

COUNTY OF SANTA CRUZ
PLANNING DEPARTMENT
701 Ocean Street, 4th 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.

APPLICATON NUMBER: 251111 APN: 042-341-08
SITUS ADDRESS: 73 Seacliff Drive, Aptos CA 95003

Proposal to recognize the retaining wall built as part of the emergency coastal development permit 241285. Includes construction of an 8-10 foot high steel beam and wood lagging retaining wall to repair a slope.

Requires a Coastal Development Permit.

Property is located on the southern side of Seacliff Drive (73 Seacliff Drive), approximately 540 feet from the intersection with Center Avenue and North Avenue.

OWNER: Bruce Rak

APPLICANT: Mark Grofcsik

SUPERVISORIAL DISTRICT: 2

PLANNER: Alexandra Corvello, (831) 454-3209

EMAIL: Alexandra.Corvello@santacruzcountyca.gov

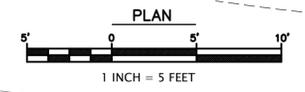
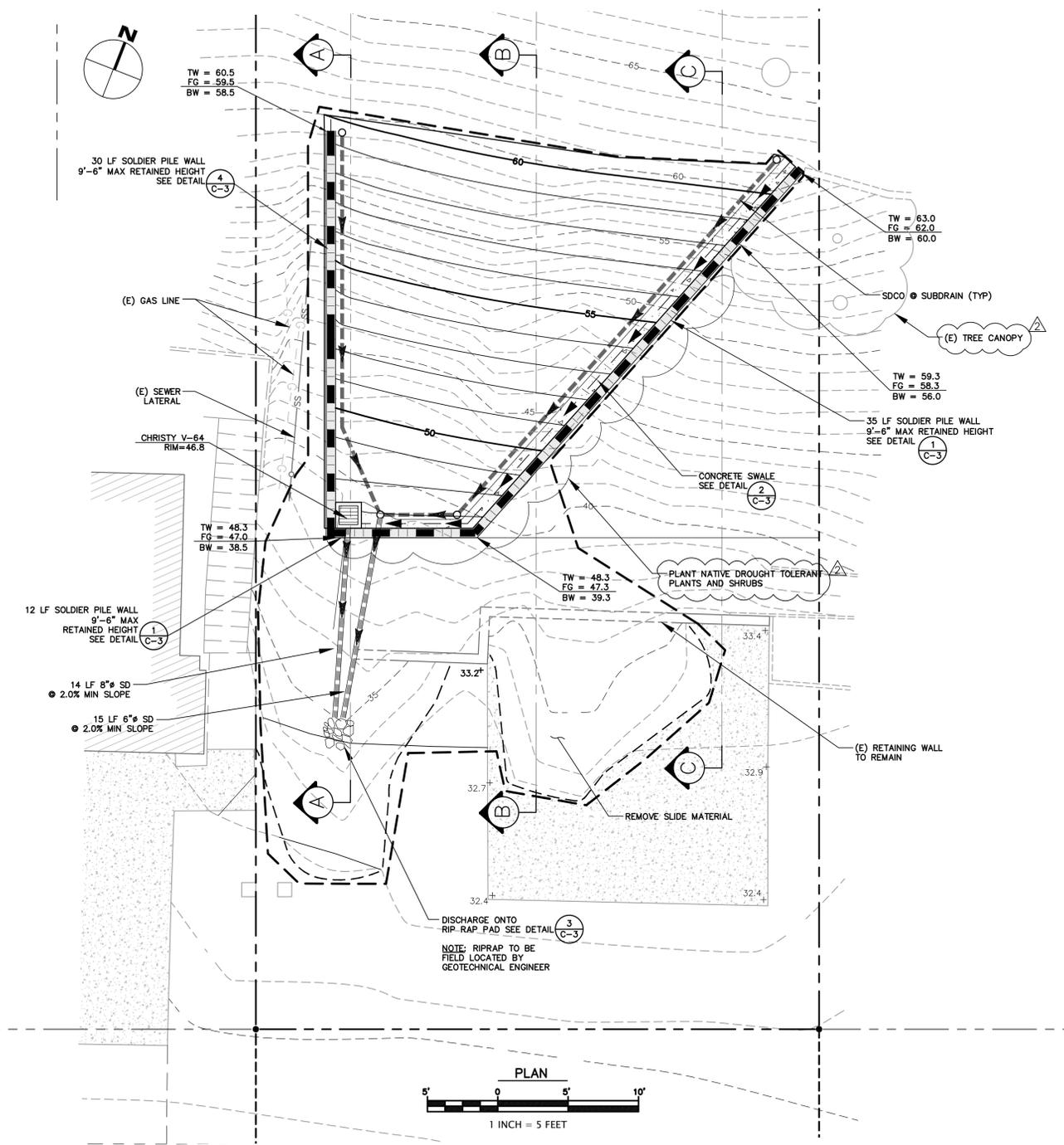
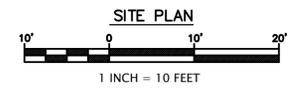
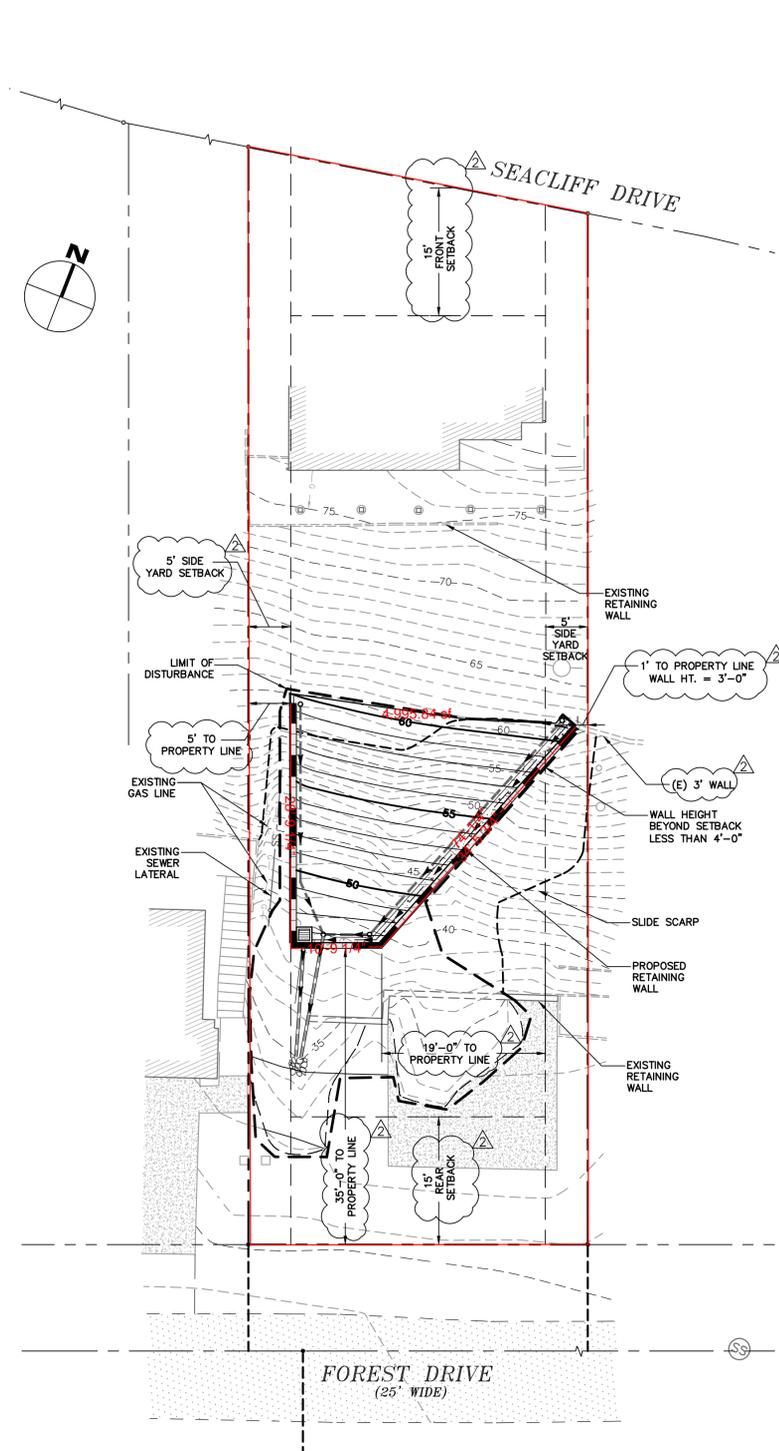
Public comments must be received by 5:00 p.m. February 13, 2026.

A decision will be made on or shortly after February 16, 2026.

Appeals of the decision will be accepted until 5:00 p.m. two weeks after the decision date. If you would like to request a public hearing be held for this item, please contact the project planner listed on this notice.

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

For more information, contact the project planner identified above.



