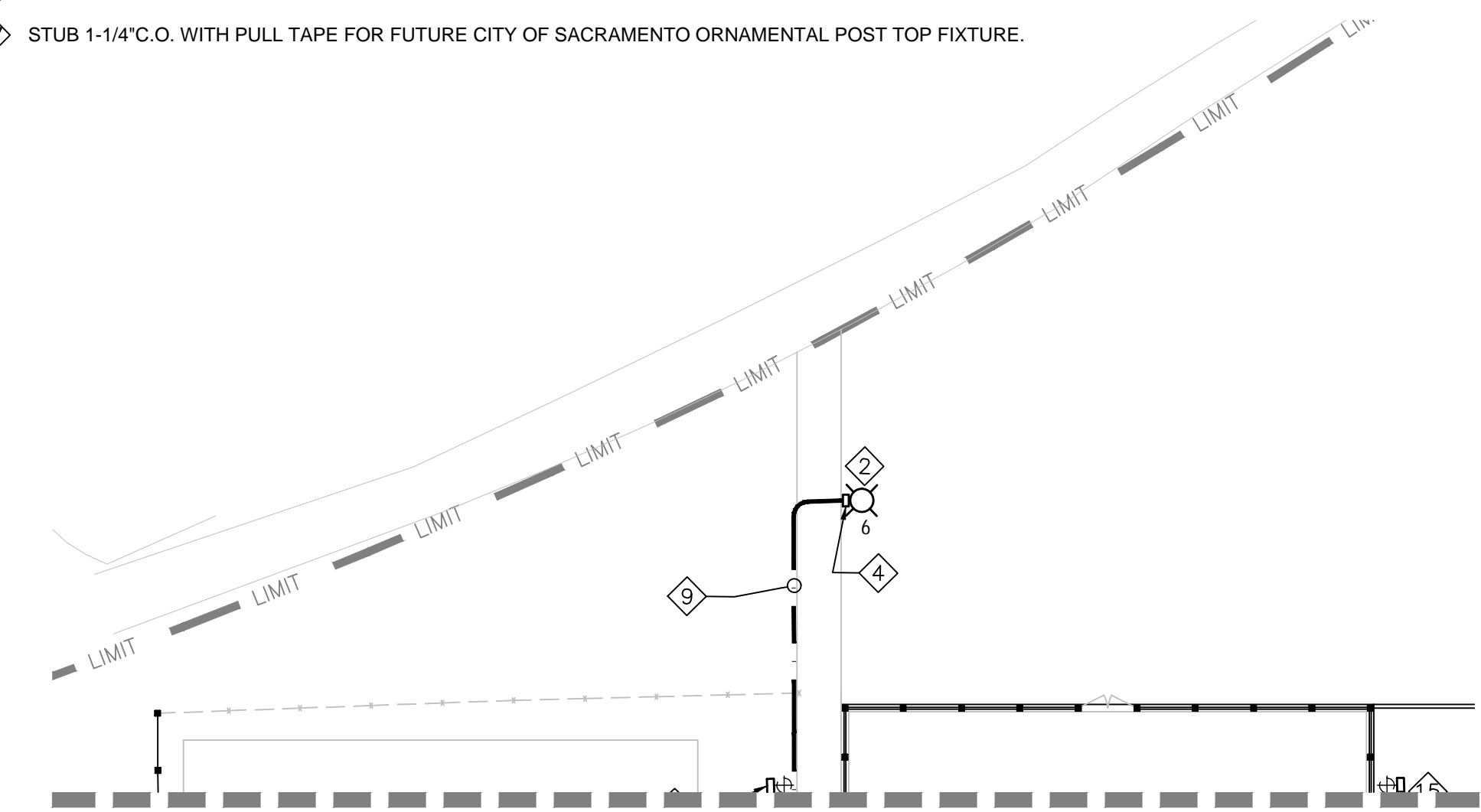


1 ENLARGED PARTIAL ELECTRICAL LAYOUT PLAN
SCALE: 1" = 20'-0"

SHEET NOTES

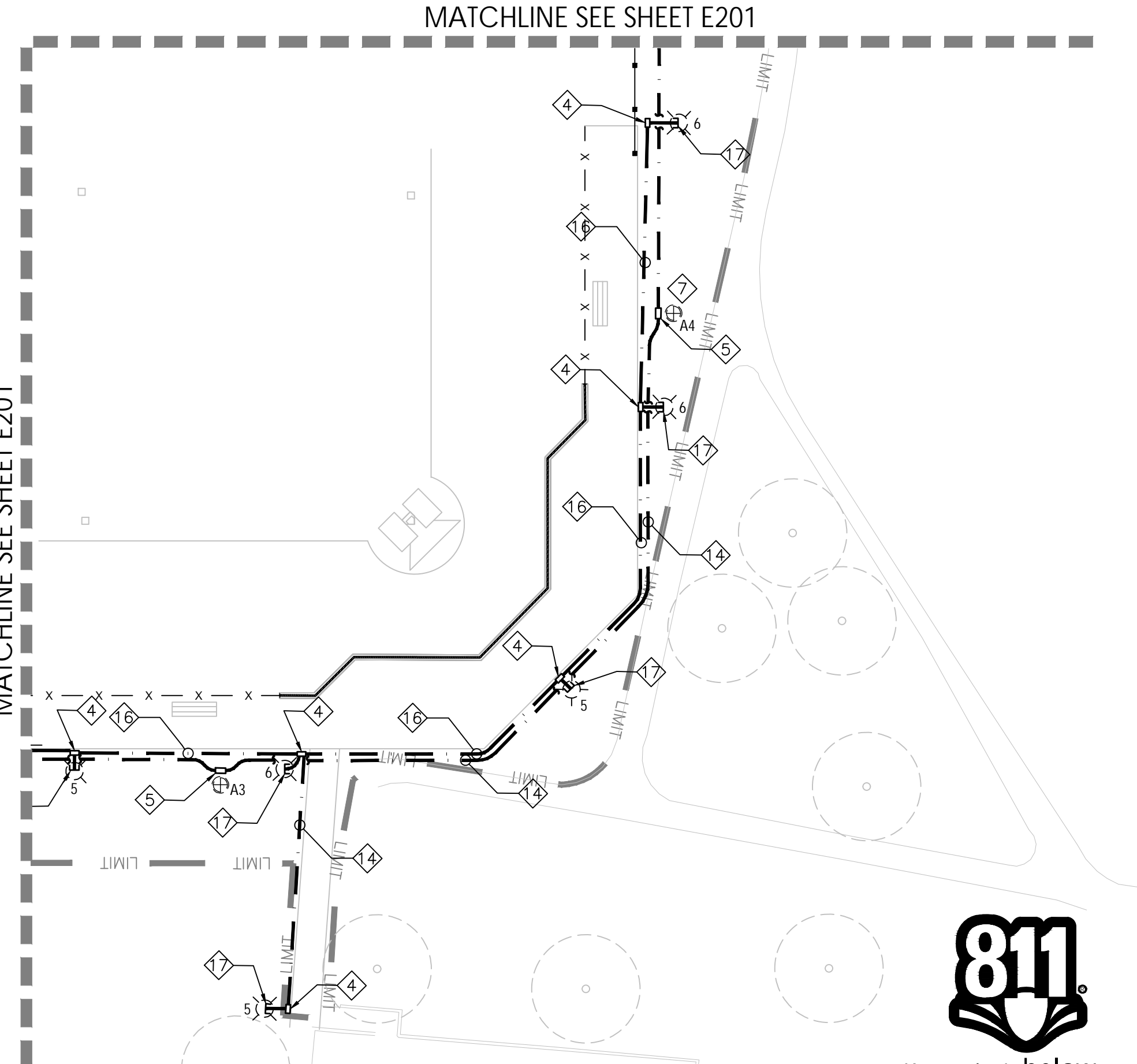
- 1 INSTALL 120/240V, 1 .3W, 200 AMP SERVICE PEDESTAL PANEL. PROVIDE NEMA 3R ENCLOSURE. SEE DETAIL 1, SHEET E501.
- 2 INSTALL CITY OF SACRAMENTO ORNAMENTAL POST TOP FIXTURE. SEE FIXTURE SCHEDULE SHEET E002
- 3 INSTALL LED FIXTURE ON 15 FOOT POLE WITH RAISED CONCRETE BASE. SEE DETAIL 4/E501 AND FIXTURE SCHEDULE, ON SHEET E002.
- 4 INSTALL N-9 PULL BOX PER DETAIL 2/E501.
- 5 INSTALL N-16 PULL BOX PER DETAIL 2/E501.
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- 11 INSTALL 1-1/2" C-6#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.
- 12 INSTALL 1-1/2" C-8#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.
- 13 INSTALL 1-1/2" C-10#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.
- 14 INSTALL 2" C.O. WITH PULL TAPE PER DETAIL 3/E501.
- 15 FUTURE COURT LIGHTING POLE LOCATION.
- 16 INSTALL 1-1/4" C.O. WITH PULL TAPE PER DETAIL 3/E501.
- 17 STUB 1-1/4" C.O. WITH PULL TAPE FOR FUTURE CITY OF SACRAMENTO ORNAMENTAL POST TOP FIXTURE.

MATCHLINE SEE SHEET E201



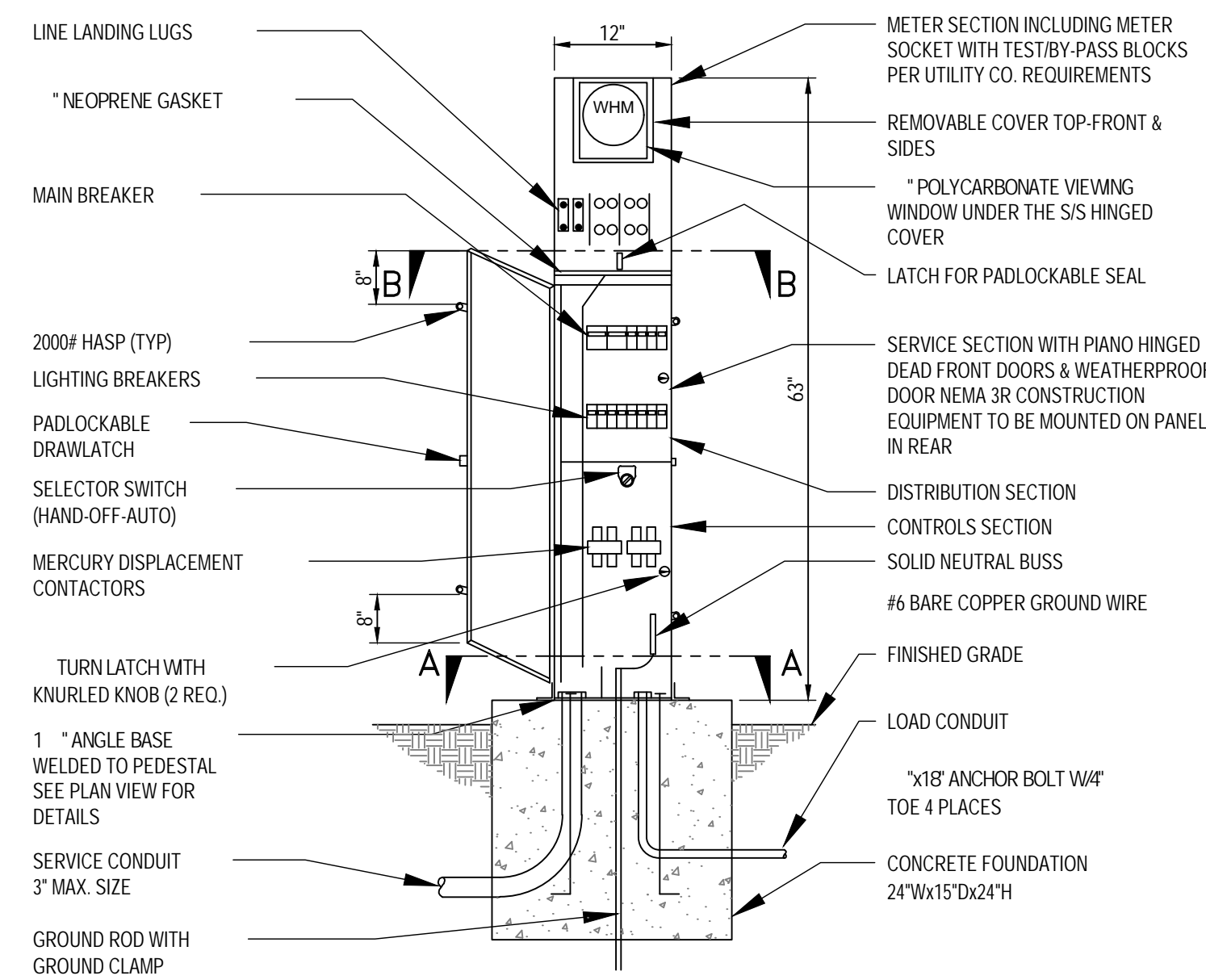
2 ENLARGED PARTIAL ELECTRICAL LAYOUT PLAN
SCALE: 1" = 20'-0"

