BLUFFTOP RETAINING WALL **MAINTENANCE**

PREPARED FOR:

OPAL CLIFF WEST HOA C/o MR. DAVID MEWES, HOA BOARD PRESIDENT 4800 OPAL CLIFF DRIVE, **CAPITOLA, CALIFORNIA 95010**

PROJECT ADDRESS:

OPAL CLIFF WEST HOA 4800 OPAL CLIFF DRIVE, **CAPITOLA, CALIFORNIA 95010** APN: 034-251-05

1. AERAS (TWO LOCATIONS) OF SHOTGRETE WALL REPAIR:

- AT UP COAST DUO OF WALL LOCATION 1, JACRE MASS OF SHOTGRETE, BEDROCK, AND REBAR DISLOGED.

VOID LETT BY MASS MASSINESS APPROX. 11 "WOE # 2" TALL * 1.1" DEEP, NOW EXPOSED BEDROCK/TERRACE

- AT SECOND AREA LOCATIO APPROX. 15 FROM DOWN COAST PROPERTY INSE, LOCATION 2, BLOCKS OF

BEDROCK HAVE BEEN BROCKE OFF LEWING VOID MASSIRING APPROX. 6" WIDE * 5" TALL * 1" DEEP.

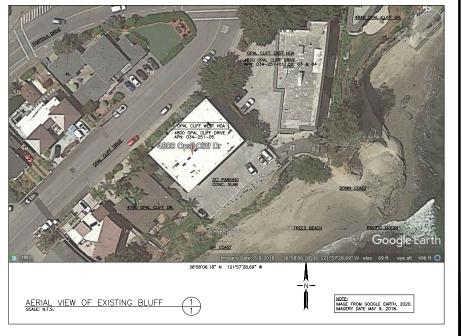
LOS OF TRASE UNREPHORED, BEFORE DOWN COAST PROPERTY UNEL LOCATION STITEM AND

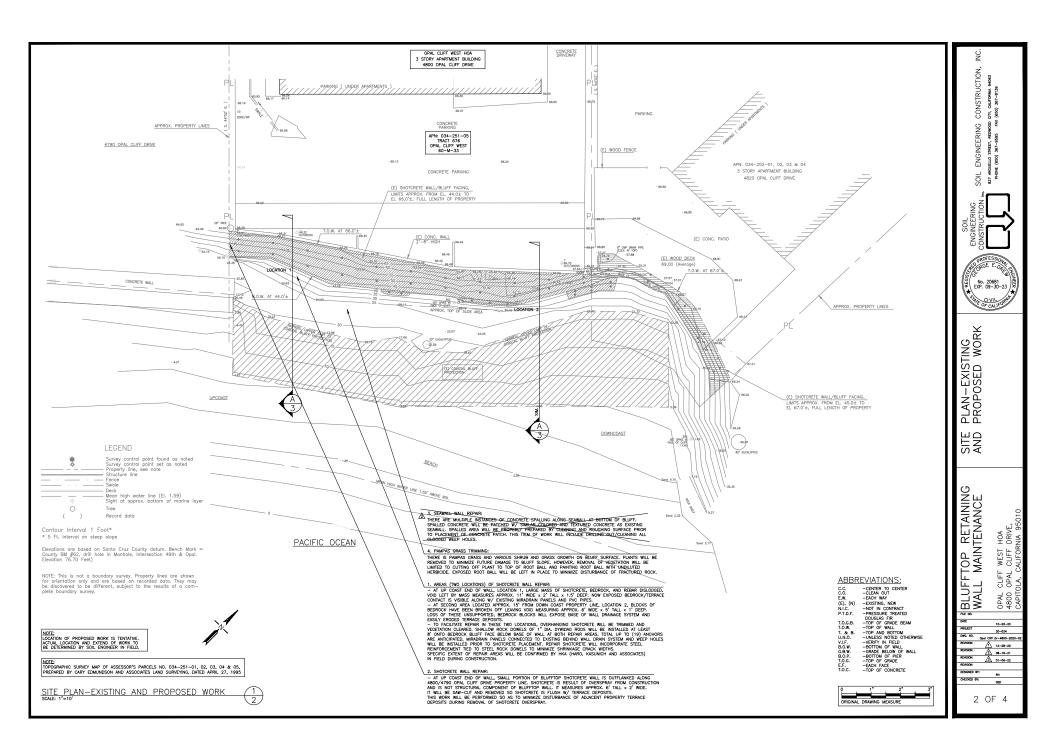
- 1. AERIAL VIEW OF EXISTING BLUFF, VICINITY MAP, SCOPE OF WORK AND PROJECT CONTACTS/CONSULTANTS
- 2. SITE PLAN-EXISTING AND PROPOSED WORK
- 3. PROFILE SECTION A-A', SECTIONS, DETAILS
- 4. STATEMENT OF SPECIAL INSPECTIONS-2019 CBC. STANDARD WALL DRAIN DETAILS



