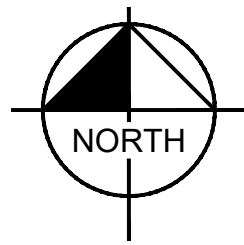
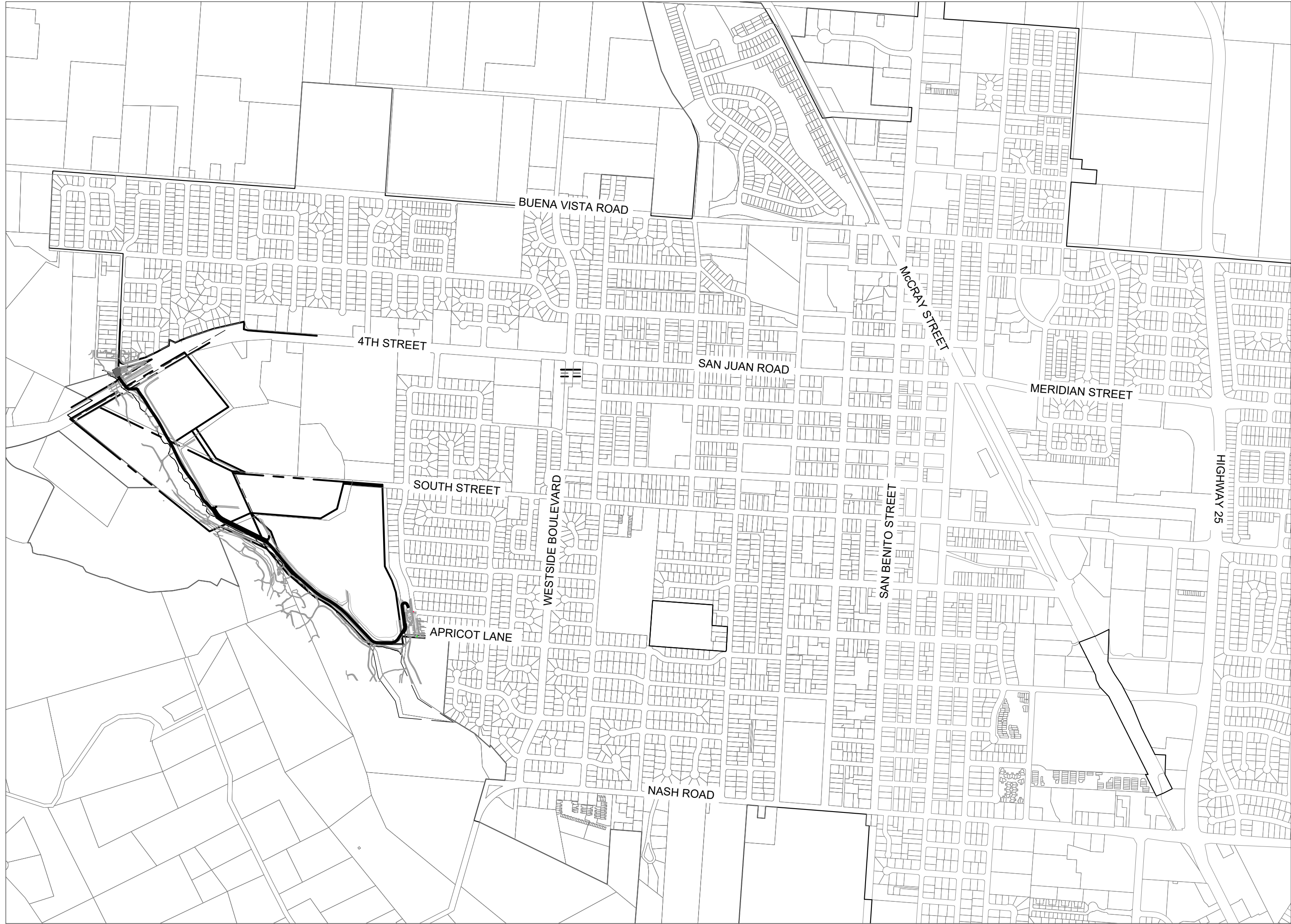


# CITY OF HOLLISTER

## RIVER PARK TRAIL PROJECT 2018/2019



VICINITY MAP  
NOT TO SCALE

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60% PLANS  
(NOT FOR CONSTRUCTION)

APPROVED FOR CONSTRUCTION

DANNY HILLSTOCK, CITY ENGINEER  
PE No. 70647

### ABBREVIATIONS

AB	— AGGREGATE BASE
AC	— ASPHALT
AHJ	— AUTHORITY HAVING JURISDICTION
BC	— BACK OF CURB
BS	— BOTTOM OF STAIR
BLDG	— BUILDING
BW	— BACK OF WALK
CAB	— COMPACTED AGGREGATE BASE
CB	— CATCH BASIN
CF	— CURB FACE
C/L	— CENTERLINE
CONC.	— CONCRETE
CONST.	— CONSTRUCT, CONSTRUCTION
CSG	— COMPACTED SUBGRADE
DF	— DEEPEMED FOOTING
DI	— DRAIN INLET
DW	— DOMESTIC WATER
E	— EAST
EG	— EDGE OF GUTTER
ELEC	— ELECTRIC
EP	— EDGE OF PAVEMENT
FF	— FINISHED FLOOR
FG	— FINISHED GRADE
FL	— FLOW LINE
FS	— FINISHED SURFACE
FW	— FIRE WATER
G	— GAS
GB	— GRADE BREAK
HP	— HIGH POINT
INV	— INVERT
IRR	— IRRIGATION WATER
JS	— JUNCTION STRUCTURE
LP	— LOW POINT
MH	— MANHOLE
N	— NORTH
PCC	— PORTLAND CEMENT CONCRETE
P/L	— PROPERTY LINE
PUE	— PUBLIC UTILITY EASEMENT
PVC	— POLYVINYL CHLORIDE
R	— RADIUS OR RIDGE
RD	— ROAD DRAIN
RW	— RECLAIMED WATER
R/W	— RIGHT-OF-WAY
S	— SEWER OR SOUTH
SD	— STORM DRAIN
STA	— STATION
SS	— SANITARY SEWER
SPPWC	— STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
SW	— SIDE WALK
T	— TELEPHONE
TC	— TOP OF CURB
TS	— TOP OF STAIR
VIF	— VERIFY IN FIELD
W	— WATER OR WEST
XXX.XX	— PROPOSED ELEVATION
(XXX.XX)	— EXISTING ELEVATION



Know what's below.  
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WWW.KIMLEY-HORN.COM

KHA PROJECT  
197008001

DATE  
10/11/2019

SCALE  
1" = 40'

DESIGNED BY  
MJL

DRAWN BY  
MS

CHECKED BY  
MF

PRELIMINARY

FOR REVIEW ONLY NOT FOR  
CONSTRUCTION OR PERMIT  
PURPOSES

Kimley Horn

Engineer MARK FALGOUT

P.E. No. 63394

Date 10/11/2019

RIVER PARK TRAIL  
PROJECT  
2018/2019

HOLLISTER

CALIFORNIA

COVER SHEET

DRAWING NUMBER

C001

SHEET NUMBER

1 OF 17



Printed By: Usak, Matt | Sheet Set: Google Maps | Layout: KIMLEY HORN GENERAL NOTES | October 11, 2019, 12:31:05pm | K:\BAY LBAVE\19\09\08001 - Hollister River Park Trail - MAP\08 CAD\PDF Plans\Sheet\0001 COVER SHEET.dwg | This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

## KIMLEY HORN GENERAL NOTES

- OVERALL:**
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE PLANS, CITY (OR TOWN) STANDARD DETAILS AND SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT AND ALL ISSUED ADDENDA, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS. THE CITY SPECIFICATIONS SHALL GOVERN WHERE OTHER SPECIFICATIONS DO NOT EXIST. IN CASE OF CONFLICTING SPECIFICATIONS OR DETAILS, THE MORE RESTRICTIVE SPECIFICATION AND DETAIL SHALL BE FOLLOWED.
  - THE CONTRACTOR SHALL COMPLY WITH CITY (OR TOWN) "GENERAL NOTES" FOR CONSTRUCTION, IF EXISTING AND REQUIRED BY THE CITY. FOR INSTANCES WHERE THEY CONFLICT WITH THESE KH GENERAL NOTES, THEN THE MORE RESTRICTIVE SHALL APPLY.
  - THE CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE AUTHORITIES' SPECIFICATIONS AND REQUIREMENTS.
  - THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE EXISTING CONDITIONS.
  - THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER AND IF APPLICABLE THE CITY. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE CITY, ENGINEER, AND OWNER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK TO HAVE THEM LOCATE THEIR EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE AN ADEQUATE MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
  - CONTRACTOR SHALL CALL 811 AN ADEQUATE AMOUNT OF TIME PRIOR TO COMMENCING CONSTRUCTION OR ANY EXCAVATION.
  - CONTRACTOR SHALL USE EXTREME CAUTION AS THE SITE CONTAINS VARIOUS KNOWN AND UNKNOWN PUBLIC UTILITIES.
  - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY ADJUSTMENTS AND RELOCATIONS OF EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO, ADJUSTING EXISTING MANHOLES TO MATCH PROPOSED GRADE.
  - THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS, APPROVALS, AND BONDS PRIOR TO CONSTRUCTION.
  - THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES A COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, PROJECT AND CITY SPECIFICATIONS, AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, AND INSPECTION REPORTS.
  - ALL SHOP DRAWINGS AND OTHER DOCUMENTS THAT REQUIRE ENGINEER REVIEW SHALL BE SUBMITTED BY THE CONTRACTOR SUFFICIENTLY IN ADVANCE OF CONSTRUCTION OF THAT ITEM, SO THAT NO LESS THAN 10 BUSINESS DAYS FOR REVIEW AND RESPONSE IS AVAILABLE.
  - ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES, AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO USE OF THE FACILITY AND THE FINAL CONNECTION OF SERVICES.
  - CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.
  - CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
  - CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS TESTING AND CERTIFICATION, UNLESS SPECIFIED OTHERWISE BY OWNER. ALL MATERIALS TESTING SHALL BE COORDINATED WITH THE APPROPRIATE CITY INSPECTOR AND COMPLY WITH CITY STANDARD SPECIFICATIONS. TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING MATERIALS. OWNER SHALL APPROVE THE AGENCY NOMINATED BY THE CONTRACTOR FOR MATERIALS TESTING.
  - ALL COPIES OF MATERIALS TEST RESULTS SHALL BE SENT TO THE CITY AND ENGINEER DIRECTLY FROM THE TESTING AGENCY.
  - IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SHOW, BY THE STANDARD TESTING PROCEDURES OF THE MATERIALS, THAT THE WORK CONSTRUCTED MEETS THE PROJECT REQUIREMENTS AND CITY SPECIFICATIONS.
  - ALL CONTRACTORS MUST CONFINE THEIR ACTIVITIES TO THE WORK AREA. NO ENCROACHMENTS OUTSIDE OF THE WORK AREA WILL BE ALLOWED. ANY DAMAGE RESULTING THEREFROM SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO REPAIR.
  - THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, UTILITIES, MANHOLES, POLES, GUY WIRES, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, COMMUNICATION BOXES/PEDESTALS, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES AT NO COST TO THE OWNER.
  - THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATE PROPERTY OR PUBLIC IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: FENCES, WALLS, SIGNS, PAVEMENT, CURBS, UTILITIES, SIDEWALKS, GRASS, TREES, LANDSCAPING, AND IRRIGATION SYSTEMS, ETC.... TO ORIGINAL CONDITION OR BETTER AT NO COST TO THE OWNER.
  - SITE SAFETY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
  - THESE PLANS DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONTRACTOR OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE ENGINEER'S SEAL HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF ALL REQUIRED SAFETY PROCEDURES AND PROGRAMS.
  - SIGNS RELATED TO SITE OPERATION OR SAFETY ARE NOT INCLUDED IN THESE PLANS.
  - CONTRACTOR STAGING AREA SHALL BE AGREED ON BY THE OWNER AND CONTRACTOR PRIOR TO BEGINNING OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITTING REQUIREMENTS FOR THE CONSTRUCTION STORAGE AND STAGING OPERATIONS AND LOCATIONS.
  - ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
  - TOP RIM ELEVATIONS OF ALL EXISTING AND PROPOSED MANHOLES SHALL BE COORDINATED WITH TOP OF PAVEMENT OR FINISHED GRADE AND SHALL BE ADJUSTED TO BE FLUSH WITH THE ACTUAL FINISHED GRADE AT THE TIME OF PAVING.
  - CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED VALVES, FIRE HYDRANTS, AND OTHER UTILITY APPURTENANCES TO MATCH ACTUAL FINISHED GRADES AT THE TIME OF PAVING.
  - THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SEQUENCING AND PHASING, AND SHALL CONTACT THE APPROPRIATE CITY OFFICIALS, INCLUDING BUILDING OFFICIAL, ENGINEERING INSPECTOR, AND FIRE MARSHALL TO LEARN OF ANY REQUIREMENTS.
  - CONTRACTOR IS RESPONSIBLE FOR PREPARATION, SUBMITTAL, AND APPROVAL BY THE CITY OF A TRAFFIC CONTROL PLAN PRIOR TO THE START OF CONSTRUCTION, AND THEN THE IMPLEMENTATION OF THE PLAN.
  - CONTRACTOR SHALL KEEP A NEAT AND ACCURATE RECORD OF CONSTRUCTION, INCLUDING ANY DEVIATIONS OR VARIANCES FROM THE PLANS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT PLANS TO THE ENGINEER AND CITY IDENTIFYING ALL DEVIATIONS AND VARIATIONS FROM THESE PLANS MADE DURING CONSTRUCTION.

### EROSION CONTROL:

- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL EROSION CONTROL AND WATER QUALITY REQUIREMENTS, LAWS, AND ORDINANCES THAT APPLY TO THE CONSTRUCTION SITE LAND DISTURBANCE.
- EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBANCE.
- ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT.

## KIMLEY HORN GENERAL NOTES (CONT'D)

- CONTRACTOR IS SOLELY RESPONSIBLE FOR INSTALLATION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL EROSION CONTROL DEVICES, BEST MANAGEMENT PRACTICES (BMPs), AND FOR UPDATING THE EROSION CONTROL PLAN DURING CONSTRUCTION AS FIELD CONDITIONS CHANGE.
- CONTRACTOR SHALL DOCUMENT THE DATES OF INSTALLATION, MAINTENANCE OR MODIFICATION, AND REMOVAL FOR EACH BMP EMPLOYED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IF APPLICABLE.
- THE EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE AREA IT PROTECTS HAS BEEN PERMANENTLY STABILIZED.
- CONTRACTOR SHALL PROVIDE ADEQUATE EROSION CONTROL DEVICES NEEDED DUE TO PROJECT PHASING.
- CONTRACTOR SHALL OBSERVE THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES AND MAKE FIELD ADJUSTMENTS AND MODIFICATIONS AS NEEDED TO PREVENT SEDIMENT FROM LEAVING THE SITE. IF THE EROSION CONTROL DEVICES DO NOT EFFECTIVELY CONTROL EROSION AND PREVENT SEDIMENTATION FROM WASHING OFF THE SITE, THEN THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
- OFF-SITE SOIL, BORROW, SPOIL, AND STORAGE AREAS (IF APPLICABLE) ARE CONSIDERED AS PART OF THE PROJECT SITE AND MUST ALSO COMPLY WITH THE EROSION CONTROL REQUIREMENTS FOR THIS PROJECT. THIS INCLUDES THE INSTALLATION OF BMPs TO CONTROL EROSION AND SEDIMENTATION AND THE ESTABLISHMENT OF PERMANENT GROUND COVER ON DISTURBED AREAS PRIOR TO FINAL APPROVAL OF THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR MODIFYING THE SWPPP AND EROSION CONTROL PLAN TO INCLUDE BMPs FOR ANY OFF-SITE THAT ARE NOT ANTICIPATED OR SHOWN ON THE EROSION CONTROL PLAN.
- ALL STAGING, STOCKPILES, SPOIL, AND STORAGE SHALL BE LOCATED SUCH THAT THEY WILL NOT ADVERSELY AFFECT STORM WATER QUALITY. PROTECTIVE MEASURES SHALL BE PROVIDED IF NEEDED TO ACCOMPLISH THIS REQUIREMENT, SUCH AS COVERING OR ENCIRCLING THE AREA WITH AN APPROPRIATE BARRIER.
- CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES, BMPs, DISTURBED AREAS, AND VEHICLE ENTRY AND EXIT AREAS WEEKLY AND WITHIN 24 HOURS OF ALL RAINFALL EVENTS OF 0.5 INCHES OR GREATER, AND KEEP A RECORD OF THIS INSPECTION IN THE SWPPP BOOKLET IF APPLICABLE, TO VERIFY THAT THE DEVICES AND EROSION CONTROL PLAN ARE FUNCTIONING PROPERLY.
- CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE AT ALL PRIMARY POINTS OF ACCESS IN ACCORDANCE WITH CITY SPECIFICATIONS. CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION TRAFFIC USES THE STABILIZED ENTRANCE AT ALL TIMES FOR ALL INGRESS/EGRESS.
- SITE ENTRY AND EXITS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING AND FLOWING OF SEDIMENT AND DIRT ONTO OFF-SITE ROADWAYS. ALL SEDIMENT AND DIRT FROM THE SITE THAT IS DEPOSITED ONTO AN OFF-SITE ROADWAY SHALL BE REMOVED IMMEDIATELY.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SILT AND DEBRIS FROM THE AFFECTED OFF-SITE ROADWAYS THAT ARE A RESULT OF THE CONSTRUCTION, AS REQUESTED BY THE CITY. AT A MINIMUM, THIS SHOULD OCCUR ONCE PER DAY FOR THE OFF-SITE ROADWAYS.
- WHEN WASHING OF VEHICLES IS REQUIRED TO REMOVE SEDIMENT PRIOR TO EXITING THE SITE, IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP BMP.
- ALL FINES IMPOSED FOR SEDIMENT OR DIRT DISCHARGED FROM THE SITE SHALL BE PAID BY THE RESPONSIBLE CONTRACTOR.
- WHEN SEDIMENT OR DIRT HAS CLOGGED THE CONSTRUCTION ENTRANCE VOID SPACES BETWEEN STONES OR DIRT IS BEING TRACKED ONTO A ROADWAY, THE AGGREGATE PAD MUST BE WASHED DOWN OR REPLACED. RUNOFF FROM THE WASH-DOWN OPERATION SHALL NOT BE ALLOWED TO DRAIN DIRECTLY OFF SITE WITHOUT FIRST FLOWING THROUGH ANOTHER BMP TO CONTROL SEDIMENTATION. PERIODIC RE-GRADING OR NEW STONE MAY BE REQUIRED TO MAINTAIN THE EFFECTIVENESS OF THE CONSTRUCTION ENTRANCE.
- TEMPORARY SEEDING OR OTHER APPROVED STABILIZATION SHALL BE INITIATED WITHIN 14 DAYS OF THE LAST DISTURBANCE OF ANY AREA, UNLESS ADDITIONAL CONSTRUCTION IN THE AREA IS EXPECTED WITHIN 21 DAYS OF THE LAST DISTURBANCE.
- CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING CONSTRUCTION, ALWAYS CLEANING UP DIRT, LOOSE MATERIAL, AND TRASH AS CONSTRUCTION PROGRESSES.
- UPON COMPLETION OF FINE GRADING, ALL SURFACES OF DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED. STABILIZATION IS ACHIEVED WHEN THE AREA IS EITHER COVERED BY PERMANENT PAVEMENT, OR A UNIFORM PERENNIAL VEGETATIVE COVER.
- AT THE CONCLUSION OF THE PROJECT, ALL INLETS, DRAIN PIPE, CHANNELS, DRAINAGEWAYS AND BORROW DITCHES AFFECTED BY THE CONSTRUCTION SHALL BE DREGDED, AND THE SEDIMENT GENERATED BY THE PROJECT SHALL BE REMOVED AND DISPOSED IN ACCORDANCE WITH APPLICABLE REGULATIONS.

### DEMOLITION:

- KH IS NOT RESPONSIBLE FOR THE MEANS AND METHODS EMPLOYED BY THE CONTRACTOR TO IMPLEMENT THIS DEMOLITION PLAN. THIS PRELIMINARY DEMOLITION PLAN SIMPLY INDICATES THE KNOWN OBJECTS ON THE SUBJECT TRACT THAT ARE TO BE DEMOLISHED AND REMOVED FROM THE SITE.
- KH DOES NOT WARRANT OR REPRESENT THAT THE PLAN, WHICH WAS PREPARED BASED ON SURVEY AND UTILITY INFORMATION PROVIDED BY OTHERS, SHOWS ALL IMPROVEMENTS AND UTILITIES. THAT THE IMPROVEMENTS AND UTILITIES ARE SHOWN ACCURATELY, OR THAT THE UTILITIES SHOWN CAN BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ITS OWN SITE RECONNAISSANCE TO SCOPE ITS WORK AND TO CONFIRM WITH THE CITY OF IMPROVEMENTS AND UTILITIES THE ABILITY AND PROCESS FOR THE REMOVAL OF THEIR FACILITIES.
- THIS PLAN IS INTENDED TO GIVE A GENERAL GUIDE TO THE CONTRACTOR, NOTHING MORE. THE GOAL OF THE DEMOLITION IS TO LEAVE THE SITE IN A STATE SUITABLE FOR THE CONSTRUCTION OF THE PROPOSED DEVELOPMENT, REMOVAL OR PRESERVATION OF IMPROVEMENTS, UTILITIES, ETC. TO ACCOMPLISH THIS GOAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- OBTAIN/REVIEW/AND COMPLY WITH THE RECOMMENDATION OF SUCH STUDIES PRIOR TO STARTING ANY WORK ON THE SITE.
- CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS REGARDING THE DEMOLITION OF OBJECTS ON THE SITE AND THE DISPOSAL OF THE DEMOLISHED MATERIALS OFF-SITE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO REVIEW THE SITE, DETERMINE THE APPLICABLE REGULATIONS, RECEIVE THE REQUIRED PERMITS AND AUTHORIZATIONS, AND COMPLY.
- KH DOES NOT REPRESENT THAT THE REPORTS AND SURVEYS REFERENCED ABOVE ARE ACCURATE, COMPLETE, OR COMPREHENSIVE SHOWING ALL ITEMS THAT WILL NEED TO BE DEMOLISHED AND REMOVED.

### GRADING:

- THE CONTRACTOR AND GRADING SUBCONTRACTOR SHALL VERIFY THE SUITABILITY OF EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE START OF CONSTRUCTION. THE CIVIL ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
- CONTRACTOR SHALL OBTAIN ANY REQUIRED GRADING PERMITS FROM THE CITY.
- UNLESS OTHERWISE NOTED, PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN IN PAVED AREA REFLECT TOP OF PAVEMENT SURFACE. IN LOCATIONS ALONG A CURB LINE, ADD 6-INCHES (OR THE HEIGHT OF THE CURB) TO THE PAVING GRADE FOR TOP OF CURB ELEVATION.
- PROPOSED SPOT ELEVATIONS AND CONTOURS OUTSIDE THE PAVEMENT ARE TO TOP OF FINISHED GRADE.
- PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNATED GRADIENT ARE TO BE USED IN CASE OF DISCREPANCY.
- ALL FINISHED GRADES SHALL TRANSITION UNIFORMLY BETWEEN THE FINISHED ELEVATIONS SHOWN.
- NO REPRESENTATIONS OF EARTHWORK QUANTITIES OR SITE BALANCE ARE MADE BY THESE PLANS. THE CONTRACTOR SHALL PROVIDE THEIR OWN EARTHWORK CALCULATION TO DETERMINE THEIR CONTRACT QUANTITIES AND COST. ANY SIGNIFICANT VARIANCE FROM A BALANCED SITE SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CIVIL ENGINEER.
- ALL EXCAVATION IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED. UNUSABLE EXCAVATED MATERIAL AND ALL WASTE RESULTING FROM SITE CLEARING AND GRUBBING SHALL BE REMOVED FROM THE SITE AND APPROPRIATELY DISPOSED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE.
- EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF GRADING. REFERENCE EROSION CONTROL PLAN, DETAILS, GENERAL NOTES, AND SWPPP FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- BEFORE ANY EARTHWORK IS PERFORMED, THE CONTRACTOR SHALL STAKE OUT AND MARK THE LIMITS OF THE PROJECT'S PROPERTY LINE AND SITE IMPROVEMENTS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ENGINEERING AND SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.
- CONTRACTOR TO DISPOSE OF ALL EXCESS EXCAVATION MATERIALS IN A MANNER THAT ADHERES TO LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. THE CONTRACTOR SHALL KEEP A RECORD OF WHERE EXCESS EXCAVATION WAS DISPOSED, ALONG WITH THE RECEIVING CITY'S APPROVAL TO DO SO.

