LANDSCAPE PLANS FOR:

OLD DEPOT BIKE PARK

COUNTY OF EL DORADO

40 OLD DEPOT ROAD
PLACERVILLE CA, 95667
APN: 327-250-037 and 327-250-038

GENERAL NOTES

SPECIFICATIONS: SEE THE GENERAL PROVISIONS, SPECIAL PROVISIONS, GENERAL REQUIREMENTS, AND TECHNICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. TECHNICAL SPECIFICATIONS ARE AN INTEGRAL PART OF THESE DRAWINGS. UPON GIVING A BID PRICE, IT IS ASSUMED THAT THE CONTRACTOR IS FAMILIAR WITH THE PROJECT SITE CONDITIONS AND HAS READ AND UNDERSTANDS ALL INFORMATION CONTAINED THEREIN.

UNAUTHORIZED CHANGES AND USES: HELIX ENVIRONMENTAL PLANNING WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY HELIX ENVIRONMENTAL PLANNING.

BASE SHEET DATA: THE PROPOSED IMPROVEMENTS SHOWN ON THESE DRAWINGS ARE DRAWN ONTO A BASE SHEET FORMED FROM THE TOPOGRAPHIC SURVEY AND OTHER DATA THAT HAS BEEN MADE AVAILABLE TO HELIX ENVIRONMENTAL PLANNING. HELIX ENVIRONMENTAL PLANNING SHALL NOT BE HELD LIABLE FOR CHANGES, INACCURACIES, OMISSIONS, OR OTHER ERRORS ON DOCUMENTS PROVIDED TO US. THE BASE SHEET DATA IS PROVIDED AS AN AID ONLY AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THESE DOCUMENTS AND INCORPORATING/INTEGRATING ALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE SAME.

THE FOLLOWING IS THE LIST OF SOURCES OF THE BASE SHEET DATA:

1)EL DORADO BIKE TRAIL (MASTER).DWG, DATED 11/15/19, PREPARED BY UNICO

CONTRACTOR: ALL WORK IS TO BE PERFORMED BY A LICENSED CONTRACTOR AND EXPERIENCED WORKERS. THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND OBTAIN AND PAY FOR ALL PERMITS NECESSARY TO COMPLETE THE WORK.

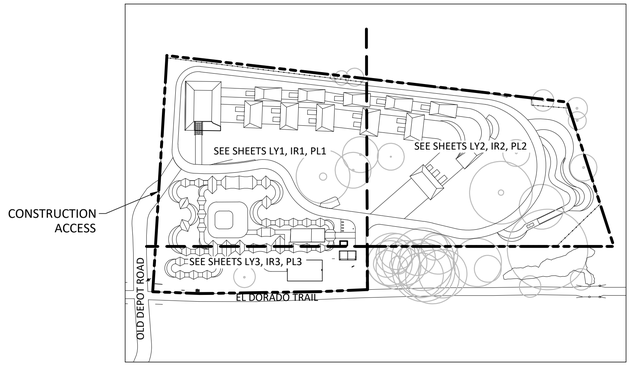
JOB SITE CONDITIONS: THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES THAT THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD THE OWNER AND HELIX ENVIRONMENTAL PLANNING HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR HELIX ENVIRONMENTAL PLANNING. TEMPORARY FENCING SHALL BE PROVIDED AND MAINTAINED AROUND SITE PERIMETER AND AT LOCATIONS DEEMED NECESSARY BY CONTRACTOR. TEMPORARY FENCING SHALL BE 6' CHAIN LINK WITH PEDESTAL TYPE BASE. RELOCATE AS NECESSARY DURING CONSTRUCTION.

UTILITIES: PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES INVOLVED IN THE VICINITY OF CONSTRUCTION AND REQUESTING A VISUAL VERIFICATION OF THE LOCATIONS OF THEIR FACILITIES. MOST UTILITY COMPANIES ARE MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ONE-CALL PROGRAM. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF THE U.S.A. 72 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING 811 OR UTILIZING U.S.A'S ONLINE SERVICE AT USANORTH811.ORG/EXCAVATORS. EXCAVATION IS DEFINED AS BEING 12 OR MORE INCHES IN DEPTH BELOW THE EXISTING SURFACE. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. THE CONTRACTOR IS CAUTIONED THAT ONLY EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATION, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. HOWEVER, HELIX ENVIRONMENTAL PLANNING CANNOT ASSUME RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE DELINEATION OF SUCH UTILITIES, OR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH ARE NOT SHOWN ON THESE DRAWINGS. UTILITY CONTACTS ARE LISTED ON SHEET 11.

COORDINATION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SCHEDULING OF CONSTRUCTION OPERATIONS WITH CONSTRUCTION OPERATIONS OF OTHERS WORKING ON OR NEAR THE PROJECT SITE.

EMISSIONS: THE CONTRACTOR SHALL MAINTAIN AND OPERATE CONSTRUCTION EQUIPMENT TO MINIMIZE EXHAUST EMISSIONS. DURING CONSTRUCTION, TRUCKS AND EQUIPMENT SHALL BE OPERATED ONLY WHEN NECESSARY AND ENGINES SHALL BE SHUT OFF WHEN TRUCKS ARE BEING LOADED OR UNLOADED OR OTHERWISE STATIONARY. EQUIPMENT SHALL BE MAINTAINED IN GOOD CONDITION AND WELL-TUNED TO MINIMIZE EXHAUST EMISSIONS.

PROJECT KEY MAP



MAP NOT TO SCALE

PROJECT VICINITY MAP

MAP NOT TO SCALE

SCHEDULE OF ADDITIVE ALTERNATIVES

ADD ALT #	DESCRIPTION OF WORK	SHEETS
1	INSTALL BEGINNER PUMP TRACK	LY 3, BK1, PL3, C1, C4, C5
2	INSTALL SKILLS TRACK	LY2, BK4, PL2, C1, C4, C5
3	INSTALL TOP TRACK OF BIKE JUMPS	LY1, LY2, BK2, BK3, PL1, PL2, C1, C4, C5
4	INSTALL ADDITIONAL LIGHT POSTS AND ASSOCIATED WIRING	LY1, LY2, LY3, E2.03, E2.04

DRAWING INDEX

SHEET NUMBER	SHEET LABEL	SHEET TITLE
1	CV1	COVER SHEET
2	NO1	NOTES
3	DM1	DEMOLITION PLAN
4-6	LY1-LY3	LAYOUT PLANS
7-10	BK1-BK4	BICYCLE AMENITY PLANS
11-15	C1 - C5	CIVIL PLANS AND DETAILS
16-22	E0.01 - E3.01	ELECTRICAL PLANS AND DETAILS
23-25	IR1 - IR3	IRRIGATION PLANS
26-28	PL1 - PL3	PLANTING PLANS
29-37	DT1 - DT9	LANDSCAPE DETAILS

SUBMITTED BY:

Meredith Branstad — 5/14/2021

MEREDITH BRANSTAD, PLA, CA LICENSE #5122 — DATE
HELIX ENVIRONMENTAL PLANNING

ACCEPTED BY:

VICKIE SANDERS — DATE
PARKS MANAGER

REVISION/ISSUE	BY

COVER

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH A. BRANSTAD LA 5122
Signature
7/31/2022
Renewal Date
5/14/2021
Date
STATE OF CALIFORNIA

11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

HELIX Environmental Planning

DRAWN BY: JLL, CBH
DATE: 05/14/2021
SCALE: AS SHOWN
JOB NUMBER: CED-04
SHEET: CV1 1 of 37

MITIGATION MEASURES

BIO 1 CONDUCT PRE-CONSTRUCTION SURVEYS: CONDUCT PRE-CONSTRUCTION SURVEYS FOR COAST HORNED LIZARD, WESTERN POND TURTLE, SPECIAL-STATUS BATS, AND NESTING MIGRATORY BIRDS AND RAPTORS (DURING THE NESTING SEASON) 14 DAYS PRIOR TO THE INITIATION OF CONSTRUCTION OR GROUND DISTURBING ACTIVITIES. IF CONSTRUCTION OR GROUND DISTURBING ACTIVITIES DO NOT COMMENCE WITHIN 14 DAYS, OR HALT FOR MORE THAN SEVEN DAYS, ADDITIONAL SURVEYS ARE REQUIRED PRIOR TO RESUMING OR STARTING WORK, AS DETAILED BELOW:

- IF NO COAST HORNED LIZARDS ARE OBSERVED, THEN A LETTER REPORT SHALL BE PREPARED TO DOCUMENT THE RESULTS OF THE SURVEY AND PROVIDED TO THE PROJECT PROPONENT, AND NO ADDITIONAL MEASURES ARE RECOMMENDED FOR COAST HORNED LIZARD. IF DEVELOPMENT DOES NOT COMMENCE WITHIN 14 DAYS OF THE PRE-CONSTRUCTION SURVEY, OR HALTS FOR MORE THAN SEVEN DAYS, AN ADDITIONAL SURVEY IS REQUIRED PRIOR TO RESUMING OR STARTING WORK.
- IF COAST HORNED LIZARDS ARE PRESENT IN THE PROJECT SITE, THEN AGENCY CONSULTATION MAY BE REQUIRED TO DETERMINE APPROPRIATE BUFFERS AND ADDITIONAL MEASURES TO REDUCE IMPACTS TO THESE SPECIES. ADDITIONAL AVOIDANCE MEASURES MAY INCLUDE, BUT ARE NOT LIMITED TO, HAVING A QUALIFIED BIOLOGIST CONDUCT A SECOND PRE-CONSTRUCTION SURVEY WITHIN 24 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES, AND HAVING A QUALIFIED BIOLOGIST PRESENT ON-SITE DURING INITIAL GROUND-CLEARING AND GRADING ACTIVITIES FOR THE PURPOSE OF RELOCATING ANY COAST HORNED LIZARDS FOUND WITHIN THE CONSTRUCTION FOOTPRINT TO A SUITABLE HABITAT AWAY FROM THE CONSTRUCTION ZONE, BUT WITHIN THE PROJECT SITE.
- IF CONSTRUCTION BEGINS DURING THE WINTER MONTHS (BETWEEN OCTOBER AND APRIL), A QUALIFIED BIOLOGIST SHALL CONDUCT A PRE-CONSTRUCTION SURVEY FOR WESTERN POND TURTLE WITHIN 14 DAYS PRIOR TO DEVELOPMENT OR GROUND DISTURBING ACTIVITIES INCLUDING GRADING, VEGETATION CLEARING, TREE REMOVAL, OR CONSTRUCTION. IF WESTERN POND TURTLE IS NOT OBSERVED, A LETTER REPORT SHALL BE PREPARED TO DOCUMENT THE RESULTS OF THE SURVEY AND PROVIDED TO PROJECT PROPONENT, AND NO ADDITIONAL MEASURES ARE RECOMMENDED. IF DEVELOPMENT DOES NOT COMMENCE WITHIN 14 DAYS OF THE PRE-CONSTRUCTION SURVEY, OR HALTS FOR MORE THAN SEVEN DAYS, AN ADDITIONAL SURVEY SHALL BE CONDUCTED PRIOR TO RESUMING OR STARTING WORK. IF CONSTRUCTION BEGINS OUTSIDE OF THE OVERWINTERING PERIOD, THEN NO SURVEYS ARE REQUIRED.
- IF WESTERN POND TURTLE IS OBSERVED WITHIN THE PROJECT SITE, THEN A QUALIFIED BIOLOGIST SHALL ESTABLISH AN APPROPRIATE NO DISTURBANCE BUFFER AROUND THE AREA OBSERVED (LIKELY THE INTERMITTENT STREAM) AND WILDLIFE EXCLUSION FENCING SHALL BE INSTALLED. THIS FENCING WILL BE COMPRISED OF SILT FENCING AND WILL BE INSTALLED IN AN AREA RECOMMENDED BY THE DESIGNATED BIOLOGIST. THE FENCING SHALL REMAIN IN PLACE THE DURATION OF CONSTRUCTION AND SHALL BE REMOVED UPON THE COMPLETION OF CONSTRUCTION.
- A QUALIFIED BIOLOGIST SHALL CONDUCT A PRE-CONSTRUCTION SURVEY FOR SPECIAL-STATUS BAT SPECIES WITHIN 14 DAYS PRIOR TO DEVELOPMENT OR GROUND DISTURBING ACTIVITIES INCLUDING GRADING, VEGETATION CLEARING, TREE REMOVAL, OR CONSTRUCTION. IF NO BATS ARE OBSERVED, A LETTER REPORT SHALL BE PREPARED TO DOCUMENT THE SURVEY AND PROVIDED TO PROJECT PROPONENT, AND NO ADDITIONAL MEASURES ARE RECOMMENDED. IF DEVELOPMENT DOES NOT COMMENCE WITHIN 14 DAYS OF THE PRE-CONSTRUCTION SURVEY, OR HALTS FOR MORE THAN SEVEN DAYS, AN ADDITIONAL SURVEY IS REQUIRED PRIOR TO RESUMING OR STARTING WORK.
- IF SPECIAL-STATUS BATS ARE PRESENT AND ROOSTING IN THE PROJECT SITE OR THE SURROUNDING 100 FEET OF THE PROJECT SITE, THE QUALIFIED BIOLOGIST SHALL ESTABLISH AN APPROPRIATE NO DISTURBANCE BUFFER AROUND THE ROOST SITE PRIOR TO THE COMMENCEMENT OF GROUND DISTURBING ACTIVITIES OR DEVELOPMENT. NO TREES WILL BE REMOVED UNTIL THE BIOLOGIST HAS DETERMINED THAT A ROOST SITE IS NO LONGER ACTIVE, AND NO BATS ARE PRESENT. IF AVOIDANCE IS NOT FEASIBLE, THEN THE CDFW WILL BE CONSULTED FOR ADDITIONAL AVOIDANCE MEASURES AND ADDITIONAL MITIGATION MEASURES, SUCH AS INSTALLATION OF BAT BOXES OR ALTERNATE ROOST STRUCTURES.

BIO-2 BOTANICAL SURVEY AND AVOIDANCE: A QUALIFIED BOTANIST SHALL CONDUCT A BOTANICAL SURVEY WITHIN THE EVIDENT AND IDENTIFIABLE BLOOMING PERIODS FOR POTENTIAL SPECIAL-STATUS PLANTS THAT HAVE THE POTENTIAL TO OCCUR WITHIN THE PROJECT SITE, INCLUDING BRANDEGEE'S CLARKIA (MAY TO JULY), CHAPARRAL SEDGE (MARCH TO JUNE), HUMBOLDT LILY (MAY TO AUGUST), SIERRA CLARKIA (MAY TO AUGUST), RED HILLS SOAPROOT (MAY TO JUNE), AND OVAL-LEAVED VIBURNUM (MAY TO JUNE). ONE SURVEY, CONDUCTED IN MAY OR JUNE, WILL SATISFY THE BLOOMING PERIODS FOR ALL SIX PLANTS. IF NO SPECIAL-STATUS PLANTS ARE OBSERVED, THE BOTANIST WILL DOCUMENT THE FINDINGS IN A LETTER REPORT AND NO ADDITIONAL MEASURES ARE RECOMMENDED.

IF ANY OF THE NON-LISTED SPECIAL-STATUS PLANTS ARE IDENTIFIED WITHIN AREAS OF POTENTIAL CONSTRUCTION DISTURBANCE, THEY WILL BE AVOIDED TO THE GREATEST EXTENT FEASIBLE. IF THE PLANTS CANNOT BE AVOIDED, THE PLANTS AND/OR THE SEEDBANK WILL BE TRANSPLANTED TO A SUITABLE HABITAT NEAR THE PROJECT SITE. IF NONLISTED SPECIAL STATUS PLANTS ARE FOUND DURING THE RECOMMENDED BOTANICAL SURVEYS, A QUALIFIED BIOLOGIST WILL PREPARE AN AVOIDANCE AND MITIGATION PLAN DETAILING PROTECTION AND AVOIDANCE MEASURES, TRANSPLANTING PROCEDURES, SUCCESS CRITERIA, AND LONG-TERM MONITORING PROTOCOLS.

BIO-3 ENVIRONMENTAL AWARENESS TRAINING: A QUALIFIED BIOLOGIST SHALL CONDUCT AN ENVIRONMENTAL AWARENESS TRAINING FOR ALL CONSTRUCTION PERSONNEL PRIOR TO THE INITIATION OF WORK.

THE TRAINING SHALL INCLUDE IDENTIFICATION OF COAST HORNED LIZARD, WESTERN POND TURTLES, SPECIAL STATUS BATS, SPECIAL STATUS PLANTS, AND NESTING BIRDS; REQUIRED PRACTICES TO BE IMPLEMENTED PRIOR TO AND DURING CONSTRUCTION; GENERAL MEASURES THAT ARE BEING IMPLEMENTED TO CONSERVE THE SPECIES AS THEY RELATE TO THE PROJECT; PENALTIES FOR NON_COMPLIANCE, BOUNDARIES OF THE NON-DISTURBANCE BUFFER ZONES; AND WHAT TO DO/WHOM TO CONTACT SHOULD ANY SENSITIVE WILDLIFE OR PLANT SPECIES, OR NESTING BIRDS BE OBSERVED ONSITE DURING CONSTRUCTION. UPON COMPLETION OF THE TRAINING, ALL CONSTRUCTION PERSONNEL SHALL SIGN A FORM STATING THAT THEY HAVE ATTENDED THE TRAINING AND UNDERSTAND ALL THE MEASURES. PROOF OF THIS INSTRUCTION SHALL BE KEPT ON FILE WITH THE PROJECT PROPONENT.

BIO-4 OBTAIN APPLICABLE REGULATORY PERMITS AND IMPLEMENT ASSOCIATED MITIGATION. SHOULD THE FINAL DESIGN OF THE PROPOSED PROJECT RESULT IN IMPACTS TO AQUATIC RESOURCES, THEN A FORMAL AQUATIC RESOURCES DELINEATION REPORT SHALL BE PREPARED AND VERIFIED BY THE USACE. THE COUNTY SHALL OBTAIN CLEAN WATER ACT SECTION 404 AND 401 PERMITS FOR ANY IMPACTS TO WATERS OF THE U.S. AND FILE A WASTE DISCHARGE REPORT FOR IMPACTS TO WATERS OF THE STATE NOT SUBJECT TO REGULATION UNDER THE CLEAN WATER ACT.

IMPACTS TO ANY REGULATED AQUATIC FEATURES WOULD REQUIRE A CLEAN WATER ACT SECTION 404 AUTHORIZATION BY THE USACE AND ADDITIONALLY A SECTION 401 WATER QUALITY CERTIFICATION WOULD LIKELY BE REQUIRED BY THE RWQCB. IF AQUATIC FEATURES ARE DETERMINED NOT TO BE SUBJECT TO FEDERAL JURISDICTION UNDER THE CLEAN WATER ACT, THEN THESE FEATURES MAY BE SUBJECT TO WASTE DISCHARGE REQUIREMENTS UNDER THE PORTER-COLOGNE WATER QUALITY CONTROL ACT SHOULD THE PROPOSED PROJECT RESULT IN IMPACTS TO THESE FEATURES. SECTION 13260(A) OF THE PORTER-COLOGNE WATER QUALITY CONTROL ACT (CONTAINED IN THE CALIFORNIA WATER CODE) REQUIRES ANY PERSON DISCHARGING WASTE OR PROPOSING TO DISCHARGE WASTE, OTHER THAN TO A COMMUNITY SEWER SYSTEM, WITHIN ANY REGION THAT COULD AFFECT THE QUALITY OF THE WATERS OF THE STATE (ALL SURFACE AND SUBSURFACE WATERS) TO FILE A REPORT OF WASTE DISCHARGE. THE DISCHARGE OF DREDGED OR FILL MATERIAL MAY CONSTITUTE A DISCHARGE OF WASTE THAT COULD AFFECT THE QUALITY OF WATERS OF THE STATE. A REPORT OF WASTE DISCHARGE WILL BE FILED FOR IMPACTS TO NON-FEDERAL WATERS, IF REQUIRED. MITIGATION MEASURES AND ANY OTHER REQUIREMENTS CONTAINED IN THESE PERMITS SHALL BE IMPLEMENTED.

BIO-5 TO AVOID IMPACTS TO NESTING BIRDS, ALL VEGETATION REMOVAL SHOULD BE COMPLETED BETWEEN SEPTEMBER 1 AND JANUARY 31, IF FEASIBLE. IF DEVELOPMENT ACTIVITIES OCCUR DURING THE NESTING SEASON, A QUALIFIED BIOLOGIST SHOULD CONDUCT A NESTING BIRD SURVEY TO DETERMINE THE PRESENCE OF ANY ACTIVE NESTS WITHIN THE PROJECT SITE. ADDITIONALLY, THE SURROUNDING 500 FEET OF THE PROJECT SITE SHOULD BE SURVEYED FOR ACTIVE RAPTOR NESTS, WHERE ACCESSIBLE, AND WITH BINOCULARS, AS NECESSARY. THE NESTING BIRD SURVEY SHOULD BE CONDUCTED WITHIN 14 DAYS PRIOR TO COMMENCEMENT OF GROUND-DISTURBING OR OTHER DEVELOPMENT ACTIVITIES. IF THE NESTING BIRD SURVEY SHOWS THAT THERE IS NO EVIDENCE OF ACTIVE NESTS, A LETTER REPORT SHOULD BE PREPARED TO DOCUMENT THE SURVEY AND PROVIDED TO THE PROJECT PROPONENT, AND NO ADDITIONAL MEASURES ARE RECOMMENDED. IF DEVELOPMENT DOES NOT COMMENCE WITHIN 14 DAYS OF THE NESTING BIRD SURVEY, OR HALTS FOR MORE THAN SEVEN DAYS, AN ADDITIONAL SURVEY IS REQUIRED PRIOR TO STARTING OR RESUMING WORK.

IF ACTIVE NESTS ARE FOUND, THE QUALIFIED BIOLOGIST SHOULD ESTABLISH SPECIES-SPECIFIC BUFFER ZONES TO PROHIBIT DEVELOPMENT ACTIVITIES AND MINIMIZE NEST DISTURBANCE UNTIL THE YOUNG HAVE SUCCESSFULLY FLEDGED OR THE BIOLOGIST DETERMINES THAT A NEST IS NO LONGER ACTIVE. BUFFER DISTANCES MAY RANGE FROM 20 FEET FOR MOST SONGBIRDS UP TO 250 TO 500 FEET FOR MOST RAPTORS. NEST MONITORING MAY ALSO BE WARRANTED DURING CERTAIN PHASES OF DEVELOPMENT TO ENSURE NESTING BIRDS ARE NOT ADVERSELY IMPACTED BY CONSTRUCTION ACTIVITIES. IF ACTIVE NESTS ARE FOUND WITHIN ANY TREES SLATED FOR REMOVAL, AN APPROPRIATE BUFFER SHOULD BE ESTABLISHED AROUND THE TREE AND ALL TREES WITHIN THE BUFFER SHOULD NOT BE REMOVED UNTIL A QUALIFIED BIOLOGIST DETERMINES THAT THE NEST HAS SUCCESSFULLY FLEDGED AND IS NO LONGER ACTIVE.

BIO-6 CONDUCT ENVIRONMENTAL AWARENESS TRAINING FOR NESTING BIRDS FOR CONSTRUCTION DURING THE NESTING SEASON (FEBRUARY 1 TO AUGUST): A QUALIFIED BIOLOGIST SHOULD CONDUCT AN ENVIRONMENTAL AWARENESS TRAINING FOR ALL CONSTRUCTION PERSONNEL FOR THE POTENTIAL OF NESTING BIRDS TO OCCUR ONSITE PRIOR TO THE INITIATION OF WORK. THE TRAINING SHOULD INCLUDE IDENTIFICATION OF NESTING BIRDS, REQUIRED PRACTICES TO BE IMPLEMENTED PRIOR TO AND DURING CONSTRUCTION, GENERAL MEASURES THAT ARE BEING IMPLEMENTED TO CONSERVE THE SPECIES AS THEY RELATE TO THE PROJECT, PENALTIES FOR NON-COMPLIANCE, BOUNDARIES OF THE NON-DISTURBANCE BUFFER ZONES, AND WHAT TO DO/WHOM TO CONTACT SHOULD A NESTING BIRD BE OBSERVED ONSITE DURING CONSTRUCTION. UPON COMPLETION OF THE TRAINING, ALL CONSTRUCTION PERSONNEL SHOULD SIGN A FORM STATING THAT THEY HAVE ATTENDED THE TRAINING AND UNDERSTAND ALL THE MEASURES. PROOF OF THIS INSTRUCTION SHOULD BE KEPT ON FILE WITH THE PROJECT PROPONENT. AS APPLICABLE, THE PRE-CONSTRUCTION SURVEY AND ENVIRONMENTAL TRAINING MAY BE COMBINED WITH OTHER RECOMMENDED SURVEYS AND TRAININGS.

IF CONSTRUCTION OCCURS FROM SEPTEMBER 1 TO JANUARY 31ST, WHICH IS OUTSIDE OF THE NESTING BIRD SEASON, A NESTING BIRD SURVEY AND ENVIRONMENTAL TRAINING FOR NESTING BIRDS WOULD NOT BE REQUIRED.

BIO-7A. OAK WOODLAND REMOVAL PERMIT: PROJECT PROPONENT WILL OBTAIN AN OAK WOODLAND REMOVAL PERMIT. REQUIRED MITIGATION WILL BE IMPLEMENTED ON-SITE AND INTEGRATED INTO THE LANDSCAPE PLAN. IF ON-SITE MITIGATION IS NOT FEASIBLE, THEN MITIGATION WILL BE COMPLETED THROUGH OFF-SITE MITIGATION OR PAYMENT OF IN-LIEU FEES IN ACCORDANCE WITH THE ORMP.

BIO-7B. OAK TREE PROTECTION MEASURES: FOR ALL PROTECTED TREES TO BE PRESERVED WITHIN 20 FEET OF THE IMPACT AREA, THEN PROTECTION MEASURES SHALL BE IMPLEMENTED IN ORDER MINIMIZE IMPACTS TO PROTECTED TREES. PROTECTION MEASURES INCLUDE:

- INSTALL TREE PROTECTION FENCING, CONSISTING OF A MINIMUM 4-FOOT TALL HIGH-VISIBILITY FENCE (ORANGE PLASTIC SNOW FENCE OR SIMILAR) ON STEEL POSTS PLACED A MAXIMUM OF 8-FEET ON CENTER, SHALL BE PLACED AT THE EDGE OF THE WOODLAND HABITAT AND AROUND THE PERIMETER OF THE ROOT PROTECTION ZONE (RPZ; DRIPLINE RADIUS X 1.3) FOR THE TREES TO REMAIN, WHICHEVER IS GREATER. THE RPZ IS THE MINIMUM DISTANCE FOR PLACING PROTECTIVE FENCING, BUT TREE PROTECTION FENCING SHOULD BE PLACED AS FAR OUTSIDE OF THE RPZ AS POSSIBLE. SIGNS SHALL BE PLACED ALONG THE FENCE AT APPROXIMATELY 50-FOOT INTERVALS. EACH SIGN SHALL BE A MINIMUM OF TWO FEET BY TWO FEET AND SHALL INCLUDE THE FOLLOWING:

  TREE PROTECTION ZONE
  DO NOT MOVE OR RELOCATE FENCE
  UNTIL PROJECT COMPLETION WITHOUT
  PERMISSION OF PROJECT ARBORIST
  OR THE COUNTY OF EL DORADO

- TREE AND VEGETATION REMOVAL WILL BE LIMITED TO THE EXTENT NEEDED TO FACILITATE PROJECT CONSTRUCTION AND ACCESS TO THE SITE.
- IF PERMANENT SITE IMPROVEMENTS (E.G., PAVING, BUILDINGS, AND STRUCTURES) ENCROACH INTO THE PROTECTED AREA, INSTALL FENCE AT LIMIT OF WORK. IF TEMPORARY IMPACTS (E.G., GRADING, UTILITY INSTALLATION) REQUIRE ENCROACHMENT INTO THE PROTECTED AREA, MOVE FENCE TO LIMIT OF WORK DURING ACTIVE CONSTRUCTION OF ITEM AND RETURN TO EDGE OF PROTECTED AREA ONCE WORK IS COMPLETED.
- PROTECTION FENCING SHALL NOT BE MOVED WITHOUT PRIOR AUTHORIZATION FROM THE PROJECT ARBORIST OR COUNTY OF EL DORADO OR AS DETAILED ON APPROVED PLANS.
- AVOID PAVING WITHIN PROTECTED AREA. IF PAVING CANNOT BE AVOIDED, POROUS MATERIALS WILL BE USED.
- NO PARKING, PORTABLE TOILETS, DUMPING OR STORAGE OF ANY CONSTRUCTION MATERIALS, INCLUDING OIL, GAS, OR OTHER CHEMICALS, OR OTHER INFRINGEMENT BY WORKERS OR DOMESTICATED ANIMALS IS ALLOWED IN THE PROTECTED AREA.
- NO SIGNS, ROPES, CABLES, METAL STAKES, OR ANY OTHER ITEMS SHALL BE ATTACHED TO A PROTECTED TREE, UNLESS RECOMMENDED BY AN ISA-CERTIFIED ARBORIST.
- GRADING, EXCAVATION, OR TRENCHING WITHIN RPZ OF EXISTING NATIVE OAKS SHOULD BE AVOIDED TO THE GREATEST EXTENT POSSIBLE. UNDER NO CIRCUMSTANCES SHOULD FILL SOIL BE PLACED AGAINST THE TRUNK OF AN EXISTING TREE.
- UNDERGROUND UTILITIES SHOULD BE AVOIDED IN THE RPZ, BUT IF NECESSARY, SHALL BE BORED OR DRILLED.
- NO TRENCHING IS ALLOWED WITHIN THE RPZ UNLESS SPECIFICALLY APPROVED BY THE PROJECT ARBORIST.
- PRUNING OF LIVING LIMBS OR ROOTS SHALL BE DONE UNDER THE SUPERVISION OF AN ISA-CERTIFIED ARBORIST.
- ALL PRUNING SHOULD BE DONE BY HAND, AIR KNIFE, OR WATER JET, IN ACCORDANCE WITH ISA STANDARDS USING TREE MAINTENANCE BEST PRACTICES. CLIMBING SPIKES SHOULD NOT BE USED ON LIVING TREES. LIMBS SHOULD BE REMOVED WITH CLEAN CUTS JUST OUTSIDE THE CROWN COLLAR.
- COVER EXPOSED ROOTS OR CUT ROOT ENDS IN TRENCHES WITH DAMP BURLAP TO PREVENT DRYING OUT.
- MINIMIZE DISTURBANCE TO THE NATIVE GROUND SURFACE (GRASS, LEAF, LITTER, OR MULCH) UNDER PRESERVED TREES TO THE GREATEST EXTENT FEASIBLE.
- NATIVE WOODY PLANT MATERIAL (TREES AND SHRUBS TO BE REMOVED) MAY BE CHIPPED OR MULCHED ON THE PROJECT SITE AND PLACED IN A 4- TO 6-INCH DEEP LAYER AROUND EXISTING TREES TO REMAIN. DO NOT PLACE MULCH IN CONTACT WITH THE TRUNK OF PRESERVED TREES.
- IF A TREE TO REMAIN HAS HAD ROOTS CUT DURING CONSTRUCTION, THE TREE SHALL BE DEEP WATERED ONCE A MONTH DURING SUMMER/FALL MONTHS UNTIL CONSTRUCTION IS COMPLETE..
- APPROPRIATE FIRE PREVENTION TECHNIQUES SHALL BE EMPLOYED AROUND ALL TREES TO BE PRESERVED. THIS INCLUDES CUTTING TALL GRASS, REMOVING FLAMMABLE DEBRIS WITHIN THE RPZ, AND PROHIBITING THE USE OF TOOLS THAT MAY CAUSE SPARKS, SUCH AS METAL-BLADED TRIMMERS OR MOWERS.
- NO OPEN FLAMES SHALL BE PERMITTED WITHIN 15 FEET OF THE TREE CANOPY.
- DAMAGE TO ANY PROTECTED TREE DURING CONSTRUCTION SHALL BE IMMEDIATELY REPORTED TO THE COUNTY OF EL DORADO PLANNING SERVICES. DAMAGE SHALL BE CORRECTED AS REQUIRED BY THE COUNTY REPRESENTATIVE.

CUL-1 WORKER AWARENESS TRAINING PROGRAM: PRIOR TO THE INITIATION OF GROUND-DISTURBING ACTIVITIES HELIX RECOMMENDS THAT ALL CONSTRUCTION PERSONNEL BE TRAINED IN THE PROTECTION OF CULTURAL RESOURCES, THE RECOGNITION OF BURIED CULTURAL REMAINS, AND THE NOTIFICATION PROCEDURES TO BE FOLLOWED UPON THE DISCOVERY OF ARCHAEOLOGICAL MATERIALS, INCLUDING NATIVE AMERICAN BURIALS. THE TRAINING SHOULD BE PRESENTED BY AN ARCHAEOLOGIST WHO MEETS THE SECRETARY OF INTERIOR'S STANDARDS FOR PREHISTORIC AND HISTORIC ARCHAEOLOGY AND SHOULD INCLUDE RECOGNITION OF BOTH PREHISTORIC AND HISTORIC RESOURCES. PERSONNEL SHOULD BE INSTRUCTED THAT UNAUTHORIZED COLLECTION OR DISTURBANCE OF ARTIFACTS OR OTHER CULTURAL MATERIALS IS ILLEGAL, AND THAT VIOLATORS WILL BE SUBJECT TO PROSECUTION UNDER THE APPROPRIATE STATE AND FEDERAL LAWS. SUPERVISORS SHOULD ALSO BE BRIEFED ON THE CONSEQUENCES OF INTENTIONAL OR INADVERTENT DAMAGE TO CULTURAL RESOURCES.

CUL-2 UNANTICIPATED DISCOVERY PROCEDURES: IF BURIED CULTURAL RESOURCES ARE DISCOVERED DURING CONSTRUCTION, OPERATIONS SHALL STOP IN THE IMMEDIATE VICINITY OF THE FIND AND A QUALIFIED ARCHAEOLOGIST SHALL BE CONSULTED TO DETERMINE WHETHER THE RESOURCE REQUIRES FURTHER STUDY. THE ARCHAEOLOGIST SHALL MAKE RECOMMENDATIONS TO THE LEAD AGENCY CONCERNING APPROPRIATE MEASURES THAT WILL BE IMPLEMENTED TO PROTECT THE RESOURCES, INCLUDING BUT NOT LIMITED TO EXCAVATION AND EVALUATION OF THE FINDS, CONSISTENT WITH SECTION 15064.5 OF THE CEQA GUIDELINES. CULTURAL RESOURCES COULD CONSIST OF BUT ARE NOT LIMITED TO STONE, BONE, WOOD, OR SHELL ARTIFACTS, OR FEATURES INCLUDING HEARTHS, STRUCTURAL REMAINS, OR HISTORIC DUMPSITES. IN ACCORDANCE WITH PRC SECTION 21082 AND SECTION 15064.5 OF THE CEQA GUIDELINES, NO FURTHER GRADING OR CONSTRUCTION ACTIVITY SHALL OCCUR WITHIN 50 FEET OF THE DISCOVERY UNTIL THE LEAD AGENCY APPROVES THE MEASURES TO PROTECT THESE RESOURCES.

CUL-3 INADVERTENT DISCOVERY PROCEDURES: THERE IS ALWAYS THE POSSIBILITY THAT GROUND DISTURBING ACTIVITIES DURING CONSTRUCTION MAY UNCOVER PREVIOUSLY UNKNOWN HUMAN REMAINS. IN THE EVENT OF AN ACCIDENTAL DISCOVERY OR RECOGNITION OF ANY HUMAN REMAINS, PRC SECTION 5097.98 MUST BE FOLLOWED. IF THERE IS A DISCOVERY OR RECOGNITION OF HUMAN REMAINS DURING PROJECT-RELATED EARTHMOVING ACTIVITIES, THE FOLLOWING STEPS SHALL BE TAKEN:

1. THERE SHALL BE NO FURTHER EXCAVATION OR DISTURBANCE OF THE SPECIFIC LOCATION OR ANY NEARBY AREA REASONABLY SUSPECTED TO OVERLIE ADJACENT HUMAN REMAINS UNTIL THE EL DORADO COUNTY CORONER IS CONTACTED TO DETERMINE IF THE REMAINS ARE NATIVE AMERICAN AND IF AN INVESTIGATION OF THE CAUSE OF DEATH IS REQUIRED. IF THE CORONER DETERMINES THE REMAINS ARE NATIVE AMERICAN, THE CORONER SHALL CONTACT THE NAHC WITHIN 24 HOURS, AND THE NAHC SHALL IDENTIFY THE PERSON OR PERSONS IT BELIEVES TO BE THE "MOST LIKELY DESCENDANT" OF THE DECEASED NATIVE AMERICAN. THE MOST LIKELY DESCENDANT MAY MAKE RECOMMENDATIONS TO THE LANDOWNER OR THE PERSON RESPONSIBLE FOR THE EXCAVATION WORK, FOR MEANS OF TREATING OR DISPOSING OF, WITH APPROPRIATE DIGNITY, THE HUMAN REMAINS, AND ANY ASSOCIATED GRAVE GOODS AS PROVIDED IN PRC SECTION 5097.98, OR
2. WHERE THE FOLLOWING CONDITIONS OCCUR, THE LANDOWNER OR HIS/HER AUTHORIZED REPRESENTATIVE SHALL REBURY THE NATIVE AMERICAN HUMAN REMAINS AND ASSOCIATED GRAVE GOODS WITH APPROPRIATE DIGNITY EITHER IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MOST LIKELY DESCENDENT OR ON THE PROJECT AREA IN A LOCATION NOT SUBJECT TO FURTHER SUBSURFACE DISTURBANCE:
   - 2.1. THE NAHC IS UNABLE TO IDENTIFY A MOST LIKELY DESCENDENT OR THE MOST LIKELY DESCENDENT FAILED TO MAKE A RECOMMENDATION WITHIN 48 HOURS AFTER BEING NOTIFIED BY THE COMMISSION;
   - 2.2. THE DESCENDENT IDENTIFIED FAILS TO MAKE A RECOMMENDATION; OR
   - 2.3. THE LANDOWNER OR HIS AUTHORIZED REPRESENTATIVE REJECTS THE RECOMMENDATION OF THE DESCENDENT, AND THE MEDIATION BY THE NAHC FAILS TO PROVIDE MEASURES ACCEPTABLE TO THE LANDOWNER.

HAZ-1 PRIOR TO CONSTRUCTION, IF IT IS DETERMINED THAT THE EXISTING WATER WELL WOULD BE ABANDONED AND NOT USED FOR THE PROJECT, THE COUNTY SHALL SECURE AND ABANDON THE EXISTING WATER WELL IN ACCORDANCE WITH COUNTY REQUIREMENTS.

HAZ-2 THE COUNTY SHALL ENSURE THAT UNUSED SUBSURFACE SEPTIC SYSTEM STRUCTURES WILL BE A PROPERLY ABANDONED IN ACCORDANCE WITH COUNTY REQUIREMENTS..

NOI-1 CONSTRUCTION RELATED NOISE. THE FOLLOWING SHALL BE IMPLEMENTED DURING CONSTRUCTION ACTIVITIES:

- THE OPERATION OF TOOLS OR EQUIPMENT USED IN CONSTRUCTION, DRILLING, REPAIR, ALTERATION OR DEMOLITION SHALL BE LIMITED TO BETWEEN THE HOURS OF 7:00 A.M. AND 7:00 P.M. MONDAY THROUGH FRIDAY, AND BETWEEN 8:00 A.M. AND 5:00 P.M. ON SATURDAYS.
- NO HEAVY EQUIPMENT RELATED CONSTRUCTION ACTIVITIES SHALL BE ALLOWED ON SUNDAYS OR HOLIDAYS.

ALL STATIONARY AND OTHER CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED IN GOOD WORKING ORDER AND FITTED WITH FACTORY APPROVED MUFFLER SYSTEMS.

TCR-1 CONTACT TRIBAL REPRESENTATIVE: IF ANY SUSPECTED TRIBAL CULTURAL RESOURCES (TCRS) ARE DISCOVERED DURING GROUND DISTURBING CONSTRUCTION ACTIVITIES, ALL WORK SHALL CEASE WITHIN 100 FEET OF THE FIND, OR AN AGREED UPON DISTANCE BASED ON THE PROJECT AREA AND NATURE OF THE FIND. A TRIBAL REPRESENTATIVE FROM A CALIFORNIA NATIVE AMERICAN TRIBE THAT IS TRADITIONALLY AND CULTURALLY AFFILIATED WITH A GEOGRAPHIC AREA SHALL BE IMMEDIATELY NOTIFIED AND SHALL DETERMINE IF THE FIND IS A TCR (PRC SECTION 21074). THE TRIBAL REPRESENTATIVE WILL MAKE RECOMMENDATIONS FOR FURTHER EVALUATION AND TREATMENT, AS NECESSARY.

PRESERVATION IN PLACE IS THE PREFERRED ALTERNATIVE UNDER CEQA AND UNITED AUBURN INDIAN COMMUNITY OF THE AUBURN RANCHERIA PROTOCOLS, AND EVERY EFFORT MUST BE MADE TO PRESERVE THE RESOURCES IN PLACE, INCLUDING THROUGH PROJECT REDESIGN. CULTURALLY APPROPRIATE TREATMENT MAY BE, BUT IS NOT LIMITED TO, PROCESSING MATERIALS FOR REBURIAL, MINIMIZING HANDLING OF CULTURAL OBJECTS, LEAVING OBJECTS IN PLACE WITHIN THE LANDSCAPE, RETURNING OBJECTS TO A LOCATION WITHIN THE PROJECT AREA WHERE THEY WILL NOT BE SUBJECT TO FUTURE IMPACTS. THE TRIBE DOES NOT CONSIDER CURATION OF TCR'S TO BE APPROPRIATE OR RESPECTFUL AND REQUEST THAT MATERIALS NOT BE PERMANENTLY CURATED, UNLESS APPROVED BY THE TRIBE.