PROJECT CONTACTS/CONSULTANTS:







PROJECT NOTES:

GENERAL NOTES:

- DESIGN AND CONSTRUCTION TO BE IN ACCORDANCE WITH 2019 CBC, AS AMENDED BY STATE OF CALIFORNIA, AND COUNTY OF SANTA
- 2. ALL DIMENSIONS, CONDITIONS AND LOCATION OF FACILITIES TO BE VERIFIED AND DETERMINED IN FIELD.
- 3. EXACT LOCATION AND EXTENT OF BLUFFTOP RETAINING WALL MAINTENANCE MAY BE ADJUSTED AS FIELD CONDITIONS REQUIRE AT TIME OF CONSTRUCTION. ENGINEER OF RECORD SHALL BE INFORMED ON ANY DEVIATION FROM APPROVED LOCATION OF MAINTENANCE WORK AND WILL SUBMIT TO BUILDING OFFICIALS REVISED CALCULATIONS AND REVISED DRAWINGS FOR APPROVAL.
- ALL EXPOSED STEEL, IF ANY, SHALL BE GALVANIZED OR COATED
 WITH CORROSION INHIBITING PAINT.
- 5. CAST-IN-PLACE CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS:

 - REPAIR SECTION OF SHOTCRETE WALLFACING:

 "C"=5,000 PS, IMAXIMUM WATER-CEMENTITIOUS MATERIAL RATIO,
 BY WEIGHT, NORMAL WEIGHT CONCRETE, TO BE OF 0.40.
 - USE CEMENT TYPE II PORTLAND CEMENT.
 CONCRETE TEST SPECIMEN SPECIAL INSPECTION MAY BE REQUIRED.
- 6. REINFORCING STEEL SHALL CONFORM TO ASTM A615. GRADE 60 FOR #4 BARS AND ABOVE.
 ALL REINFORCEMENT BARS TO BE EPOXY COATED.
- 7. STEEL MEMBERS, IF ANY, SHALL BE:

 ALL WIDE FLANCE STEEL MEMBERS SHALL CONFORM TO
 ASTM A992, GRADE 50,

 MISCELLANGOUS CHANNELS, ANGLES, AND PLATES SHALL
 CONFORM TO ASTM A36.
- ALL RETROFIT ANCHORS, LEVELERS AND HARDWARE TO BE BY SIMPSON STRONG—TIE COMPANY, INC., OR EQUAL.
- 9. SECTION AT CONSTRUCTION JOINT (C.J.) MAKE CLEAN & ROUGH, OR FORM KEY.
- 10. REINFORCEMENT COVER:

 CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH SHALL HAVE WINNAMM 3" CONCRETE COVER,

 CONCRETE EXPOSED TO EARTH OR WEATHER SHALL HAVE WINNAMM 2" CONCRETE COVER FOR §6 BARS AND ABOVE,

 1 1/2" FOR §5 BARS AND BELOW.
- 11. SPLICES OF REBAR TO BE CLASS (B) SPLICE.
 FOR SHOTCRETE LAP SPLICES OF REINFORCING BARS SHALL
 UTILIZE NONCONTACT LAP SPLICE METHOD WITH MINIMUM
 CLEARANCE OF 2 INCHES BETWEEN BARS (2019 CBC, SEC. 1908.4.3).
- 12 FROXY ADHESIVE IF ANY TO BE "SET-YP" BY SIMPSON STRONG-TIE COMPANY, INC., ESR-2508, OR EQUAL. CONCRETE / GROUT PATCH SHALL BE APPROVED HIGH STRENGTH CEMENT BASED COMPOUND.
- S DUI, MALI ANCHOR MOTES:

 SE SOIL MALI ANCHOR TABLE "A",

 AND RELEVANT SECTIONS, DETAILS AND NOTES.