## KIMLEY HORN GENERAL NOTES (CONT'D)

- CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION, INCLUDING MAINTAINING EXISTING DITCHES OR CULVERTS FREE OF OBSTRUCTIONS AT ALL TIMES.
  - NO EARTHWORK FILL SHALL BE PLACED IN ANY EXISTING DRAINAGE WAY, SWALE, CHANNEL, DITCH, CREEK, OR FLOODPLAIN FOR ANY REASON OR ANY LENGTH OF TIME, UNLESS THESE PLANS SPECIFICALLY INDICATE THIS IS REQUIRED.
  - THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND CONDITION FILL PER THE PROJECT SPECIFICATIONS. THE FILL MATERIAL TO BE USED SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO PLACEMENT.
  - CONTRACTOR IS RESPONSIBLE FOR ALL SOILS TESTING AND CERTIFICATION, UNLESS SPECIFIED OTHERWISE BY THE CITY. ALL SOILS TESTING SHALL BE COORDINATED WITH THE APPROPRIATE CITY INSPECTOR AND SHALL COMPLY WITH CITY STANDARD SPECIFICATIONS AND THE GEOTECHNICAL REPORT. SOILS TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING SOILS. THE CITY SHALL APPROVE THE AGENCY NOMINATED BY THE CONTRACTOR FOR SOILS TESTING.
  - ALL COPIES OF SOILS TEST RESULTS SHALL BE SENT TO THE CITY AND ENGINEER DIRECTLY FROM THE TESTING AGENCY.
  - IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SHOW, BY THE STANDARD TESTING PROCEDURES OF THE SOILS, THAT THE WORK CONSTRUCTED MEETS THE PROJECT REQUIREMENTS AND CITY SPECIFICATIONS.
  - THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST. CONTRACTOR SHALL CONTROL DUST BY SPRINKLING WATER, OR BY OTHER MEANS APPROVED BY THE CITY, AT NO ADDITIONAL COST TO THE CITY.
  - CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES FOR ANY REQUIRED UTILITY ADJUSTMENTS AND/OR RELOCATIONS NEEDED FOR GRADING OPERATIONS AND TO ACCOMMODATE PROPOSED GRADE, INCLUDING THE UNKNOWN UTILITIES NOT SHOWN ON THESE PLANS. CONTRACTOR SHALL REFER TO THE GENERAL NOTES "OVERALL" SECTION THESE PLANS FOR ADDITIONAL INFORMATION.
  - EXISTING TREE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. CONTRACTOR SHALL REPORT ANY DISCREPANCIES FOUND IN THE FIELD THAT AFFECT THE GRADING PLAN TO THE CIVIL ENGINEER.
  - CONTRACTOR SHALL FIELD VERIFY ALL PROTECTED TREE LOCATIONS, INDIVIDUAL PROTECTED TREE CRITICAL ROOT ZONES, AND PROPOSED SITE GRADING, AND NOTIFY THE CIVIL ENGINEER OF ANY CONFLICTS WITH THE PLANS PRIOR TO COMMENCING THE WORK.
  - TREE PROTECTION MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY STANDARD TREE PROTECTION DETAILS.
  - NO TREE SHALL BE REMOVED UNLESS A TREE REMOVAL PERMIT HAS BEEN ISSUED BY THE CITY, OR CITY HAS OTHERWISE CONFIRMED IN WRITING THAT ONE IS NOT NEEDED FOR THE TREE(S).
  - NO TREE SHALL BE REMOVED OR DAMAGED WITHOUT PRIOR AUTHORIZATION OF THE CITY. EXISTING TREES SHALL BE PRESERVED WHENEVER POSSIBLE AND GRADING IMPACT TO THEM HELD TO A MINIMUM.
  - AFTER PLACEMENT OF SUBGRADE AND PRIOR TO PLACEMENT OF PAVEMENT, CONTRACTOR SHALL TEST AND OBSERVE PAVEMENT AREAS FOR EVIDENCE OF PONING AND INADEQUATE SLOPE FOR DRAINAGE. ALL AREAS SHALL ADEQUATELY DRAIN TOWARDS THE INTENDED STRUCTURE TO CONVEY STORMWATER RUNOFF. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY AND ENGINEER IF ANY AREAS OF POOR DRAINAGE ARE DISCOVERED.
  - CONTRACTOR FIELD ADJUSTMENT OF PROPOSED SPOT GRADES IS ALLOWED, IF THE APPROVAL OF THE CIVIL ENGINEER IS OBTAINED.
- RETAINING WALLS:**
- RETAINING WALLS SHOWN ARE FOR SITE GRADING PURPOSES ONLY, AND INCLUDE ONLY LOCATION AND SURFACE SPOT ELEVATIONS AT THE TOP AND BOTTOM OF THE WALL.
  - RETAINING WALL TYPE OR SYSTEM SHALL BE SELECTED BY THE CITY.
  - RETAINING WALL DESIGN SHALL BE PROVIDED BY OTHERS AND SHALL FIT IN THE WALL ZONE OR LOCATION SHOWN ON THESE PLANS. STRUCTURAL DESIGN AND PERMITTING OF RETAINING WALLS, RAILINGS, AND OTHER WALL SAFETY DEVICES SHALL BE PERFORMED BY A LICENSED ENGINEER AND ARE NOT PART OF THIS PLAN SET.
  - RETAINING WALL DESIGN SHALL MEET THE INTENT OF THE GRADING PLAN AND SHALL ACCOUNT FOR ANY INFLUENCE ON ADJACENT BUILDING FOUNDATIONS, UTILITIES, PROPERTY LINES AND OTHER CONSTRUCTABILITY NOTES.
  - RETAINING WALL ENGINEER SHALL CONSULT THESE PLANS FOR POTENTIAL CONFLICTS.
- PAVING:**
- ALL PAVING MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS, THE CITY STANDARD DETAILS AND SPECIFICATIONS. THE CITY SPECIFICATIONS SHALL GOVERN WHERE OTHER SPECIFICATIONS DO NOT EXIST. IN CASE OF CONFLICTING SPECIFICATIONS OR DETAILS, THE MORE RESTRICTIVE SPECIFICATION/DETAIL SHALL BE FOLLOWED.
  - ALL PUBLIC PAVING AND PAVING SUBGRADE SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.
  - CONTRACTOR IS RESPONSIBLE FOR ALL PAVING AND PAVING SUBGRADE TESTING AND CERTIFICATION, UNLESS SPECIFIED OTHERWISE BY THE CITY. ALL PAVING AND PAVING SUBGRADE TESTING SHALL BE COORDINATED WITH THE APPROPRIATE CITY INSPECTOR. TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING PAVING AND SUBGRADE. THE CITY SHALL APPROVE THE AGENCY NOMINATED BY THE CONTRACTOR FOR PAVING AND PAVING SUBGRADE TESTING.
  - IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SHOW, BY THE STANDARD TESTING PROCEDURES OF THE PAVING AND PAVING SUBGRADE, THAT THE WORK CONSTRUCTED MEETS THE PROJECT REQUIREMENTS AND CITY SPECIFICATIONS.
  - ALL ACCESSIBLE RAMPS, CURB RAMPS, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO ADA AND TAS STANDARDS, LATEST EDITION.
  - CONTRACTOR SHALL CONSTRUCT PROPOSED PAVEMENT TO MATCH EXISTING PAVEMENT WITH A SMOOTH, FLUSH, CONNECTION.
  - CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR FIRE LANES, PARKING STALLS, HANDICAPPED PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDING AS SHOWN ON THE PLANS. ALL PAINT AND PAVEMENT MARKINGS SHALL ADHERE TO CITY STANDARDS.
  - REFER TO CITY STANDARD DETAILS AND SPECIFICATIONS FOR JOINT LAYOUT PLAN REQUIREMENTS FOR PUBLIC PAVEMENT.
  - ALL REINFORCING STEEL SHALL CONFORM TO THE CITY STANDARDS, AND SHALL BE SUPPORTED BY BAR CHAIRS.
  - ALL JOINTS SHALL EXTEND THROUGH THE CURB.
  - THE MINIMUM LENGTH OF OFFSET JOINTS AT RADIUS POINTS SHALL BE 2 FEET.
  - CONTRACTOR SHALL SUBMIT A JOINTING PLAN TO THE ENGINEER AND CITY PRIOR TO BEGINNING ANY OF THE PAVING WORK.
  - ALL SAWCUTS SHALL BE FULL DEPTH FOR PAVEMENT REMOVAL AND CONNECTION TO EXISTING PAVEMENT.
  - CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO VERIFY THAT ADA/TAS SLOPE REQUIREMENTS ARE PROVIDED. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR ADA SLOPE COMPLIANCE ISSUES.

### STORM DRAINAGE:

- ALL STORM SEWER MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, CONDITION, HORIZONTAL, AND VERTICAL LOCATIONS OF ALL EXISTING STORM SEWER FACILITIES THAT ARE TO BE CONNECTED TO, PRIOR TO START OF CONSTRUCTION OF ANY STORM SEWER, AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS DISCOVERED.
- THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF CURB INLETS AND GRATE INLETS AND ALL UTILITIES CROSSING THE STORM SEWER.
- FLOW LINE, TOP-OF-CURB, RIM, THROAT, AND GRATE ELEVATIONS OF PROPOSED INLETS SHALL BE VERIFIED WITH THE GRADING PLAN AND FIELD CONDITIONS PRIOR TO THEIR INSTALLATION.
- ALL PUBLIC STORM SEWER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO CITY PUBLIC WORKS STANDARD DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.

## GENERAL LANDSCAPE NOTES

- THE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND THE MOST CURRENT EDITION OF THE APPLICABLE CITY AND/OR REGIONAL STANDARDS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO OBTAIN COPIES OF THESE STANDARDS, SPECIFICATIONS AND DRAWINGS, AS WELL AS ALL OTHER STANDARDS AND SPECIFICATIONS WHICH MAY BE NECESSARY TO COMPLETE AND ACCURATELY INTERPRET THESE PLANS.
- ALL QUANTITIES LISTED IN THE LANDSCAPE SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. IN THE CASE OF ANY DISCREPANCIES, PLANS SHALL OVER RIDE THE LANDSCAPE AND BID SCHEDULE QUANTITIES. CONTRACTOR SHALL VERIFY QUANTITIES SHOWN ON THE PLANS AND BASE THEIR BID ACCORDINGLY.
- RESPONSIBILITY FOR ESTABLISHING SUBGRADES IS NOT INCLUDED IN THIS WORK. INSPECT SUBGRADES PRIOR TO COMMENCING WORK TO CONFIRM SUBGRADE DEPTHS AND GRADES. ADVISE LANDSCAPE ARCHITECT OF DISCREPANCIES WITH DRAWINGS OR SPECIFICATIONS. ALL PLANTING AREAS SHALL BE LEFT FREE OF CONSTRUCTION DEBRIS AND/OR TOXIC MATERIAL AND SUBGRADED TO A LEVEL TO PERMIT LANDSCAPE CONSTRUCTION. TRENCHES OR OTHER FILLED EXCAVATIONS SHALL BE COMPACTED PRIOR TO LANDSCAPE INSTALLATION.
- SITE GRADING NECESSITATED BY THE WORK AS IT PROGRESSES AND NOT SPECIFICALLY CALLED OUT ON THE PLANS WILL BE CONSIDERED INCIDENTAL WORK.
- ALL LANDSCAPE AREAS SHALL BE UNIFORMLY GRADED SO THAT FINISHED SURFACES CONFORM TO THE TYPICAL SECTIONS AND PROPOSED GRADES SHOWN. FINISHED SURFACES SHALL BE REASONABLY SMOOTH, COMPACTED, AND FREE FROM IRREGULAR SURFACE DRAINAGE. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING THE FINISH GRADE AND SHALL BEAR FINAL RESPONSIBILITY FOR PROPER SURFACE DRAINAGE OF PLANTED AREAS.
- PRIOR TO COMMENCEMENT OF ANY WORK, DETERMINE LOCATION OF ALL UNDERGROUND UTILITIES THROUGH "811" OR OTHER METHOD AND PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE. HAND EXCAVATE, AS REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES CAUSED AS A RESULT OF HIS WORK.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY THE PRESENT LOCATION OF ANY AND ALL EXISTING OVERHEAD AND/OR UNDERGROUND UTILITIES THAT MAY INTERFERE WITH THIS CONSTRUCTION, WHETHER OR NOT SAID UTILITIES ARE SHOWN ON THE CONSTRUCTION PLANS FOR THIS PROJECT AND TO ADEQUATELY PROTECT AND MAINTAIN ANY SUCH UTILITIES.
- EXCAVATE PITS, AS SHOWN ON DRAWINGS AND DETAILS. LOOSEN HARD SUBSOIL IN BOTTOM OF EXCAVATION. TEST DRAINAGE OF TREE, SHRUB AND PLANT PITS BY FILLING WITH WATER TWICE IN SUCCESSION. CONDITIONS PERMITTING THE RETENTION OF WATER IN PLANTING PITS FOR MORE THAN TWENTY-FOUR (24) HOURS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. SUBMIT IN WRITING A PROPOSAL FOR THE CORRECTION TO THE OWNER'S REPRESENTATIVE FOR APPROVAL BEFORE PROCEEDING WITH WORK.
- IF ROCK, UNDERGROUND CONSTRUCTION, ADVERSE DRAINAGE CONDITIONS, OR OTHER OBSTRUCTIONS ARE ENCOUNTERED IN EXCAVATION FOR PLANTING OF ANY PLANT MATERIAL, NOTIFY THE OWNER'S REPRESENTATIVE. NEW LOCATIONS MAY BE SELECTED BY THE OWNER'S REPRESENTATIVE, OR INSTRUCTIONS MAY BE ISSUED TO DIRECT REMOVAL OF OBSTRUCTION. PROCEED WITH WORK ONLY AFTER APPROVAL OF THE OWNER'S REPRESENTATIVE.
- DO NOT MAKE SUBSTITUTIONS. IF SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY FROM AT LEAST FIVE SOURCES TO THE OWNER'S REPRESENTATIVE, TOGETHER WITH PROPOSAL FOR USE OF EQUIVALENT MATERIAL FOR FINAL APPROVAL.
- ALL PLANT MATERIAL AND SPECIFICATIONS TO CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK STANDARDS UNLESS OTHERWISE NOTED.
- LAY OUT INDIVIDUAL TREE AND PLANT LOCATIONS AND AREAS FOR MULTIPLE PLANTINGS, STAKE LOCATIONS AND OUTLINE AREAS AND SECURE THE OWNER'S REPRESENTATIVE'S ACCEPTANCE BEFORE START OF PLANTING WORK. MAKE MINOR ADJUSTMENTS AS MAY BE DIRECTED.
- ALL PLANT PITS SHALL BE AMENDED AS SPECIFIED, UNLESS A SITE SPECIFIC SOIL TEST INDICATES OTHERWISE. BACKFILL MIX SHALL BE PLACED IN 6" LIFTS AND TAMPED INTO PLACE AROUND THE PLANT. NO TRANSPLANTING SHALL BE DONE WHEN SOIL IS EXCESSIVELY WET. DO NOT COUNTERSINK AROUND CACTI OR SUCCEULENTS. PROVIDE POSITIVE DRAINAGE AWAY FROM PLANT.
- ALL TREES SHALL BE PLANTED A MINIMUM OF 5 FEET. ALL SHRUBS AND ACCENTS A MINIMUM OF 36", AND ALL GROUNDCOVERS 18" FROM EDGE OF CURBS, WALKS, WALLS, PADS, ETC., UNLESS DIRECTED OTHERWISE BY THE LANDSCAPE ARCHITECT.
- ALL SHRUBS SHALL HAVE A FULL HEAD THAT COVERS THE CAN DIAMETER (CAN FULL) AND A MINIMUM OF THREE STEMS/BRANCHES.
- FINISH GRADE FOR PLANTED AREAS SHALL BE 1" BELOW ALL CURBS, WALKS AND PAVING WITH SMOOTH EVEN LINES AT EDGES OF STRUCTURES.
- FINISH LANDSCAPE GRADES SHALL SLOPE AT A 2% GRADE AWAY FROM CURBS, WALKS, AND WALLS.
- ALL LANDSCAPE AREAS SHALL RECEIVE A 3" DEPTH OF MULCH, OR AS SHOWN ON THESE PLANS. MULCH SHALL EXTEND UNDER ALL TREES, SHRUBS, AND PLANTS. APPLY PRE-EMERGENT HERBICIDE PRIOR TO AND AFTER MULCH INSTALLATION.
- PROVIDE SAMPLES OF PROPOSED MULCH SHOWING COLOR, GRADATION SIZE RANGE AND TEXTURE INCLUDING PROPOSED SOURCE. PROVIDE 1/2 CUBIC FOOT SAMPLE OF EACH.
- ANY ROCK MULCH OR DECOMPOSED GRANITE SHALL NOT CONTAIN LUMPS OR BALLS OF CLAY, CALICHE, ORGANIC MATTER OR CALCAREOUS COATING. THE CONTRACTOR SHALL ENSURE THAT SUFFICIENT QUANTITY IS AVAILABLE FROM A SINGLE SOURCE TO COMPLETE THE PROJECT. THE OWNER'S REPRESENTATIVE SHALL APPROVE SAMPLES PRIOR TO ORDERING.
- NO JOB WILL BE CONSIDERED COMPLETE UNTIL ALL CURBS, PAVEMENT AND SIDEWALKS HAVE BEEN SWEEPED CLEAN OF ALL DIRT AND DEBRIS ACCORDING TO PLANS.
- IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY PERMITS REQUIRED. (SEE THE CITY GENERAL CONDITIONS)
- ALL PLANT MATERIAL SHALL BE MAINTAINED FOR A MINIMUM PERIOD OF NINETY (90) DAYS FROM THE DATE OF MAINTENANCE BEGINNING.
- ALL CONSTRUCTION ROADS AND COMPACTED AREAS DEVELOPED THROUGH CONSTRUCTION THAT ARE WITHIN THE LANDSCAPE AREAS SHALL BE SCARIFIED AND LOOSENED TO A DEPTH OF 12" PRIOR TO LANDSCAPE AND IRRIGATION WORK BEGINNING.
- PLANTINGS WITHIN THE SIGHT VISIBILITY TRIANGLE LINE SHALL BE MAINTAINED SO THAT NO LIMBS HANG LOWER THAN SEVEN (7) FEET AND SHRUBS OR OTHER PLANTS PLANTED WITHIN THE SIGHT VISIBILITY TRIANGLE LINE SHALL BE NO TALLER THAN TWO (2) FEET AT FULL GROWTH.

## SITE PREPARATION NOTES

- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL MEET THE OWNER OR OWNER'S REPRESENTATIVE AND IDENTIFY TREES WHICH ARE TO BE PROTECTED AS WELL AS THOSE WHICH ARE TO BE REMOVED. DO NOT PROCEED WITHOUT A CLEAR UNDERSTANDING OF EXISTING CONDITIONS TO BE PRESERVED.
- TREES TO REMAIN SHALL BE PROTECTED BY THE INSTALLATION OF FENCING AT THE DRIPLINE OF THE TREE CANOPY OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE. FENCING SHALL BE INSTALLED PRIOR TO CONSTRUCTION. FENCING SHALL BE SUFFICIENT TO PREVENT CONSTRUCTION EQUIPMENT FROM COMPACTING SOIL AT THE ROOT ZONE AND DAMAGING TRUNKS AND/OR BRANCHES.
- IF, IN ORDER TO PERFORM EXCAVATION WORK, IT BECOMES NECESSARY TO CUT ROOTS OF PLANTS TO BE SAVED, SUCH ROOTS SHOULD BE CUT NEATLY, COVERED WITH BURLAP AND KEPT MOIST UNTIL ROOTS ARE BACK FILLED.
- TREE REMOVAL SHALL INCLUDE THE FILLING, CUTTING, GRUBBING OUT OF ENTIRE ROOTBALLS AND SATISFACTORY OFF-SITE DISPOSAL OF TREES, SHRUBS, STUMPS, VEGETATIVE AND EXTRANEOUS DEBRIS PRODUCED BY THE REMOVAL OPERATIONS.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE INSIDE AND OUTSIDE THE PROPERTY LINE DUE TO HIS OR HER CONTRACT OPERATIONS.
- ALL REFUSE, DEBRIS, UNSUITABLE MATERIALS AND MISCELLANEOUS MATERIALS TO BE REMOVED SHALL BE LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES IN THE SITE SURVEY TO THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO STARTING WORK.



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KHA PROJECT

197008001

DATE

10/11/2019

SCALE

1" = 40'

DESIGNED BY

MJL

DRAWN BY

MS

CHECKED BY

MF

PRELIMINARY

FOR REVIEW ONLY NOT FOR

CONSTRUCTION OR PERMIT

PURPOSES

Kimley»Horn

Engineer

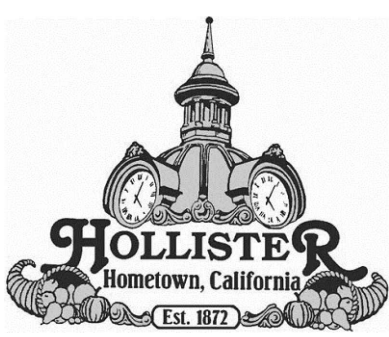
MARK FALGOUT

P.E. No.