MATCHLINE SEE SHEET E201

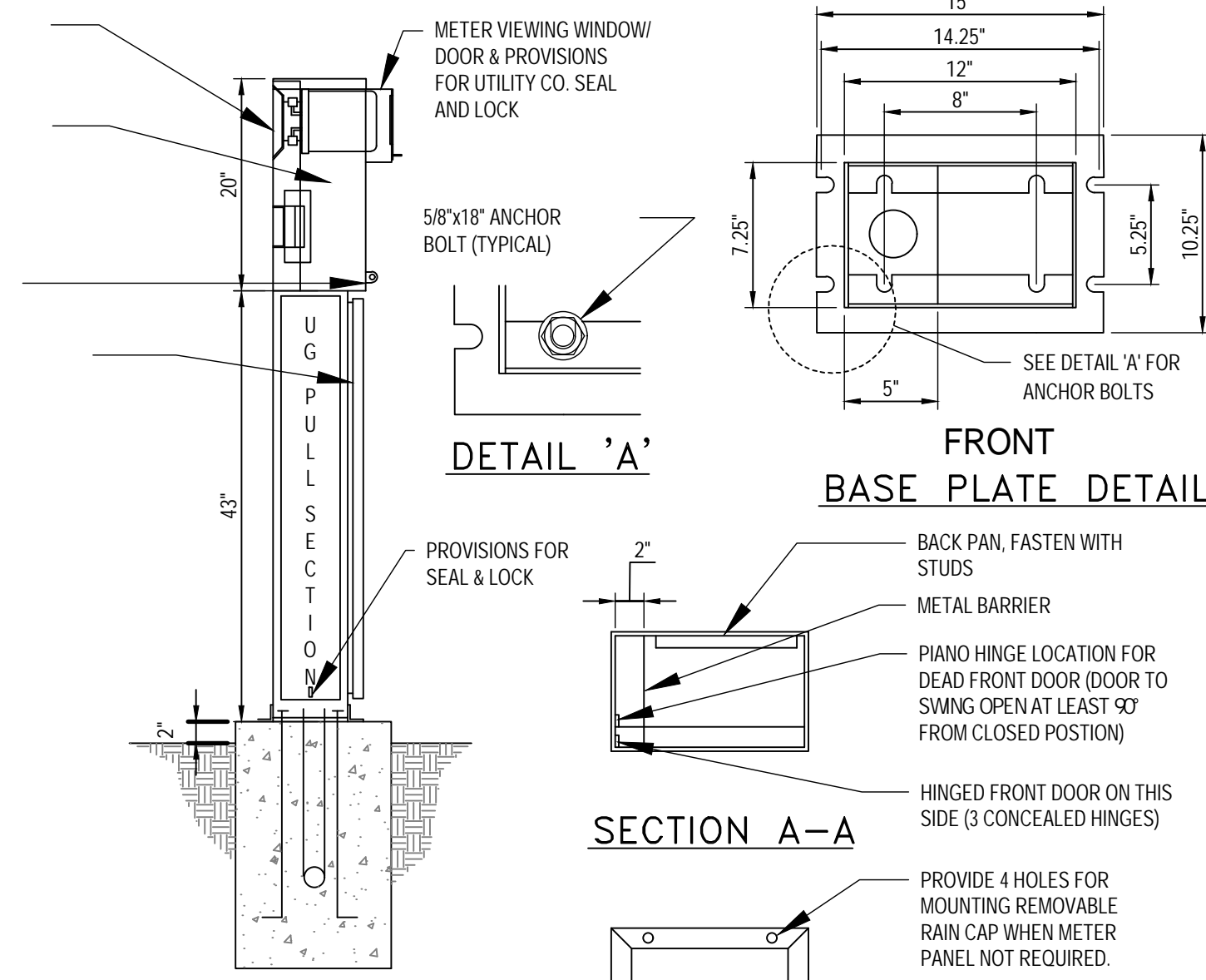


3 ENLARGED PARTIAL ELECTRICAL LAYOUT PLAN
SCALE: 1" = 20'-0"





FRONT VIEW



LEFT SIDE

FRONT BASE PLATE DETAIL

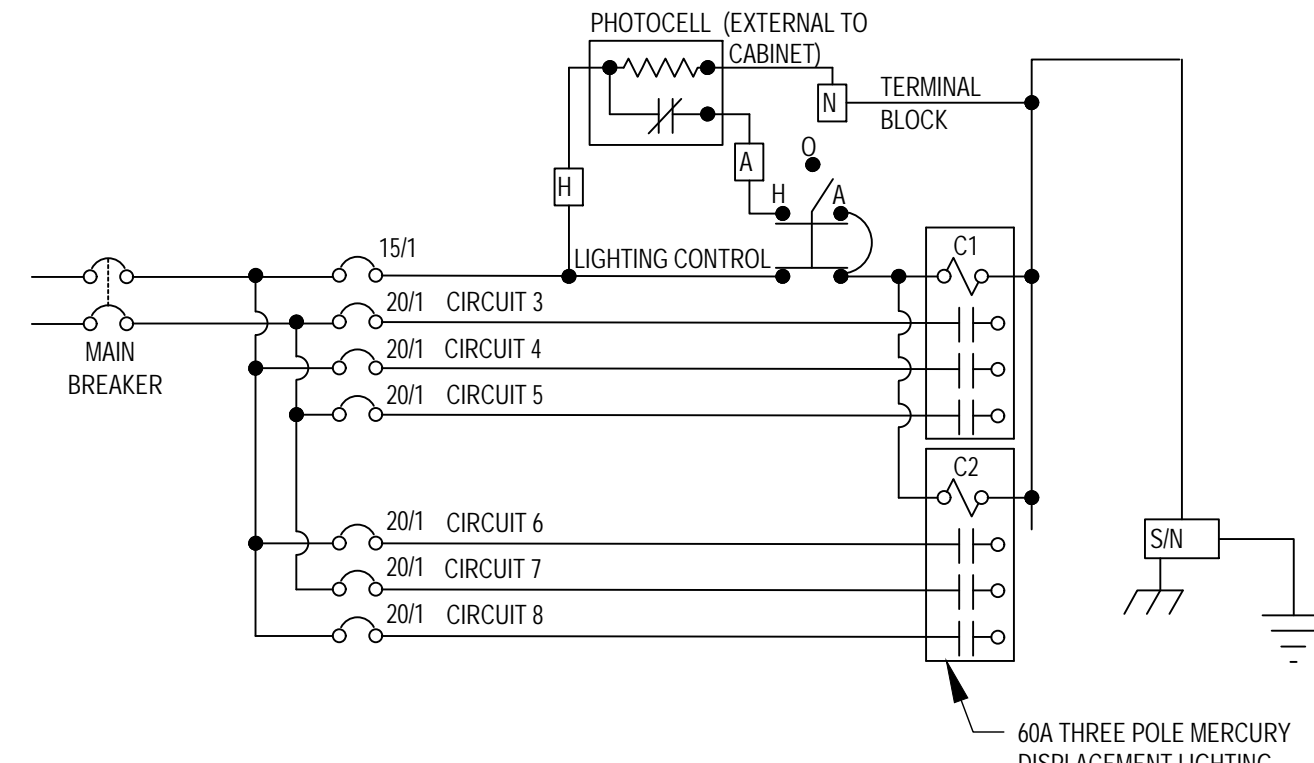
SECTION A-A

SECTION B-B

- EXTERIOR 14 GAUGE #304D STAINLESS STEEL, INTERIOR DEAD FRONT PANEL AND BACK PAN SHALL BE 14 GAUGE STEEL PAINTED WHITE ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
- CONSTRUCTION IS NEMA 3R AND 12, RAIN TIGHT AND DUST TIGHT.
- ALL NUTS, BOLTS, SCREWS AND HINGES SHALL BE STAINLESS STEEL.
- NUTS, BOLTS & SCREWS ARE NOT USED ON THE OUTSIDE OF PEDESTAL.
- PHENOLIC NAMEPLATES TO IDENTIFY ALL OPERATOR CONTROLS.
- CONTROL WIRING WILL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
- A PLASTIC COVERED WIRING DIAGRAM WILL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
- PEDESTAL WILL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
- PEDESTAL(S) WILL BE U.L. LISTED AS INDUSTRIAL CONTROL PANELS U.L. 508 FILE NO. E62062
- WIRING BETWEEN CIRCUIT BREAKER AND CONTACTOR SHALL BE A #6 THWN OR THHN MINIMUM.
- SERVICE SHALL BE OF TWO PIECE CONSTRUCTION.
- SEE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.

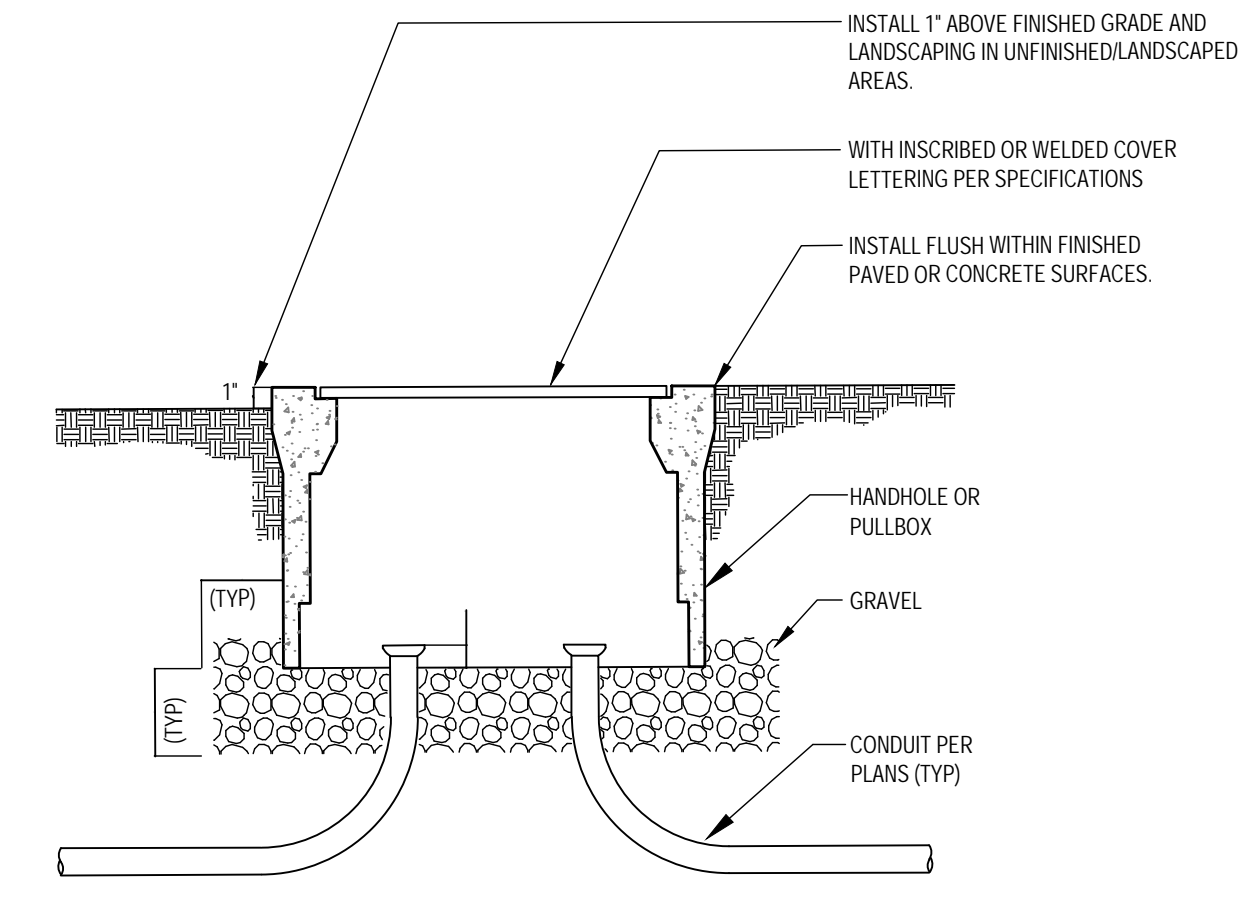
CITY OF SACRAMENTO
SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS
METERED SERVICE PEDESTAL (120/240)
NO SCALE

SECTION 86-2.11 SL-9
500C12

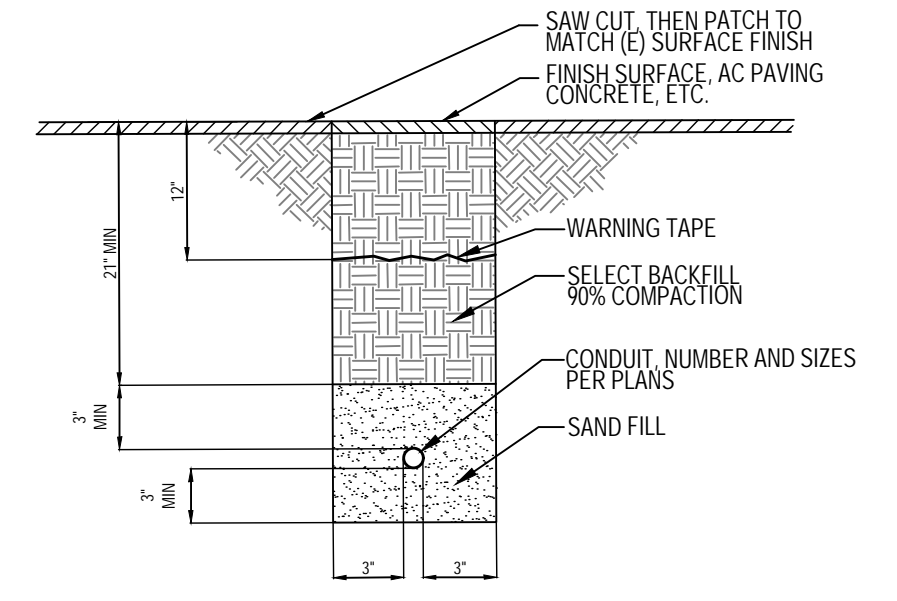


120V LIGHTING CONTROL WIRING SCHEMATIC DIAGRAM

1 SERVICE PEDESTAL DETAIL
E501 SCALE: NONE

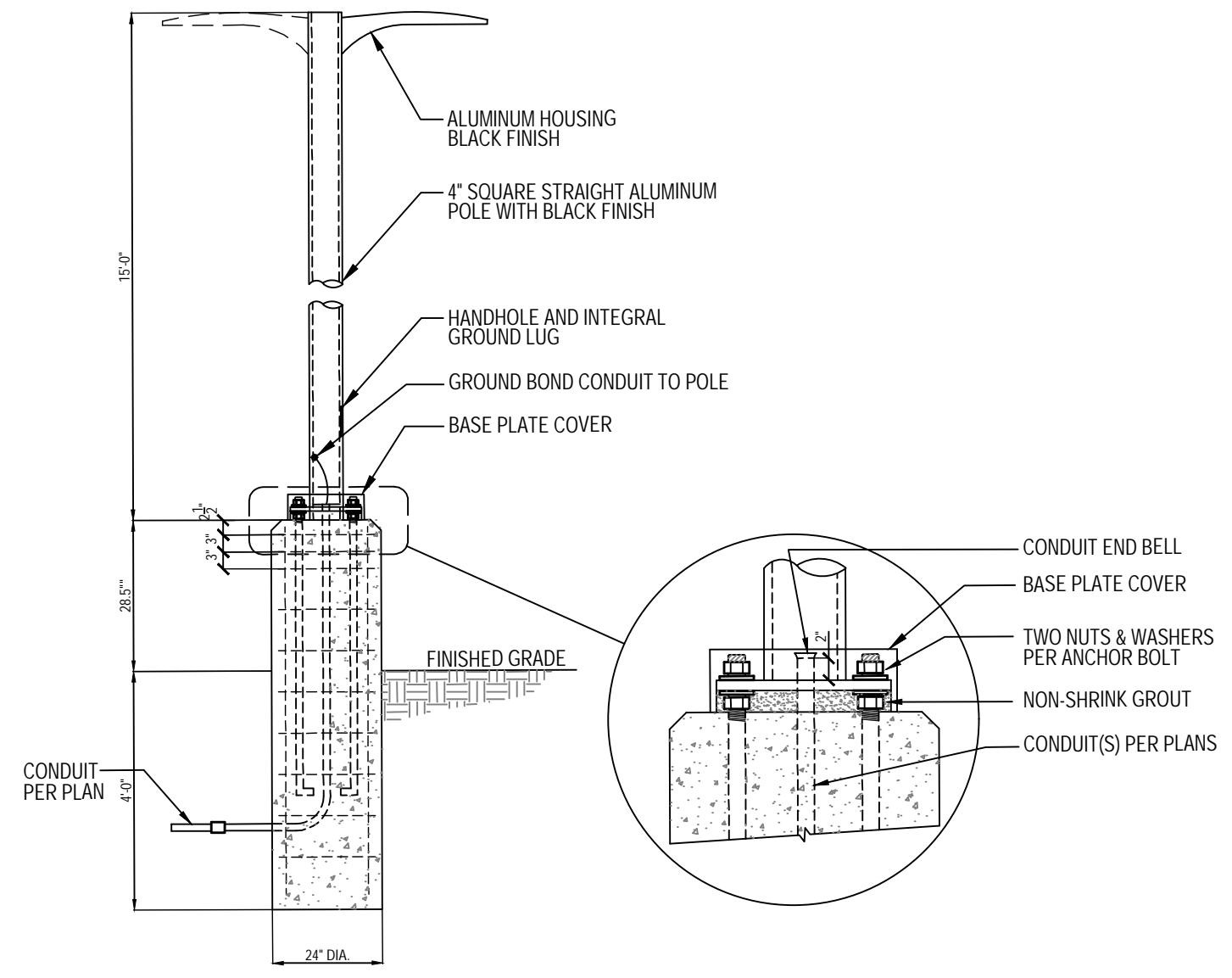


2 PULL BOX DETAIL
E501 SCALE: NONE

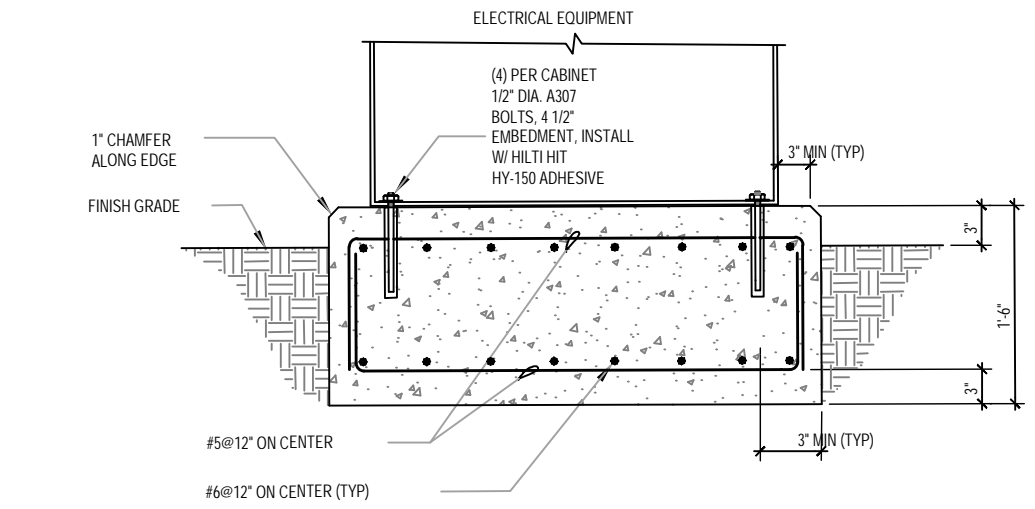


NOTE: WIDEN OR DEEPEN TRENCH TO ACCOMMODATE ALL CONDUITS/CONDUCTORS SHOWN ON THE SITE PLANS. MAINTAIN THE DIMENSIONS SHOWN FOR SAND FILL AND DEPTH TO TOP OF CONDUITS.