THE CONTRACTOR SHALL IMPLEMENT ANY MEASURES DEEMED BY THE CEQA LEAD AGENCY TO BE NECESSARY AND FEASIBLE TO PRESERVE IN PLACE, AVOID, OR MINIMIZE IMPACTS TO THE RESOURCE, INCLUDING, BUT NOT LIMITED TO, FACILITATING THE APPROPRIATE TRIBAL TREATMENT OF THE FIND, AS NECESSARY. TREATMENT THAT PRESERVES OR RESTORES THE CULTURAL CHARACTER AND INTEGRITY OF A TRIBAL CULTURAL RESOURCE MAY INCLUDE TRIBAL MONITORING, CULTURALLY APPROPRIATE RECOVERY OF CULTURAL OBJECTS, AND REBURIAL OF CULTURAL OBJECTS OR CULTURAL SOIL.

WORK AT THE DISCOVERY LOCATION CANNOT RESUME UNTIL ALL NECESSARY INVESTIGATION AND EVALUATION OF THE DISCOVERY UNDER THE REQUIREMENTS OF THE CEQA, INCLUDING AB 52, HAS BEEN SATISFIED.

REVISION/ISSUE	BY

NOTES

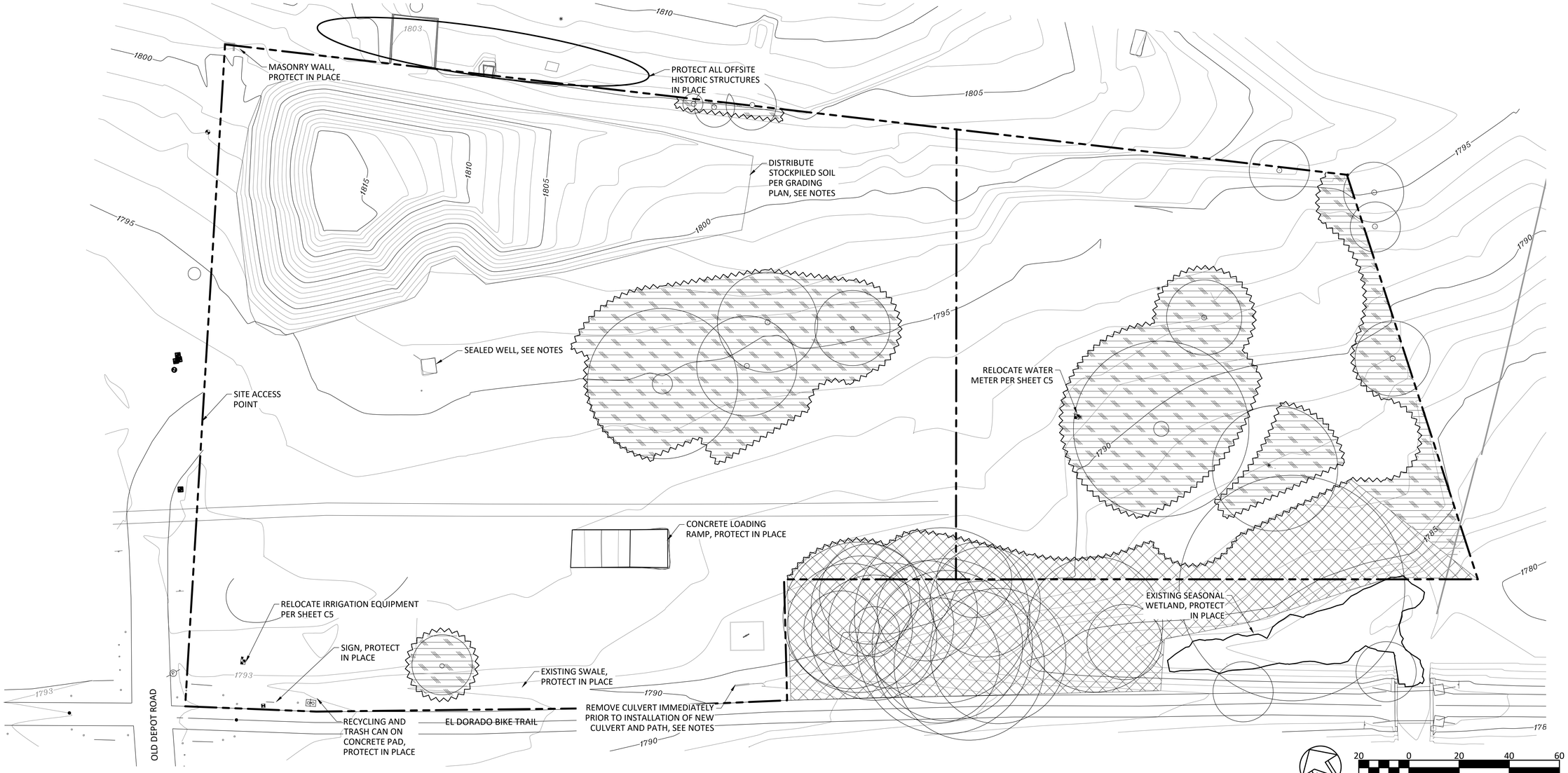
OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH A. BRANSTOM
Signature 7/31/2022
Renewal Date 5/14/2021
Date
STATE OF CALIFORNIA

HELIX Environmental Planning
11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

DRAWN BY JLL, CBH
DATE 05/14/2021
SCALE AS SHOWN
JOB NUMBER CED-04
SHEET NO1 2 of 37



DEMOLITION NOTES

SPECIFICATIONS: SEE GENERAL NOTES, SPECIFICATIONS, AND TREE PROTECTION NOTES FOR ADDITIONAL INFORMATION INCLUDING UTILITIES VERIFICATION, PROTECTION, AND RESTORATION INFORMATION AND REQUIREMENTS.

CLEARING AND GRUBBING: TREE AND BRUSH REMOVAL AND VEGETATION TRIMMING COMPLETED BY OTHERS. CLEAR AND GRUB TO THE LIMITS OF WORK PER SPECIFICATIONS EXCLUDING PROTECTED AREA AND RESTRICTED AREA.

EXISTING UTILITY BOXES: PROTECT IN PLACE OR RELOCATE IF REQUIRED FOR SITE IMPROVEMENTS.

EXISTING PAVING TO REMAIN: IN LOCATIONS WHERE NEW PAVING WILL BE CONSTRUCTED NEXT TO EXISTING PAVING, ENSURE DURING THE CONSTRUCTION PROCESS THAT A SMOOTH TRANSITION CAN BE MADE FROM THE EXISTING PAVING TO THE PROPOSED PAVING. RECONSTRUCT EXISTING PAVING AT SUCH LOCATIONS IF NECESSARY.

SEALED WELL: WELL SHOULD BE AT A HEIGHT TO ACCOMMODATE PROPOSED SITE IMPROVEMENTS WITHOUT CONFLICT. IF CONFLICT MAY OCCUR, CONTRACTOR SHALL NOTIFY Project Manager BY PHONE AND IN WRITING AS SOON AS CONFLICT IS IDENTIFIED.

DRAINAGE: RETAIN DRAINAGE THROUGH EXISTING SWALE TO THE NORTH OF EL DORADO TRAIL THROUGHOUT CONSTRUCTION. REMOVE EXISTING CULVERT NO MORE THAN ONE DAY PRIOR TO INSTALLATION OF NEW OR TEMPORARY CULVERT TO MAINTAIN DRAINAGE OF SWALE THROUGHOUT CONSTRUCTION.
STOCKPILED SOIL: STOCKPILED SOIL SHALL BE REMOVED FROM THE EXISTING LOCATION AND ALL ORGANIC MATTER, DEBRIS, AND LARGE ROCKS SHALL BE REMOVED FROM ORIGINAL NATIVE SOIL SURFACE. SEE SPECIFICATIONS FOR SATISFACTORY SOIL MATERIAL REQUIREMENTS.

DISPOSAL: LEGALLY DISPOSE OF ALL DEMOLISHED MATERIALS OFFSITE AT THE APPROPRIATE RECYCLING CENTER OR LANDFILL.

TREE PROTECTION FENCING

GENERAL: IMPLEMENT ALL TREE PROTECTION REQUIREMENTS OF MITIGATION MEASURE BIO 7B, SEE SHEET NO1.

FENCING: WHENEVER POSSIBLE, FENCE MULTIPLE TREES TOGETHER IN A SINGLE TPZ. FOR TREES LOCATED AROUND THE PERIMETER OF THE WORK SITE, TREE PROTECTION FENCING SHALL BE PLACED ONLY ON THE SIDE OF THE TREE FACING THE PROJECT AREA PER PLANS.

WORK WITHIN TREE PROTECTION FENCE (TPF): IF TEMPORARY IMPACTS (E.G. DEMOLITION, IRRIGATION INSTALLATION, SEEDING) REQUIRE ENCROACHMENT INTO THE TPF, MOVE FENCE TO LIMIT OF WORK DURING ACTIVE CONSTRUCTION OF ITEM AND RETURN TO LOCATION SHOWN ON PLANS ONCE WORK IS COMPLETED. PLACE 6-8" WOOD MULCH INSIDE TREE PROTECTION FENCE WHERE CONSTRUCTION ACCESS IS NEEDED. REMOVE MULCH AT COMPLETION OF WORK; UP TO 6" OF MULCH MAY REMAIN IN PLACE, IN AREAS WHERE NO OTHER GROUND TREATMENT IS SHOWN ON PLANS. PLACE MULCH 1' FROM TRUNK OF PRESERVED TREES. INSTALL ADDITIONAL TEMPORARY FENCING AT LIMITS OF REQUIRED ACCESS AND ADJUST AS WORK PROGRESSES. IRRIGATION AND UTILITY TRENCHES, WHERE NECESSARY, SHALL BE TRENCHED BY HAND AND LOCATED AT BACK OF WALK WHEN FEASIBLE. AVOID CUTTING ROOTS OVER 2" IN DIAMETER TO THE GREATEST EXTENT FEASIBLE.

REMOVAL: FENCING SHALL BE REMOVED FOLLOWING CONSTRUCTION UPON APPROVAL OF THE PROJECT MANAGER.

DEMOLITION LEGEND

- RESTRICTED AREA, CLEAR ONLY AREAS REQUIRED FOR GRADING AND INSTALLATION OF FENCE, STORM DRAIN OUTFALL, AND LIGHTS. DO NOT GRUB OR DRIVE VEHICLES INTO AREA
- PROTECTED AREA, MANUALLY CLEAR ANY REMAINING VEGETATION, DO NOT GRUB OR DRIVE VEHICLES INTO AREA
- TREE PROTECTION FENCING (5/35)
- TREES TO BE PROTECTED
- PROPERTY LINE

REVISION/ISSUE	BY

DEMOLITION PLAN

OLD DEPOT BIKE PARK
EL DORADO COUNTY

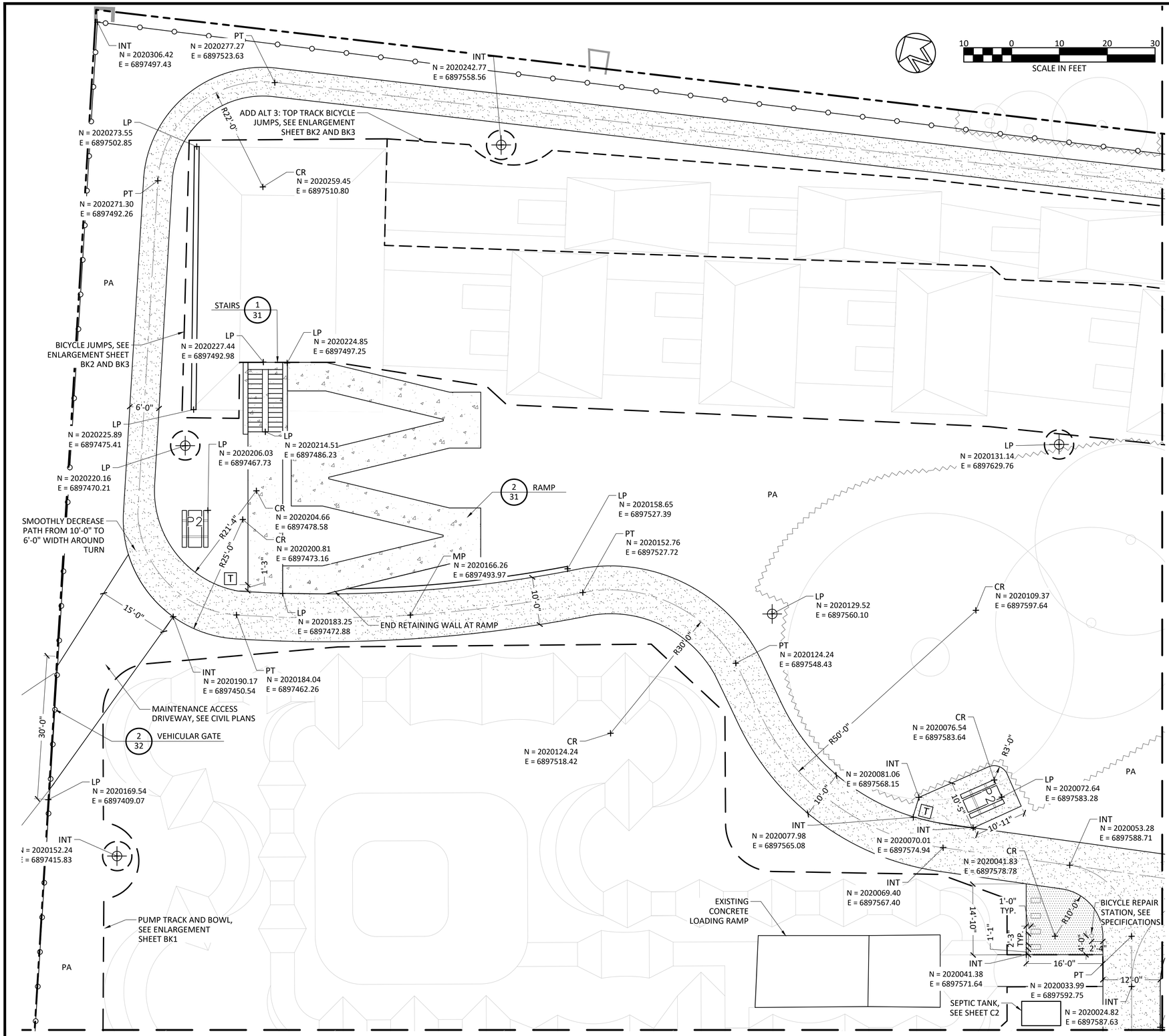
LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
JEREMIAH M. BRANSTAD LA 5725
Signed 7/31/2022
Planning Date 5/14/2021
Date
STATE OF CALIFORNIA

11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

HELIX Environmental Planning

DRAWN BY	JLL, CBH
DATE	05/14/2021
SCALE	AS SHOWN
JOB NUMBER	CED-04
SHEET	DM1 3 of 37



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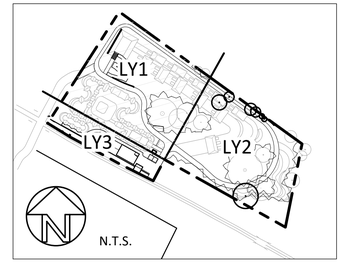

LAYOUT LEGEND

PT
N = 14417.41
E = 35655.27 — COORDINATE POINT

CR	CENTER OF RADIUS
INT	POINT OF INTERSECTION
LP	LOCATION POINT
MP	MIDPOINT
PA	PLANTING AREA
PT	POINT OF TANGENCY

- CENTER LINE
- ENLARGEMENT
- CHAINLINK FENCE (1/32)
- TREE PROTECTION FENCE
- PROPERTY LINE
- PUMP TRACK ASPHALT, PER SHEET C3
- CONCRETE (4/30)
- CRUSHED GRAVEL (3/30)
- P2 — 92" PICNIC TABLE, ALIGN WITH EDGE OF PAD, SEE SPECIFICATIONS
- T — DISPOSAL RECEPTACLE, ALIGN WITH EDGE OF PAVING, SEE SPECIFICATIONS
- BIKE RACK, ALIGN WITH EDGE OF PAVING, SEE SPECIFICATIONS
- LIGHT POST, SEE ELECTRICAL ENGINEER'S PLANS
- ADD ALT 4: LIGHT POST, SEE ELECTRICAL ENGINEER'S PLANS

* SEE LY3 FOR CONSTRUCTION NOTES

REVISION/ISSUE	BY

LAYOUT PLAN

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH M. BRANSTAD
No. 6175
7/31/2022
Revised Date 5/14/2021
Date
STATE OF CALIFORNIA

HELIX Environmental Planning
11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

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DATE	05/14/2021
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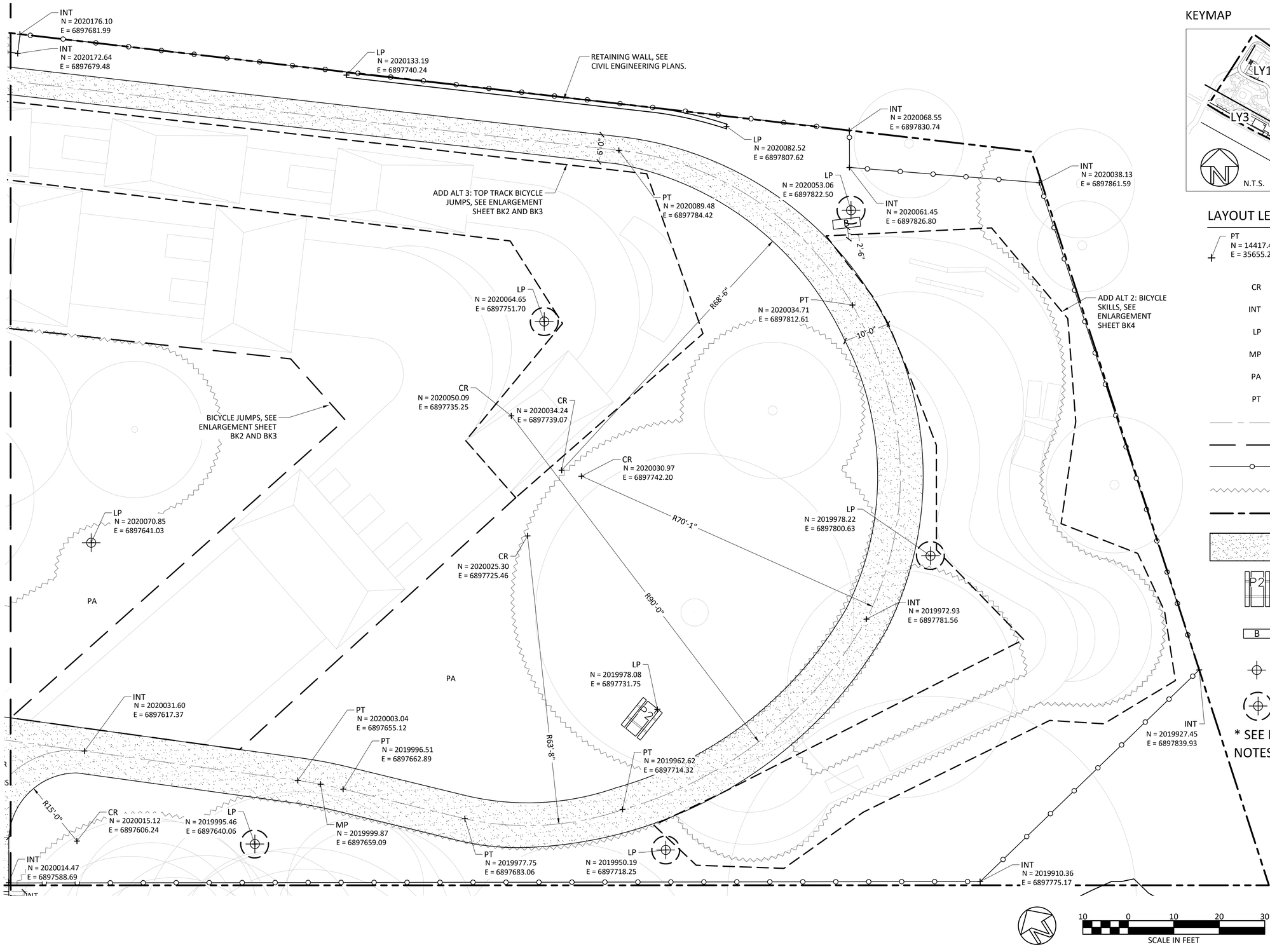

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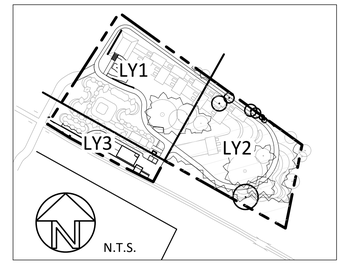

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- LP — LOCATION POINT
- MP — MIDPOINT
- PA — PLANTING AREA
- PT — POINT OF TANGENCY
- CENTER LINE
- ENLARGEMENT LIMIT
- CHAINLINK FENCE (1/32)
- TREE PROTECTION FENCE
- PROPERTY LINE
- CRUSHED GRAVEL (3/30)
- P2 — 92" PICNIC TABLE, CONFIRM LOCATION WITH PROJECT MANAGER, SEE SPECIFICATIONS
- B — BENCH, ALIGN WITH PATH, CONFIRM LOCATION WITH PROJECT MANAGER, SEE SPECIFICATIONS
- LIGHT POST, SEE ELECTRICAL ENGINEER'S PLANS
- ADD ALT 4: LIGHT POST, SEE ELECTRICAL ENGINEER'S PLANS

* SEE LY3 FOR CONSTRUCTION NOTES

REVISION/ISSUE	BY

LAYOUT PLAN

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH M. BRANSTAD No. 5727
7/31/2022
Renewal Date
5/14/2021
Date
STATE OF CALIFORNIA

1 1 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
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HELIX *Environmental Planning*

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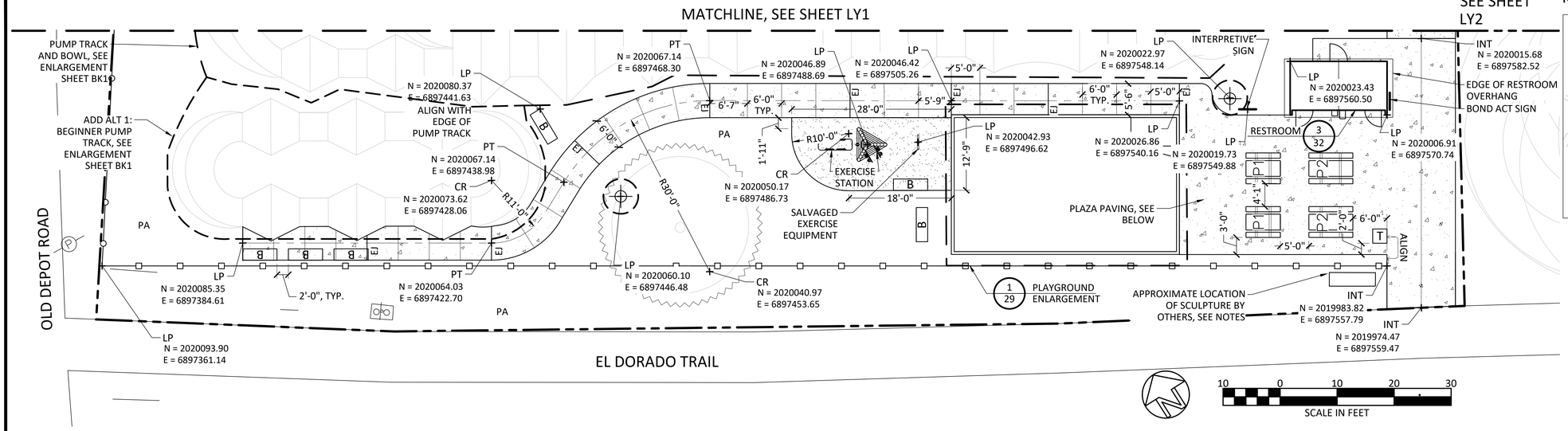

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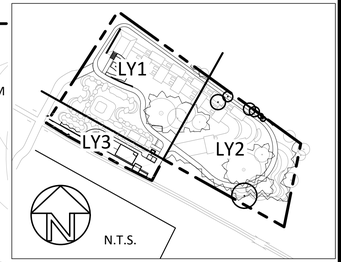

CONSTRUCTION NOTES

SPECIFICATIONS: SEE TECHNICAL SPECIFICATIONS AND GENERAL NOTES FOR ADDITIONAL INFORMATION INCLUDING UTILITIES VERIFICATION, PROTECTION, AND RESTORATION INFORMATION AND REQUIREMENTS.

DIMENSIONS: ALL WRITTEN DIMENSIONS SUPERSEDE SCALED DIMENSIONS.

LAYOUT: SEE PLANS FOR COORDINATE LOCATIONS AND ASSOCIATED DATA. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING. THE CONTRACTOR SHALL CONTACT THE CLIENT REPRESENTATIVE BY TELEPHONE AND IN WRITING FOR CLARIFICATION OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND PLANS PRIOR TO PROCEEDING WITH WORK. ALL FIELD ADJUSTMENTS MUST BE APPROVED BY THE CLIENT REPRESENTATIVE IN WRITING PRIOR TO INSTALLATION.

EXPANSION JOINTS: CONTRACTOR SHALL INSTALL EXPANSION JOINTS AS SHOWN ON DRAWINGS, AS WELL AS BETWEEN CONCRETE PAVING, WALLS, CURBS, EXISTING PAVING, AND STRUCTURES.

SLEEVING: REFER TO IRRIGATION PLAN FOR REQUIREMENTS OF SLEEVING UNDER PAVING.

SOIL COMPACTION: COMPACT ALL PLANTING AREAS TO 85% R.D. IN LIFTS OF 12 INCH MAXIMUM. COMPACT ALL OTHER AREAS TO 95% R.D. IN LIFTS OF 12 INCH MAXIMUM OR AS REQUIRED IN PLANS OR SPECIFICATIONS.

TRENCH BACKFILL: SEE SPECIFICATIONS.

GRADING: PROVIDE POSITIVE DRAINAGE THROUGHOUT ALL PAVING AND PLANTING AREAS. CONTRACTOR SHALL FLOOD PAVED AREAS UPON COMPLETION AND RECONSTRUCT ANY LOW SPOTS BY REMOVING PAVING THAT DOES NOT DRAIN AND REPLACING IT WITH POSITIVELY DRAINING PAVING AT NO ADDITIONAL COST AS DIRECTED BY THE OWNER.

EROSION CONTROL: THE CONTRACTOR IS RESPONSIBLE FOR SOIL EROSION CONTROL MEASURES THAT MAY BE REQUIRED THROUGH THE DURATION OF THE CONTRACT PERIOD. REFER TO PROJECT SWPPP. SHOULD SOIL EROSION CONDITIONS EXIST THAT REQUIRE MITIGATION WHEN THE CONTRACTOR INITIALLY ACCEPTS THE SITE, THE CLIENT REPRESENTATIVE SHALL BE ALERTED BY TELEPHONE AND IN WRITING. FAILURE OF THE CONTRACTOR TO NOTIFY THE CLIENT REPRESENTATIVE IMPLIES ACCEPTANCE OF THE SITE BY THE CONTRACTOR IN ITS EXISTING CONDITION. ALL COSTS NECESSARY TO MITIGATE EXISTING EROSION PROBLEMS SHALL BE AT THE CONTRACTOR'S EXPENSE AND NO ADDITIONAL COST TO THE OWNER OR INCREASE IN ORIGINAL BID AMOUNT SHALL BE PERMITTED.

SCULPTURE: CONTRACTOR SHALL INSTALL FOOTINGS, FOUNDATIONS, PAVING, AND ANCHOR MATERIALS AS REQUIRED FOR SCULPTURE. SCULPTURE DESIGN, FABRICATION, AND INSTALLATION BY OTHERS. SEE SPECIFICATIONS FOR FOR MORE INFORMATION.

SITE FURNISHINGS: INSTALL PER MANUFACTURER SPECIFICATIONS UNLESS OTHERWISE INDICATED. UNLESS SPECIFICALLY DIMENSIONED IN DRAWINGS OR SPECIFICATIONS, FOOTING DEPTHS SHALL CONFORM TO MANUFACTURER SPECIFICATIONS.

FOOTINGS: IF FOOTINGS CANNOT BE INSTALLED PER PLANS, CONTRACTOR SHALL PROPOSE ALTERNATE FOOTING INSTALLATION FOR PROJECT MANAGER APPROVAL.

SIGNS: SEE SPECIFICATIONS FOR MORE INFORMATION REGARDING INTERPRETIVE SIGN AND BOND ACT SIGN.

LAYOUT LEGEND

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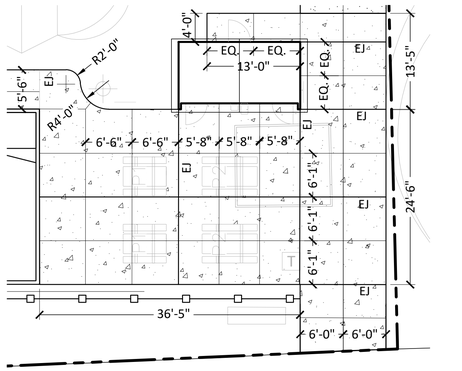
- INT — POINT OF INTERSECTION
- LP — LOCATION POINT
- PA — PLANTING AREA
- PT — POINT OF TANGENCY
- CENTER LINE
- ENLARGEMENT
- CHAINLINK FENCE (1/32)
- CONCRETE FENCE (5/30)
- TREE PROTECTION FENCE
- PROPERTY LINE
- CONCRETE (4/30)
- CRUSHED GRAVEL (3/30)
- P1 — 6' PICNIC TABLE, ALIGN WITH EDGE OF PAVING, SEE SPECIFICATIONS
- P2 — 92" PICNIC TABLE, ALIGN WITH EDGE OF PAVING, SEE SPECIFICATIONS
- B — BENCH, ALIGN WITH EDGE OF PAVING, SEE SPECIFICATIONS
- T — DISPOSAL RECEPTACLE, ALIGN WITH EDGE OF PAVING, SEE SPECIFICATIONS
- ADD ALT 4: LIGHT POST, SEE ELECTRICAL ENGINEER'S PLANS



PLAZA PAVING PLAN

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SCALE IN FEET

REVISION/ISSUE | BY

LAYOUT PLAN

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH M. BRANSTAD
7/31/2022
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HELIX Environmental Planning

DRAWN BY JLL, CBH
DATE 05/14/2021
SCALE AS SHOWN
JOB NUMBER CED-04
SHEET LY3 6 of 37

LAYOUT LEGEND

PT N 14417.41 E 35655.27 — COORDINATE POINT

PA — PLANTING AREA

PT — POINT OF TANGENCY

INT — POINT OF INTERSECTION

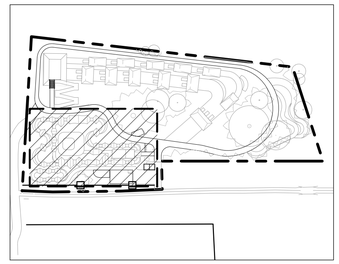
CR — CENTER OF RADIUS

TREE PROTECTION FENCE

RUBBER SURFACING, PER SHEET C3

PUMP TRACK ASPHALT PER SHEET C3

KEYMAP



PUMP TRACK AND BOWL

PT N = 2020176.97 E = 6897442.65

5'-0" TYP.

10'-0" TYP.

PT N = 2020157.87 E = 6897466.56

INT N = 2020159.99 E = 6897473.27

PT N = 2020152.73 E = 6897486.36

15'-0" TYP.

12'-9" TYP.

5'-0" TYP.

15'-0" TYP.

PT N = 2020128.49 E = 6897530.07

5'-0" TYP.

3'-3" TYP.

BANKED TURN, TYP.

+1.5'

+1'

+2'

+1

R10'-10"

R7'-2"

R11'-10"

PT N = 2020155.18 E = 6897456.94

CR N = 2020166.34 E = 6897440.67

PT N = 2020159.88 E = 6897432.00

CR N = 2020151.75 E = 6897463.13

PT N = 2020157.57 E = 6897477.64

PT N = 2020155.17 E = 6897481.97

PT N = 2020145.46 E = 6897499.46

PT N = 2020138.22 E = 6897512.59

PT N = 2020135.76 E = 6897516.95

PT N = 2020133.34 E = 6897521.32

CR N = 2020120.40 E = 6897521.43

PT N = 2020108.68 E = 6897519.83

PT N = 2020113.52 E = 6897511.09

CR N = 2020101.31 E = 6897509.46

PT N = 2020093.62 E = 6897500.04

PA

PT N = 2020151.15 E = 6897436.86

CR N = 2020144.75 E = 6897426.88

PT N = 2020132.97 E = 6897428.20

PT N = 2020133.47 E = 6897418.21

PT N = 2020117.73 E = 6897436.16

CR N = 2020117.97 E = 6897418.92

CR N = 2020106.48 E = 6897439.88

R15'-6"

R8'-8"

PT N = 2020110.98 E = 6897432.41

PT N = 2020094.80 E = 6897432.18

PT N = 2020099.46 E = 6897434.74

10'-0" TYP.

5'-0" TYP.

10'-2" TYP.

20'-2" TYP.

EDGE OF BOWL

R5'-0" TYP.

R10'-0" TYP.

20'-0"

40'-0"

PT N = 2020112.50 E = 6897472.96

PT N = 2020104.45 E = 6897487.48

PT N = 2020126.01 E = 6897448.60

INT N = 2020094.54 E = 6897481.87

INT N = 2020091.23 E = 6897477.50

PT N = 2020085.08 E = 6897488.60

10'-0"

9'-2"

6'-6"

7'-0" TYP.

10'-8" TYP.

EXISTING CONCRETE LOADING RAMP +3'

RAMP PATH UP TO BE LEVEL WITH LOADING RAMP

12'-2"

7'-0", TYP.

R7'-1"

PT N = 2020059.71 E = 6897561.26

CR N = 2020053.51 E = 6897557.88

PT N = 2020049.33 E = 6897563.53

PT N = 2020047.22 E = 6897561.16

PT N = 2020033.55 E = 6897585.62

PT N = 2020027.76 E = 6897582.39

PT N = 2020041.43 E = 6897557.92

PT N = 2020038.26 E = 6897557.44

CR N = 2020040.93 E = 6897550.84

PT N = 2020034.72 E = 6897547.38

PT N = 2020109.50 E = 6897405.92

PT N = 2020103.15 E = 6897394.50

2'-4" TYP.

BANK TURNS, TYP.

5'-0" TYP.

R7'-6"

CR N = 2020096.59 E = 6897390.86

PT N = 2020090.03 E = 6897387.22

INT N = 2020094.70 E = 6897437.78

PT N = 2020083.72 E = 6897429.52

PT N = 2020085.13 E = 6897455.29

PT N = 2020084.14 E = 6897460.45

PT N = 2020075.94 E = 6897473.06

PT N = 2020079.22 E = 6897469.16

PT N = 2020063.82 E = 6897494.92

PT N = 2020056.47 E = 6897507.93

PT N = 2020061.99 E = 6897505.28

PT N = 2020064.40 E = 6897500.93

CR N = 2020077.09 E = 6897425.98

PT N = 2020070.61 E = 6897422.25

ADD ALT 1: BEGINNER PUMP TRACK

PA

NOTES

1. ALL SPOT ELEVATIONS ARE RELATIVE TO FINISH GRADE SHOWN ON C5.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING ANY PROPOSED DESIGN CHANGES FOR APPROVAL PRIOR TO CONSTRUCTION OF PUMP TRACK AND BOWL AND BEGINNER PUMP TRACK. IF NO DESIGN CHANGES ARE REQUESTED, SHOP DRAWINGS ARE NOT REQUIRED.