63394

Date

10/11/2019



## RIVER PARK TRAIL PROJECT 2018/2019

HOLLISTER

CALIFORNIA

DRAWING NUMBER

C003

SHEET NUMBER

3 OF 17

Printed By: Lisak, Matt | Sheet Set: Google Maps | Layout: MITIGATION NOTES | October 11, 2019 | 12:31:10pm | K:\BAY | LDE\197008001 - Hollister River Park Trail - MAP-08 CADD Plan Sheets\001 COVER SHEET.dwg  
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RIVER MITIGATION NOTES

- BR-3**
- a. A QUALIFIED BIOLOGIST SHOULD CONDUCT A PRE-CONSTRUCTION SURVEY LESS THAN 30 DAYS PRIOR TO CONSTRUCTION WITHIN THE PROJECT SITE IN ACCORDANCE WITH THE CDFG BURROWING OWL SURVEY PROTOCOL (CDFG, 1995). IF NO BURROWING OWLS OR SIGNS OF THEIR PRESENCE ARE DETECTED IN THE VICINITY OF THE PROJECT SITE DURING THE PRE-CONSTRUCTION SURVEY, A LETTER REPORT DOCUMENTING SURVEY METHODS AND FINDINGS SHALL BE SUBMITTED TO THE CITY OF HOLLISTER AND CDFG, AND NO FURTHER MITIGATION IS REQUIRED.
  - b. IF UNOCCUPIED BURROWS ARE DETECTED DURING THE NON-BREEDING SEASON (SEPTEMBER THROUGH JANUARY 31), THE APPLICANT MAY COLLAPSE THE UNOCCUPIED BURROWS, OR OTHERWISE OBSTRUCT THEIR ENTRANCES TO PREVENT OWLS FROM ENTERING AND NESTING IN THE BURROWS.
  - c. IF OCCUPIED BURROWING OWL BURROWS ARE DETECTED, IMPACTS ON BURROWS SHALL BE AVOIDED BY PROVIDING A BUFFER OF 160 FEET DURING THE NON-BREEDING SEASON (SEPTEMBER 1 THROUGH JANUARY 31) OR 250 FEET DURING THE BREEDING SEASON (FEBRUARY 1 THROUGH AUGUST 31). THE SIZE OF THE BUFFER AREA MAY BE ADJUSTED IF A QUALIFIED BIOLOGIST OR THE CDFG DETERMINE THE BURROWING OWL WOULD NOT LIKELY BE AFFECTED BY THE PROPOSED PROJECT. PROJECT ACTIVITIES SHALL NOT COMMENCE WITHIN THE BUFFER AREA UNTIL A QUALIFIED BIOLOGIST CONFIRMS THAT THE BURROW IS NO LONGER OCCUPIED. IF THE BURROW IS OCCUPIED BY A NESTING PAIR, A MINIMUM OF 7.5 ACRES OF FORAGING HABITAT CONTIGUOUS TO THE BURROW SHALL BE MAINTAINED PER PAIR UNTIL THE BREEDING SEASON IS FINISHED.
  - d. IF IMPACTS TO OCCUPIED BURROWS ARE UNAVOIDABLE, ONSITE PASSIVE RELOCATION TECHNIQUES APPROVED BY THE CDFG SHALL BE USED TO ENCOURAGE BURROWING OWLS TO MOVE TO ALTERNATIVE BURROWS OUTSIDE OF THE PROJECT SITE. NO OCCUPIED BURROWS SHALL BE DISTURBED DURING THE NESTING SEASON UNLESS A QUALIFIED BIOLOGIST VERIFIES THROUGH NON-INVASIVE METHODS THAT JUVENILES FROM THE OCCUPIED BURROWS ARE FORAGING INDEPENDENTLY AND ARE CAPABLE OF INDEPENDENT SURVIVAL. MITIGATION FOR FORAGING HABITAT FOR RELOCATED PAIRS SHALL FOLLOW THE GUIDELINES PROVIDED IN THE CALIFORNIA BURROWING OWL SURVEY PROTOCOL AND MITIGATION GUIDELINES (BURROWING OWL CONSORTIUM, 1995). THE MITIGATION FOR FORAGING HABITAT FOR RELOCATED PAIRS RANGES FROM 7.5 TO 19.5 ACRES PER PAIR.
- BR-4**
- a. A QUALIFIED BIOLOGIST SHALL CONDUCT A PRE-CONSTRUCTION SURVEY WITHIN 14 DAYS PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES. THE USFWS WILL BE NOTIFIED SHOULD CRLF BE OBSERVED WITHIN THE PROJECT SITE.
  - b. A "SPECIES SENSITIVITY TRAINING" PROGRAM WILL BE ESTABLISHED FOR CRLF PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THIS PROGRAM WILL BE DESIGNED TO EDUCATE CONSTRUCTION PERSONNEL ABOUT THE MITIGATION MEASURES REQUIRED FOR THE EXECUTION OF THE PROJECT. ALL CONSTRUCTION PERSONNEL WILL ATTEND THE SENSITIVITY TRAINING THAT WILL PROVIDE INSTRUCTION ON CRLF IDENTIFICATION, STATUS AND DETAILED PROTOCOL OF THE ACTIONS THAT SHOULD BE TAKEN IN THE EVENT THAT A CRLF IS ENCOUNTERED ONSITE DURING CONSTRUCTION ACTIVITIES.
  - c. CONSTRUCTION CREW SHALL BE TRAINED DURING THE "SPECIES SENSITIVITY TRAINING" TO CHECK BENEATH THE STAGING EQUIPMENT EACH MORNING PRIOR TO COMMENCEMENT OF DAILY CONSTRUCTION ACTIVITIES. SHOULD CRLF OCCUR WITHIN THE STAGING AREAS, CONSTRUCTION ACTIVITIES SHALL BE HALTED UNTIL THE CRLF VACATES THE PROJECT SITE.
  - d. A QUALIFIED BIOLOGIST SHALL BE PRESENT DURING GRADING ACTIVITIES. SHOULD CRLF BE OBSERVED WITHIN THE PROJECT SITE, THE USFWS SHALL BE NOTIFIED AND CONSTRUCTION SHALL BE HALTED UNTIL EITHER THE CRLF EXITS THE SITE OR UNTIL A BIOLOGIST WITH A USFWS RECOVERY PERMIT FOR CRLF RELOCATES THE CRLF.
  - e. FOR SEGMENTS OF THE PIPELINE CORRIDOR AND PARKING AREAS THAT OCCUR WITHIN 100 FEET OF THE IWTP PONDS AND THE SAN BENITO RIVER, EXCLUSIONARY FENCING WILL BE ESTABLISHED TO PREVENT CRLF FROM ENTERING CONSTRUCTION AREAS. THE FENCING SHALL BE MARKED BY HIGHLY VISIBILITY SIGNS INDICATING THAT HUMAN ACTIVITY IS PROHIBITED WITHIN THESE AREAS.
- BR-5**
- a. A QUALIFIED BIOLOGIST WILL CONDUCT A PRE-CONSTRUCTION SURVEY FOR WESTERN POND TURTLE LESS THAN 14 DAYS PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES. ANY WESTERN POND TURTLE OBSERVED WILL BE MOVED BY A QUALIFIED BIOLOGIST TO A SUITABLE LOCATION OUTSIDE OF THE CONSTRUCTION AREA.
  - b. A "SPECIES SENSITIVITY TRAINING" PROGRAM WILL BE ESTABLISHED FOR WESTERN POND TURTLE. THIS PROGRAM WILL BE DESIGNED TO EDUCATE CONSTRUCTION PERSONNEL ABOUT THE MITIGATION MEASURES REQUIRED FOR THE EXECUTION OF THE PROJECT. ALL CONSTRUCTION PERSONNEL WILL ATTEND THE SENSITIVITY TRAINING THAT WILL PROVIDE INSTRUCTION ON WESTERN POND TURTLE IDENTIFICATION, STATUS AND DETAILED PROTOCOL OF THE ACTIONS THAT SHOULD BE TAKEN IN THE EVENT THAT A WESTERN POND TURTLE IS ENCOUNTERED ONSITE DURING CONSTRUCTION ACTIVITIES.
  - c. FOR SEGMENTS OF THE PIPELINE CORRIDOR AND PARKING AREAS THAT OCCUR WITHIN 100 FEET OF THE IWTP PONDS AND THE SAN BENITO RIVER, EXCLUSIONARY FENCING WILL BE ESTABLISHED TO PREVENT WESTERN POND TURTLE FROM ENTERING CONSTRUCTION AREAS. THE FENCING SHALL BE MARKED BY HIGHLY VISIBILITY SIGNS INDICATING THAT HUMAN ACTIVITY IS PROHIBITED WITHIN THESE AREAS.
  - d. IF WESTERN POND TURTLES ARE OBSERVED IN THE CONSTRUCTION AREA, CDFG WILL BE NOTIFIED AND CONSTRUCTION WILL BE HALTED UNTIL A QUALIFIED BIOLOGIST CAN RELOCATE THE WESTERN POND TURTLE.



RIVER MITIGATION NOTES (CONT'D)

- BR-6**
- A. IF CONSTRUCTION ACTIVITIES ARE TO OCCUR BETWEEN MARCH TO OCTOBER, THEN A QUALIFIED BIOLOGIST SHALL CONDUCT PRE-CONSTRUCTION SAN JOAQUIN WHIPSNAKE SURVEYS FOR ACTIVE DENS (WITHIN MAMMAL BURROWS AND STOCKPILES) BEFORE ANY CONSTRUCTION ACTIVITIES OCCUR IN OR ADJACENT TO SUITABLE DEN HABITAT. THE SURVEYS SHALL BE CONDUCTED WITHIN 14 DAYS PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES. SHOULD SAN JOAQUIN WHIPSNAKE BE OBSERVED WITHIN THE PROJECT SITE, THE BIOLOGIST SHALL NOTE THE LOCATION ON A MAP AND RESURVEY THE SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES ENSURE THE SNAKE VACATED THE AREA. SHOULD THE SAN JOAQUIN WHIPSNAKE STILL BE PRESENT, THEN A 50 FOOT BUFFER AROUND THE LOCATION SHALL BE ESTABLISHED AND CONSTRUCTION ACTIVITIES SHALL BE PROHIBITED WITHIN THE BUFFER ZONE UNTIL THE SNAKE HAS VACATED THE PROJECT SITE.
  - b. PRIOR TO REMOVAL OF STOCKPILES WITHIN THE PROPOSED PROJECT SITE, A "SPECIES SENSITIVITY TRAINING" PROGRAM WILL BE ESTABLISHED FOR THE SAN JOAQUIN WHIPSNAKE. THIS PROGRAM WILL BE DESIGNED TO EDUCATE CONSTRUCTION PERSONNEL ABOUT THE MITIGATION MEASURES REQUIRED FOR THE EXECUTION OF THE PROJECT. ALL CONSTRUCTION PERSONNEL WILL ATTEND THE SENSITIVITY TRAINING THAT WILL PROVIDE INSTRUCTION ON WHIPSNAKE IDENTIFICATION, STATUS AND DETAILED PROTOCOL OF THE ACTIONS THAT SHOULD BE TAKEN IN THE EVENT THAT A WHIPSNAKE IS ENCOUNTERED ONSITE DURING CONSTRUCTION.
  - c. A QUALIFIED BIOLOGIST SHALL BE PRESENT ON THE PROJECT SITE TO MONITOR THE DISTURBANCE AND REMOVAL OF ALL STOCKPILES. MONITORING SHALL TAKE PLACE THROUGHOUT THE ENTIRE REMOVAL PROCESS. SHOULD A SAN JOAQUIN WHIPSNAKE OCCUR BENEATH A STOCKPILE, THEN REMOVAL OF THAT STOCKPILE SHALL BE HALTED UNTIL THE WHIPSNAKE HAS VACATED THE STOCKPILE.
- BR-7**
- A. A QUALIFIED WILDLIFE BIOLOGIST SHALL CONDUCT PRE-CONSTRUCTION SURVEYS FOR SPECIAL-STATUS WESTERN MASTIFF BAT AND PALLID BAT IN THE VICINITY OF THE BRIDGE NO MORE THAN 14 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. IF NO ACTIVE ROOSTS OR EVIDENCE OF WESTERN MASTIFF OR PALLID BAT PRESENCE ARE DETECTED DURING THESE SURVEYS, NO ADDITIONAL MITIGATION IS REQUIRED.
  - b. SHOULD WESTERN MASTIFF OR PALLID BAT SPECIES BAT SPECIES OR THEIR ACTIVE ROOSTS BE DETECTED BENEATH THE BRIDGE DURING THE PRE-CONSTRUCTION SURVEY, THE STAGING AREA SHOULD BE SITUATED AT LEAST 100 FEET FROM THE BRIDGE. CONSTRUCTION ACTIVITIES SHOULD BE CARRIED OUT IN A SHORT TIMEFRAME WITHIN 100 FEET OF THE BRIDGE. A QUALIFIED BIOLOGIST SHALL BE PRESENT WHILE CONSTRUCTION ACTIVITIES ARE OCCURRING WITHIN 100 FEET OF THE BRIDGE.
- BR-8**
- A. A QUALIFIED BIOLOGIST SHALL CONDUCT PRE-CONSTRUCTION AMERICAN BADGER SURVEYS FOR ACTIVE DENS WITHIN 30 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. IF NO ACTIVE DENS ARE DETECTED DURING THESE SURVEYS, NO ADDITIONAL MITIGATION IS REQUIRED.
  - b. IF ACTIVE DENS ARE DETECTED WITHIN THE SURVEY AREA, THEN CDFG SHALL BE CONSULTED FOR RECOMMENDATIONS ON AVOIDANCE AND MINIMIZATION MEASURES. MEASURES MAY INCLUDE AVOIDANCE BUFFER ZONES, OR THAT PASSIVE RELOCATION TECHNIQUES BE EMPLOYED TO REMOVE THE ANIMAL(S) FROM THE SITE AND TRANSFER THEM TO AN OFF-SITE LOCATION.
- CR-1**
- IN THE EVENT OF THE UNANTICIPATED DISCOVERY OF BURIED OR CONCEALED HISTORICAL RESOURCES OR FOSSILIZED REMAINS, PROJECT ACTIVITIES SHALL CEASE IN THE AREA OF THE FIND, AND A QUALIFIED ARCHAEOLOGIST/PALEONTOLOGIST SHALL BE CONSULTED TO DETERMINE THE EXTENT AND SIGNIFICANCE OF THE RESOURCE AND TO DEVELOP ANY NECESSARY MITIGATION MEASURES. IF HUMAN REMAINS ARE INADVERTENTLY DISCOVERED, WORK SHALL CEASE IMMEDIATELY AND THE SAN BENITO COUNTY CORONER SHALL BE NOTIFIED IN ACCORDANCE WITH CALIFORNIA LAW. A PROFESSIONAL ARCHAEOLOGIST/OR PALEONTOLOGIST SHALL SUBSEQUENTLY BE HIRED TO ASSIST IN THE DEVELOPMENT OF APPROPRIATE MITIGATION MEASURES.
- GS-1**
- EROSION CONTROL MEASURES SHALL BE REQUIRED PRIOR TO AND THROUGHOUT THE RAINY SEASON. EROSION AND WATER QUALITY CONTROL MEASURES IDENTIFIED IN THE SWPPP COULD INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

- TEMPORARY EROSION CONTROL MEASURES (SUCH AS SILT FENCES, STAKED STRAW BALES, AND TEMPORARY REVEGETATION) SHALL BE EMPLOYED FOR DISTURBED AREAS. NO DISTURBED SURFACES WILL BE LEFT WITHOUT EROSION CONTROL MEASURES IN PLACE DURING THE WINTER AND SPRING MONTHS.
- SEDIMENT SHALL BE RETAINED ON-SITE BY A SYSTEM OF SEDIMENT BASINS, TRAPS, OR OTHER APPROPRIATE MEASURES.
- A SPILL PREVENTION AND COUNTERMEASURE PLAN SHALL BE DEVELOPED THAT WILL IDENTIFY PROPER STORAGE, COLLECTION, AND DISPOSAL MEASURES FOR POTENTIAL POLLUTANTS (SUCH AS FUEL, FERTILIZERS, PESTICIDES, ETC.) USED ON-SITE. THE PLAN WILL ALSO REQUIRE THE PROPER STORAGE, HANDLING, USE, AND DISPOSAL OF PETROLEUM PRODUCTS.
- CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED TO MINIMIZE LAND DISTURBANCE DURING PEAK RUNOFF PERIODS AND TO THE IMMEDIATE AREA REQUIRED FOR CONSTRUCTION. SOIL CONSERVATION PRACTICES SHALL BE COMPLETED DURING THE FALL OR LATE WINTER TO REDUCE EROSION DURING SPRING RUNOFF. EXISTING VEGETATION WILL BE RETAINED WHERE POSSIBLE. TO THE EXTENT FEASIBLE, GRADING ACTIVITIES SHALL BE LIMITED TO THE IMMEDIATE AREA REQUIRED FOR CONSTRUCTION.
- SURFACE WATER RUNOFF SHALL BE CONTROLLED BY DIRECTING FLOWING WATER AWAY FROM CRITICAL AREAS AND BY REDUCING RUNOFF VELOCITY. DIVERSION STRUCTURES SUCH AS TERRACES, DIKES, AND DITCHES SHALL COLLECT AND DIRECT RUNOFF WATER AROUND VULNERABLE AREAS TO PREPARED DRAINAGE OUTLETS. SURFACE ROUGHENING, BERMS, CHECK DAMS, HAY BALES, OR SIMILAR DEVICES SHALL BE USED TO REDUCE RUNOFF VELOCITY AND EROSION.
- SEDIMENT SHALL BE CONTAINED WHEN CONDITIONS ARE TOO EXTREME FOR TREATMENT BY SURFACE PROTECTION. TEMPORARY SEDIMENT TRAPS, FILTER FABRIC FENCES, INLET PROTECTORS, VEGETATIVE FILTERS AND BUFFERS, OR SETTLING BASINS SHALL BE USED TO DETAIN RUNOFF WATER LONG ENOUGH FOR SEDIMENT PARTICLES TO SETTLE OUT. STORE, COVER, AND ISOLATE CONSTRUCTION MATERIALS, INCLUDING TOPSOIL AND CHEMICALS, TO PREVENT RUNOFF LOSSES AND CONTAMINATION OF GROUNDWATER.

RIVER MITIGATION NOTES (CONT'D)

- TOPSOIL REMOVED DURING CONSTRUCTION SHALL BE CAREFULLY STORED AND TREATED AS AN IMPORTANT RESOURCE. BERMS SHALL BE PLACED AROUND TOPSOIL STOCKPILES TO PREVENT RUNOFF DURING STORM EVENTS.
  - ESTABLISH FUEL AND VEHICLE MAINTENANCE AREAS AWAY FROM ALL DRAINAGE COURSES AND DESIGN THESE AREAS TO CONTROL RUNOFF.
  - DISTURBED AREAS WILL BE RE-VEGETATED AFTER COMPLETION OF CONSTRUCTION ACTIVITIES.
  - ALL NECESSARY PERMITS AND APPROVALS SHALL BE OBTAINED.
  - PROVIDE SANITARY FACILITIES FOR CONSTRUCTION WORKERS.
- HM-1**
- TO REDUCE THE POTENTIAL FOR ACCIDENTAL RELEASES, FUEL, OIL, AND HYDRAULIC FLUIDS SHALL BE TRANSFERRED DIRECTLY FROM A SERVICE TRUCK TO CONSTRUCTION EQUIPMENT TANKS AND SHALL NOT OTHERWISE BE STORED ON SITE.
- HM-2**
- PERSONNEL SHALL FOLLOW WRITTEN STANDARD OPERATING PROCEDURES (SOPS) FOR FILLING AND SERVICING CONSTRUCTION EQUIPMENT AND VEHICLES. THE SOPS, WHICH ARE DESIGNED TO REDUCE THE POTENTIAL FOR INCIDENTS INVOLVING THE HAZARDOUS MATERIALS, SHALL INCLUDE THE FOLLOWING:
- A. REFUELING SHALL BE CONDUCTED ONLY WITH APPROVED PUMPS, HOSES, AND NOZZLES.
  - B. CATCH PANS SHALL BE PLACED UNDER EQUIPMENT TO CATCH POTENTIAL SPILLS DURING SERVICING.
  - C. ALL DISCONNECTED HOSES SHALL BE PLACED IN CONTAINERS TO COLLECT RESIDUAL FUEL FROM THE HOSE.
  - D. VEHICLE ENGINES SHALL BE SHUT DOWN DURING REFUELING.
  - E. NO SMOKING, OPEN FLAMES, OR WELDING SHALL BE ALLOWED IN REFUELING OR SERVICE AREAS.
  - F. REFUELING SHALL BE PERFORMED AWAY FROM BODIES OF WATER TO PREVENT CONTAMINATION OF WATER IN THE EVENT OF A LEAK OR SPILL.
  - G. SERVICE TRUCKS SHALL BE PROVIDED WITH FIRE EXTINGUISHERS AND SPILL CONTAINMENT EQUIPMENT, SUCH AS ABSORBENTS.
  - H. SHOULD A SPILL CONTAMINATE SOIL, THE SOIL SHALL BE PUT INTO CONTAINERS AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
  - I. ALL CONTAINERS USED TO STORE HAZARDOUS MATERIALS SHALL BE INSPECTED AT LEAST ONCE PER WEEK FOR SIGNS OF LEAKING OR FAILURE. ALL MAINTENANCE AND REFUELING AREAS SHALL BE INSPECTED MONTHLY. RESULTS OF INSPECTIONS SHALL BE RECORDED IN A LOGBOOK THAT WOULD BE MAINTAINED ON SITE; AND
  - J. THE AMOUNT OF HAZARDOUS MATERIALS USED IN PROJECT CONSTRUCTION AND OPERATION SHALL BE CONSISTENTLY KEPT AT THE LOWEST VOLUMES NEEDED.
- HM-3**
- IF SUSPECTED SOIL CONTAMINATION IS ENCOUNTERED DURING EXCAVATION AND GRADING ACTIVITIES, ALL WORK SHALL BE HALTED AND A QUALIFIED INDIVIDUAL, IN CONSULTATION WITH THE SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD (SFBWWQCB), SHALL DETERMINE THE APPROPRIATE COURSE OF ACTION.
- HM-4**
- DURING CONSTRUCTION, STAGING AREAS, WELDING AREAS, OR AREAS SLATED FOR DEVELOPMENT USING SPARK-PRODUCING EQUIPMENT SHALL BE CLEARED OF DRIED VEGETATION OR OTHER MATERIALS THAT COULD SERVE AS FIRE FUEL. TO THE EXTENT FEASIBLE, THE CONTRACTOR SHALL KEEP THESE AREAS CLEAR OF COMBUSTIBLE MATERIALS IN ORDER TO MAINTAIN A FIREBREAK.
- HM-5**
- ANY CONSTRUCTION EQUIPMENT THAT NORMALLY INCLUDES A SPARK ARRESTER SHALL BE EQUIPPED WITH AN ARRESTER IN GOOD WORKING ORDER. THIS INCLUDES, BUT IS NOT LIMITED TO, VEHICLES, HEAVY EQUIPMENT, AND CHAINSAWS.
- N-1**
- CONSTRUCTION ACTIVITIES WITHIN A HALF-MILE OF EXISTING NOISE SENSITIVE LAND USES SHALL BE LIMITED TO DAYTIME HOURS BETWEEN 7:30 AM TO 5:00 PM.
- N-2**
- ENGINE-POWERED CONSTRUCTION EQUIPMENT SHALL BE FITTED WITH ADEQUATE MUFFLERS AND ENCLOSURES AS SUPPLIED BY THE MANUFACTURER, AND SHALL BE MAINTAINED IN GOOD CONDITION.
- N-3**
- ALL POWERED EQUIPMENT WILL COMPLY WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS, AND ALL SUCH EQUIPMENT SHALL BE FITTED WITH ADEQUATE MUFFLERS ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO MINIMIZE CONSTRUCTION NOISE EFFECTS.
- TT-1**
- THE CITY SHALL LIMIT CONSTRUCTION ACTIVITIES TO BETWEEN 7:30 AM AND 5:00 PM, MONDAY THROUGH FRIDAY.
- TT-2**
- THE CITY SHALL IDENTIFY ALL ACCESS AND PARKING RESTRICTIONS, PAVEMENT MARKINGS AND SIGNAGE REQUIREMENTS (E.G., SPEED LIMIT, TEMPORARY LOADING ZONES).
- TT-3**
- ALL ROADS SHALL REMAIN PASSABLE TO EMERGENCY SERVICE VEHICLES.
- TT-4**
- THE CITY SHALL DEVELOP CIRCULATION AND DETOUR PLANS TO MINIMIZE IMPACT TO LOCAL STREET CIRCULATION. THIS MAY INCLUDE THE USE OF SIGNING AND FLAGGING TO GUIDE VEHICLES THROUGH AND/OR AROUND CONSTRUCTION ZONES.