3 TRENCH DETAIL
E501 SCALE: NONE



4 POLE BASE DETAIL
E501 SCALE: NONE



NOTES:
1. EQUIPMENT BASE TOP SHALL BE LEVEL.
2. PRIOR TO EQUIPMENT BASE INSTALLATION, COMPACT SOIL UNDER AND BEYOND THE BASE TO 10% RELATIVE COMPACTION.

5 EQUIPMENT BASE DETAIL
E501 SCALE: NONE



Know what's below.
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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting NRCC-LTO-4
 CERTIFICATE OF COMPLIANCE (Page 1 of 7)
 Project Name: Del Paso Park Report Page: (Page 1 of 7)
 Project Address: 2023-06-19T12:38:12-04:00 Date Prepared:

A. GENERAL INFORMATION

01 Project Location (City) Sacramento 04 Total Illuminated Hardscape Area (ft²) 30347
 02 Climate Zone 12
 03 Outdoor Lighting Zone per Title 24 Part 1.10.114 or as designated by Authority Having Jurisdiction (AHJ):
 LZ-0: Very Low - Undeveloped Parkland LZ-2: Moderate - Urban Clusters LZ-4: High - Must be reviewed by CA Energy Commission for Approval
 LZ-1: Low - Rural Areas LZ-3: Moderately High - Urban Areas
 05 Occupancy Types within Project
 All Other Occupancies

B. PROJECT SCOPE
 This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.
 My Project Consists of:
 01 New Lighting System Must Comply with Allowances from 140.7 / 170.2(e)6
 Altered Lighting System Is your alteration increasing the connected lighting load (Watts)? Yes No
 02
 03 % of Existing Luminaires Being Altered¹ 04 Sum Total of Luminaires Being Added or Altered 05 Calculation Method
 < 10% >= 10% and < 50% >= 50%

¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting NRCC-LTO-4
 CERTIFICATE OF COMPLIANCE (Page 2 of 7)
 Project Name: Del Paso Park Report Page: (Page 2 of 7)
 Project Address: 2023-06-19T12:38:12-04:00 Date Prepared:

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

| Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv | | | | | | | | | | Compliance Results | |
|--|---|--|--|---|--|-----|-----------------------|----|----------------------|--------------------|--|
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | | | |
| General Hardscape Allowance + | Per Application 140.7(d)2 / 170.2(e)6 (See Table J) | + Sales Frontage 140.7(d)2 (See Table K) | + Ornamental 140.7(d)2 / 170.2(e)6 (See Table L) | + Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M) | OR Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N) | = | Total Allowed (Watts) | ≥ | Total Actual (Watts) | 07 must be >= 08 | |
| 894.79 | + | --- | + | --- | + | --- | 894.79 | ≥ | 720 | COMPLIES | |
| Shielding Compliance (See Table G for Details) | | | | | | | | | | N/A | |
| Controls Compliance (See Table H for Details) | | | | | | | | | | COMPLIES | |

D. EXCEPTIONAL CONDITIONS
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
 This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting NRCC-LTO-4
 CERTIFICATE OF COMPLIANCE (Page 3 of 7)
 Project Name: Del Paso Park Report Page: (Page 3 of 7)
 Project Address: 2023-06-19T12:38:12-04:00 Date Prepared:

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
 For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (i.e. existing luminaires remaining or existing luminaires being moved are not included). 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.

Designed Wattage:

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 |
|------------------|---|------------------------------------|---------------------------|--------------------------------------|-------------------------------|------------------------------------|---------------------|--|---------------------------|
| Name or Item Tag | Complete Luminaire Description | Watts per luminaire ^{1,2} | How is Wattage determined | Total Number Luminaires ² | Luminaire Status ³ | Excluded per 140.7(a) / 170.2(e)6A | Design Watts | Cutoff Req. > 6,200 Initial lumen output 130.2(b) / 160.5(c)1 ⁴ | Field Inspector Pass Fail |
| A | Pole mounted single LED luminaire, 17'-6" Mounting Height | 80 | Mfr. Spec | 7 | New | <input type="checkbox"/> | 560 | NA: illuminate public right-of-way | <input type="checkbox"/> |
| A1 | Pole mounted double LED luminaire, 17'-6" Mounting Height | 160 | Mfr. Spec | 1 | New | <input type="checkbox"/> | 160 | NA: illuminate public right-of-way | <input type="checkbox"/> |
| | | | | | | | Total Design Watts: | 720 | |

¹ NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
 EX: Luminaire is lighting a statue, EXCEPTION 2 to 130.2(b)
² FOOTNOTES: Authority Having Jurisdiction may ask for luminaire cut sheets to confirm wattage used for compliance per 130.2(c) / 160.5(b)
³ For linear luminaires, wattage should be indicated as W/Lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
⁴ Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
⁵ Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b) / 160.5(c)

G. SHIELDING REQUIREMENTS (BUG)
 This section does not apply to this project.

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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting NRCC-LTO-4
 CERTIFICATE OF COMPLIANCE (Page 4 of 7)
 Project Name: Del Paso Park Report Page: (Page 4 of 7)
 Project Address: 2023-06-19T12:38:12-04:00 Date Prepared:

H. OUTDOOR LIGHTING CONTROLS
 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.
 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.
Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

| 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 |
| PARKING LOT: "A" | Astronomical Timer | Provided | Provided | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |
| PARKING LOT: "A1" | Astronomical Timer | Provided | Provided | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

¹ FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.
² Authority having jurisdiction may ask for cut sheets or other documentation to confirm compliance of light source.
³ Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are exempted from ii and iii.

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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting NRCC-LTO-4
 CERTIFICATE OF COMPLIANCE (Page 5 of 7)
 Project Name: Del Paso Park Report Page: (Page 5 of 7)
 Project Address: 2023-06-19T12:38:12-04:00 Date Prepared:

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))
 This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/170.2-R while "Use it or lose it" allowances are per Table 140.7-B/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.
 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.
 Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

| 01 | | | | | | | | | |
|---|---|---------------------------|-------------------------|--------------------------|--------------------------|--------------------------|---------------------------------|--------------------------|---------------------------|
| "Use it or lose it" Allowance (select all that apply) (select all that apply) | | | | | | | | | |
| <input checked="" type="checkbox"/> | General Hardscape Allowance Table I (below) | <input type="checkbox"/> | Per Application Table J | <input type="checkbox"/> | Sales Frontage Table K | <input type="checkbox"/> | Ornamental Table L | <input type="checkbox"/> | Per Specific Area Table M |
| 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | | |
| Area Description | Area Wattage Allowance (AWA) Illuminated Area (ft²) | Allowance Density (W/ft²) | Area Allowance (Watts) | Perimeter Length (lf) | Allowance Density (W/lf) | Linear Allowance (Watts) | Total General AWA + LWA (Watts) | | |
| PARKING LOT | 30347 | 0.019 | 576.59 | 788 | 0.15 | 118.2 | 694.79 | | |
| Initial Wattage Allowance for Entire Site (Watts): | | | | | | | 200 | | |
| Instances of Initial Wattage Allowance (L2 0 only) ¹ | | | | | | | | | |
| Total General Hardscape Allowance (Watts): | | | | | | | 894.79 | | |

J. LIGHTING ALLOWANCE: PER APPLICATION
 This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE
 This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL
 This section does not apply to this project.

Generated Date/Time: Documentation Software: Energy Code Ace
 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 115491-0623-0002 Schema Version: rev 20220101 Report Generated: 2023-06-19 09:38:13

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting NRCC-LTO-4
 CERTIFICATE OF COMPLIANCE (Page 6 of 7)
 Project Name: Del Paso Park Report Page: (Page 6 of 7)
 Project Address: 2023-06-19T12:38:12-04:00 Date Prepared:

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
 This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
 This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
 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
 Form/Title
 NRCC-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 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/atccp/providers.html>
 Form/Title
 NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.
 PARKING LOT: "A"; PARKING LOT: "A1"

Generated Date/Time: Documentation Software: Energy Code Ace
 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 115491-0623-0002 Schema Version: rev 20220101 Report Generated: 2023-06-19 09:38:13

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting NRCC-LTO-4
 CERTIFICATE OF COMPLIANCE (Page 7 of 7)
 Project Name: Del Paso Park Report Page: (Page 7 of 7)
 Project Address: 2023-06-19T12:38:12-04:00 Date Prepared:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

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

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Signature:
 Company: Date Signed:
 Address: License:
 City/State/Zip: Phone:

Generated Date/Time: Documentation Software: Energy Code Ace
 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 115491-0623-0002 Schema Version: rev 20220101 Report Generated: 2023-06-19 09:38:13

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting NRCC-LTO-4
 CERTIFICATE OF COMPLIANCE (Page 7 of 7)
 Project Name: Del Paso Park Report Page: (Page 7 of 7)
 Project Address: 2023-06-19T12:38:12-04:00 Date Prepared:

Generated Date/Time: Documentation Software: Energy Code Ace
 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 115491-0623-0002 Schema Version: rev 20220101 Report Generated: 2023-06-19 09:38:13

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting NRCC-LTO-4
 CERTIFICATE OF COMPLIANCE (Page 7 of 7)
 Project Name: Del Paso Park Report Page: (Page 7 of 7)
 Project Address: 2023-06-19T12:38:12-04:00 Date Prepared:

Generated Date/Time: Documentation Software: Energy Code Ace
 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 115491-0623-0002 Schema Version: rev 20220101 Report Generated: 2023-06-19 09:38:13

CITY OF SACRAMENTO
 DEPT. OF PARKS & RECREATION
 PARK PLANNING & DEVELOPMENT SERVICES
 LANDSCAPE ARCHITECTURE SECTION
 915 I STREET, 3RD FLOOR, SACRAMENTO, CA 95814
 RENEWABLE FIELD RENOVATION DEL PASO REGIONAL PARK (L19S00002)

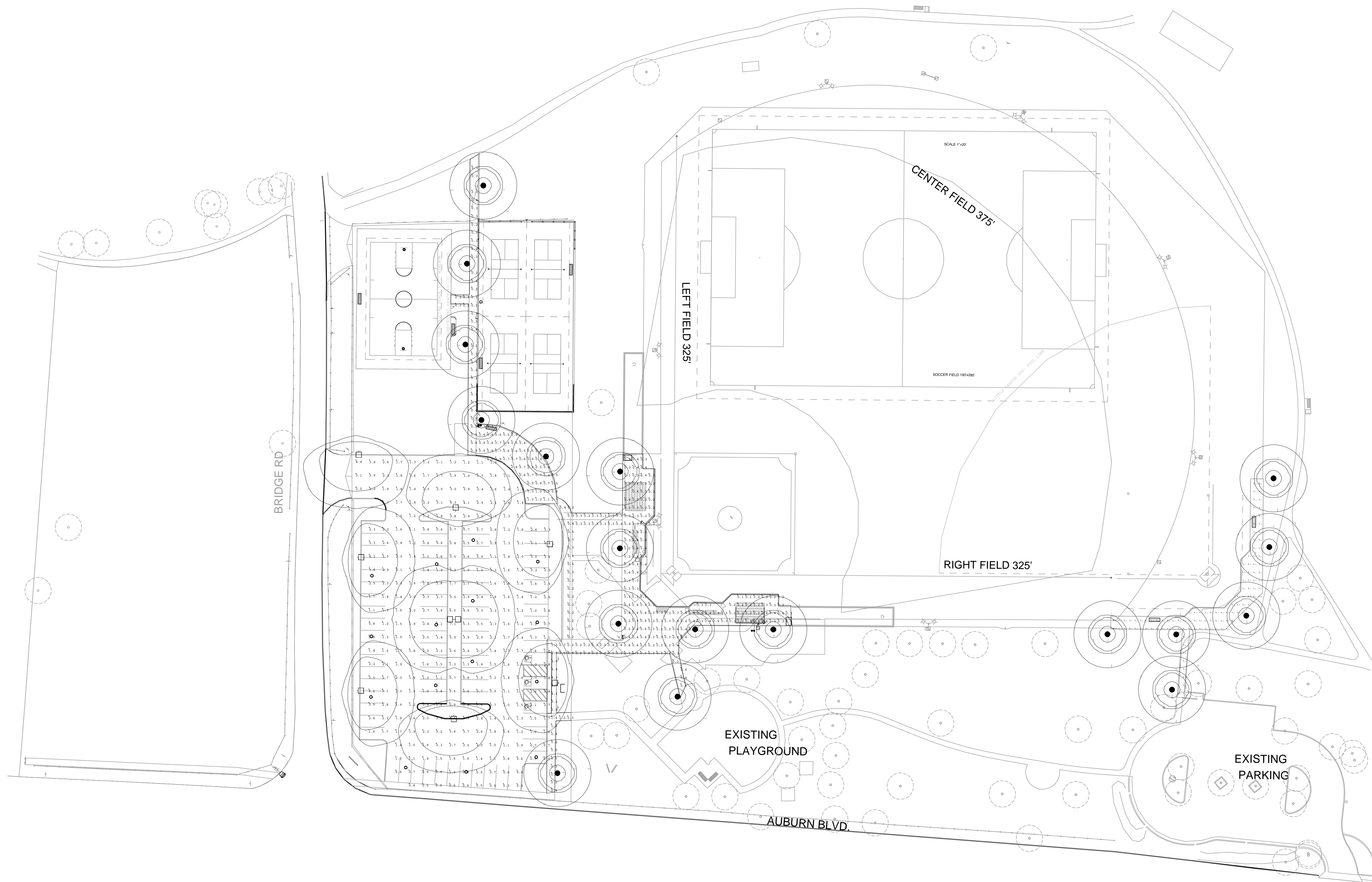
CITY OF SACRAMENTO
 DEPT. OF PARKS & RECREATION
 PARK PLANNING & DEVELOPMENT SERVICES
 LANDSCAPE ARCHITECTURE SECTION
 915 I STREET, 3RD FLOOR, SACRAMENTO, CA 95814
 RENEWABLE FIELD RENOVATION DEL PASO REGIONAL PARK (L19S00002)