EARTHWORK AND GRADING

1. WORK SHALL CONSIST OF ALL CLEARING, GRUBBING, STRIPPING, PREPARATION OF LAND TO BE FILLED, EXCAVATION, SPREADING, COMPACTION AND CONTROL OF FILL, AND ALL SUBSIDIARY WORK NECESSARY TO COMPLETE THE GRADING TO CONFORM TO THE LINES, GRADES, AND SLOPES, AS SHOWN ON THE APPROVED PLANS.
2. ALL GRADING OPERATIONS SHALL CONFORM TO SECTION 19 OF THE CALTRANS STANDARD SPECIFICATIONS, AND SHALL ALSO BE DONE IN CONFORMANCE WITH THE REQUIREMENTS OF THE COUNTY OF SANTA CRUZ. THE MOST STRINGENT GUIDELINE SHALL PREVAIL.
3. REFERENCE IS MADE TO THE GEOTECHNICAL INVESTIGATIONS BY ROCK SOLID ENGINEERING INC., ENTITLED "GEOTECHNICAL INVESTIGATION, PROPOSED RETAINING WALLS, 73 SEACLIFF DRIVE, APTOS, CA, APN 042-341-08," DATED MAY 25, 2023, PROJECT No 23013. THE CONTRACTOR SHALL MAKE A THOROUGH REVIEW OF THIS REPORT AND SHALL FOLLOW ALL RECOMMENDATIONS THEREIN. THE CONTRACTOR SHALL CONTACT ROCK SOLID ENGINEERING INC. FOR ANY CLARIFICATIONS NECESSARY PRIOR TO PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL GRADE TO THE LINE AND ELEVATIONS SHOWN ON THE PLAN AND SHALL SECURE THE SERVICES OF A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER TO PROVIDE STAKES FOR LINE AND GRADE.
5. THE GEOTECHNICAL ENGINEER SHOULD BE NOTIFIED AT LEAST FOUR (4) DAYS PRIOR TO ANY SITE CLEARING AND GRADING OPERATIONS.
6. STRIPPED AREAS SHOULD BE SCARIFIED TO A DEPTH OF ABOUT 6", WATER-CONDITIONED TO BRING THE SOILS WATER CONTENT TO ABOUT 2% ABOVE THE OPTIMUM, AND COMPACTED TO A DENSITY EQUIVALENT TO AT LEAST 90% OF THE MAXIMUM DRY DENSITY OF THE SOIL ACCORDING TO ASTM D1557 (LATEST EDITION). SUBGRADES AND AGGREGATE BASE ROCK FOR PAVEMENTS SHOULD BE COMPACTED TO A MINIMUM OF 95%.
7. ENGINEERED FILL SHOULD BE PLACED IN THIN LIFTS NOT EXCEEDING 8" IN LOOSE THICKNESS, MOISTURE CONDITIONED, AND COMPACTED TO AT LEAST 90% RELATIVE COMPACTION.
8. MATERIAL USED FOR ENGINEERED FILL SHALL MEET THE REQUIREMENTS OF THE AFOREMENTIONED REPORTS BY ROCK SOLID ENGINEERING INC..
9. IMPORTED FILL MATERIAL USED AS ENGINEERED FILL FOR THE PROJECT SHALL MEET THE REQUIREMENTS OF THE AFOREMENTIONED GEOTECHNICAL INVESTIGATION.
10. ALL FILL MATERIAL SHALL BE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER PRIOR TO JOBSITE DELIVERY AND PLACEMENT. NO EARTHWORK OPERATIONS SHALL BE PERFORMED WITHOUT THE DIRECT OBSERVATION AND APPROVAL OF THE GEOTECHNICAL ENGINEER.
11. BARE GROUND WITHIN 10' OF FOUNDATIONS SHALL BE SLOPED AWAY @ 5% MINIMUM OR 2% MINIMUM FOR PAVED SURFACES.

STORM DRAIN SYSTEM MAINTENANCE

THE HOME OWNER IS RESPONSIBLE FOR MAINTAINING THE STORM DRAINAGE SYSTEM AND ALL COMPONENTS. EVERY YEAR, PRIOR TO THE WET WEATHER SEASON (OCTOBER 15TH) ALL THE CATCH BASINS AND STORM DRAIN CLEANOUTS SHALL BE INSPECTED AND CLEANED OF ANY DEBRIS, SILT, TRASH AND SEDIMENT.

STORM DRAINAGE NOTES

1. CULVERTS SHALL BE POLYVINYL CHLORIDE (PVC SDR35), HIGH DENSITY POLYETHYLENE (HDPE ADS N12 OR EQUAL), OR REINFORCED CONCRETE PIPE (RCP), AND SHALL HAVE A SMOOTH INTERIOR CONFORMING TO SECTION E - STORM DRAINAGE FACILITIES OF COUNTY OF SANTA CRUZ DESIGN CRITERIA.
2. INLETS SHALL BE CHRISTY CONCRETE PRODUCTS OR APPROVED EQUAL WITH SMOOTH CONCRETE BOTTOM.

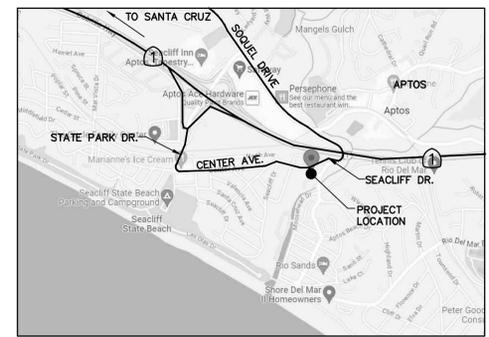
APPROXIMATE EARTHWORK QUANTITIES

SITE GRADING	CUBIC YARDS	
	CUT	FILL
	>10	100 FILL

- NOTES:
1. EARTHWORK QUANTITIES ARE APPROXIMATE AND SHALL BE INDEPENDENTLY VERIFIED BY THE CONTRACTOR FOR BIDDING PURPOSES.
 2. EARTHWORK VOLUMES REQUIRED TO CONSTRUCT THE FOUNDATIONS HAVE NOT BEEN INCLUDED.
 3. EXCESS SOIL SHALL BE HAULED OR PLACED IN A COUNTY APPROVED LOCATION.

SMOKE/CARBON MONOXIDE DETECTORS

SMOKE DETECTORS AND CARBON MONOXIDE ALARMS ARE REQUIRED IN EACH SLEEPING ROOM, ON EACH FLOOR LEVEL, AND OUTSIDE OF EACH AREA ON EACH FLOOR LEVEL. COMBINATION ALARMS ARE PERMITTED.



VICINITY MAP
NTS

LEGEND

- (E) AB
- (E) AC
- (E) CONCRETE
- (E) RETAINING WALL
- PROPERTY LINE
- SETBACK LINE
- PROPOSED LIMIT OF GRADING
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE SWALE
- PROPOSED SUBDRAIN
- PROPOSED SD
- PROPOSED SDCO
- PROPOSED CB

ABBREVIATIONS

- BW BOTTOM OF WALL
- CB CATCH BASIN
- CONST CONSTRUCT
- DIA. DIAMETER
- DS DOWNSPOUT
- DTL DETAIL
- DWY DRIVEWAY
- (E) EXISTING
- EL ELEVATION
- EOP EDGE OF PAVEMENT
- FF FINISH FLOOR
- FG FINISH GRADE
- FS FIRE SERVICE
- HP HIGH POINT
- INV INVERT
- LF LINEAR FEET
- LP LOW POINT
- MAX MAXIMUM
- N.T.S. NOT TO SCALE
- RW RETAINING WALL
- RIM RIM ELEVATION
- S SLOPE
- SCCO COUNTY OF SANTA CRUZ
- SSCO SANITARY SEWER CLEANOUT
- SDCO STORM DRAIN CLEANOUT
- TYP TYPICAL
- TW TOP OF WALL
- WS WATER SERVICE

TOPOGRAPHIC SURVEY

THE TOPOGRAPHIC SURVEY AND BOUNDARY INFORMATION PROVIDED HEREON WAS COMPLETED BY BEAUTZ CIVIL ENGINEERING & LAND SURVEY. RI ENGINEERING INC. MAKES NO GUARANTEE AS TO THE ACCURACY OF BOTH. THE CONTRACTOR SHALL VERIFY THE BOUNDARY LOCATION AND TOPOGRAPHIC INFORMATION PRIOR TO COMMENCING WORK.

BASIS OF BEARINGS

ESTABLISHED BETWEEN MONUMENTS FOUND AS NOTED ALONG THE CENTERLINE OF FOREST DRIVE, AND AS SAID MONUMENTS AND BEARING ARE SHOWN ON CORNER RECORD No. 412.

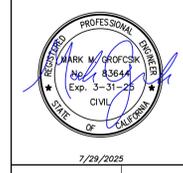
BASIS OF ELEVATION

MANHOLE COVER USED FOR ASSUMED ELEVATION=30.0'.

