

COUNTY OF SANTA CRUZ  
PLANNING DEPARTMENT  
701 Ocean Street, 4<sup>th</sup> Floor  
Santa Cruz, CA 95060  
(831) 454-2580

**NOTICE OF PENDING ACTION**

The Planning Department has received the following application. The identified planner may be contacted for specific information on this application.

**APPLICATION NUMBER: 241251      APN: 107-481-22**  
**SITUS: 129 Las Colinas Dr, Watsonville, CA 95076**

Proposal to construct a 6 to 12 foot retaining wall in the required front yard setback. Requires an Administrative Site Development Permit to exceed the 8-foot height limit.

**OWNER: Dennis Mitsch**  
**APPLICANT: Avalon Structural, Inc**  
**SUPERVISORIAL DISTRICT: 2**  
**PLANNER: John Hunter, (831) 454-3170**  
**EMAIL: John.Hunter@santacruzcountyca.gov**

**Public comments must be received by 5:00 p.m. August 13, 2024**  
**A decision will be made on or shortly after August 28, 2024.**

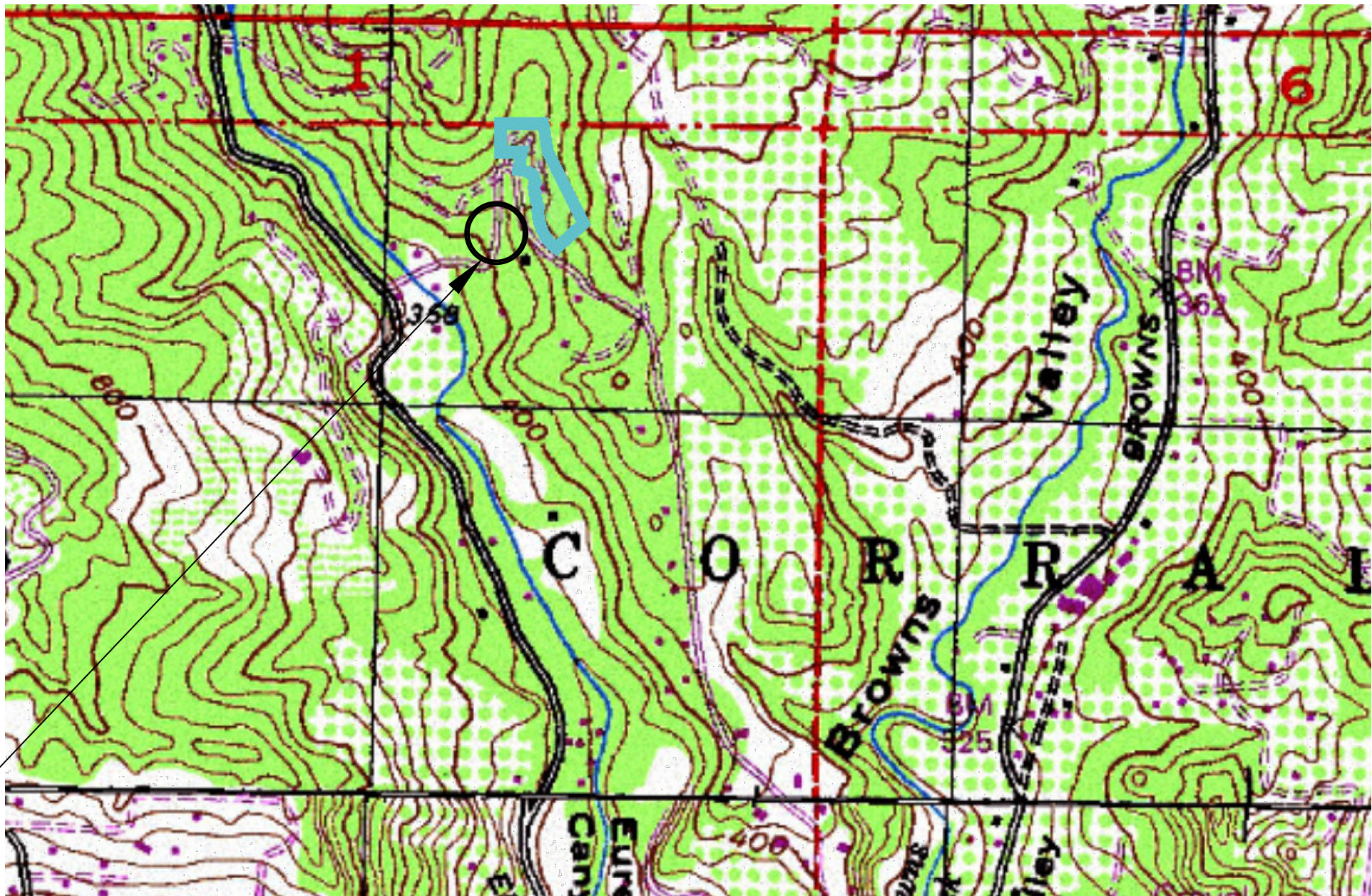
**Appeals of the decision will be accepted until 5:00 p.m. two weeks after the decision date. Planner will provide notification of decision to any requesting party.**

Information regarding the appeal process, including required fees, may be obtained by phoning (831) 454-2130.