RENEWABLE FIELD RENOVATION
 DEL PASO REGIONAL PARK
 TITLE 24 COMPLIANCE - LIGHTING

DESIGN BY:

 DATE 05.01.2023
 SCALE AS NOTED
 P. N. L19-3000-02
 REVISIONS
 PRELIMINARY
 NOT FOR CONSTRUCTION
 SHEET NO.
 E601 of XX
 1





Calculation Summary

| Label | CalcType | Units | Avg | Max | Min | AvgMin |
|----------------------|----------|-------|------|-----|-----|--------|
| FRONT HARDSCAPE | Balances | FC | 0.48 | 4.7 | 0.1 | 4.80 |
| PARKING LOT | Balances | FC | 1.82 | 7.1 | 0.3 | 4.07 |
| SMALL FIELD HARDSCAP | Balances | FC | 0.36 | 0.5 | 0.1 | 3.60 |

Luminaire Schedule

| Symbol | Qty | Label | Arrangement | Description | Tag | LF | Luminaire Lumens | Luminaire Height | Total Height | Mounting Height | Arrangement Width | Arm | MANUFACT |
|--------|-----|--------------------------------|-------------|---------------------|-------------------------|-------|---------------------|---------------------|-----------------|--------------------|----------------------|-----|---------------------|
| □ | 1 | CL18-4-BOLA-483-NBK-1 | Back Back | CL18-4-BOLA-483-NBK | g18 type 4 back to back | 0-900 | 6484 | 80 | 140 | 17.375 | 140 | 1 | PHILIPS GARDCO |
| □ | 7 | CL18-4-BOLA-483-NBK | Single | CL18-4-BOLA-483-NBK | g18 type 4 | 0-900 | 6484 | 80 | 560 | 17.375 | 80 | 1 | PHILIPS GARDCO |
| ● | 18 | DPT-A-181-FR-A-30K-12-UF-PL027 | Single | SDOPTASGRADK-LEUP | | 0-900 | 3393 | 33.89 | 410.02 | 12 | 33.89 | 0 | Osco Inc |
| — | 1 | ESU-EA013WED-RBM-100 | Single | | | 0-900 | 13851 | 141.9 | 141.9 | 30 | 141.9 | 0 | EXCELLENCE OPTO INC |



Del Paso Park
Sacramento, CA

Lighting System

| Pole / Fixture Summary | | | | | | |
|------------------------|-------------|------------|-------------|----------------|-----------------|---------|
| Pole ID | Pole Height | Mtg Height | Fixture Qty | Luminaire Type | Load | Circuit |
| A1-A2 | 70' | 70' | 3 | TLC-LED-1200 | 3.51 kW | A |
| | | 70' | 1 | TLC-LED-900 | 0.88 kW | A |
| | | 16' | 1 | TLC-BT-575 | 0.58 kW | A |
| A3-A4 | 70' | 70' | 1 | TLC-LED-1200 | 1.17 kW | B |
| | | 70' | 2 | TLC-LED-900 | 1.76 kW | B |
| | | 16' | 1 | TLC-BT-575 | 0.58 kW | B |
| B1 | 100' | 100' | 2 | TLC-LED-1200 | 2.34 kW | C |
| | | 100' | 1 | TLC-LED-1200 | 1.17 kW | A |
| | | 100' | 1 | TLC-LED-1500 | 1.41 kW | C |
| B2 | 100' | 100' | 2 | TLC-LED-1500 | 2.82 kW | A |
| | | 16' | 1 | TLC-BT-575 | 0.58 kW | C |
| | | 16' | 1 | TLC-BT-575 | 0.58 kW | A |
| B4 | 80' | 100' | 6 | TLC-LED-1200 | 7.02 kW | C |
| | | 100' | 3 | TLC-LED-1500 | 4.23 kW | C |
| | | 16' | 2 | TLC-BT-575 | 1.15 kW | C |
| BA1-BA2 | 40' | 80' | 1 | TLC-LED-1200 | 1.17 kW | C |
| | | 80' | 3 | TLC-LED-1500 | 4.23 kW | C |
| | | 16' | 1 | TLC-BT-575 | 0.58 kW | C |
| D1 | 80' | 80' | 2 | TLC-LED-550 | 1.08 kW | D |
| PB1-PB4 | 50' | 80' | 3 | TLC-LED-1500 | 4.23 kW | A |
| | | 16' | 1 | TLC-BT-575 | 0.58 kW | A |
| S1-S2 | 70' | 50' | 3 | TLC-LED-550 | 1.62 kW | E |
| | | 70' | 4 | TLC-LED-1200 | 4.68 kW | A |
| | | 16' | 1 | TLC-BT-575 | 0.58 kW | A |
| 16 | | | 72 | | 68.16 kW | |

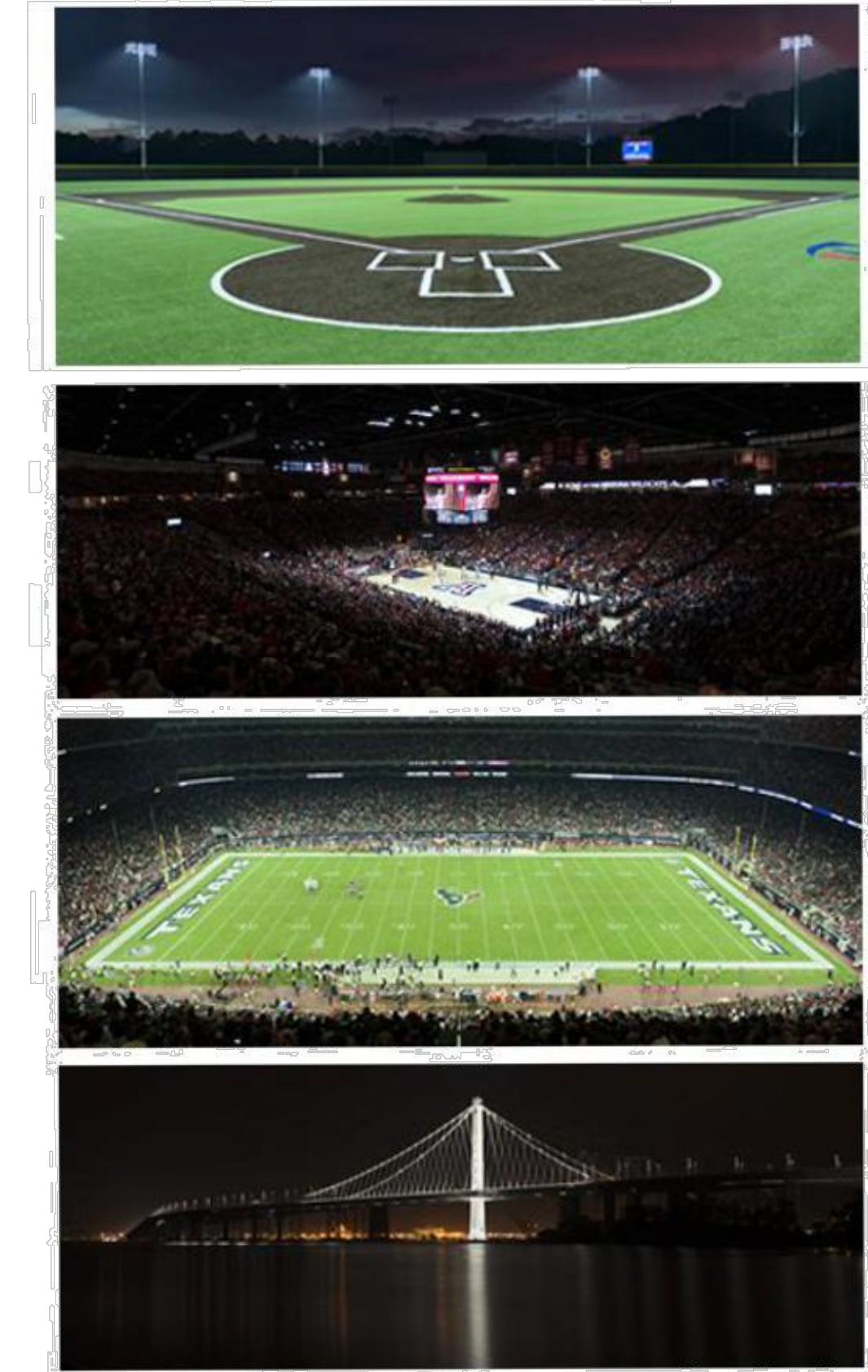
| Circuit Summary | | | |
|-----------------|----------------|----------|-------------|
| Circuit | Description | Load | Fixture Qty |
| A | Baseball | 29.81 kW | 28 |
| B | Softball | 7.01 kW | 8 |
| C | BB/SB/SO | 22.7 kW | 20 |
| D | Basketball | 2.16 kW | 4 |
| E | Pickleball 1-4 | 6.48 kW | 12 |

| Fixture Type Summary | | | | | | | |
|----------------------|--------------------|---------|---------|----------|----------|----------|----------|
| Type | Source | Wattage | Lumens | L90 | L80 | L70 | Quantity |
| TLC-LED-1200 | LED 5700K - 75 CRI | 1170W | 150,000 | >120,000 | >120,000 | >120,000 | 26 |
| TLC-LED-900 | LED 5700K - 75 CRI | 880W | 104,000 | >120,000 | >120,000 | >120,000 | 6 |
| TLC-BT-575 | LED 5700K - 75 CRI | 575W | 52,000 | >120,000 | >120,000 | >120,000 | 12 |
| TLC-LED-1500 | LED 5700K - 75 CRI | 1410W | 181,000 | >120,000 | >120,000 | >120,000 | 12 |
| TLC-LED-550 | LED 5700K - 75 CRI | 540W | 67,000 | >120,000 | >120,000 | >120,000 | 16 |

| Single Luminaire Amperage Draw Chart | | | | | | | |
|--------------------------------------|---------------------------------|----------|----------|----------|----------|----------|----------|
| Driver (.90 min power factor) | Max Line Amperage Per Luminaire | | | | | | |
| | 208 (60) | 220 (60) | 240 (60) | 277 (60) | 347 (60) | 380 (60) | 480 (60) |
| TLC-LED-1200 | 6.9 | 6.5 | 6.0 | 5.2 | 4.2 | 3.8 | 3.0 |
| TLC-LED-900 | 5.2 | 4.9 | 4.5 | 3.9 | 3.1 | 2.9 | 2.3 |
| TLC-BT-575 | 3.4 | 3.2 | 2.9 | 2.5 | 2.0 | 1.8 | 1.5 |
| TLC-LED-1500 | 8.4 | 7.9 | 7.3 | 6.3 | 5.0 | 4.6 | 3.6 |
| TLC-LED-550 | 3.2 | 3.0 | 2.8 | 2.4 | 1.9 | 1.8 | 1.4 |

ENGINEERED DESIGN By: Aaron Rose · File #228314A · 22-Jun-23

From Hometown to Professional



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PROJECT SUMMARY



CITY OF SACRAMENTO
DEPT. OF PARKS & RECREATION
PARK PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 3RD FLOOR, SACRAMENTO, CA 95814

**RENFREE FIELD RENOVATION
DEL PASO REGIONAL PARK**
MUSCO FIELD AND COURT PHASE 2 LIGHTING DESIGN

DESIGN BY:
Stantec
DATE 05.01.2023
SCALE AS NOTED
P. N. L19-3000-02
REVISIONS

PRELIMINARY
NOT FOR CONSTRUCTION

SHEET NO.
E801 of XX
1

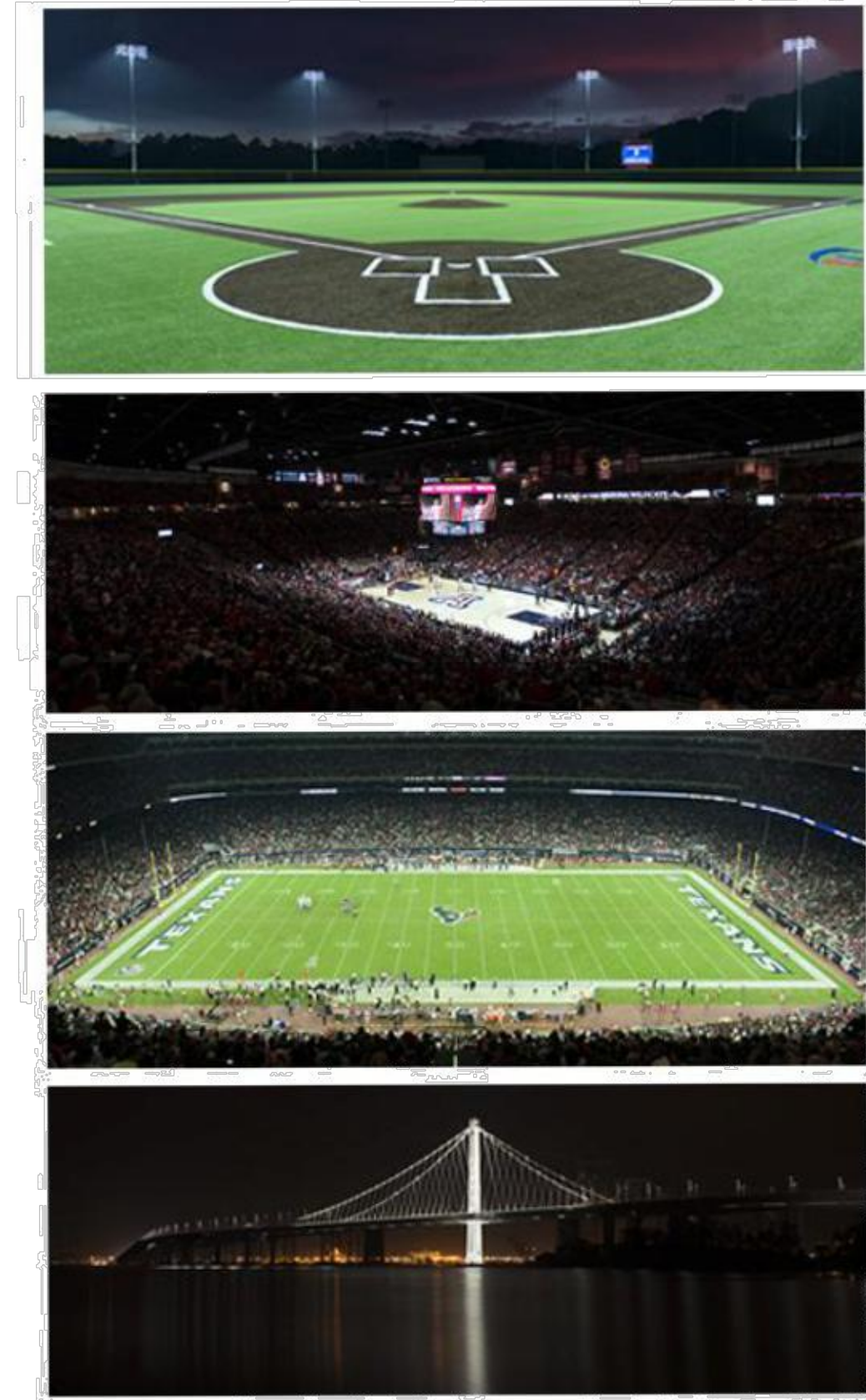
RENFREE FIELD RENOVATION DEL PASO REGIONAL PARK (L19300002)

Del Paso Park
Sacramento, CA

Light Level Summary

| Calculation Grid Summary | | | | | | | | |
|--------------------------|---------------------------------|--------------|------|------|---------|---------|-----------|-------------|
| Grid Name | Calculation Metric | Illumination | | | | | Circuits | Fixture Qty |
| | | Ave | Min | Max | Max/Min | Ave/Min | | |
| 150' Spill | Horizontal | 0.04 | 0 | 0.15 | 0.00 | | A,B,C,D,E | 72 |
| 150' Spill | Max Candela (by Fixture) | 2613 | 15.9 | 8372 | 527.60 | 164.66 | A,B,C,D,E | 72 |
| 150' Spill | Max Vertical Illuminance Metric | 0.09 | 0 | 0.34 | 1282.56 | | A,B,C,D,E | 72 |
| Baseball (Infield) | Horizontal Illuminance | 51.2 | 42 | 58 | 1.38 | 1.22 | A,C | 48 |
| Baseball (Outfield) | Horizontal Illuminance | 30.5 | 23 | 40 | 1.75 | 1.32 | A,C | 48 |
| Basketball | Horizontal Illuminance | 36.2 | 26 | 41 | 1.58 | 1.39 | D | 4 |
| Pickleball 1-4 | Horizontal Illuminance | 46 | 34 | 57 | 1.69 | 1.35 | E | 12 |
| Soccer | Horizontal Illuminance | 31.3 | 25 | 39 | 1.58 | 1.25 | C,A,B | 56 |
| Softball (Infield) | Horizontal Illuminance | 52.1 | 40 | 58 | 1.48 | 1.30 | C,B | 28 |
| Softball (Outfield) | Horizontal Illuminance | 31 | 20 | 44 | 2.15 | 1.55 | C,B | 28 |

From Hometown to Professional



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ENGINEERED DESIGN By: Aaron Rose · File #228314A · 22-Jun-23

PROJECT SUMMARY



Know what's below.
Call before you dig.