SCOPE OF WORK

UNDER EMERGENCY PERMIT 241285, CONSTRUCT A 38 LINEAR FOOT SOLDIER PILE WALL WITH A MAX HEIGHT OF 10'.
OCCUPANCY TYPE IS RESIDENTIAL R-3
CONSTRUCTION TYPE IS V

REVISED PER COUNTY COMMENTS, 2/24/2025
REVISED PER COUNTY COMMENTS, 5/2/2025



RI Engineering, Inc.
303 Potrero St., Suite 42-202, Santa Cruz, CA 95060
831-425-3901 www.riengineering.com

RETAINING WALL DESIGN
FOR
BRUCE RAK
73 SEACLIFF DRIVE, APTOS
SANTA CRUZ COUNTY
APN 042-341-08
GRADING & DRAINAGE PLAN

project no. 23-044-1
date JULY 2025
scale AS SHOWN
dwg name CIVIL3.DWG

C-1

GENERAL NOTES

- THE CONTRACTOR SHALL MAKE A DETAILED AND THOROUGH STUDY OF THESE PLANS IN THEIR ENTIRETY PRIOR TO ANY WORK ON THE JOBSITE. THE CONTRACTOR IS TO VERIFY ALL EXISTING CONSTRUCTION CONDITIONS AND IS TO COORDINATE THESE DRAWINGS WITH ALL OTHER TRADE DISCIPLINES FOR THE COMPLETED WORK. THE CONTRACTOR IS ALSO TO UNDERSTAND THAT ANY FEATURE OF CONSTRUCTION NOT FULLY SHOWN OR DETAILED SHALL BE OF THE SAME TYPE AS SHOWN FOR SIMILAR CONDITIONS.
- THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY DISCREPANCY OCCURRING ON THE DRAWINGS OR FOUND IN HIS COORDINATING WORK. NO CHANGES IN APPROVED PLANS SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE PROJECT ENGINEER AND THE COUNTY OF SANTA CRUZ DEPARTMENT OF PUBLIC WORKS.
- ANY REQUEST FOR ALTERATIONS OR SUBSTITUTIONS MUST BE PRESENTED DIRECTLY TO THE PROJECT ENGINEER, ACCOMPANIED BY A DETAILED SKETCH, FOR REVIEW, BEFORE ANY APPROVAL WILL BE GIVEN AND BEFORE PROCEEDING WITH THE WORK. ABSOLUTELY NO ALTERATIONS OF THESE DOCUMENTS OF ANY KIND WILL BE APPROVED ON ANY SHOP DRAWINGS.
- ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS (CALTRANS), LATEST EDITION, THE COUNTY OF SANTA CRUZ DESIGN CRITERIA AND ALL APPLICABLE CODES AND ORDINANCES.
- THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THE PLANS WERE OBTAINED FROM RECORD DRAWINGS AND MAY NOT REPRESENT TRUE LOCATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND DEPTH OF THESE UTILITIES PRIOR TO CONSTRUCTION, AND TO NOTIFY THE PROJECT ENGINEER IN CASE OF CONFLICT.
- THE CONTRACTOR SHALL SECURE ALL REQUIRED CONSTRUCTION PERMITS FROM THE COUNTY OF SANTA CRUZ PRIOR TO THE START OF WORK.
- CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD PROJECT ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE PROJECT ENGINEER.
- GRADING SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL INVESTIGATIONS AND THE REQUIREMENTS OF THE COUNTY OF SANTA CRUZ.
- THE CONTRACTOR SHALL NOTIFY THE COUNTY GRADING INSPECTOR, GEOTECHNICAL ENGINEER, THE CIVIL ENGINEER, & THE COUNTY CONSTRUCTION ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- WORK SHALL BE LIMITED TO 8:00 A.M. TO 5:00 P.M. WEEKDAYS. NON-NOISE PRODUCING ACTIVITIES, SUCH AS INTERIOR PAINTING, SHALL NOT BE SUBJECT TO THIS RESTRICTION.
- ALL FIGURE (FIG.) REFERENCES, UNLESS OTHERWISE SPECIFIED, REFER TO STANDARD DRAWINGS IN THE CURRENT EDITION OF THE "COUNTY OF SANTA CRUZ DESIGN CRITERIA."
- NO LAND CLEARING, GRADING OR EXCAVATING SHALL TAKE PLACE BETWEEN OCTOBER 15 AND APRIL 15 UNLESS THE PLANNING DIRECTOR APPROVES A SEPARATE WINTER EROSION CONTROL PLAN.
- BETWEEN OCTOBER 15 AND APRIL 15, EXPOSED SOIL SHALL BE PROTECTED FROM EROSION AT ALL TIMES. DURING CONSTRUCTION SUCH PROTECTION MAY CONSIST OF MULCHING AND/OR PLANTING OF NATIVE VEGETATION OF ADEQUATE DENSITY. BEFORE COMPLETION OF THE PROJECT, ANY EXPOSED SOIL ON DISTURBED SLOPES SHALL BE PERMANENTLY PROTECTED FROM EROSION.
- THE CONTRACTOR SHALL APPLY WATER TO ALL EXPOSED EARTH SURFACES AT INTERVALS SUFFICIENT TO PREVENT AIRBORNE DUST FROM LEAVING THE PROJECT SITE. ALL EXPOSED EARTH SHALL BE WATERED DOWN AT THE END OF THE PROJECT DAY.
- WHILE IN TRANSIT TO AND FROM THE WORK SITE, ALL TRUCKS TRANSPORTING FILL SHALL BE EQUIPPED WITH TARPS.
- PURSUANT TO SECTIONS 16.40.040 AND 16.42.100 OF THE COUNTY CODE, IF AT ANY TIME DURING SITE PREPARATION, EXCAVATION, OR OTHER GROUND DISTURBANCE ASSOCIATED WITH THIS DEVELOPMENT, ANY ARTIFACT OR OTHER EVIDENCE OF AN HISTORIC ARCHAEOLOGICAL RESOURCE OR A NATIVE AMERICAN CULTURAL SITE IS DISCOVERED, THE RESPONSIBLE PERSONS SHALL IMMEDIATELY CEASE AND DESIST FROM ALL FURTHER SITE EXCAVATION AND NOTIFY THE SHERIFF-CORONER IF THE DISCOVERY CONTAINS HUMAN REMAINS, OR THE PLANNING DIRECTOR IF THE DISCOVERY CONTAINS NO HUMAN REMAINS. THE PROCEDURES ESTABLISHED IN SECTIONS 16.40.010 AND 16.42.100, SHALL BE OBSERVED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF CONSTRUCTION QUANTITIES PRIOR TO BIDDING ON ANY ITEM. QUANTITY REFERENCES SHOWN ON THESE PLANS, OR ENGINEER'S ESTIMATES ARE FOR ESTIMATING PURPOSES ONLY AND SHALL NOT BE CONSIDERED AS A BASIS FOR CONTRACTOR PAYMENT. CONSULTANT SHALL NOT BE RESPONSIBLE FOR ANY FLUCTUATIONS IN SUCH QUANTITIES AND ESTIMATES.
- THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO, OR USES OF THESE PLANS. ALL CHANGES MUST BE IN WRITING AND MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- UNDERGROUND UTILITY LOCATIONS SHOWN ARE COMPILED FROM INFORMATION SUPPLIED BY UTILITY AGENCIES, AND ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY LOCATIONS OF AFFECTED UTILITY LINES PRIOR TO ANY TRENCHING OR EXCAVATING AND POTHOLE THOSE AREAS WHERE POTENTIAL CONFLICTS EXIST OR WHERE DATA IS OTHERWISE INCOMPLETE. FOR LOCATION, CALL USA 1-800-624-1444.
- ANY EXISTING UTILITIES THAT ARE REQUIRED TO BE RELOCATED AS A PART OF THIS CONSTRUCTION SHALL BE RELOCATED AT THE OWNER'S EXPENSE.

County of Santa Cruz
Community Development & Infrastructure
201 Ocean Street 4th Floor, Santa Cruz, CA 95060
www.cdc.santacruzcountyca.gov

Special Inspections Form PLG-240
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A. Statement of Special Inspections
This form lists agencies responsible for inspections whether a graphic, typewritten, or handwritten. Documents may not be restricted by digital signatures or otherwise.

Permit No. APN: 042-343-08
Project Address: 73 Seaciff Drive, Aptos, CA 95023
Note: A completed PLG-240 is required on a plan sheet(s), see Form Submittal below.

2022 California Building Code
This form lists aspects of the project that require special inspection and testing as indicated in the California Building Code Section 1704 and 1705 and defines duties and responsibilities of parties involved in the project.

Form Submittal: The Owner or Owner's Agent, on the advice of the Registered Design Professional in Responsible Charge, must complete this form, secure signatures by all parties, and incorporate all items into the plan sheet(s) for review (even if duplicating similar information).

Duties & Responsibilities: The Owner and Contractor acknowledge assignment of the following duties, responsibilities, and conditions applicable to special inspection or testing:
Owner:
1. Ensure that construction complies with the approved permit documents and implements the program of special inspections.
Contractor:
1. Ensure proper notification to the special inspection or testing agency for items listed herein.
2. Review the Building Division approved permit documents for additional inspection or testing requirements. A pre-construction conference at the job site is recommended to review special inspection procedures.

Special Inspection/Testing Agency:
1. Provide copies of all laboratory reports and inspections to the Building Division and Registered Design Professional in Responsible Charge on a weekly basis. Only the testing laboratory may take samples and transport them to their laboratory.
2. Submit for the Building Division's approval an Inspector List that shows the names and qualifications of on-site special inspectors who are NOT on the County's approved list.
3. Provide each special inspector with an identification badge that includes:
- Name and photograph
- A statement that the inspector is qualified to inspect
- An authorization signature by the Registered Engineer who is a full-time employee of the agency
4. Provide the Final Report of Special Inspections that documents required special inspections and correction of discrepancies noted in 1705.2. A final report is required before an occupancy permit can be issued.

Special Inspector:
1. Must have their badge visible when performing their duties.
2. Must immediately notify the County Building Division upon encountering any concerns or problems.
3. Must use only the County Building Division's approved permit documents.