8 0 8 16 24

SCALE IN FEET

REVISION/ISSUE	BY

PUMP TRACK ENLARGEMENT

OLD DEPOT BIKE PARK

EL DORADO COUNTY

ACTION SPORTS CONSTRUCTION

ASC

DRAWN BY JLL

DATE 5/14/2020

SCALE AS SHOWN

JOB NUMBER CED-04

SHEET BK1 7 of 37

LAYOUT LEGEND

PT
N 14417.41
E 35655.27 — COORDINATE POINT

PA — PLANTING AREA

PT — POINT OF TANGENCY

INT — POINT OF INTERSECTION

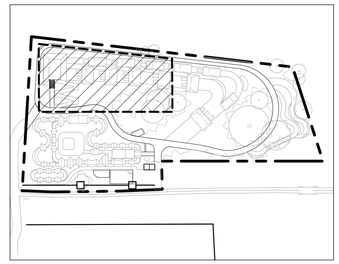
CR — CENTER OF RADIUS

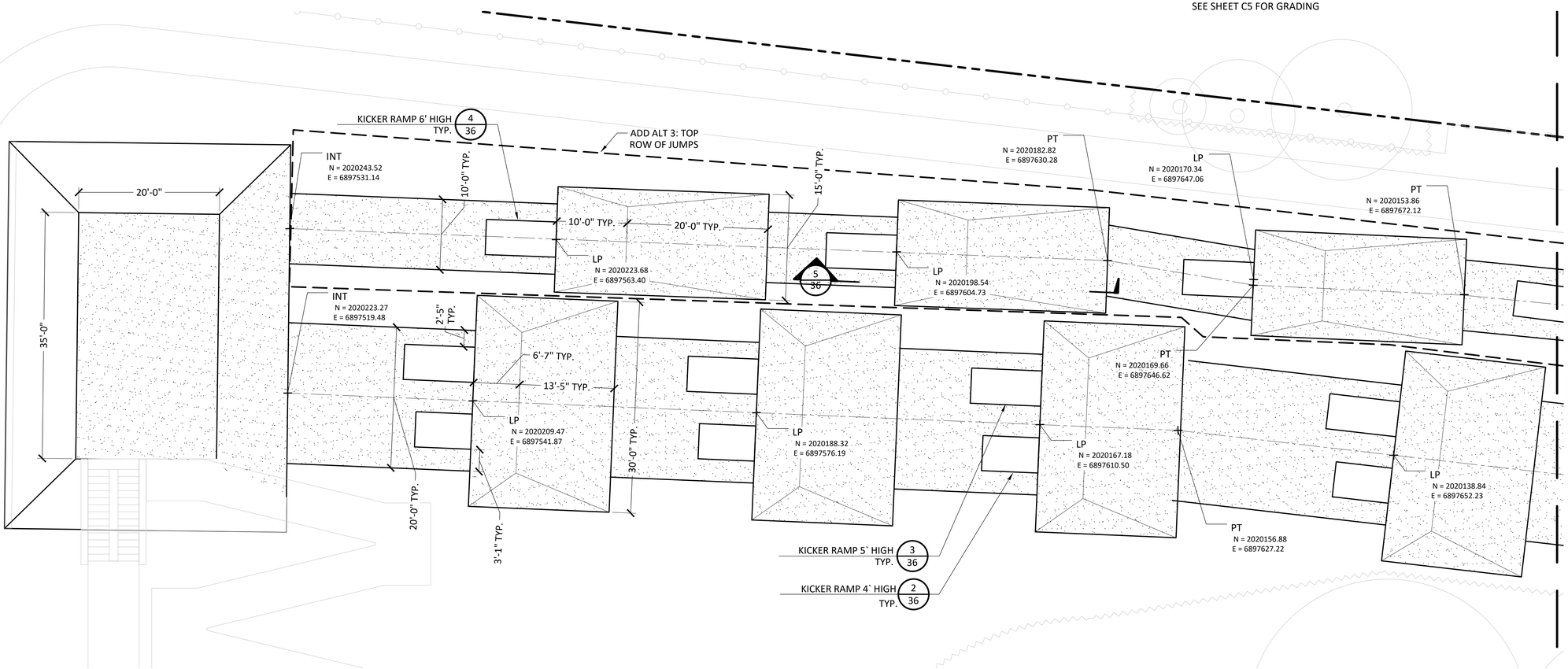
TREE PROTECTION FENCE

CRUSHED GRAVEL (3/30)

SEE SHEET C5 FOR GRADING

KEYMAP





8 0 8 16 24
SCALE IN FEET

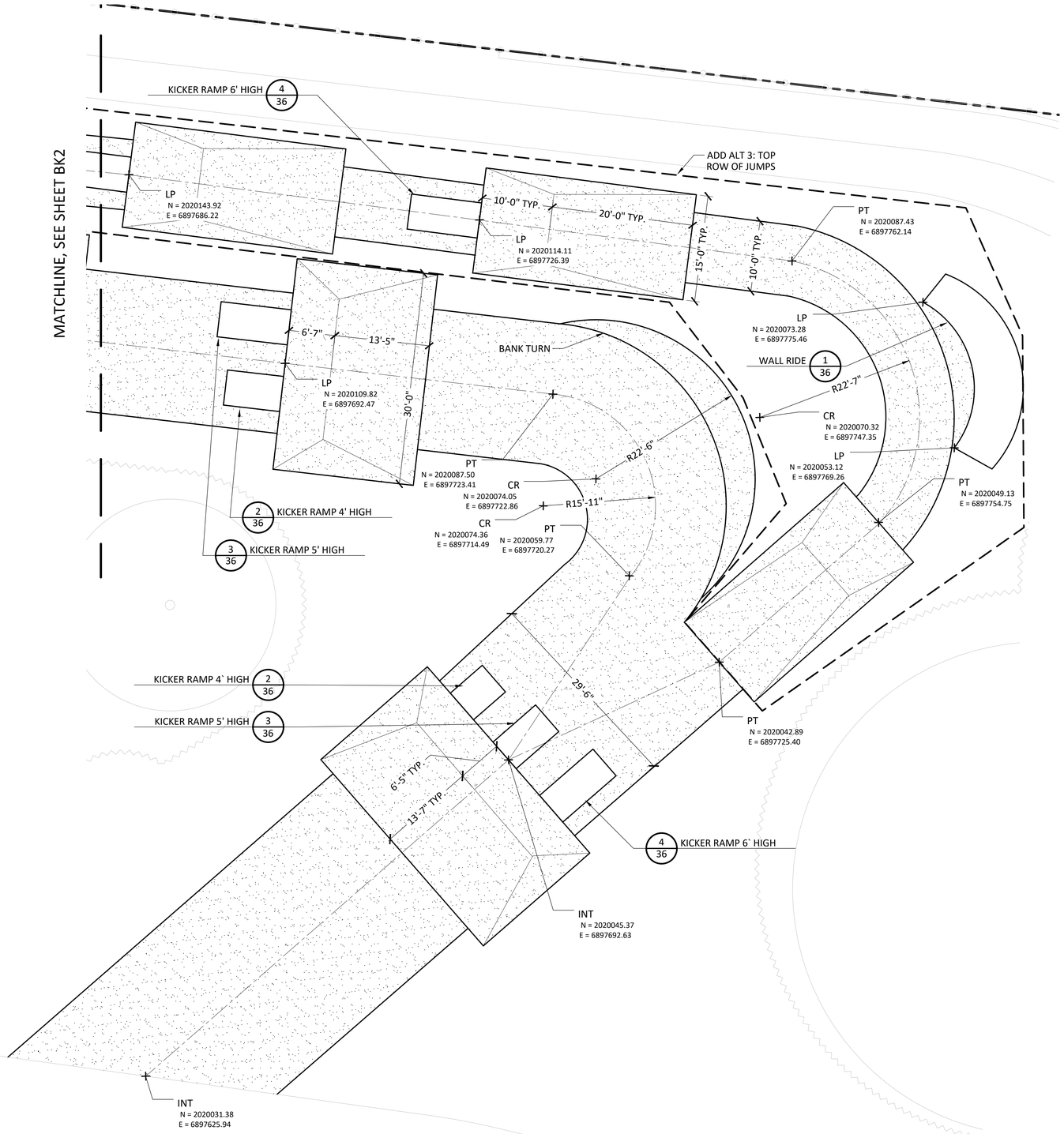
REVISION/ISSUE	BY

JUMP TRACK ENLARGEMENT

OLD DEPOT BIKE PARK
EL DORADO COUNTY

ACTION SPORTS CONSTRUCTION

DRAWN BY: JLL
DATE: 5/14/2020
SCALE: AS SHOWN
JOB NUMBER: CED-04
SHEET: BK2
8 of 37

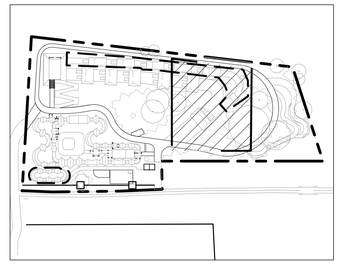


LAYOUT LEGEND

PT N 14417.41 E 35655.27	COORDINATE POINT
PA	PLANTING AREA
PB	POINT OF BEGINNING
PT	POINT OF TANGENCY
INT	POINT OF INTERSECTION
CR	CENTER OF RADIUS
	TREE PROTECTION FENCE
	CRUSHED GRAVEL 3/30

SEE SHEET C5 FOR MASS GRADING, THIS SHEET FOR FINE GRADING

KEYMAP



8 0 8 16 24

SCALE IN FEET

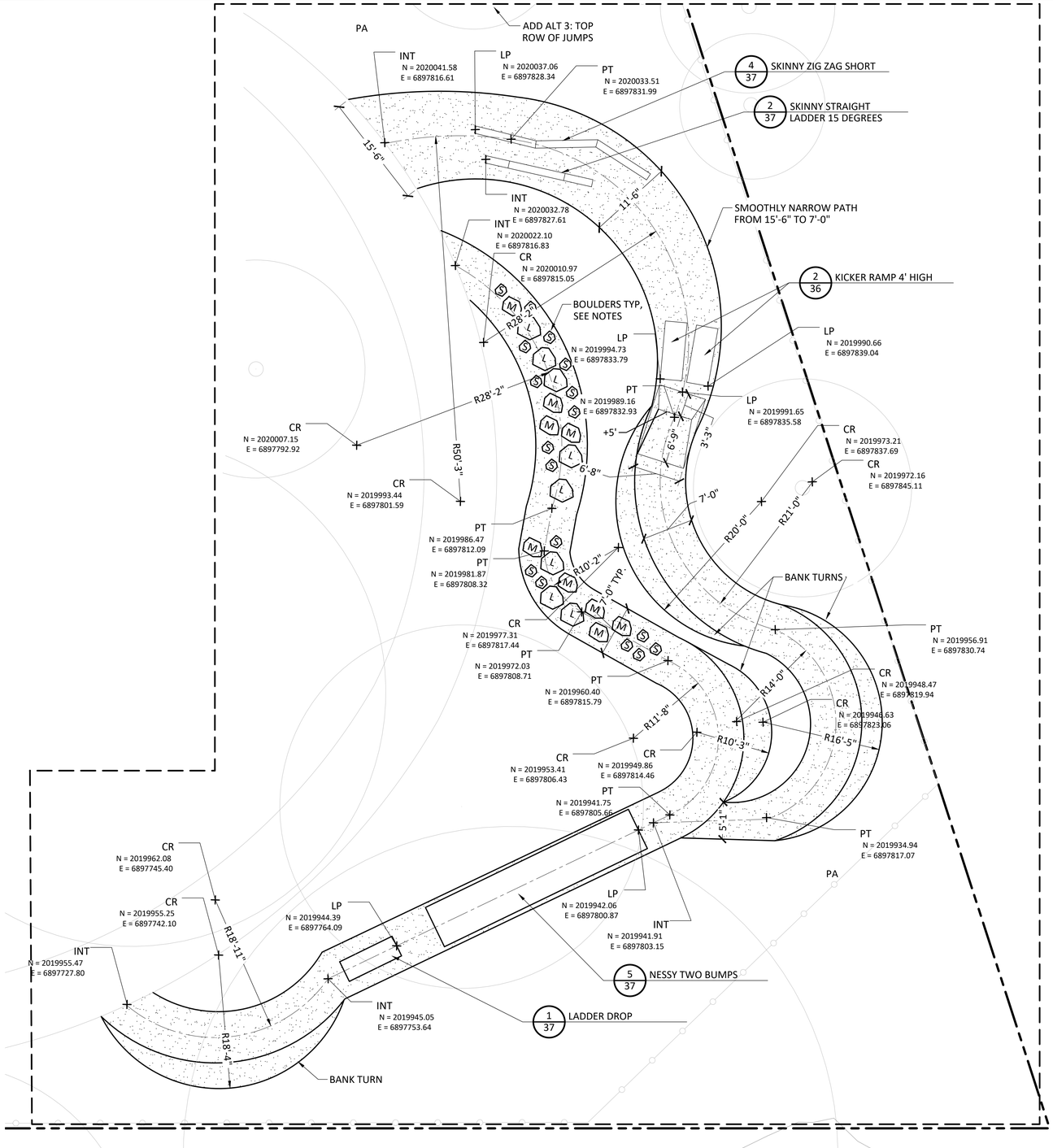
REVISION/ISSUE	BY

JUMP TRACK ENLARGEMENT

OLD DEPOT BIKE PARK
EL DORADO COUNTY

ACTION SPORTS CONSTRUCTION

DRAWN BY JLL
DATE 5/14/2020
SCALE AS SHOWN
JOB NUMBER CED-04
SHEET BK3 9 of 37

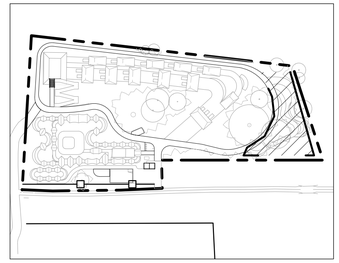


LAYOUT LEGEND

PT N 14417.41 E 35655.27	COORDINATE POINT
PA	PLANTING AREA
PB	POINT OF BEGINNING
PT	POINT OF TANGENCY
INT	POINT OF INTERSECTION
CR	CENTER OF RADIUS
	TREE PROTECTION FENCE
	CRUSHED GRAVEL 3/30
L	LARGE BOULDER, FOR BOULDERS SEE 3/37
M	MEDIUM BOULDER
S	SMALL BOULDER

SEE SHEET C5 FOR MASS GRADING, THIS SHEET FOR FINE GRADING

KEYMAP



8 0 8 16 24
SCALE IN FEET

REVISION/ISSUE	BY

SKILLS TRACK ENLARGEMENT

OLD DEPOT BIKE PARK
EL DORADO COUNTY

ACTION SPORTS CONSTRUCTION

DRAWN BY JLL
DATE 5/14/2020
SCALE AS SHOWN
JOB NUMBER CED-04
SHEET BK4 10 of 37

NOTICE TO CONTRACTORS

CONTRACTOR TO NOTIFY U.S.A. (UNDERGROUND SERVICE ALERT) AT 800-227-2600 A MINIMUM OF 24 HOURS BEFORE BEGINING UNDERGROUND WORK FOR VERIFICATION OF THE LOCATION OF EXISTING UNDERGROUND UTILITIES.

DIGALERT

DIAL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG

UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

EARTHWORK VOLUMES

CUT:	3000 CY
FILL:	3000 CY
BALANCE:	00 CY 00

NOTES:
ALL QUANTITIES ARE ESTIMATES ONLY.
CONTRACTOR IS RESPONSIBLE FOR PROVIDING INDEPENDENT ESTIMATE.

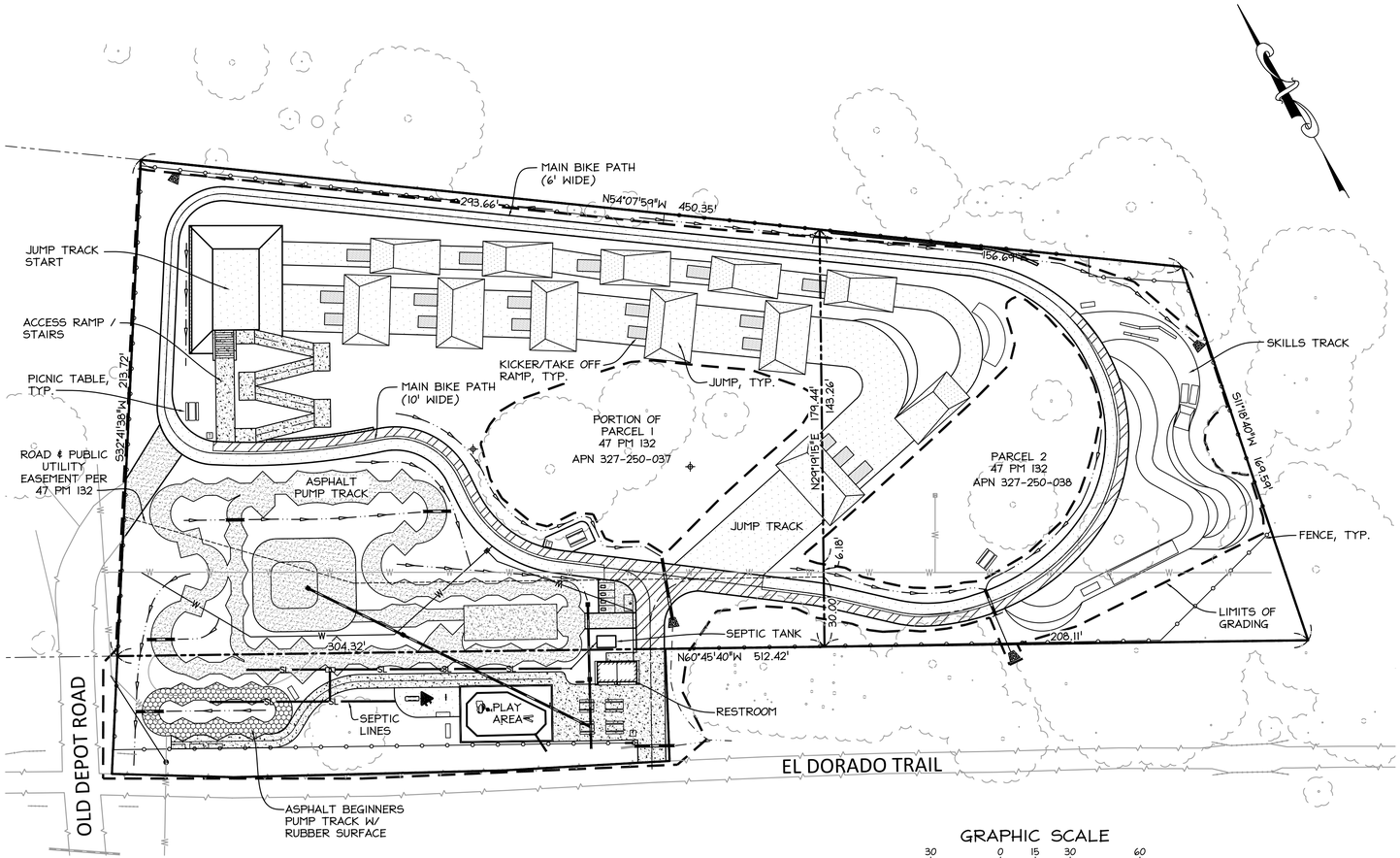
EARTHWORK QUANTITIES SHOWN ARE ESTIMATES ONLY AND MAY OR MAY NOT REPRESENT ACTUAL QUANTITIES ENCOUNTERED DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM EARTHWORK QUANTITIES PRIOR TO CONSTRUCTION.

UTILITY DISCLOSURE NOTE:

THE LOCATION, DISPOSITION, AND EXISTENCE OF ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND INTENDED AS A SCHEMATIC REPRESENTATION ONLY. THE CONTRACTOR IS WARNED THAT THESE PLANS MAY NOT BE A COMPLETE INVENTORY OF ALL EXISTING UTILITIES. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT ACTUAL LOCATIONS AND DEPTHS OF ALL EFFECTED UTILITIES PRIOR TO CONSTRUCTION.

SQUARE FOOTAGE	
ASPHALT CONCRETE (AC)	2800± SQFT
AGGREGATE BASE (AB)	20000± SQFT
PERMEABLE PAVEMENT (PP)	6500± SQFT
PORTLAND CEMENT CONCRETE (PCC)	2800± SQFT

NOTE
FOR ADD ALTERNATIVES, SEE SHEET LY1



SITE PLAN
SCALE: 1"=30'

GRAPHIC SCALE
30 0 15 30 60
1 INCH = 30 FEET

BASIS OF BEARING

THE BASIS OF BEARING IS THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE II (EPOCH 2010.00) AS DETERMINED LOCALLY BY GPS SURVEY MEASUREMENTS AND LEAST SQUARES ADJUSTMENT.

DATUM

NAVD88

LEGEND

LINETYPE	DESCRIPTION
	PROPERTY LINE (SUBJECT)
	PROPERTY LINE (ADJACENT)
	EASEMENTS
	BUILDING SETBACKS (AS NOTED)
	CENTERLINE
	LIMITS OF GRADING
	CONCRETE PAVING
	CRUSHED GRAVEL PATH
	CRUSHED GRAVEL PATH (ADA COMPLIANT)
	RUBBER SURFACE
	PUMP TRACK ASPHALT

UTILITY CONTACTS

GAS: PG&E
4636 MISSOURI FLAT ROAD
PLACERVILLE CA, 95667
(800) 743-5000

ELEC: PG&E
4636 MISSOURI FLAT ROAD
PLACERVILLE CA, 95667
(800) 743-5000

TELE: AT&T
3675 T STREET, ROOM 205, POB 15038
SACRAMENTO, CA 95851
(530) 888-2041

WATER: EI DORADO IRRIGATION DISTRICT
2890 MOSQUITO ROAD
PLACERVILLE, CA 95667
(530) 622-4513

FIRE: DIAMOND SPRINGS - EL DORADO FIRE PROTECTION DISTRICT
501 PLEASANT VALLEY ROAD
DIAMOND SPRINGS, CA 95619
(916) 652-6813

FLOOD CONTROL: EL DORADO COUNTY ENGINEERING
2850 FAIRLANE COURT
PLACERVILLE, CA 95667
(530) 621-5900

REVISION/ISSUE	BY

SITE PLAN

OLD DEPOT BIKE PARK
EL DORADO COUNTY

CIVIL ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER HERBERT C. LANGDON No. 24840 CIVIL STATE OF CALIFORNIA

Giuliani & Kull Auburn, Inc.
Engineers • Planners • Surveyors
Post Box 786, Auburn, CA 95604
(530) 885-5107 Fax (530) 885-5157
Auburn • San Jose • Oakdale • Sacramento

DRAWN BY GK
DATE 05/14/2021
SCALE 1"=20'
JOB NUMBER CED-04
SHEET C1
11 of 37

Standard General Notes - Roadwork, Grading and Drainage

1. Materials, construction quality, and methods for this project are subject to the County of El Dorado Design and Improvement Standards Manual Standard Plans, and the State of California Department of Transportation Standard Plans and Standard Specifications.

2. All work shall be accomplished to the satisfaction of the Director, County of El Dorado Department of Transportation or his authorized representative.

3. All reference to DOT shall mean the Director, County of El Dorado Department of Transportation, or his authorized representative.

4. All reference to the Standard Specifications shall mean the State of California Department of Transportation Standard Specifications dated July 2006

5. The Contractor shall have a responsible party, who shall have full authority to represent and act for the Contractor on site at all times during working hours.

6. The Contractor shall notify DOT 48 hours in advance of commencing work to schedule a pre-construction conference and inspection with the Engineer and DOT. No work shall begin until after the pre-construction conference and inspection have been completed.

7. The Contractor's attention is directed to section 7, "Legal Relations and Responsibility" of the Standard Specifications.

8. Rights to enter and construct shall be obtained prior to constructing any off-site work shown in these plans. Copies of such documents shall be kept on-site at all times during the performance of off-site work.

9. The Contractor shall contact Underground Service Alert (USA) 1-800-227-2600 prior to performing any excavation on the project site. The owner(s) of identified existing underground facilities shall also be contacted prior to construction.

10. The contractor shall not construct any work without adequate construction staking. As a minimum, the following staking shall be required: 1) clearing limits, 2) slope stakes, 3) water line stakes, 4) sewer line stakes, 5) storm drain stakes, 6) finished grade stakes. Additional staking may be required by DOT due to the nature and/or complexity of the work. Lost or damaged stakes shall be replaced to the satisfaction of DOT whether resulting from construction procedures, vandalism, or any other cause.

11. The Contractor's attention is directed to County of El Dorado Resolution No. 19991, which contains specific requirements for the protection and preservation of oak trees and wetlands. The Contractor shall remove only those trees shown on the plans to be removed. The Contractor shall install protective fencing at the drip line of all remaining trees within 50 feet of any grading, and otherwise comply with the provisions of said ordinance.

12. Construction hours shall be limited from Monday through Saturday, 7:00 a.m. to 7:00 p.m. (Or sunset), unless otherwise specified by separate agreement (Subdivision Grading Agreement, Subdivision Improvement Agreement, Road Improvement Agreement, etc.). All heavy equipment and any internal combustion engines shall be fitted with adequate mufflers.

13. The Contractor shall provide, place and maintain all lights, signs, delineators, barricades, temporary traffic striping, flagmen, detours or other devices necessary to provide for the safe and convenient passage of public vehicle and pedestrian traffic through the construction site.

14. The Contractor shall obtain the express written consent of DOT prior to implementing any lane closure or detour on a County maintained street or highway. All lane closures or detours shall conform to Chapter 5, "Traffic Controls for Construction and Maintenance Work Zones" of the State of California Department of Transportation Traffic Manual (latest edition).

15. The Contractor shall be responsible for Dust Control during construction. At least one water truck shall be on site at all times. Additional equipment may be required as determined by DOT.

16. The Contractor shall obtain an approved fugitive dust control plan, including provisions for asbestos hazard mitigation, if required, from the County of El Dorado Environmental Management Department prior to beginning of work.

17. If unusual amounts of stone, bone, or artifacts are uncovered during construction, all work shall be stopped within one hundred feet (100') of the find, and a qualified archaeologist consulted for an on-site evaluation.

18. If the presence of serpentine rock (SaF) is discovered during construction, the Contractor shall immediately notify the Owner, DOT and the El Dorado County Department of Environmental Management that serpentine rock is present on the site. Additionally, the Contractor shall implement the Asbestos Hazard Mitigation Provisions of the Fugitive Dust Plan prior to continuation of earthwork in areas where serpentine rock is present.

19. Upon job completion, it shall be the responsibility of the contractor to provide information to _____(Engineer), regarding any material changes made during construction as well as any other information required to be shown on the Record Drawings by DOT, the El Dorado Irrigation District (EID), other utility companies, or other responsible agencies.

20. Clearing and Grubbing shall conform to the provisions of section 16, "Clearing and Grubbing" of the Standard Specifications. Roots, stumps, trees, rocks or other deleterious substances shall be disposed of off-site and in a lawful manner.

Standard General Notes - Roadwork, Grading and Drainage

21. Earthwork shall conform to the provisions of Section 19, "Earthwork" of the Standard Specifications. Widening of embankments and flattening of slopes, which result in an increased area of grading, will not be permitted without express written approval of Project Manager.

22. Aggregate Base shall conform to the provisions of section 26, "Aggregate Base" of the Standard Specifications for Class 2 Aggregate Base, 3/4" maximum gradation. Aggregate base shall not be placed until the prior grading plane has been approved by Project Manager.

23. Asphalt Concrete shall conform to the provisions of section 39, "Asphalt Concrete" of the Standard Specifications for Type B Asphalt Concrete. Asphalt binder shall be Performance Grade 64-16. Aggregate for the top lift shall be 1/2" maximum, medium gradation. Aggregate for lower lifts shall be 3/4" maximum, medium gradation. Lift thickness shall conform to the provisions of section 39-6, "Spreading and Compaction" of the Standard Specifications. Asphalt concrete shall not be placed until the prior grading plane has been approved by DOT, and all utilities within the paved area have been placed, tested, and approved.

24. After acceptance of the final lift of asphalt concrete, and prior to the end of the warranty period, all roadways shall be fog sealed in accordance with Section 37-1, "Seal Coats" of the Standard Specifications. Asphaltic Emulsion shall be Slow-Setting Type, Grade SS1, conforming to the requirements of Section 94, "Asphaltic Emulsions" of the Standard Specifications. All projects that have re-striping due to traffic staging or new lane lines shall be sealed with a Type III Slurry Seal after the existing striping is removed by grinding or sandblasting or shall be overlaid.

25. Subgrade - When asphalt concrete or asphalt concrete base is to be placed on the grading plane, the grading plane at any point shall not vary more than 0.05 foot above or below the grade established by the Engineer. When subbase or base material (other than asphalt concrete base) is to be placed on the grading plane, the grading plane at any point shall not vary more than 0.05 foot above the grade established by the Engineer.

26. Precast concrete structures shall conform to Section 70-1.02H "Precast Concrete Structures" of the Standard Specifications.

27. Where type B drop inlets exceed 5 feet in height, reinforcing steel shall be installed as shown on the plan detail. Reinforcing steel shall be # 4 bars, installed in the vertical walls at 12" O.C. (both directions). 3" clearance shall be maintained from the outside face of the walls. Under no circumstances will type B drop inlets be allowed in excess of 8 feet in height.

28. Where any portion of the structure excavation for vertical concrete structures (manholes, inlets, vaults, etc.) is within the street, material used to backfill such structures shall conform to Section 19-3.06, "Structure Backfill" of the Standard Specifications. Compaction tests will be taken every 2-3 feet vertically. Where cast-inplace structures are placed against undisturbed native material, this requirement shall not apply.

29 All striping (centerline, edgelines, lanelines, channelizing lines, etc.) and all other pavement markings (limit lines, legends, crosswalk lines, arrows, legends, etc.) shall be thermoplastic, conforming to Caltrans Standard Specifications Section 84-2.

30. Before finalization of the project, the geotechnical engineer and the (Structural) design engineer, shall certify, respectively, that the walls on the plan were built in conformance with the respective geotechnical and structural recommendations for the project.

31. If blasting activities are to occur in conjunction with development, the developer shall ensure that such blasting activities are conducted in compliance with state and local regulations.

32. If burning activities are to occur during construction, the developer shall obtain the necessary burning permits form the California Department of Forestry and air pollution permits from the County prior to said burning activities.

33. Storm drains shall be televised when backfill reaches the point of 2 foot of compacted trench fill over the pipe. A copy of the videotape will be provided to the DOT inspector, and no paving over the pipe will be done without the inspector's authorization. Cost of televising will be included in the unit cost of construction.

34. Storm drains in public right-of-way, in irrevocable offers of dedications, or that are to be maintained by a zone of benefit (ZOB), service district (CSD), service area (CSA), or any other publicly administered agency will be of the following materials:
    a. Reinforced concrete pipe (RCP)
    b. High density polyethylene pipe (HDPE), 48" maximum
    c. Corrugated steel pipe, but only under the following circumstances
    (1) 48" maximum
    (2) Non-erosive flow velocities
    (3) Aluminized
    (4) Nominal thickness for 50 year life (AASHTO Designation M196)
    (5) Polymerized asphalt (Sec. 66-1.03 Caltrans) or 4" reinforced concrete pad in bottom third
    (6) In non-corrosive soils (including backfill)
    (7) Steel plate or steel arch with concrete or "soft" bottom.

35. Street name signs shall be installed at every intersection.

Standard General Notes - Roadwork, Grading and Drainage

36. The contractor shall furnish and install Type F-2 markers at both ends of culverts. The culvert markers shall have a two inch wide black strip at the top of the marker. Above elevations 3,000 feet, the contractor shall furnish and install Type F markers with snow pole brackets on all dikes at 100 foot intervals and at both ends of culverts. Above elevation 3,000 feet, the contractor shall install metal marker posts with snow pole brackets near each fire hydrant.

37. Contractor shall not start any utility work until a joint trench composite plan has been approved by the Transportation Department (water and sewer excepted). All utility work performed in the County right of way shall require an encroachment permit.

38. Water and sewer lines shall be tested and approved prior to placing pavement on the street.

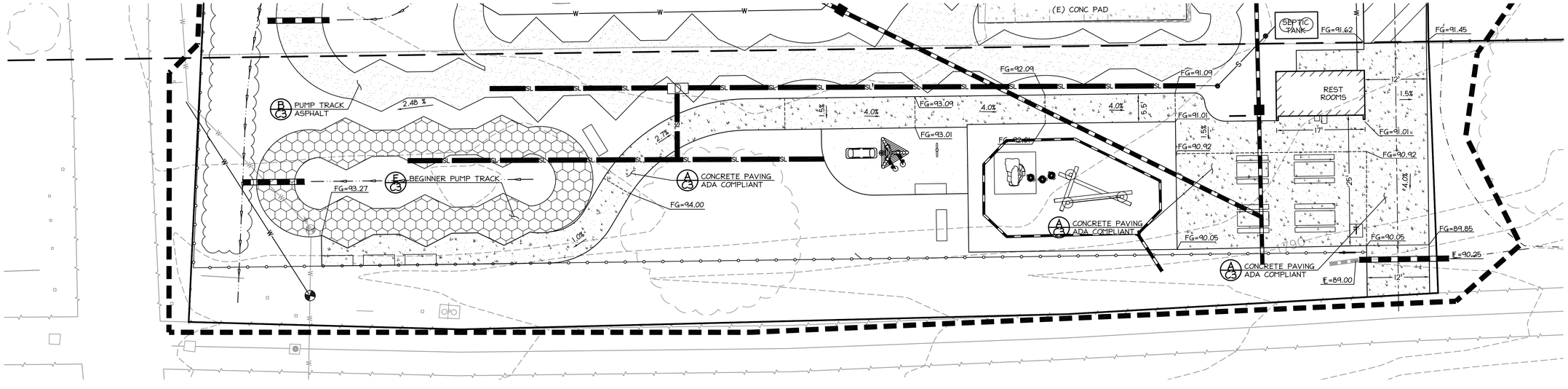
39. Omissions and errors on plans shall not be valid, and all codes and laws must be complied with by the Owner, Engineer and Contractor.

40. All new or reconstructed drainage inlets shall have a storm water quality message stamped into the concrete, conforming to Sacramento County Standard Drawing 11-10. All stamps shall be approved by the El Dorado County inspector prior to being used.

41. Import or export over 50 cubic yards to any off-site borrow or disposal site will require a separate grading permit for the off-site location.

42. In the event of the discovery of human remains, all work is to stop and the County Coroner shall be immediately notified pursuant to Section 7050.5 of the Health and Safety Code and Section 5097.98 of the Public Resources Code. If the remains are determined to be Native American, the Coroner must contact the Native American Heritage Commission within 24 hours. The treatment and disposition of human remains shall be completed consistent with guidelines of the Native American Heritage Commission.

GRAPHIC SCALE
10 0 5 10 20
1 INCH = 10 FEET



GRADING DETAIL
SCALE: 1"=10'

REVISION/ISSUE | BY

NOTES

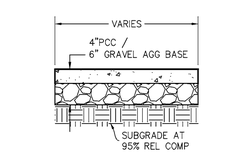
OLD DEPOT BIKE PARK
EL DORADO COUNTY

CIVIL ENGINEER OF RECORD

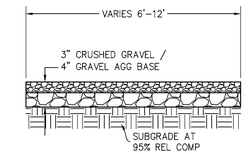
REGISTERED PROFESSIONAL ENGINEER
HERBERT C. LANGDON
No. 24840
CIVIL
STATE OF CALIFORNIA

Giuliani & Kull Auburn, Inc.
Engineers • Planners • Surveyors
Post Box 786, Auburn, CA 95604
(530) 885-5107 Fax (530) 885-5157
Auburn • San Jose • Oakdale • Sacramento

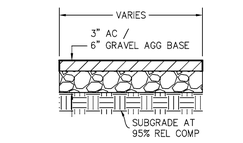
DRAWN BY: GK
DATE: 05/14/2021
SCALE: AS SHOWN
JOB NUMBER: CED-04
SHEET: C2
12 of 37



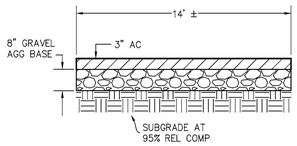
A CONCRETE PAVING
NTS



C CRUSHED GRAVEL PATH
NTS

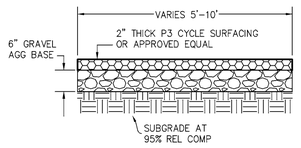


B PUMP TRACK ASPHALT
NTS



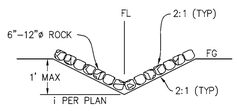
D MAINTENANCE ACCESS ASPHALT
NTS

ADDITIVE ALTERNATE #1

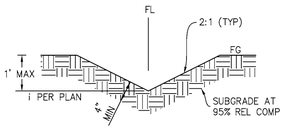


E RUBBER SURFACING
NTS

NOTE:
LOOSE ROCK FROM ON-SITE SCREENED STOCKPILED MATERIAL TO BE USED IN ROCK LINED DITCH



F ROCK LINED DITCH
SCALE: 1"=2'



G EARTH LINED DITCH
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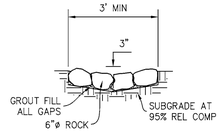
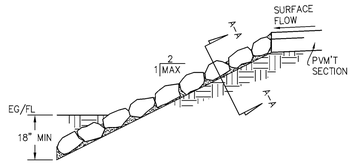
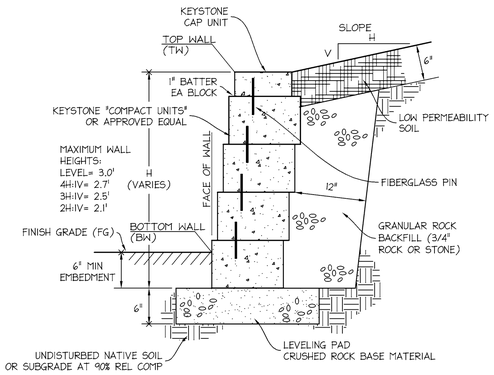


SECTION A-A

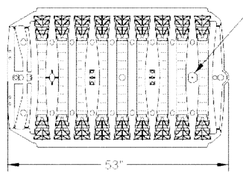


H ROCK LINED OUTFALL
NTS



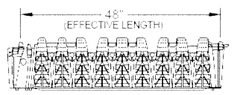
I KEYSTONE RETAINING WALL
3.0' > H > 0.5'
SCALE: 1"=1'

TOP VIEW

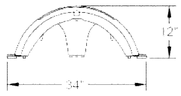


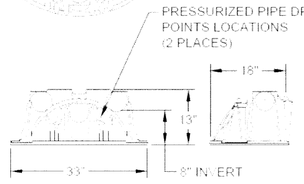
QUICK4 PLUS ALL-IN-ONE 12 END CAP

SIDE VIEW

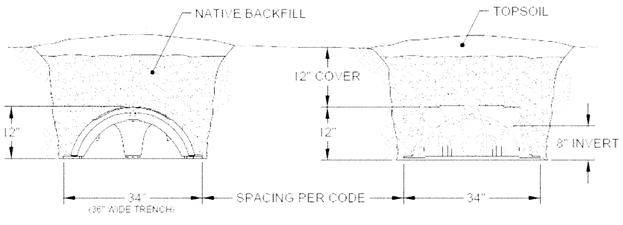


END VIEW





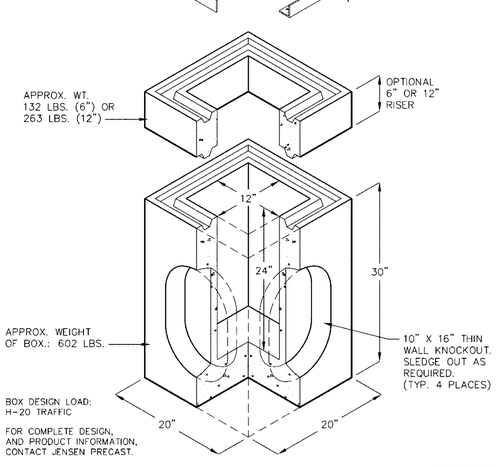
L QUICK PLUS STANDARD CHAMBER
NTS



M LEACHFIELD TRENCH DETAIL
NTS

1212-HDI

12" LONG x 12" WIDE x 24" HIGH DROP INLET WITH ADJUSTABLE FRAME & GRATE



11/30/00
DI1212-v2.dwg
© 2000 Jensen Precast

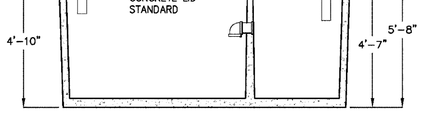
J STORM DRAIN INLET
NTS

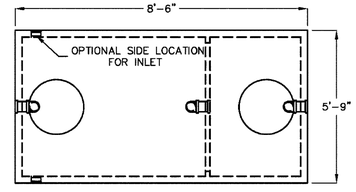
1200 GALLON RESIDENTIAL SEPTIC TANK

MODEL JS1200

NON-TRAFFIC ACCEPTED BY **UPC**

SIDE VIEW
CUTAWAY





TOP VIEW

- LIQUID CAPACITY: 1200 GALLONS
  TANK DESIGNED FOR NON-TRAFFIC USE WITH A MAXIMUM LOAD OF 500 PSF AND DRY SOIL CONDITIONS (WATER TABLE BELOW TANK). EARTH COVER OVER TANK NOT TO EXCEED 3'.
- THE PRECAST CONCRETE TANK SHALL BE PLACED ON LEVEL, UNDISTURBED SOIL OR APPROVED COMPACTED FILL.
- EFFLUENT FILTERS ARE AVAILABLE UPON REQUEST.
- FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN PRECAST.

MINIMUM EXCAVATION SIZE:
6'-9" X 9'-6" X DEPTH REQ'D.

10-01-03
JS1200_V.dwg
© 2003 Jensen Precast

K SEPTIC TANK
NTS

REVISION/ISSUE	BY

DETAILS

OLD DEPOT BIKE PARK
EL DORADO COUNTY

CIVIL ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER
HERBERT C. LANGDON
No. 24840
CIVIL
STATE OF CALIFORNIA

Giuliani & Kull Auburn, Inc.
Engineers • Planners • Surveyors
Post Box 786, Auburn, CA 95604
(530) 885-5107 Fax (530) 885-5157
Auburn • San Jose • Oakdale • Sacramento

DRAWN BY: GK
DATE: 05/14/2021
SCALE: 1"=20'
JOB NUMBER: CED-04
SHEET: C3
13 of 37

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EROSION CONTROL NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREVENT DISCHARGE OF SEDIMENT FROM THE SITE TO ANY WATERCOURSE, DRAINAGE SYSTEM, OR ADJACENT PROPERTY AND TO PROTECT WATERCOURSES AND ADJACENT PROPERTIES FROM DAMAGE FROM EROSION OR DEPOSITION, WHICH MAY RESULT FROM THE PERMITTED GRADING.

2. EROSION CONTROL SHALL BE PER THE SPECIFICATIONS AND DETAILS FROM THE "EROSION AND SEDIMENT CONTROL GUIDELINES FOR DEVELOPING AREAS OF THE SIERRA FOOTHILLS". PAGE REFERENCES TO THIS DOCUMENT ARE CITED WITH PARENTHESIS.

3. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE OR BE CAPABLE OF BEING IN PLACE WITHIN 24 HOURS. FAILURE TO COMPLY MAY RESULT IN IMMEDIATE SUSPENSION OF ALL GRADING ACTIVITIES WITHOUT PRIOR NOTICE.

4. ALL DISTURBED SLOPES GREATER THAN 10:1 SHALL BE BROADCAST WITH CLEAN, SMALL GRAIN STRAW (WHEAT, RICE, BARLEY, OAT) AT A RATE OF 3,000 LBS. PER ACRE (35 BALES PER ACRE) IF SEEDED AND 4,000 LBS. PER ACRE (50 BALES) IF UNSEEDED. SLOPES EQUAL TO OR GREATER THAN 3:1 SHALL HAVE STRAW PRESSED IN PLACE, BE TACKIFIED, OR HAVE EROSION "NETTING" INSTALLED ON TOP OF THE STRAW MULCH. EROSION CONTROL BLANKETS MAY BE USED IN LIEU OF STRAW MULCH WITH NETTING.

5. ALL BARE AREAS WITHIN 50 FEET OF NATURAL DRAINAGES SHALL BE COVERED WITH STRAW MULCH AT THE RATE OF 4,000 LBS. PER ACRE IF UNSEEDED OR 3,000 LBS. PER ACRE IF SEEDED AND STRAW SHALL BE MECHANICALLY PRESSED IN PLACE OR TACKIFIED. THE DEVELOPER SHOULD COMPLY WITH ANY/ALL CALIFORNIA DEPARTMENT OF FISH AND GAME REGULATIONS THAT MAY BE APPLICABLE.

6. STRAW BALES SHALL BE STOCKPILED ON SITE AT A RATE OF 1.5 BALES PER PROJECT ACRE. BALES SHOULD BE PRESENT BY SEPTEMBER 25TH. STOCKPILED STRAW SHALL BE COVERED TO ASSURE A DRY SUPPLY OF STRAW.

7. SILT FENCES (SECTION 1. D.) SHALL BE INSTALLED FOLLOWING THE CONTOUR, ON DISTURBED SLOPES WHERE SEDIMENT HAS CAPABILITY OF BEING TRANSPORTED TO STORM DRAIN INLETS OR WETLANDS OR DRAINAGE AREAS. SPACING REQUIREMENTS ARE: 1) 200 FEET ON SLOPES FROM 0-15% WITH A 1/2 TO 1 ACRE DRAINAGE AREA, AND 2) 100 FEET ON 15%+ SLOPES WITH LESS THAN 1/2 ACRE DRAINAGE AREA.

8. ALL STOCKPILED SOIL SHALL BE COVERED WITH STRAW MULCH (AT A RATE OF 1 BALE PER 1000 SQUARE FEET), PLASTIC SHEETING, OR OTHER SUITABLE MATERIAL. ALL STOCKPILED SOIL SHALL HAVE SILT FENCES, STRAW WATTLES OR STRAW BALE DIKES (SECTION 1. D.) INSTALLED AT THE TOE OF THE MATERIAL. IN ADDITION, NO MATERIAL SHALL BE STOCKPILED WITHIN 50 FEET OF PERENNIAL AND INTERMITTENT DRAINAGE SWALES (AS MEASURED FROM THE CENTERLINE OF THE DRAINAGE).

9. TEMPORARY DIVERSION DIKES (SECTION 1. A.) SHALL BE PLACED ON TOP OF THE EXPOSED SLOPES OR OTHER DISTURBED AREAS TO INTERCEPT AND ROUTE RUN-OFF TO STABLE OUTLETS. DRAINAGE FROM THE DIVERSION DIKES SHOULD BE TRANSPORTED OVER THE SLOPE(S) WITH A PIPED SLOPE DRAIN (SEE SECTION 1. I.) OR OTHER SUITABLE MEASURE AND DISCHARGED TO A STABLE AREA. CROSS-ROAD AND/OR CROSS SLOPE DRAINS (WATER BARS) SHALL BE PLACED ON DISTURBED AREAS THAT ARE USED FOR ROADS, PARKING, OR OTHER GRADED AREAS WHICH HAVE NOT BE STABILIZED BY GRAVEL SURFACING OR VEGETATIVE MEANS (SECTION 1. B.)

10. TEMPORARY PERIMETER DIKES (SECTION 1. C.) SHALL BE CONSTRUCTED AROUND DISTURBED AREAS TO DIVERT SEDIMENT INTO THE SEDIMENT TRAPS. THEY SHALL BE USED ONLY DURING THE CONSTRUCTION PERIOD UNTIL THE SLOPES ARE STABILIZED.

11. CHECK DAMS (CONSTRUCTED OF ROCK, LOGS, STRAW BALES, ETC.) SHALL BE CONSTRUCTED ACROSS SWALES, GULLIES, OR DRAINAGE WAYS THAT HAVE WATERSHEDS LESS THAN 1 ACRE IN SIZE AND ARE NOT LOCATED IN PERENNIAL STREAMS. MAXIMUM HEIGHT OF THE CHECK DAM CENTER SHALL BE 2 FEET WITH THE CENTER OF THE CHECK DAM 6 INCHES LOWER THAN THE OUTER EDGES.