CITY OF SACRAMENTO
DEPT. OF PARKS & RECREATION
PARK PLANNING & DEVELOPMENT SERVICES
LANDSCAPE ARCHITECTURE SECTION
915 I STREET, 3RD FLOOR, SACRAMENTO, CA 95814

RENFREE FIELD RENOVATION
DEL PASO REGIONAL PARK
MUSCO FIELD AND COURT PHASE 2 LIGHTING DESIGN

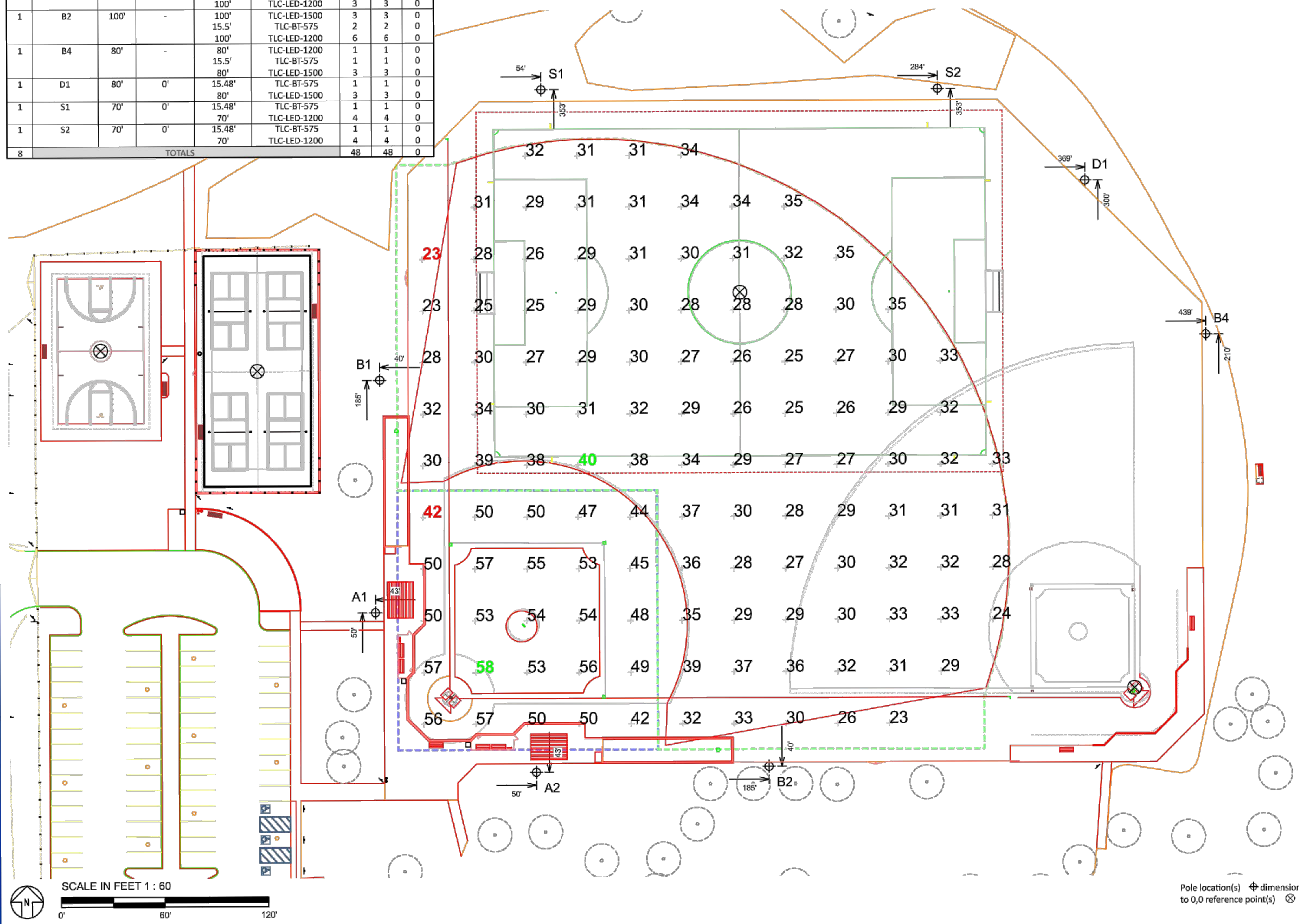
DESIGN BY: Stantec
DATE 05.01.2023
SCALE AS NOTED
P. N. L19-3000-02
REVISIONS

PRELIMINARY
NOT FOR CONSTRUCTION

SHEET NO.
E802 of XX
1

RENFREE FIELD RENOVATION DEL PASO REGIONAL PARK (L19300002)

| EQUIPMENT LIST FOR AREAS SHOWN | | | | | | | | | |
|--------------------------------|----------|------|-----------------|-----------------|----------------|------------|-----------|-------------|--|
| Pole | | | | Luminaires | | | | | |
| QTY | LOCATION | SIZE | GRADE ELEVATION | MOUNTING HEIGHT | LUMINAIRE TYPE | QTY / POLE | THIS GRID | OTHER GRIDS | |
| 2 | A1-A2 | 70' | - | 70' | TLC-LED-900 | 1 | 1 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-1200 | 3 | 3 | 0 | |
| 1 | B1 | 100' | - | 100' | TLC-LED-1500 | 3 | 3 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 2 | 2 | 0 | |
| | | | | 100' | TLC-LED-1200 | 3 | 3 | 0 | |
| 1 | B2 | 100' | - | 100' | TLC-LED-1500 | 3 | 3 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 2 | 2 | 0 | |
| | | | | 100' | TLC-LED-1200 | 6 | 6 | 0 | |
| 1 | B4 | 80' | - | 80' | TLC-LED-1200 | 1 | 1 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 80' | TLC-LED-1500 | 3 | 3 | 0 | |
| 1 | D1 | 80' | 0' | 15.48' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 80' | TLC-LED-1500 | 3 | 3 | 0 | |
| | | | | 15.48' | TLC-BT-575 | 1 | 1 | 0 | |
| 1 | S1 | 70' | 0' | 15.48' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-1200 | 4 | 4 | 0 | |
| | | | | 15.48' | TLC-BT-575 | 1 | 1 | 0 | |
| 1 | S2 | 70' | 0' | 15.48' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-1200 | 4 | 4 | 0 | |
| | | | | 15.48' | TLC-BT-575 | 1 | 1 | 0 | |
| 8 | TOTALS | | | 70' | TLC-LED-1200 | 48 | 48 | 0 | |



Del Paso Park

Sacramento, CA

| GRID SUMMARY | | |
|--------------|-------------------------------|--|
| Name: | Baseball | |
| Size: | 310'/360'/310' - basepath 90' | |
| Spacing: | 30.0' x 30.0' | |
| Height: | 3.0' above grade | |

| ILLUMINATION SUMMARY | | |
|-----------------------------------|---------|----------|
| MAINTAINED HORIZONTAL FOOTCANDLES | | |
| | Infield | Outfield |
| Guaranteed Average: | 50 | 30 |
| Scan Average: | 51.23 | 30.47 |
| Maximum: | 58 | 40 |
| Minimum: | 42 | 23 |
| Avg / Min: | 1.22 | 1.35 |
| Guaranteed Max / Min: | 2 | 2.5 |
| Max / Min: | 1.38 | 1.75 |
| UG (adjacent pts): | 1.19 | 1.39 |
| CU: | 0.59 | |
| No. of Points: | 25 | 96 |

| LUMINAIRE INFORMATION | | |
|-----------------------|----------|--|
| Applied Circuits: | A, C | |
| No. of Luminaires: | 48 | |
| Total Load: | 52.51 kW | |

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



ENGINEERED DESIGN By: Aaron Rose · File #228314A · 22-Jun-23

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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ILLUMINATION SUMMARY



| EQUIPMENT LIST FOR AREAS SHOWN | | | | | | | | | |
|--------------------------------|----------|------|-----------------|-----------------|----------------|------------|-----------|-------------|--|
| Pole | | | | Luminaires | | | | | |
| QTY | LOCATION | SIZE | GRADE ELEVATION | MOUNTING HEIGHT | LUMINAIRE TYPE | QTY / POLE | THIS GRID | OTHER GRIDS | |
| 2 | A1-A2 | 70' | 0' | 70' | TLC-LED-900 | 1 | 1 | 0 | |
| | | | | 15.52' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-1200 | 3 | 3 | 0 | |
| 2 | A3-A4 | 70' | 0' | 70' | TLC-LED-1200 | 1 | 1 | 0 | |
| | | | | 15.52' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-900 | 2 | 2 | 0 | |
| 1 | B1 | 100' | 0' | 100' | TLC-LED-1500 | 3 | 3 | 0 | |
| | | | | 15.52' | TLC-BT-575 | 2 | 2 | 0 | |
| | | | | 100' | TLC-LED-1200 | 3 | 3 | 0 | |
| 1 | B2 | 100' | 0' | 100' | TLC-LED-1500 | 3 | 3 | 0 | |
| | | | | 15.52' | TLC-BT-575 | 2 | 2 | 0 | |
| | | | | 100' | TLC-LED-1200 | 6 | 6 | 0 | |
| 1 | B4 | 80' | 0' | 80' | TLC-LED-1200 | 1 | 1 | 0 | |
| | | | | 15.52' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 80' | TLC-LED-1500 | 3 | 3 | 0 | |
| 1 | D1 | 80' | 0' | 15.5' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 80' | TLC-LED-1500 | 3 | 3 | 0 | |
| | | | | 80' | TLC-LED-1500 | 3 | 3 | 0 | |
| 1 | S1 | 70' | - | 15.5' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-1200 | 4 | 4 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 1 | 1 | 0 | |
| 1 | S2 | 70' | - | 15.5' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-1200 | 4 | 4 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 1 | 1 | 0 | |
| 10 | TOTALS | | | | | 56 | 56 | 0 | |

Del Paso Park
Sacramento, CA

GRID SUMMARY

Name: Soccer
Size: 285' x 190'
Spacing: 30.0' x 30.0'
Height: 3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

Entire Grid

Guaranteed Average: 30

Scan Average: 31.26

Maximum: 39

Minimum: 25

Avg / Min: 1.26

Guaranteed Max / Min: 2.5

Max / Min: 1.58

UG (adjacent pts): 1.24

CU: 0.24

No. of Points: 63

LUMINAIRE INFORMATION

Applied Circuits: A, B, C

No. of Luminaires: 56

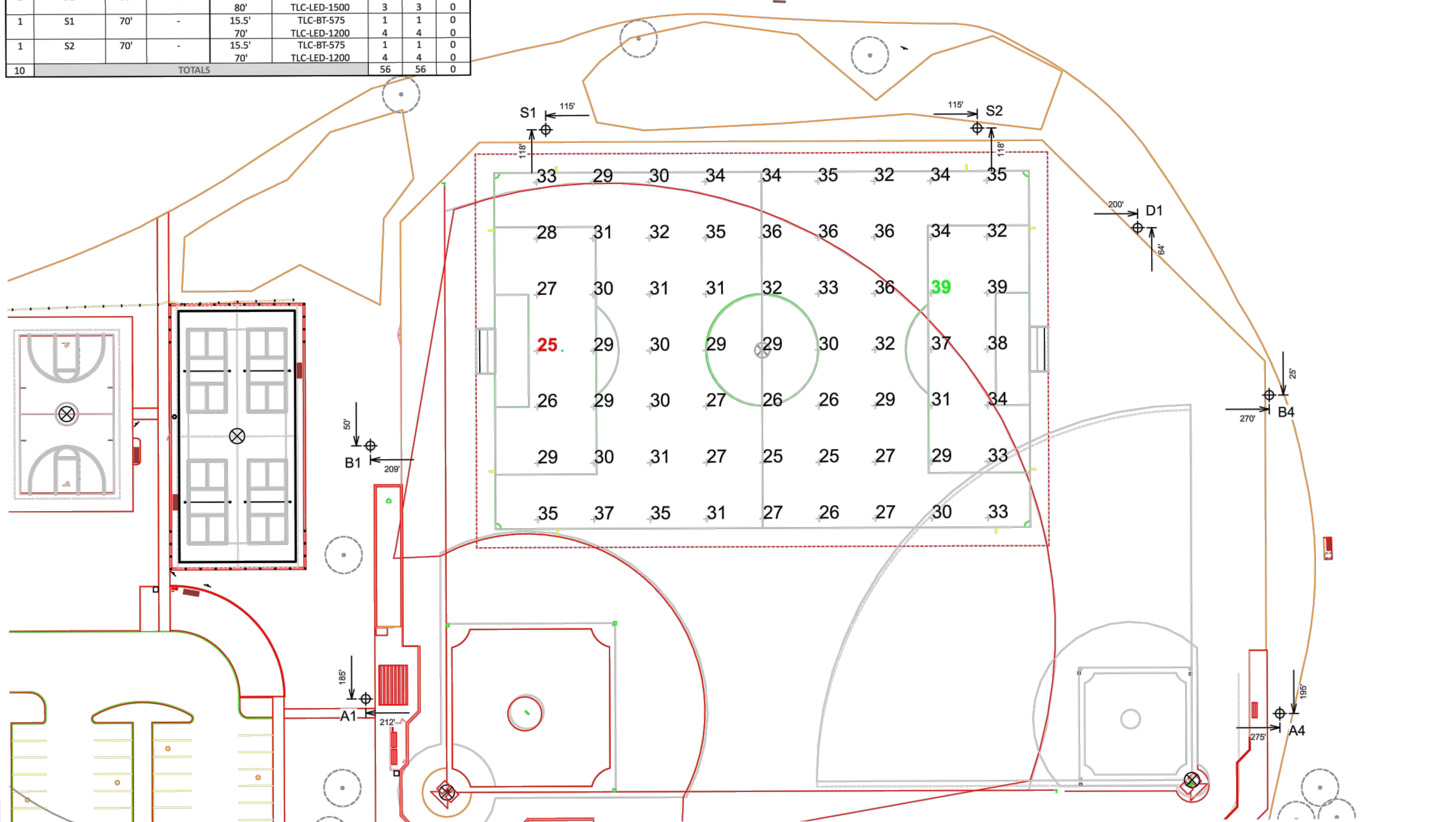
Total Load: 59.52 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Pole location(s) Ⓢ dimensions are relative to 0,0 reference point(s) ⊗