Acknowledgements (initial and date only)
Registered Design Professional in Responsible Charge
Name: Mark Groffick, PE Signature: [Signature] Date: 8/12/2024
Owner's Authorization
Name: Bruce W. Rake Signature: [Signature] Date: 8/15/2024
Contractor
Name: Dan Palumbo / DP Construction Signature: [Signature] Date: 8/15/2024
Responsible Employee of the Testing Agency
Name: [Name] Signature: [Signature] Date: [Date]
Geotechnical Inspector
Name: Yvette Watson/Rock Solid Engineering, Inc. Signature: [Signature] Date: 8/14/2024

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B. Special Inspection Agency, Material Testing Lab, Geotechnical
Firm Name: Rock Solid Engineering, Inc. Firm Name:
Phone: (831)724-5868 Phone:
Email: office@rocksolideng.com Email:
Responsibility: Geotechnical Responsibility:

Firm Name: Firm Name:
Phone: Phone:
Email: Email:
Responsibility: Responsibility:

Firm Name: Firm Name:
Phone: Phone:
Email: Email:
Responsibility: Responsibility:

C. Contractor's Statement of Responsibility - CBC 1704.4
California Building Code (CBC) Section 1704.4 requires the contractor responsible for the construction of a main wind or seismic force resisting system, designated seismic system, or a wind or seismic resisting component to submit a written statement of responsibility to the Building Official and the Owner prior to the commencement of work on the system or component. The Contractor hereby acknowledges his responsibility regarding special inspections as described in the Summary of Special Inspections & Tests, Inspection Schedule, and County issued documentation and as prepared by the engineer of record or the registered design professional per the requirements of California Building Code Section 1704.3.

Acknowledgment Please print name, sign, & enter date.
Contractor: California License No. 93573-32 I am aware of the requirements and responsibilities.
Name: Dan Palumbo / DP Construction Signature: [Signature] Date: 8/15/2024

Seismic Requirements - CBC 1704.3.2
The extent of the seismic force-resisting system is defined in more detail in the construction documents.
Describe the seismic force-resisting system and designated seismic systems subject to special inspections per Section 1705.13:
n/a

Wind Requirements - CBC 1704.3.3
The extent of the main wind force-resisting system and wind resisting components is defined in more detail in the construction documents.
Describe the main wind force-resisting system & designated wind resisting components subject to special inspections per Section 1705.12:
n/a

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D. Summary Of Special Inspections & Tests
Identify special inspections/tests required by CBC chapter 17 for this project.
Additional detail regarding inspections and tests is provided in the project specifications or notes on the drawings.
Describe and mark each required inspection/test as "C" or "P" or both as appropriate. Key: C -> Continuous P -> Periodic

Inspection/Test Categories	Inspection/Test Descriptions	C	P
Special Cases - 1705.1.1			
Structural Steel - 1705.2.1	Verification of materials and inspect fillet welds < 5/16"		<input checked="" type="checkbox"/>
Cold-Formed Steel Deck - 1705.2.2			
Open-Web Steel Joists & Joist Girders - 1705.2.3			
Cold-Formed Steel Trusses Span > 60 feet - 1705.2.4			
Concrete - 1705.3			
Masonry - 1705.4	Level 1 TMS 602 Tables 3, 4 Level 2 or 3 TMS 602 Tables 3, 4		
Wood - 1705.5			
Soils - 1705.6	Verify fill materials and fill placement	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Driven Deep Foundation Elements - 1705.7	Inspect drilling operations including depth and location of piers	<input checked="" type="checkbox"/>	
Cast-in-Place Deep Foundation Elements - 1705.8	Helical Pile Foundations - 1705.9		
Wind Resistance - 1705.12			
Seismic Resistance - 1705.13			
Testing for Seismic Resistance - 1705.14			
Sprayed Fire-Resistant Materials - 1705.15			
Mastic & Intumescent Coatings - 1705.16			
Exterior Insulation & Finish Systems (EIFS) - 1705.17			
Fire-Resistant Penetrations & Joints - 1705.18			
Smoke Control Systems - 1705.19			
Sealing of Mass Timber - 1705.20			
Other tests, inspections, or special instructions:			

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E. Special Inspection & Testing Agencies Recognized by Santa Cruz County Building Division
Agencies may not be qualified to perform all aspects of special inspection, and have not been evaluated for geotechnical inspection.
(1) Agencies may have offices in more than one location. (2) Other agencies may be approved by Santa Cruz County Planning Department's Building Inspection Division.

Agency Name	Address	Phone/Fax	RC	PC	SM	SW	HSB	NDT	SWC	FP	Expiration
ACE Quality Control	1830 Vernon St., Suite #7 San Jose, CA 95128	(916) 742-5096 (510) 241-9935	X	X	X	X	X	X	X	X	4/5/2025
Achievement Engineering Corp.	2455 Autumnvale Dr., Unit E San Jose, CA 95131	(408) 217-9174 (408) 217-9632	X	X	X	X	X	X	X	X	5/16/2025
Advanced Testing & Inspection (ATI)	540 Brunken Ave., Ste. B Salinas, CA 95051	(831) 422-2272 (831) 597-2004	X	X	X	X	X	X	X	X	10/1/2022
Apex Testing Labs, Inc.	1790 Yosemite Ave San Francisco, CA 94124	(415) 550-9800 (415) 550-9880	X	X	X	X	X	X	X	X	5/3/2025
Applied Materials & Engineering	460 41st Street Oakland, CA 94608	(510) 420-8190 (510) 420-8196	X	X	X	X	X	X	X	X	4/11/2025
Aries Engineering	5337 Persimmon Grove Ct San Jose, CA 95123	(408) 634-0267	X	X	X	X	X	X	X	X	10/10/2026
BAGG Engineers	138 Charon Ave. San Jose, CA 95131	(650) 852-9133 (650) 852-9138	X	X	X	X	X	X	X	X	10/13/2026
Berigar, Stevens and Associates	5587 Sunol Boulevard Pleasanton, CA 94566	(925) 484-0220 (925) 446-9645	X	X	X	X	X	X	X	X	9/4/2021
Biggs Cardosa Associates, Inc.	4605 The Alameda San Jose, CA 95126	(408) 296-5515 (408) 296-8114	X	X	X	X	X	X	X	X	1/14/2024
B.S.K. Associates	399 Lindbergh Ave Livermore, CA 94551	(925) 315-3151 (925) 315-3152	X	X	X	X	X	X	X	X	5/1/2025
Consolidated Engineering Labs	2701 Crow Canyon Rd., Ste 100 San Ramon, CA 94583	(925) 344-7100 (925) 855-7140	X	X	X	X	X	X	X	X	4/8/2025
Construction Testing Services (CTS)	2118 Rhenon Drive Pleasanton, CA 94558	(925) 462-5183 (925) 462-5151	X	X	X	X	X	X	X	X	3/24/2026
CTE Cal, Inc.	46716 Fremont Boulevard Fremont, CA 94538	(510) 573-6382 (510) 573-6684	X	X	X	X	X	X	X	X	12/9/2025
Earth System Pacific	48511 Warm Springs Blvd, Ste. 210 Fremont, CA 94539	(510) 353-3833 (888) 561-4292	X	X	X	X	X	X	X	X	3/3/2024
ENGO Incorporated	2010 Crow Canyon Pl., Ste 250 San Ramon, CA 94583	(925) 866-9000 (888) 279-2998	X	X	X	X	X	X	X	X	8/7/2022
Geissler Engineering	235 Montgomery St., Ste. 1011 San Francisco, CA 94104	(415) 992-9393	X	X	X	X	X	X	X	X	10/5/2023
Geokon Consultants, Inc.	6671 Brita Street Livermore, CA 94550	(925) 371-5900 (925) 371-5915	X	X	X	X	X	X	X	X	10/7/2023
HP Inspections	690 Sunol Street, Bldg. H San Jose, CA 95126	(408) 288-8460 (408) 271-0902	X	X	X	X	X	X	X	X	1/27/2024
Inspection Services Inc.	1798 University Avenue Berkeley, CA 94703	(415) 243-3265 (415) 243-3266	X	X	X	X	X	X	X	X	2/8/2026
Kleinfelder Inc.	2001 Barrington Ct Hayward, CA 94545	(925) 484-1700	X	X	X	X	X	X	X	X	7/30/2022
Korbmacher Engineering Inc.	480 Preston Court, Ste. B Livermore, CA 94551	(925) 454-9033 (925) 454-9051	X	X	X	X	X	X	X	X	2/2/2024
Krazan and Associates Inc.	1061 Serpentine Lane, Ste. F Pleasanton, CA 94566	(925) 307-1160 (925) 307-1161	X	X	X	X	X	X	X	X	3/2/2024
Matriscopo Engineering Lab, Inc.	6244 Preston Ave Livermore, CA 94551	(510) 763-3601 (916) 373-6700	X	X	X	X	X	X	X	X	5/16/2025

County of Santa Cruz
Community Development & Infrastructure
201 Ocean Street 4th Floor, Santa Cruz, CA 95060
www.cdc.santacruzcountyca.gov

Special Inspections Form PLG-240
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E. Special Inspection & Testing Agencies Recognized by Santa Cruz County Building Division
Agencies may not be qualified to perform all aspects of special inspection, and have not been evaluated for geotechnical inspection.
(1) Agencies may have offices in more than one location. (2) Other agencies may be approved by Santa Cruz County Planning Department's Building Inspection Division.