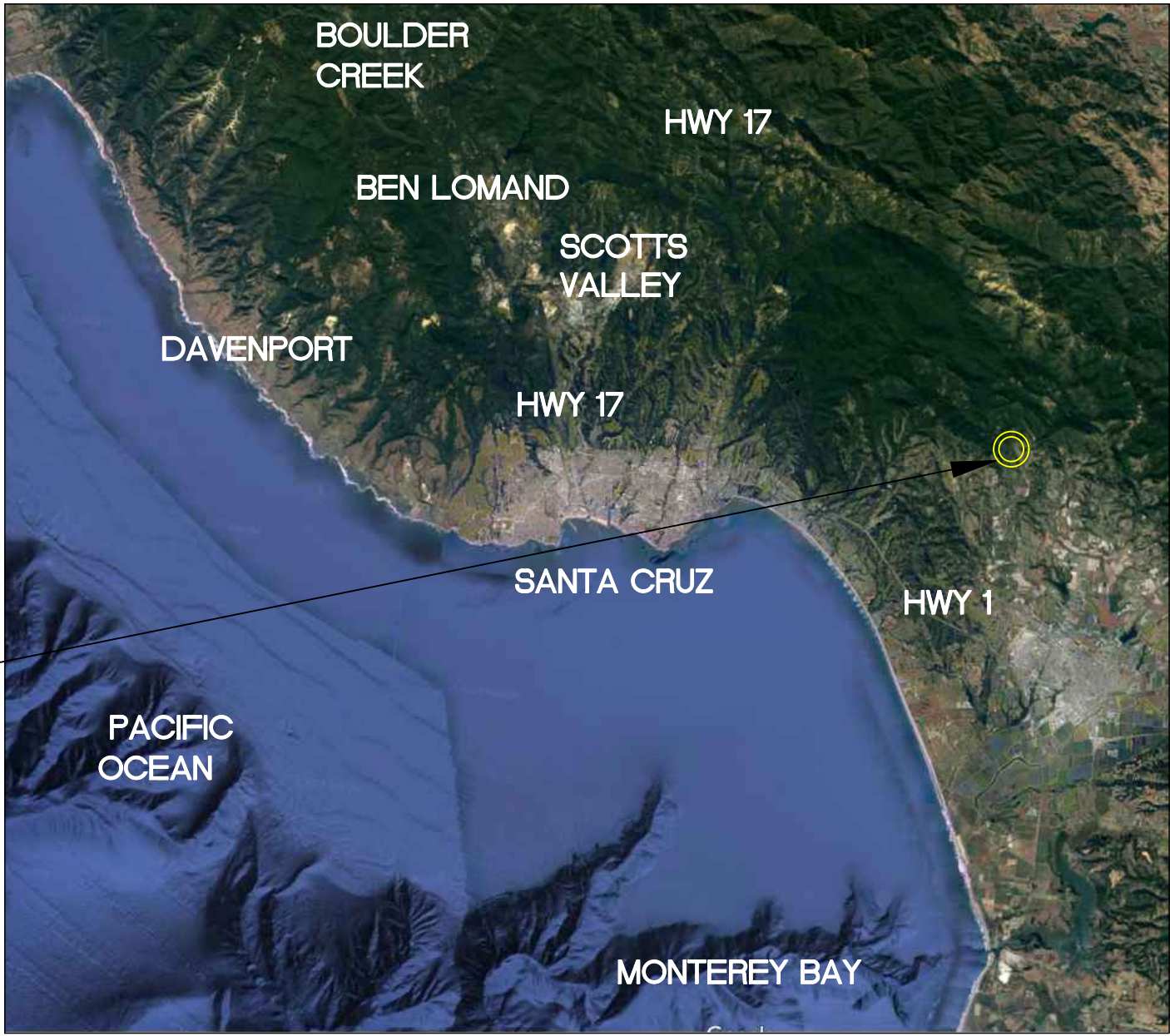


# SOLDIER PILE WALL FOR PROPOSED LANDSLIDE REPAIR

129 LAS COLINAS DRIVE  
WATSONVILLE, CALIFORNIA  
APN 107-481-22



VICINITY MAP  
N.T.S. (USGS)



REGIONAL MAP  
N.T.S. (GOOGLE)

## GENERAL NOTES

ELEVATION DATUM: 490.63 FT  
BASIS OF BEARINGS: BRIDGETTE LAND SURVEYING TOPOGRAPHIC MAP, DATED 5 JUNE 2023.

- CONTOUR INTERVAL IS ONE FOOT. ELEVATIONS AND DISTANCES SHOWN ARE IN DECIMAL FEET.
- GEOTECHNICAL REPORT PREPARED BY:  
HARO, KASUNICH AND ASSOCIATES, INC.  
116 EAST LAKE AVE.  
WATSONVILLE, CA 95076  
PROJECT NO.: SC12012  
jkasunich@harokasunich.com  
831-247-5466
- CIVIL PLANS/DESIGNS PREPARED BY:  
HARO, KASUNICH AND ASSOCIATES, INC.  
116 EAST LAKE AVE.  
WATSONVILLE, CA 95076  
PROJECT NO.: SC12012  
jperez@harokasunich.com  
831-345-1665
- STRUCTURAL ENGINEER  
MAYONE STRUCTURAL ENGINEERING INC.  
187 EL DORADO ST #B  
MONTEREY, CA 93940  
steve@mayonestructural.com  
831-372-4455
- CONTRACTOR  
AVALON STRUCTURAL INC.  
181 RIDGEVIEW DRIVE  
APTOS, CA 95003  
roger@avalonstructural.com  
831-479-4389
- OWNER:  
MR. DENNIS MITSCH  
129 LAS COLINAS DRIVE  
WATSONVILLE, CALIFORNIA 95076  
dmitsch@gmail.com
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE 2022 EDITION OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS PLANS, ISSUED BY THE DEPARTMENT OF TRANSPORTATION.
- REFER TO HKA GEOTECHNICAL INVESTIGATION REPORT AND RECOMMENDATIONS, DATED 10 APRIL 2023 FOR ADDITIONAL INFORMATION.

## ABBREVIATIONS

AVG.	AVERAGE
CC	CONCRETE
CY	CUBIC YARDS
DIA.	DIAMETER
E	EXISTING
EG	EXISTING GROUND
ELEV.	ELEVATION
FG	FINISHED GRADE
FT	FEET
INV	INVERT
IN	INCH
MIN.	MINIMUM
N	NEW
NTS	NOT TO SCALE
O.C.	ON CENTER
SF	SQUARE FOOT
T	TREE
T.B.D.	TO BE DETERMINED
TYP.	TYPICAL

## SHEET INDEX

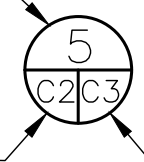
- C1 TITLE SHEET  
C2 TOPOGRAPHIC MAP  
C3 RETAINING WALL SITE PLAN  
C4 RETAINING WALL SECTION AND DETAILS  
C5 EROSION CONTROL PLAN AND NOTES  
S1 SOLDIER PILE WALL SECTION & DETAILS

## PROJECT DESCRIPTION

THESE DRAWINGS PROVIDE DETAILS FOR THE CONSTRUCTION OF A SOLDIER PILE RETAINING WALL TO THE WEST SIDE OF THE PROPERTY TO STABILIZE THE SLOPE AND A LANDSLIDE THAT OCCURRED AFTER THE HEAVY WINTER RAIN SEASON OF 2023. THE NEW APPROXIMATELY 76-FOOT LONG, 6 TO 12 FEET TALL SOLDIER PILE RETAINING WALL WILL CONSIST OF STEEL W-BEAMS, CONCRETE LAGGING, AND DRAINAGE MATERIAL, TO STABILIZE THE LANDSLIDE AND PROTECT THE PROPERTY FROM FUTURE LANDSLIDING.