ENGINEERED DESIGN By: Aaron Rose · File #228314A · 22-Jun-23

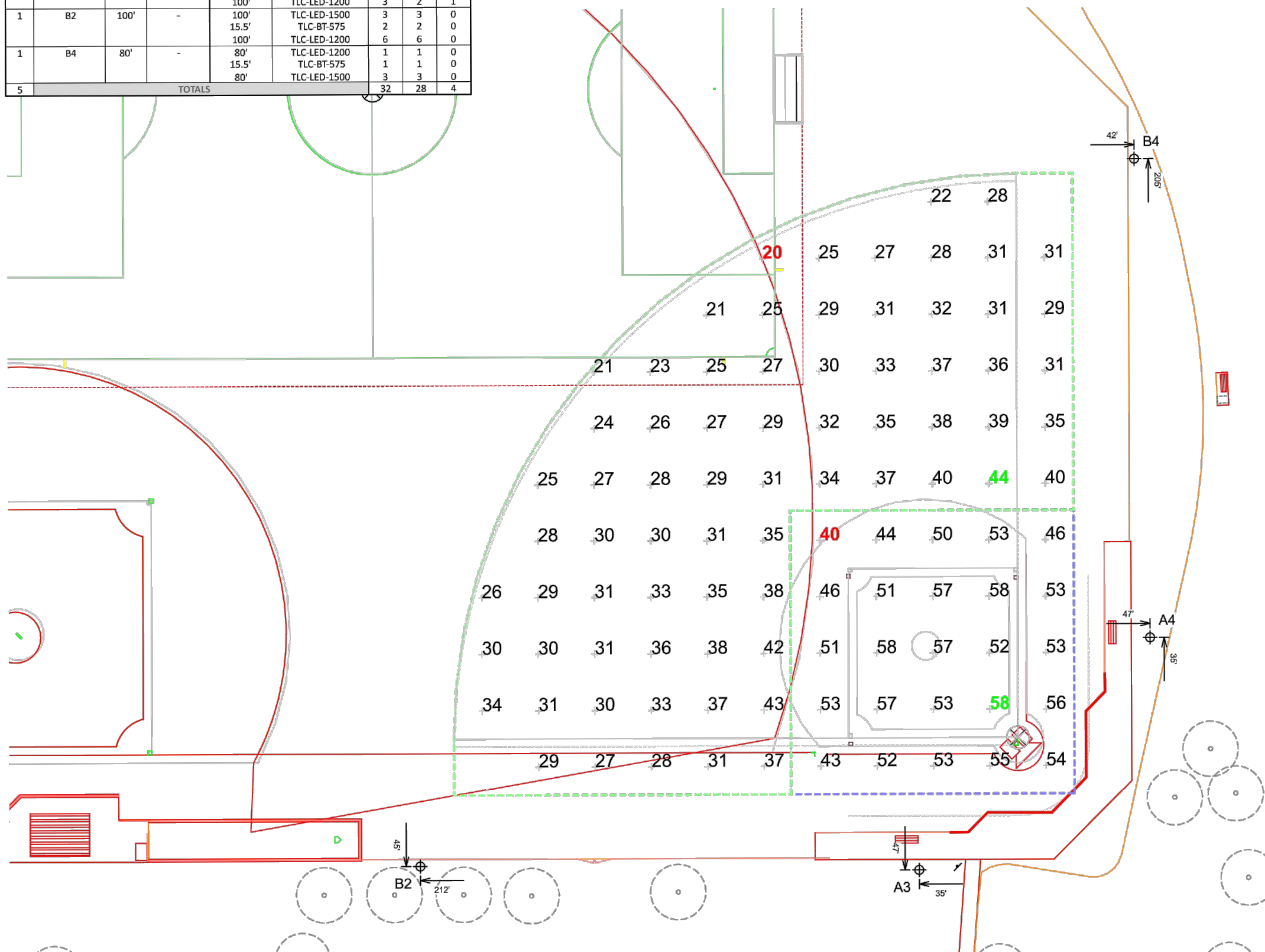


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ILLUMINATION SUMMARY



| EQUIPMENT LIST FOR AREAS SHOWN | | | | | | | | | |
|--------------------------------|----------|------|-----------------|-----------------|----------------|------------|-----------|-------------|--|
| Pole | | | | Luminaires | | | | | |
| QTY | LOCATION | SIZE | GRADE ELEVATION | MOUNTING HEIGHT | LUMINAIRE TYPE | QTY / POLE | THIS GRID | OTHER GRIDS | |
| 2 | A3-A4 | 70' | - | 70' | TLC-LED-1200 | 1 | 1 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-900 | 2 | 2 | 0 | |
| 1 | B1 | 100' | - | 100' | TLC-LED-1500 | 3 | 1 | 2 | |
| | | | | 15.5' | TLC-BT-575 | 2 | 1 | 1 | |
| | | | | 100' | TLC-LED-1200 | 3 | 2 | 1 | |
| | | | | 100' | TLC-LED-1500 | 3 | 3 | 0 | |
| 1 | B2 | 100' | - | 100' | TLC-LED-1500 | 3 | 3 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 2 | 2 | 0 | |
| | | | | 100' | TLC-LED-1200 | 6 | 6 | 0 | |
| | | | | 80' | TLC-LED-1200 | 1 | 1 | 0 | |
| 1 | B4 | 80' | - | 80' | TLC-LED-1200 | 1 | 1 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 80' | TLC-LED-1500 | 3 | 3 | 0 | |
| 5 | TOTALS | | | | | 32 | 28 | 4 | |



ENGINEERED DESIGN By: Aaron Rose · File #228314A · 22-Jun-23

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Del Paso Park Sacramento, CA

| GRID SUMMARY | |
|--------------|-------------------------------|
| Name: | Softball |
| Size: | 200'/200'/200' - basepath 60' |
| Spacing: | 20.0' x 20.0' |
| Height: | 3.0' above grade |

| ILLUMINATION SUMMARY | | |
|-----------------------------------|---------|----------|
| MAINTAINED HORIZONTAL FOOTCANDLES | | |
| | Infield | Outfield |
| Guaranteed Average: | 50 | 30 |
| Scan Average: | 52.12 | 31.00 |
| Maximum: | 58 | 44 |
| Minimum: | 40 | 20 |
| Avg / Min: | 1.32 | 1.53 |
| Guaranteed Max / Min: | 2 | 2.5 |
| Max / Min: | 1.48 | 2.15 |
| UG (adjacent pts): | 1.22 | 1.29 |
| CU: | 0.39 | |
| No. of Points: | 25 | 71 |

| LUMINAIRE INFORMATION | |
|-----------------------|----------|
| Applied Circuits: | B, C |
| No. of Luminaires: | 28 |
| Total Load: | 29.71 kW |

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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ILLUMINATION SUMMARY



| EQUIPMENT LIST FOR AREAS SHOWN | | | | | | | |
|--------------------------------|----------|------|-----------------|-----------------|----------------|------------|-----------|
| Pole | | | | Luminaires | | | |
| QTY | LOCATION | SIZE | GRADE ELEVATION | MOUNTING HEIGHT | LUMINAIRE TYPE | QTY / POLE | THIS GRID |
| 2 | BA1, BA2 | 40' | - | 40' | TLC-LED-550 | 2 | 2 |
| 2 | | | | | | 4 | 4 |
| TOTALS | | | | | | 4 | 0 |

Del Paso Park Sacramento, CA

| GRID SUMMARY | |
|--------------|------------------|
| Name: | Basketball |
| Size: | 85' x 50' |
| Spacing: | 10.0' x 10.0' |
| Height: | 3.0' above grade |

| ILLUMINATION SUMMARY | |
|-----------------------------------|-------------|
| MAINTAINED HORIZONTAL FOOTCANDLES | |
| | Entire Grid |
| Guaranteed Average: | 30 |
| Scan Average: | 36.21 |
| Maximum: | 41 |
| Minimum: | 26 |
| Avg / Min: | 1.39 |
| Guaranteed Max / Min: | 3 |
| Max / Min: | 1.58 |
| UG (adjacent pts): | 1.34 |
| CU: | 0.55 |
| No. of Points: | 40 |

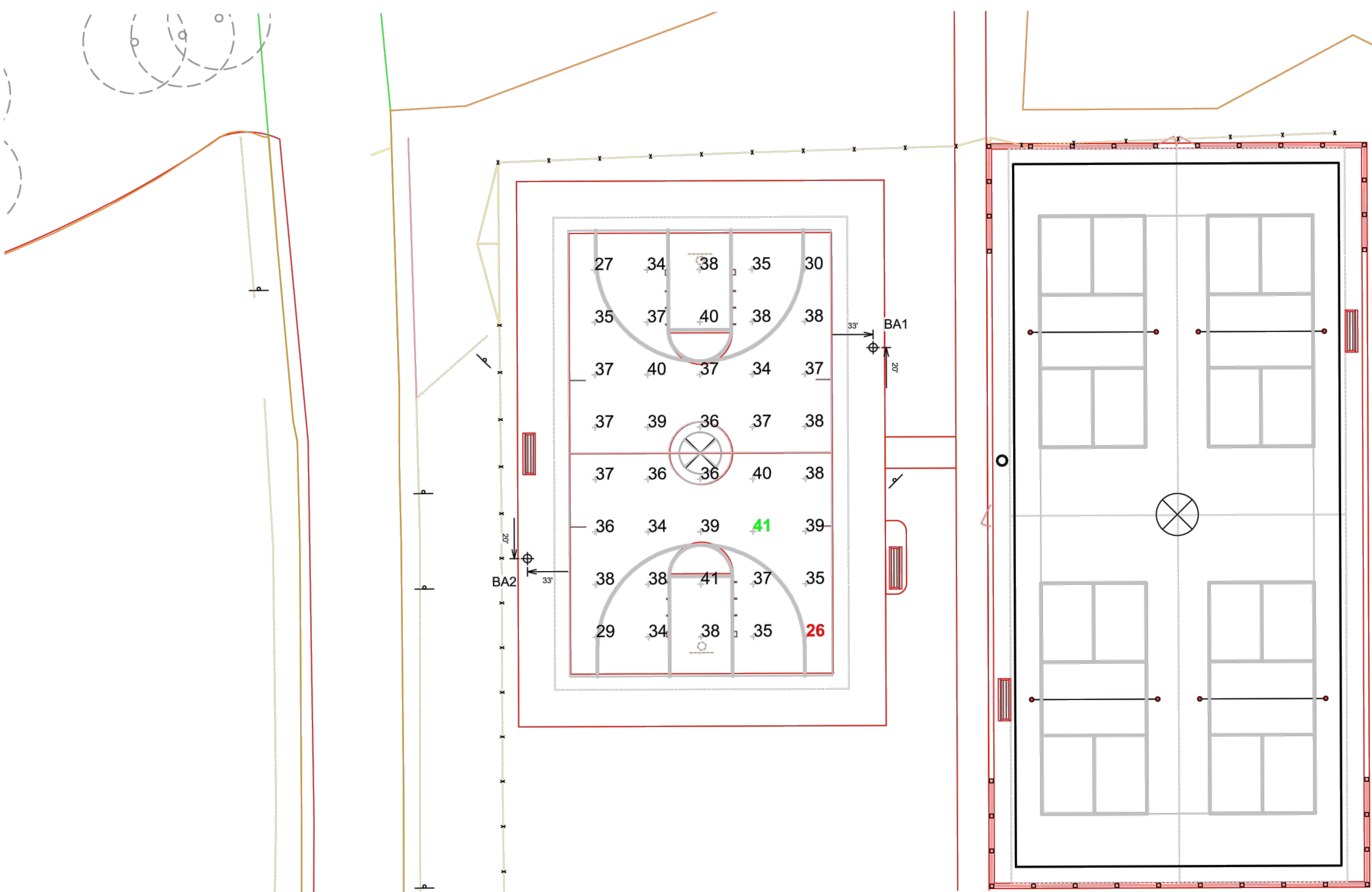
| LUMINAIRE INFORMATION | |
|-----------------------|---------|
| Applied Circuits: | D |
| No. of Luminaires: | 4 |
| Total Load: | 2.16 kW |

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



SCALE IN FEET 1 : 20

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ILLUMINATION SUMMARY



Know what's below.
Call before you dig.

| EQUIPMENT LIST FOR AREAS SHOWN | | | | | | | |
|--------------------------------|----------------------|------|-----------------|-----------------|----------------|------------|-----------|
| Pole | | | | Luminaires | | | |
| QTY | LOCATION | SIZE | GRADE ELEVATION | MOUNTING HEIGHT | LUMINAIRE TYPE | QTY / POLE | THIS GRID |
| 4 | PB1, PB2 PB3, PB4 | 50' | - | 50' | TLC-LED-550 | 3 | 3 |
| 4 | TOTALS | | | | | 12 | 12 |

Del Paso Park Sacramento, CA

| GRID SUMMARY | |
|--------------|------------------|
| Name: | Pickleball 1-4 |
| Size: | 62' x 134' |
| Spacing: | 10.0' x 10.0' |
| Height: | 3.0' above grade |