12. SEDIMENT TRAPS (SECTION 1. K.) SHALL BE CONSTRUCTED ACROSS DRAINAGE WAYS, STORM DRAIN INLETS, OR OTHER LOCATIONS TO COLLECT, INTERCEPT AND TRAP SEDIMENT-LADEN RUN-OFF. THE TEMPORARY TRAPS SHOULD BE CONSTRUCTED USING EXISTING TERRAIN WHERE FEASIBLE. SEDIMENT ACCUMULATED IN DRAINAGE WAYS OR IN SEDIMENT TRAPS MUST BE REMOVED ON A REGULAR BASIS FOR THE PROJECT-OWNER TO REMAIN IN COMPLIANCE. TRASH SHALL BE REMOVED AT LEAST WEEKLY.

13. TEMPORARY STORM DRAIN INLET SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AT ANY DROP/CURB INLETS RECEIVING SEDIMENT LADEN RUN-OFF. DROP INLET PROTECTION MAY BE CONSTRUCTED OF SILT FENCES, GRAVEL-FILLED SAND BAGS, STRAW BALE DIKES AND/OR OTHER INNOVATIVE MEASURES. GRAVEL-FILLED SAND-BAG (OR STRAW WATTLE) "DONUTS" SHOULD BE USED ON GENTLY SLOPING, PAVED STREETS. SEDIMENT MUST BE REMOVED FROM THESE STRUCTURES BEFORE AND/OR AFTER EACH STORM.

14. NO GRADING OR TRENCHING (EXCEPT THAT REQUIRED FOR EROSION OR SEDIMENT CONTROL) SHALL OCCUR WITHIN 50 FEET FROM THE CENTERLINE OF PERENNIAL AND INTERMITTENT DRAINAGE SWALES BETWEEN OCTOBER 15 AND MAY 1, UNLESS APPROVED BY THE PROJECT MANAGER.

15. ALL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE MONITORED, BY THE PROJECT MANAGER, BEFORE, DURING, AND AFTER ALL STORMS TO ENSURE CONTROL FEATURES ARE WORKING PROPERLY. ALTERNATE MEASURES MUST BE INSTALLED IF ORIGINAL MEASURES FAIL.

16. DRAINAGE-WAYS LOCATED BELOW A ROAD RUN-OFF DISCHARGE POINT SHALL BE PROTECTED THROUGH THE INSTALLATION OF A "GRASSED SWALE" (OR EQUAL). "GRASSED SWALES" CAN BE CONSTRUCTED USING A PROTECTIVE LAYER OF 3-DIMENSIONAL NYLON FILAMENT, SUCH AS MACCAFERRI MACMAT (OR EQUAL) AND PLACING PLUGS OF HYBRID BERMUDA GRASS/REED CANARY GRASS WITHIN SWALE AT A RATE OF ONE PLUG PER SQUARE FOOT. PLANTINGS SHALL BE DONE BY SEPTEMBER 15TH AND SHALL BE IRRIGATED TO ASSURE PROPER GERMINATION PRIOR TO THE WINTER MONTHS.

17. TEMPORARY EROSION CONTROL SEEDING IS NOT ANTICIPATED TO BE REQUIRED FOR THIS PROJECT. IF TEMPORARY EROSION CONTROL SEEDING IS REQUIRED, CONTRACTOR SHALL SUBMIT SEED MIX FOR APPROVAL. SEED MIX SHALL BE COMPOSED OF NATIVE GRASS AND FORB SPECIES.

18. "STABILIZED CONSTRUCTION ENTRANCE(S)" PER EL DORADO COUNTY PLATE C-4 (SEE DETAIL C, THIS SHEET) SHALL BE INSTALLED ON SITES WHERE TRACKING ONTO PUBLIC ROADS CAN BE A PROBLEM. AGGREGATE, ASPHALTIC CONCRETE (OR EQUAL) CAN BE USED BASED ON THE LONGEVITY, PERFORMANCE, AND SITE CONDITIONS. MINIMUM LENGTH - 50', WIDTH - MIMIMUM 10', DEPTH - 3" TO 6".

19. THE DEVELOPER SHALL CONDUCT ALL SOIL STABILIZATION ACTIVITIES PURSUANT TO ENGINEERING & SURVEYING DEPARTMENT AND SOIL CONSERVATION SERVICE PRACTICES AND TECHNIQUES. STABILIZATION DETAILS SHALL BE SHOWN BE SHOWN ON THE IMPROVEMENT PLANS FOR TEMPORARY AND PERMANENT CONDITIONS.

FAILURE TO IMPLEMENT EROSION CONTROL MEASURES DURING PERIODS OF RAINFALL MAY RESULT IN A PROHIBITION OF ANY ADDITIONAL CONSTRUCTION DURING THE REMAINDER OF THE RAINY SEASON.

DUST CONTROL NOTES

1. PROJECT SHALL CONFORM TO THE REQUIREMENTS OF THE EL DORADO COUNTY AIR POLLUTION CONTROL DISTRICT.

2. CONSTRUCTION VEHICLES SHALL TRAVEL ALONG WATERED CONSTRUCTION ROUTES. REDUCE TRAFFIC SPEEDS ON ALL UNPAVED SURFACES TO 15 MILES PER HOUR OR LESS.

3. SUSPEND ALL GRADING OPERATIONS WHEN FUGITIVE DUST EXCEEDS EL DORADO COUNTY AIR POLLUTION CONTROL DISTRICT RULE 228, FUGITIVE DUST LIMITATIONS.

4. CONSTRUCTION EQUIPMENT EXHAUST EMISSIONS SHALL NOT EXCEED EL DORADO COUNTY AIR POLLUTION CONTROL DISTRICT RULE 202 - VISIBLE EMISSION LIMITATIONS.

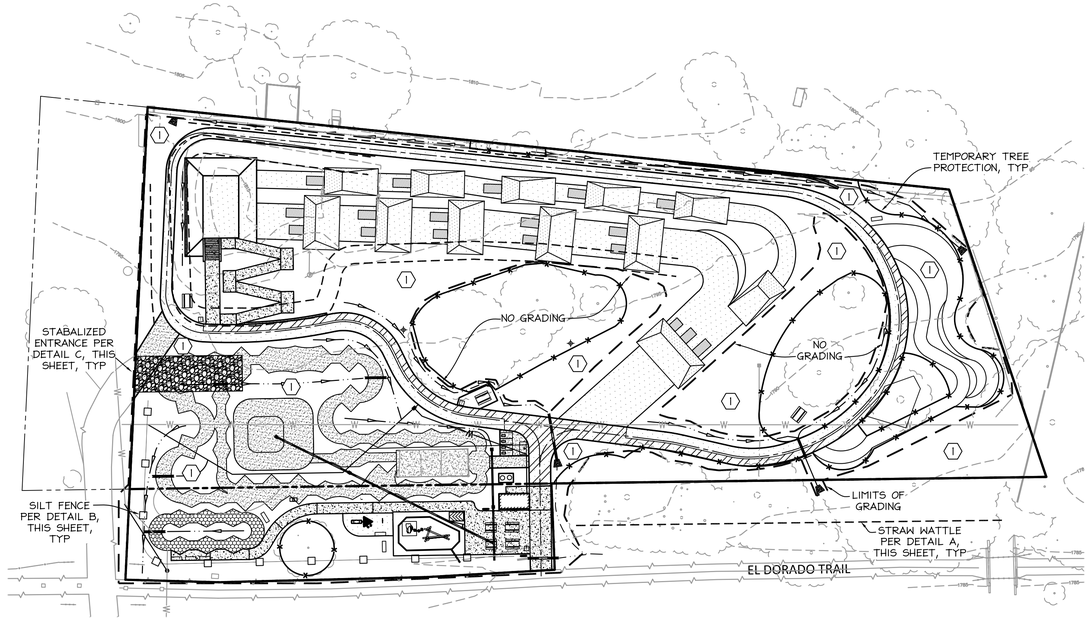
5. PAVED STREETS, EL DORADO TRAIL ADJACENT TO THE PROJECT, SHALL BE REGULARLY SWEPT AND WASHED DURING CONSTRUCTION ACTIVITIES. MECHANICAL DRY SWEEPING WILL NOT BE PERMITTED.

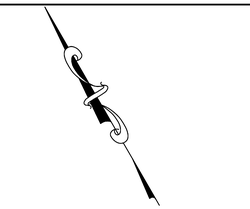
6. CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED IN A CLEAN CONDITION TO MINIMIZE DUST POLLUTION.

7. TRUCKS TRANSPORTING SOIL SHALL USE AN EFFECTIVE COVER METHOD TO PREVENT EXCESSIVE AMOUNTS OF DUST.

8. CONSTRUCTION EQUIPMENT USED SHALL BE PROPERLY MAINTAINED.

9. AN OPERATIONAL WATER TRUCK SHALL BE ON-SITE AT ALL TIMES. APPLY WATER TO CONTROL DUST AS NEEDED TO PREVENT DUST IMPACTS OFF-SITE.

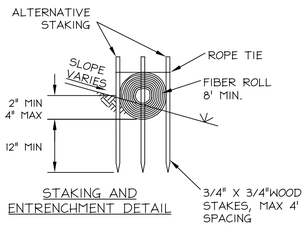




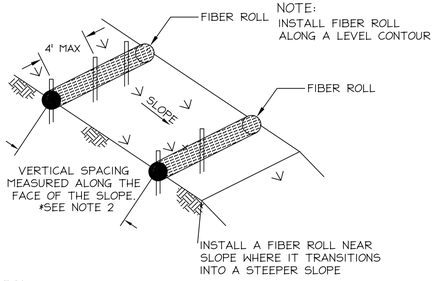
GRAPHIC SCALE

40 0 20 40 80

1 INCH = 40 FEET



STAKING AND ENTRENCHMENT DETAIL



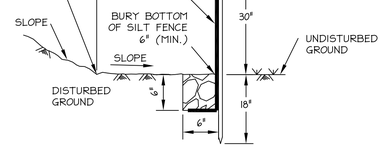
NOTE: INSTALL FIBER ROLL ALONG A LEVEL CONTOUR

NOTES:

1. FIBER ROLLS SHOULD CONSIST OF STRAW, FLAX, WOOD EXCELSIOR OR COCONUT FIBERS BOUND IN A TIGHT TUBULAR ROLL.
2. LOCATE FIBER ROLLS ON LEVEL CONTOURS SPACED AS FOLLOWS:
   - SLOPE INCLINATION OF 4:1 (H:V) OR FLATTER: FIBER ROLLS SHOULD BE PLACED AT A MAXIMUM INTERVAL OF 20 FT.
   - SLOPE INCLINATION BETWEEN 4:1 AND 2:1 (H:V): FIBER ROLLS SHOULD BE PLACED AT A MAXIMUM INTERVAL OF 15 FT.
   - SLOPE INCLINATION OF 2:1 (H:V) OR GREATER: FIBER ROLLS SHOULD BE PLACED AT A MAXIMUM INTERVAL OF 10 FT.
3. TURN THE ENDS OF THE FIBER ROLL UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND THE ROLL.
4. IF MORE THAN ONE FIBER ROLL IS PLACED IN A ROW, THE ROLLS SHOULD BE OVERLAPPED, NOT ABUTTED.
5. FIBER ROLLS MAY BE USED FOR DRAINAGE INLET PROTECTION IF PROPERLY ANCHORED.
6. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-HALF THE SEDIMENT STORAGE DEPTH.

Ⓐ STRAW WATTLE

N.T.S.



NOTES:

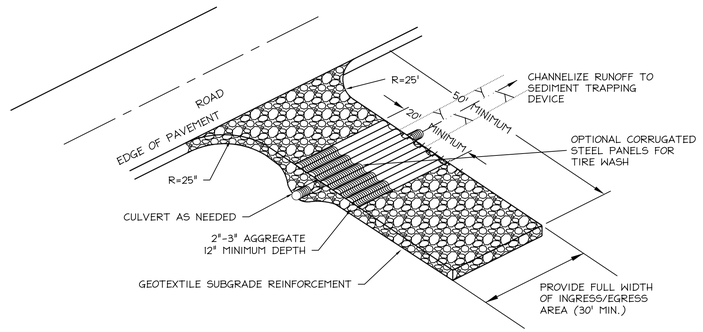
1. DO NOT USE IN STREAMS, CHANNELS, DRAIN INLETS, OR ANYWHERE FLOW IS CONCENTRATED. DO NOT USE TO DIVERT FLOW.
2. THE MAXIMUM LENGTH OF SLOPE DRAINING TO ANY POINT ALONG THE SILT FENCE SHOULD BE 200 FT OR LESS.
3. SILT FENCE FABRIC SHOULD BE WOVEN POLYPROPYLENE WITH A MINIMUM WIDTH OF 36 IN AND A MINIMUM TENSILE STRENGTH OF 100 LB FORCE.
4. THE FOLLOWING CRITIERIA IS RECOMMENDED FOR SELECTION OF THE FABRIC EQUIVALENT OPENING SIZE:
   A. IF 50% OR LESS OF THE SOIL, BY WEIGHT, WILL PASS THE U.S. STANDARD SIEVE NO. 200, SELECT THE EOS TO RETAIN 85% OF THE SOIL. THE EOS SHOULD NOT BE FINER THAN EOS70.
   B. FOR ALL OTHER SOIL TYPES, THE EOS SHOULD BE NO LARGER THAN THE OPENINGS IN THE U.S. STANDARD SIEVE NO. 70 EXCEPT WHERE DIRECT DISCHARGE TO A STREAM, LAKE, OR WETLAND WILL OCCUR, THEN THE EOS SHOULD BE NO LARGER THAN STANDARD SIEVE NO. 100.
5. CONNECTION/JOINING OF SILT FENCES SHALL BE COMPLETED BY TIGHTLY OVERLAPPING THE ENDS OF THE ROLLS A MINIMUM OF 12" OR BY OVERLAPPING THE END POSTS AND SECURING THE TWO POSTS TOGETHER TIGHTLY WITH PLASTIC WIRE TIES AND/OR STEEL BAILING WIRE (9 GAUGE OR HEAVIER).
6. STAKES SHALL BE SPACED AT 8'-0" MAXIMUM AND SHALL BE POSITIONED ON DOWNSTREAM SIDE OF FENCE.
7. STAPLES USED TO FASTEN THE FENCE FABRIC TO THE STAKES SHOULD BE NOT LESS THAN 1.25 IN. LONG AND SHOULD BE FABRICATED FROM 15 GAUGE OR HEAVIER WIRE. PLASTIC WIRE TIES AND/OR STEEL BAILING WIRE (9 GAUGE OR HEAVIER) MAY BE SUBSTITUTED. NOT LESS THAN 4 STAPLES/TIES SHALL BE USED ON EACH STAKE.
8. THE LAST 8' OF FENCES SHALL BE TURNED UPSLOPE.
9. SILT FENCES SHOULD BE LEFT IN PLACE, REGULARLY INSPECTED, AND MAINTAINED UNTIL THE UPSTREAM AREA IS PERMANENTLY STABILIZED.
10. SEDIMENT SHOULD BE REMOVED BEFORE THE SEDIMENT ACCUMULATION REACHES ONE-THIRD OF THE BARRIER HEIGHT.

Ⓑ SILT FENCE

N.T.S.

EROSION CONTROL LEGEND

- STRAW WATTLE. PER DETAIL A, THIS SHEET.
- TEMPORARY TREE PROTECTION FENCING PER DETAIL 5/DT7
- SILT FENCE PER DETAIL B, THIS SHEET
- LIMITS OF GRADING
- (1) ALL DISTURBED AREAS WITHOUT ARTIFICIAL SURFACE TO BE HYDROSEEDED PER PLANTING PLAN.



NOTES:

1. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE USED AT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS.
2. THE AGGREGATE SHALL BE 2 -3 IN. CRUSHED ROCK.
3. THE ENTRANCE SHALL BE PROPERLY GRADED TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
4. THE ENTRANCE SHALL BE CONSTRUCTED ON LEVEL GROUND.
5. PERIODIC TOP DRESSING WITH ADDITIONAL STONE SHALL BE PROVIDED TO ENSURE THE INTEGRITY OF THE ENTRANCE DURING CONSTRUCTION.
6. CONTRACTOR TO MAINTAIN CONSTRUCTION ENTRANCE AT ALL TIMES.
7. CRUSHED ROCK MATERIAL SHALL BE ADDED WHEN SURFACE VOIDS ARE NOT VISIBLE.
8. ALL SEDIMENT DEPOSITS ON PAVED ROADWAYS SHALL BE REMOVED WITHIN 24 HOURS.
9. THE CRUSHED ROCK AND GEOTEXTILE SHALL BE REMOVED AT COMPLETION OF CONSTRUCTION.

Ⓒ STABILIZED CONSTRUCTION ENTRANCE

N.T.S.

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EROSION CONTROL

OLD DEPOT BIKE PARK
EL DORADO COUNTY

CIVIL ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER HERBERT C. LANGDON No. 24840 CIVIL STATE OF CALIFORNIA

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DRAWN BY: GK

DATE: 05/14/2021

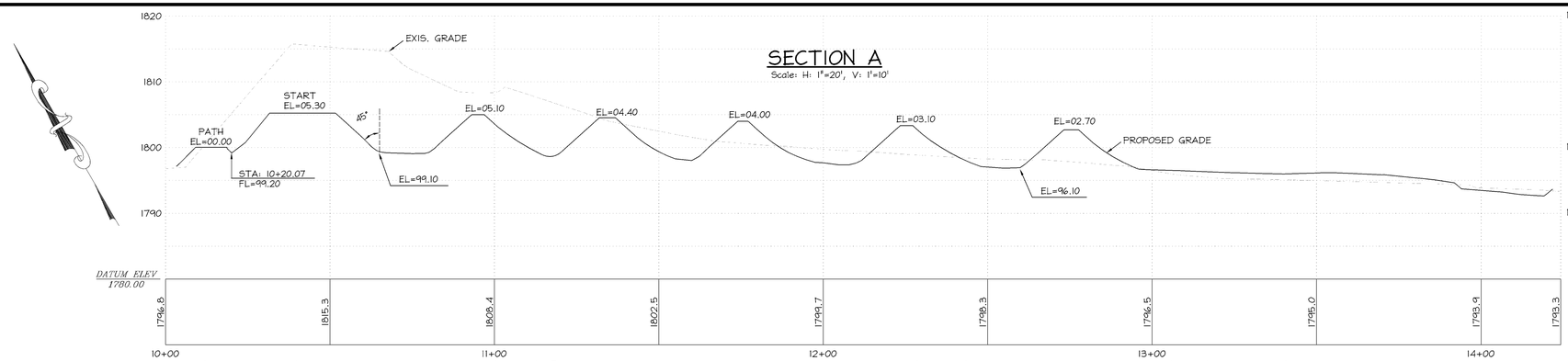
SCALE: 1"=40'

JOB NUMBER: CED-04

SHEET: C4
14 of 37

SECTION A

Scale: H: 1"=20', V: 1"=10'



GRADING LEGEND

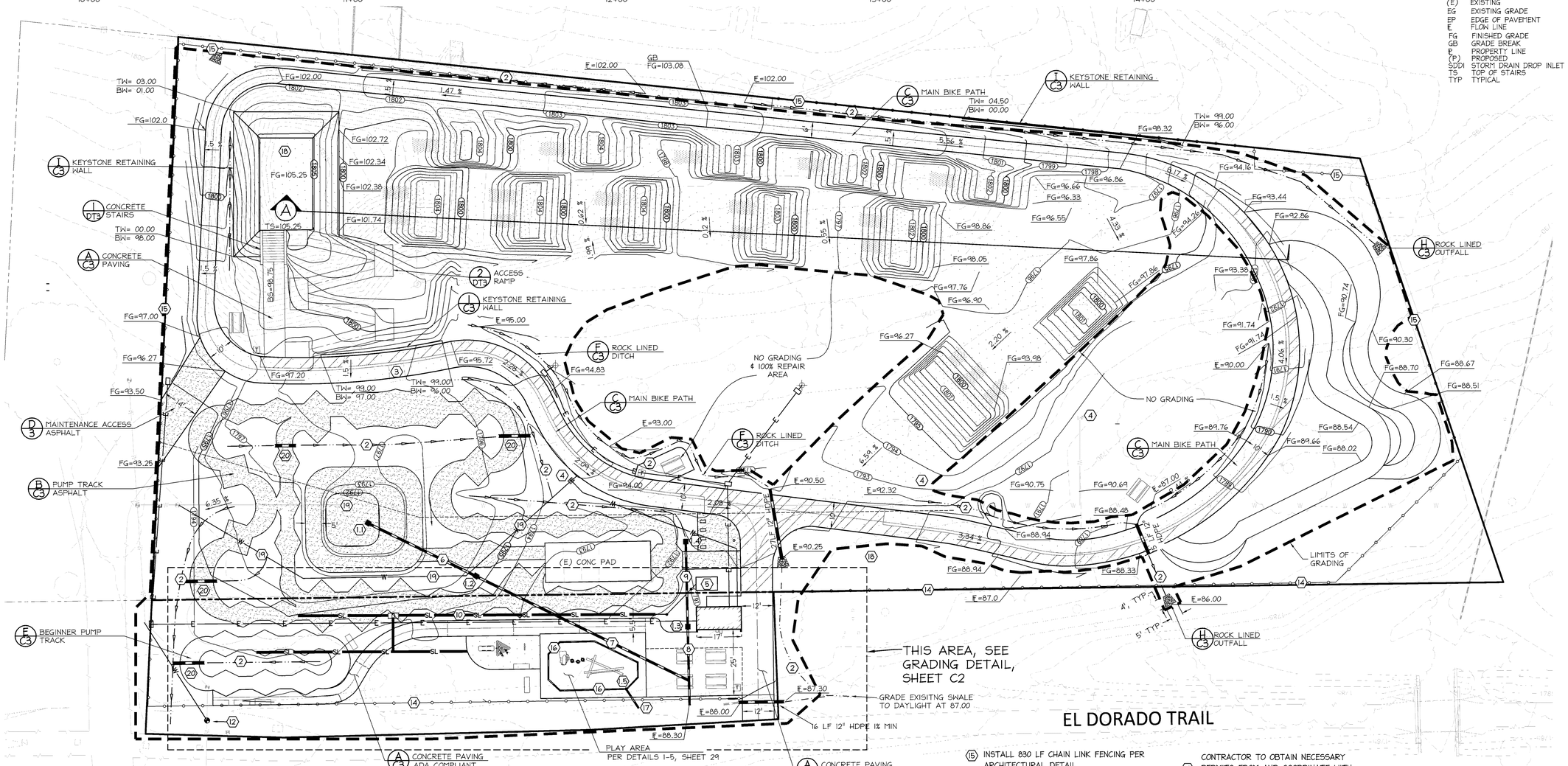
PROPOSED	DESCRIPTION
	EDGE OF PAVEMENT
	RETAINING WALL
	DRAINAGE SWALE
	OVERLAND FLOW
1018	EXISTING CONTOUR (MINOR)
1020	EXISTING CONTOUR (MAJOR)
1018	PROPOSED CONTOUR (MINOR)
1020	PROPOSED CONTOUR (MAJOR)
	LIMITS OF GRADING

NOTE:
ADD 1700.00 TO ALL SHOWN FG ELEVATIONS

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT
BC	BEGIN CURVE
BS	BOTTOM OF STAIRS
℄	CENTERLINE
CONC	CONCRETE
(E)	EXISTING
EG	EXISTING GRADE
EP	EDGE OF PAVEMENT
FL	FLOW LINE
FG	FINISHED GRADE
GB	GRADE BREAK
ℙ	PROPERTY LINE
(P)	PROPOSED
SDDI	STORM DRAIN DROP INLET
TS	TOP OF STAIRS
TYP	TYPICAL

GRAPHIC SCALE
20 0 10 20 40
1 INCH = 20 FEET



KEY NOTES

1. SDDI - STORM DRAIN DROP INLET SEE DETAIL J, SHEET C3 RIM=92.00, FL=90.50
2. EARTH LINED DITCH, SEE DETAIL G, SHEET C3
3. WELL DECOMMISSIONED PRIOR TO CONSTRUCTION
4. RELOCATE EXISTING WATER METER AND SPLIT LANDSCAPE & DOMESTIC VIA BACKFLOW PREVENTION PER EID STD DWG W22
5. INSTALL 1200 GALLON SEPTIC TANK JENSEN PRECAST OR EQUIVALENT PER DETAIL K SHEET C3.
6. 61 LF 8" SDR35 S=1.0%
7. 92 LF 8" SDR35 S=1.0%
8. 20 LF 8" SDR35 S=1.5%
9. 31 LF 8" SDR35 S=1.5%
10. INSTALL 216 LF 2.5' DEEP X 3' WIDE LEACHFIELD TRENCH THE WITH INFILTRATOR SYSTEMS, INC. QUICK 4 EQUALIZER 36 CHAMBER, OR EQUAL PER DETAILL L & M, SHEET 3. INSTALLATION PER MANUFACTURES INSTRUCTIONS. COORDINATE INSTALLATION WITH SONDE GEOLOGICAL SERVICES, 530-677-3055
11. ALL ADA PATH OF TRAVEL 1.5% CROSS SLOPE
12. RELOCATE EXISTING EID 2" PVC WATER LINE AND VALVE
13. UTILITY TRENCH PER EL DORADO COUNTY STANDARD PLAN119
14. INSTALL 570 LF SPLIT RAIL FENCING PER ARCHITECTURAL DETAIL
15. INSTALL 830 LF CHAIN LINK FENCING PER ARCHITECTURAL DETAIL
16. INSTALL 90 LF 4" ABS PERFORATED DRAIN PER ARCHITECTURAL DETAIL 3, SHEET 29. CONNECT TO STORM DRAIN SYSTEM.
17. INSTALL 10 LF 4" PVC 1% MIN, DAYLIGHT AT FLOWLINE
18. SCREEN STOCKPILED MATERIAL REMOVE LOOSE ROCK TO BE USED IN ROCK LINED DITCH DETAIL F, SHEET C3.
19. CONTRACTOR TO OBTAIN NECESSARY PERMITS FROM AND COORDINATE WITH EID TO RELOCATE AN EXISTING EXISTING 1 1/2" PVC WATER MAIN AND REPLACE WITH 175 LF 4" PVC MINIMUM PER EID STANDARDS.
20. INSTALL TOTAL OF 40 LF HDPE 1% MIN TO PROVIDE DRAINAGE UNDERNEATH TRACKS AND TO DRAINAGE SWALES

Giuliani & Kull Auburn, Inc.
Engineers ● Planners ● Surveyors
Post Box 786, Auburn, CA 95604
(530) 885-5107 Fax (530) 885-5157
Auburn ● San Jose ● Oakdale ● Sacramento

REVISION/ISSUE	BY

GRADING & DRAINAGE

OLD DEPOT BIKE PARK

EL DORADO COUNTY

CIVIL ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER
HERBERT C. LANGNER
No. 24840
CIVIL
STATE OF CALIFORNIA

Giuliani & Kull Auburn, Inc.
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Auburn ● San Jose ● Oakdale ● Sacramento

DRAWN BY	GK
DATE	05/14/2021
SCALE	1"=20'
JOB NUMBER	CED-04
SHEET	C5
	15 of 37

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER/CATALOG	DESCRIPTION	MOUNTING	TYPE	VOLTS	WATTS	REMARKS
A	U.S. ARCHITECTURAL LIGHTING RZRM-PLED-III-48LED-525MA-NW-120-RAL-9005-T	POLELIGHT; 10,018 LUMEN; 3000K CCT; TYPE III DISTRIBUTION	14' POLE	LED	120	81.0	INTEGRATED PHOTOCELL AND OCCUPANCY SENSOR

(N) PANEL 'A'

SECTION 1 OF 1 | BUS RATING: 100 AMP | SINGLE PHASE | VOLTAGE

SERVING NORMAL | MAIN BREAKER | 3-WIRE | 240/120

LOCATION: RESTROOM CLOSET | MOUNTING: | FLUSH | X | MAIN LUGS ONLY

PANEL A.I.C. 10,000 | X | SURFACE | FED-THRU LUGS

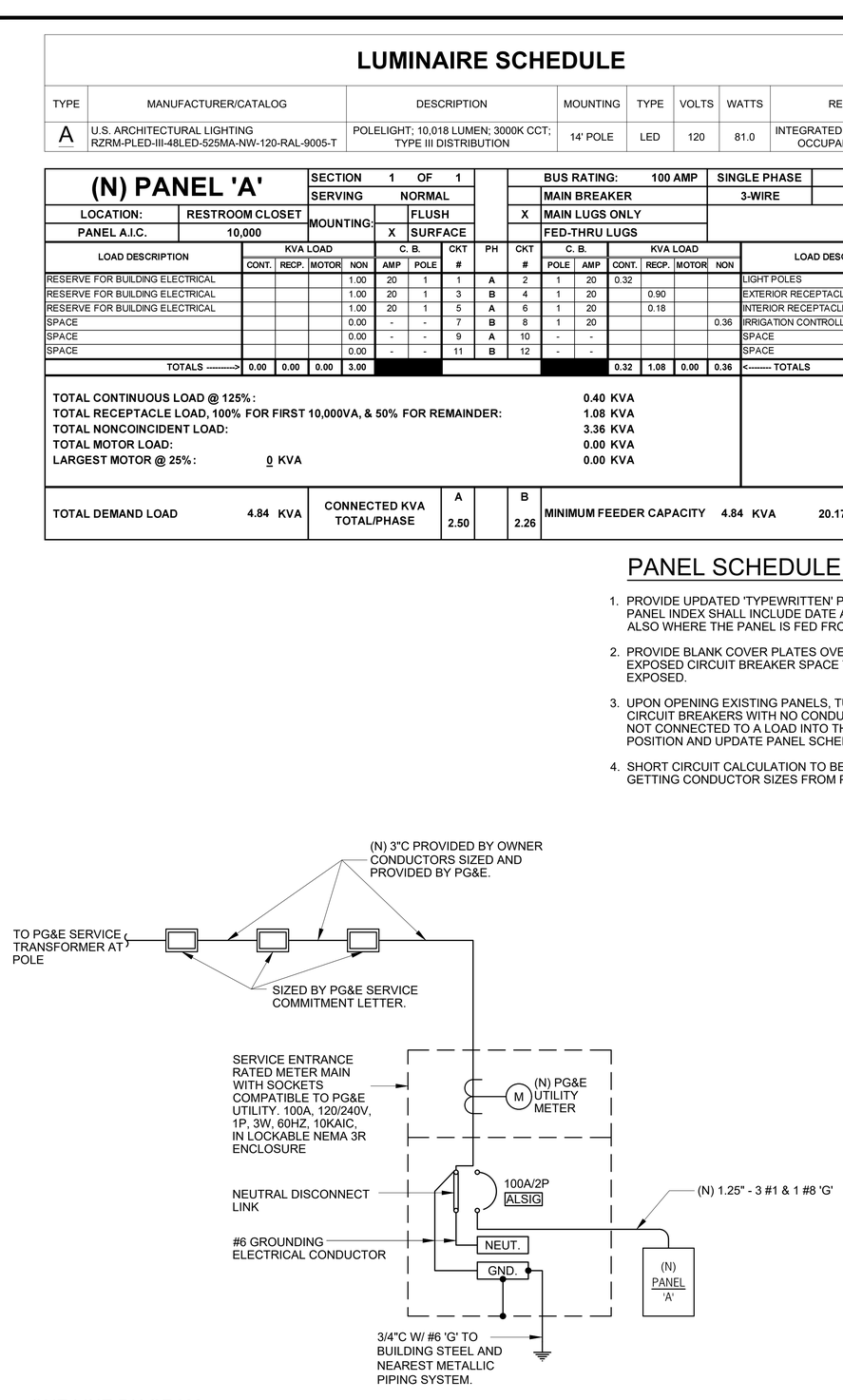
LOAD DESCRIPTION	KVA LOAD CONT.	RECP.	MOTOR	NON	C. B. AMP	POLE	CKT #	PH	CKT #	C. B. POLE	AMP	KVA LOAD CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
RESERVE FOR BUILDING ELECTRICAL				1.00	20	1	1	A	2	1	20	0.32				LIGHT POLES
RESERVE FOR BUILDING ELECTRICAL				1.00	20	1	3	B	4	1	20		0.90			EXTERIOR RECEPTACLES
RESERVE FOR BUILDING ELECTRICAL				1.00	20	1	5	A	6	1	20		0.18			INTERIOR RECEPTACLE
SPACE				0.00	-	-	7	B	8	1	20				0.36	IRRIGATION CONTROLLER
SPACE				0.00	-	-	9	A	10	-	-					SPACE
SPACE				0.00	-	-	11	B	12	-	-					SPACE
TOTALS ---------->	0.00	0.00	0.00	3.00								0.32	1.08	0.00	0.36	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%:	0.40 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10,000VA, & 50% FOR REMAINDER:	1.08 KVA
TOTAL NONCOINCIDENT LOAD:	3.36 KVA
TOTAL MOTOR LOAD:	0.00 KVA
LARGEST MOTOR @ 25%: 0 KVA	0.00 KVA

			A		B		
TOTAL DEMAND LOAD	4.84 KVA	CONNECTED KVA TOTAL/PHASE	2.50		2.26	MINIMUM FEEDER CAPACITY	4.84 KVA 20.17 AMP

PANEL SCHEDULE NOTES

1. PROVIDE UPDATED 'TYPEWRITTEN' PANEL INDEX. PANEL INDEX SHALL INCLUDE DATE APPLIED AND ALSO WHERE THE PANEL IS FED FROM.
2. PROVIDE BLANK COVER PLATES OVER ANY EXPOSED CIRCUIT BREAKER SPACE THAT IS EXPOSED.
3. UPON OPENING EXISTING PANELS, TURN ANY CIRCUIT BREAKERS WITH NO CONDUCTORS OR NOT CONNECTED TO A LOAD INTO THE "OFF" POSITION AND UPDATE PANEL SCHEDULE.
4. SHORT CIRCUIT CALCULATION TO BE DONE AFTER GETTING CONDUCTOR SIZES FROM PG&E.



1 ONE LINE DIAGRAM

NO SCALE

WIRING DEVICE SYMBOLS

SYMBOL	DESCRIPTION
	20 AMP 125V 3W DUPLEX CONVENIENCE RECEPTACLE W/ GROUND FAULT INTERRUPTER.
	20 AMP 125V 3W DOUBLE DUPLEX CONVENIENCE RECEPTACLE W/ GROUND FAULT INTERRUPTER.
J JH	JUNCTION BOX, SIZE AND TYPE AS INDICATED OR REQUIRED.

POWER DISTRIBUTION SYMBOLS

SYMBOL	DESCRIPTION
	BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED.
⊠	CONTROL AND/OR EQUIPMENT, PROVIDED UNDER ANOTHER DIVISION, PROVIDE POWER CONNECTION AS INDICATED.

LIGHTING SYMBOLS

SYMBOL	DESCRIPTION
B	LUMINAIRE TAG, LETTER INDICATES TYPE, SEE LUMINAIRE SCHEDULE.
	EXTERIOR POLE LIGHT, TWO LUMINAIRES.

RACEWAY SYMBOLS

SYMBOL	DESCRIPTION
	RACEWAY INSTALLED IN CEILING OR WALL. ROUTE EXPOSED IN ALL UNFINISHED AREAS.
- - - - -	RACEWAY INSTALLED BELOW FINISHED FLOOR OR GRADE.
	ARROW AT END OF RACEWAY INDICATES HOME RUN TO RESPECTIVE PANELBOARD OR SWITCHBOARD.
	BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A 2 #12 AWG CIRCUIT WITH 1 #12 AWG GROUND.
	STRAIGHT CROSS-LINES IN BRANCH CIRCUIT RACEWAY INDICATE NUMBER OF #12 AWG WIRES IN A CIRCUIT. SHORT LINES INDICATE UNGROUNDED CONDUCTORS. LONG LINES INDICATE NEUTRAL CONDUCTORS. WIRES SHOWN ARE IN ADDITION TO 1 #12 AWG GROUNDING CONDUCTOR.

STANDARD ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
M	UTILITY METER.
	PG&E ELECTRICAL UTILITY POLE

GENERAL ELECTRICAL NOTES

1. WHERE PROVIDED, THROUGH-PENETRATION FIRESTOP SYSTEM AND MEMBRANE PENETRATION DETAILS SHOW IN THE DETAILS ARE FOR REFERENCE ONLY. THROUGH- PENETRATIONS AND MEMBRANE PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM OR MEMBRANE PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 PA) OF WATER OR AS OTHERWISE PERMITTED BY CBC, SECTION 714. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS AND MEMBRANE PENETRATIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE INSTALLATION DETAILS FOR LISTED SYSTEMS. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS, MEMBRANE PENETRATION PROTECTION AND OTHER PERMITTED MEANS AND METHODS OF PENETRATION PROTECTION SHALL BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION TO REVIEW AND APPROVAL PRIOR TO INSTALLATION.
2. ALL ELECTRICAL EQUIPMENT TO BE INSTALLED OR PERMANENTLY CONNECTED (HARDWIRED) SHALL BE LISTED, LABELED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) PER CEC 110.2.
3. ALL EQUIPMENT SHALL BE USED IN ACCORDANCE WITH LISTING PER CEC 110.3B.

ABBREVIATIONS

1PH, 3PH	1 PHASE, 3 PHASE
1P, 2P, 3P	1 POLE, 2 POLE, 3 POLE
3W, 4W	3 WIRE, 4 WIRE
(D)	DEMO, DEMOLISH
(E)	EXISTING
(ER)	EXISTING RELOCATED
(N)	NEW
(R)	RELOCATE
-A-	
A, AMPS	AMPERES
AC	ALTERNATING CURRENT
AF	FRAME RATING IN AMPERES
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AL, ALUM	ALUMINUM
ATS	AUTO TRANSFER SWITCH
AT	TRIP RATING IN AMPERES
AWG	AMERICAN WIRE GAUGE
-B-	
BTR	BUILDING TELECOM ROOM
-C-	
C	CONDUIT
CB,C/B	CIRCUIT BREAKER
CEC	CALIFORNIA ELECTRICAL CODE
CT	CURRENT TRANSFORMER
CU	COPPER
-D-	
DC	DIRECT CURRENT
-E-	
EA	EACH
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
-F-	
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FLA	FULL LOAD AMPS
FT	FOOT OR FEET
-G-	
G, GND	GROUND
GA	GAUGE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
-H-	
HOA	HAND-OFF-AUTO
HP	HORSE POWER
-J-	
J-BOX	JUNCTION BOX
-K-	
KVA	ONE THOUSAND VOLT-AMPS
KW	ONE THOUSAND WATTS
-L-	
LCP	LIGHTING CONTROL PANEL
LTG	LIGHTING
-M-	
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVER-CURRENT PROTECTION
MT	EMPTY CONDUIT W/ PULL-LINE
-N-	
NC	NORMALLY CLOSED
NCTC	NURSE CALL TERMINAL CABINET
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
NIES	NOT INCLUDED IN ELECTRICAL SCOPE
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
-O-	
OCP	OVER-CURRENT PROTECTION
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
-P-	
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE CONDUIT
-R-	
RLA	RUNNING LOAD AMP
RSC	RIGID STEEL CONDUIT
-S-	
SPD	SURGE PROTECTION DEVICE
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
SST	SOLID STATE TRIP
-T-	
TER	TELECOM EQUIPMENT ROOM
TR	TELECOM ROOM
TM	THERMAL MAGNETIC
TTB	TERMINAL BACKBOARD
-U-	
UG	UNDERGROUND
UL	UNDERWRITERS LAB.
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
-V-	
V	VOLTS
VA	VOLT-AMPS
VAC	VOLTS ALTERNATE CURRENT
-W-	
W	WATTS
WP	WEATHERPROOF
-X-	
XFMR	TRANSFORMER
XFER	TRANSFER SWITCH

SHEET INDEX

SHEET	DESCRIPTION
E0.01	ABBREVIATIONS, SYMBOLS, ONE LINE, PANEL SCHEDULE & SHEET INDEX
E0.02	TITLE 24 COMPLIANCE
E1.01	OVERALL SITE PLAN - DEMO ELECTRICAL
E2.01	OVERALL SITE PLAN - NEW ELECTRICAL
E2.02	OVERALL SITE PLAN - PHOTOMETRICS
E2.03	OVERALL SITE PLAN - ADD ALT ELECTRICAL
E2.04	OVERALL SITE PLAN - ADD ALT PHOTOMETRICS
E3.01	ELECTRICAL DETAILS

REVISION/ISSUE	BY

ABBREVIATIONS, SYMBOLS, & SHEET INDEX

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

HELIX Environmental Planning
11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

DRAWN BY Stephanie
DATE 05/14/2021
SCALE AS SHOWN
JOB NUMBER CED-04
SHEET E0.01
16 of 37

PROFESSIONAL ENGINEER — No. E 017376 — ELECTRICAL — STATE OF CALIFORNIA — EL DORADO COUNTY

05/12/2021

EDGE ELECTRICAL CONSULTING
1801 7th Street, Suite 150
Sacramento, CA 95811
916.256.2460
300 27th Street #201
Oakland, CA 94612
510.775.3836

Project Number H129 Contact Stephanie

A. GENERAL INFORMATION

01	Project Location (city)	Placerville	04	Total Illuminated Hardscape Area (ft²) 21,627
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 - Rural Areas ☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval
☐ LZ-1: Low - Developed Parkland ☐ LZ-3: Moderately High - Urban Areas

B. PROJECT SCOPE

Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)2L for alterations.

My project consists of:

01	02
☑ New Lighting System	Must Comply with Allowances from §140.7.
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ◯ Yes ◯ No

[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*

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Calculation of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)2L											Compliance Results	
01		02		03	04		05		06		07	08	09
General Hardscape Allowance §140.7(d)1	+	Per Application §140.7(d)2	+	Sales Frontage §140.7(d)2	Ornamental §140.7(d)2	+	Per Specific Area §140.7(d)2	OR	Existing Power §141.0(b)2L	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 Must be ≥ 08**
(See Table I)		(See Table J)		(See Table K)	(See Table L)		(See Table M)		(See Table N)				(See Table F)	
1,040.275	+		+			+		OR		=	1,040.275	≥	324	**COMPLIES**
Cutoff Compliance (See Table G for Details)											**Not Applicable**			
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.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

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

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2L (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).