## SECTION AND DETAIL CONVENTION

SECTION OR DETAIL IDENTIFICATION  
(NUMBER OR LETTER)



REFERENCE SHEET FROM WHICH  
DETAIL OR SECTION IS TAKEN.

REFERENCE SHEET ON WHICH  
SECTION OR DETAIL IS SHOWN.



Know what's below.  
Call before you dig.



DATE	REVISION	BY
5-20-24	1	JLP

HARO, KASUNICH & ASSOCIATES  
GEOTECHNICAL AND COASTAL ENGINEERS  
116 EAST LAKE AVENUE, WATSONVILLE, CALIFORNIA 95076  
(831) 722 4175 PHONE AND (831) 722-3202 FAX

TITLE SHEET

APN 107-481-22  
129 LAS COLINAS DRIVE  
WATSONVILLE, CALIFORNIA 95076

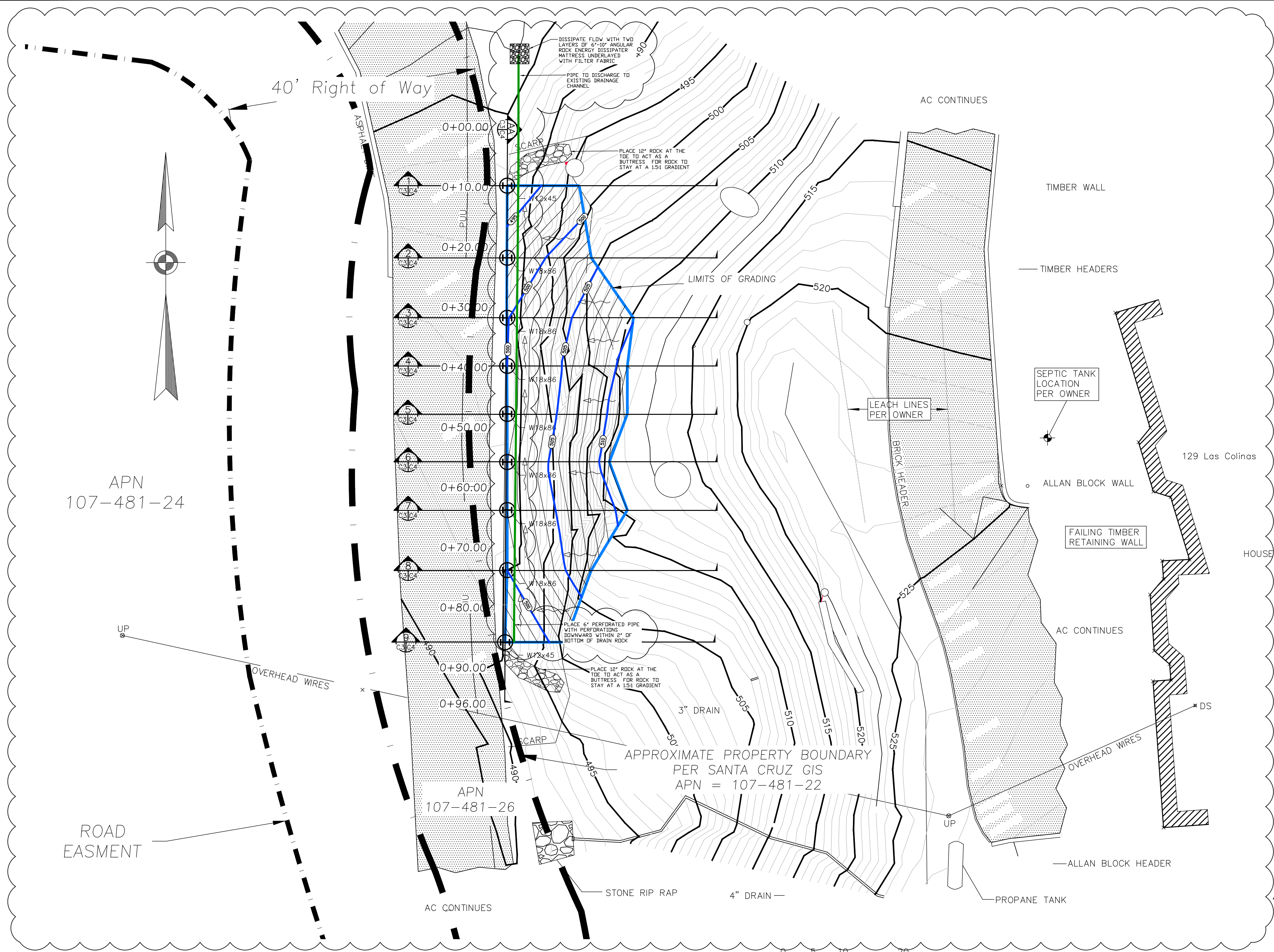
PROJECT:	SC12012
DATE:	01/12/2024
DESIGN:	JK
DRAWN:	JLP
SCALE:	AS SHOWN

C1









LEGEND	
	STEEL W-BEAM AND CONCRETE PIER
	FLOW LINES
	LIMITS OF GRADING
	EXISTING CONTOURS
	PROPOSED CONTOURS

**SITE PLAN**  
1" = 10'  
SCALE: 1" = 10'

- NOTES:**  
**GENERAL NOTES**
- ALL CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE 10 APRIL 2023 GEOTECHNICAL REPORT, PREPARED BY HARO, KASUNICH AND ASSOCIATES INC., PROJECT NO. 12012.2, AND THE REQUIREMENTS OF THE COUNTY OF SANTA CRUZ.
  - ALL WORK SHALL BE DONE IN COMPLIANCE WITH ALL APPLICABLE CODES, INCLUDING BUT NOT LIMITED TO: 2022 CALIFORNIA RESIDENTIAL CODE, 2022 CALIFORNIA BUILDING CODE, 2022 CALIFORNIA MECHANICAL CODE, 2022 CALIFORNIA ELECTRICAL CODE, 2022 CALIFORNIA FIRE CODE AND CENTRAL FIRE DISTRICT AMENDMENTS, 2022 CALIFORNIA PLUMBING CODE, 2022 CALIFORNIA GREEN STANDARDS CODE, 2022 CALIFORNIA ENERGY CODE, CAL-OSHA AND THE STATE SAFETY ORDERS, THE CALIFORNIA LABOR CODE, THE CALIFORNIA STATE FIRE MARSHALL LAW, SANTA CRUZ COUNTY AMENDMENTS AND ALL OTHER APPLICABLE AND ADOPTED CODES GOVERNING CONSTRUCTION.
  - A MINIMUM OF 65% IF THE CONSTRUCTION AND DEMOLITION WASTE WILL BE RECYCLED OR REUSED ON THE PROJECT, PER CGBC 4.408.1
  - SMOKE DETECTORS ARE REQUIRED IN EACH SLEEPING ROOM AND ON EACH FLOOR LEVEL, AND SMOKE AND CO ALARMS OUTSIDE EACH SLEEPING ARE ON EACH FLOOR LEVEL AT THE EXISTING RESIDENCE. COMBINATION ALARMS ARE PERMITTED (CRC R314.3, R315.2)
  - THE NEW RETAINING WALL SHOULD BE SUPPORTED BY SOLDIER PILES EMBEDDED INTO THE NATIVE SOIL WITH 30" DIAMETER CONCRETE FILLED SHAFTS.
  - DETERMINING THE EXISTENCE, LOCATION, AND DEPTH OF UNDERGROUND UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR. THIS SHOULD BE DONE PRIOR TO COMMENCEMENT OF WORK. THE ENGINEER SHOULD BE NOTIFIED IF ANY DISCREPANCIES OR CONFLICTS ARE ENCOUNTERED.
  - ALL WORK SHALL CONFORM TO APPROVED SPECIFICATIONS PRESENTED HEREIN OR CONTAINED IN THE GEOTECHNICAL INVESTIGATION AND RECOMMENDATIONS OF THE 10 APRIL 2023 GEOTECHNICAL REPORT.
  - SHAFTS SHALL BE OBSERVED AND APPROVED BY THE SOIL ENGINEER PRIOR TO PLACEMENT OF SOLDIER PILES.
  - HKA SHALL BE NOTIFIED AT LEAST (4) WORKING DAYS BEFORE BEGINNING WORK AT TELEPHONE NUMBER (831)722-4175, EXT. 104. HKA SHALL NOT BE RESPONSIBLE FOR WORK THAT HAS NOT BEEN OBSERVED AND DOCUMENTED BY HKA.
  - THE CONTRACTOR SHALL OBTAIN INSPECTION OF ALL WORK BY THE CONTROLLING AGENCY.