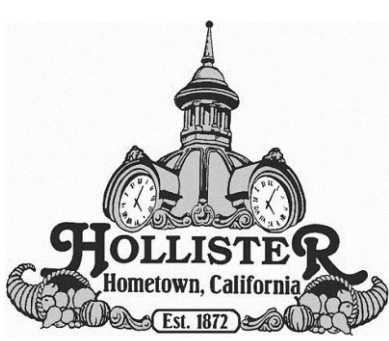
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KHA PROJECT	197008001
DATE	10/11/2019
SCALE	1" = 40'
DESIGNED BY	MJL
DRAWN BY	MS
CHECKED BY	MF

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<b>Kimley-Horn</b>
Engineer: MARK FALGOUT
P.E. No. 63394
Date 10/11/2019



RIVER PARK TRAIL  
PROJECT  
2018/2019

HOLLISTER

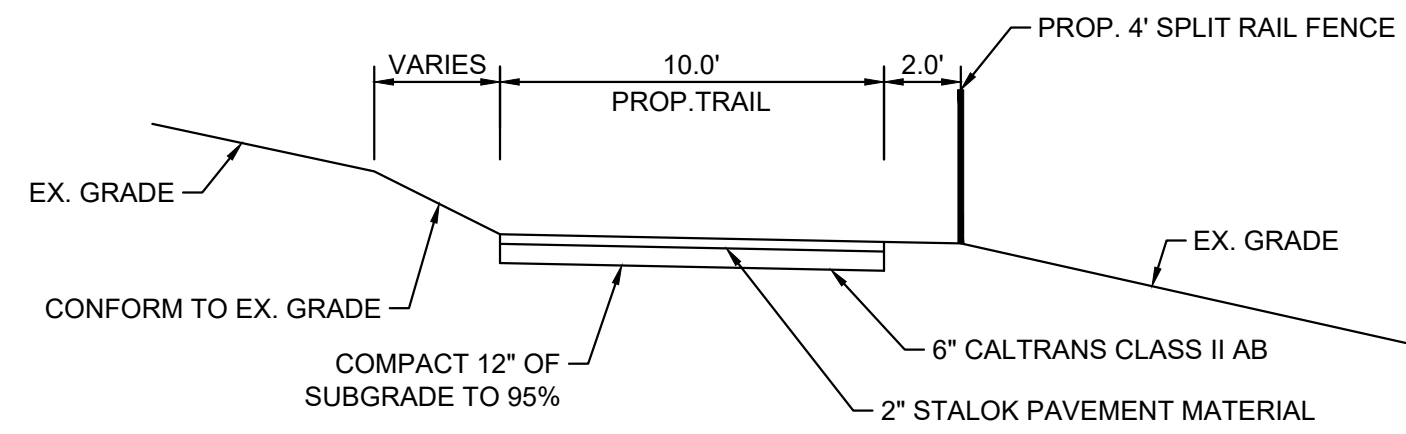
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DRAWING NUMBER
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SHEET NUMBER
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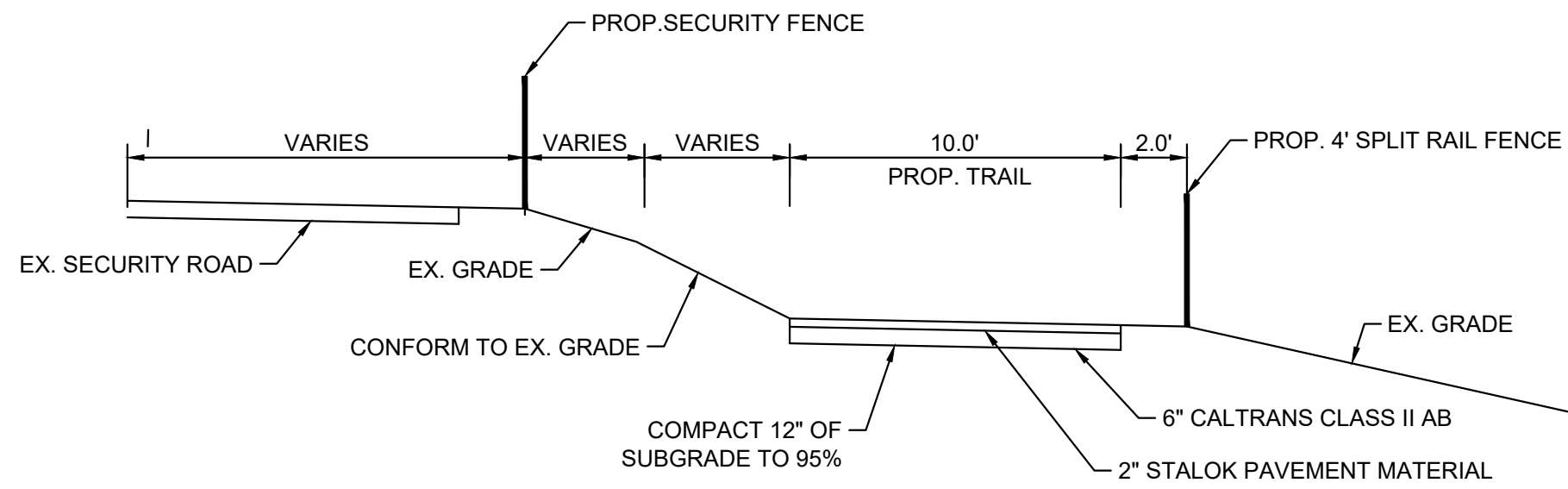
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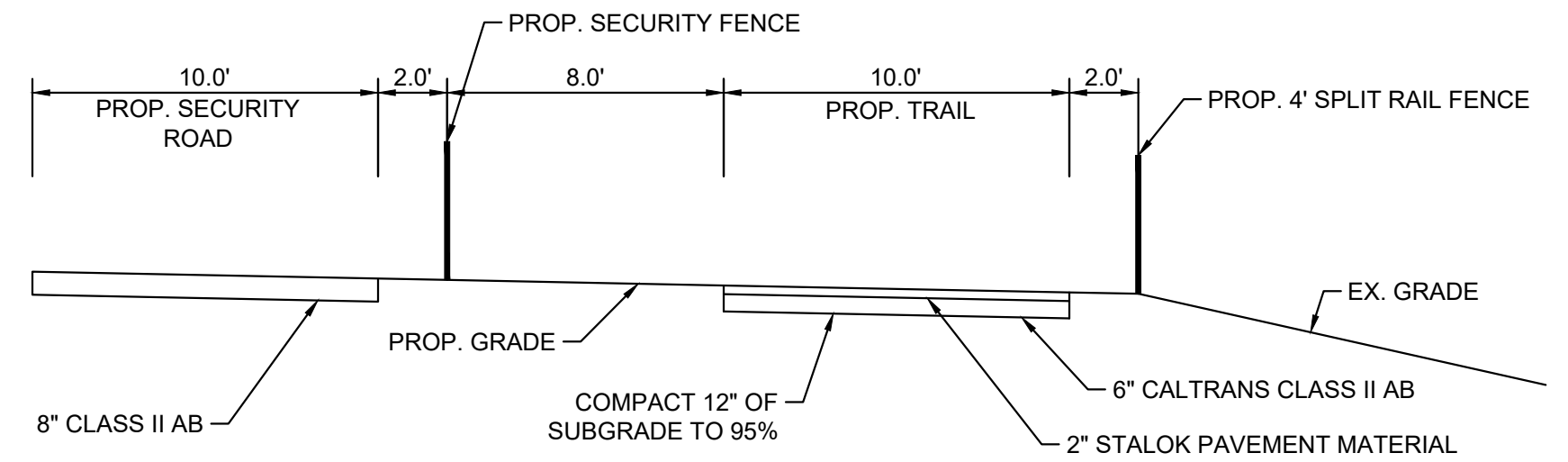
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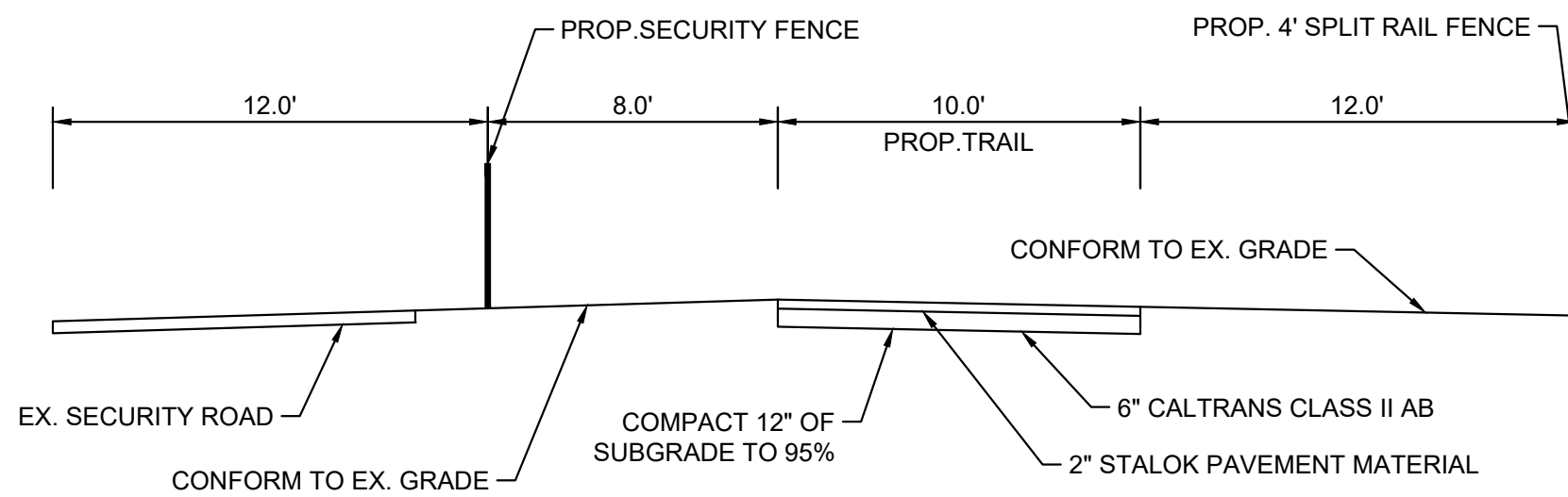
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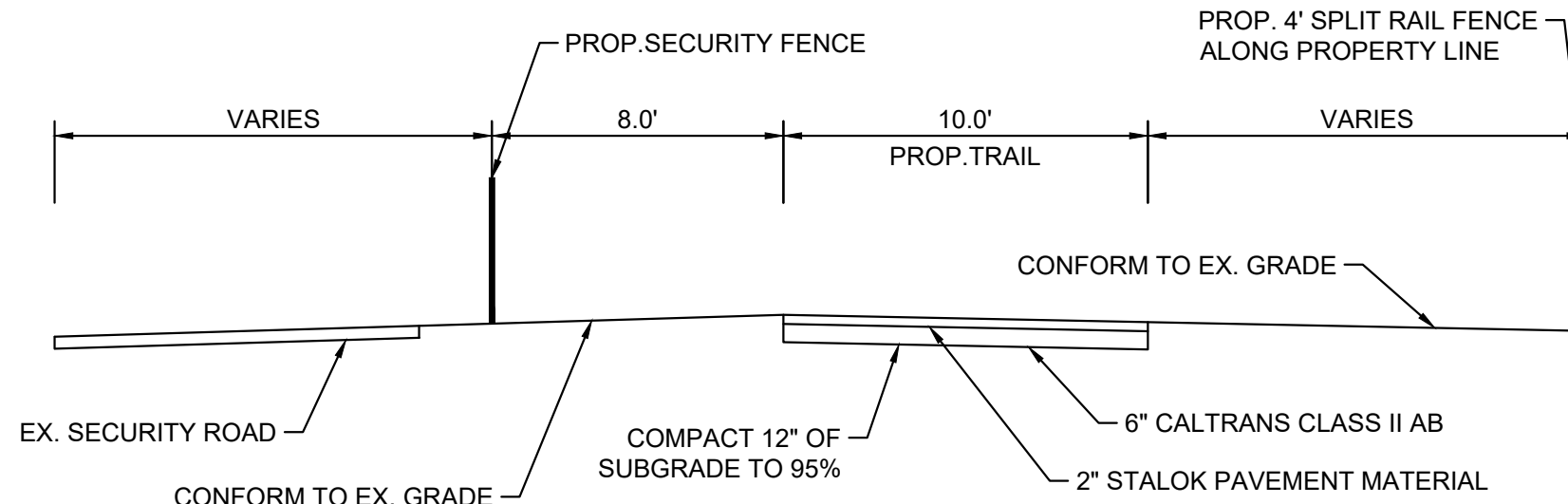
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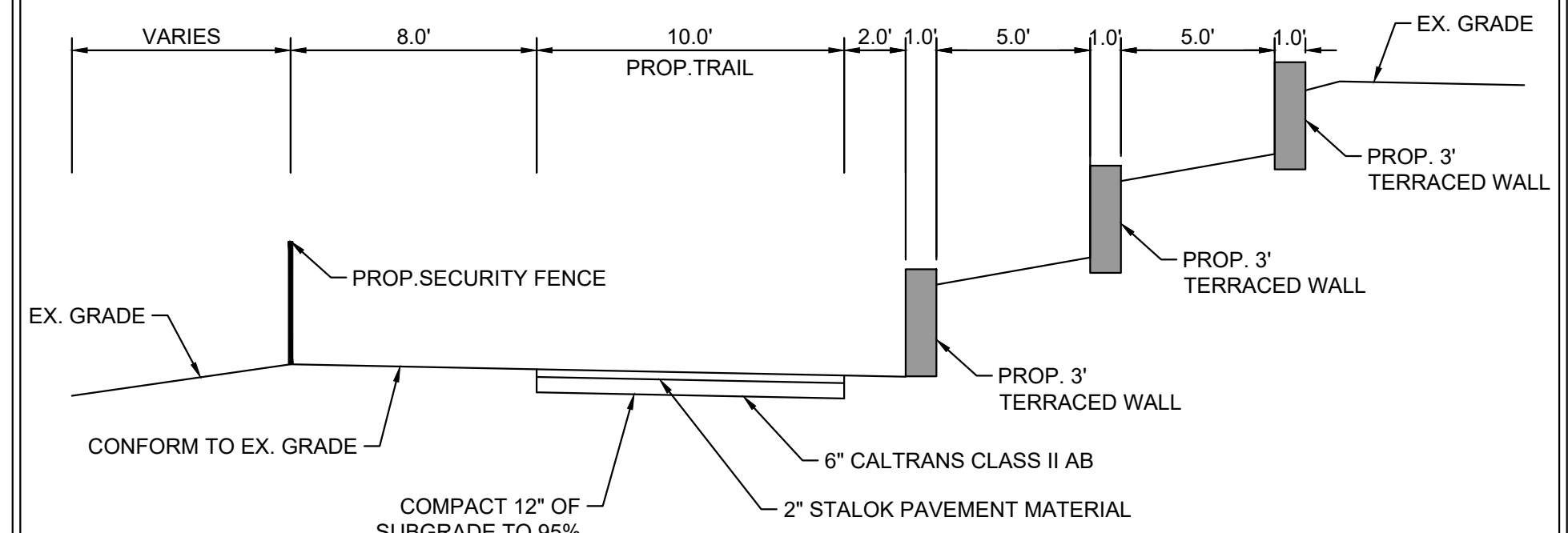
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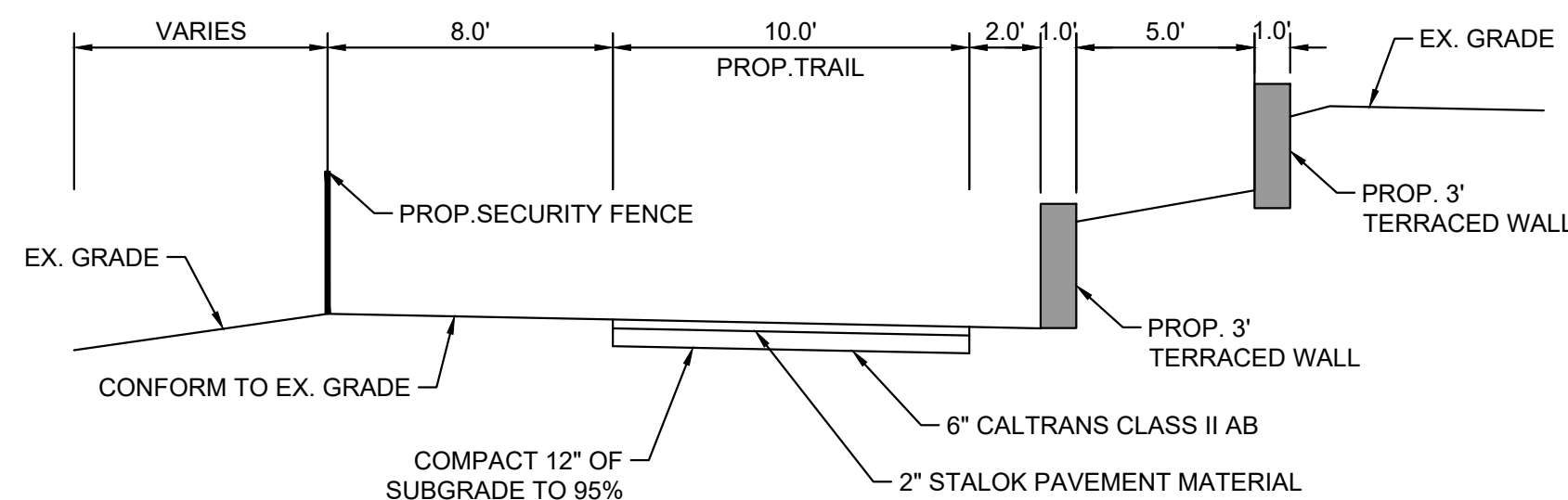
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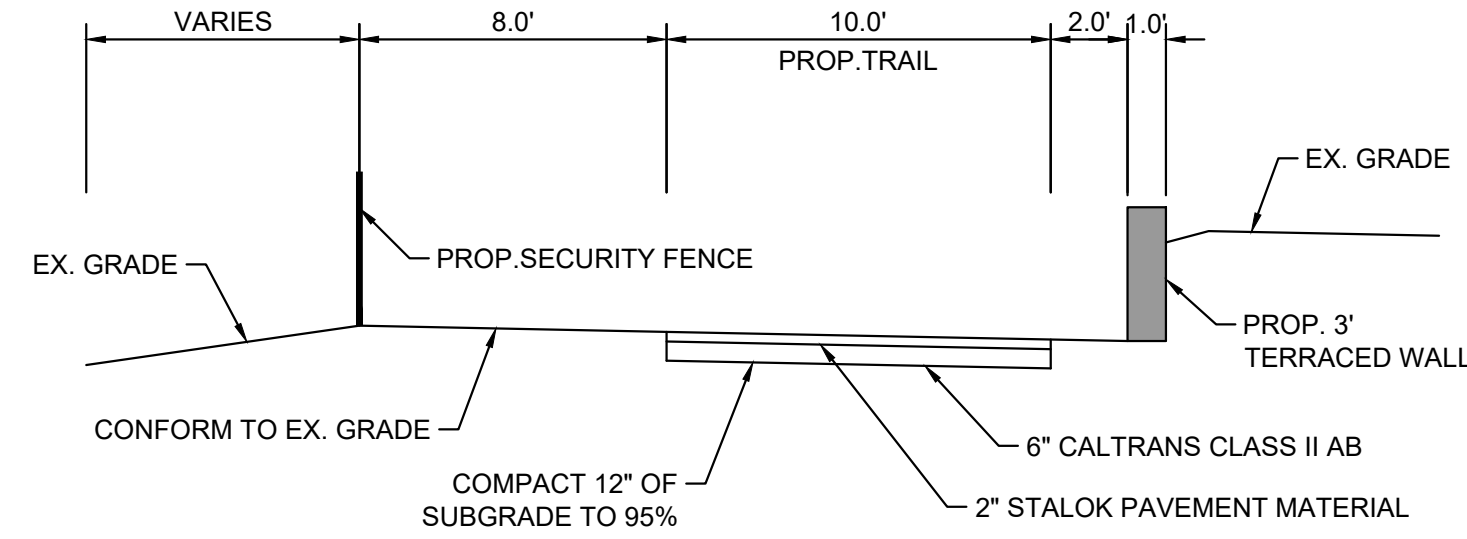
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TYPICAL CROSS SECTION  
STA. 54+00 - 54+50



TYPICAL CROSS SECTION  
STA. 54+50 - 56+00



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STA. 56+00 - 57+91



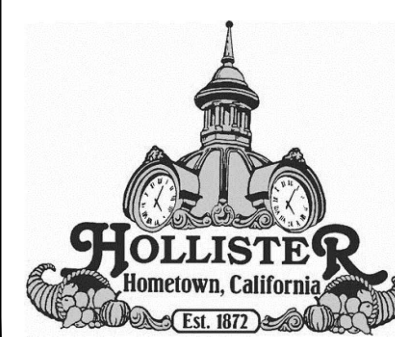
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KHA PROJECT  
197008001  
DATE  
10/11/2019  
SCALE  
1" = 40'  
DESIGNED BY  
MJL  
DRAWN BY  
MS  
CHECKED BY  
MF

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Engineer  
MARK FALGOUT  
P.E. No.  
63394  
Date  
10/11/2019



RIVER PARK TRAIL  
PROJECT  
2018/2019

HOLLISTER

CALIFORNIA

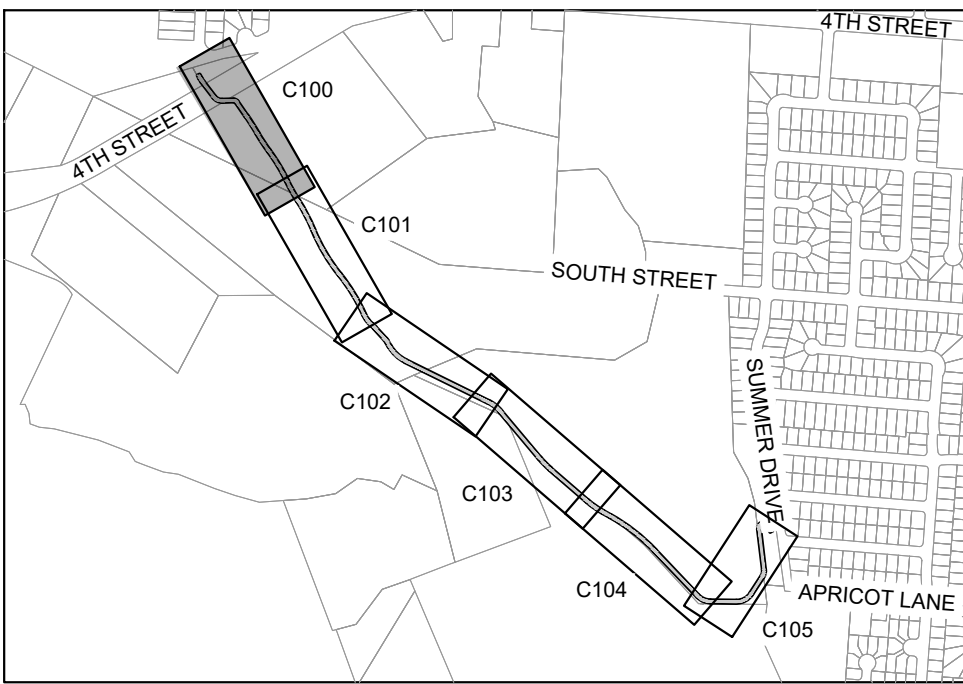
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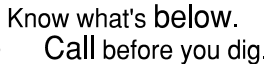
## LEGEND

- 

Profile view of a proposed road grade. The vertical axis shows elevation in feet, ranging from 240 to 268. The horizontal axis represents stationing. The profile includes a proposed grade (solid line) and an existing grade (dashed line). Key vertical curve data points are labeled:

- PVI: 10+00.00 GB EL: 258.52
- PVI: 11+13.00 GB EL: 254.40
- PVI: 12+50.00 GB EL: 253.03
- PVI: 14+50.00 GB EL: 255.05

Grades are indicated as percentages: -3.64%, -1.00%, 1.01%, and 0.18%. A vertical clearance of 9.2' is shown at the bridge location. The existing bottom of the bridge is at elevation 264.87.