Agency Name	Address	Phone/Fax	RC	PC	SM	SW	HSB	NDT	SWC	FP	Expiration
Mid Pacific Engineering, Inc. MPE	4200 N. Freeway Blvd., Ste. 5 Roseville, CA 95614	(916) 927-7000	X	X	X	X	X	X	X	X	6/2/2026
Nichols Engineering	6743 Dublin Boulevard, #15 Dublin, CA 94568	(925) 829-8090 (925) 829-0235	X	X	X	X	X	X	X	X	5/9/2026
Niryo & Moore	1956 Webster Street, Ste. 400 Oakland, CA 94612	(510) 633-5640 (510) 633-5646	X	X	X	X	X	X	X	X	5/20/2024
NORCON LLC	1661 Tennessee St., Ste. 201 San Francisco, CA 94107	(415) 710-1155	X	X	X	X	X	X	X	X	10/6/2026
Pacific Crest Engineering, Inc.	444 Airport Blvd., Ste. 106 Watsonville, CA 95076	(831) 722-9446 (831) 722-9158	X	X	X	X	X	X	X	X	1/7/2022
Professional Service Industries, Inc.	380 Tennant Ave., Ste. 3 Morgan Hill, CA 95037	(408) 669-5500	X	X	X	X	X	X	X	X	3/26/2022
RES Engineers, Inc.	1250 Missouri Street, Ste. 207 San Francisco, CA 94107	(415) 822-4625 (415) 822-8925	X	X	X	X	X	X	X	X	8/8/2026
RMA Group	3150 Fitzgerald Rd San Jose, CA 95112	(408) 362-4920 (408) 362-4926	X	X	X	X	X	X	X	X	7/14/2026
Sigma Engineering Laboratories, Inc.	1180 4th Street #520 San Francisco, CA 94118	(415) 702-8374 (628) 999-0377	X	X	X	X	X	X	X	X	9/17/2026
Sigmet Testing Laboratories	3526 Breakwater Court Hayward, CA 94545	(510) 887-8484 (510) 783-4255	X	X	X	X	X	X	X	X	1/11/2025
Smith-Emery Company	Box 880550, Hunters Pt. Shipyard, Bldg. 114, San Francisco, CA 94188	(415) 642-7326 (415) 642-7055	X	X	X	X	X	X	X	X	8/1/2026
Stevens Ferrone & Bailey	1600 Willow Pass Court Concord, CA 94520	(925) 688-1001 (925) 688-1005	X	X	X	X	X	X	X	X	7/31/2026
Structure Groups	2192 Riverwood Drive Livermore, CA 94550	(925) 447-9901	X	X	X	X	X	X	X	X	7/14/2022
Summit Associates	2300 Clayton Road, Ste. 1380 Concord, CA 94520	(925) 363-5560 (925) 363-5511	X	X	X	X	X	X	X	X	12/12/2022
Terracon Consultants, Inc.	5075 Commercial Circle, Ste. E Concord, CA 94520	(925) 348-9057	X	X	X	X	X	X	X	X	4/9/2024
Testing Engineers Inc.	2811 Teagarden Street San Leandro, CA 94577	(510) 893-3142 (510) 834-3777	X	X	X	X	X	X	X	X	10/25/2024
Training	1572 Santa Ana Avenue Sacramento, CA 95838	(916) 921-8532	X	X	X	X	X	X	X	X	2/2/2024
Valley Inspection	326 Woodrow Avenue Vallejo, CA 94591	(707) 552-7037 (707) 552-7022	X	X	X	X	X	X	X	X	6/6/2025
Wallace-Kuhl & Associates, Inc.	3050 Industrial Blvd West Sacramento, CA 95691	(916) 372-1434 (916) 372-2565	X	X	X	X	X	X	X	X	8/21/2023

POST CONSTRUCTION STORM DRAIN SYSTEM MAINTENANCE SCHEDULE

ITEM	INTERVAL	INSPECTION	REPAIR
CATCH BASINS & AREA DRAINS	ANNUAL & STORMS	1. INSPECT INLET & REMOVE GRATE (IF REQUIRED) 1.1. INSPECT FOR BUILDUP OF TRASH, DEBRIS, SEDIMENT, LEAVES AND GRASSES 1.2. INSPECT PIPE INLET AND OUTLET CONDITIONS 2. IF REQUIRED, HOSE FILL CATCH BASIN WITH WATER AND CONFIRM POSITIVE FLOW TO DOWNSTREAM OUTLET	1. REMOVE SEDIMENT, TRASH, DEBRIS, ETC. 2. REPLACE BROKEN/DAMAGED GRATES AND REQUIRED 3. SNAKE/UNJLOG PIPES AS REQUIRED.
DRAINAGE SWALES	ANNUAL & STORMS	1. INSPECT FOR WASHOUTS & EROSION OF SWALE SURFACE OR LINER 1.1. RILLS/EROSION OF SOIL 1.2. DISPLACEMENT OF RIPRAP 1.3. DAMAGED LINER 1.4. WASHOUT OF SWALE SIDESLOPES 2. ACCUMULATION OF TRASH & DEBRIS	1. REPAIR SWALE WASHOUTS AS NEEDED 2. REPAIR DAMAGED SLOPES & FABRIC. 3. REMOVE TRASH & LOOSE DEBRIS 4. ADD ADDITIONAL RIPRAP DOWNSTREAM
RIPRAP PADS AND OUTLETS	ANNUAL	1. DISPLACEMENT OF RIP RAP & UNDERLYING FABRIC 2. ACCUMULATION OF TRASH & DEBRIS 3. DOWNHILL EROSION	1. REPLACE RIP RAP, REPAIR FABRIC 2. REPAIR DAMAGED SLOPES & FABRIC. 3. REMOVE TRASH & LOOSE DEBRIS 4. ADD ADDITIONAL RIPRAP DOWNSTREAM
STORMDRAINS AND CULVERTS	ANNUAL	1. CHECK STORMDRAINS ARE FLOWING DURING STORM EVENTS 2.1. IF REQUIRED, HOSE FILL CATCH BASIN WITH WATER AND CONFIRM POSITIVE FLOW TO DOWNSTREAM OUTLET 3. CHECK VISIBLE PORTIONS OF PIPE FOR DETERIORATION OR RUST IF METAL 4. CHECK FOR BROKEN OR CRUSHED PIPES (DEPRESSIONS IN SOIL/PAVEMENT ABOVE PIPE RUN) 5. INLETS AND OUTLETS FREE OF DEBRIS AND SEDIMENT	1. REMOVE SEDIMENT AND DEBRIS FROM PIPE INLETS 2. SNAKE/UNJLOG PIPES AS REQUIRED 3. REPLACE SEVERELY DAMAGED PIPES AS REQUIRED 4. RELINE PIPES THAT HAVE CORRODED OR RUSTED OUT

REVISOR PER COUNTY COMMENTS, 2/24/2025

REVISOR PER COUNTY COMMENTS, 5/2/2025

PROFESSIONAL ENGINEER
MARK W. FERRONE
No. 4364
Exp. 3-31-25
CIVIL
STATE OF CALIFORNIA
7/29/2025

RJ Engineering, Inc.
303 Potrero St., Suite 42-202, Santa Cruz, CA 95060
831-425-3901 www.rjengineering.com