  - IF, DURING THE COURSE OF CONSTRUCTION, CULTURAL, ARCHAEOLOGICAL, HISTORICAL OR PALEONTOLOGIST RESOURCES ARE UNCOVERED AT THE SITE (SURFACE OR SUBSURFACE RESOURCES) WORK SHALL BE HALTED IMMEDIATELY WITHIN 50 METERS OF THE FIND UNTIL A QUALIFIED PROFESSIONAL ARCHAEOLOGIST CAN EVALUATE IT. SANTA CRUZ COUNTY - PLANNING AND A QUALIFIED ARCHAEOLOGIST (I.E., AN ARCHAEOLOGIST REGISTERED WITH THE REGISTER OF PROFESSIONAL ARCHAEOLOGISTS) SHALL BE IMMEDIATELY CONTACTED BY THE RESPONSIBLE INDIVIDUAL PRESENT ON-SITE. WHEN CONTACTED, THE PROJECT PLANNER AND THE ARCHAEOLOGIST SHALL IMMEDIATELY VISIT THE SITE TO DETERMINE THE EXTENT OF THE RESOURCES AND TO DEVELOP PROPER MITIGATION MEASURES REQUIRED FOR RECOVERY (PLANNING).
  - IF DISCREPANCIES ARE DISCOVERED BETWEEN THE CONDITIONS EXISTING IN THE FIELD AND THE INFORMATION SHOWN ON THESE DRAWINGS, NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
  - PROTECT TREES ADJACENT TO PROJECT FROM POTENTIAL DAMAGE.
  - EXCESS MATERIAL WILL BE HAULED OFFSITE.
  - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE FULLY INFORMED OF AND TO COMPLY WITH ALL LAWS, ORDINANCES, CODES, REQUIREMENTS AND STANDARDS WHICH IN ANY MANNER AFFECT THE COURSE OF CONSTRUCTION OF THIS PROJECT, THOSE ENGAGED OR EMPLOYED IN THE CONSTRUCTION AND THE MATERIALS USED IN THE CONSTRUCTION.
  - ANY TESTS, INSPECTIONS, SPECIAL OR OTHERWISE, THAT ARE REQUIRED BY THE BUILDING CODES, LOCAL BUILDING DEPARTMENTS, OR THESE PLANS, SHALL BE DONE BY HARO, KASUNICH AND ASSOCIATES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE REQUIRED TESTS AND INSPECTIONS ARE SCHEDULED.
  - THE CONTRACTOR OR OWNER SHALL BE RESPONSIBLE FOR DESIGN, PERMITTING, INSTALLATION, AND MAINTENANCE OF ANY AND ALL TRAFFIC CONTROL MEASURES DEEMED NECESSARY.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL SAFETY DURING CONSTRUCTION. ALL WORK SHALL CONFORM TO PERTINENT SAFETY REGULATIONS AND CODES. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR FURNISHING, INSTALLING, AND MAINTAINING ALL WARNING SIGNS AND DEVICES NECESSARY TO SAFEGUARD THE GENERAL PUBLIC AND THE WORK, AND PROVIDE FOR THE PROPER AND SAFE ROUTING OF VEHICULAR AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF THE WORK.
  - CONTRACTOR IN COLLABORATION WITH HARO KASUNICH SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING AND LAYOUT, UNLESS OTHERWISE SPECIFIED.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND PRESERVATION OF ALL SURVEY MONUMENTS OR PROPERTY CORNERS. DISTURBED MONUMENTS SHALL BE RESTORED BACK TO THEIR ORIGINAL LOCATION AND SHALL BE CERTIFIED BY A REGISTERED CIVIL ENGINEER OR LAND SURVEYOR AT THE SOLE EXPENSE OF THE CONTRACTOR.
  - EXISTING UNDERGROUND UTILITY LOCATIONS:
    - CALL UNDERGROUND SERVICE ALERT (811) TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO COMMENCING CONSTRUCTION.
    - PRIOR TO BEGINNING WORK, CONTACT ALL UTILITIES COMPANIES WITH REGARD TO WORKING OVER, UNDER, OR AROUND EXISTING FACILITIES AND TO OBTAIN INFORMATION REGARDING RESTRICTIONS THAT ARE REQUIRED TO PREVENT DAMAGE TO THE FACILITIES.
    - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE LOCATION AND/OR PROTECTION OF ALL EXISTING AND PROPOSED PIPING, UTILITIES, TRAFFIC SIGNAL EQUIPMENT (BOTH ABOVE GROUND AND BELOW GROUND), STRUCTURES, AND ALL OTHER EXISTING IMPROVEMENTS THROUGHOUT CONSTRUCTION.
    - PRIOR TO COMMENCING FABRICATION OR CONSTRUCTION, DISCOVER OR VERIFY THE ACTUAL DIMENSIONS, SIZES, MATERIALS, LOCATIONS, AND ELEVATIONS OF ALL EXISTING UTILITIES AND POTHOLE THOSE AREAS WHERE POTENTIAL CONFLICTS ARE LIKELY OR DATA IS OTHERWISE INCOMPLETE.
    - TAKE APPROPRIATE MEASURES TO PROTECT EXISTING UTILITIES DURING CONSTRUCTION OPERATIONS. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE COST OF REPAIR/REPLACEMENT OF ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
    - UPON LEARNING OF THE EXISTENCE AND/OR LOCATIONS OF ANY UNDERGROUND FACILITIES NOT SHOWN OR SHOWN INACCURATELY ON THE PLANS OR NOT PROPERLY MARKED BY THE UTILITY OWNER, IMMEDIATELY NOTIFY THE UTILITY OWNER AND THE CITY BY TELEPHONE AND IN WRITING.
    - UTILITY RELOCATIONS REQUIRED FOR THE CONSTRUCTION OF THE PROJECT FACILITIES WILL BE PERFORMED BY THE UTILITY COMPANY, UNLESS OTHERWISE NOTED.
- DIMENSIONS**  
19. DIMENSIONS UNLESS OTHERWISE SHOWN ARE TO THE CENTER OF COLUMNS AND BEAMS.  
20. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE. PLEASE NOTIFY HKA OF ANY DIMENSION VARIATIONS PRIOR TO THE START OF CONSTRUCTION.
- CONCRETE**  
21. CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318-11 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"  
22. ALL CONCRETE SHALL BE REGULAR WEIGHT HARD ROCK AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI FOR PILES AND 2500 PSI FOR THE LAGGING. USE TYPE II CEMENT ASTM C150 MAX. AGGREGATE SIZE 3/4".  
23. DO NOT BACKFILL WALL UNTIL CONCRETE HAS REACHED IT'S STRENGTH, OTHERWISE USE FAST SETTING CONCRETE WITH ENGINEER'S APPROVAL.
- STEEL**  
25. USE A50 (Fy=50KSI) STEEL.
- DRAINAGE**  
26. EXISTING DRAINAGE PATTERN TO REMAIN UNCHANGED. SURFACE RUNOFF WILL FLOW INTO A GRAVEL RETENTION BASIN CONTAINED BEHIND THE PROPOSED RETAINING WALL. THE RUNOFF WATER WILL BE COLLECTED IN A PERFORATED 6" PIPE THAT DIRECTS IT NORTH INTO AN EXISTING DRAINAGE CHANNEL. THE EXISTING RUNOFF RATE INTO THE DRAINAGE CHANNEL WILL BE REDUCED BY THE GRAVEL RETAINING WALL DRAINAGE BASIN.  
27. NO NEW IMPERVIOUS SURFACES ARE TO BE CONSTRUCTED. STORM RUNOFF WILL BE COLLECTED AS DESCRIBED ABOVE.
- STORM DRAIN INSPECTION AND MAINTENANCE NOTES:**  
28. AT THE PROJECT COMPLETION, THE CONTRACTOR SHALL ENSURE THAT ALL PIPES ARE CLEAN AND FREE OF DIRT AND DEBRIS.  
29. EVERY YEAR, THE OWNER SHALL INSPECT ALL DRAINAGE STRUCTURES AT THE PROJECT SITE. AT MINIMUM, INSPECTIONS WILL BE CONDUCTED AS FOLLOWS:  
29.1. ONCE BEFORE WINTER SEASON (SEPTEMBER)  
29.2. ONCE AFTER WINTER SEASON (MAY)  
29.3. OWNER TO MAINTAIN AND REPAIR DRAINAGE FACILITIES INCLUDING REMOVING ANY RESTRICTIONS NOTICED AT THE RETAINING WALL DISCHARGE PIPE WHEN NECESSARY.