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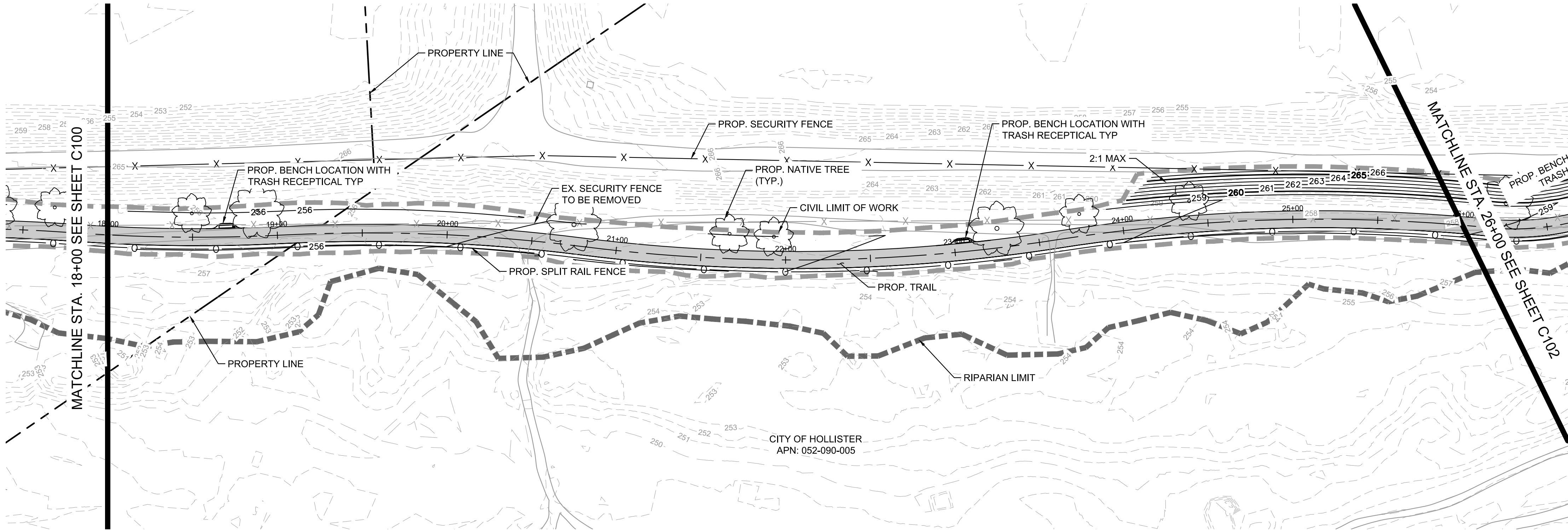
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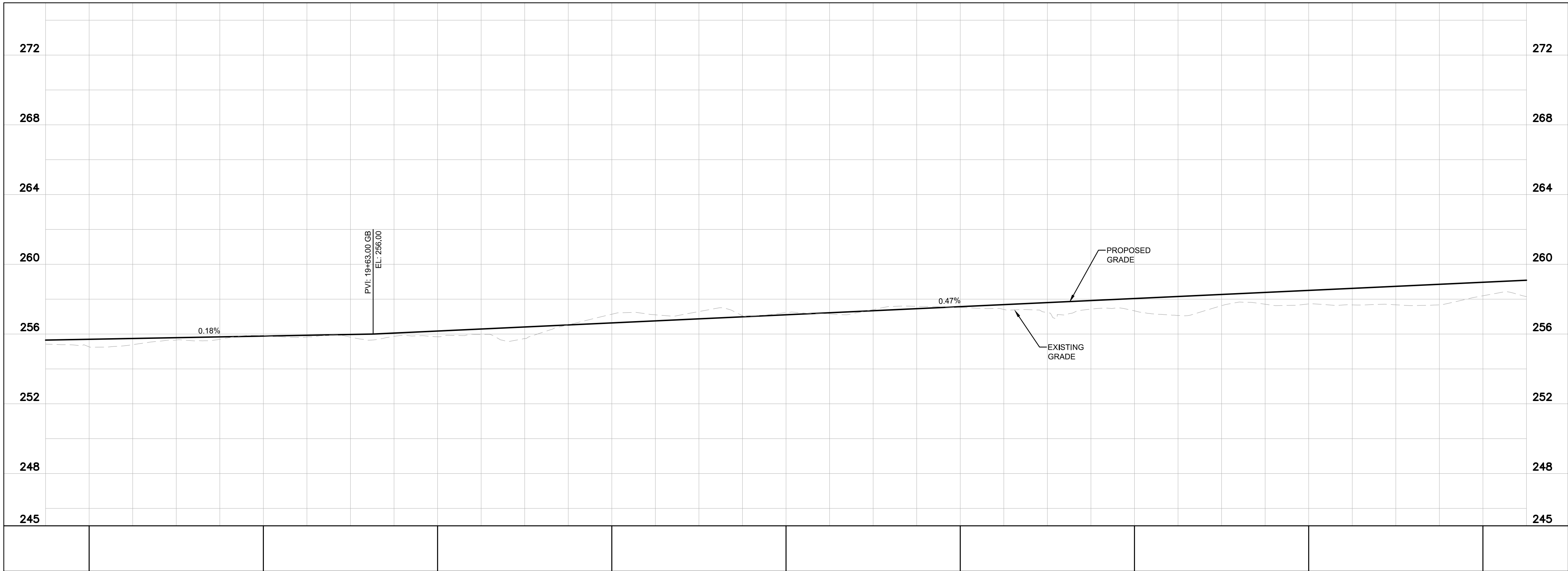
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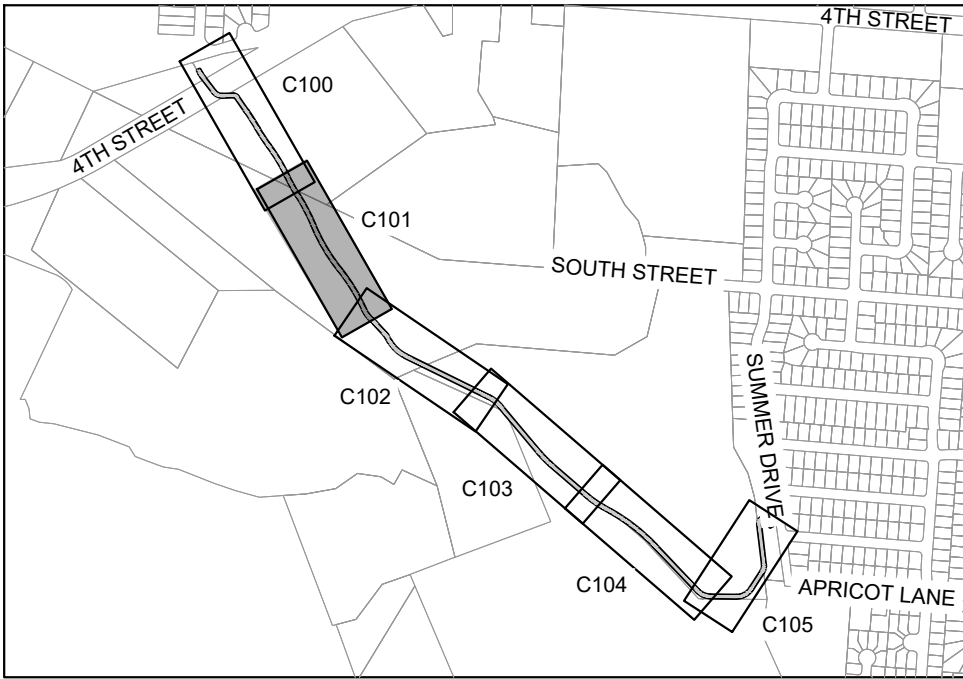
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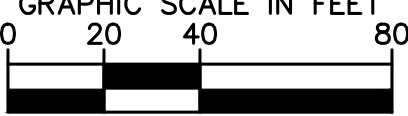
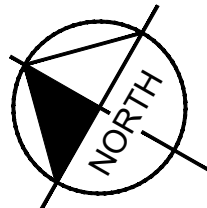
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VERT 1"=10'



KEY MAP  
N.T.S.

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- CENTER LINE
- APPROXIMATE CIVIL LIMIT OF WORK
- RIPARIAN LIMIT
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- EXISTING SECURITY FENCE
- PROPOSED SECURITY FENCE
- PROPOSED SPLIT RAIL FENCE
- PROPOSED TRAIL PAVEMENT (REFER TO SHEET C002)
- PROPOSED PARKING (REFER TO SHEET C200)
- PROPOSED NATIVE TREE



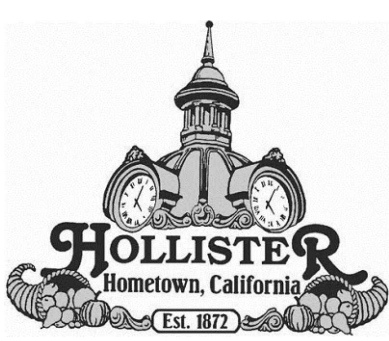
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KHA PROJECT	197008001
DATE	10/11/2019
SCALE	1" = 40'
DESIGNED BY	MJL
DRAWN BY	MS
CHECKED BY	MF

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**Kimley-Horn**  
Engineer: MARK FALGOUT  
P.E. No. 63394  
Date 10/11/2019



RIVER PARK TRAIL  
PROJECT  
2018/2019

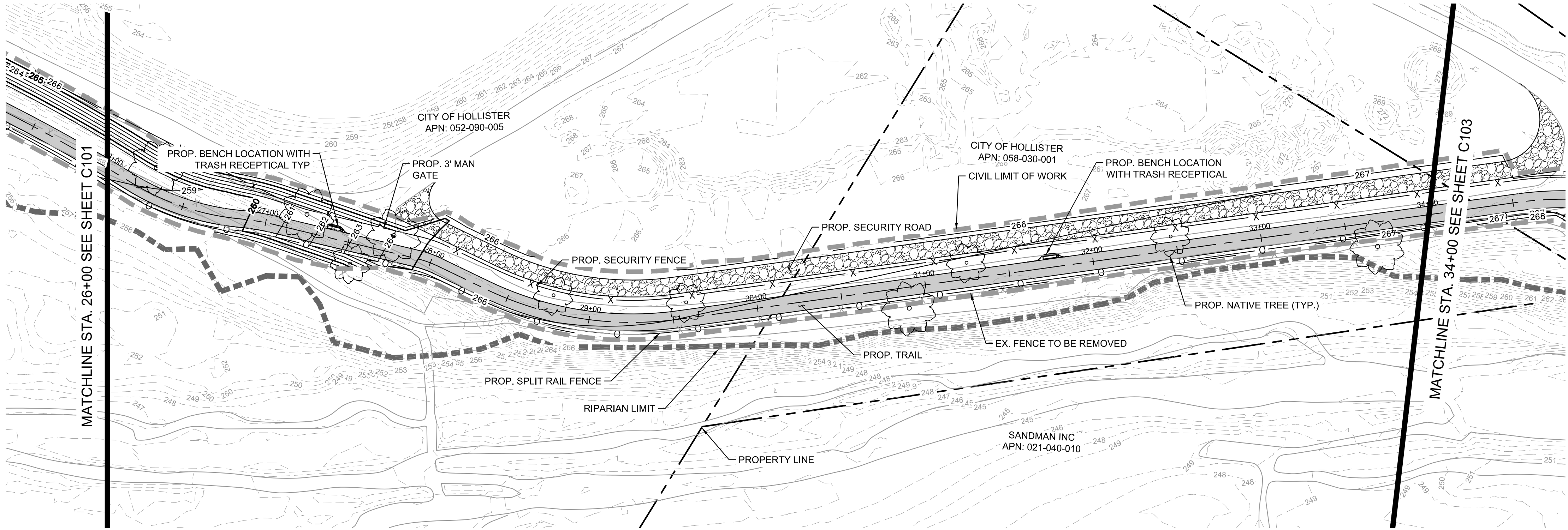
HOLLISTER

CALIFORNIA

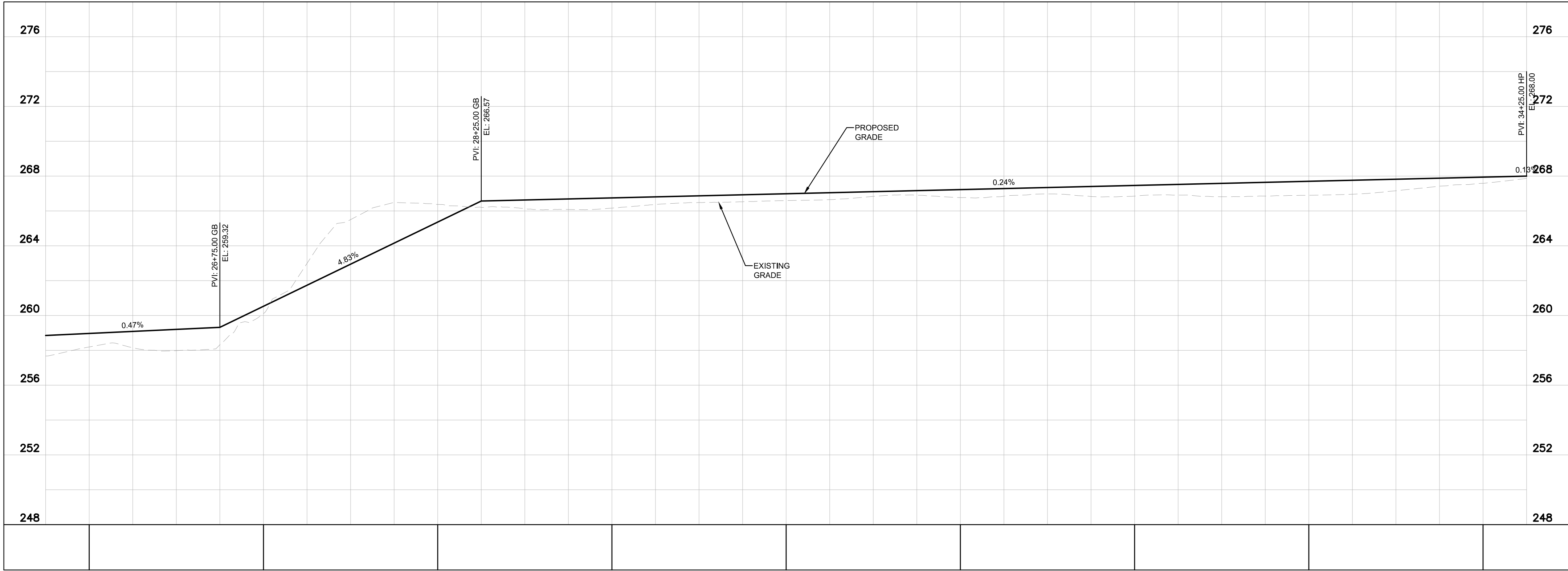
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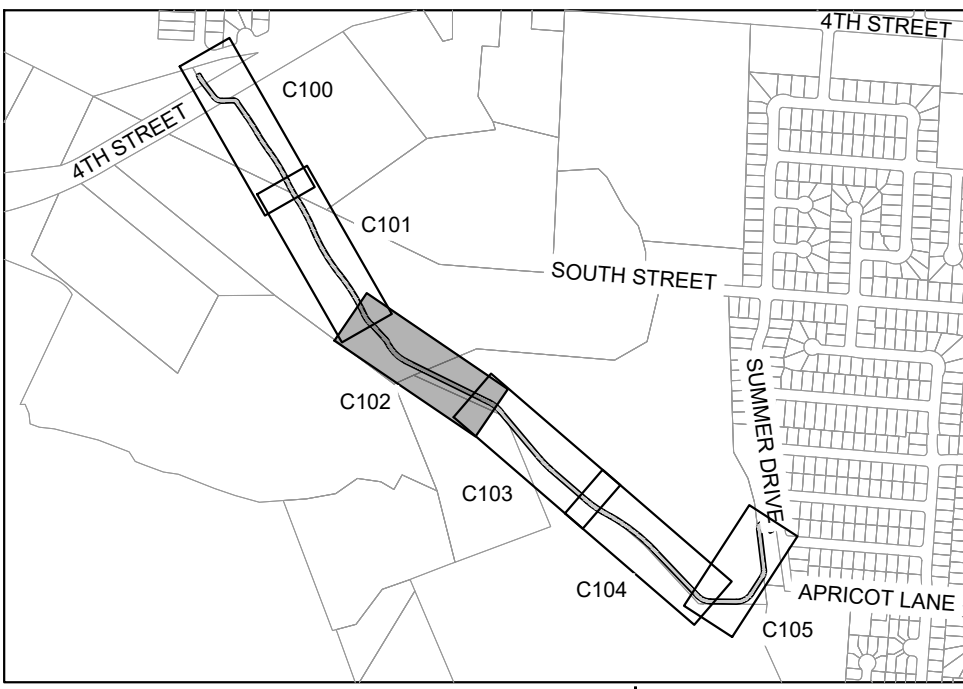
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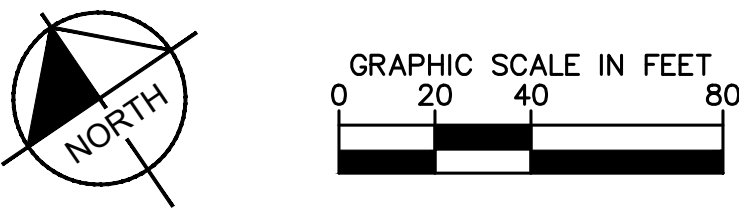
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VERT 1"=10'



KEY MAP  
N.T.S.  
NORTH

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- CENTER LINE
- APPROXIMATE CIVIL LIMIT OF WORK
- RIPARIAN LIMIT
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- EXISTING SECURITY FENCE
- PROPOSED SECURITY FENCE
- PROPOSED SPLIT RAIL FENCE
- PROPOSED TRAIL PAVEMENT (REFER TO SHEET C002)
- PROPOSED PARKING (REFER TO SHEET C200)
- SECURITY ROAD
- PROPOSED NATIVE TREE



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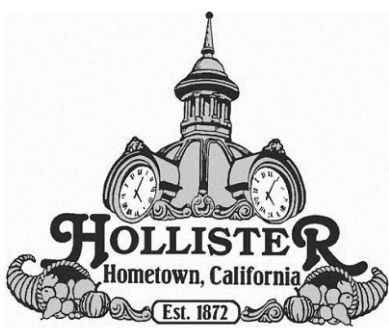
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KHA PROJECT 197008001
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SCALE 1" = 40'
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**Kimley»Horn**

Engineer MARK FALGOUT  
P.E. No. 63394  
Date 10/11/2019



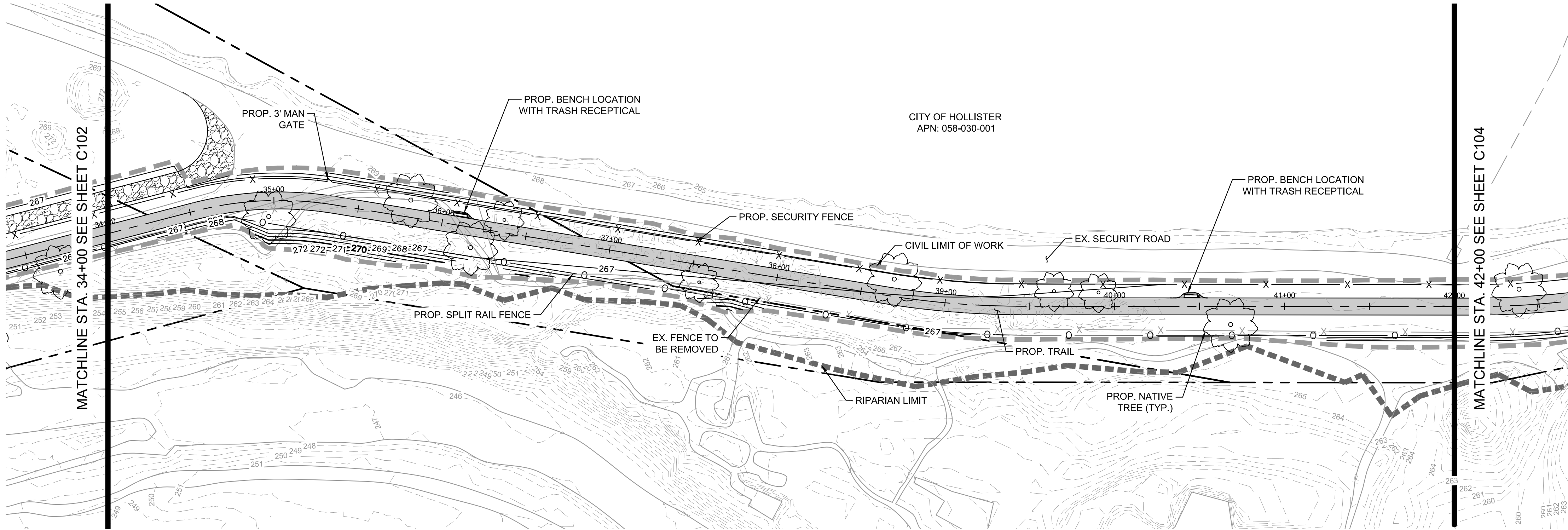
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PROJECT  
2018/2019

HOLLISTER CALIFORNIA

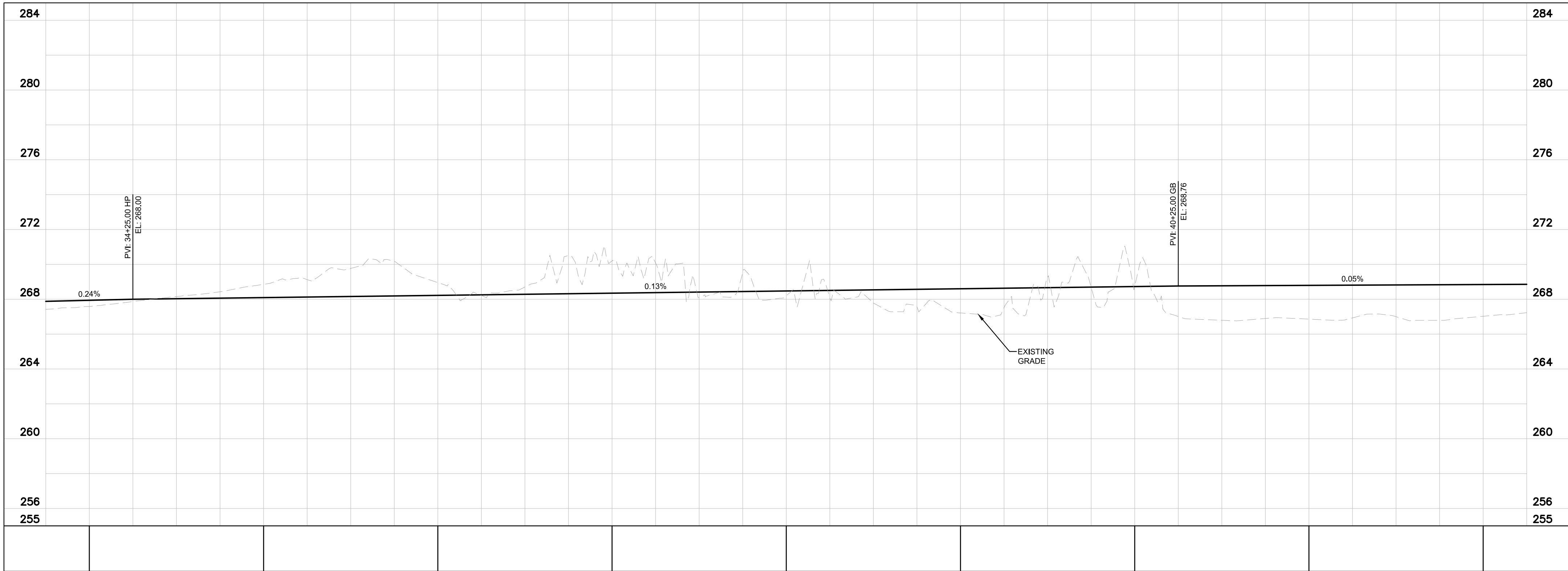
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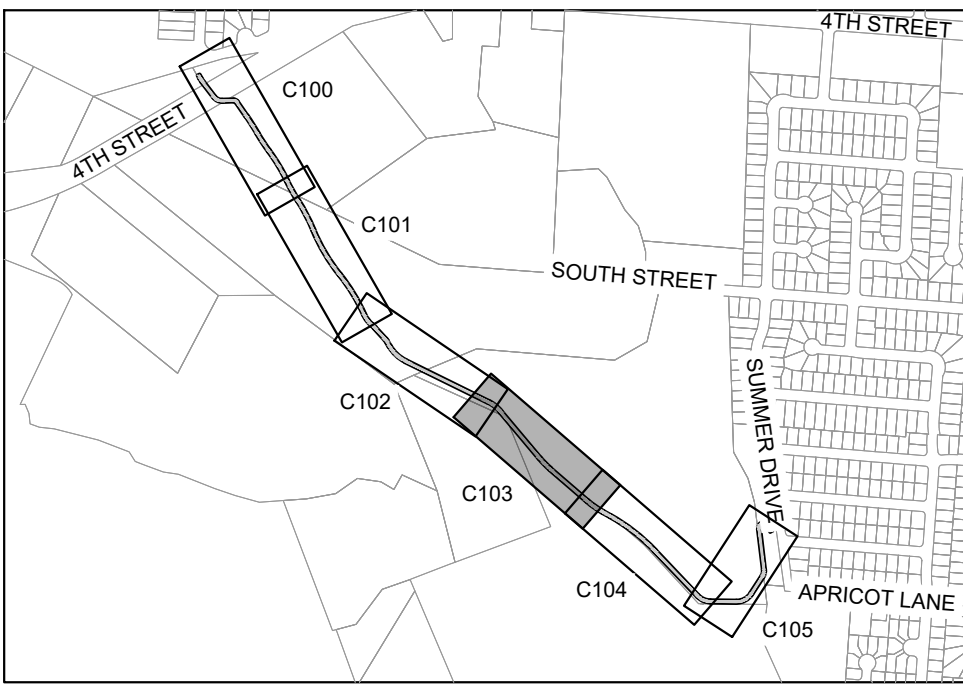
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RIVER TRAIL