RETAINING WALL DESIGN
FOR
BRUCE RAKE
73 SEACLIFF DRIVE, APTOS
SANTA CRUZ COUNTY
APN 042-341-08

GENERAL NOTES & SPECIAL INSPECTION FORMS

project no. 23-044-1
date JULY 2025
scale AS SHOWN
dwg name CIVIL3.DWG

C-2

SPECIFICATIONS

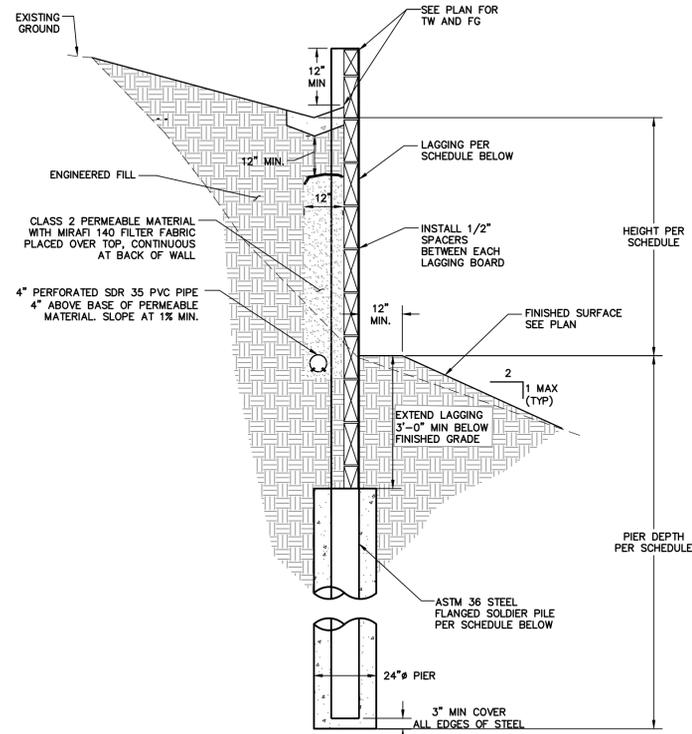
1. CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORDANCE WITH CBC SECTION 1905 AND ACI 301.
2. CONCRETE SHALL BE TYPE HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH OF 2500 PSI. CONCRETE SHALL HAVE A MAXIMUM WATER TO CEMENT RATIO OF 0.50.
3. PRESERVATIVE TREATMENT OF LUMBER SHALL CONFORM TO THE REQUIREMENTS OF SECTION 58 OF THE CALTRANS STANDARD SPECIFICATIONS. CUT ENDS AND EXPOSED PORTIONS OF PRESSURE TREATED LUMBER SHALL BE IMMERSA A MINIMUM OF 6" INTO PRESERVATIVE SOLUTION FIELD TREATED TO MEET AWWA U1 STANDARDS.
4. STRUCTURAL STEEL SHALL CONFORM TO ASTM DESIGNATION A36 AND SHALL HAVE A MINIMUM ALLOWABLE BENDING STRESS OF 36,000 PSI. BOLTED AND WELDED CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA BUILDING CODE AND THESE SPECIFICATIONS.
5. DOCUMENTATION SHALL BE PROVIDED TO THE BUILDING OFFICIAL THAT I-BEAM SOLDIER PILES COMPLY WITH THE REQUIREMENTS OF THE AISC 360 AS SPECIFIED IN CBC, SEC. 2205.1.
6. WELDED CONNECTIONS SHALL MEET THE REQUIREMENTS OF FEMA 350 AND THE 2022 CALIFORNIA BUILDING CODE CHAPTER 22, "STEEL"
7. ALL NAILS AND ANCHOR BOLTS THAT WILL BE IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153. FASTENERS AND CONNECTORS EXPOSED TO WET WEATHER SHALL BE STAINLESS STEEL, TYPE A304

RETAINING WALL SCHEDULE			
RETAINED HEIGHT "H" (FT)	PIER SPACING (FT O.C.)	PIER EMBEDMENT (FT)	H-PILE STEEL SECTION
8-10 w/ 2:1 BACKSLOPE	6	14	W16x89
8-10 w/ LEVEL BACKSLOPE	8	12	W16x57
6-8	8	10	W16x45
0-6	8	8	W12x26
0-4	12	8	W12x26

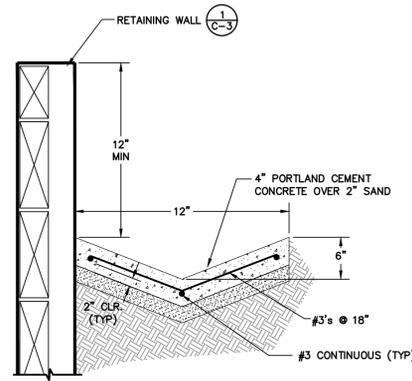
NOTE: MINIMUM PIER EMBEDMENT DEPTH MUST BE 2 FEET INTO BEDROCK.

RETAINING WALL LAGGING SCHEDULE

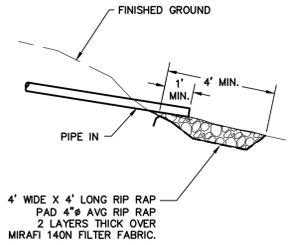
DEPTH FROM TOP OF WALL (FEET)	LUMBER DIMENSION
4'-0"	3x12
8'-0"	4x12
10'-0"	6x12



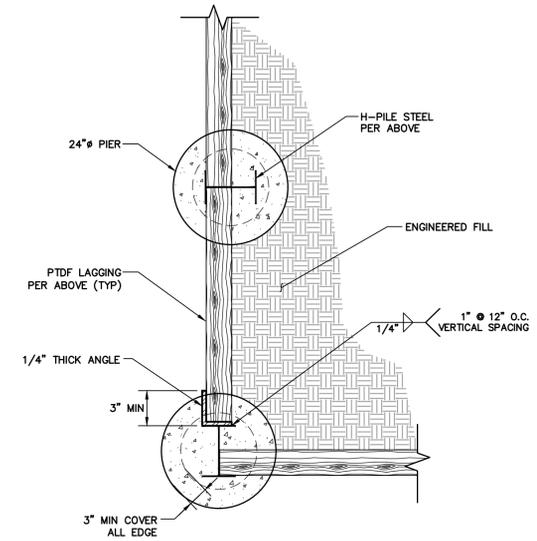
SITE RETAINING WALL 1 C-1 NTS



CONCRETE SWALE DETAIL 2 C-3 NTS



RIP RAP PAD DETAIL 3 C-3 NTS



CORNER PIER DETAIL 4 C-3 NTS

REVISOR PER COUNTY COMMENTS: 2/24/2025.

REVISOR PER COUNTY COMMENTS: 5/2/2025



7/29/2025



RI Engineering, Inc.

303 Potrero St., Suite 42-202, Santa Cruz, CA 95060
831-425-3901 www.riengineering.com

RETAINING WALL DESIGN
FOR
BRUCE RAK
73 SEACLIFF DRIVE, APTOS
SANTA CRUZ COUNTY
APN 042-341-08
DETAILS

project no.

23-044-1

date

JULY 2025

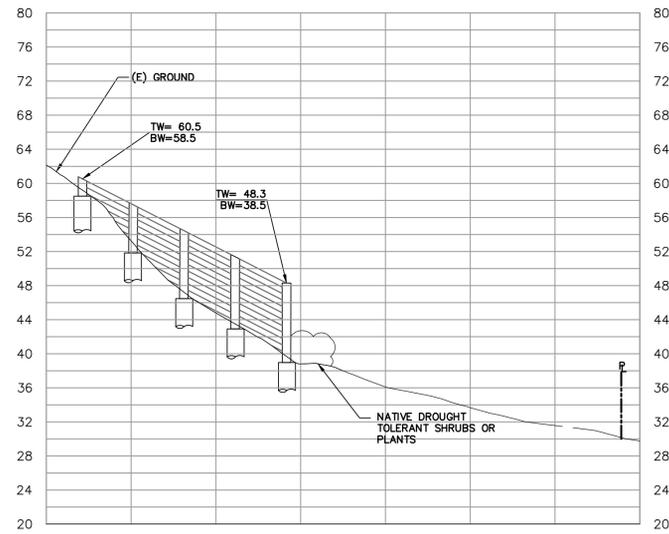
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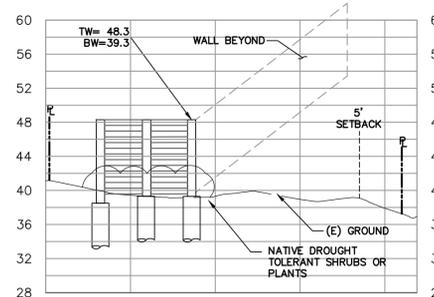
dwg name

CIVIL3.DWG

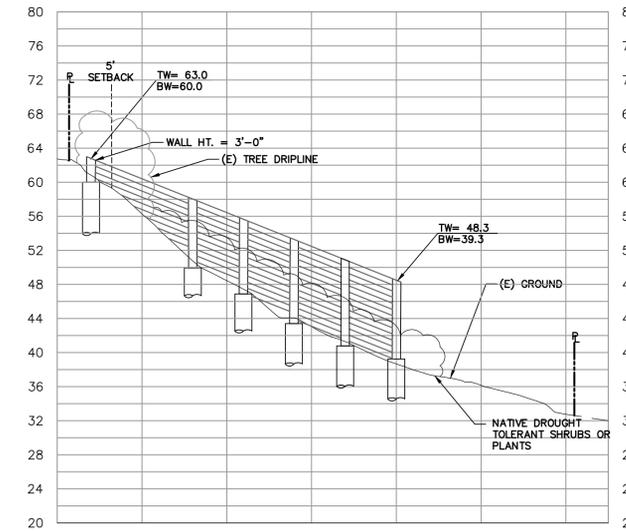
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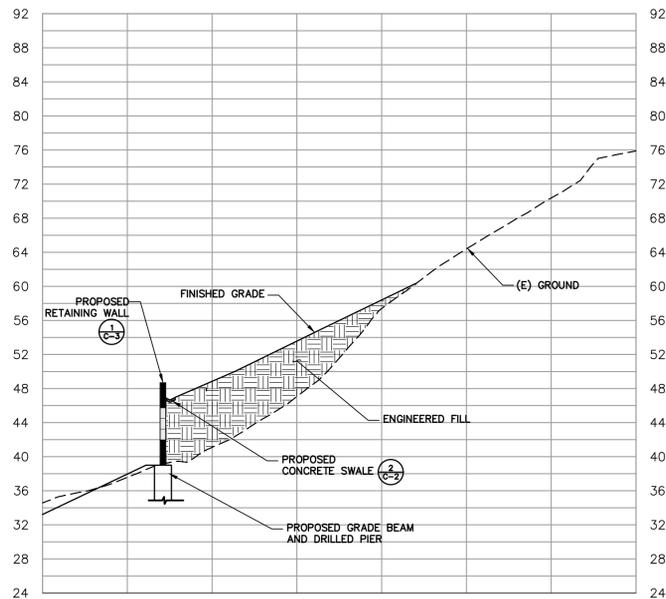
EAST ELEVATION
SCALE: 1"=10' HORIZONTAL, VERTICAL