BY	REVISION
JLP	1 Zoning/public works and bldg
5-20-24	

**HARO, KASUNICH & ASSOCIATES**  
GEOTECHNICAL AND COASTAL ENGINEERS  
116 EAST LAKE AVENUE, WATSONVILLE, CALIFORNIA 95076  
(831) 722 4175 PHONE AND (831) 722-3202 FAX

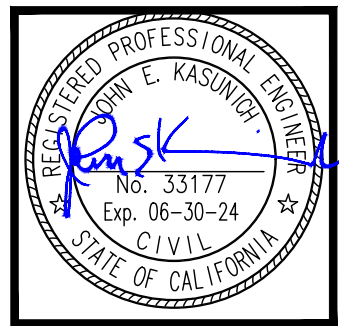
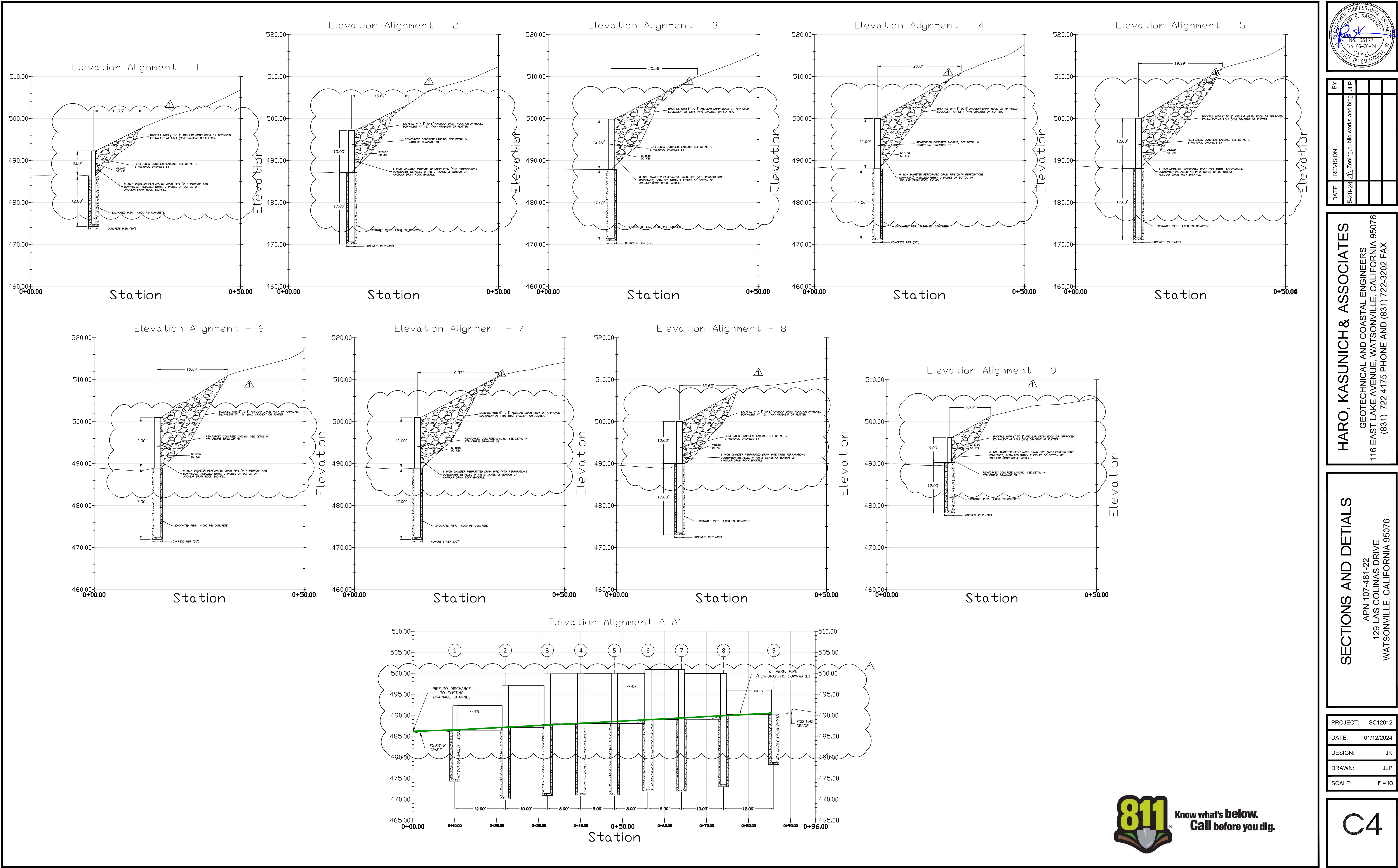
**RETAINING WALL SITE PLAN**  
APN 107-481-22  
129 LAS COLINAS DRIVE  
WATSONVILLE, CALIFORNIA 95076

PROJECT:	SC12012
DATE:	01/12/2024
DESIGN:	JK
DRAWN:	JLP
SCALE:	AS SHOWN



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DATE	REVISION	BY
5-20-24	1	JLP

**HARO, KASUNICH & ASSOCIATES**  
GEOTECHNICAL AND COASTAL ENGINEERS  
116 EAST LAKE AVENUE, WATSONVILLE, CALIFORNIA 95076  
(831) 722-4175 PHONE AND (831) 722-3202 FAX