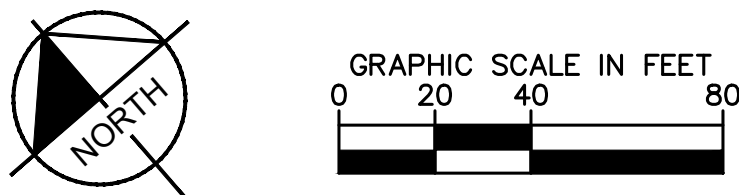
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KEY MAP  
N.T.S.  
NORTH

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- CENTER LINE
- APPROXIMATE CIVIL LIMIT OF WORK
- RIPARIAN LIMIT
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- EXISTING SECURITY FENCE
- PROPOSED SECURITY FENCE
- PROPOSED SPLIT RAIL FENCE
- PROPOSED TRAIL PAVEMENT (REFER TO SHEET C002)
- PROPOSED PARKING (REFER TO SHEET C200)
- SECURITY ROAD
- PROPOSED NATIVE TREE



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KHA PROJECT  
197008001  
DATE  
10/11/2019  
SCALE  
1" = 40'  
DESIGNED BY  
MJL  
DRAWN BY  
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Engineer  
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P.E. No.  
63394  
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10/11/2019



RIVER PARK TRAIL  
PROJECT  
2018/2019

HOLLISTER

CALIFORNIA

PLAN AND PROFILE  
STATION 34+00 TO 42+00

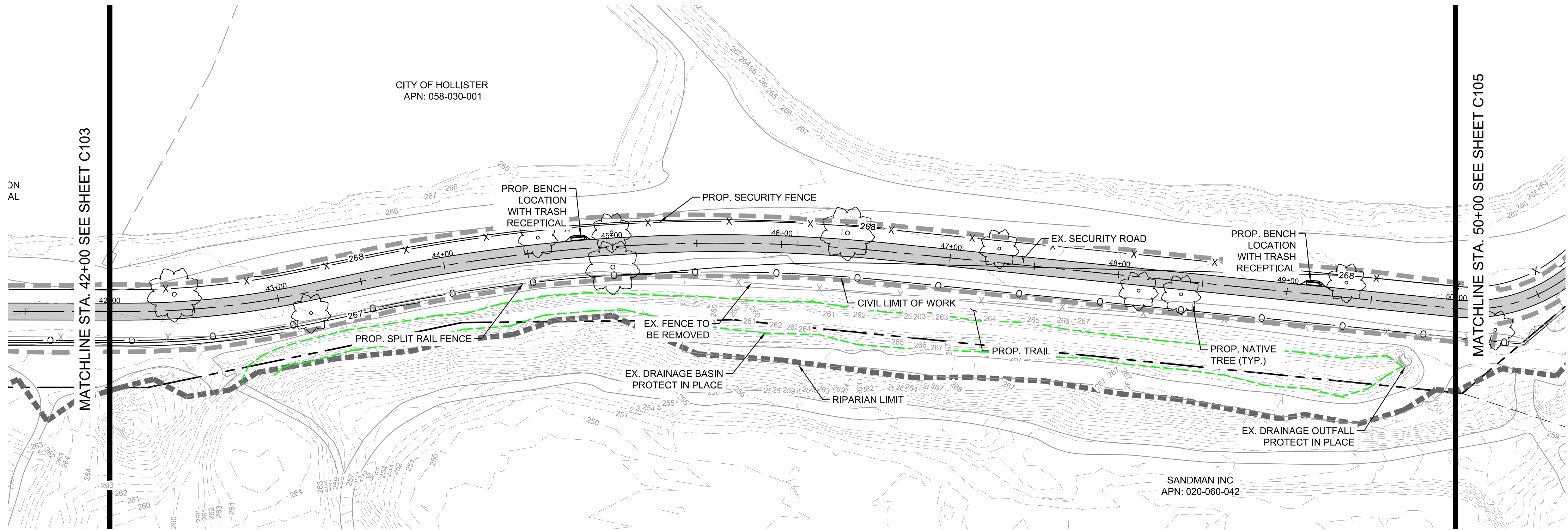
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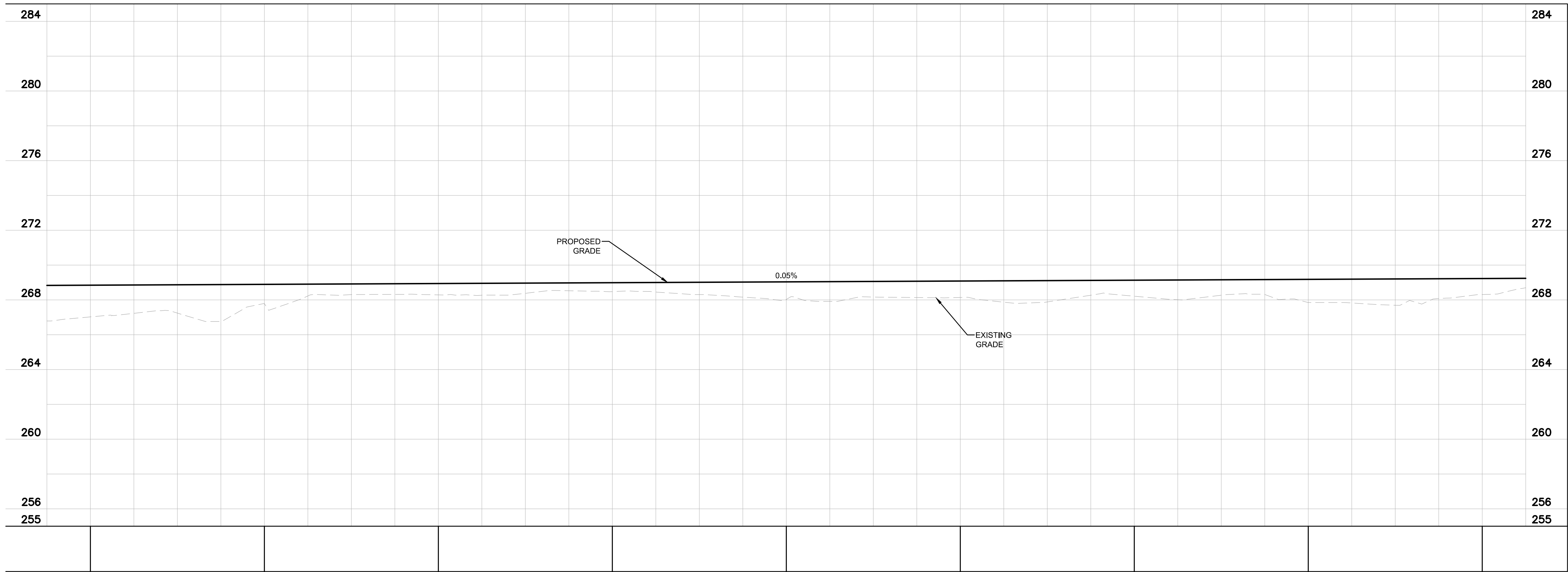
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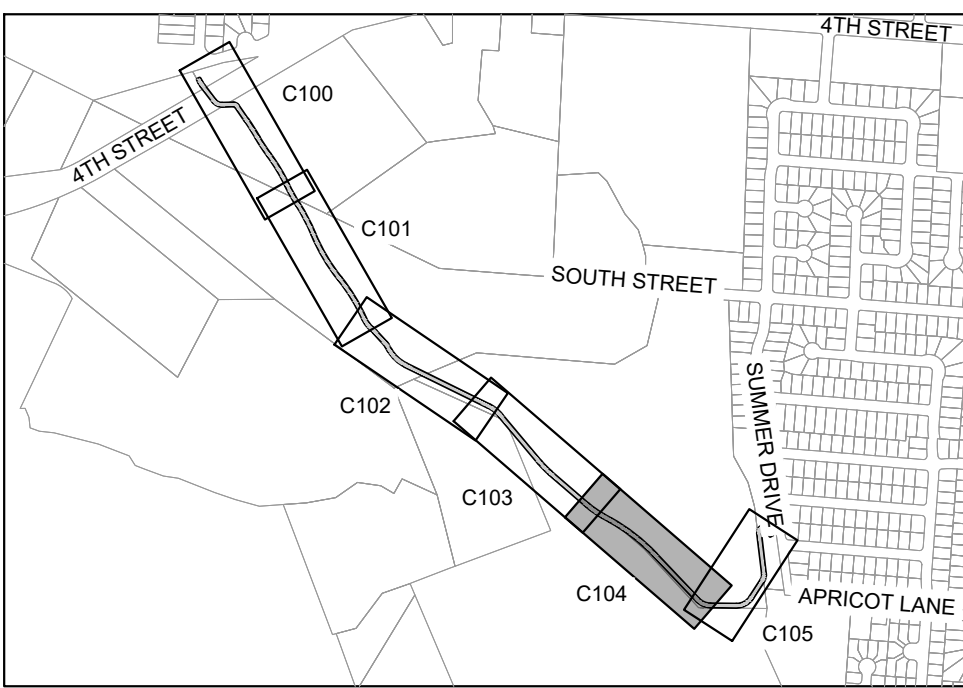
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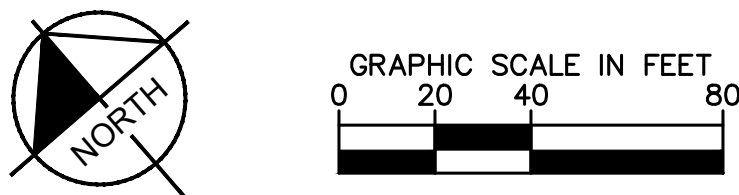


HOR: 1"=40'  
VERT 1"=10'



LEGEND

- PROPERTY LINE
- - - EASEMENT LINE
- CENTER LINE
- - - APPROXIMATE CIVIL LIMIT OF WORK
- RIPARIAN LIMIT
- 255 EXISTING CONTOUR LINE
- 255 PROPOSED CONTOUR LINE
- X- EXISTING SECURITY FENCE
- X- PROPOSED SECURITY FENCE
- O- PROPOSED SPLIT RAIL FENCE
- [Solid Gray Box] PROPOSED TRAIL PAVEMENT (REFER TO SHEET C002)
- [Hatched Box] PROPOSED PARKING (REFER TO SHEET C200)
- [Tree Symbol] PROPOSED NATIVE TREE

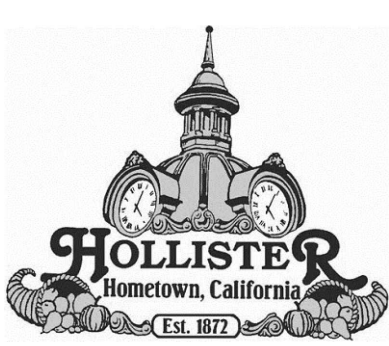


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KHA PROJECT 197008001	DATE 10/11/2019
SCALE 1" = 40'	DESIGNED BY MJL
DRAWN BY MS	CHECKED BY MF

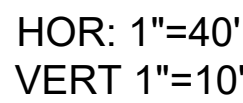


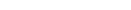
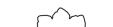
RIVER PARK TRAIL  
PROJECT  
2018/2019

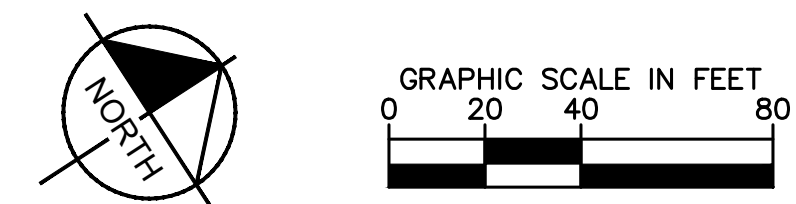
HOLLISTER CALIFORNIA

PLAN AND PROFILE  
STATION 42+00 TO 50+00

DRAWING NUMBER <b>C104</b>
SHEET NUMBER <b>11 OF 17</b>



	PROPERTY LINE
	EASEMENT LINE
	CENTER LINE
	APPROXIMATE CIVIL LIMIT OF WORK
	RIPARIAN LIMIT
	EXISTING CONTOUR LINE
	PROPOSED CONTOUR LINE
	EXISTING SECURITY FENCE
	PROPOSED SECURITY FENCE
	PROPOSED SPLIT RAIL FENCE
	PROPOSED TRAIL PAVEMENT (REFER TO SHEET C002)
	PROPOSED PARKING (REFER TO SHEET C200)
	PROPOSED NATIVE TREE



**Kimley»»Horn**

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A rectangular stamp with a black border. At the top, the word "PRELIMINARY" is written in a large, bold, sans-serif font. Below it, in a smaller font, is the text "FOR REVIEW ONLY NOT FOR CONSTRUCTION OR PERMIT PURPOSES." The company name "Kimley-Horn" is prominently displayed in the center in a large, bold, serif font. Below the company name, the word "Engineer" is followed by a horizontal line and the name "MARK FALGOUT". Below that, "P.E. No." is followed by a horizontal line and the number "63394". At the bottom, "Date" is followed by a horizontal line and the date "10/11/2019".



# PLAN AND PROFILE STATION 50+00 TO 57+91

DRAWING NUMBER
C105
SHEET NUMBER
12 OF 17

Plotted By: Lissak, Matt Sheet Set: Google Maps Layout: PARKING LOT SITE PLAN October 11, 2019 12:32:33pm K:\BAY LDEV\197008001 - Hollister River Park Trail - MAP\08 CAD\Plan Sheets\C200 SITE PLAN.dwg  
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KHA PROJECT 197008001
DATE 10/11/2019
SCALE 1" = 40'
DESIGNED BY MJL
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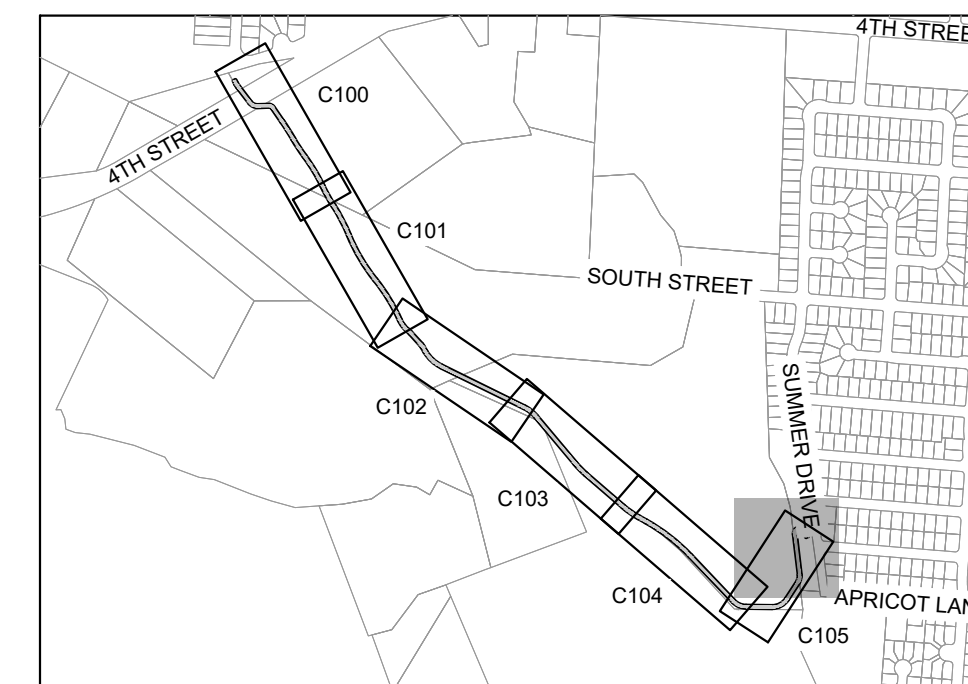
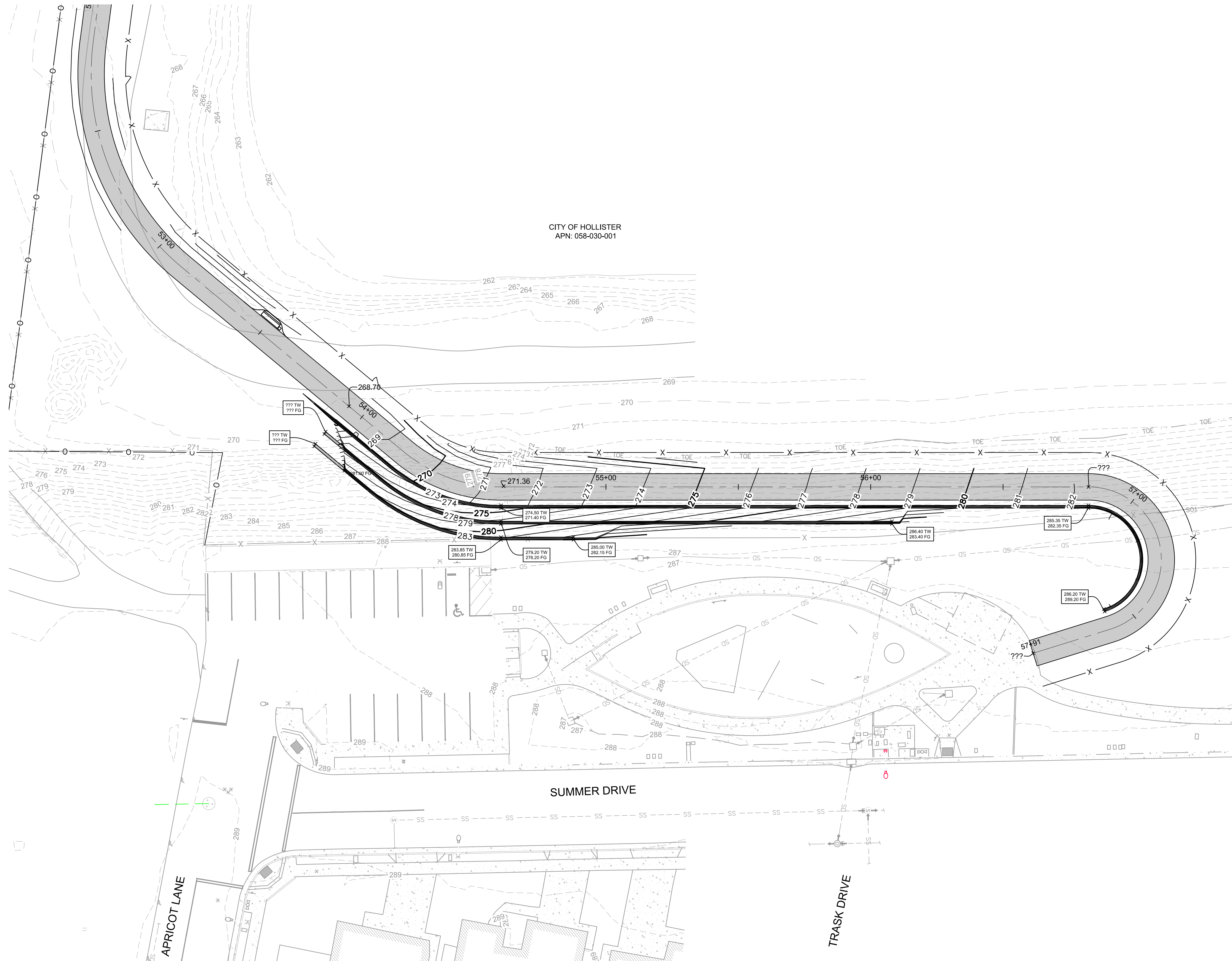
Kimley»Horn  
Engineer MARK FALGOUT  
P.E. No. 63394  
Date 10/11/2019

RIVER PARK TRAIL  
PROJECT  
2018/2019

HOLLISTERCALIFORNIA

PARKING LOT SITE PLAN












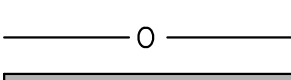
DRAWING NUMBER C200
SHEET NUMBER 13 OF 17



KEY MAP  
N.T.S

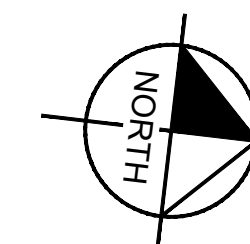


### LEGEND

- |   |   |
|---|---|
|  | PROPERTY LINE                                       |
|  | EASEMENT LINE                                       |
|  | CENTER LINE   |
|  | CIVIL LIMIT OF WORK                                 |
|  | EXISTING CONTOUR LINE                               |
|  | EXISTING STORM DRAIN LINE                           |
|  | EXISTING OVERHEAD LINE                              |
|  | PROPOSED CONTOUR LINE                               |
|  | EXISTING SECURITY FENCE                             |
|  | PROPOSED SECURITY FENCE                             |
|  | PROPOSED SPLIT RAIL FENCE                           |
|  | PROPOSED STANDARD DUTY ASPHALT<br>CONCRETE PAVEMENT |



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GRAPHIC SCALE IN FEET

0 10 20 40

A horizontal scale bar with alternating black and white segments. The segments are labeled 0, 10, 20, and 40, representing feet. The bar is divided into four equal segments, each representing 10 feet. The first segment (0-10) is white, the second (10-20) is black, the third (20-30) is white, and the fourth (30-40) is black.

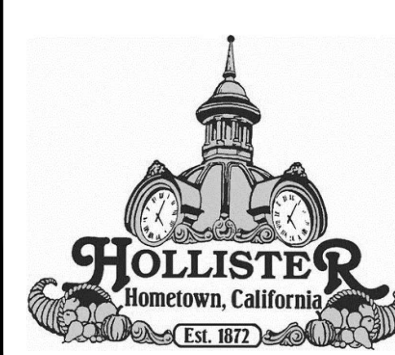
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KHA PROJECT 197008001	
DATE 10/11/2019	
SCALE	1" = 40'
DESIGNED BY	MJL
DRAWN BY	MS
CHECKED BY	MF

A rectangular stamp with a black border. At the top, the word "PRELIMINARY" is written in a bold, sans-serif font. Below it, the text "FOR REVIEW ONLY NOT FOR CONSTRUCTION OR PERMIT PURPOSES." is written in a smaller, all-caps, sans-serif font. In the center, the company name "Kimley-Horn" is displayed, with "Kimley" in a large, bold, serif font and "Horn" in a large, bold, sans-serif font, separated by a stylized double arrow symbol. Below the company name, the word "Engineer" is followed by a horizontal line and the name "MARK FALGOUT". Below that, "P.E. No." is followed by a horizontal line and the number "63394". At the bottom, "Date" is followed by a horizontal line and the date "10/11/2019".