 ANCHORS TO BE BY DCI DYWING, OR EDUAL.

 ANCHORS SHALL BE DBL LORROSION PROTECTED.

 DES ANCHORS SHALL BE DBL LORROSION PROTECTED.

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 LOR ANCHORS SHALL BE DBL LORROSION PROTECTED.

 LOR ANCHORS SHALL BE DBL LORROSION BE SUSD, OR JESSON,

 ALLOW HOLE CONCRETE BANGFILL CHEE THE BEFORE TESTING.

 HOLES TO BE TESTING DEPL BORTLING FROM BOTTOM CHUIF FIRE

 HOLES TO BE TESTING DEPL BOTTOM FROM BOTTOM CHUIF FIRE HOLES TO BE TREMIE PIPE GROUTED FROM BOTTOM OF HOLE FOR ENTIRE BONDED ZONE. GREASE FILLED PVC SLEEVE WILL BE ENTINE BONDED ZONE, GRASE FILLED IVO SLEEVE, WILL BE PROVIDED OVER UNBRONDED LENDTH TO ASSURE LOAD IS ONLY ON BONDED LENGTH. SECOND STAGE OF GROUTING SHALL BE ACCOMPUSHED AFTER ACCEPTED ESTING, ALL WAY OF REMAINING HOLE, FRACTURE GROUTING MAY BE UTILIZED, AT CONTRACTOR'S OPTION, TO ACHIEVE CONSIDERABLY HIGHER SOLL-GROUT BOND CAPACITY, ANCHORS DEPTH MAY BE ADJUSTED BY GEOTECHNICAL CONSULTANT, BASED ON ACTUAL BOND STRENGTH DEVELOPED IN TEST PROGRAM, OR PER ACTUAL SOIL CONDITIONS AT TIME OF DRILLING OPERATION.
- 14. SPECIAL INSPECTION (2019 CBC SEC. 1704, SEC. 107.2.1);
 SEE SPECIAL INSPECTION SCHEDULE.
 UPON CONCLUSION OF CONSTRUCTION, PRIORIER OF RECORD
 WILL PREPARE SUMMARY LETTER OF HIS OBSERVATIONS RELATIVE
 TO BLUFFTOP RETAINING WALL MAINTENANCE, AND
- 15. DESIGN RECOMMENDATIONS AND PARAMETERS:

 INSPECTION MONITORING & MAINTENANCE REPORT,
 BLUFTOP RETAINING WALL AND SEAWALL, 4800 OPAL CLIFF DRIVE,
 APN 034—251—05, CAPITOLA, CALIFORNIA, BY HARO, KASUNICH AND
 ASSOCIATES, INC., PROLECT ON. SC11778, DAIDED JUNE 22, 2020.
- 16. PROJECT SOIL ENGINEER: HARO, KASUNICH AND ASSOCIATES, INC. PROJECT SIZE ENGINEER FAMOU, RASSINGH AND ASSIGNATES, INC.,
 SHALL CONFIRM THAT BLUFF MINITERINEE PLAN AND SPECIFICATIONS
 RECOMMENDATIONS IN THEIR EGOTECHNICAL REPORT(S) ARE PROPERLY
 ROCPROMEND INTO CONSTRUCTION PLANS,
 APPROVAL LETTER SHALL BE SUBMITED TO COUNTY OF SANTA CRUZ
 BUILDING AND PLANNING DEPRATMENT.
- 17. PROJECT SOIL ENGINEER: HARO, KASUNICH AND ASSOCIATES, INC., SHALL BE RETAINED BY OWNER TO PROVIDE OBSERVATION AND TESTING SERVICES DURING CONSTRUCTION PER GEOTECHNICAL REPORT(S) INSPECTION AND TESTING REPORTS SHALL BE SUBMITTED TO COUNTY OF SANTA CRUZ BUILDING AND PLANNING DEPARTMENT.
- 18. ALL CONSTRUCTION SHALL COMPLY WITH RECOMMENDATIONS OF AFOREMENTIONED REPORT(S).
- 19. TO ENSURE BLUFF PROPER MAINTENANCE, INSPECTION BY HARO, KASUNICH AND ASSOCIATES, INC., OR QUALIFIED LICENSED CRIU. ENGNEER SHOULD BE PERFORMED AT MININUM OF EVERY 5 YEARS AS WELL AS AFTER DAMAGING WINTER STORMS AND/OR COASTAL