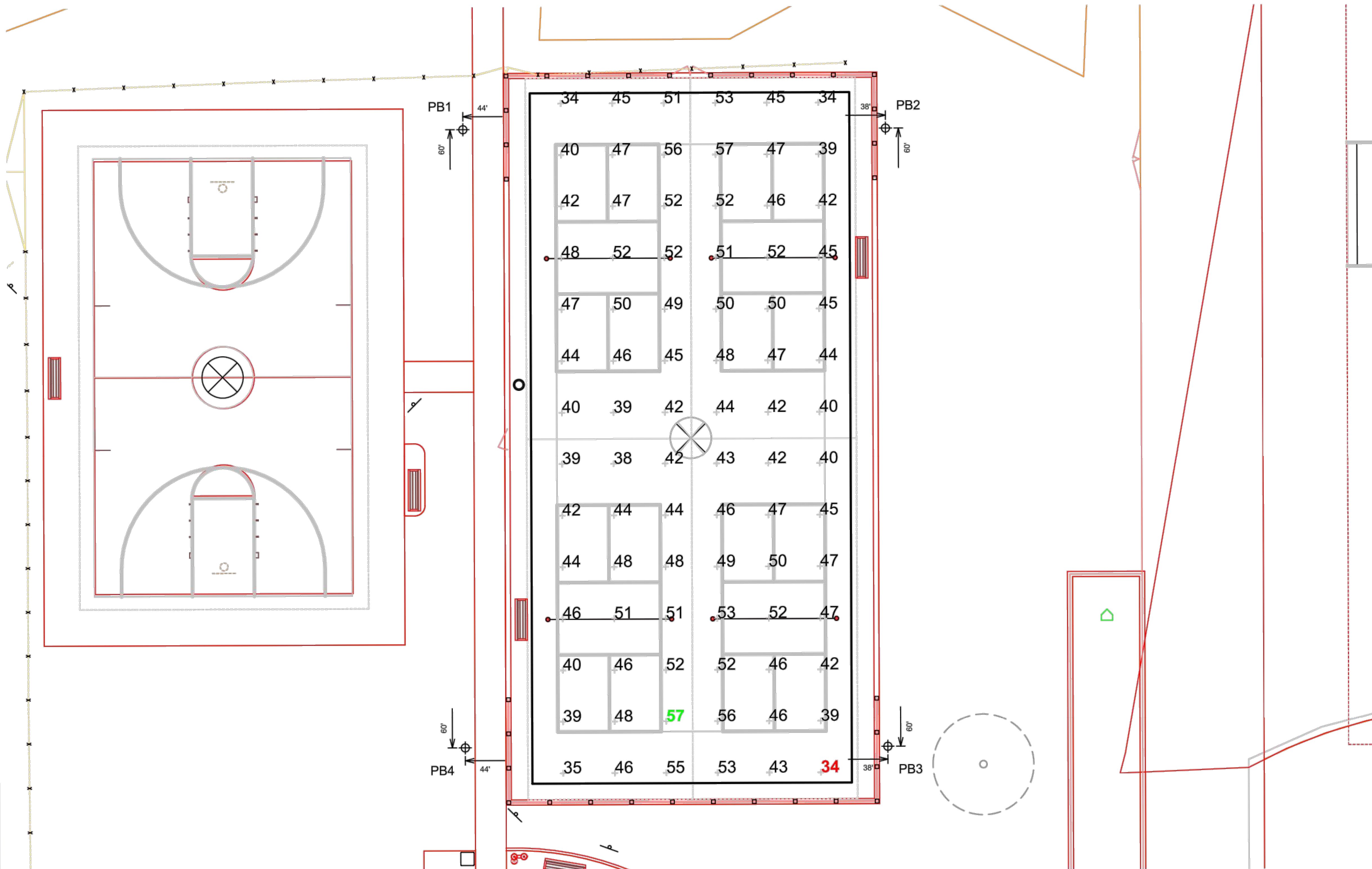
| ILLUMINATION SUMMARY | |
|-----------------------------------|---------|
| MAINTAINED HORIZONTAL FOOTCANDLES | |
| Entire Grid | |
| Guaranteed Average: | 40 |
| Scan Average: | 46.02 |
| Maximum: | 57 |
| Minimum: | 34 |
| Avg / Min: | 1.37 |
| Guaranteed Max / Min: | 2.5 |
| Max / Min: | 1.69 |
| UG (adjacent pts): | 1.33 |
| CU: | 0.51 |
| No. of Points: | 84 |
| LUMINAIRE INFORMATION | |
| Applied Circuits: | E |
| No. of Luminaires: | 12 |
| Total Load: | 6.48 kW |

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



SCALE IN FEET 1 : 20

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ILLUMINATION SUMMARY



| EQUIPMENT LIST FOR AREAS SHOWN | | | | | | | | | |
|--------------------------------|----------------------|------|-----------------|-----------------|----------------|------------|-----------|-------------|--|
| Pole | | | | Luminaires | | | | | |
| QTY | LOCATION | SIZE | GRADE ELEVATION | MOUNTING HEIGHT | LUMINAIRE TYPE | QTY / POLE | THIS GRID | OTHER GRIDS | |
| 2 | A1-A2 | 70' | - | 70' | TLC-LED-900 | 1 | 1 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-1200 | 3 | 3 | 0 | |
| 2 | A3-A4 | 70' | - | 70' | TLC-LED-1200 | 1 | 1 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-900 | 2 | 2 | 0 | |
| 2 | BA1, BA2 | 40' | - | 40' | TLC-LED-550 | 2 | 2 | 0 | |
| | | | | 100' | TLC-LED-1500 | 3 | 3 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 2 | 2 | 0 | |
| 1 | B1 | 100' | - | 100' | TLC-LED-1200 | 3 | 3 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 2 | 2 | 0 | |
| | | | | 100' | TLC-LED-1200 | 3 | 3 | 0 | |
| 1 | B2 | 100' | - | 100' | TLC-LED-1500 | 3 | 3 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 2 | 2 | 0 | |
| | | | | 100' | TLC-LED-1200 | 6 | 6 | 0 | |
| 1 | B4 | 80' | - | 80' | TLC-LED-1200 | 1 | 1 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 80' | TLC-LED-1500 | 3 | 3 | 0 | |
| 1 | D1 | 80' | 0' | 15.48' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 80' | TLC-LED-1500 | 3 | 3 | 0 | |
| | | | | 80' | TLC-LED-550 | 3 | 3 | 0 | |
| 4 | PB1, PB2 PB3, PB4 | 50' | - | 50' | TLC-LED-550 | 3 | 3 | 0 | |
| | | | | 15.48' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-1200 | 4 | 4 | 0 | |
| 1 | S1 | 70' | 0' | 15.48' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-1200 | 4 | 4 | 0 | |
| | | | | 70' | TLC-BT-575 | 1 | 1 | 0 | |
| 1 | S2 | 70' | 0' | 15.48' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-1200 | 4 | 4 | 0 | |
| | | | | 70' | TLC-BT-575 | 1 | 1 | 0 | |
| 16 | TOTALS | | | | | 72 | 72 | 0 | |

Del Paso Park Sacramento, CA

| GRID SUMMARY | |
|--------------|------------------|
| Name: | 150' Spill |
| Spacing: | 30.0' |
| Height: | 3.0' above grade |

| ILLUMINATION SUMMARY | |
|------------------------|-----------------------|
| HORIZONTAL FOOTCANDLES | |
| Scan Average: | Entire Grid 0.0402 |
| Maximum: | 0.15 |
| Minimum: | 0.00 |
| No. of Points: | 89 |

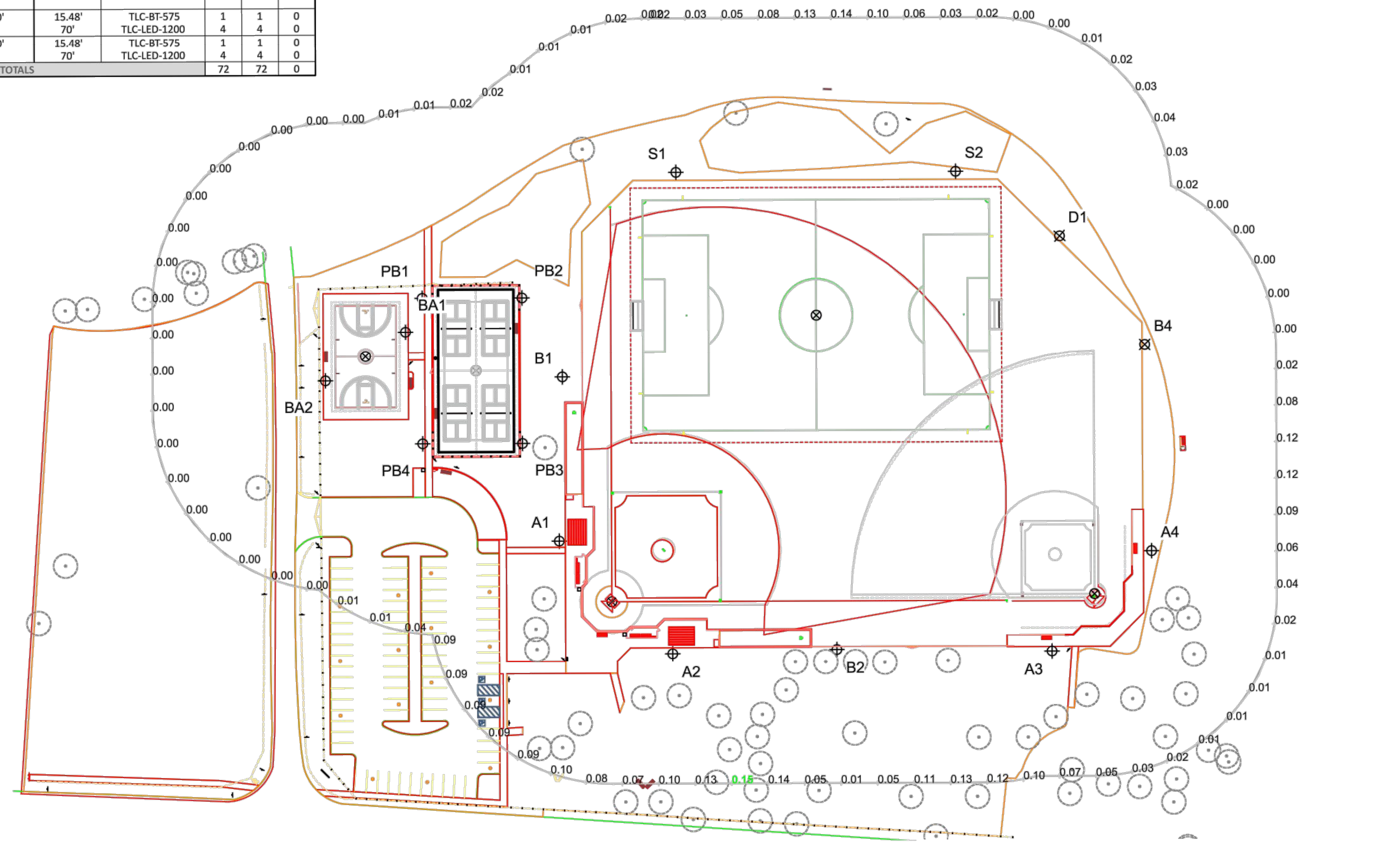
| LUMINAIRE INFORMATION | |
|-----------------------|---------------|
| Applied Circuits: | A, B, C, D, E |
| No. of Luminaires: | 72 |
| Total Load: | 68.16 kW |

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



SCALE IN FEET 1 : 100
0' 100' 200'

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ILLUMINATION SUMMARY



| EQUIPMENT LIST FOR AREAS SHOWN | | | | | | | | | |
|--------------------------------|----------------------|------|-----------------|-----------------|----------------|----------|-----------|-------------|--|
| Pole | | | Luminaires | | | | | | |
| QTY | LOCATION | SIZE | GRADE ELEVATION | MOUNTING HEIGHT | LUMINAIRE TYPE | QTY/POLE | THIS GRID | OTHER GRIDS | |
| 2 | A1-A2 | 70' | - | 70' | TLC-LED-900 | 1 | 1 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-1200 | 3 | 3 | 0 | |
| 2 | A3-A4 | 70' | - | 70' | TLC-LED-1200 | 1 | 1 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-900 | 2 | 2 | 0 | |
| 2 | BA1, BA2 | 40' | - | 40' | TLC-LED-550 | 2 | 2 | 0 | |
| | | | | 100' | TLC-LED-1500 | 3 | 3 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 2 | 2 | 0 | |
| 1 | B1 | 100' | - | 100' | TLC-LED-1200 | 3 | 3 | 0 | |
| | | | | 100' | TLC-LED-1500 | 3 | 3 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 2 | 2 | 0 | |
| 1 | B2 | 100' | - | 100' | TLC-LED-1500 | 3 | 3 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 2 | 2 | 0 | |
| | | | | 100' | TLC-LED-1200 | 6 | 6 | 0 | |
| 1 | B4 | 80' | - | 80' | TLC-LED-1200 | 1 | 1 | 0 | |
| | | | | 15.5' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 80' | TLC-LED-1500 | 3 | 3 | 0 | |
| 1 | D1 | 80' | 0' | 15.48' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 80' | TLC-LED-1500 | 3 | 3 | 0 | |
| 4 | PB1, PB2 PB3, PB4 | 50' | - | 50' | TLC-LED-550 | 3 | 3 | 0 | |
| | | | | | | | | | |
| 1 | S1 | 70' | 0' | 15.48' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-1200 | 4 | 4 | 0 | |
| 1 | S2 | 70' | 0' | 15.48' | TLC-BT-575 | 1 | 1 | 0 | |
| | | | | 70' | TLC-LED-1200 | 4 | 4 | 0 | |
| 16 | TOTALS | | | | | 72 | 72 | 0 | |

Del Paso Park

Sacramento, CA

| GRID SUMMARY | |
|--------------|------------------|
| Name: | 150' Spill |
| Spacing: | 30.0' |
| Height: | 3.0' above grade |

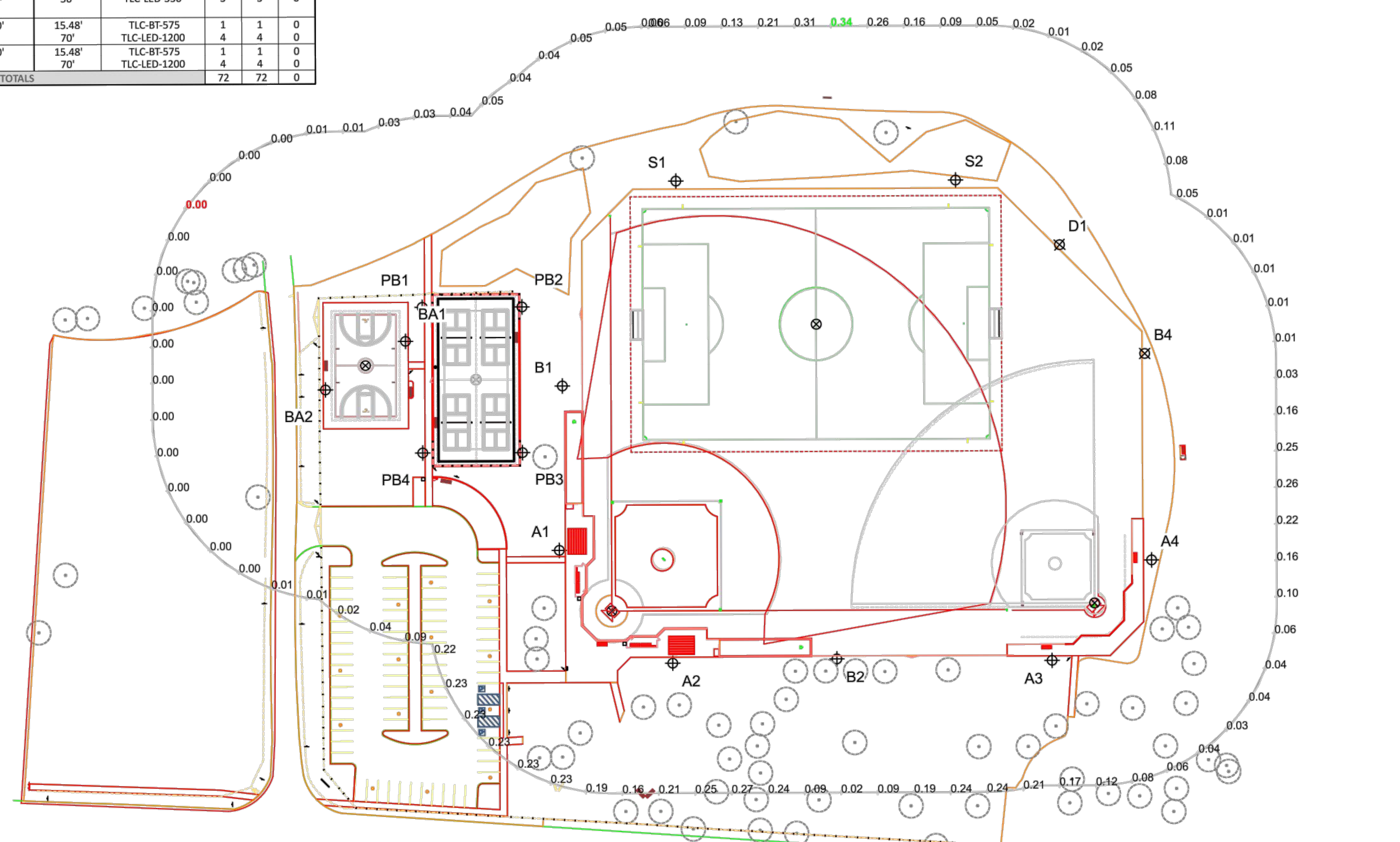
| ILLUMINATION SUMMARY | |
|--------------------------|---------------|
| MAX VERTICAL FOOTCANDLES | |
| Entire Grid | |
| Scan Average: | 0.0938 |
| Maximum: | 0.34 |
| Minimum: | 0.00 |
| No. of Points: | 89 |
| LUMINAIRE INFORMATION | |
| Applied Circuits: | A, B, C, D, E |
| No. of Luminaires: | 72 |
| Total Load: | 68.16 kW |