# RIVER PARK TRAIL PROJECT 2018/2019

HOLLISTER

CALIFORNIA

## TRAIL END SITE PLAN

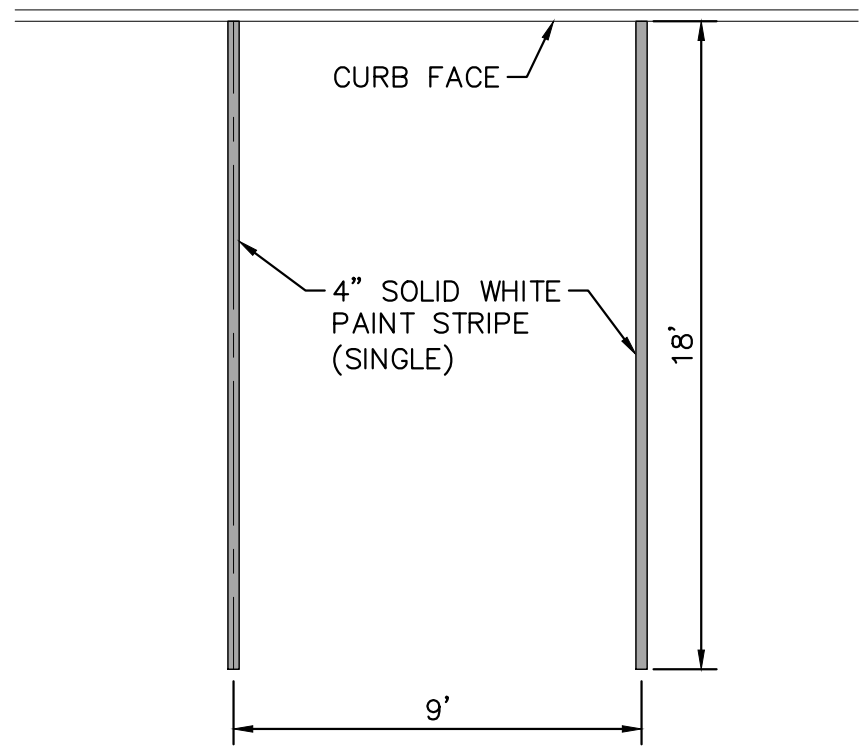
DRAWING NUMBER
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C201

SHEET NUMBER

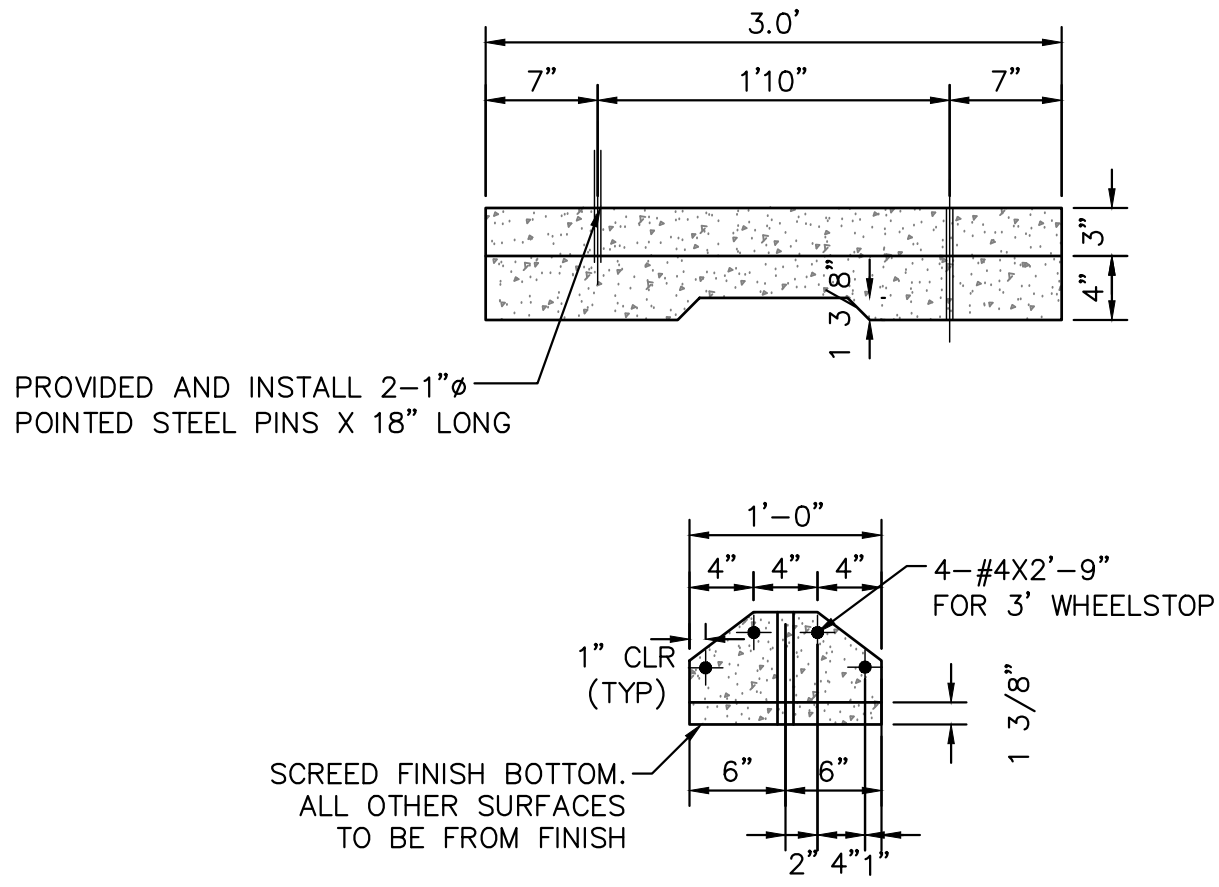
14 OF 17

Printed By: Isak, Matt Sheet Set: Google Manila Layout: CIVIL DETAILS October 11, 2019 12:32:43pm K:\BAY\_LDE\197008001 - Hollister River Park Trail - MAF\08 CAD\Draw Sheets\C300 CIVIL DETAILS.dwg This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



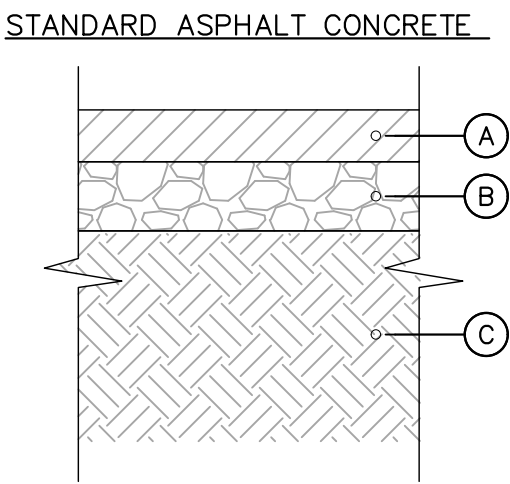
STANDARD 90° PARKING STALL STRIPING  
N.T.S.

1



TYPICAL 3' PRECAST CONCRETE WHEEL STOP  
N.T.S.

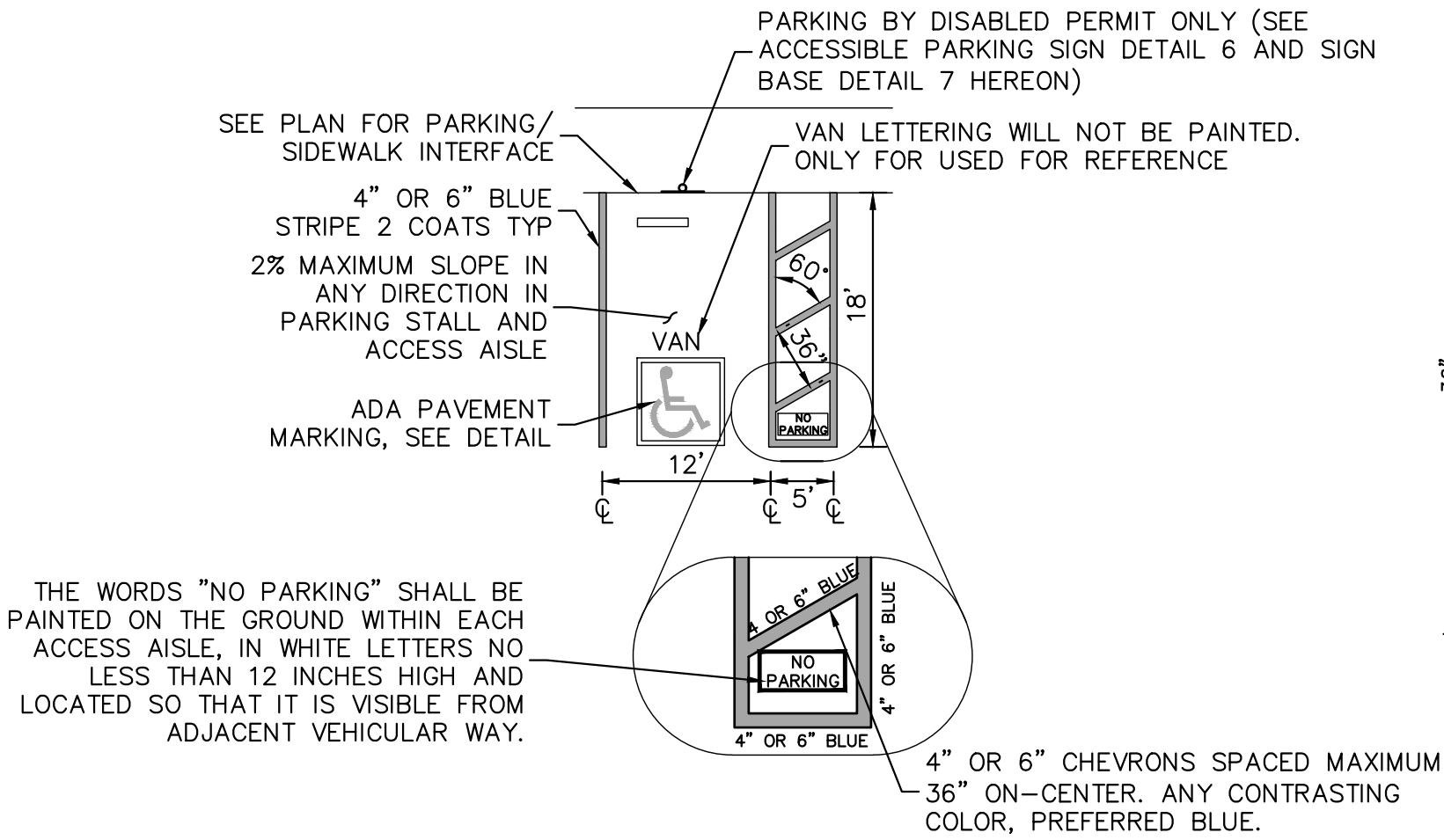
2



- (A) 3" ASPHALT CONCRETE PAVEMENT. SPPWC GREENBOOK MIX DESIGN PER SECTION 203, C2 - PG 64-10.
- (B) 8" SECTION 26, CLASS 2 AGGREGATE BASE (R-VALUE OF AT LEAST 78) COMPACTED TO 95% OF THE MATERIAL'S ASTM D-1557 MAXIMUM DRY DENSITY.
- (C) 12" SUBGRADE SCARIFIED AND RECOMPACTED TO 95% MAXIMUM DRY DENSITY BASED ON ASTM D1557-07 TEST METHOD

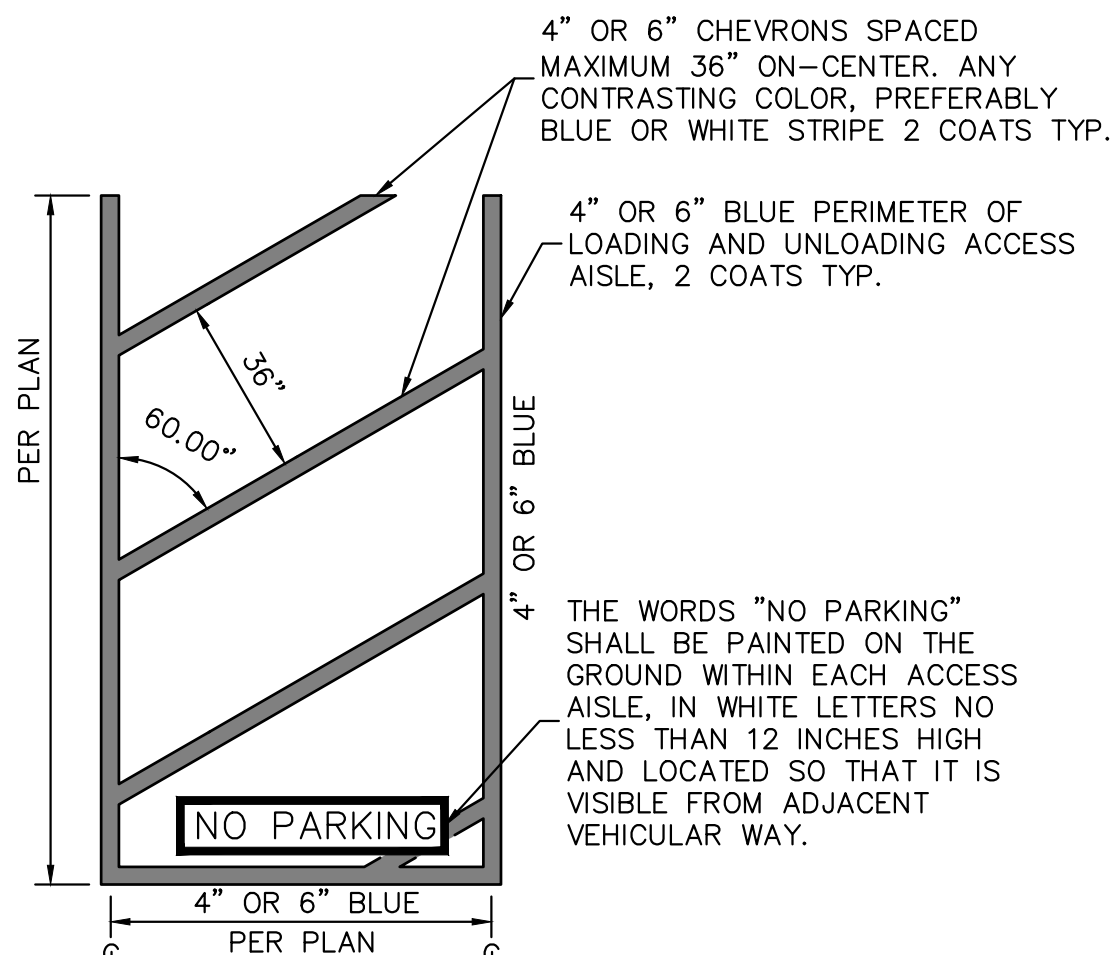
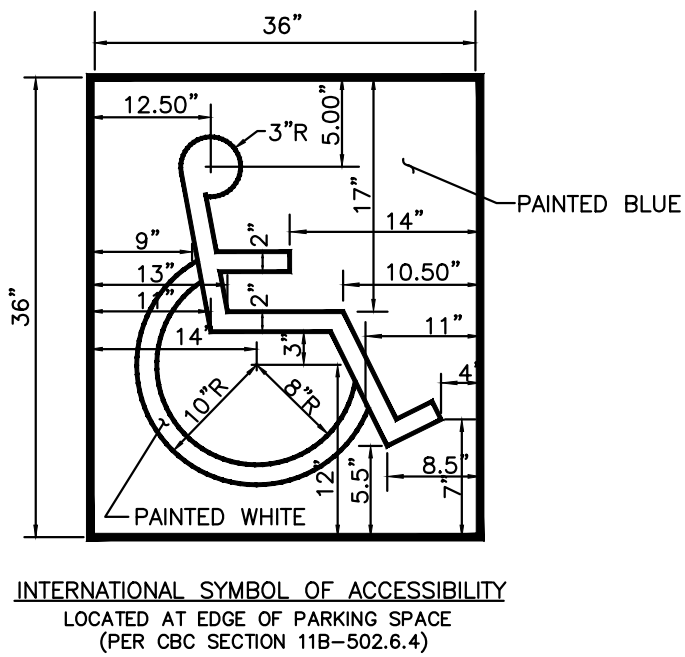
PAVEMENT SECTIONS  
N.T.S.

3



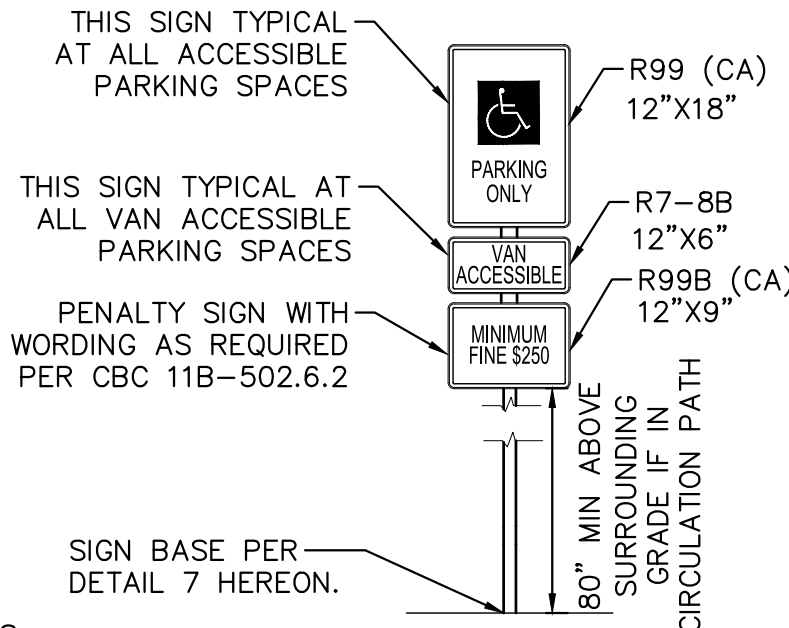
ACCESSIBLE PARKING STRIPING  
N.T.S.

4



LOADING ZONE STRIPING  
N.T.S.

5

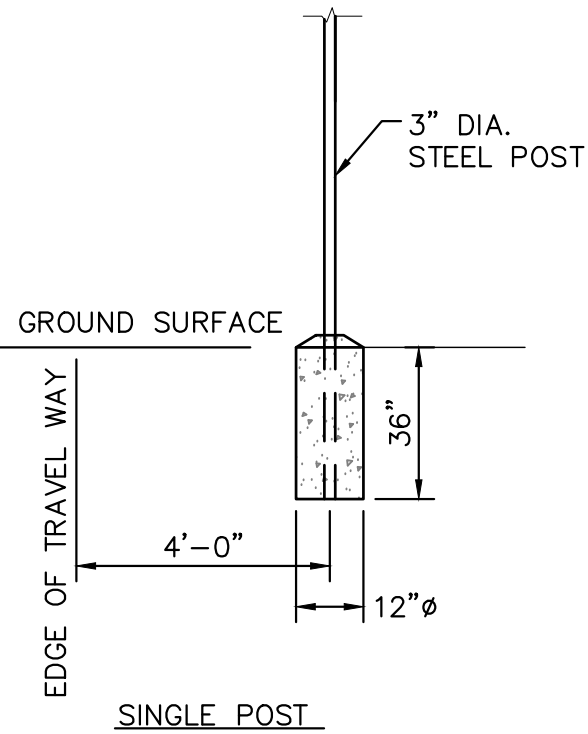


NOTES:

- SIGNS SHALL CONFORM WITH THE MOST CURRENT CALIFORNIA BUILDING CODE STANDARDS.
- SIGNS SHALL BE MOUNTED ON A POST PER DETAIL 7 HEREON.

ACCESSIBLE PARKING SIGN DETAIL  
N.T.S.

6



SIGN BASE DETAIL  
N.T.S.

7



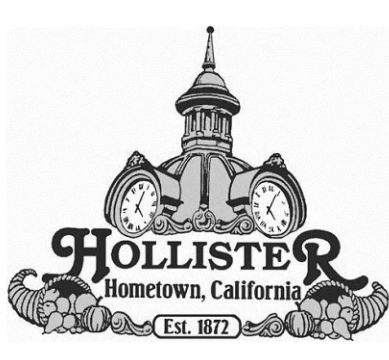
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KHA PROJECT  
197008001  
DATE  
10/11/2019  
SCALE  
1" = 40'  
DESIGNED BY  
MJL  
DRAWN BY  
MS  
CHECKED BY  
MF

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Engineer  
MARK FALGOUT  
P.E. No.  
63394  
Date  
10/11/2019



RIVER PARK TRAIL  
PROJECT  
2018/2019

HOLLISTER

CALIFORNIA

CIVIL DETIALS

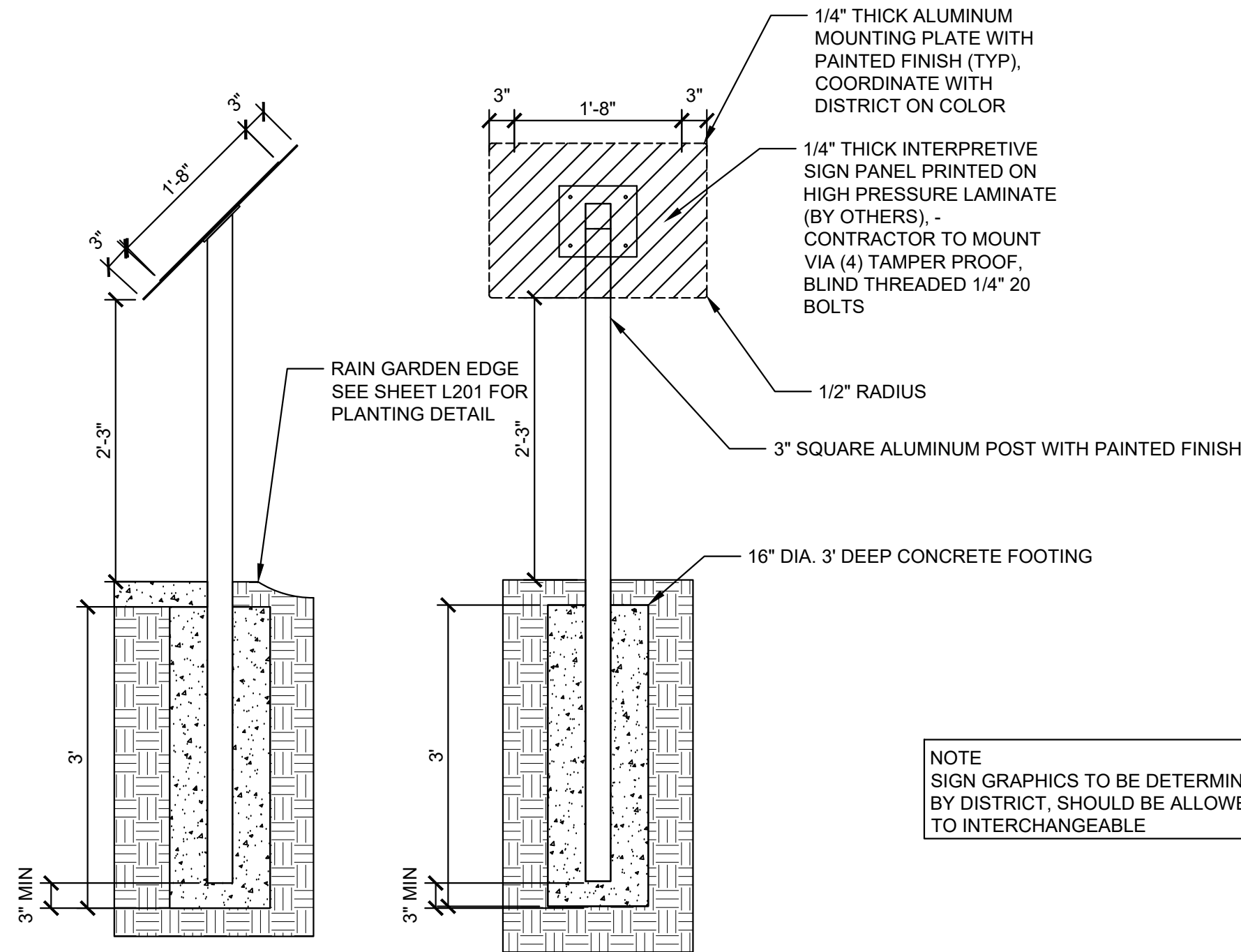
DRAWING NUMBER

C300

SHEET NUMBER

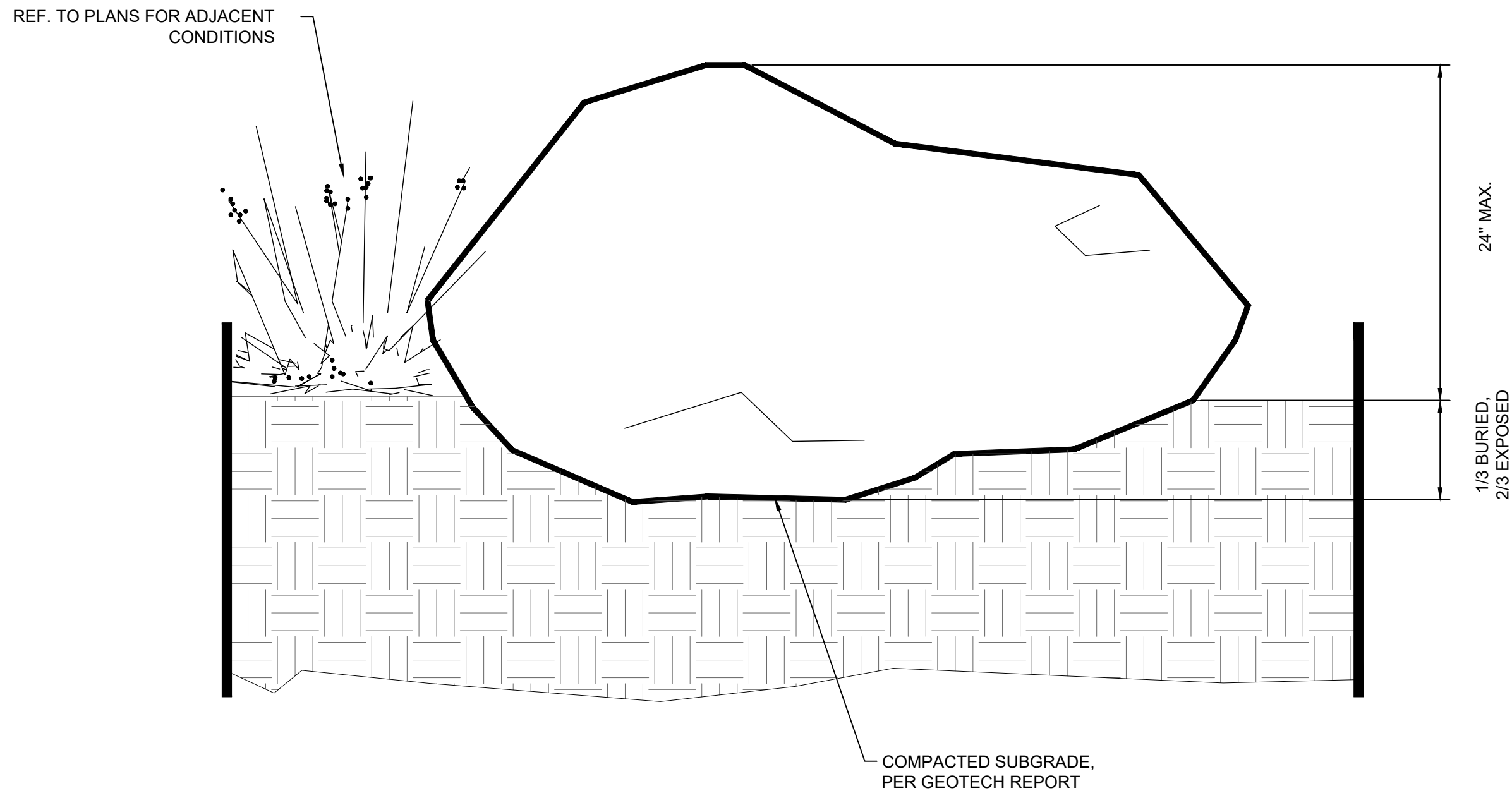
15 OF 17

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INTERPRETATIVE SIGN DETAIL  
N.T.S.