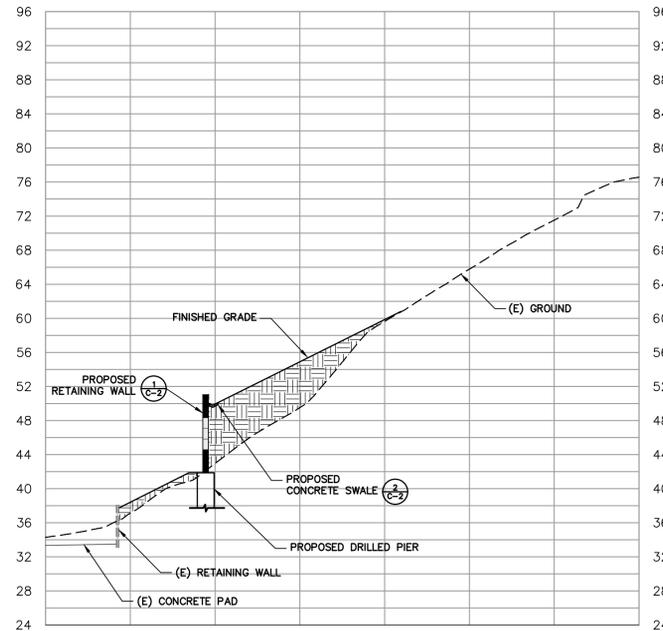
SOUTH ELEVATION
SCALE: 1"=10' HORIZONTAL, VERTICAL



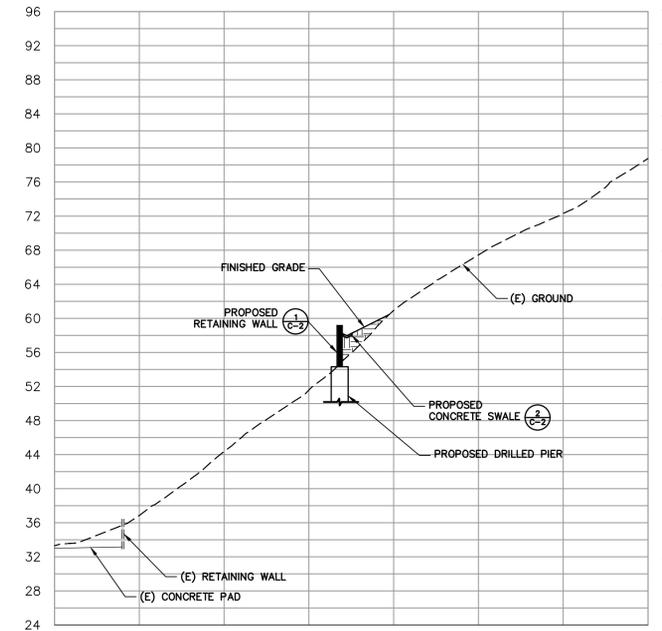
WEST ELEVATION
SCALE: 1"=10' HORIZONTAL, VERTICAL



SECTION A-A
SCALE: 1"=10' HORIZONTAL, VERTICAL



SECTION B-B
SCALE: 1"=10' HORIZONTAL, VERTICAL



SECTION C-C
SCALE: 1"=10' HORIZONTAL, VERTICAL

REVISER PER COUNTY COMMENTS, 2/24/2025.

REVISER PER COUNTY COMMENTS, 5/2/2025.



RJ Engineering, Inc.
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831-425-3901 www.rjengineering.com

RETAINING WALL DESIGN
FOR
BRUCE RAK
73 SEACLIFF DRIVE, APTOS
SANTA CRUZ COUNTY
APN 042-341-08
ELEVATIONS AND SECTIONS

project no.
23-044-1
date
JULY 2025
scale
AS SHOWN
dwg name
CIVIL3.DWG

C-4

TOTAL AREA OF DISTURBANCE = .037 ACRES
= 1590 SF

SITE HOUSEKEEPING REQUIREMENTS

CONSTRUCTION MATERIALS

1. ALL LOOSE STOCKPILED CONSTRUCTION MATERIALS THAT ARE NOT ACTIVELY BEING USED (I.E. SOIL, SPOILS, AGGREGATE, FLY-ASH, STUCCO, HYDRATED LIME, ETC.) SHALL BE COVERED AND BERMED.
2. ALL CHEMICALS SHALL BE STORED IN WATERTIGHT CONTAINERS (WITH APPROPRIATE SECONDARY CONTAINMENT TO PREVENT ANY SPILLAGE OR LEAKAGE) OR IN A STORAGE SHED (COMPLETELY ENCLOSED).
3. EXPOSURE OF CONSTRUCTION MATERIALS TO PRECIPITATION SHALL BE MINIMIZED. THIS DOES NOT INCLUDE MATERIALS AND EQUIPMENT THAT ARE DESIGNED TO BE OUTDOORS AND EXPOSED TO ENVIRONMENTAL CONDITIONS (I.E. POLES, EQUIPMENT PADS, CABINETS, CONDUCTORS, INSULATORS, BRICKS, ETC.).
4. BEST MANAGEMENT PRACTICES TO PREVENT THE OFF-SITE TRACKING OF LOOSE CONSTRUCTION AND LANDSCAPE MATERIALS SHALL BE IMPLEMENTED.

LANDSCAPE MATERIALS

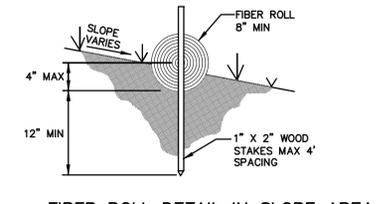
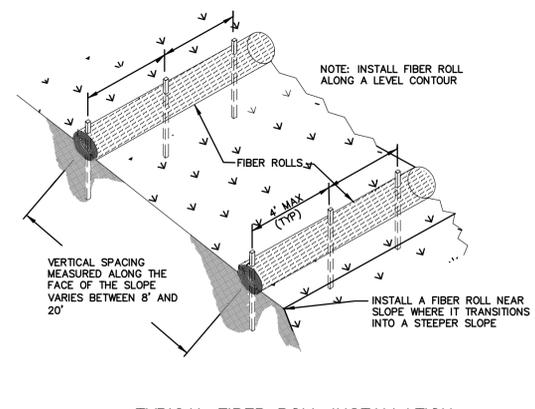
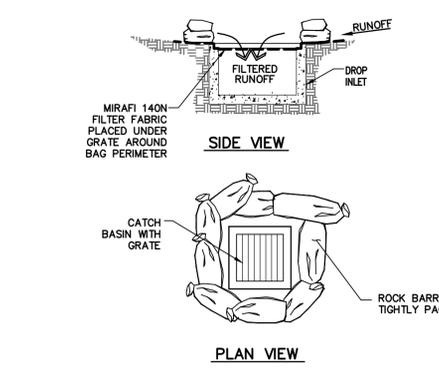
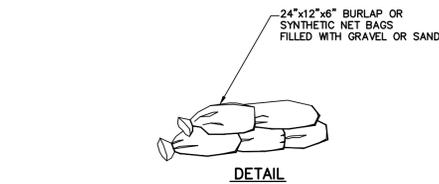
1. CONTAIN STOCKPILED MATERIALS SUCH AS MULCHES AND TOPSOIL WHEN THEY ARE NOT ACTIVELY BEING USED.
2. CONTAIN FERTILIZERS AND OTHER LANDSCAPE MATERIALS WHEN THEY ARE NOT ACTIVELY BEING USED.
3. DISCONTINUE THE APPLICATION OF ANY ERODABLE LANDSCAPE MATERIAL WITHIN 2 DAYS BEFORE A FORECASTED RAIN EVENT OR DURING PERIOD OF PRECIPITATION.
4. APPLY ERODABLE LANDSCAPE MATERIAL AT QUANTITIES AND APPLICATION RATES ACCORDING TO MANUFACTURE RECOMMENDATIONS OR BASED ON WRITTEN SPECIFICATIONS BY KNOWLEDGEABLE AND EXPERIENCED FIELD PERSONNEL.
5. STACK ERODABLE LANDSCAPE MATERIAL ON PALLETS AND COVERING OR STORING SUCH MATERIALS WHEN NOT BEING USED OR APPLIED.

VEHICLE STORAGE AND MAINTENANCE

1. MEASURES SHALL BE TAKEN TO PREVENT OIL, GREASE, OR FUEL TO LEAK IN TO THE GROUND, STORM DRAINS OR SURFACES WATERS.
2. ALL EQUIPMENT OR VEHICLES, WHICH ARE TO BE FUELED, MAINTAINED AND STORED ONSITE SHALL BE IN A DESIGNATED AREA FITTED WITH APPROPRIATE BMP'S.
3. LEAKS SHALL BE IMMEDIATELY CLEANED AND LEAKED MATERIALS SHALL BE DISPOSED OF PROPERLY.