PUBLIC WORKS REQUIREMENTS:

- 21. OWNER SHALL APPLY FOR AND OBTAIN TEMPORARY ENCROACHMENT PERMITS, IF APPLICABLE, FROM DEPARTMENT OF FUBLIC WORKS FOR ALL WORK IN RIGHT OF WAY, EASEMENTS OF PROPERTY IN WHICH COUNTY HOLDS INTEREST, INCLUDING DRIVEWAY, SIGEWALKS, SEWER CONNECTIONS, SEWER CEMPOLET, OUR DRAINS, OR STORM DEAN
- CONNECTIONS IN FIELD.

 CONNECTIONS IN FIELD ACTIVITIES WHICH REQUIRE COUNTY PERMIT SHALL BE ALLOWED ONLY DURING HOURS OF 8:00 AM. TO 5:00 P.M., MONDAY THROUGH FIREN AND 9:00 AM. TO 4:00 P.M. TO 5:00 P.M., MONDAY THROUGH FIREN AND 9:00 AM. TO 4:00 P.M. SHALL BE ALLOWED OUTSIDE OF AFGREWINGHED HOURS OR ON SHADAYS AND FOLLOWING HOURS HER YEARS DAY, PRESIDENTS DAY, MEMORRAL DAY, 411 OF JULY, LAGOE DAY, THANSSOWNED DAY, CONTROL DAY, 1411 OF JULY, LAGOE DAY, PRESIDENTS DAY, MEMORRAL DAY, 411 OF JULY, LAGOE DAY, PRESIDENTS DAY, MEMORRAL DAY, 411 OF JULY, LAGOE DAY, PRESIDENTS DAY, PRESIDENT
- 23. CONTRACTOR SHALL ENSURE THAT APPLICABLE BEST MANAGEMENT PRACTICES (BMPS) FROM COUNTY OF SANTA CRUZ STORM WATER POLLUTION PREVENTION PROCRAM (STOPP) ARE FOLLOWED TO PREVENT DISCHARGE OF SOIL OR MY CONSTRUCTION MATERIAL INTO GUTTER, STORM DRAIN, OR CREEK.

SITE WORK NOTES:

31. THERE ARE NO EXISTING TREES WITHIN AREA OF PROPOSED 32. THERE WILL BE NO WORK PERFORMED ON LOWER COASTAL PROTECTION SEAWALL OR ON BEACH.

STATEMENT OF SPECIAL INSPECTIONS

- 2019 CBC SEC. 1704:
- SPECIAL INSPECTION REQUIRED FOR:

 SOILS REPORT/MAINTENANCE REPORT

 CONCRETE f'c=5,000 PSI

 SHOTCRETE f'c=5,000 PSI

- REINFORCING STEEL Fy=60 KSI
- REMORGANG STEEL ("#-60 KS)

 1. VERPY EXCAMATIONS ARE EXTENDED TO PROPER DEPTH AND MAY EXCELLED PROPER METERS. (PERDODOLLY DURING TASK LISTED). PROPER DEPTH AND MAY EXCELLED PROPER METERS. (PERDODOLLY DURING TASK LISTED). PROPERTY OF PROPERTY OF THE PROPE

- II. CONCRETE CONSTRUCTION (2019 CBC TABLE 1705.3):

 1. INSPECTION OF REINFORCING STEEL AND PLACEMENT (PERIODIC).

 2. VERIFYING USE OF REQUIRED DESIGN MIX (PERIODIC): f'c=5,000 PSI, W/C RATIO=0.40, TYPE II PORTLAND CEMENT, LAB TESTING OF CONCRETE SPECIMENS MAY BE REQUIRED.
- III. DRAINS/EROSION CONTROL INSPECTION:

 1. VERIFY MATERIALS AND PLACEMENT OF DRAINS/EROSION CONTROL.
 (PERIODICALLY DURING TASK LISTED).

FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN INSPECTIONS SHALL BE SUBMITTED AT POINT IN TIME AGREED UPON BY PERMIT APPLICANT AND BUILDING OFFICIAL PRIOR TO START OF WORK.