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 Wattage is determined	Total number luminaires[3]	Luminaire Status[3]	Excluded per §140.7(a)	Design Watts	Cutoff Req. ≥ 6,200 initial lumen output §130.2(b)[4]	Field Inspector Pass	Fail
A	14' Pole Light ☐ Linear	81	Mfr. Spec[1]	4	New	☐	324		☐	☐
					Total Designed Watts:		**324**			

* 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).

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of luminaires.*
[3] *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*
[4] *Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output ≥ 6,200 unless exempted by §130.2(b).*

G. CUTOFF REQUIREMENTS (BUG)

This Section Does Not Apply

H. OUTDOOR LIGHTING CONTROLS

Table Instructions: Complete this table demonstrating 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.
*When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exempt* from the dropdown list to indicate not applicable or an exemption.*

Mandatory Controls

01	02	03	04	05	
Area Description	Shut-Off §130.2(c)1	Auto-Schedule §130.2(c)2	Motion Sensor §130.2(c)3	Field Inspector Pass	Fail
Park	Photocontrol	Yes	Yes	☐	☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c).

I. LIGHTING POWER ALLOWANCE (per §140.7)

Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lost it" Allowances are per Table 140.7-B. 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.

	01					
	General Hardscape Allowance	"Use it or lose it" Allowances (select all that apply)				
	☑	☐ Per Application	☐ Sales Frontage	☐ Ornamental	☐ Per Specific Area	
	Table I (below)	Table J	Table K	Table L	Table M	

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3)

02	03	04	05	06	07	08	09	10
Area Description	Surface Type	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
		Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
Park	Concrete	21,627	0.025	540.675	624	0.4	249.6	790.275

Table Continued

										0
									Initial Wattage Allowance for Entire Site (Watts):	**250**
									Total General Hardscape Allowance (Watts):	**1,040.275**

J. LIGHTING ALLOWANCE: PER APPLICATION

This Section Does Not Apply

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This Section Does Not Apply

L. LIGHTING ALLOWANCE: ORNAMENTAL

This Section Does Not Apply

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This Section Does Not Apply

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This Section Does Not Apply

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector Pass	Fail
◉	◯	NRCI-LTO-01-E - Must be submitted for all buildings.	☐	☐
◉	◯	NRCI-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field Inspector Pass	Fail
◉	◯	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.	☐	☐

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name:	Stephanie Roynon, EIT	Documentation Author Signature:	
Company:	EDGE Electrical Consulting, Inc	Signature Date:	3/16/2021
Address:	1801 7th St, Suite 150	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Sacramento, CA, 95811	Phone:	916-256-2460

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:	Donny Lee, PE	Responsible Designer Signature:	
Company :	EDGE Electrical Consulting, Inc	Date Signed:	3/16/2021
Address:	1801 7t St, Suite 150	License:	E017376
City/State/Zip:	Sacramento, CA, 95811	Phone:	916-256-2460

REVISION/ISSUE	BY

TITLE 24 COMPLIANCE

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

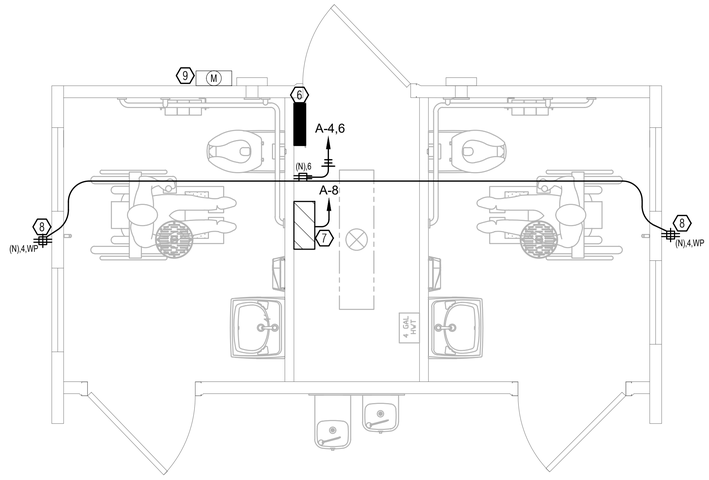
HELIX Environmental Planning

DRAWN BY Stephanie
DATE 05/14/2021
SCALE AS SHOWN
JOB NUMBER CED-04
SHEET E0.02
18 of 37

PROFESSIONAL ENGINEER — No. E 017376 — ELECTRICAL — STATE OF CALIFORNIA
05/12/2021

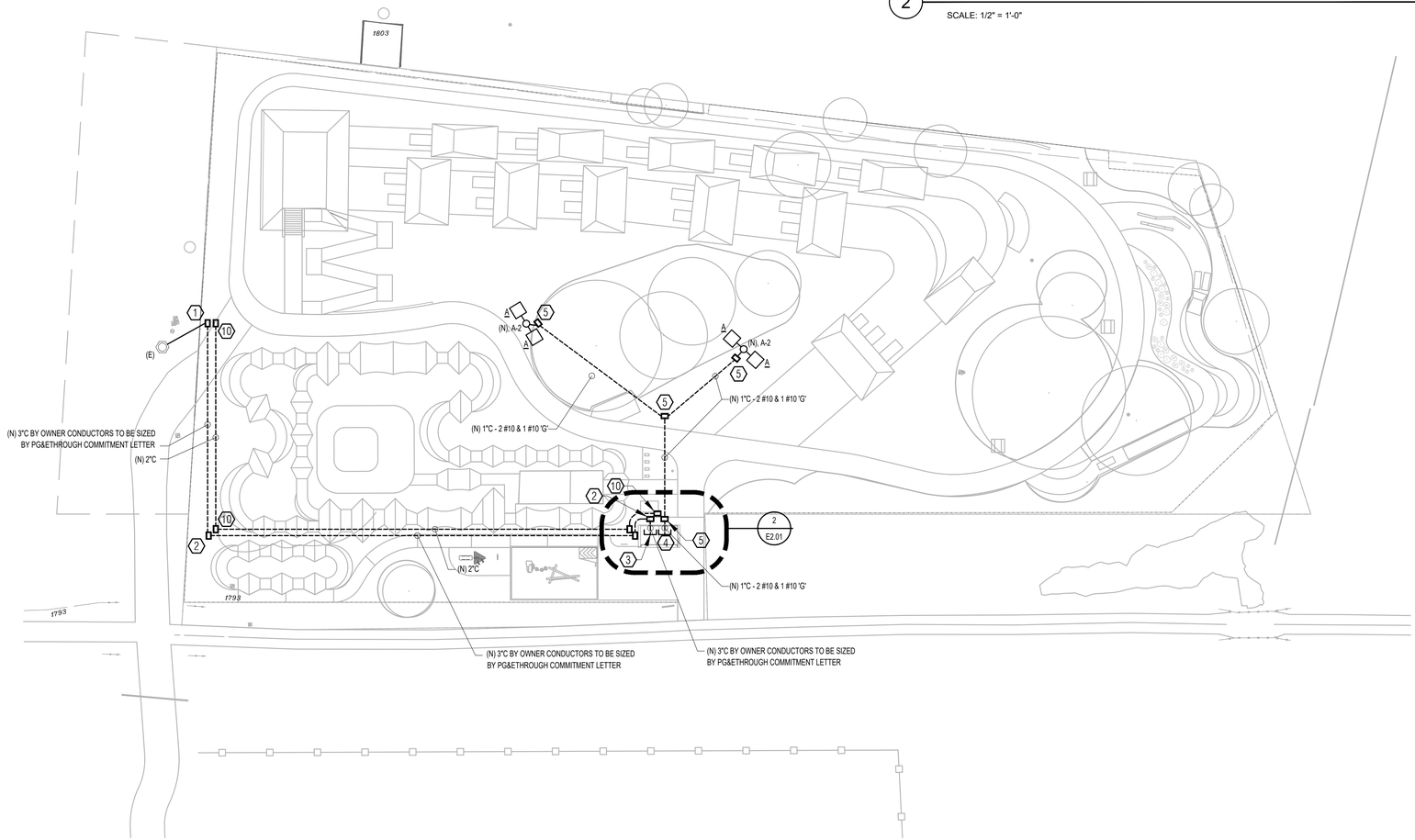
EDGE ELECTRICAL CONSULTING
1801 7th Street, Suite 150
Sacramento, CA 95811
916.256.2460
300 27th Street #201
Oakland, CA 94612
510.775.3836

Project Number H129 Contact Stephanie



2 ENLARGED FLOOR PLAN - ELECTRICAL

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



1 ENLARGED SITE PLAN - NEW POWER

SCALE: 1" = 30'-0"

SHEET NOTES

1. RESTROOM BUILDING LIGHTING, LIGHTING CONTROLS, 100A, 120/240V, SINGLE PHASE PANEL, EXHAUST FAN ELECTRICAL, HAND DRYER ELECTRICAL AND ELECTRIC LOCK SYSTEM SHALL BE DESIGNED AND PROVIDED BY PREFABRICATED BUILDING VENDOR.
2. REFER TO ONE LINE DIAGRAM FOR CONDUIT, CONDUCTOR SIZES AND ADDITIONAL REQUIREMENTS.

NUMBERED NOTES

1. PG&E TO RISER DOWN NEW SERVICE FEED TO NEW CHRISTY PULL BOX. (N) CHRISTY PULLBOX COVER TO BE LABELED 'ELECTRICAL'. PULL BOX TO BE SIZED BY PG&E AFTER RECEIPT OF COMMITMENT LETTER.
2. NEW CHRISTY PULL BOX TO BE SIZED BY PG&E AFTER RECEIPT OF COMMITMENT LETTER. COVER TO BE LABELED 'ELECTRICAL.
3. CONNECT NEW POWER SERVICE TO ELECTRICAL METER ON THE EXTERIOR OF THE BUILDING, THEN STUB CONDUIT FOR USE INTO THE BACKROOM OF THE RESTROOM TO NEW ELECTRICAL PANEL PROVIDED BY MANUFACTURED BUILDING VENDOR.
4. NEW LIGHTING CIRCUIT TO STUB INTO BACKROOM OF RESTROOM BUILDING TO BE CONNECTED TO NEW ELECTRICAL SERVICE PANEL.
5. NEW N9 CHRISTY PULLBOX. COVER TO BE LABELED 'ELECTRICAL'.
6. 100A, 120/240V, SINGLE PHASE, 10KAIC, 12 BREAKER PANEL PROVIDED BY MANUFACTURED BUILDING VENDOR.
7. (N) IRRIGATION CONTROLLER. 120V, 1 A.
8. CONVENIENCE RECEPTACLES, PROVIDE WITH LOCKABLE METAL COVERS. COVERS MUST BE PAINTED TO MATCH BUILDING.
9. MILBANK 114TB SERVICE ENTRANCE RATED METER. NEW PG&E SERVICE TO CONNECT HERE. FROM METER, PENETRATE POWER CONDUIT INTO BUILDING TO ELECTRICAL PANEL PROVIDED BY MANUFACTURED BUILDING VENDOR.
10. PULLBOXES AND ASSOCIATED EMPTY CONDUIT PROVISIONED FOR FUTURE LOW VOLTAGE SERVICES.

PG&E NOTES

ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS WORK THE ELECTRICAL POWER, TELECOMMUNICATIONS, AND CABLE TELEVISION SERVICES. ALL WORK PERFORMED BY THE CONTRACTOR SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS FROM THE UTILITY COMPANY AND FROM THESE PLANS AND SPECIFICATIONS. CONTACT THE UTILITY COMPANY AND OBTAIN THEIR REQUIREMENTS REGARDING THE DETAIL OF SERVICES AND ASSOCIATED WORK. WHERE THE UTILITY COMPANY REQUIRE MATERIALS AND METHODS BEYOND THESE PLANS AND SPECIFICATIONS, REPORT THE DISCREPANCIES TO THE ARCHITECT AND ENGINEER OF RECORD PRIOR TO PURCHASING OF MATERIALS AND CONSTRUCTION.

PG&E CONTACT(S): MARSHALL KELLY: 209-728-4879

BEFORE BEGINNING SUBSTRUCTURE WORK, CALL 811.

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

REVISION/ISSUE	BY

OVERALL SITE PLAN - NEW ELECTRICAL

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

HELIX *Environmental Planning*

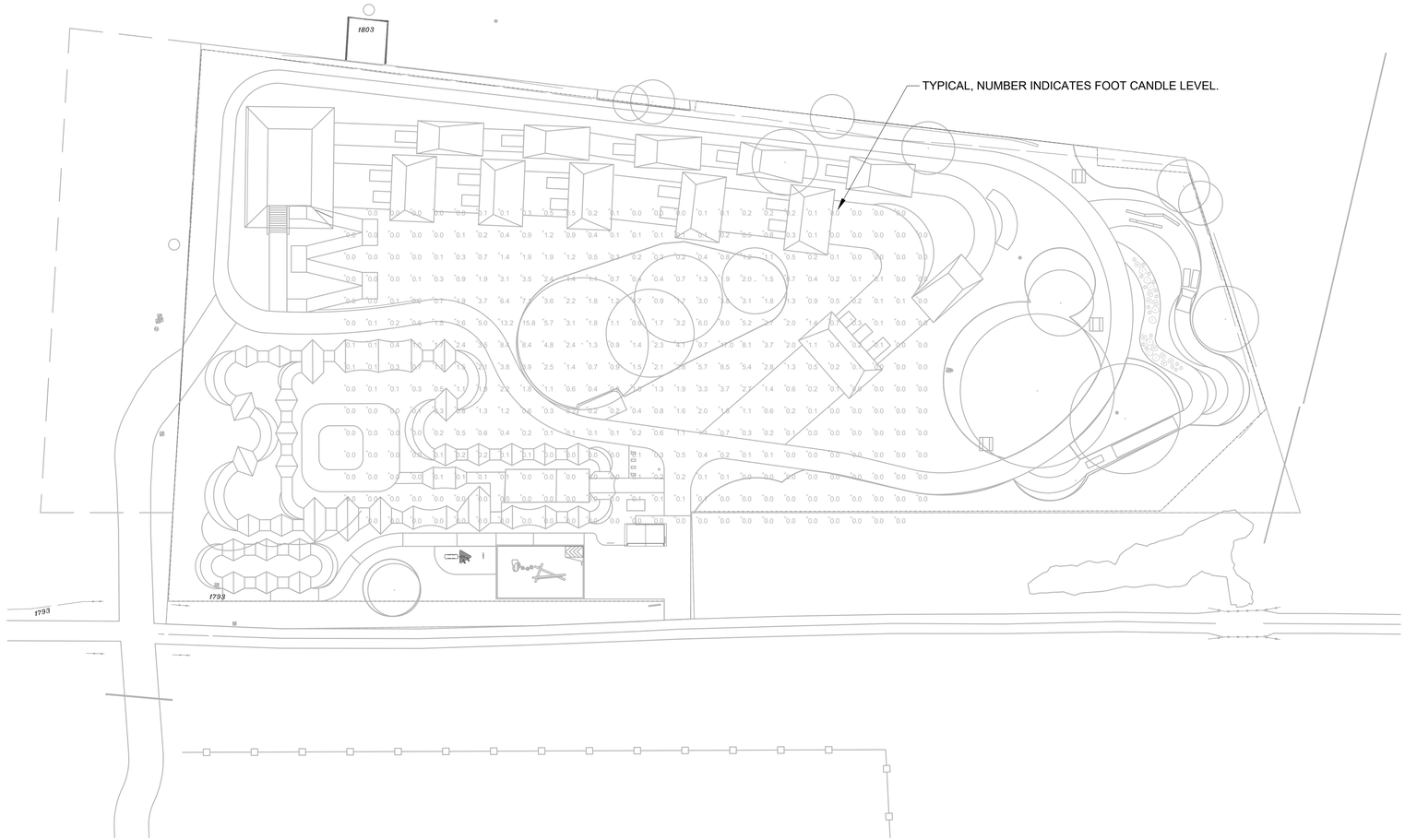
DRAWN BY Stephanie
DATE 05/14/2021
SCALE AS SHOWN
JOB NUMBER CED-04
SHEET E2.01
17 of 37

EDGE ELECTRICAL CONSULTING
1801 7th Street, Suite 150
Sacramento, CA 95811
916.256.2460

300 27th Street #201
Oakland, CA 94612
510.775.3836

PROFESSIONAL ENGINEER — No. E 017376 — ELECTRICAL — STATE OF CALIFORNIA

05/12/2021 Project Number H129 Contact Stephanie



1 OVERALL SITE PLAN - PHOTOMETRICS

SCALE: 1" = 30'-0"

NORTH

SHEET NOTES

1. EXTERIOR LIGHTING IS NOT MEANT AS A MEANS OF EGRESS. PARK SHALL BE CLOSED AFTER HOURS AND HAVE RESTRICTED ACCESS. EXTERIOR LIGHTING IS MEANT TO ACT AS MEANS TO DETER TRESPASSING AFTER HOURS. FOOT CANDLE LEVELS DO NOT REFLECT LEVELS FOR WHEN PARK IS IN USE. EXTERIOR LIGHT SHALL NOT CAUSE DISTURBANCES TO LOCAL RESIDENTIAL AREAS.

REVISION/ISSUE	BY

OVERALL SITE PLAN - PHOTOMETRICS

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

HELIX *Environmental Planning*

DRAWN BY Stephanie
DATE 05/14/2021
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JOB NUMBER CED-04
SHEET E2.02
18 of 37

EDGE ELECTRICAL CONSULTING

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300 27th Street #201
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05/12/2021 Project Number H129 Contact Stephanie

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER/CATALOG	DESCRIPTION	MOUNTING	TYPE	VOLTS	WATTS	REMARKS
A1	U.S. ARCHITECTURAL LIGHTING RZRM-PLED-III-W-48LED-525MA-NW-120-RAL-9005-T	POLELIGHT; 10,018 LUMEN; 4000K CCT; TYPE III DISTRIBUTION	14' POLE	LED	120	81.0	INTEGRATED PHOTOCELL AND OCCUPANCY SENSOR
A2	U.S. ARCHITECTURAL LIGHTING RZRM-PLED-IV-48LED-525MA-NW-120-RAL-9005-T	POLELIGHT; 10,018 LUMEN; 4000K CCT; TYPE IV DISTRIBUTION	14' POLE	LED	120	81.0	INTEGRATED PHOTOCELL AND OCCUPANCY SENSOR
A3	U.S. ARCHITECTURAL LIGHTING RZRM-PLED-IV-48LED-700MA-NW-120-RAL-9005-T	POLELIGHT; 12,600 LUMEN; 4000K CCT; TYPE IV DISTRIBUTION	14' POLE	LED	120	105.0	INTEGRATED PHOTOCELL AND OCCUPANCY SENSOR

(N) PANEL 'A'

SECTION 1 OF 1 | SERVING NORMAL | LOCATION: RESTROOM CLOSET | PANEL A.I.C. 10,000 | MOUNTING: FLUSH X, SURFACE | BUS RATING: 100 AMP | MAIN BREAKER | MAIN LUGS ONLY X | FED-THRU LUGS | SINGLE PHASE 3-WIRE | VOLTAGE 240/120

LOAD DESCRIPTION	KVA LOAD CONT.	RECP.	MOTOR	NON	C. B. AMP	POLE	CKT #	PH	CKT #	C. B. POLE	C. B. AMP	KVA LOAD CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
RESERVE FOR BUILDING ELECTRICAL				1.00	20	1	1	A	2	**1**	**20**	**0.38**				**LIGHT POLES**
RESERVE FOR BUILDING ELECTRICAL				1.00	20	1	3	B	4	1	20		0.90			EXTERIOR RECEPTACLES
RESERVE FOR BUILDING ELECTRICAL				1.00	20	1	5	A	6	1	20		0.18			INTERIOR RECEPTACLE
SITE LIGHTING	**1.04**				**20**	**1**	7	B	8	1	20				0.36	IRRIGATION CONTROLLER
SPACE				0.00	-	-	9	A	10	-	-	1.04				SPACE
SPACE				0.00	-	-	11	B	12	-	-					SPACE
TOTALS --------->	1.04	0.00	0.00	3.00								1.42	1.08	0.00	0.36	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125% :	3.08 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10,000VA, & 50% FOR REMAINDER:	1.08 KVA
TOTAL NONCOINCIDENT LOAD:	3.36 KVA
TOTAL MOTOR LOAD:	0.00 KVA
LARGEST MOTOR @ 25% : 0 KVA	0.00 KVA

TOTAL DEMAND LOAD 7.52 KVA | CONNECTED KVA TOTAL/PHASE A 3.60, B 3.30 | MINIMUM FEEDER CAPACITY 7.52 KVA 31.31 AMP

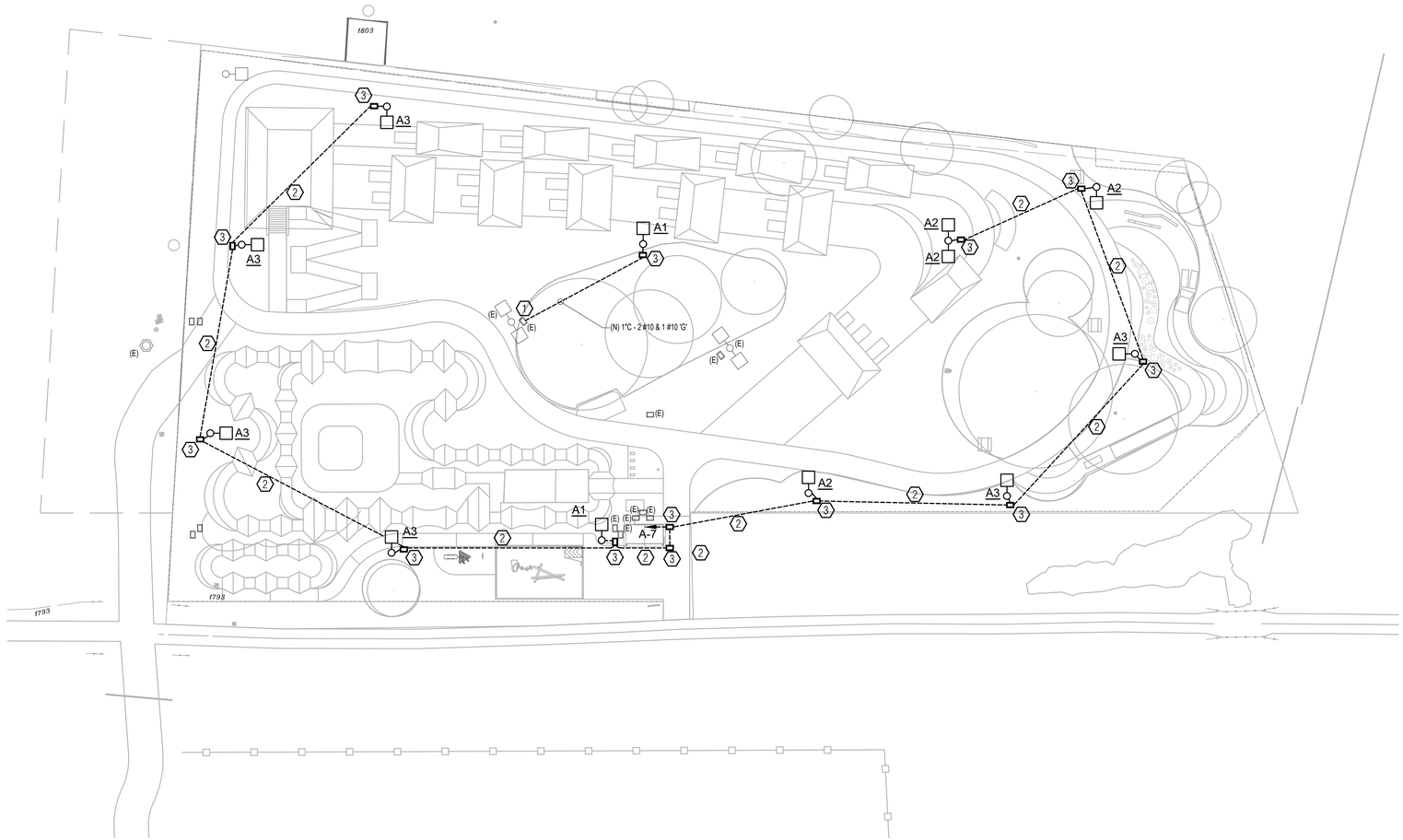
SHEET NOTES

1. ALL ASSOCIATED CONDUITS AND PULL BOXES SHALL BE INSTALLED AS PART OF THE BASE BID. LIGHTING AND CONDUCTORS SHALL BE INSTALLED LATER AS PART OF THE ADD ALT.

NUMBERED NOTES

1. EXTEND CIRCUIT FROM MAIN ELECTRICAL WORK TO THIS PULL BOX FOR ADD ALTERNATE SERVICE.
2. (N) 1"C - 2 #6 & 1 #10 'G'
3. (N) CHRISTY N9 PULL BOX. COVER TO BE LABELED "ELECTRICAL".

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



1 ENLARGED SITE PLAN - ADD ALT 4 - ELECTRICAL

SCALE: 1" = 30'-0"

NORTH

LANDSCAPE ARCHITECT OF RECORD

REGISTERED PROFESSIONAL ENGINEER — No. E 017376 — ELECTRICAL — STATE OF CALIFORNIA — 05/12/2021

EDGE ELECTRICAL CONSULTING
1801 7th Street, Suite 150, Sacramento, CA 95811, 916.256.2460
300 27th Street #201, Oakland, CA 94612, 510.775.3836

Project Number H129 Contact Stephanie

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OVERALL SITE PLAN - ADD ALT 1 - ELECTRICAL

OLD DEPOT BIKE PARK
EL DORADO COUNTY

HELIX Environmental Planning
11 NATOMA STREET, SUITE 155, FOLSOM, CALIFORNIA 95630, (916) 365-8700

DRAWN BY Stephanie
DATE 05/14/2021
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JOB NUMBER CED-04
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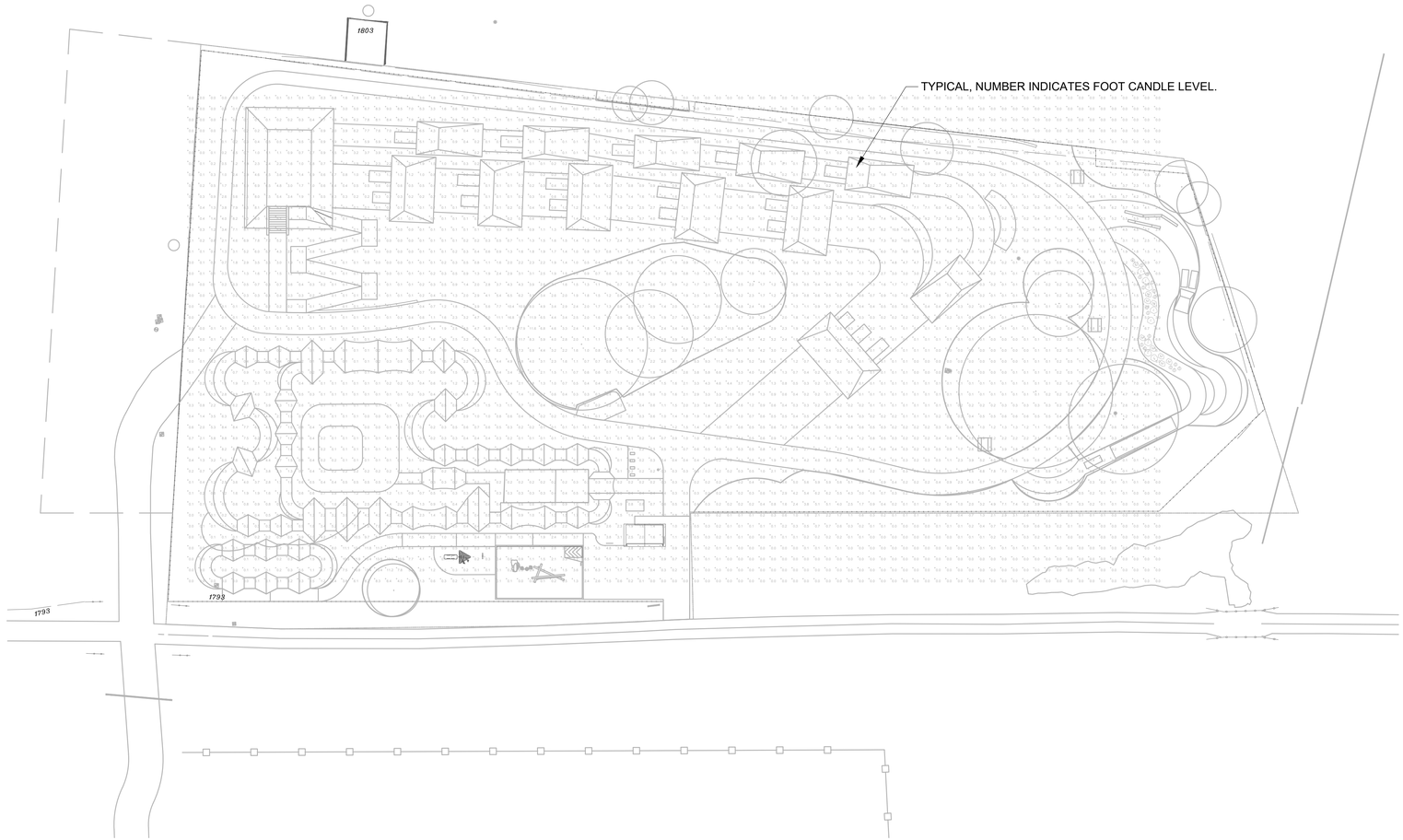

1 OVERALL SITE PLAN - ADD ALT4 - PHOTOMETRICS

SCALE: 1" = 30'-0"

NORTH

SHEET NOTES

1. EXTERIOR LIGHTING IS NOT MEANT AS A MEANS OF EGRESS. PARK SHALL BE CLOSED AFTER HOURS AND HAVE RESTRICTED ACCESS. EXTERIOR LIGHTING IS MEANT TO ACT AS MEANS TO DETER TRESPASSING AFTER HOURS. FOOT CANDLE LEVELS DO NOT REFLECT LEVELS FOR WHEN PARK IS IN USE. EXTERIOR LIGHT SHALL NOT CAUSE DISTURBANCES TO LOCAL RESIDENTIAL AREAS.

REVISION/ISSUE	BY

OVERALL SITE PLAN - ADD ALT PHOTOMETRICS

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

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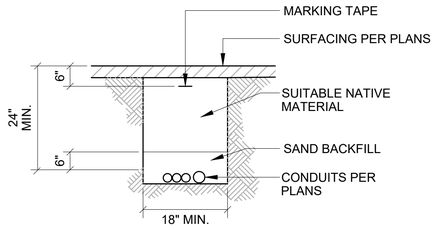
Sacramento, CA 95811
916.256.2460
300 27th Street #201
Oakland, CA 94612
510.775.3836

05/12/2021 Project Number H129 Contact Stephanie

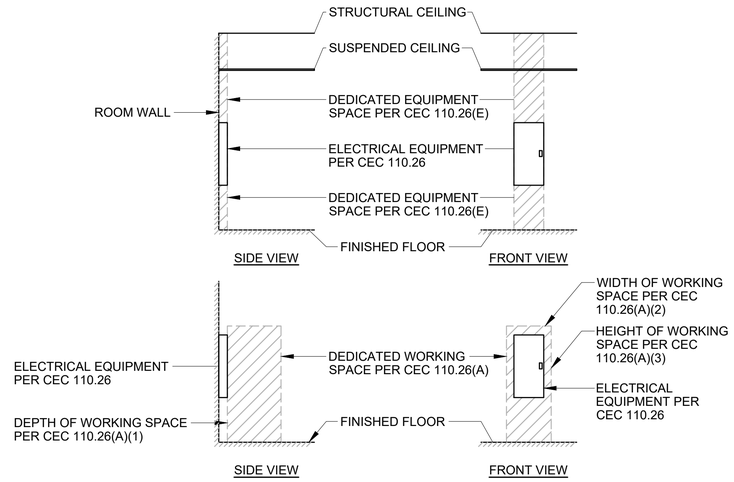


NOTES:

1. BOTTOM OF TRENCH SHALL BE SQUARE AND CLEAN.
2. REFER TO PLANS FOR QUANTITY AND SIZES OF CONDUITS.
3. NATIVE MATERIALS SHALL BE NATIVE TO THE PROJECT SITE, FREE OF WOOD, ORGANICS, AND OTHER DELETERIOUS SUBSTANCES. ROCKS SHALL NOT BE GREATER THAN 3" INCHES.
4. SAND SHALL BE FINE GRANULAR MATERIAL, FREE OF ORGANIC MATTER, MICA, LOAM OR CLAY.
5. 24" COVER IS ACCEPTABLE AT LOCATIONS W/IN THE WALK.

1 UTILITY TRENCH DETAIL

NO SCALE

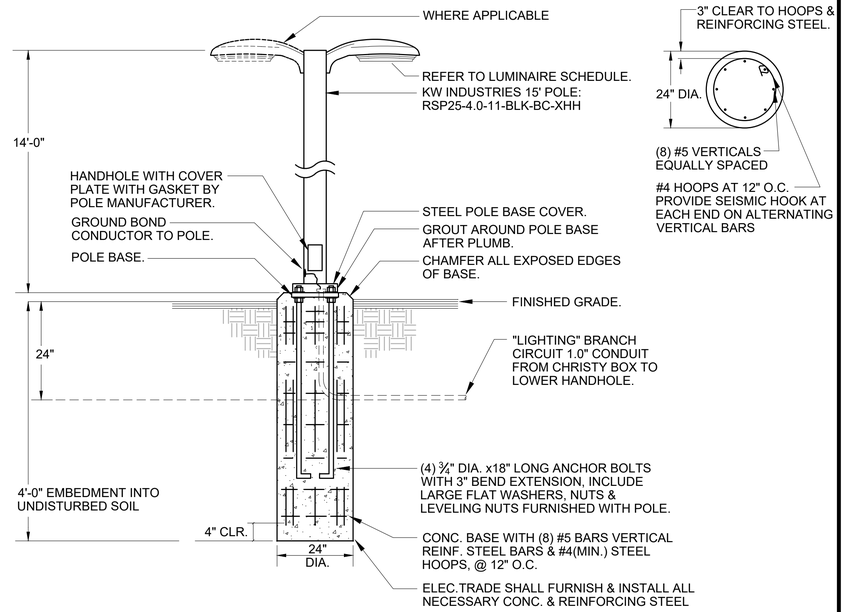


NOTES:

1. REFER TO CEC SECTION 110.26 FOR ADDITIONAL INFORMATION ON ELECTRICAL WORKING SPACE, EQUIPMENT SPACE, EGRESS PATH, AND ILLUMINATION.

2 ELECTRICAL PANEL CLEARANCE DETAIL

NO SCALE



3 POLE LIGHT WITH BASE DETAIL

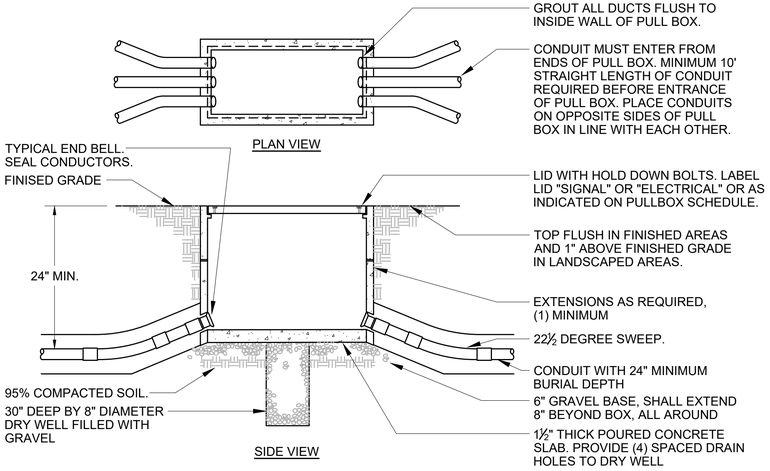
NO SCALE

PROPOSED SEQUENCE OF OPERATIONS

BLDG/SPACE TYPE	CONTROL: MANUAL CONTROL	CONTROL: TIME CLOCK	CONTROL: OCCUPANCY SENSOR	CONTROL: DAYLIGHT HARVESTING		
EXTERIOR LIGHTING			X	x	ON:	Lights will turn on and off via photocell to 50%.
					ADJUST:	When motion sensor detects that space is occupied, light shall illuminate to 100% for 5 minutes.
					OFF:	After the spaces has been vacant for 10 minutes. The lights will automatically dim to 50%.

LIGHTING CONTROL NOTES:

1. THE LIGHTS SHALL AUTOMATICALLY TURN ON TO 100% INTENSITY USING A 3 SECOND FADE RATE WHEN OCCUPANCY IS DETECTED.

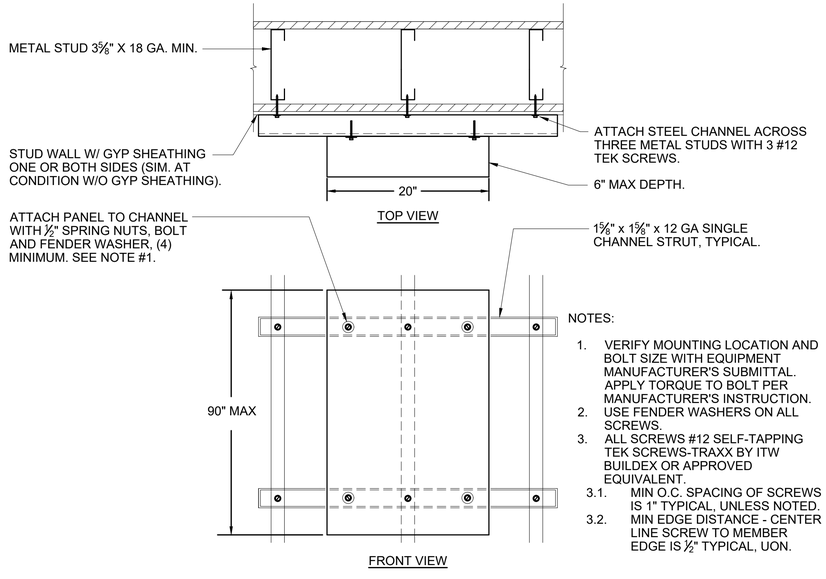


NOTES:

1. PROVIDE CONCRETE LID AT ASPHALT OR CONCRETE WALKWAY. PROVIDE GALVANIZED STEEL CHECKER PLATE LID AT ALL OTHER NON-VEHICULAR AREAS.
2. AT VEHICULAR TRAFFIC AREAS, PULLBOXES, EXTENSIONS AND LIDS SHALL BE TRAFFIC (H20) RATED. SLAB SHALL BE REINFORCED CONCRETE.

5 PULLBOX DETAIL

NO SCALE



NOTES:

1. VERIFY MOUNTING LOCATION AND BOLT SIZE WITH EQUIPMENT MANUFACTURER'S SUBMITTAL. APPLY TORQUE TO BOLT PER MANUFACTURER'S INSTRUCTION.
2. USE FENDER WASHERS ON ALL SCREWS.
3. ALL SCREWS #12 SELF-TAPPING TEK SCREWS-TRAXX BY ITW BUILDEX OR APPROVED EQUIVALENT.
   - 3.1. MIN O.C. SPACING OF SCREWS IS 1" TYPICAL, UNLESS NOTED.
   - 3.2. MIN EDGE DISTANCE - CENTER LINE SCREW TO MEMBER EDGE IS ½" TYPICAL, UON.