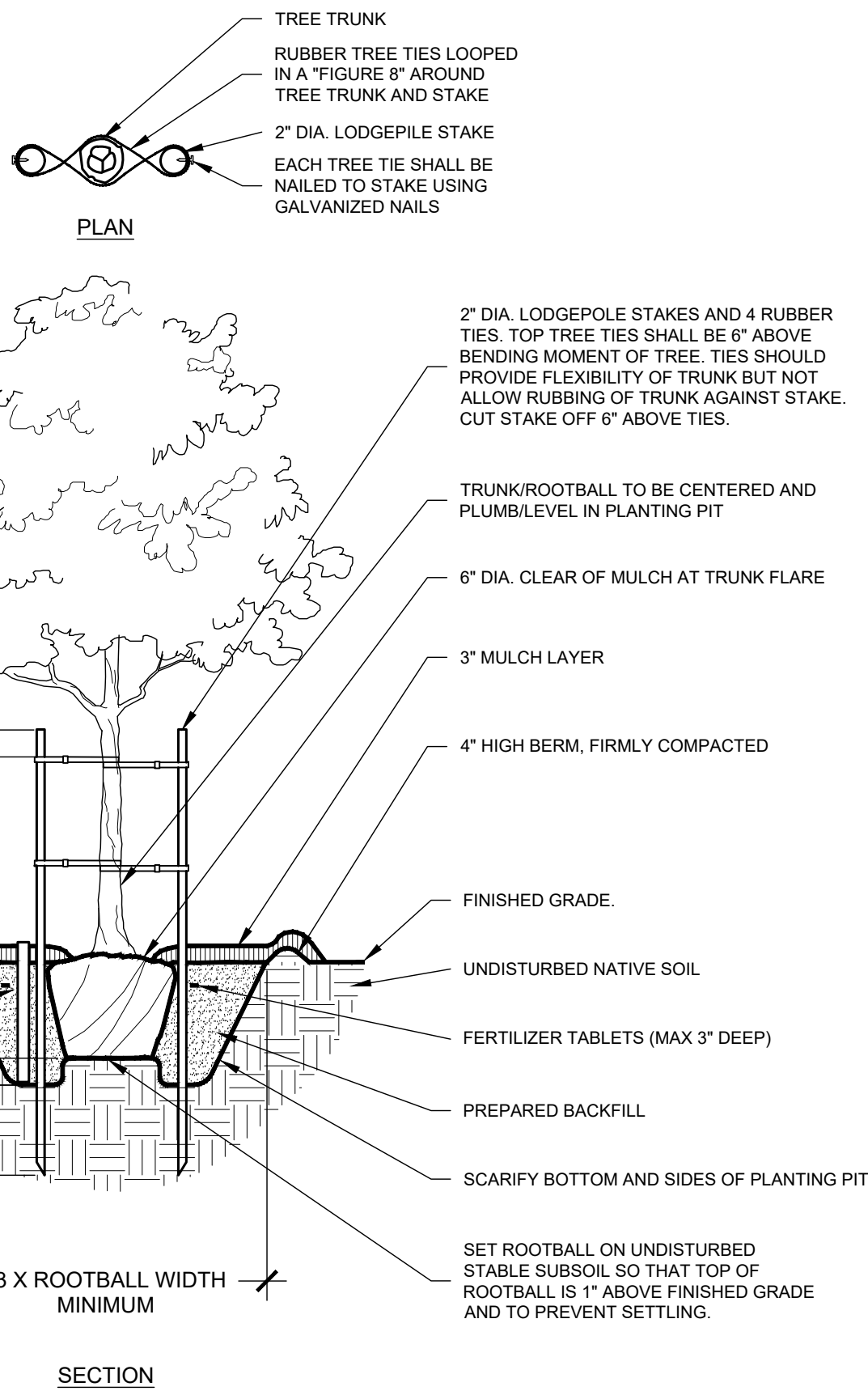
8



BOULDER DETAIL  
N.T.S.

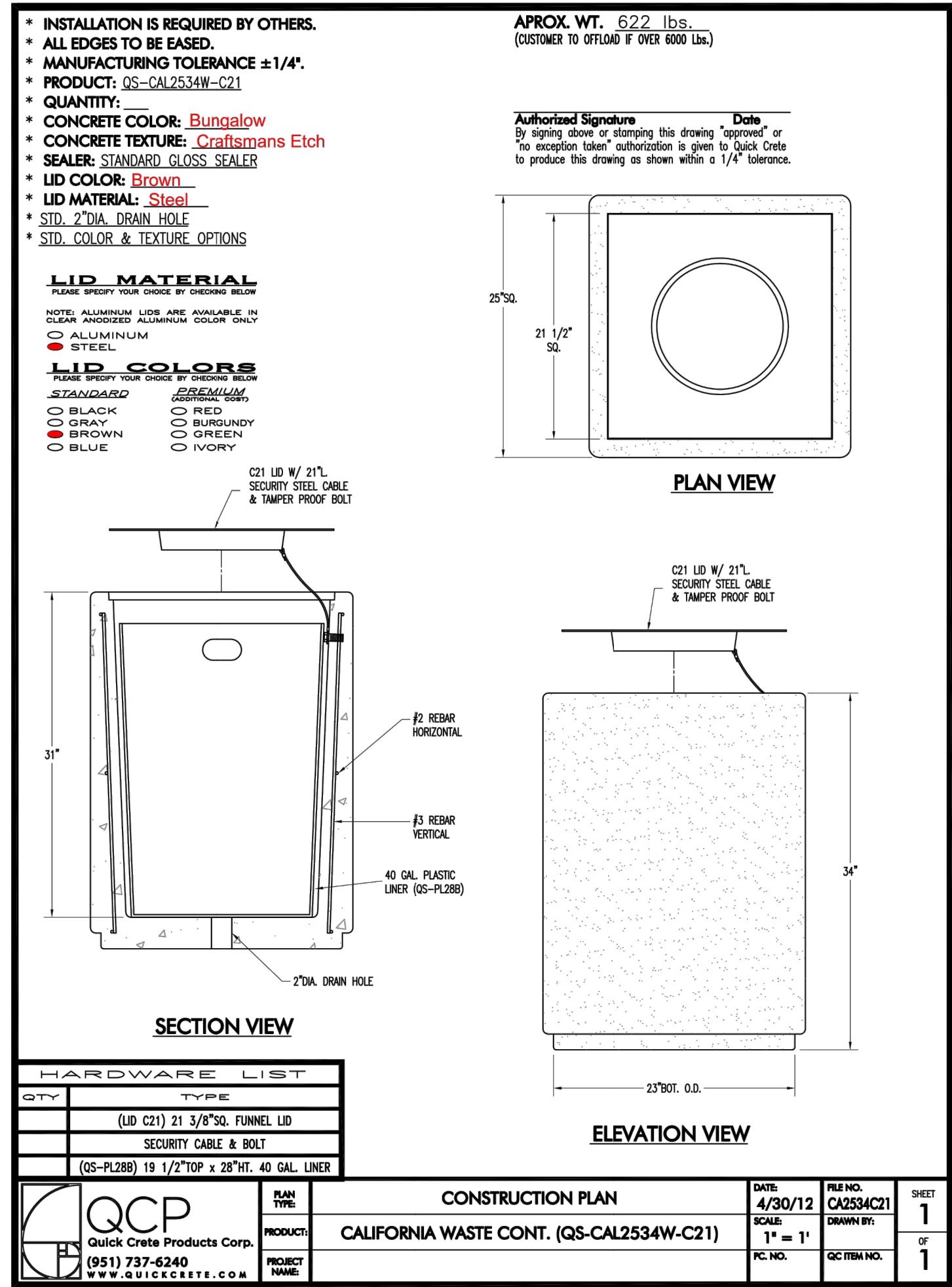
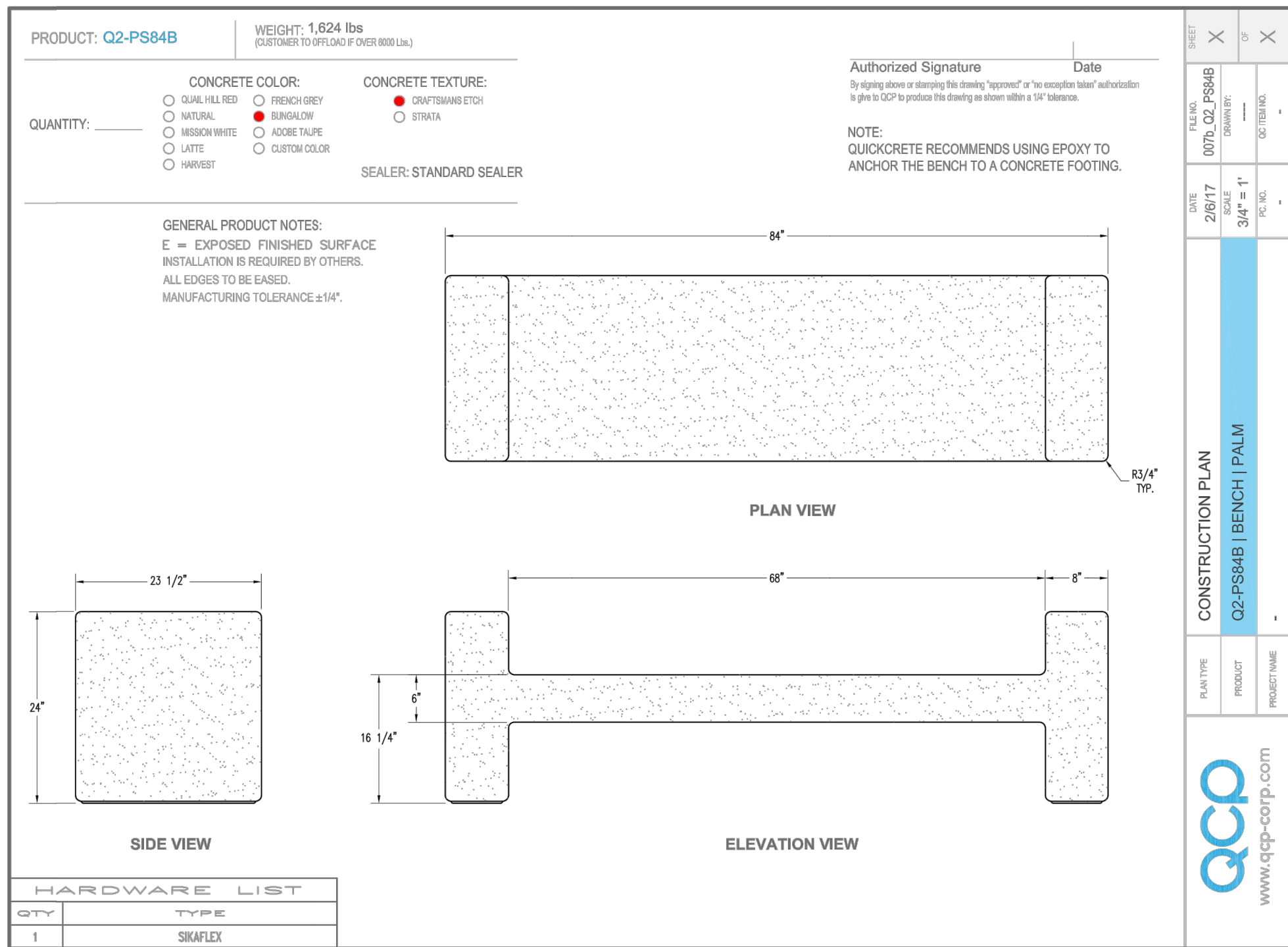
9

- NOTES:
1. REFERENCE PLANTING SPECIFICATIONS/ SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
  2. DOUBLE STAKE ALL TREES #15 (15 GAL.) SIZE AND LARGER.
  3. FOR SINGLE STAKED TREES, PLACE STAKE ON WINDWARD SIDE OF TREE.
  4. FOR DOUBLE STAKED TREES, PLACE STAKES PERPENDICULAR TO WINDWARD SIDE OF TREE.
  5. LOCATE ALL STAKES OUTSIDE OF ROOTBALL. DO NOT DRIVE STAKES INTO ROOTBALL. STAKE SHALL BE DRIVEN MIN. 24" INTO NATIVE SOIL AT BOTTOM OF PLANTING PIT.
  6. REMOVE ANYTHING (IE. BURLAP, WIRES, STRAPS, ETC.) THAT COULD GIRDLE TREE OR RESTRICT TREE GROWTH.



TYPICAL TREE PLANTING 24" BOX AND SMALLER  
N.T.S.

8



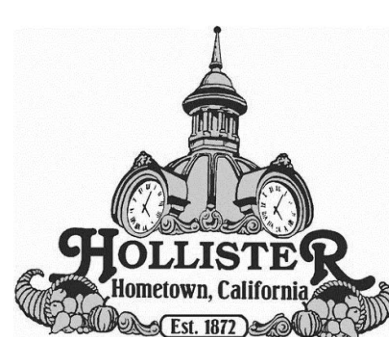
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KHA PROJECT  
197008001  
DATE  
10/11/2019  
SCALE  
1" = 40'  
DESIGNED BY  
MJL  
DRAWN BY  
MS  
CHECKED BY  
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**Kimley»Horn**  
Engineer: MARK FALGOUT  
P.E. No. 63394  
Date 10/11/2019



RIVER PARK TRAIL  
PROJECT  
2018/2019

HOLLISTER

CALIFORNIA

CIVIL DETIALS

DRAWING NUMBER

C301

SHEET NUMBER

16 OF 17

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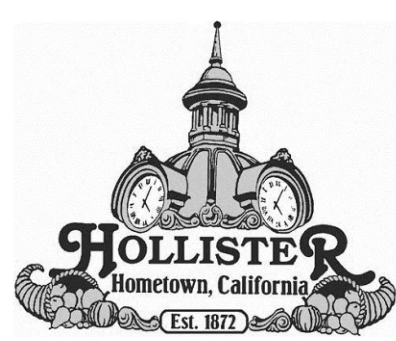
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KHA PROJECT	197008001
DATE	10/11/2019
SCALE	1" = 40'
DESIGNED BY	MJL
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Kimley-Horn	
Engineer	MARK FALGOUT
P.E. No.	63394
Date	10/11/2019



# RIVER PARK TRAIL PROJECT 2018/2019

HOLLISTER

CALIFORNIA

## CIVIL DETAILS

DRAWING NUMBER
C302
SHEET NUMBER
17 OF 17



DOGIPOT  
5340 YOUNG PINE ROAD, SUITE 8  
ORLANDO, FL 32829  
TOLL FREE: 1-800-364-7681  
PHONE: (407) 888-4627  
FAX: (407) 888-8526  
www.dogipot.com

### INCLUDES:

- ALUMINUM DOGIPOT PET SIGN, WITH MOUNTING HARDWARE
- ALUMINUM DOGIPOT JUNIOR BAG DISPENSER (ITEM #1002-2), WITH MOUNTING HARDWARE
- TWO KEYS FOR DISPENSER LOCKING FRONT ACCESS PANEL
- TWO ROLLS OF DOGIPOT LITTER PICK UP BAGS (ITEM #1402), INSTALLED IN DOGIPOT JUNIOR BAG DISPENSER
- 10 GALLON STEEL TRASH RECEPTACLE (ITEM #1206A-L) WITH ATTACHED HINGED LID AND TRASH LINER BAG RETAINER BANDS, WITH MOUNTING HARDWARE
- ONE DOGIPOT LINER TRASH BAGS (ITEM #1404)
- 2" X 2" X 4'-8" GALVANIZED STEEL TELESCOPIC MOUNTING POST, WITH INSTALLATION HARDWARE

#### (A) DOGIPOT PET SIGN (ITEM #1203 / 1204):

- H: 18" X W: 11.5"
- 1/4 GAUGE REFLECTIVE ALUMINUM
- WEIGHT: 1.35 LBS
- FOREST GREEN ON WHITE

#### (B) DOGIPOT JUNIOR BAG DISPENSER (ITEM #1002-2):

- H: 15.5" X W: 9.4" X D: 3.25"
- 12 GAUGE POWDER COATED FOREST GREEN ALUMINUM
- WEIGHT: 7 LBS
- 400 BAG CAPACITY

- TWO DIAMOND BAG DISPENSER SLOTS
- FRONT LOCKING ACCESS PANEL
- CLEARLY POSTED INSTRUCTIONS

#### (C) STEEL TRASH RECEPTACLE WITH LID (ITEM #1206-L):

- H: 23" X 11.5" DIAMETER
- 16 GAUGE POWDER COATED FOREST GREEN STEEL
- WEIGHT: 14.6 LBS
- 10 GALLON CAPACITY WITH INTERIOR TRASH LINER BAG RETAINER BANDS
- ATTACHED STAINLESS STEEL HINGED LID
- ONE BOX 50 COUNT DOGIPOT LINER TRASH BAGS (ITEM #1404) INCLUDED

#### (D) TELESCOPIC GALVANIZED STEEL MOUNTING POST (ITEM #1301-P):

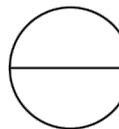
- 2" X 2" X 8'
- 11 GAUGE GALVANIZED STEEL
- WEIGHT: 15 LBS.

#### HOLE:

- FILL WITH 40 LBS. READY TO USE: CEMENT

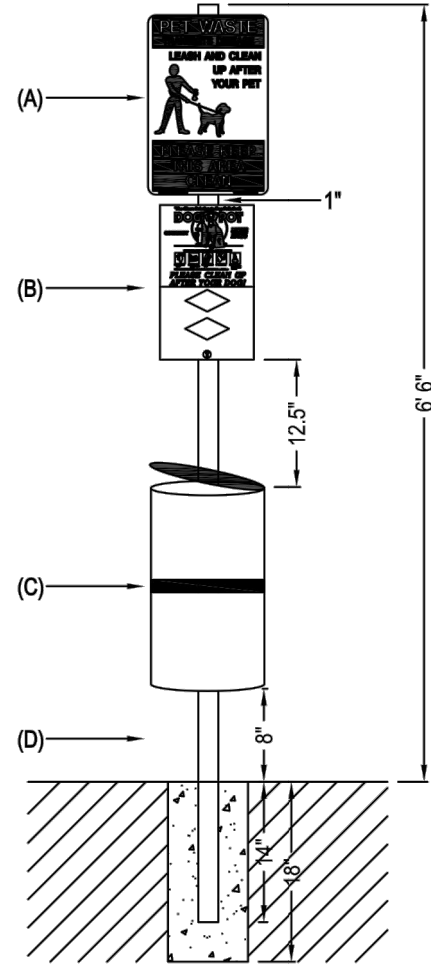
#### NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 2635-007.



### PET STATIONS

DOGIPOT® PET STATION ( 1003-L )



ELEVATION

2635-007

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REVISION DATE 04/05/2016

CADdetails.com



## TREEGATOR® ORIGINAL SLOW RELEASE WATERING BAG FOR SHADE TREES

### BENEFITS:

- Ideal for newly planted shade or street trees.
- Reduces transplant and drought shock.
- 100% water absorption with no run-off.
- Install and fill in minutes with no tools required.
- Deep water saturation with every fill.
- Fill just 1 to 2 times per week, or as needed.\*\*
- Promotes deep root growth.
- Non-invasive design will not harm existing landscape.
- Can be used with nutrient / chemical additives.\*\*
- Zip multiple bags together to accommodate large trees.
- Made in the U.S.A. with a 5-year limited warranty.

\*\*REFER TO WATERING CAPACITY / FREQUENCY CHART SHOWN BELOW

### DESCRIPTION:

If you plant shade trees, you need a Treegator® Original Slow Release Watering Bag! Golf courses, parks, cities, nurseries, landscapers, DOT's, resorts and homeowners all love its simple, affordable patented tree watering technology. Makes anyone a watering professional. Perfect for newly planted or established trees up to 8" in caliper, with branches beginning at least 25 inches from the ground or higher. Save time, water, effort and trees!

### SPECS:

Single bag fits min. 1 inch to max. 4 inch caliper tree with branches at least 25" from the ground or higher.

Use a Double Bag setup (2 single bags zipped together back-to-back) to water 4 inch to 8 inch caliper trees.

Made of green polyethylene with scrim reinforcement, black polypro straps and nylon zippers.

2 water release points per bag.

Bag is empty in approximately 5 to 9 hours.

UV stabilized to withstand exposure to sunlight.

Fill opening fits up to 3" diameter hose.

### DIRECTIONS FOR USE:

Place around tree trunk, with the zippers on uphill side of tree.

Wrap both sides around trunk until zippers meet and zip together from bottom to top.

Lift bag to expose fill opening at top of bag.

Insert hose into fill opening and begin filling with water.

Fill bag to 1/4 capacity.

Gently lift up on straps at top of bag to expand bottom.



Fill to desired level and let empty.

Continuously waters for approximately 5 to 9 hours.

### MEASUREMENTS:

Full - 30" tall x 18" wide (at base)

### WATERING CAPACITY / FREQUENCY CHART:

Treegator® Original Bag Setup	Trunk Caliper (diameter)	Approx. Water Capacity (per single bag)	Recommended Fills per Week
 Single Bag Setup	1 to 2 inch (1 to 5 cm)	15 gallons (56.78 liters)	1 Fill per Week
	2 to 3 inch (5 to 8 cm)	14.75 to 14.25 gallons (55.84 to 53.94 liters)	2 Fills per Week
 Double Bag Setup* (2 single bags)	0.00 inch (stand-alone†)	25 gallons (94.63 liters)	Varies based on application
	4 to 5 inch (10 to 13 cm)	23.50 gallons (89.55 liters)	1 Fill per Week
	5 to 8 inch (13 to 20 cm)	22.75 to 21.5 gallons (86.11 to 81.28 liters)	2 Fills per Week

\*Double Bag setup is two (2) single Treegator® Original bags zipped together back-to-back.  
†When watering older established trees with fully developed root systems, a Double Bag setup can also be used as a stand-alone watering solution (i.e. not wrapped around a trunk)