**SECTIONS AND DETAILS**  
APN 107-481-22  
129 LAS COLINAS DRIVE  
WATSONVILLE, CALIFORNIA 95076

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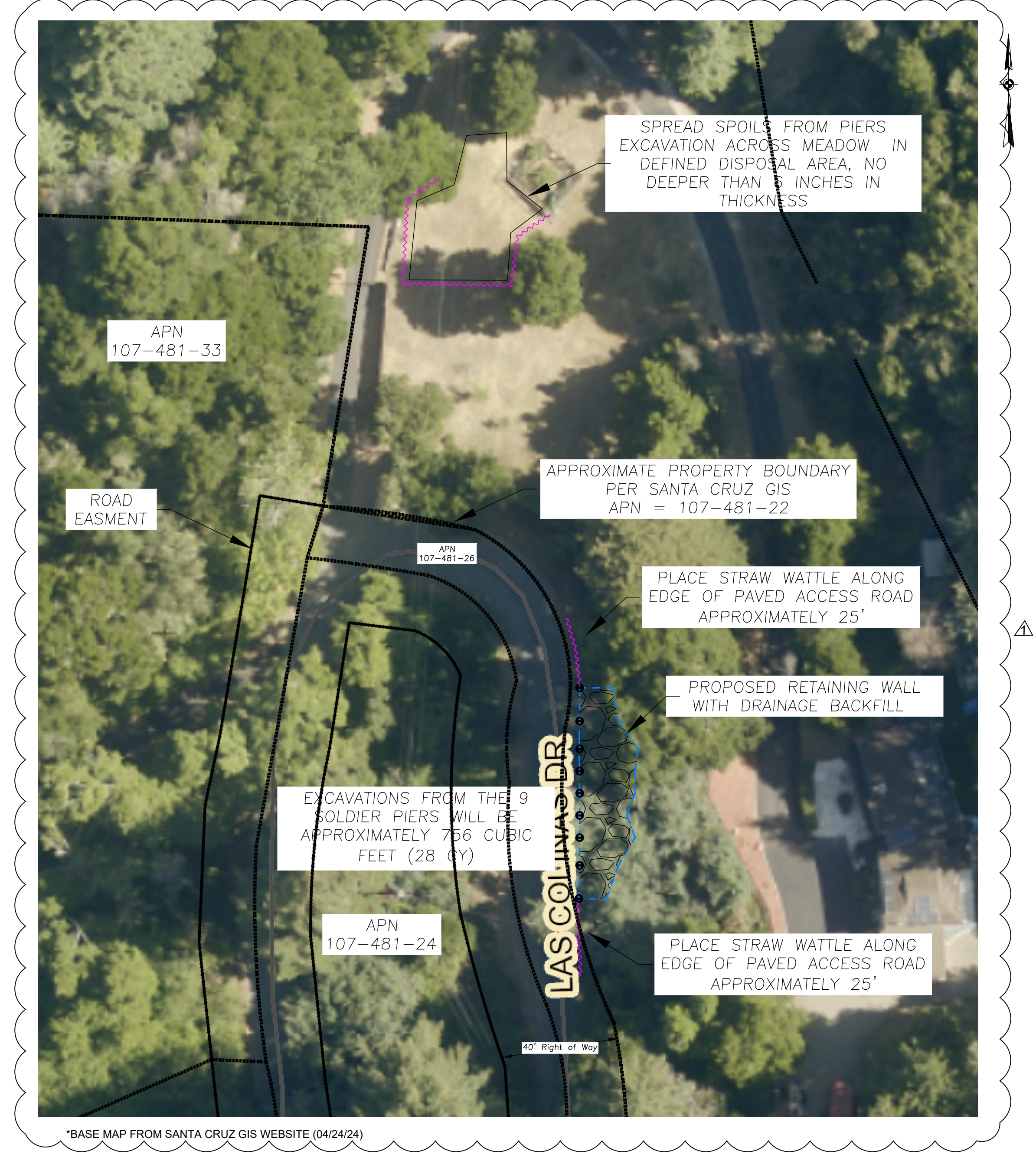


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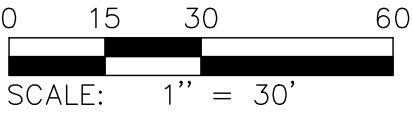


SPECIAL TESTS AND INSPECTION SCHEDULE		
THE FOLLOWING ITEMS SHALL BE INSPECTED. "SPECIAL INSPECTION" SHALL CONFORM TO 2022 CBC 1704.7. SPECIAL INSPECTION AGENCIES AND/OR INDIVIDUALS SHALL BE RETAINED BY THE OWNER AND APPROVED BY THE BUILDING OFFICIAL PRIOR TO ANY WORK. FOR MATERIAL TESTING REQUIREMENTS, SEE SPECIFICATIONS AND/OR GENERAL NOTES. TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE BUILDING OFFICIAL AND ENGINEER.		
ITEM	REQ.	REMARKS
PIER EXCAVATIONS	YES	BY SOIL ENGINEER / PERIODIC
SUBGRADE /FINISH GRADE PREPARATION	YES	BY SOIL ENGINEER / PERIODIC
CLASSIFICATION OF FILL MATERIAL	YES	BY SOIL ENGINEER / PERIODIC
OBSERVATION OF FILL MATERIAL/MECHANICAL TAMPING	YES	BY SOIL ENGINEER / PERIODIC
STEEL INSTALLATION	YES	BY STRUCTURAL ENGINEER / PERIODIC
LAGGING INSTALLATION	YES	BY STRUCTURAL ENGINEER / PERIODIC
WALL BACKDRAIN	YES	BY SOIL ENGINEER / PERIODIC

SOILS ENGINEER TO PROVIDE OBSERVATION DURING GRADING AND FOUNDATION PHASE OF CONSTRUCTION

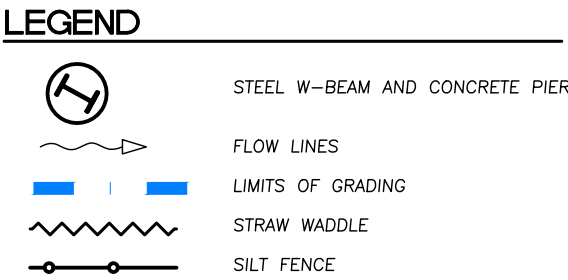


\*BASE MAP FROM SANTA CRUZ GIS WEBSITE (04/24/24)



## EROSION CONTROL PLAN

1" = 30'



### BEST MANAGEMENT NOTES

#### EQUIPMENT AND VEHICLE MAINTENANCE AND CLEANING

- INSPECT EQUIPMENT AND VEHICLES FREQUENTLY AND REPAIR ANY LEAKS AS SOON AS POSSIBLE. CONTAIN AND CLEAN UP LEAKS, SPILLS, AND DRIPS OF HAZARDOUS MATERIALS AND CHEMICALS AS QUICKLY AS POSSIBLE TO MINIMIZE RUN-OFF OR SOAK IN. THIS INCLUDES FUEL AND MOTOR OIL, HYDRAULIC FLUID, AND GLYCOL BASED ANTI-FREEZE FROM VEHICLES. USE DRY CLEANUP METHODS IF POSSIBLE. PERFORM MAJOR MAINTENANCE AND REPAIRS OFF-SITE.
- IF REPAIR OR REFUELING OF VEHICLES AND EQUIPMENT MUST BE DONE ON-SITE, USE A DESIGNATED LOCATION AWAY FROM STORM DRAIN INLETS, WATER BODIES, AND OTHER SENSITIVE AREAS.
- IF EQUIPMENT IS WASHED ON-SITE, WASH WATER MAY NOT BE DISCHARGED TO THE STORM DRAIN SYSTEM. IF POSSIBLE, WASH VEHICLES AT AN APPROPRIATE OFF-SITE FACILITY.
- RECYCLE USED MOTOR OIL, OTHER VEHICLE FLUIDS, AND VEHICLE PARTS WHENEVER POSSIBLE.