IF NOT SPECIFICALLY AGREED AND/OR REQUIRED, FINAL REPORT WILL BE SUBMITTED AFTER WORK COMPLETION

STRUCTURAL DESIGN PARAMETERS:

REPORT-MAINTENANCE MONITORING, 4800/4820 OPAL CLIFF DRIVE, CAPITOLA, CALIFORINA, BY HARD, KASUNCH AND ASSOCIATES, INC., FOR SHOTCKETE SEC. PERFORMED SIMLAR REPAIRS AT ABOVE PROPERTIES IN 2001, 2004, 2007 AND 2015.

- REPORT—REPAIR DESON CRITERIA AS USED FOR 2015 BILLIFF REPAIR:

 SESSIMC PRESSINET—144

 ACTING OVER FULL HIGHET AND WIDTH OF REPAIR OF COASTAL BLUFF.

 BOND SHAFT FEICHON IN PURSIMA FORMATION 2,120 PSF

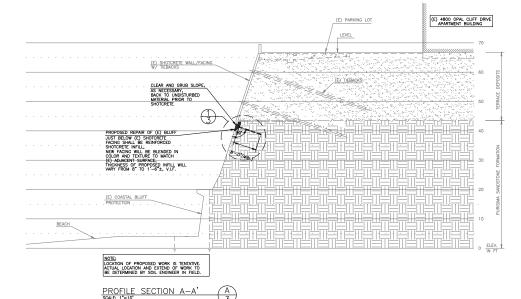
 PASSIVE SOIL PRESSINER NEGLECTED FOR DESIGN PURPOSES.

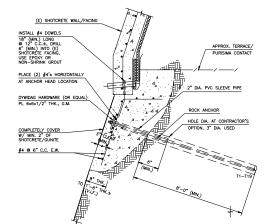
 PRASIVE SOIL PRESSINER NEGLECTED FOR DESIGN PURPOSES.

SHOTCRETE STANDARD NOTES-2019 CBC

- SHOTCRETE SPLICES: LAP SPLICES OF REINFORCING BARS SHALL UTILIZE NONCONTACT LAP SPLICE METHOD WITH MINIMUM CLEARANCE OF 2 INCHES
- 2. SHOTCRETE PANEL CRITERIA: MAXIMUM SIZE OF AGGREGATE IS 3/8 INCH OR SMALLER, TEST PANELS SHALL HAVE MINIMUM DIMENSIONS OF 12 INCHES BY 12 INCHES. PANELS SHALL BE SHOT IN SAME POSITION AS WORK, DURING COURSE OF WORK AND BY NOZZLEMEN DOING WORK. CONDITIONS UNDER WHICH PANELS ARE CURED SHALL BE SAME AS WORK.

SEE ALSO "STATEMENT OF SPECIAL INSPECTIONS-2019 CBC", SHEET 4





DETAIL-SHOTCRETE WALL REPAIR

SOIL NAIL ANCHOR TABLE "A"

MARK	DESIGN LOAD KIPS	TEST LOAD KIPS	LOCK-OFF LOAD KIPS	UNBONDED ZONE FEET	BONDED ZONE FEET (MIN.)	TOTAL LENGTH FEET	TOTAL NUMBER EACH	NOTE
T1 T0 T19	0.5	1.0	0.5	1.5'±	8,	9.5'±	19	

NOTES

SOLIDAD ANCHOR, USE 1° DIA. 75 KSI ASTIM A615 BAR AND HARDWARE, BY DCI DYWIDAG, OR EDUAL, DCP-DOUBLE CORROSION PROTECTED.

DYMANIC (SESMIC) LOADS HAVE CONSERVATIVELY BEEN INCORPORATED INTO DESIGN.

ANCHORS USE OF 2005 LL DO NOT NEED TO BE TESTED.