WASTE MANAGEMENT

1. DISPOSAL OF ANY RINSE OR WASH WATERS OR MATERIALS ON IMPERVIOUS OR PEROVIOUS SITE SURFACES OR INTO THE STORM DRAIN SYSTEM SHALL BE PREVENTED.
2. SANITATION FACILITIES SHALL BE CONTAINED (E.G., PORTABLE TOILETS) TO PREVENT DISCHARGES OF POLLUTANTS TO THE STORM WATER DRAINAGE SYSTEM OR RECEIVING WATER, AND SHALL BE LOCATED A MINIMUM OF 20 FEET AWAY FROM AN INLET, STREET OR DRIVEWAY, STREAM, RIPARIAN AREA OR OTHER DRAINAGE FACILITY.
3. SANITATION FACILITIES SHALL BE INSPECTED REGULARLY FOR LEAKS AND SPILLS AND CLEANED OR REPLACED AS NECESSARY.
4. COVER WASTE DISPOSAL CONTAINERS AT THE END OF EVERY BUSINESS DAY AND DURING A RAIN EVENT.
5. DISCHARGES FROM WASTE DISPOSAL CONTAINERS TO THE STORM WATER DRAINAGE SYSTEM OR RECEIVING WATER SHALL BE PREVENTED.
6. STOCKPILED WASTE MATERIAL SHALL BE CONTAINED AND SECURELY PROTECTED FROM WIND AND RAIN AT ALL TIMES UNLESS ACTIVELY BEING USED.
7. PROCEDURES THAT EFFECTIVELY ADDRESS HAZARDOUS AND NON-HAZARDOUS SPILLS SHALL BE IMPLEMENTED.
8. EQUIPMENT AND MATERIALS FOR CLEANUP OF SPILLS SHALL BE AVAILABLE ON SITE AND THAT SPILLS AND LEAKS SHALL BE CLEANED UP IMMEDIATELY AND DISPOSED OF PROPERLY; AND
9. CONCRETE WASHOUT AREAS AND OTHER WASHOUT AREAS THAT MAY CONTAIN ADDITIONAL POLLUTANTS SHALL BE CONTAINED SO THERE IS NO DISCHARGE INTO THE UNDERLYING SOIL AND ONTO THE SURROUNDING AREAS.



EROSION CONTROL MEASURES

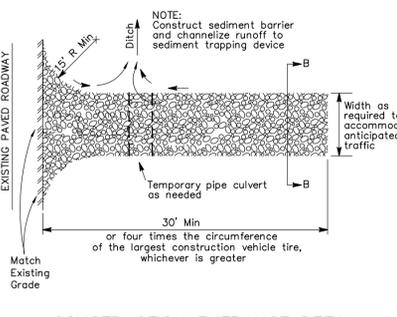
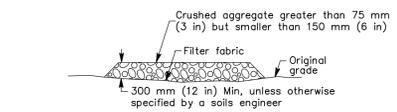
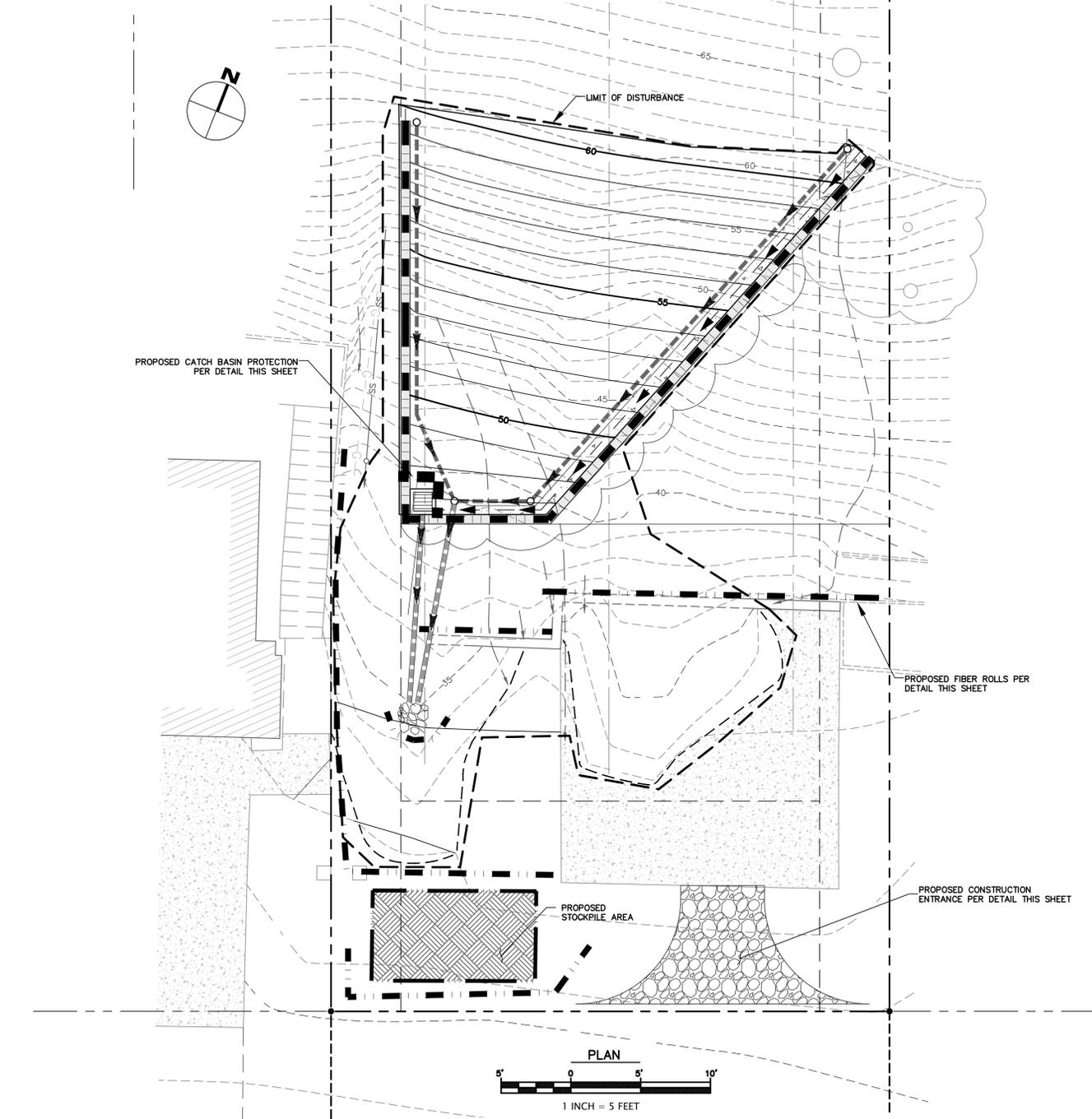
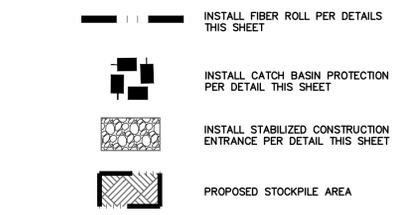
1. EROSION IS TO BE CONTROLLED AT ALL TIMES ALTHOUGH SPECIFIC MEASURES SHOWN ARE TO BE IMPLEMENTED AT A MINIMUM BY OCTOBER 15.
2. UNLESS SPECIFIC MEASURES ARE SHOWN OR NOTED ON THIS PLAN, ALL COLLECTED RUNOFF SHALL BE CARRIED TO DRAINAGE COURSES IN LINED CONDUITS. DISCHARGE SHALL BE IN THE LOCATIONS SHOWN ON THE PLANS.
3. THE DESIRED END RESULT OF THESE MEASURES IS TO CONTROL SITE EROSION AND PREVENT SEDIMENT TRANSPORT OFF THE SITE. IT SHALL BE THE DEVELOPER'S RESPONSIBILITY TO SEE THAT ANY ADDITIONAL MEASURES NECESSARY TO MEET THIS GOAL ARE IMPLEMENTED. IF FAILED INSPECTIONS BY COUNTY STAFF SHOW THIS GOAL IS NOT BEING MET, ADDITIONAL MEASURES MAY BE REQUIRED.
4. ALL DISTURBED AREAS NOT CURRENTLY BEING USED FOR CONSTRUCTION SHALL BE SEEDED WITH THE FOLLOWING SEED MIXTURE:
WINTER BARLEY 25#/ACRE
5. AFTER SEEDING, STRAW MULCH WILL BE APPLIED IN 4" (AVG.) LAYERS.
6. AMMONIUM PHOSPHATE FERTILIZER, 6-3-3, SHALL BE APPLIED AT A RATE OF 30 LBS. PER ACRE ON SLOPES GREATER THAN 20% EROSION CONTROL BLANKET (NORTH AMERICAN GREEN) SHALL BE APPLIED.
7. SILT BARRIERS SHALL BE PLACED END TO END AND STAKED DOWN ALONG THE BOTTOM OF ALL GRADED SLOPES.

ALL EROSION CONTROL MEASURES INCLUDING BUT NOT LIMITED TO SILT FENCES, FIBER ROLLS AND SLOPE PROTECTION SHALL BE IN PLACE BY OCTOBER 15TH. THE ENGINEER OF RECORD SHALL INSPECT ONCE EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

EXPOSED SLOPE MEASURES

1. COVER ALL EXPOSED SLOPES
2. STRAW 2 TONS/ACRE ON SLOPES ≤ 20% WITH SOIL BINDER
3. USE NORTH AMERICAN GREEN C125 OR EQUAL ON SLOPES >20%.

EROSION CONTROL LEGEND



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RETAINING WALL DESIGN
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73 SEACLIFF DRIVE, APTOS
SANTA CRUZ COUNTY
APN 042-341-08
STORMWATER POLLUTION
CONTROL PLAN

project no. 23-044-1
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scale AS SHOWN
dwg name CIVIL3.DWG

C-5