4 SURFACE MOUNTED PANEL ON UNISTRUT DETAIL

NO SCALE

PROFESSIONAL ENGINEER — No. E 017376 — ELECTRICAL — STATE OF CALIFORNIA

05/12/2021

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Sacramento, CA 95811
916.256.2460
300 27th Street #201
Oakland, CA 94612
510.775.3836

Project Number H129 Contact Stephanie

REVISION/ISSUE	BY

ELECTRICAL DETAILS

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

HELIX Environmental Planning
11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

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DATE 05/14/2021
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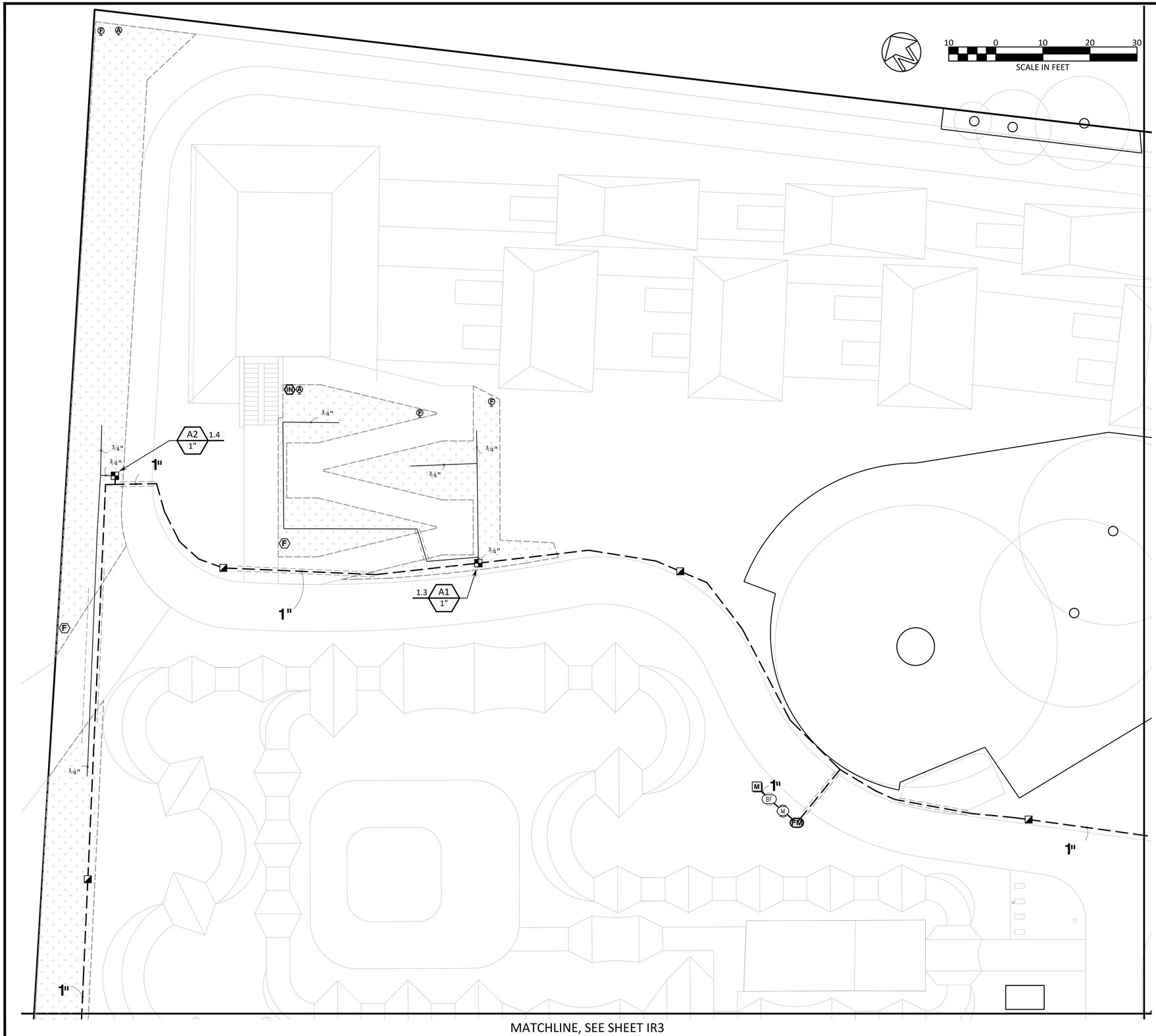
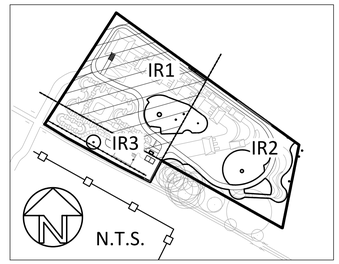
21 of 37



MATCHLINE, SEE SHEET IR2

KEYMAP



IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
	Drip Control Valve Plastic globe valve with filter, size per plan. Rain Bird PEB with inline filter RBY075MPTX or approved equal.	1/34
F	Automatic Flush Valve Automatic flush valve, Hunter AFV-B or approved equal. Install at low point of each drip lateral.	7/34
P	Manual Flush Valve Manual flush valve. Rain Bird MDCFCAP or approved equal. Install at end of drip line.	8/34
A	Air Relief Valve Hunter PLD-AVR, or approved equal. Install at high point of drip system.	4/34
IN	Drip System Operation Indicator 6" pop-up pressure indicator on flexible swing joint. Hunter ECO-ID with SJ, or approved equal. Install at farthest point of drip zone from valve. Size length of swing joint as required.	5/34
TR	Tree Ring Construct with in line drip with 0.6 GPH emitters. Hunter HDL-06 or approved equal. Each ring to have a total of 30 emitters and a flow of 0.3 GPM.	6/34
	Area to Receive Drip Emitters Drip Emitters Rainbird XB-05PC or approved equal. Install two 0.5-GPH emitters per plant.	2/34
	Area to Receive Dripline UV-resistant dripline with 0.6 GPH emitters spaced 18" O.C with check valve. Hunter HDL-06-18-CV. Place dripline 18" apart with emitters offset for triangular pattern. Secure to ground with 8" landscape staples placed 4` O.C. max.	3/34
	Quick Coupler Valve 3/4" brass quick-coupling valve with 2-piece body and yellow rubber locking cover. Hunter HQ-33DLRC, or approved equal.	4/33
M	Master Valve 1" 1" plastic globe valve. Hunter ICV-G-DC, or approved equal.	1/33
BF	Backflow Preventer 1" 1" reduced pressure backflow preventer, Wilkins 1-975XL2, or approved equal. Install on concrete pad with freeze blanket in accordance with all local codes.	Per Civil Engineer's Plans
C	Controller 12 station indoor, conventional wire controller in plastic box. Hunter PHC-1200i, or approved equal. Confirm location with client prior to installation.	See Specific-ations
WS	Weather Sensor Wireless rain and freeze sensor. Hunter WRF-CLIK, or approved equal. Mount on edge of roof per manufacturer`s recommendations.	See Specific-ations
FM	Flow Meter 1" brass flow meter. Hunter HC-100-FLOW, or approved equal.	2/33
M	Water Meter 3/4" Existing meter, locate per Civil Engineering Plans.	None
	Irrigation Lateral Line: PVC Class 200 SDR 21	5/33
	Irrigation Mainline: PVC Schedule 40	5/33
	Pipe Sleeve: PVC Schedule 80 Two times diameter of pipe being sleeved.	5/33

(#) Valve Number
(#") Valve Flow
Valve Size

REVISION/ISSUE	BY

IRRIGATION PLAN

OLD DEPOT BIKE PARK
EL DORADO COUNTY

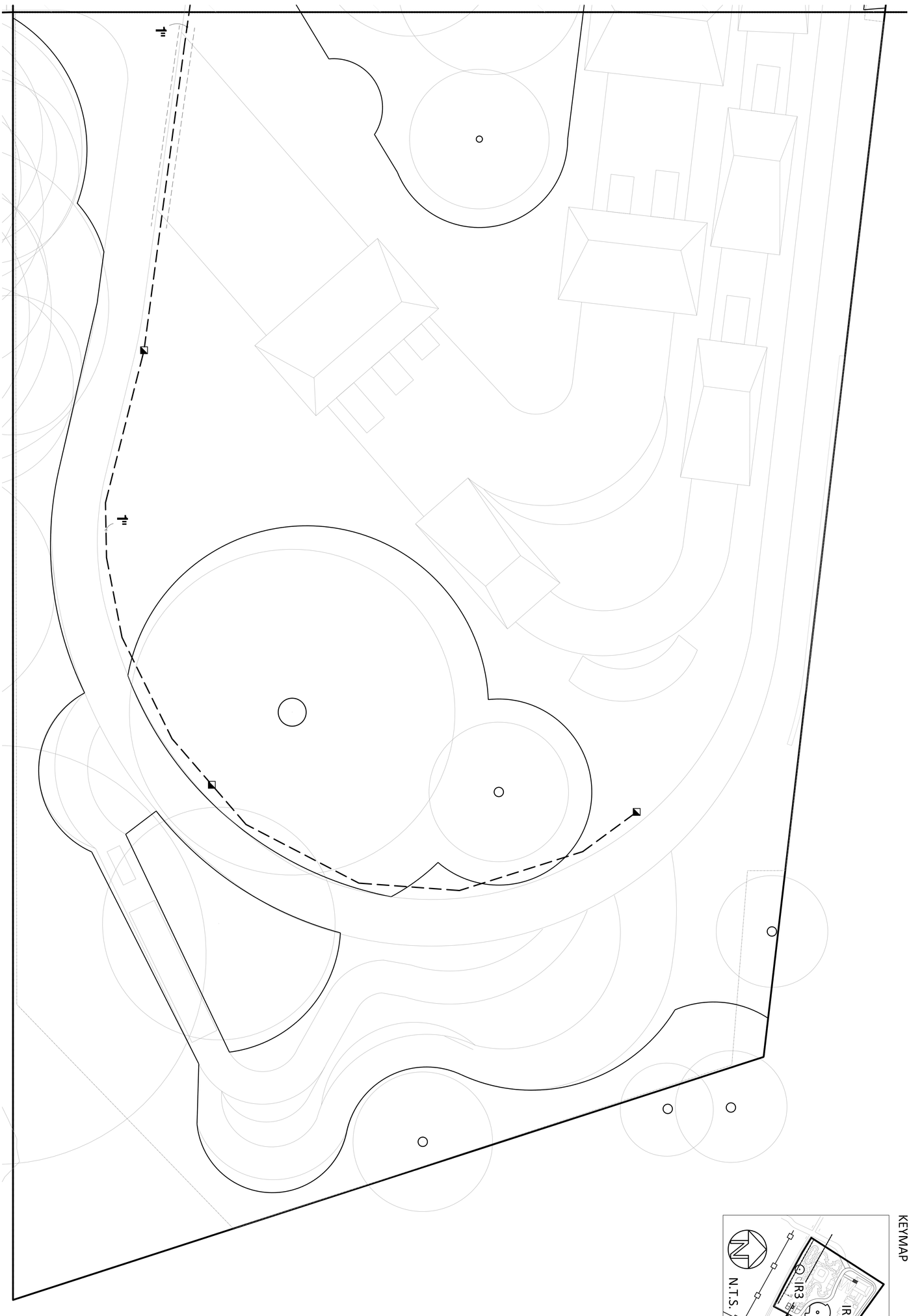
LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH M. BRANSTAD No. 5728
7/31/2022
Renewal Date
5/14/2021
Date
STATE OF CALIFORNIA

HELIX Environmental Planning
1 1 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

DRAWN BY JLL, CBH
DATE 05/14/2021
SCALE AS SHOWN
JOB NUMBER CED-04
SHEET IR1
23 of 37

MATCHLINE, SEE SHEET IR1



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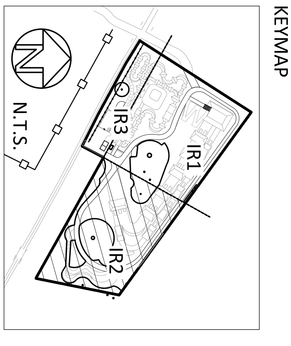

SHEET	IR2 24 of 37
JOB NUMBER	CED-04
SCALE	AS SHOWN
DATE	05/14/2021
DRAWN BY	JLL, CBH

HELIX Environmental Planning
11 NATOMA STREET, SUITE 155
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LICENSED LANDSCAPE ARCHITECT
MEREDITH A. BERTRAND
7/31/2022
STATE OF CALIFORNIA

LANDSCAPE ARCHITECT OF RECORD

OLD DEPOT BIKE PARK
EL DORADO COUNTY

IRRIGATION PLAN

REVISION/ISSUE	BY

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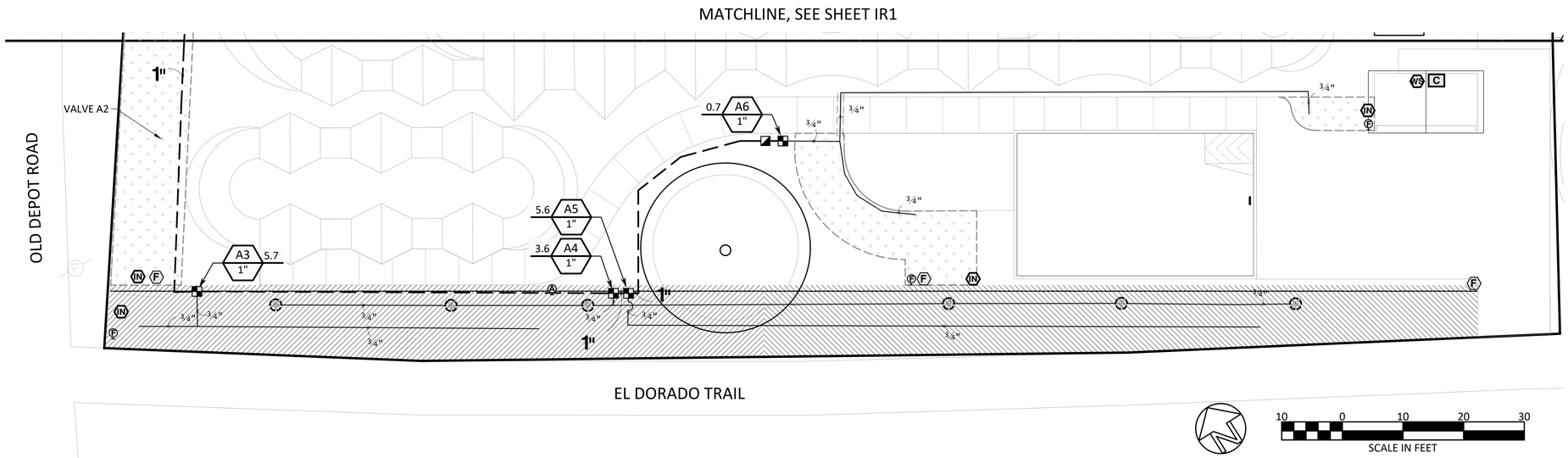

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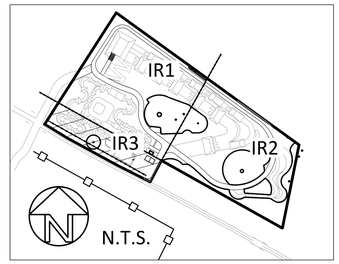

IRRIGATION NOTES

SPECIFICATIONS: SEE IRRIGATION SPECIFICATIONS AND GENERAL NOTES FOR ADDITIONAL INFORMATION INCLUDING UTILITIES VERIFICATION, PROTECTION, AND RESTORATION INFORMATION AND REQUIREMENTS.

SYSTEM DESIGN: SYSTEM FEATURES ARE SHOWN DIAGRAMMATICALLY FOR GRAPHIC CLARITY. THE SYSTEM DESIGN IS BASED ON 40 PSI AND 15 GPM AVAILABLE AT THE POINT OF CONNECTION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THESE REPORTED READINGS PRIOR TO CONSTRUCTION. IF A DISCREPANCY EXISTS BETWEEN THE REPORTED AND THE FOUND READINGS THAT WILL ADVERSELY AFFECT THE OPERATION OF THE SYSTEM, CEASE CONSTRUCTION ACTIVITY AND NOTIFY THE CLIENT REPRESENTATIVE AT ONCE BY TELEPHONE AND IN WRITING. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION FROM THE CLIENT REPRESENTATIVE BEFORE PROCEEDING WITH IRRIGATION SYSTEM INSTALLATION. IN THE EVENT A PRESSURE DISCREPANCY IS NOT REPORTED IN WRITING PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.

CODES: INSTALLATION SHALL OCCUR IN ACCORDANCE WITH ALL LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS. NOTIFY THE CLIENT REPRESENTATIVE BY TELEPHONE AND IN WRITING OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

SYSTEM INSTALLATION: INSTALL IRRIGATION SYSTEM AS SHOWN ON PLAN AND CONSTRUCTION DETAILS. DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS DIAGRAMMATICALLY SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DIFFERENCES IN SITE DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN FORESEEN AND CONSIDERED IN THE IRRIGATION SYSTEM DESIGN. INSTALL ALL PIPING AND VALVES IN COMMON TRENCHES WHERE FEASIBLE AND INSIDE PLANTING AREAS WHENEVER POSSIBLE. PROTECT EXISTING TREES BY NOT TRENCHING WITHIN 5 FEET OF EXISTING TRUNKS. IF TRENCHING IS NECESSARY WITHIN THE DRIPLINE OF EXISTING TREES, TRENCH BY HAND-DIGGING OR PNEUMATICALLY. APPLY WATER AS NECESSARY TO MAINTAIN MOIST SOIL WITHIN DISTURBED ROOT ZONES, ESPECIALLY DURING SUMMER MONTHS. ALL VALVES SHALL BE LOCATED IN GROUNDCOVER/SHRUB AREAS WHENEVER FEASIBLE AND INSTALLED A MAXIMUM OF 12" AWAY FROM BACK OF WALKS. MAINLINE SHALL BE ROUTED AT THE BACK OF WALK AS MUCH AS POSSIBLE. IF DIFFERENCES OR OBSTRUCTIONS EXIST IN THE FIELD THAT WILL NOT ALLOW FOR THE INSTALLATION OF THE IRRIGATION SYSTEM AS DIAGRAMMATICALLY SHOWN, THE CLIENT REPRESENTATIVE SHOULD BE INFORMED BY TELEPHONE AND IN WRITING BEFORE PROCEEDING. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS AND REPAIR WORK NECESSARY.

TESTING: PRIOR TO BACKFILLING TRENCHES THE CONTRACTOR SHALL CHARGE THE MAINLINE AND TEST SYSTEM FOR LEAKS AND REPAIR THE MAINLINE AS NECESSARY. THE CONTRACTOR SHALL ALSO TEST THE CONTROLLER AND WIRING SYSTEM TO VALVES ENSURING OPERABILITY PRIOR TO BACKFILLING TRENCHES.

BACKFLOW PREVENTER: LOCATE PER PLAN, AND OBTAIN APPROVAL FROM THE CLIENT REPRESENTATIVE PRIOR TO INSTALLATION.

CONTROLLER: THE FINAL LOCATION OF THE AUTOMATIC CONTROLLER SHALL BE APPROVED BY THE CLIENT REPRESENTATIVE PRIOR TO INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING CONDUIT AND WIRE FROM SECONDARY SERVICE POINT TO CONTROLLER PER PLAN. SEE PLANS FOR ADDITIONAL INFORMATION.

SLEEVING: CONTRACTOR SHALL ADEQUATELY SIZE ALL SLEEVES SHOWN ON PLAN. SLEEVES SHALL BE INSTALLED AT THE NECESSARY DEPTHS PRIOR TO PAVEMENT CONSTRUCTION AS SHOWN ON PLANS. SLEEVING SHALL EXTEND 12" BEYOND THE EDGE OF PAVING INTO LAWN OR PLANTING AREA. HAVE ENDS SEALED AND MARKED CLEARLY ABOVE GRADE. IN THE EVENT THAT THE CONTRACTOR FAILS TO INSTALL THE SLEEVES AS NOTED ABOVE, ANY ADDITIONAL WORK AND COSTS TO INSTALL THE SLEEVES FOLLOWING PAVEMENT INSTALLATION SHALL BE AT CONTRACTOR'S COST.

QUICK COUPLING VALVES: PROVIDE CITY WITH ONE OPERATING KEY, TWO SETS OF LOCKING COVER KEYS, AND ONE HOSE SWIVEL.

FIELD ADJUSTMENTS: SUBSTITUTIONS OF EQUIPMENT ARE NOT ALLOWED. ALL MATERIALS SHALL BE NEW AND INSTALLED IN A WAY THAT PROVIDES A COMPLETE AND EFFICIENT OPERATING SYSTEM. FIELD ADJUSTMENTS MAY BE REQUIRED TO PROVIDE OPTIMUM OPERATING EFFICIENCY -- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE CLIENT REPRESENTATIVE TO REVIEW PROPOSED FIELD ADJUSTMENTS PRIOR TO INSTALLATION. IF WRITTEN NOTIFICATION IS NOT RECEIVED AND RESPONDED TO BY THE CLIENT REPRESENTATIVE THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.

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

5/14/2021

MEREDITH BRANSTAD, PLA, CA LICENSE #5122 — DATE

HELIX ENVIRONMENTAL PLANNING

IRRIGATION SCHEDULE

VALVE NUMBER	P.R. INCH/HR	GPM	WATER USE	TYPE	WATERING INTERVAL: DAYS PER WEEK/MINUTES PER CYCLE											
					JAN 0.9 ETo	FEB 1.7 ETo	MAR 2.5 ETo	APR 3.9 ETo	MAY 5.9 ETo	JUN 7.2 ETo	JUL 7.8 ETo	AUG 6.8 ETo	SEP 5.1 ETo	OCT 3.1 ETo	NOV 1.5 ETo	DEC 0.9 ETo
A1	0.23	1.3	LOW	EMITTERS	1-20	2-19	2-27	3-28	3-43	3-52	3-56	3-49	3-37	2-34	1-33	1-20
A2	0.23	1.4	LOW	EMITTERS	1-20	2-19	2-27	3-28	3-43	3-52	3-56	3-49	3-37	2-34	1-33	1-20
A3	0.43	5.7	LOW	DRIPLINE	1-11	1-20	1-29	2-23	2-35	3-28	3-30	3-26	2-30	1-36	1-18	1-11
A4	0.88	3.6	LOW	TREE RINGS	1-5	1-10	1-14	1-22	1-34	2-21	2-22	2-20	1-29	1-18	1-9	1-5
A5	0.43	5.6	LOW	DRIPLINE	1-11	1-20	1-29	2-23	2-35	3-28	3-30	3-26	2-30	1-36	1-18	1-11
A6	0.23	0.7	LOW	EMITTERS	1-20	2-19	2-27	3-28	3-43	3-52	3-56	3-49	3-37	2-34	1-33	1-20

NOTES:
1. WATERING TIMES ARE BASED ON WEEKLY APPLICATION RATES (IN INCHES).
2. THIS IRRIGATION SCHEDULE IS BASED ON A 9 HOUR WATERING WINDOW. THE IRRIGATION SYSTEM SHALL OPERATE BETWEEN 10 P.M. AND 7 A.M.
3. DURING THE LANDSCAPE ESTABLISHMENT PERIOD, INCREASE THE OPERATION RUN TIME BY 20%.
4. DUE TO UNFORESEEN SITE CONDITIONS AND WEATHER, THE IRRIGATION SYSTEM RUN TIMES MAY NEED TO BE ADJUSTED AS NECESSARY TO ENSURE THAT PROPER MOISTURE IS MAINTAINED IN THE LANDSCAPE.
5. WATERING TIMES ARE BASED ON ANNUAL EVAPOTRANSPIRATION OF 47.3 INCHES PER YEAR, IN ACCORDANCE WITH APPENDIX A OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE.
6. EACH VALVE SHOULD BE OPERATED SO AS TO NOT EXCEED 6 GPM FLOW THROUGH METER.

WATER USE CALCULATIONS

REFERENCE EVAPOTRANSPIRATION (ETo): 47.3		PROJECT TYPE: NON-RESIDENTIAL		ALLOWED MAX ETAF:.45		ETWU=(ETo)(0.62)(ETAF*LA)	
HYDROZONE # AND PLANTING DESCRIPTION	PLANT FACTOR (PF)	IRRIGATION METHOD	IRRIGATION EFFICIENCY (IE)	ETAF (PF/IE)	LANDSCAPE AREA (SQ. FT.)	ETAF X AREA	ESTIMATED TOTAL WATER USE (ETWU)
REGULAR LANDSCAPE AREAS							
A1, A2, A3, A5, A6 - LOW WATER USE SHRUBS AND GROUNDCOVER	0.3	DRIP	0.81	0.37	6,545	2,424	71,088
A4 - LOW WATER USE TREES	0.3	DRIP	0.81	0.37	170	63	1,846
TOTALS					6,715	2,487	72,935
SPECIAL LANDSCAPE AREAS							
							N/A
THE ETWU IS LESS THAN THE MAWA, PROJECT IS COMPLIANT WITH REQUIREMENTS						ETWU	72,935
MAWA = (ETo)(0.62)(.45*LA) = (47.3)(0.62)(.45*13,700) =						MAWA	88,616

ETAF CALCULATIONS

REGULAR LANDSCAPE AREAS	
TOTAL ETAF X AREA	2,487
TOTAL AREA	6,715
AVERAGE ETAF	0.37
AVERAGE ETAF IS LESS THAN .45, PROJECT IS COMPLIANT WITH REQUIREMENTS	

REVISION/ISSUE	BY

IRRIGATION PLAN

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH A. BRANSTAD
No. 5122
7/31/2022
5/14/2021
STATE OF CALIFORNIA

11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

HELIX Environmental Planning

DRAWN BY JLL, CBH
DATE 05/14/2021
SCALE AS SHOWN
JOB NUMBER CED-04
SHEET IR3
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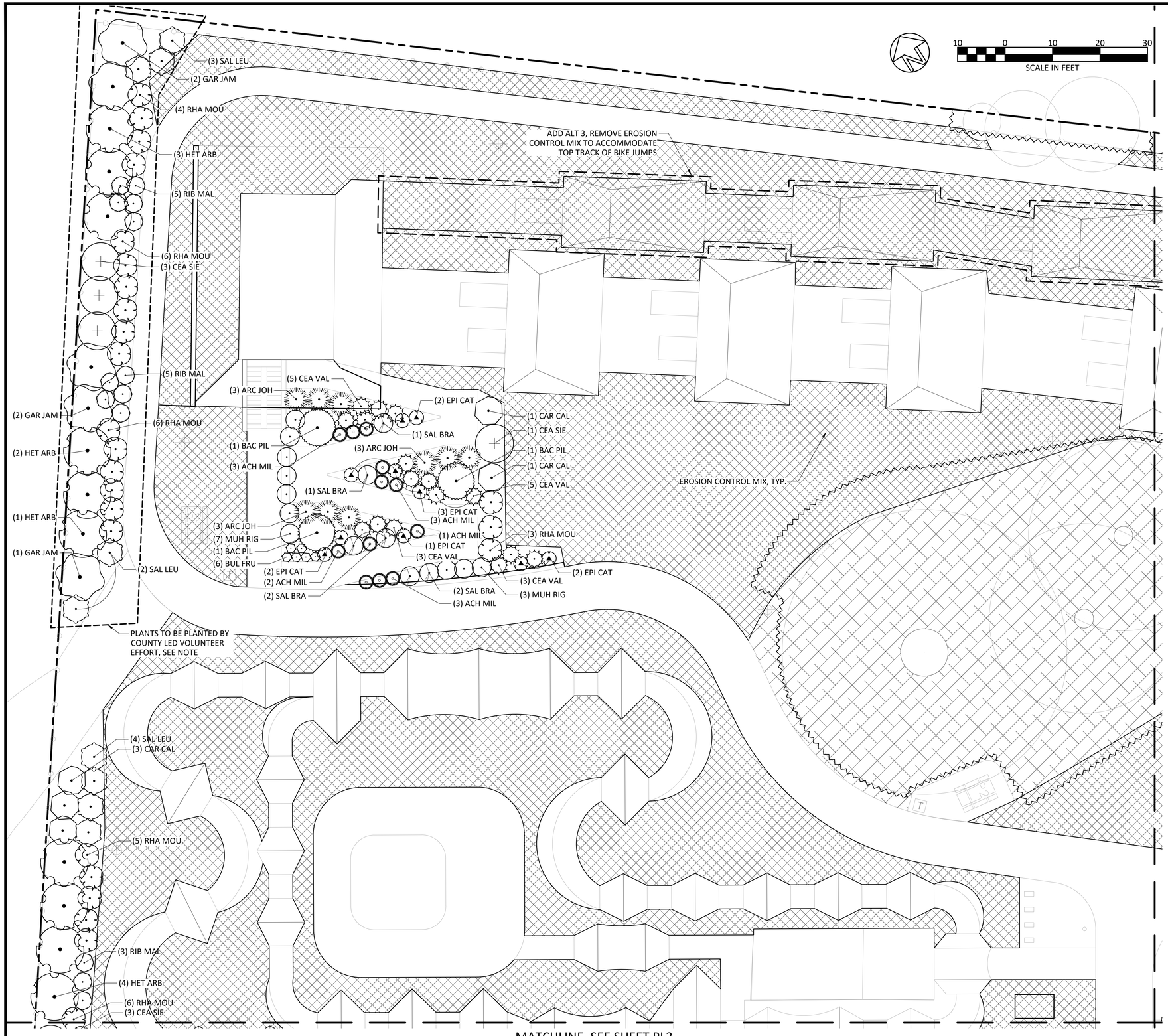

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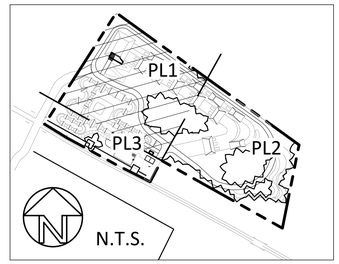


PLANTING NOTES

SPECIFICATIONS: SEE TECHNICAL SPECIFICATIONS AND GENERAL NOTES FOR ADDITIONAL INFORMATION INCLUDING UTILITIES VERIFICATION, PROTECTION, AND RESTORATION INFORMATION / REQUIREMENTS.

EXISTING PLANT MATERIAL: PROTECT ALL EXISTING TREES TO REMAIN. CONTRACTOR TO REPAIR AT NO ADDITIONAL COST ANY DAMAGES INCURRED AS A RESULT OF THIS CONTRACT TO THE CLIENT REPRESENTATIVE'S SATISFACTION.

SUBSTITUTIONS: WITHIN 10 DAYS OF AWARD OF CONTRACT, THE CONTRACTOR SHALL NOTIFY THE CLIENT REPRESENTATIVE BY TELEPHONE OR IN WRITING IF SPECIFIED PLANT MATERIALS ARE UNAVAILABLE. UNDER SUCH CONDITIONS, THE CLIENT REPRESENTATIVE WILL PROVIDE ALTERNATE PLANT MATERIAL SELECTIONS FOR PLANTS THAT ARE UNAVAILABLE. OTHERWISE, THE CONTRACTOR WILL BE RESPONSIBLE FOR FINDING ALTERNATIVE PLANT MATERIAL SELECTIONS AT HIS COST AND SUBJECT TO APPROVAL OF THE CLIENT REPRESENTATIVE. SUCH CHANGES WILL NOT ALTER THE CONTRACTOR'S ORIGINAL BID PRICE UNLESS A CREDIT IS DUE TO THE OWNER.

IRRIGATION: IN PROJECT AREAS WHERE IRRIGATION IS REQUIRED, THE CONTRACTOR SHALL ENSURE THE IRRIGATION SYSTEM IS OPERATIONAL AND APPROVED BY THE CLIENT REPRESENTATIVE PRIOR TO PLANTING.

QUANTITIES: THE QUANTITIES SHOWN ON THE PLANT LIST AND IN LABELS ARE FOR THE LANDSCAPE ARCHITECT'S USE AND ARE NOT TO BE CONSTRUED AS THE COMPLETE AND ACCURATE QUANTITY OF THE PLANTS REQUIRED FOR THE CONTRACT. CONTRACTOR SHALL FURNISH AND INSTALL ALL PLANTS SHOWN SCHEMATICALLY ON THE DRAWINGS. EXCEPT IN VOLUNTEER PLANTING AREA, AS NOTED BELOW.

SOIL AMENDMENT: ALL SHRUB PLANTING AREA SOILS ARE TO BE AMENDED WITH ORGANIC OR CARBON BASED FERTILIZER AS FOLLOWS: APPLY GRO-POWER PLUS WITH MYCORRHIZAE OR APPROVED EQUAL AT A RATE OF 150 POUNDS, NITRIFIED BULK ORGANIC AMENDMENT AT A RATE OF 1 CUBIC YARD, AND SOIL SULFUR AT A RATE OF 25 POUNDS OF PER 1000 SQUARE FEET. APPLY AMENDMENT AND ROTOTILL A MINIMUM OF TWO DIRECTIONS TO A DEPTH OF SIX INCHES. AFTER SOIL PREPARATION AND BEFORE PLANTING, APPLY 3" OF WATER TO ENTIRE SHRUB PLANTING AREA.

DRAINAGE: THE CONTRACTOR SHALL ENSURE ALL EXCAVATED PLANT PITS HAVE POSITIVE DRAINAGE. PLANT PITS WHEN FULLY FILLED WITH WATER SHALL DRAIN WITHIN 1 HOUR OF FILLING. IF AN IMPERMEABLE SOIL LAYER (i.e. HARDPAN) EXISTS, DRILL A 6 INCH DIAMETER AUGURED HOLE THROUGH LAYER OR TO A 10 FOOT DEPTH -- WHICHEVER IS LESS. FILL AUGURED HOLE WITH BACKFILL MIX OR DRAIN ROCK.

DELIVERY AND STORAGE: THE CONTRACTOR IS RESPONSIBLE FOR WATERING AND PROTECTING ALL PLANTS AND MATERIALS STORED ON SITE. PLANT MATERIAL SHALL BE PLANTED WITHIN 3 WORKING DAYS FOLLOWING DELIVERY TO THE SITE. THE PLANT MATERIAL SHALL BE INSPECTED AND APPROVED BY THE CLIENT REPRESENTATIVE PRIOR TO PLANTING.

VOLUNTEER PLANTING: CONTRACTOR SHALL PROVIDE ALL PLANTS AS SHOWN ON PLANS. PLANTS IDENTIFIED ON PLANS SHALL BE PLANTED BY VOLUNTEERS MANAGED BY THE COUNTY. CONTRACTOR SHALL COORDINATE PLANT DELIVERY WITH COUNTY TO ENSURE PLANTS ARE AVAILABLE AND IN GOOD CONDITION PRIOR TO VOLUNTEER PLANTING. CONTRACTOR SHALL ALSO COORDINATE SITE CONDITION WITH COUNTY TO ENSURE SITE IS SUITABLE FOR VOLUNTEER ACCESS. SOIL AMENDMENTS SHALL BE COMPLETED BY CONTRACTOR PRIOR TO VOLUNTEER PLANTING AND IRRIGATION SHALL BE COMPLETED AFTER VOLUNTEER PLANTING IS COMPLETE.

HYDROSEED: THE CONTRACTOR SHALL HYDROSEED ALL AREAS DISTURBED BY GRADING AND WHICH ARE NOT RECEIVING OTHER IMPROVEMENTS (EX: PAVING). IF ADDITIVE ALTERNATIVE IS SELECTED, DO NOT HYDROSEED AREAS WITH PROPOSED ADDITIVE ALTERNATIVE IMPROVEMENTS, PER PLANS.

TREES: TREES SHALL NOT BE PLANTED WITHIN 5 FEET OF A WATER MAIN AS MEASURED FROM THE EDGE OF THE TRUNK.

WOOD MULCH: THE CONTRACTOR SHALL INSTALL A 3 INCH LAYER OF RECYCLED WOOD MULCH IN ALL SHRUB/GROUNDCOVER PLANTING AREAS AND WHERE SHOWN ON PLAN. MULCH SHALL NOT BE APPLIED WITHIN 1 FOOT OF EXISTING TREES TO REMAIN.

* SEE PL3 FOR PLANTING LEGEND

REVISION/ISSUE	BY

PLANTING PLAN

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH A. BRANSTAD
Signature
7/31/2022
Date
5/14/2021
Date
STATE OF CALIFORNIA

11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

HELIX Environmental Planning

DRAWN BY	JLL, CBH
DATE	05/14/2021
SCALE	AS SHOWN
JOB NUMBER	CED-04
SHEET	PL1
	26 of 37

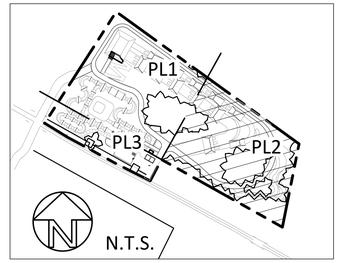
MATCHLINE, SEE SHEET PL1

ADD ALT 3, REMOVE EROSION CONTROL MIX TO ACCOMMODATE TOP TRACK OF BIKE JUMPS

EROSION CONTROL MIX, TYP.

ADD ALT 2, REMOVE EROSION CONTROL MIX TO ACCOMMODATE BIKE SKILLS

KEYMAP



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SCALE IN FEET

REVISION/ISSUE	BY

PLANTING PLAN

OLD DEPOT BIKE PARK

EL DORADO COUNTY

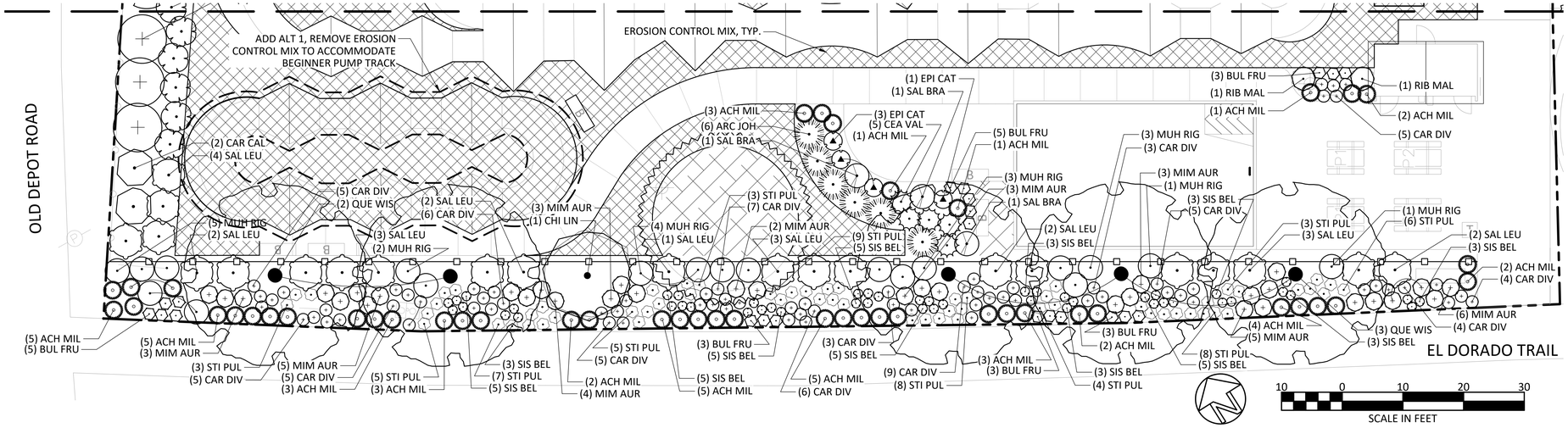
LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH M. BRANSTAD
No. 6124
7/31/2022
Renewal Date
5/14/2021
Date
STATE OF CALIFORNIA

HELIX Environmental Planning
11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

DRAWN BY JLL, CBH
DATE 05/14/2021
SCALE AS SHOWN
JOB NUMBER CED-04
SHEET PL2
27 of 37

MATCHLINE, SEE SHEET PL1



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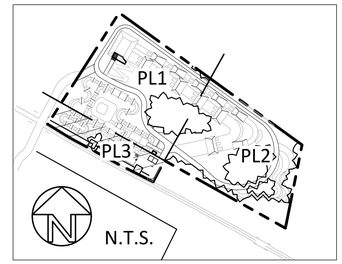

PLANT LEGEND

TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE	QTY
	CHI LIN	Chilopsis linearis	Desert Willow	15 gal	Low	1
	QUE WIS	Quercus wislizenii	Interior Live Oak	15 gal	Low	5

SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE	QTY
	ACH MIL	Achillea millefolium	Common Yarrow	1 gal	Low	59
	ARC JOH	Arctostaphylos x `John Dourley`	John Dourley Manzanita	1 gal	Low	15
	BAC PIL	Baccharis pilularis `Pigeon Point`	Creeping Coyote Bush	1 gal	Low	3
	BUL FRU	Bulbine frutescens	Cape Balsam	1 gal	Low	28
	CAR DIV	Carex divulsa	Berkeley Sedge	1 gal	Low	72
	CAR CAL	Carpenteria californica	Bush Anemone	5 gal	Low	7
	CEA SIE	Ceanothus cyaneus `Sierra Blue`	Sierra Blue Ceanothus	5 gal	Low	7
	CEA VAL	Ceanothus maritimus `Valley Violet`	Maritime Ceanothus	5 gal	Low	21
	EPI CAT	Epilobium canum `Catalina`	Catalina Fuchsia	1 gal	Low	14

SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE	QTY
	GAR JAM	Garrya elliptica `James Roof`	James Roof Silktassel	5 gal	Low	5
	HET ARB	Heteromeles arbutifolia	Toyon	5 gal	Very Low	10
	MIM AUR	Mimulus aurantiacus	Sticky Monkey Flower	1 gal	Low	34
	MUH RIG	Muhlenbergia rigens	Deer Grass	1 gal	Low	29
	RHA MOU	Rhamnus californica `Mound San Bruno`	California Coffeeberry	5 gal	Low	30
	RIB MAL	Ribes malvaceum	Chaparral Currant	1 gal	Very Low	15
	SAL BRA	Salvia brandegeei	Santa Rosa Island Sage	5 gal	Low	9
	SAL LEU	Salvia leucophylla	Purple Leaf Sage	5 gal	Low	31
	SIS BEL	Sisyrinchium bellum	Blue Eyed Grass	1 gal	Low	48
	STI PUL	Stipa pulchra	Purple Needle Grass	1 gal	Very Low	61

SEED LEGEND

	lbs/Acre
EROSION CONTROL MIX - 15,151 sf	
Basic Native Erosion Control Mix	32
California Native Wildflower MIx	10

WOOD MULCH, SEE NOTES

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

MEREDITH BRANSTAD, PLA, CA LICENSE #5122 DATE
HELIX ENVIRONMENTAL PLANNING

REVISION/ISSUE	BY

PLANTING PLAN

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH M. BRANSTAD
No. 5122
7/31/2022
Renewal Date
5/14/2021
STATE OF CALIFORNIA

11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

HELIX Environmental Planning

DRAWN BY JLL, CBH
DATE 05/14/2021
SCALE AS SHOWN
JOB NUMBER CED-04
SHEET PL3
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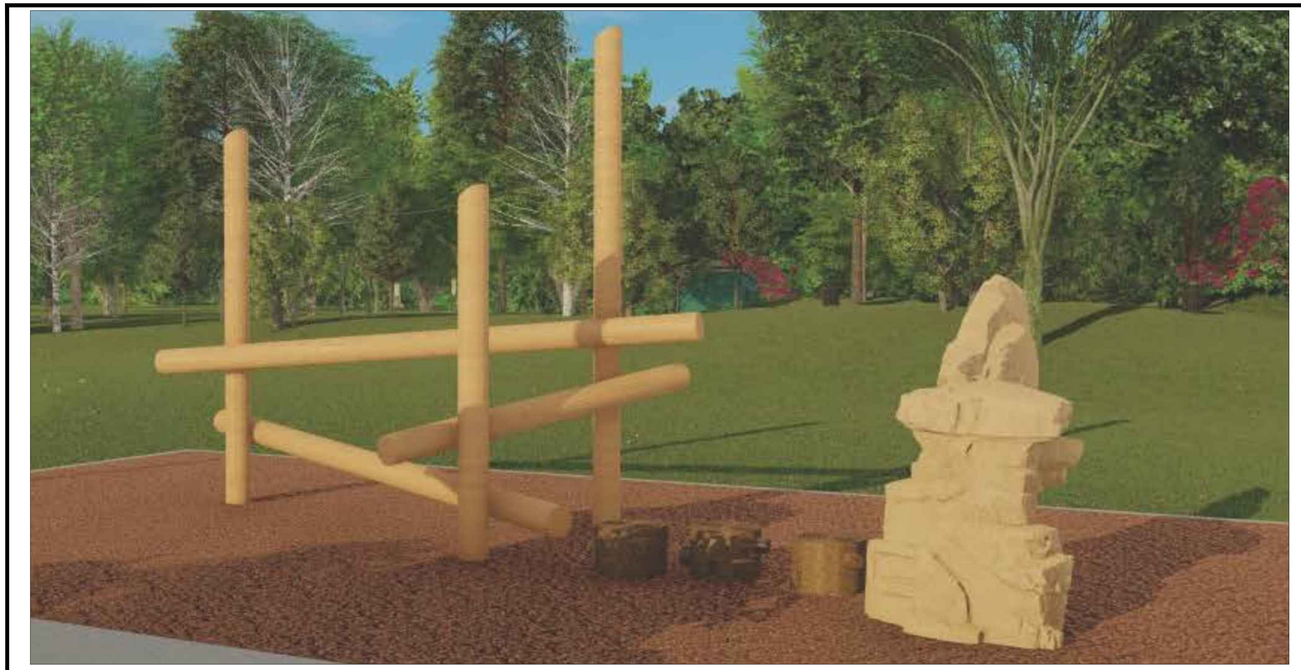
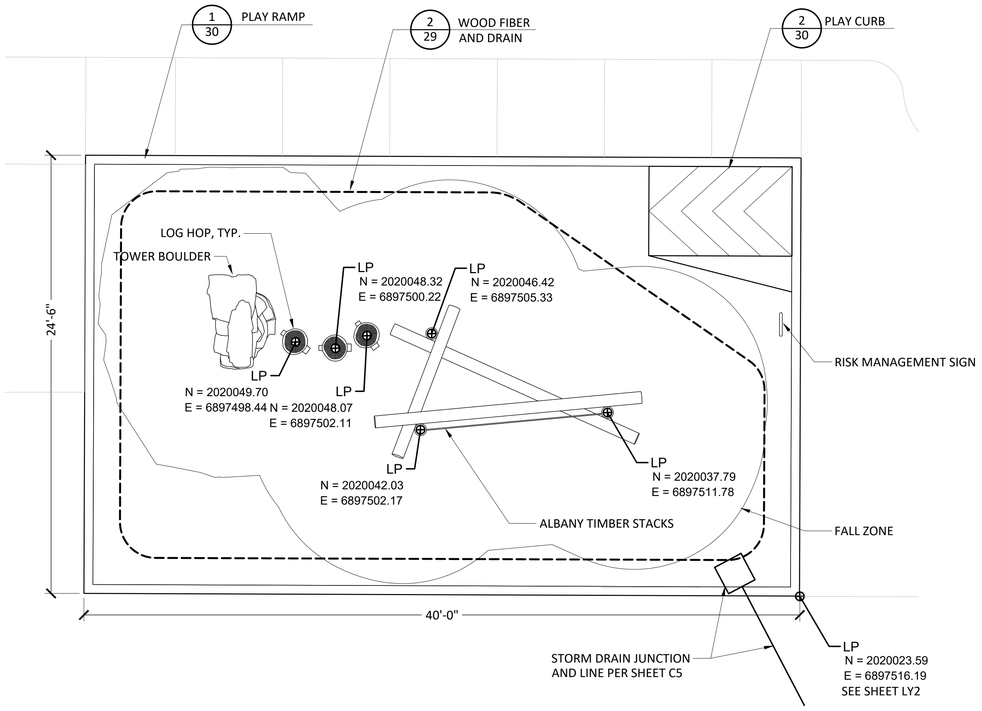
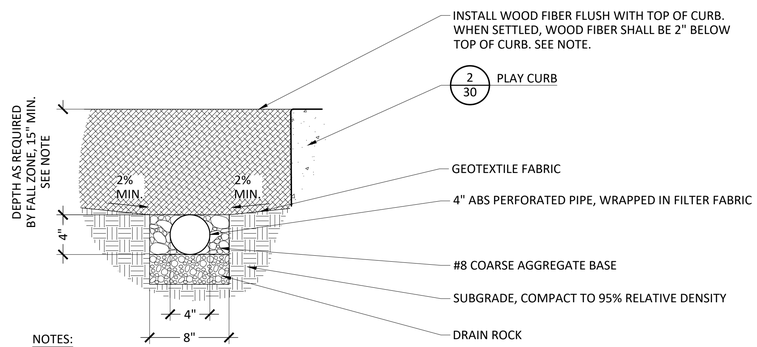




NOTES:
1. SEE SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS FOR PLAY EQUIPMENT, FALL ZONES, AND SURFACING.
2. MANUFACTURER WILL PROVIDE FOOTING DESIGN UPON ORDER OF EQUIPMENT. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL, SEE SPECIFICATIONS.