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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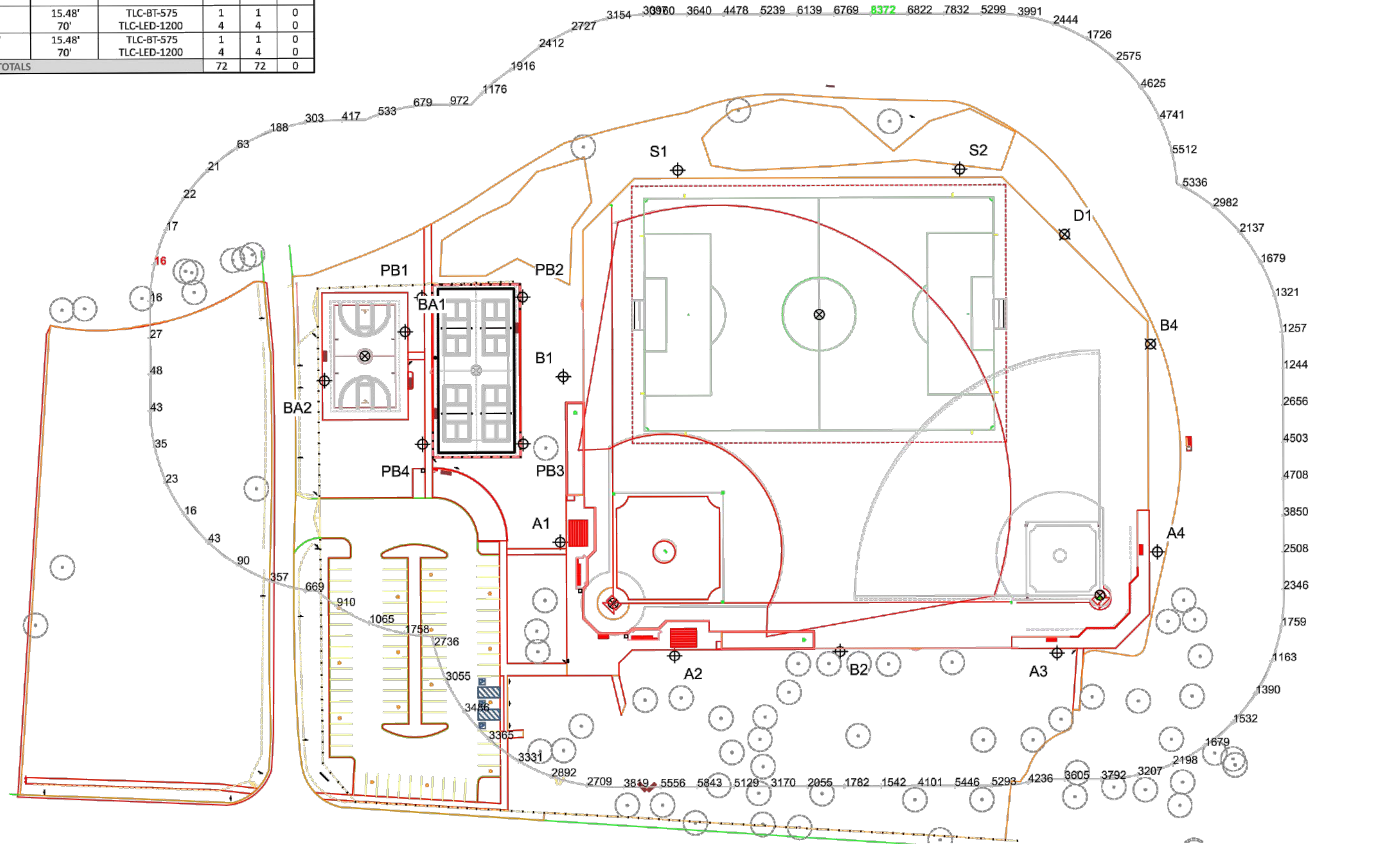


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ILLUMINATION SUMMARY



| EQUIPMENT LIST FOR AREAS SHOWN | | | | | | | | |
|--------------------------------|--------------------|------|-----------------|-----------------|----------------|------------|-----------|-------------|
| Pole | | | | Luminaires | | | | |
| QTY | LOCATION | SIZE | GRADE ELEVATION | MOUNTING HEIGHT | LUMINAIRE TYPE | QTY / POLE | THIS GRID | OTHER GRIDS |
| 2 | A1-A2 | 70' | - | 70' | TLC-LED-900 | 1 | 1 | 0 |
| | | | | 15.5' | TLC-BT-575 | 1 | 1 | 0 |
| | | | | 70' | TLC-LED-1200 | 3 | 3 | 0 |
| 2 | A3-A4 | 70' | - | 70' | TLC-LED-1200 | 1 | 1 | 0 |
| | | | | 15.5' | TLC-BT-575 | 1 | 1 | 0 |
| | | | | 70' | TLC-LED-900 | 2 | 2 | 0 |
| 2 | BA1, BA2 | 40' | - | 40' | TLC-LED-550 | 2 | 2 | 0 |
| | | | | 100' | TLC-LED-1500 | 3 | 3 | 0 |
| | | | | 15.5' | TLC-BT-575 | 2 | 2 | 0 |
| 1 | B1 | 100' | - | 100' | TLC-LED-1200 | 3 | 3 | 0 |
| | | | | 15.5' | TLC-BT-575 | 2 | 2 | 0 |
| | | | | 100' | TLC-LED-1200 | 3 | 3 | 0 |
| 1 | B2 | 100' | - | 100' | TLC-LED-1500 | 3 | 3 | 0 |
| | | | | 15.5' | TLC-BT-575 | 2 | 2 | 0 |
| | | | | 100' | TLC-LED-1200 | 6 | 6 | 0 |
| 1 | B4 | 80' | - | 80' | TLC-LED-1200 | 1 | 1 | 0 |
| | | | | 15.5' | TLC-BT-575 | 1 | 1 | 0 |
| | | | | 80' | TLC-LED-1500 | 3 | 3 | 0 |
| 1 | D1 | 80' | 0' | 15.48' | TLC-BT-575 | 1 | 1 | 0 |
| | | | | 80' | TLC-LED-1500 | 3 | 3 | 0 |
| 4 | PB1, PB2, PB3, PB4 | 50' | - | 50' | TLC-LED-550 | 3 | 3 | 0 |
| 1 | S1 | 70' | 0' | 15.48' | TLC-BT-575 | 1 | 1 | 0 |
| | | | | 70' | TLC-LED-1200 | 4 | 4 | 0 |
| 1 | S2 | 70' | 0' | 15.48' | TLC-BT-575 | 1 | 1 | 0 |
| | | | | 70' | TLC-LED-1200 | 4 | 4 | 0 |
| 16 | TOTALS | | | | | 72 | 72 | 0 |



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

SCALE IN FEET 1 : 100
 0' 100' 200'
ENGINEERED DESIGN By: Aaron Rose · File #228314A · 22-Jun-23

Del Paso Park Sacramento, CA

| GRID SUMMARY | |
|--------------|------------------|
| Name: | 150' Spill |
| Spacing: | 30.0' |
| Height: | 3.0' above grade |

| ILLUMINATION SUMMARY | |
|-----------------------|---------------|
| CANDELA (PER FIXTURE) | |
| Scan Average: | 2613.1909 |
| Maximum: | 8372.00 |
| Minimum: | 15.87 |
| No. of Points: | 89 |
| LUMINAIRE INFORMATION | |
| Applied Circuits: | A, B, C, D, E |
| No. of Luminaires: | 72 |
| Total Load: | 68.16 kW |

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

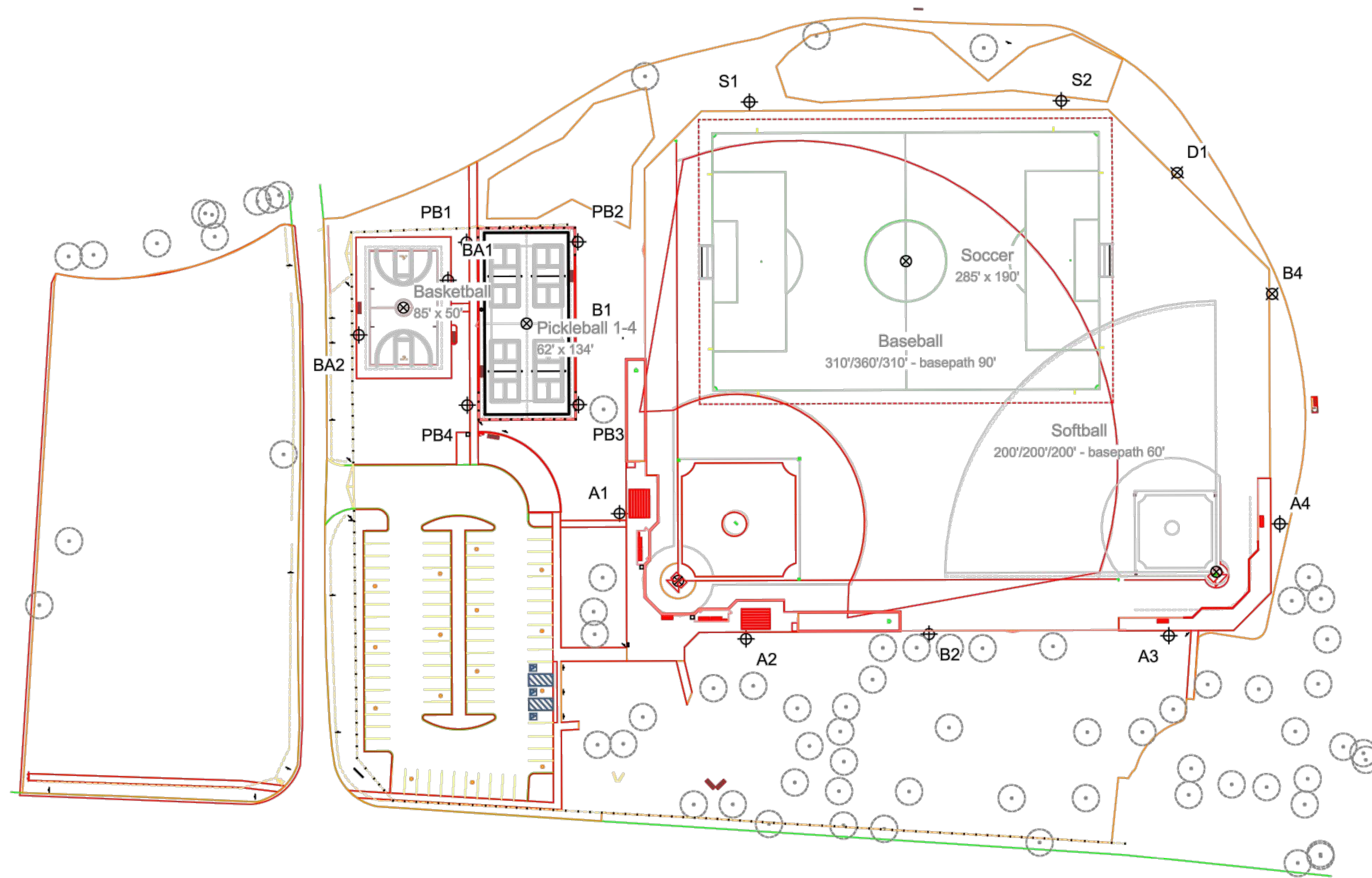


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ILLUMINATION SUMMARY



RENFREE FIELD RENOVATION DEL PASO REGIONAL PARK (L19300002)



Del Paso Park

Sacramento, CA

EQUIPMENT LAYOUT

INCLUDES:

- Baseball
- Basketball
- Pickleball 1-4
- Soccer
- Softball

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

| QTY | LOCATION | Pole | | Luminaires | | |
|-----|--------------------|------|-----------------|-----------------|----------------|------------|
| | | SIZE | GRADE ELEVATION | MOUNTING HEIGHT | LUMINAIRE TYPE | QTY / POLE |
| 2 | A1-A2 | 70' | - | 70' | TLC-LED-900 | 1 |
| | | | | 15.5' | TLC-BT-575 | 1 |
| | | | | 70' | TLC-LED-1200 | 3 |
| 2 | A3-A4 | 70' | - | 70' | TLC-LED-1200 | 1 |
| | | | | 15.5' | TLC-BT-575 | 1 |
| | | | | 70' | TLC-LED-900 | 2 |
| 2 | BA1, BA2 | 40' | - | 40' | TLC-LED-550 | 2 |
| | | | | 15.5' | TLC-BT-575 | 2 |
| 1 | B1 | 100' | - | 100' | TLC-LED-1500 | 3 |
| | | | | 15.5' | TLC-BT-575 | 2 |
| | | | | 100' | TLC-LED-1200 | 3 |
| 1 | B2 | 100' | - | 100' | TLC-LED-1500 | 3 |
| | | | | 15.5' | TLC-BT-575 | 2 |
| | | | | 100' | TLC-LED-1200 | 6 |
| 1 | B4 | 80' | - | 80' | TLC-LED-1200 | 1 |
| | | | | 15.5' | TLC-BT-575 | 1 |
| | | | | 80' | TLC-LED-1500 | 3 |
| 1 | D1 | 80' | 0' | 15.5' | TLC-BT-575 | 1 |
| | | | | 80' | TLC-LED-1500 | 3 |
| | | | | 80' | TLC-LED-550 | 3 |
| 4 | PB1, PB2, PB3, PB4 | 50' | - | 50' | TLC-LED-550 | 3 |
| | | | | 15.5' | TLC-BT-575 | 1 |
| | | | | 70' | TLC-LED-1200 | 4 |
| 1 | S1 | 70' | - | 15.5' | TLC-BT-575 | 1 |
| | | | | 70' | TLC-LED-1200 | 4 |
| 1 | S2 | 70' | - | 15.5' | TLC-BT-575 | 1 |
| | | | | 70' | TLC-LED-1200 | 4 |
| 16 | TOTALS | | | | | 72 |

SINGLE LUMINAIRE AMPERAGE DRAW CHART

| Driver (.90 min power factor) | Line Amperage Per Luminaire (max draw) | | | | | | |
|----------------------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|
| | 208 (60) | 220 (60) | 240 (60) | 277 (60) | 347 (60) | 380 (60) | 480 (60) |
| TLC-LED-1200 | 6.9 | 6.5 | 6.0 | 5.2 | 4.2 | 3.8 | 3.0 |
| TLC-LED-900 | 5.2 | 4.9 | 4.5 | 3.9 | 3.1 | 2.9 | 2.3 |
| TLC-BT-575 | 3.4 | 3.2 | 2.9 | 2.5 | 2.0 | 1.8 | 1.5 |
| TLC-LED-1500 | 8.4 | 7.9 | 7.3 | 6.3 | 5.0 | 4.6 | 3.6 |
| TLC-LED-550 | 3.2 | 3.0 | 2.8 | 2.4 | 1.9 | 1.8 | 1.4 |



ENGINEERED DESIGN By: Aaron Rose · File #228314A · 22-Jun-23

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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EQUIPMENT LAYOUT