#### MATERIAL STORAGE AND SOIL STOCKPILES

- LOCATE MATERIAL AND SOIL STOCKPILES AWAY FROM GUTTERS, STORM DRAIN INLETS, AND WATER BODIES. IN ADDITION, KEEP STOCKPILES AWAY FROM STEEP SLOPES AND UNSTABLE SOIL IN ORDER TO MINIMIZE THE CHANCE OF AN ACCIDENTAL RELEASE TO THE ENVIRONMENT.
- ALL LOOSE STOCKPILED MATERIAL THAT ARE NOT BEING ACTIVELY USED, SHALL BE UNDER COVER AND/OR BERMED AND PROTECTED FROM WIND, RAIN, AND RUNOFF.
- KEEP DUMPSTER LIDS CLOSED AND SECURED. FOR DUMPSTERS OR BINS THAT DON'T HAVE A LID, COVER THEM WITH PLASTIC SHEETING OR A TARP DURING RAINY OR WINDY WEATHER.

#### WASTE MANAGEMENT: BUILDING MATERIALS, DEMOLITION WASTE, AND VEGETATION

- ONSITE STORAGE OF CONSTRUCTION MATERIALS. STORE WASTES IN CONTAINERS OR A DUMPSTER WHENEVER POSSIBLE. COVER PILES OF UNCONTAINED WASTES AND WASTES STORED IN OPEN CONTAINERS DURING WINDY CONDITIONS AND PRIOR TO SIGNIFICANT FORECASTED RAIN (0.25 INCHES IN A 24-HOUR PERIOD). DO NOT HOSE DUMPSTERS OUT ON THE CONSTRUCTION SITE.
- NEVER LEAVE OR ABANDON MATERIALS OR EXCAVATION SPOILS AT A PROJECT SITE. AT THE END OF THE CONSTRUCTION PROJECT, COLLECT ALL UNUSED OR WASTE MATERIALS AND DISPOSE OF PROPERLY. DO NOT LEAVE DISCARDED BUILDING MATERIALS, DEMOLITION WASTES, WASTE VEGETATION, SOIL, MULCH, VEGETATION, AND OTHER LANDSCAPE PRODUCTS IN A ADJACENT GULLY, OR WATERWAY.

#### SITE CLEANUP

- RESIDUAL LITTER AND DEBRIS FROM THE SLOPE RESTORATION PROJECT MUST BE PICKED UP AND DISPOSED OF PROPERLY.
- REMOVE ANY SOLID WASTE THAT ACCUMULATED AT EROSION AND SEDIMENT CONTROL DEVICES.
- DO NOT CLEAN THE RE-GRADED SLOPE AREA BY DIRECTING SEDIMENT, OR OTHER DERBIES INTO EXISTING OR CREATED STORM WATER DRAINAGE IMPROVEMENTS OR EXISTING DRAINAGE DITCHES.

### SITE DRAINAGE

- THE GRADED SLOPE SURFACE GRADIENTS SHOULD BE UNIFORM WITH ADJACENT UNDISTURBED SLOPES TO PROMOTE EVEN DISPERSION OF SURFACE DRAINAGE ACROSS THE RESTORED GRADED AREA.
- THE STRAW WATTLE SHOULD BE MONITORED AND MAINTAINED TO FUNCTION DURING THE AUTUMN WINTER AND SPRING RAIN SEASON.
- IF ACCUMULATED SURFACE WATER CONGREGATES, ADDITIONAL STRAW WATTLE MAY BE NECESSARY UNTIL THE GROUND COVER HAS ESTABLISHED ITSELF.
- THE RECONSTRUCTED SLOPES SHOULD BE MONITORED BEFORE, DURING AND AFTER THE RAINY SEASONS, ESPECIALLY WHEN LARGE RAIN EVENTS ARE FORECASTED OR HAVE OCCURRED.

### SEDIMENT CONTROL NOTES:

- USE FIBER ROLLS AS PERIMETER CONTROL TO PREVENT SEDIMENT FROM LEAVING THE SITE DURING THE WINTER SEASON (OCTOBER 15TH THROUGH APRIL 15TH)
- FIBER ROLLS ARE APPROPRIATE IN COMBINATION WITH EROSION CONTROL COVER ON SLOPES TO SHORTEN SLOPE LENGTH AND SPREAD RUNOFF AS SHEET FLOW.
- LONG-TERM SEDIMENT CONTROL MEASURES ARE REQUIRED TO ENSURE THAT EROSION AND SEDIMENTATION DO NOT BECOME AN ISSUE ONCE THE PROJECT IS COMPLETED. THE FOLLOWING MEASURES CAN BE EFFECTIVE FOR LONG TERM SEDIMENT CONTROL ONCE THE PLANTINGS AND ROOTS HAVE GROWN TO SUFFICIENT SIZE:
  - SEED AND STRAW MULCH CAN BE SPREAD OVER THE DEFINED DISPOSAL AREA AFTER PIER EXCAVATION SPOILS ARE PLACED ON GRADE.

### TREE REMOVAL

- NO TREES WILL BE REMOVED.



BY	REVISION	DATE
JLP	Zoning/public works and bldg	5-20-24

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116 EAST LAKE AVENUE, WATSONVILLE, CALIFORNIA 95076  
(831) 722 4175 PHONE AND (831) 722-3202 FAX

**EROSION CONTROL PLAN AND NOTES**  
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