1 PLAYGROUND ENLARGEMENT

N.T.S.



NOTES:
1. 1% MIN. DRAIN PIPE SLOPE
2. SLOPE SURFACE OF SUBGRADE TOWARD DRAIN PIPE TRENCH 2% MIN.
3. WOOD FIBER SHALL BE INSTALLED 15" DEEP AND FLUSH WITH TOP OF CURB. WOOD FIBER SHALL BE MIN. 12" DEEP AND 2" BELOW TOP OF CURB AFTER THREE MONTHS OF SETTLING. WHERE BELOW GROUND UTILITIES ARE WITHIN PLAYGROUND AND OUTSIDE OF FALL ZONE, MIN. 8" OF SETTLED WOOD FIBER COVERAGE REQUIRED.

2 WOOD FIBER AND DRAIN

N.T.S.

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DETAILS

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH M. BRANSTAD
No. 5712
7/31/2022
Date
5/14/2021
Date
STATE OF CALIFORNIA

11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

HELIX Environmental Planning

DRAWN BY	JLL, CBH
DATE	05/14/2021
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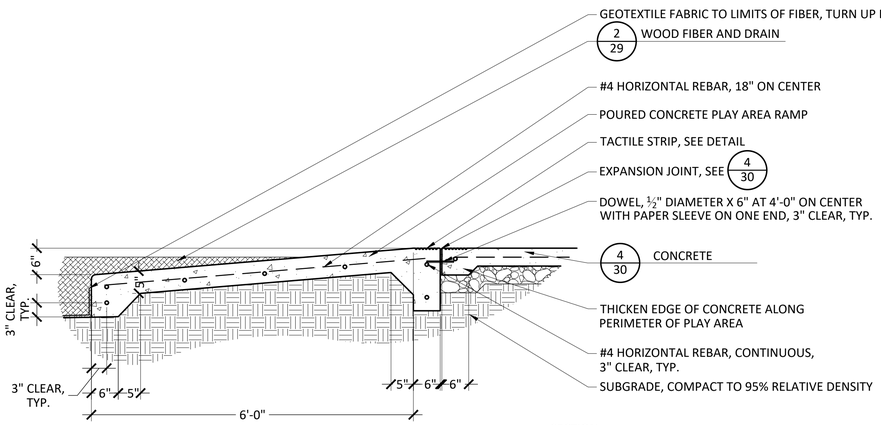
SHEET	DT1
	29 of 37



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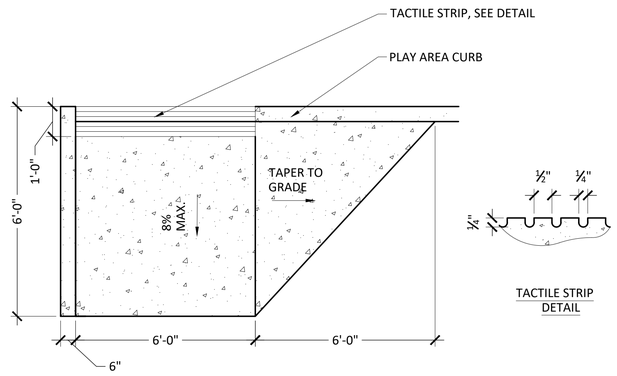
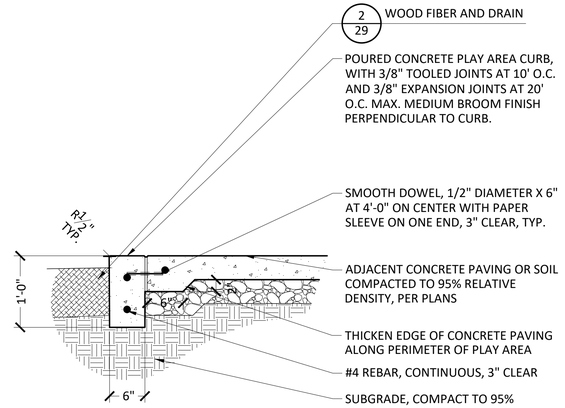


PLAN

TACTILE STRIP DETAIL

1 PLAY RAMP

N.T.S.



2 PLAY CURB

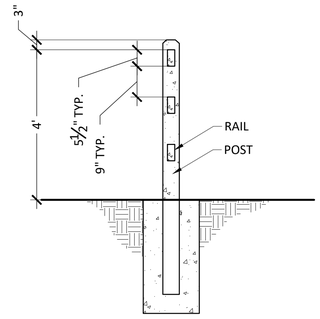
N.T.S.

NOTES:

1. SEE DETAIL C, SHEET C3 FOR DEPTH OF CRUSHED GRAVEL AND AGGREGATE BASE.
2. PRIOR TO INSTALLATION OF CRUSHED GRAVEL, APPLY PRE-EMERGENT HERBICIDE ON EXCAVATED SURFACE.
3. FINISH GRADE OF CRUSHED GRAVEL TO BE NO MORE THAN ¼" BELOW ADJACENT PAVING EDGING OR CURBS.
4. FOR METAL EDGING SEE 6/30

3 CRUSHED GRAVEL

N.T.S.



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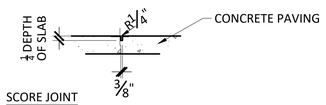
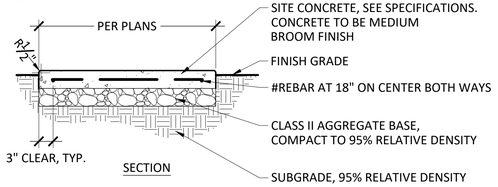
EXPANSION JOINT



SCORE JOINT



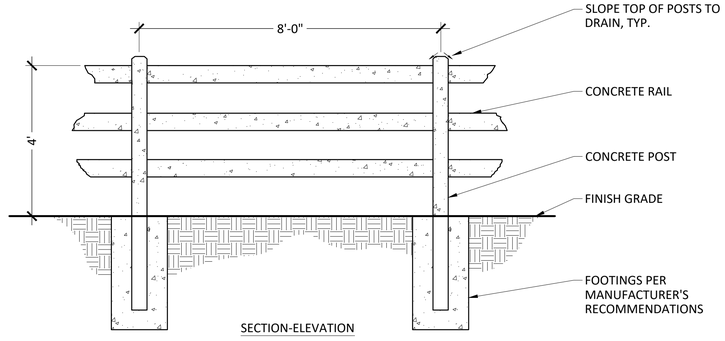
SECTION

NOTES:

1. SEE CIVIL ENGINEER'S PLANS FOR DEPTH OF CONCRETE AND AGGREGATE BASE.

4 CONCRETE

N.T.S.



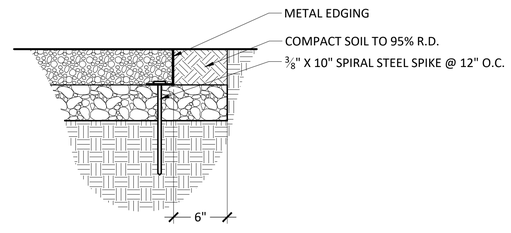
SECTION-ELEVATION

NOTES:

1. SEE SPECIFICATIONS FOR COLORS AND FINISHES.
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.

5 CONCRETE SPLIT RAIL FENCE

N.T.S.



NOTES:

1. EDGE RESTRAINT SHALL BE 3" TALL AND RECOMMENDED BY MANUFACTURER FOR GRAVEL OR ASPHALT.
2. 3. CONNECT SEGMENTS OF METAL EDGING WITH SLIDING CONNECTOR OR PER MANUFACTURER'S RECOMMENDATIONS.

6 EDGING - METAL

N.T.S.

REVISION/ISSUE	BY

DETAILS

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH M. BRANSTAD
No. 2172
7/31/2022
Renewal Date
5/14/2021
DATE
STATE OF CALIFORNIA

11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

HELIX Environmental Planning

DRAWN BY	JLL, CBH
DATE	05/14/2021
SCALE	AS SHOWN
JOB NUMBER	CED-04
SHEET	DT2

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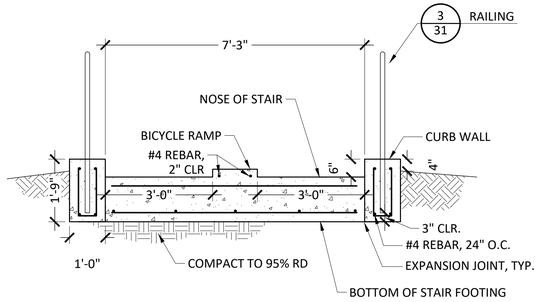
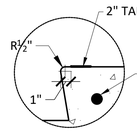
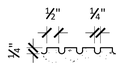


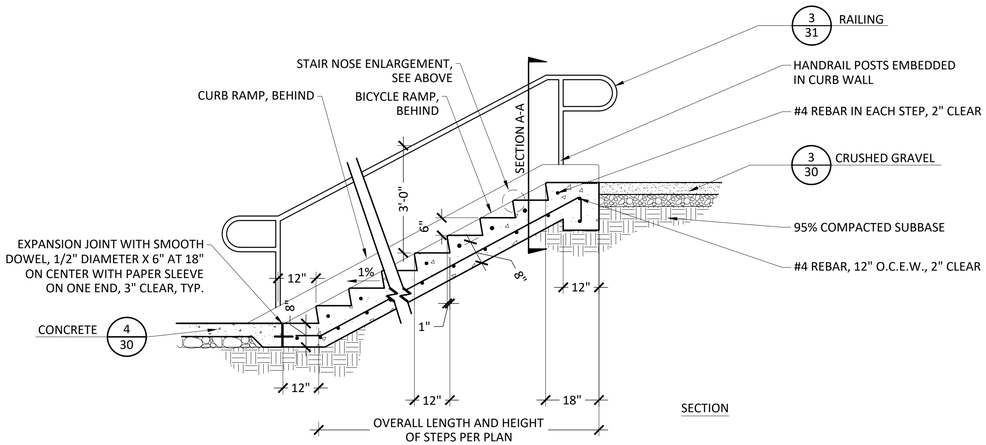
SECTION A-A



STAIR NOSE ENLARGEMENT



TACTILE STRIP

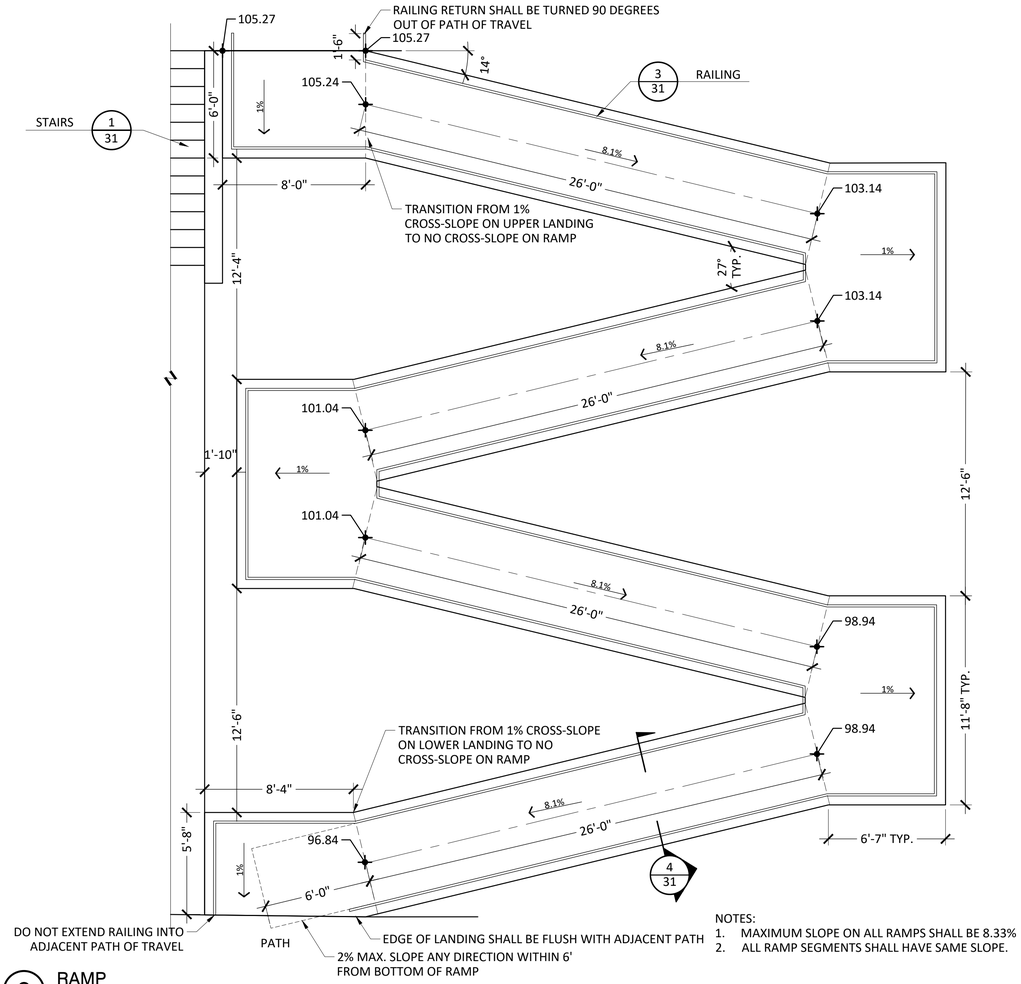


SECTION

NOTES:
1. TREADS OF STAIRS TO BE MEDIUM BROOM FINISH PERPENDICULAR TO DIRECTION OF TRAFFIC
2. INSTALL 2" WIDE HIGH-CONTRAST, TAPE WITH NON-SLIP FINISH AT NOSE OF EACH STAIR
3. INSTALL EXPANSION JOINT BETWEEN CURB WALLS AND STAIRS.

1 STAIRS

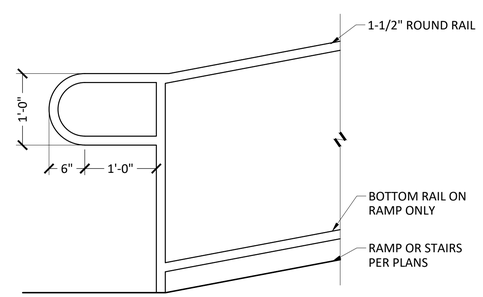
N.T.S.



NOTES:
1. MAXIMUM SLOPE ON ALL RAMPS SHALL BE 8.33%
2. ALL RAMP SEGMENTS SHALL HAVE SAME SLOPE.

2 RAMP

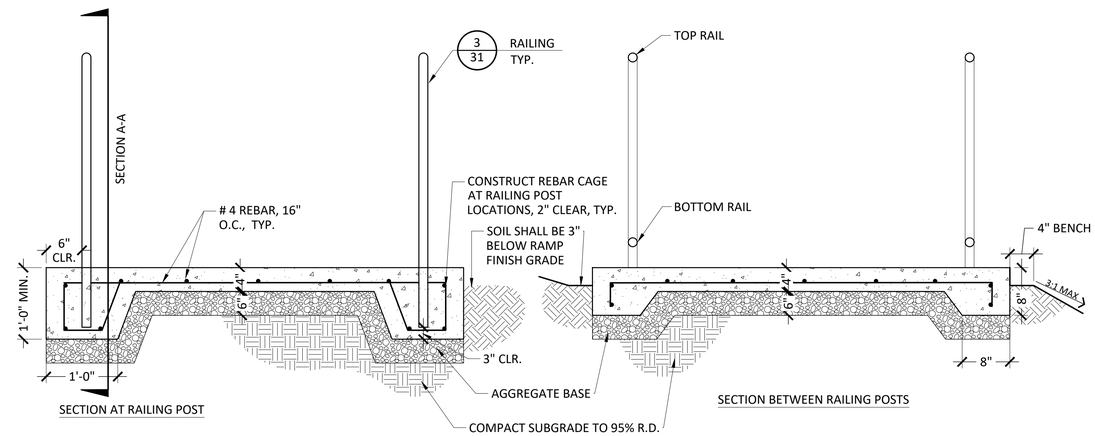
N.T.S.



NOTES:
1. HANDRAILS TO BE FABRICATED FROM 1 1/2" TUBULAR STEEL. ALL JOINTS TO BE WELDED AND GROUND SMOOTH. ALL METAL SHALL BE HOT-DIP GALVANIZED.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING RAILING POST SPACING AND INSTALLATION FOR APPROVAL BY PROJECT MANAGER PRIOR TO FABRICATION OF RAILING AND CONSTRUCTION OF RAMP AND STAIRS.

3 RAILING

N.T.S.



4 DETAIL-TITLE

N.T.S.

REVISION/ISSUE	BY

DETAILS

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH M. BRANSTAD
No. 5753
7/31/2022
Renewal Date
5/14/2021
Date
STATE OF CALIFORNIA

11 NATOMA STREET SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

HELIX Environmental Planning

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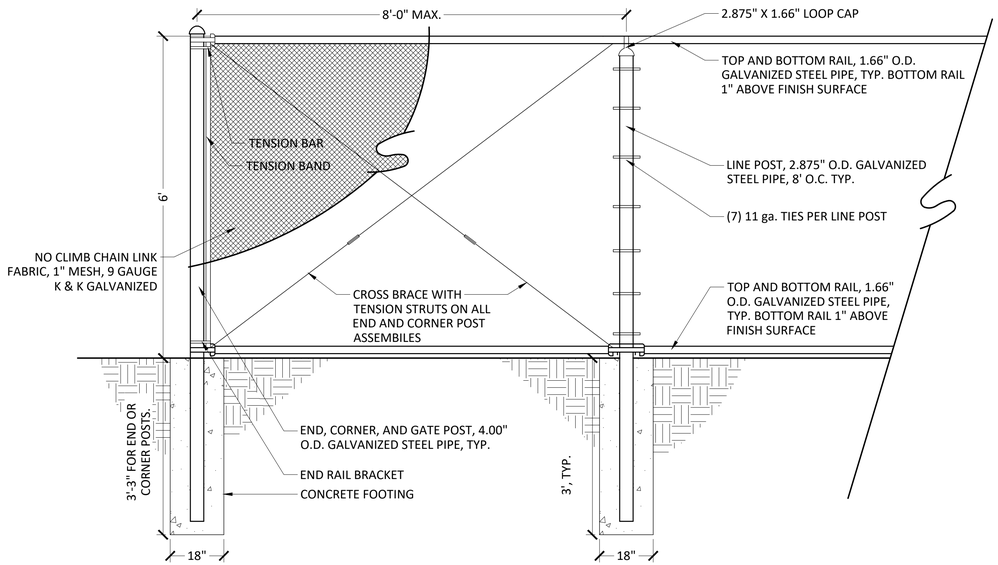
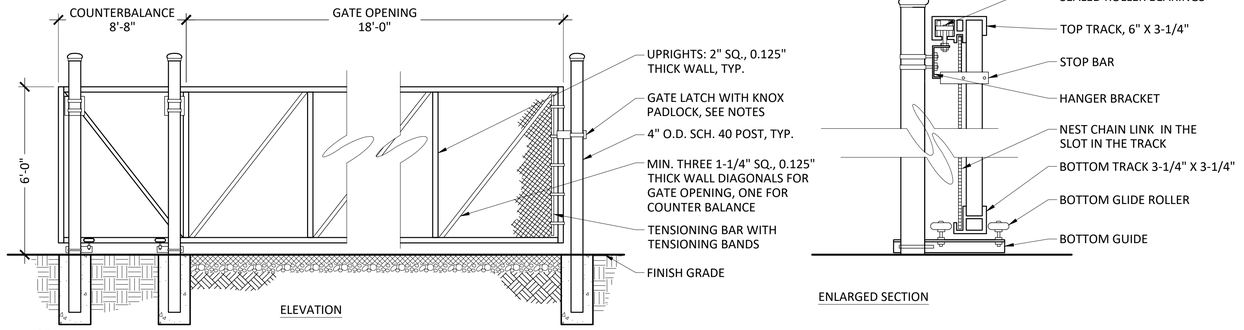


NOTES:
1. ALL PIPE, POSTS, METAL ATTACHMENTS, AND FASTENERS SHALL BE GALVANIZED.

1 CHAIN LINK FENCE

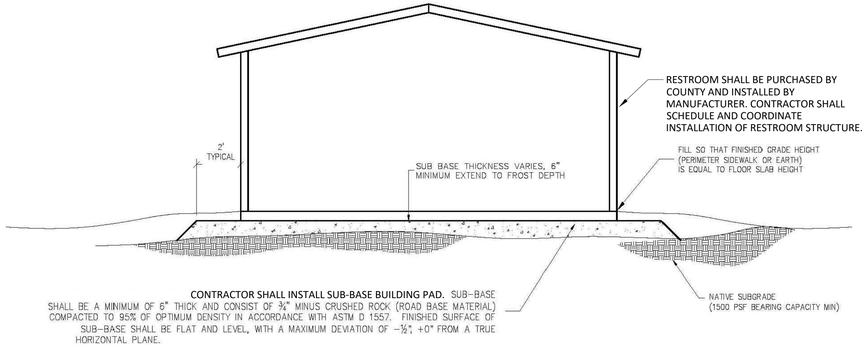
N.T.S.



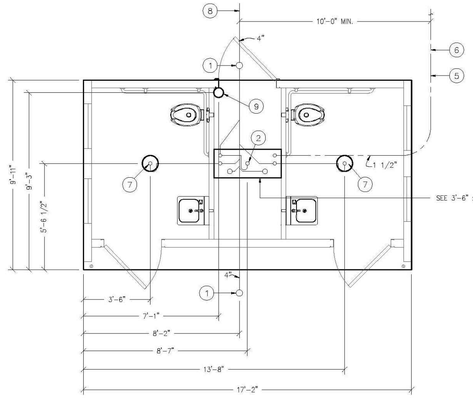
NOTES:
1. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
2. CHAINLINK AND FOOTINGS PER CHAINLINK FENCE DETAIL. (1/32)
3. ALL ALUMINUM TUBING SHALL BE 6061-T6 EXTRUDED.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND PROPOSED GATE LATCH TO PROJECT MANAGER FOR APPROVAL PRIOR TO PURCHASING OR CONSTRUCTION.
5. KNOX PADLOCK SHALL BE RECOMMENDED FOR EXTERIOR USE, COMPATIBLE WITH GATE AND LATCH, AND ACCEPTED BY THE EL DORADO FIRE PROTECTION DISTRICT.

2 VEHICULAR GATE

N.T.S.

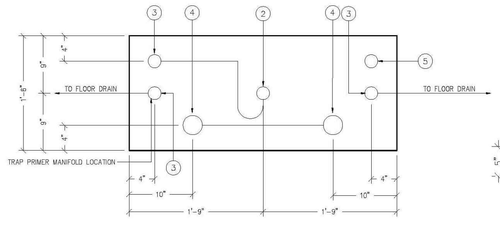


CONTRACTOR SHALL INSTALL SUB-BASE BUILDING PAD. SUB-BASE SHALL BE A MINIMUM OF 6" THICK AND CONSIST OF ¾" MINUS CRUSHED ROCK (ROAD BASE MATERIAL) COMPACTED TO 95% OF OPTIMUM DENSITY IN ACCORDANCE WITH ASTM D 1557. FINISHED SURFACE OF SUB-BASE SHALL BE FLAT AND LEVEL, WITH A MAXIMUM DEVIATION OF -½", +0" FROM A TRUE HORIZONTAL PLANE.



FLOOR DRAIN BLOCKOUTS & BELOW FLOOR PIPING

ALL PIPING INDICATED ON THIS SHEET IS **BY CONTRACTOR**



3'-6" x 1'-6" BLOCKOUT DETAIL

BELOW FLOOR PIPING – KEY NOTES

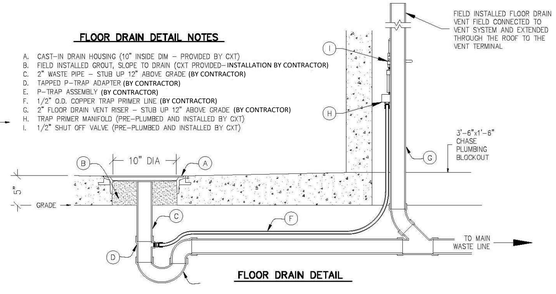
1. 4" CLEAN OUT TO GRADE.
2. 2" FLOOR DRAIN. FIELD INSTALLED TRAP PRIMER SYSTEM IF REQUIRED BY AUTHORITY HAVING JURISDICTION. (3'-6" x 1'-6" BLOCKOUT)
3. 2" VENT PIPES EXTENDED 12" ABOVE FINISHED FLOOR LEVEL, PROVIDE TEST PLUG. (3'-6" x 1'-6" BLOCKOUT)
4. 3" WASTE PIPE EXTENDED 12" ABOVE FINISHED FLOOR LEVEL, PROVIDE TEST PLUG. (3'-6" x 1'-6" BLOCKOUT)
5. 1 1/2" TYPE K ANNEALED "SOFT" COPPER WATER SERVICE EXTENDED 12" ABOVE FINISHED FLOOR LEVEL, PROVIDE CAP AT END. (3'-6" x 1'-6" BLOCKOUT)
6. MIN. BURY PER LOCAL REQUIREMENTS TO PROTECT AGAINST FREEZING AND DAMAGE.
7. 2" FLOOR DRAIN. FIELD INSTALLED TRAP PRIMER SYSTEM IF REQUIRED BY AUTHORITY HAVING JURISDICTION. (10" BLOCKOUT)
8. 30" MIN. BURY, PROVIDE TRACER TAPE.
9. ELECTRICAL STUB UP, (6"ø BLOCKOUT)

PIPING LEGEND

- BELOW FLOOR WASTE PIPING SCH 40 ABS TYPE DWV
- BELOW FLOOR VENT PIPING SCH 40 ABS TYPE DWV
- 1 1/2" TYPE "K" ANNEALED "SOFT" COPPER WATER SERVICE

FLOOR DRAIN DETAIL NOTES

A. CAST-IN DRAIN HOUSING (10" INSIDE DIM – PROVIDED BY CXT)
B. FIELD INSTALLED GROUT, SLOPE TO DRAIN (CXT PROVIDED–INSTALLATION BY CONTRACTOR)
C. 2" WASTE PIPE – STUB UP 12" ABOVE GRADE **(BY CONTRACTOR)**
D. TAPPED P-TRAP ADAPTER **(BY CONTRACTOR)**
E. P-TRAP ASSEMBLY **(BY CONTRACTOR)**
F. 1/2" O.D. COPPER TRAP PRIMER LINE **(BY CONTRACTOR)**
G. 2" FLOOR DRAIN VENT RISER – STUB UP 12" ABOVE GRADE **(BY CONTRACTOR)**
H. TRAP PRIMER MANIFOLD (PRE-PLUMBED AND INSTALLED BY CXT)
I. 1/2" SHUT OFF VALVE (PRE-PLUMBED AND INSTALLED BY CXT)



FLOOR DRAIN DETAIL

NOTES:
1. PLANS FOR BIDDING PURPOSES ONLY. MANUFACTURER'S STAMPED STRUCTURAL ENGINEERING PLANS SHALL BE PROVIDED BY COUNTY UPON AWARD OF BID.
2. CONTRACTOR SHALL INSTALL BUILDING PAD AND UTILITY STUB UPS IN ACCORDANCE WITH MANUFACTURER'S PLANS. SEE SPECIFICATIONS FOR MORE INFORMATION.

3 RESTROOM - FOR REFERENCE ONLY

N.T.S.

REVISION/ISSUE	BY

DETAILS

OLD DEPOT BIKE PARK
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH A. BRANSTEAD
Signature
7/31/2022
Renewal Date
5/14/2021
Date
STATE OF CALIFORNIA

HELIX Environmental Planning
11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

DRAWN BY JLL, CBH
DATE 05/14/2021
SCALE AS SHOWN
JOB NUMBER CED-04
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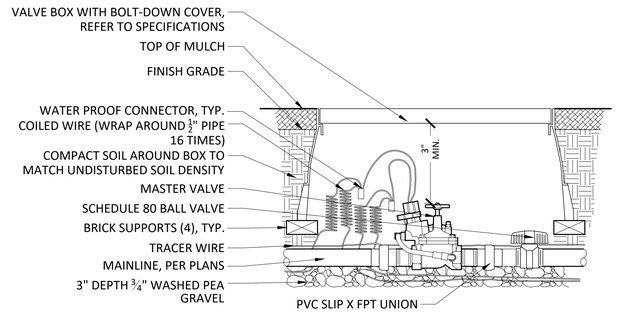
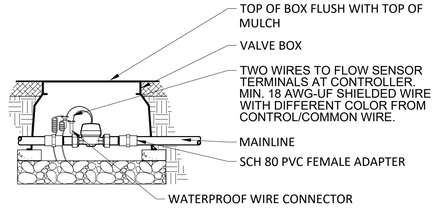


NOTE:
1. MASTER VALVE SHALL BE ON A CONVENTIONAL WIRE SYSTEM WITH FLOW METER. ALL WIRE SHALL BE TAPED AND BUNDLED EVERY TEN FEET AND SHALL BE INSTALLED PER LOCAL CODE.
2. VALVE BOX SHALL NOT REST ON OR TOUCH VALVE, MAINLINE AT ANY POINT.

1 MASTER VALVE

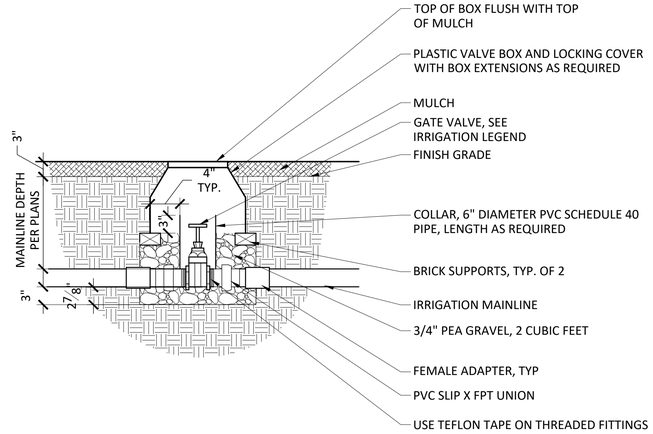
N.T.S.



NOTES:
1. INLET PIPE LENGTH OF SENSOR MUST BE MINIMUM 10X PIPE DIAMETER, STRAIGHT, CLEAN RUN OF PIPE, NO FITTINGS OR TURNS. OUTLET PIPE LENGTH OF SENSOR MUST BE MINIMUM 5X PIPE DIAMETER OF STRAIGHT CLEAN RUN OF PIPE, NO FITTINGS OR TURNS.

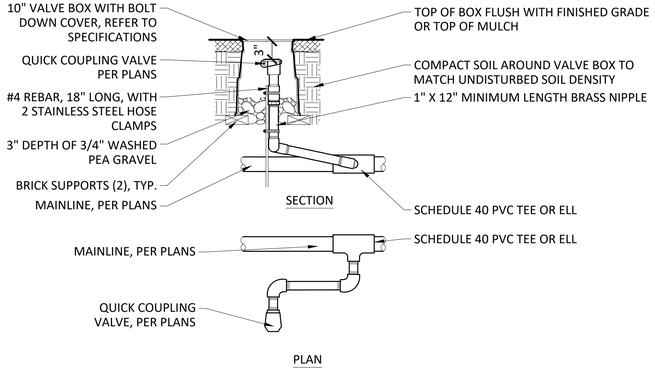
2 FLOW METER

N.T.S.



3 GATE VALVE

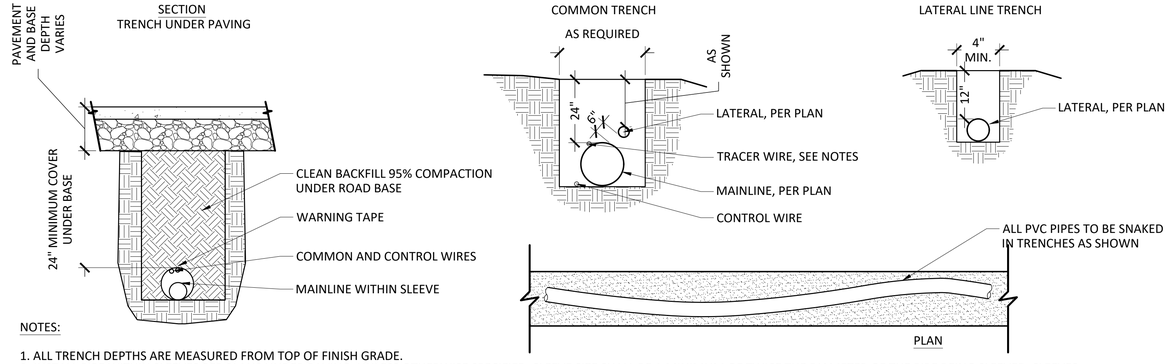
N.T.S.



NOTES:
1. INSTALLATION OF TRIPLE SWING JOINTS SHALL BE AT AN ANGLE NO GREATER THAN 45 DEGREES TO HORIZONTAL.
2. ALL PRE-MANUFACTURED TRIPLE SWING JOINTS SHALL BE MANUFACTURED WITH "O" RINGS AND SHALL BE RATED AT 200 PSI.

4 QUICK COUPLER VALVE

N.T.S.



NOTES:
1. ALL TRENCH DEPTHS ARE MEASURED FROM TOP OF FINISH GRADE.
2. INSTALL PIPE WITHIN SLEEVES PER PLANS UNDER PAVING. UNLESS OTHERWISE SPECIFIED, SLEEVE SIZE SHALL BE A MINIMUM OF TWICE THE DIAMETER OF THE PIPE BEING SLEEVED. SLEEVES SHALL EXTEND 1' BEYOND THE EDGE OF PAVING OR BACK OF CURB NECESSITATING THE SLEEVE. INSTALL TRACER WIRE WITH ALL MAINLINES AND WHERE PIPES ARE INSTALLED UNDER PAVEMENT.
3. ALL PIPE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION SPECIFICATIONS.
4. INSTALL PER BEDDING UNDER PIPING, WHEN SPECIFIED.
5. TAPE AND BUNDLE ALL WIRING AT 10' INTERVALS. TIE A 24" LOOP IN ALL WIRING AT CHANGES IN DIRECTION OF 30 DEGREES OR GREATER. UNTIE ONCE CONNECTIONS HAVE BEEN MADE.
6. BACKFILL TRENCHES, AFTER SYSTEM HAS BEEN CHARGED TO TEST FOR LEAKS, WITH CLEAN BACKFILL TO A DENSITY TO MATCH ADJACENT UNDISTURBED SOIL PER SPECIFICATIONS.

5 TRENCHING

N.T.S.