TISTS SELECTED SOL NAIL, ANCHORS, MINIMAN 1 IN 4 ANCHORS (25% OF ALL MICHORS), TO PROOF LOAD A 2000 RESSOL AND APPLAYED COST DL., SOLIDAD ANCHORS, LOAD APPLAYED COST DL., SOLIDAD ANCHORS, ANCHORS LOST DE SELECTED SOL NAIL, ANCHORS TO BE TESTED IN PRESENCE OF REPRESENTATIVE OF HAVA.

SOL NAIL, ANCHORS TO BE TESTED IN PRESENCE OF REPRESENTATIVE OF HAVA.

ANCHOR TESTED PROCEDURE TO BE IN GENERAL CONFORMANCE WITH PIMANUAL, PROOF TESTING.

SECTION 4.3.7.12

ANCHOR TESTING. SECTION 4.3.7.2

ACCOCYCOPY ALL, SOL NAIL, ANCHORS ATTER SHOTCRETE WALL IS CURED.

INCLINATION BEOCH WITHOUT ALL ANCHORS ATTER SHOTCRETE WALL IS CURED.

INCLINATION BEOCH WITHOUT ANCHORS ATTER SHOTCRETE WALL IS CURED.

INCLINATION BEOCH WITHOUT ANCHORS ATTER SHOTCRETE WALL IS CURED.

INCLINATION BEOCH WITHOUT ANCHORS ATTER SHOTCRETE WALL IS CURED.

INCLINATION BEOCH WITHOUT ANCHOR HEAVILY AND PROVED BY DESON OF PREVIOUS REPEARS.

APPROX. TOTAL UP TO (19) ANCHORS ATTER SHOTCRET SECOMMENDATION, BUSSED ON ACTUAL SLOPE BOOK CONTROLLED AND THE OFFENDMENT SECOMMENDATION, BASED ON ACTUAL SLOPE SINCH CONTROLLED AND THE OFFENDMENT'S RECOMMENDATION, BASED ON ACTUAL SLOPE SINCH CONTROLLED AND THE OF CONSTRUCTION.

ABBREVIATIONS:

-CENTER TO CENTER
-CLEAN OUT
-EACH WAY
-EXISTING, NEW
-NOT IN CONTRACT
-PRESSURE TREATED C.C. C.O. P.T.D.F. -PRESSURE TREATED
DOUGLAS FIRE
-TOP OF GRADE
-TOP OF WALL
-TOP AND BOLTOM
-BOTTOM OF WALL
-BOTTOM OF PIER
-TOP OF GRADE
-EACH FACE
-TOP OF CONCRETE T.O.G.B. T.O.W. T. & B. U.N.O. V.I.F. B.O.W. G.B.W. B.O.P. T.O.G. E.F. T.O.C.

CONSTRUCT ENGINEERING



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OPAL 4800 CAPIT 20-024 12-28-20 **△** 08-16-21 A 01-06-22 REVISION

FF WEST HOA AL CLIFF DRIVE, CALIFORNIA 95010

CLIFF

3 OF 4

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1984.7 Juliada. Exergi where permitted herois, unfinabled unless object and layed to a him feed, for executed dissensation object are dispeted to a him feed, for executed dissensation at 10 h to table conjunctions and for conventions joined as 10 h to 10

sum passie.

1968.9 Carling. During the curing periods specified herein, shotocrete shall be maintained above 40°F (4°C) and in moist condition. [OSHIPO 18, 2.4.5] Maintain above 50°F (10°C) and in moist condition.

shortest deall or manistered book on 97 (FCL) and an stood of a fine of confidence of the stood of the stood

air and rebound.

Adequate ground wires, which are to be used as screeds,
shall be placed to establish the thichness, surface planes and
forms of the shotcrete work. All surfaces shall be redded to
these wires.

1998,12 Placing. [OSHPD 1R, 2 & 5] Shotcrete shall be
placed in accordance with ACl 506R.

2019 CALIFORNIA BUILDING CODE



NOTE:

- POTION OF PROPOSED REDAIR LOCATION 1.

- POMON INSPECTION MONTRORIC & MAINTENANCE REPORT, BULFFOR RETAINING WALL AND SEAWALL, 4800 OPAL CLIFF DRIVE, APN 034–251–05, CAPITOLA, CALIFORIA, BY HARO, KASUNICH AND ASSOCIATES, INC., PROJECT NO. SCI1778, DATED JUNE 23, 2020.