REVISION/ISSUE	BY

DETAILS

OLD DEPOT BIKE PARK

EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH M. BRANSTAD
7/31/2022
Renewal Date
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Date
STATE OF CALIFORNIA

11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
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HELIX Environmental Planning

DRAWN BY	JLL, CBH
DATE	05/14/2021
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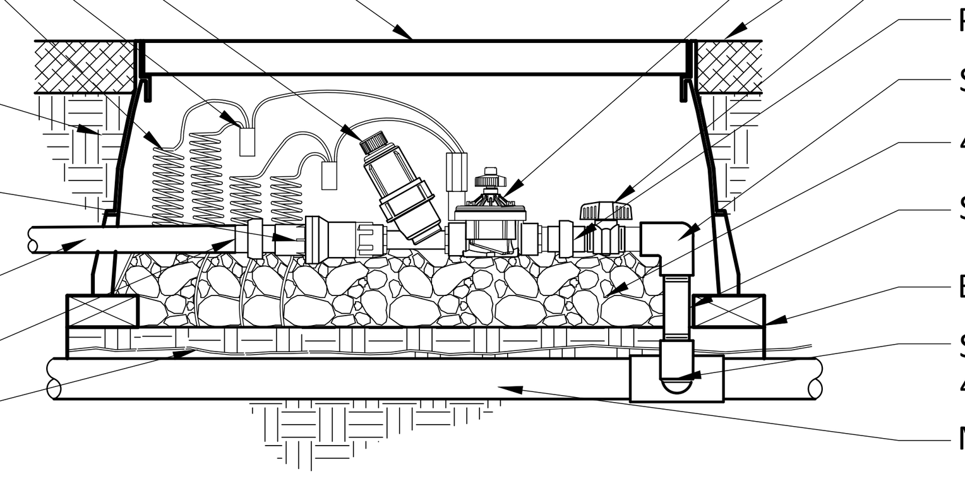
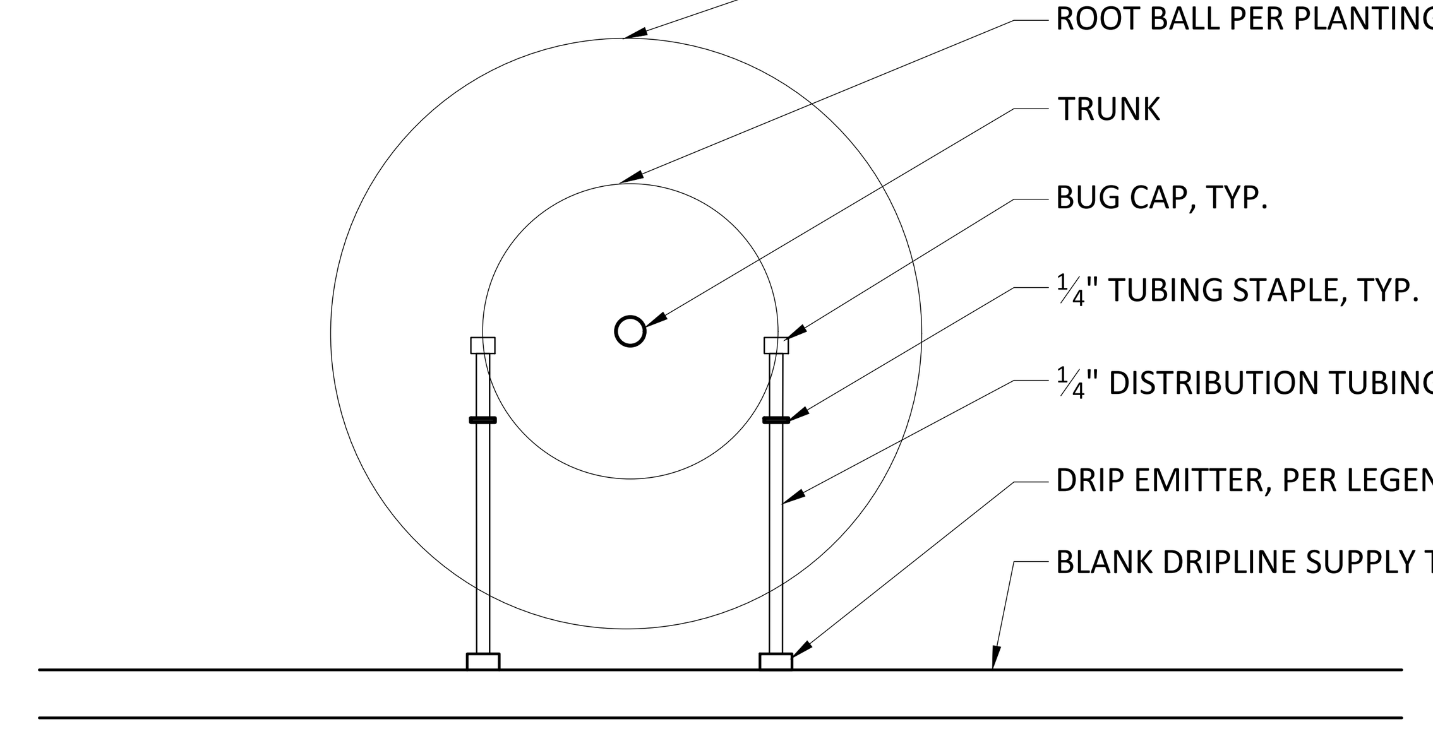


NOTE:
1. ALL WIRE SHALL BE TAPED AND BUNDLED EVERY TEN FEET AND SHALL BE INSTALLED PER LOCAL CODE.
2. VALVE BOX SHALL NOT REST ON OR TOUCH VALVE, MAINLINE, OR LATERAL AT ANY POINT.

1 DRIP CONTROL VALVE

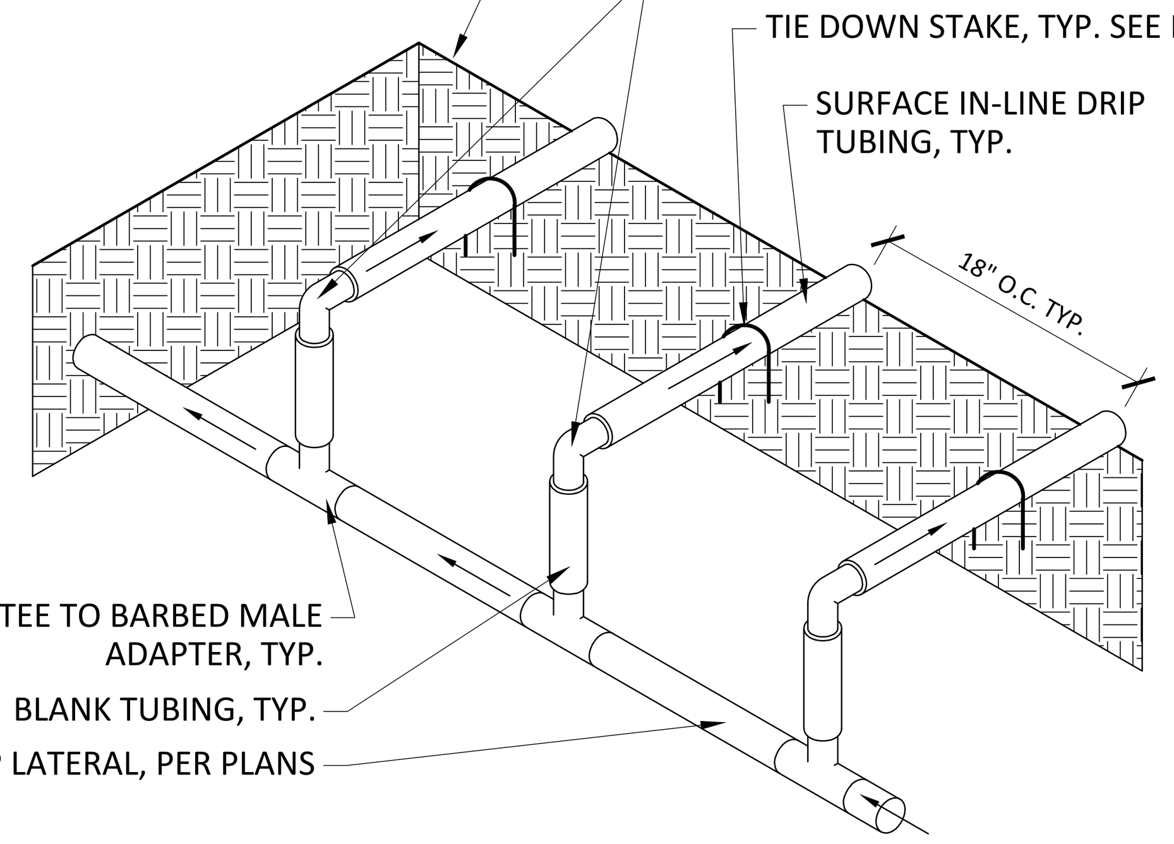
N.T.S.



NOTES:
1. TERMINUS OF DISTRIBUTION TUBING SHALL BE AT UPHILL SIDE OF ROOTBALL.
2. INSTALL EMITTER AT EDGE OF ROOTBALL.
3. MAXIMUM LENGTH OF DISTRIBUTION TUBING SHALL BE 6'.

2 DRIP EMITTERS

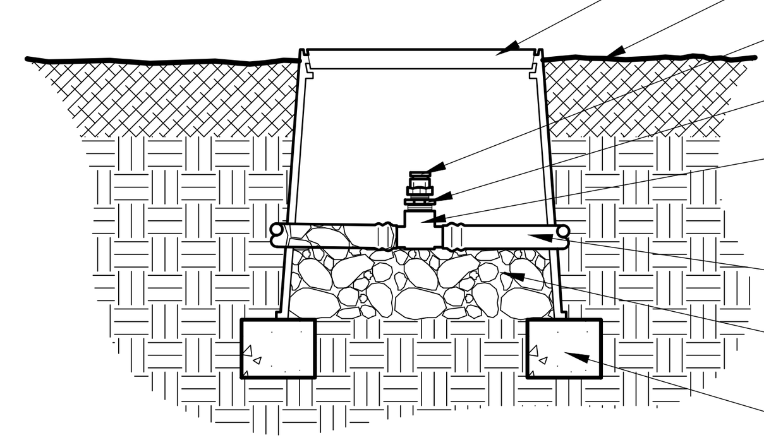
N.T.S.



NOTES:
1. MAXIMUM LENGTH OF LATERAL DRIP LINE SHALL BE 200 LINEAR FEET.
2. INSTALL STAINLESS STEEL TIE DOWN STAKES EVERY 4' AND AT ALL BENDS OR CORNERS.

3 DRIP TUBING

N.T.S.

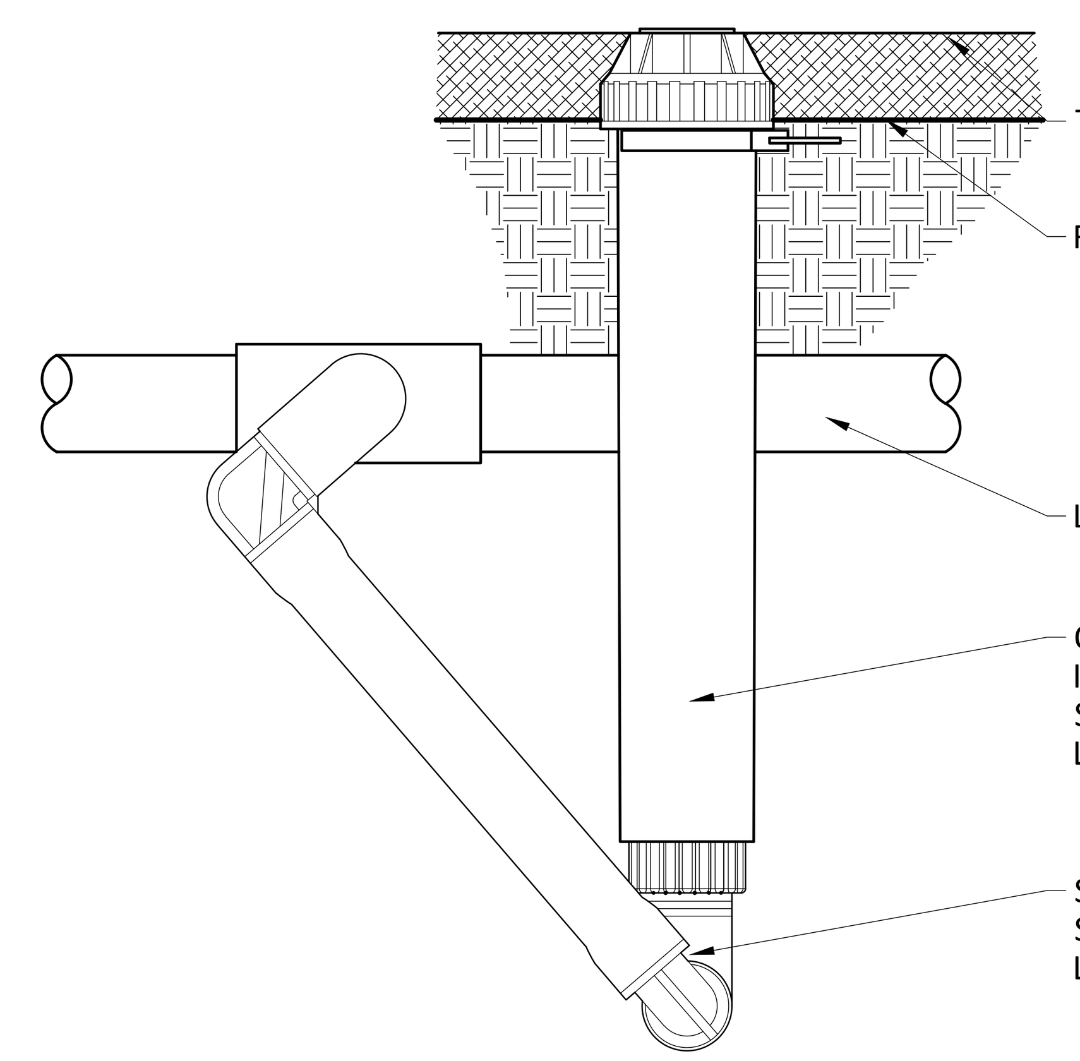


NOTE:

1. AIR RELIEF VALVE SHALL BE INSTALLED AT THE HIGHEST POINT OF THE SYSTEM ABOVE ALL DRIPLINE LATERALS

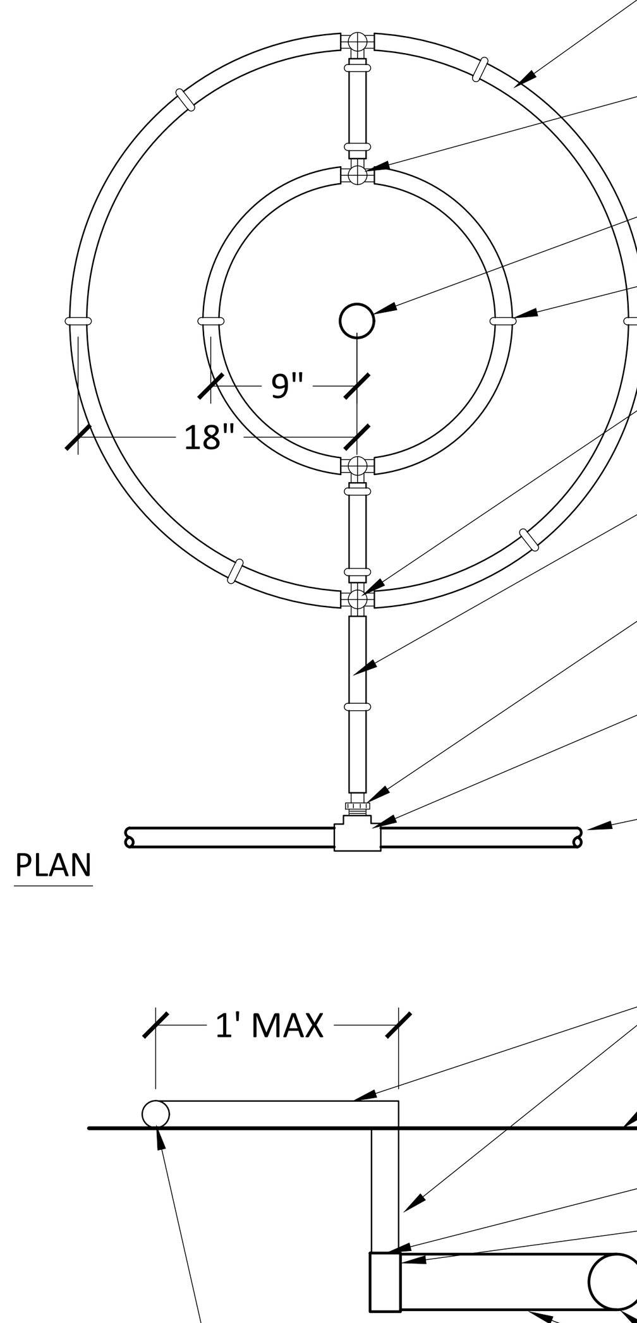
4 AIR RELIEF VALVE

N.T.S.



5 DRIP SYSTEM OPERATION INDICATOR

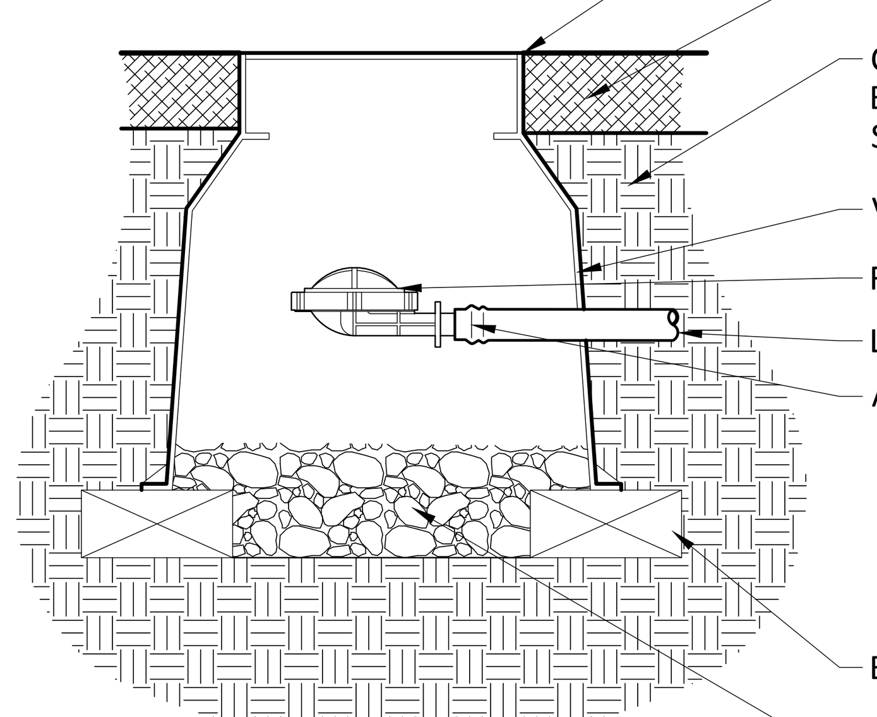
N.T.S.



NOTES:
1. INSTALL DRIP IRRIGATION ON FINISH GRADE.
2. INSTALL IN ACCORDANCE WITH MANUFACTURER INSTALLATION GUIDELINES

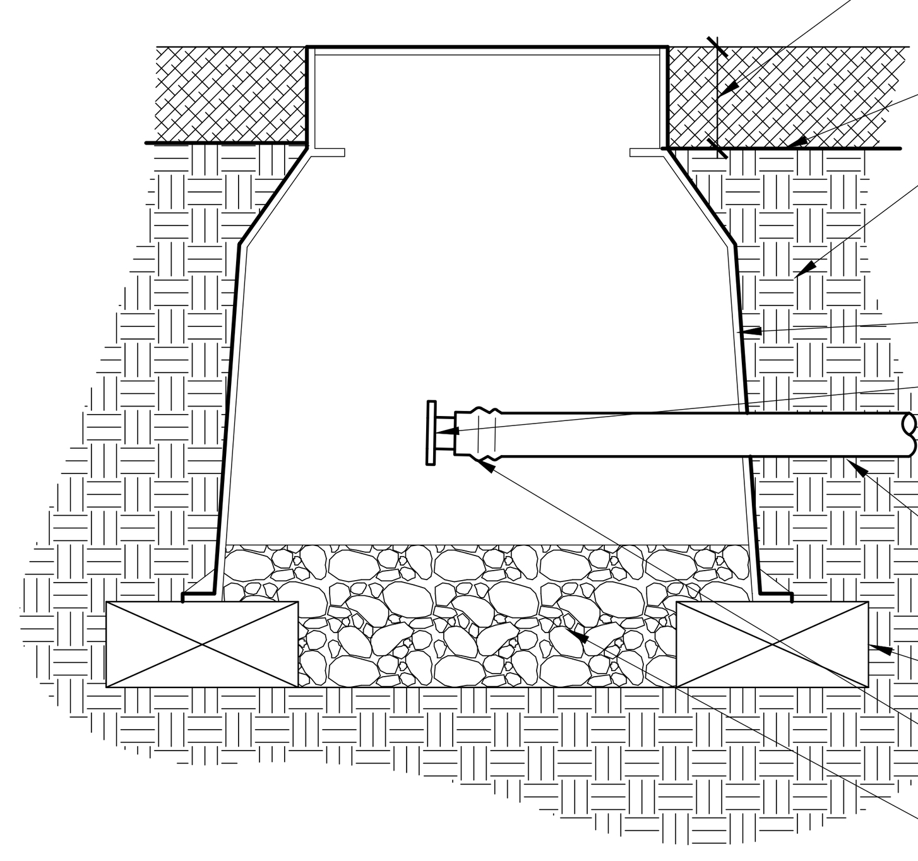
6 TREE RING

N.T.S.



7 AUTOMATIC FLUSH VALVE

N.T.S.



8 MANUAL FLUSH VALVE

N.T.S.

REVISION/ISSUE	BY

DETAILS

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EL DORADO COUNTY

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MEREDITH M. BRANSTAD LA 5712
Signature
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11 NATOMA STREET, SUITE 155
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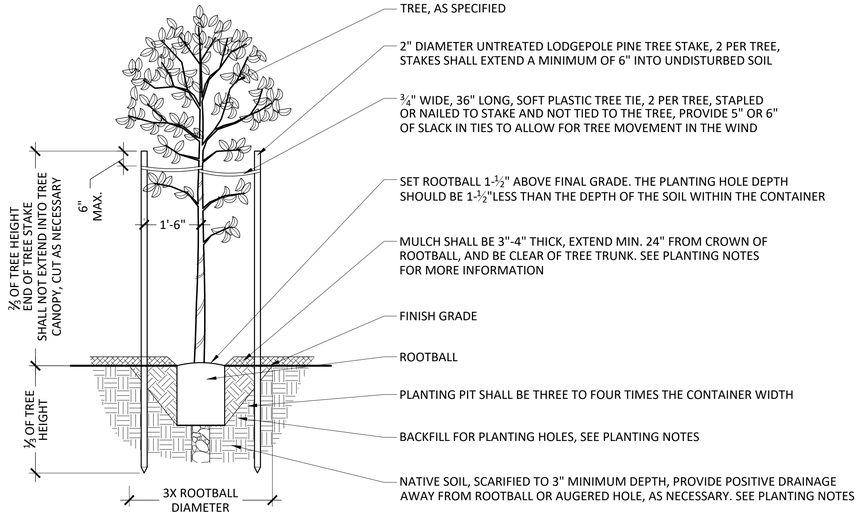
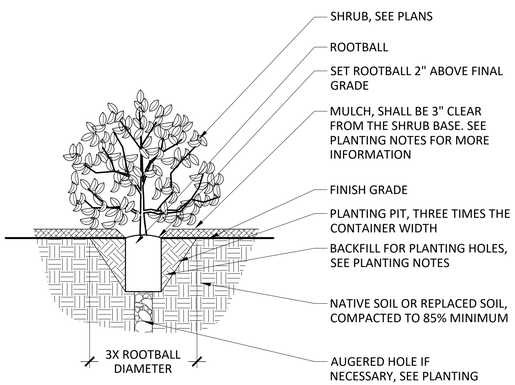


NOTES:

1. TRUNK CALIPER SHALL MEET ANSI Z60 CURRENT EDITION FOR ROOT BALL SIZE.
2. LEAVE THE SMALL BRANCHES ON THE TREE. REMOVE THEM IF THE BRANCH LOCATION IS NOT SUITABLE AS A PERMANENT BRANCH WHEN THEY BECOME 1" IN DIAMETER. DO NOT TOP THE TREE.
3. REMOVE ANY NURSERY STAKE TIED CLOSE TO THE TRUNK OF THE TREE. WATER TO SATURATION WHEN FIRST PLANTED.

1 TREE PLANTING

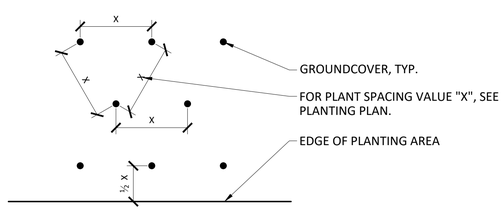
N.T.S.



NOTES:
1. REMOVE ALL NURSERY STAKES AND TIES.
2. WATER TO SATURATION WHEN FIRST PLANTED

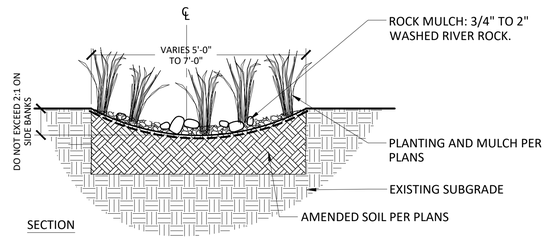
2 SHRUB PLANTING

N.T.S.



3 GROUNDCOVER PLANTING

N.T.S.

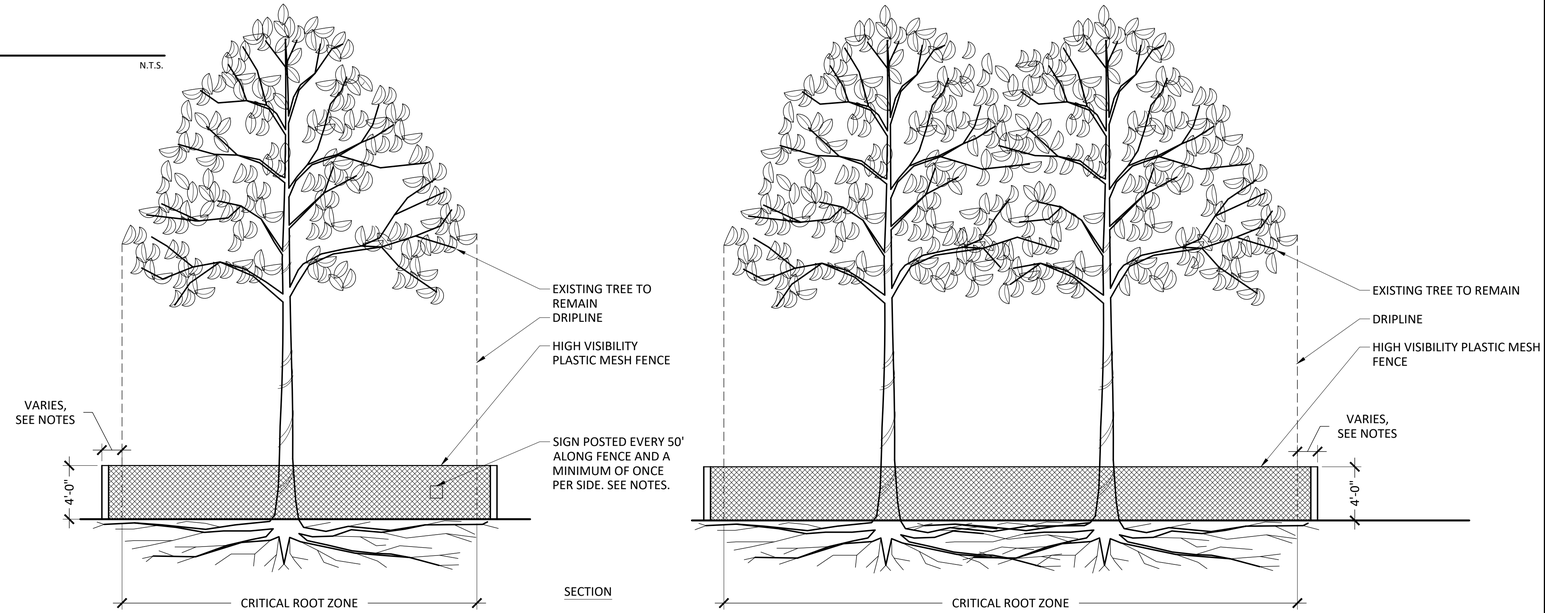


SECTION

NOTES:
1. SWALE GRADING, SEE GRADING PLAN.
2. PROVIDE ADDITIONAL ROCK MULCH 1' AROUND CULVERT.
3. STAKE LINE OF SWALE AND MUST BE APPROVED BY PROJECT MANAGER PRIOR TO CONSTRUCTION

4 SWALE

N.T.S.



SINGLE TREE

MULTIPLE TREES

NOTES:
1. INSTALL FENCING BEFORE ANY CONSTRUCTION BEGINS.
2. FENCING SHOULD BE LOCATED A MINIMUM AS FAR OUT FROM THE DRIPLINE AS POSSIBLE AND A MINIMUM OF 1.3X THE RADIUS OF THE DRIPLINE WHERE THERE ARE NOT CONFLICTS WITH PERMANENT IMPROVEMENTS.
3. THE FENCED AREAS SHOULD BE KEPT CLEAR OF BUILDING MATERIALS, WASTE, AND EXCESS SOIL. NO DIGGING, TRENCHING, OR OTHER SOIL DISTURBANCE SHOULD BE ALLOWED IN THE FENCED AREA.
4. STORAGE AREAS FOR EQUIPMENT, SOIL, AND CONSTRUCTION MATERIALS IS NOT ALLOWED WITHIN THE TREE PROTECTION ZONES. CONCRETE WASH-OUT PITS ARE NOT ALLOWED WITHIN THE TREE PROTECTION ZONES OR IN ANY LOCATION THAT DRAINS TO A TREE PROTECTION ZONE.
5. SIGNS SHALL READ, "TREE PROTECTION ZONE. DO NOT ENTER OR RELOCATE WITHOUT APPROVAL OF COUNTY". TEXT SHALL BE 1" TALL BLACK LETTER ON WHITE BACKGROUND. SIGN SHALL BE A MINIMUM OF 11" HIGH AND WIDE AND MADE OF A MATERIAL THAT WILL NOT FADE OR BECOME DAMAGED WHEN EXPOSED TO THE ELEMENTS.

5 TREE PROTECTION FENCING

N.T.S.

REVISION/ISSUE	BY

DETAILS

OLD DEPOT BIKE PARK

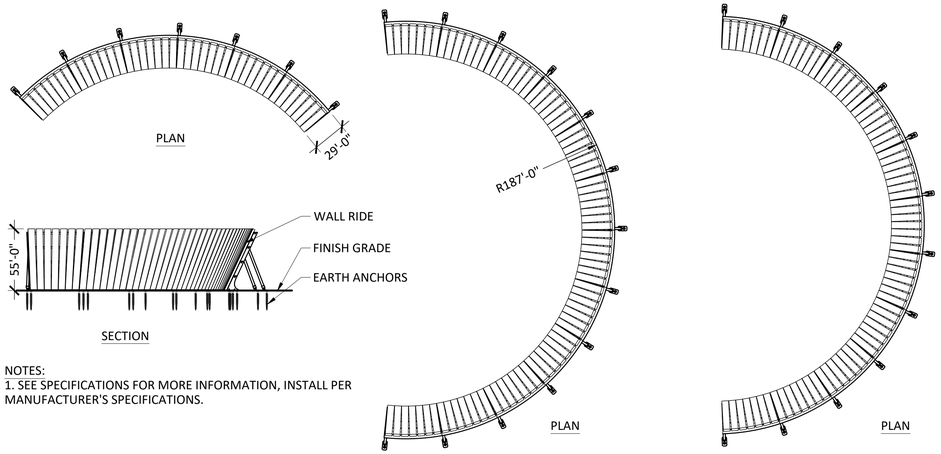
EL DORADO COUNTY

LANDSCAPE ARCHITECT OF RECORD

LICENSED LANDSCAPE ARCHITECT
MEREDITH M. BRANSTETTER
Signature
7/31/2022
Renewal Date
5/14/2021
Date
STATE OF CALIFORNIA

HELIX Environmental Planning
11 NATOMA STREET, SUITE 155
FOLSOM, CALIFORNIA 95630
(916) 365-8700

DRAWN BY	JLL, CBH
DATE	05/14/2021
SCALE	AS SHOWN
JOB NUMBER	CED-04
SHEET	DT7
	35 of 37

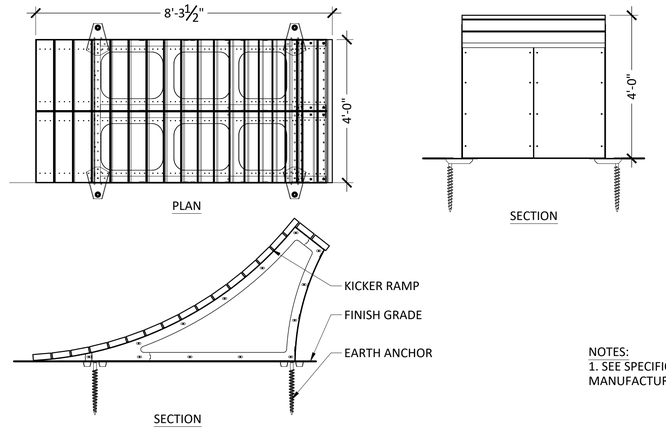


NOTES:
1. SEE SPECIFICATIONS FOR MORE INFORMATION, INSTALL PER MANUFACTURER'S SPECIFICATIONS.

1 WALL RIDE

N.T.S.

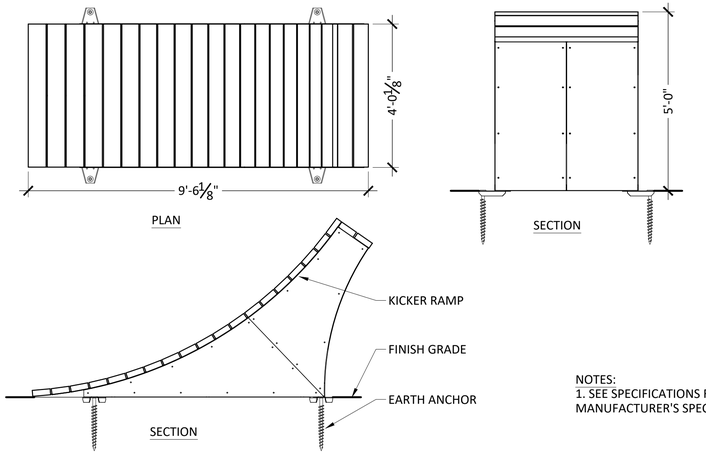
ADDITIVE ALTERNATE #3



NOTES:
1. SEE SPECIFICATIONS FOR MORE INFORMATION, INSTALL PER MANUFACTURER'S SPECIFICATIONS.

2 KICKER RAMP 4' HIGH

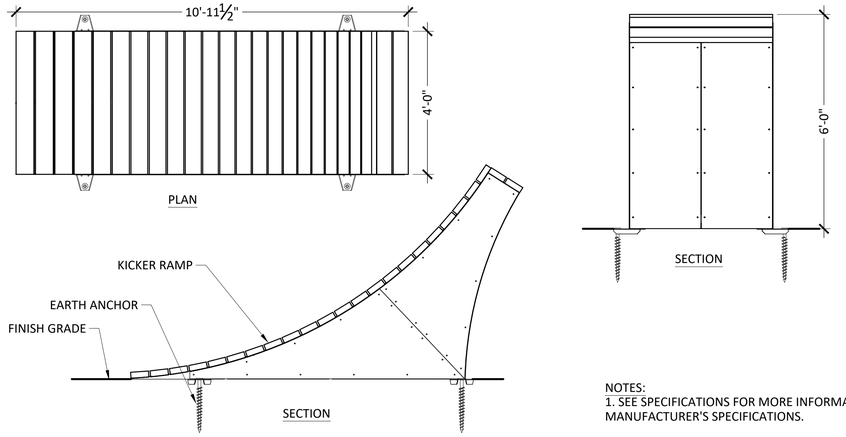
N.T.S.



NOTES:
1. SEE SPECIFICATIONS FOR MORE INFORMATION, INSTALL PER MANUFACTURER'S SPECIFICATIONS.

3 KICKER RAMP 5' HIGH

N.T.S.

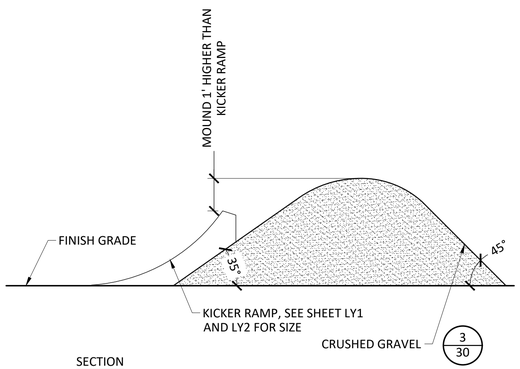


NOTES:
1. SEE SPECIFICATIONS FOR MORE INFORMATION, INSTALL PER MANUFACTURER'S SPECIFICATIONS.

4 KICKER RAMP 6' HIGH

N.T.S.

ADDITIVE ALTERNATE #3



5 JUMP TRACK JUMP SECTION

N.T.S.

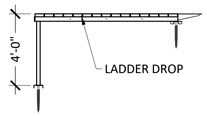
REVISION/ISSUE	BY

DETAILS

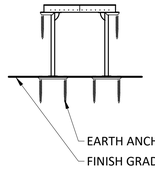
OLD DEPOT BIKE PARK
EL DORADO COUNTY

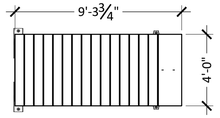
ACTION SPORTS CONSTRUCTION

DRAWN BY JLL
DATE 5/14/2020
SCALE AS SHOWN
JOB NUMBER CED-04
SHEET DT8
36 of 37



SECTION



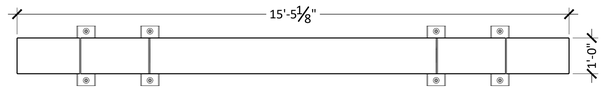


PLAN

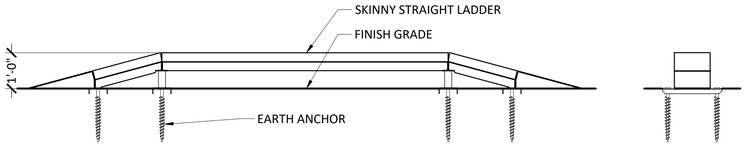
NOTES:
1. SEE SPECIFICATIONS FOR MORE INFORMATION, INSTALL PER MANUFACTURER'S SPECIFICATIONS.

1 LADDER DROP

N.T.S.



PLAN

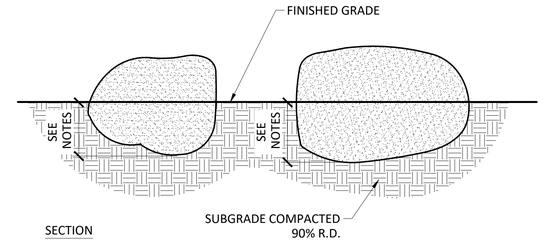


SECTION

NOTES:
1. SEE SPECIFICATIONS FOR MORE INFORMATION, INSTALL PER MANUFACTURER'S SPECIFICATIONS.

2 SKINNY STRAIGHT LADDER 15 DEGREES

N.T.S.



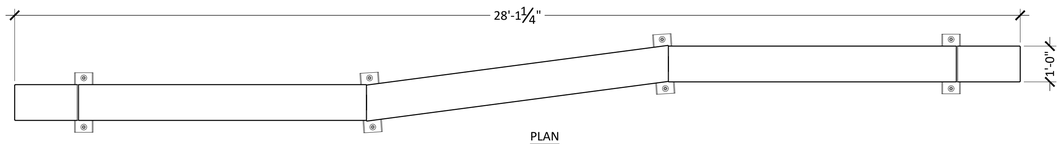
SECTION

NOTES

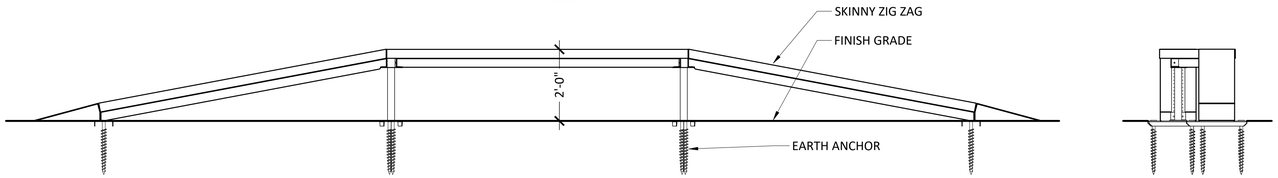
1. BOULDERS SHALL BE SALVAGES FROM ONSITE OR SHALL BE GRANITE BOULDERS.
2. SIZE BOULDERS PER PLANS AND SPECIFICATIONS.
3. BOULDERS SHALL BE LOCATED AS SHOWN ON PLANS.
4. BOULDERS SHALL BE SOURCED AND PLACED TO HAVE LARGEST FLAT RIDE-ABLE AREA FACING UP.
5. BOULDERS SHALL BE PLACED WITH ⅓ OF THEIR MASS BELOW FINISH GRADE.

3 BOULDERS

N.T.S.



PLAN

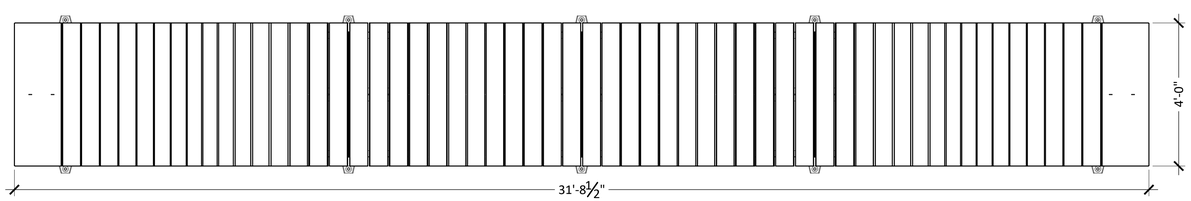


PLAN

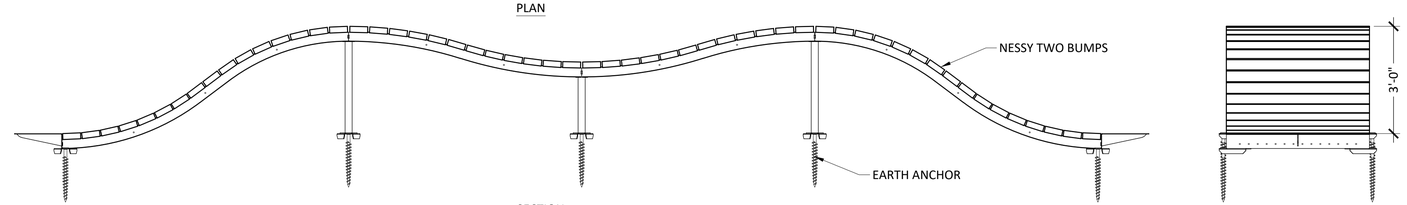
NOTES:
1. SEE SPECIFICATIONS FOR MORE INFORMATION, INSTALL PER MANUFACTURER'S SPECIFICATIONS.

4 SKINNY ZIG ZAG SHORT

N.T.S.



PLAN



SECTION

NOTES:
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5 NESSY TWO BUMPS

N.T.S.

ADDITIVE ALTERNATIVE #2

REVISION/ISSUE	BY

DETAILS

OLD DEPOT BIKE PARK

EL DORADO COUNTY

ACTION SPORTS CONSTRUCTION

DRAWN BY	JLL
DATE	5/14/2020
SCALE	AS SHOWN
JOB NUMBER	CED-04
SHEET	DT9
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