Project No. SC11778 4800 Opat Cliff Drive 23 June 2020 Page 12



Photo 4: 4800/4820 Opal Cliff Drive Property Line View - 26 May 2020

NOTE:

— CAPION OF PROPOSED REPAIR LOCATION 2.

— FROM: INSPECTION MONITORING & MAINTENANCE REPORT,
BLUFFTOP RETAINING WALL AND SEAWALL, 4800 GOAL CLIF DRIVE,
APN 034—251—05, CAPITOLA, CALIFORNIA, BY HARO, KNSUNICH AND
ASSOCIATES, MC., PROJECT NO. SCI1778, DATED JUNE 22, 2020.

PERSONIC SPECIAL INSPECTION REFERENCED REPERENCE AWS D1.4 ACI 318: 26.64 ACI 318: 17.8.2 ACI 318: 17.8.2 ACI 318: 17.83 Verify use of required design mix ACI 318: Ch. 19. 26.4.3. 26.4.4 1904.1, 1904.2, 1908.2, 1908.3 1906.10 908.6, 1908.7, 1908.8 ACI 318: 26.5 ACI 318: 26.5.3-26.5.5 1966.0 ACI 318: 26:10 ACI 318: 26.9 crete strength, prior to stree ACI 318: 26.11.2

Text E. 1 to 2.2 to 100.

White appellate his morbital Text E. Special improvious for stands and texture.

White appellate his morbital Text Expecial improvious for stands and texture in the stands into all you apprecial current in accriticate with 17.2 to 10.0 to 10.0

EARTH SLOPE LAGGING FABRIC FLAPS TAPED TO BACK OF CCW MIRADRAIN CORE SLOPE. - DISCHARGE OUTLETS -SEE SEPARATE LAGGING DETAILS NOTES: 1. BACK OF CCW MIRADRAIN CORE SHOULD BE FACING INSTALLER WHEN INSTALLING. FABRIC SIDE OF CCW MIRADRAIN IS INSTALLED TOWARDS LAGGING OR EARTH.

MD-2

CHIMNEY DRAIN

CARLISLE

RETAINING WALL-BEHIND CCW MIRADRAIN CORE AT TOP AND - BACKFILL BOTTOM EDGE WEEP HOLE WITH GRATE/SCREEN - CONCRETE FOOTING CUT BACK OF BLACK PLASTIC -ON CCW MIRADRAIN TO MATCH SIZE OF WEEP HOLE. DO NOT - GALVANIZED OR ALUMINUM PLATE EXTENDING 3 DIMPLES ALL DIRECTIONS FROM WEEP CUT FILTER FABRIC HOLF EDGE CCW MIRADRAIN

MD-1

RETAINING WALL DETAIL

CARLISLE

CCW-MIRADRAIN-STANDARD DETAILS

TABLE 1705.6 REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS OONTINUOUS SPECIAL BISPECTION x 6. Soil Noil Anchors proof test 2019 CALIFORNIA BUILDING CODE

NOTE: PHOTOS 1 AND 4 SHOW AREAS WHERE SHOTCRETE AND THIN SECTION OF PHOTOS 1 AND 4 SHOW AREAS WHERE SHOTCRETE AND THIS SECTION OF UNDERSTRING NATURE WATERFUL HAVE DEED LOST, PHOTO 1 (OCATION 1 ON SEC PROJECT DEMNNO SHET 2 (3) S 11" WIDE, 2" HICH AND 1.5" DEEP, 175 REPARK LINE HAVE AND ADDUT 50 O'DUNGS SHOW SHOTCRET AND ADDUT 50 O'DUNGS SHOT SHOTCRET AND ADDUT 50 O'DUNGS SHOT 3.0" IT S 6" WIDE, 5" HIGH AND 1" DEEP, 175 REPARK WILL ONLY 1.0" IT S 6" WIDE, 5" HIGH AND 1" DEEP, 175 REPARK WILL OVER 52 SF OF UPPER WALL'S 4125 SF SURFICE AREA (ADDUT 15).



ENGINEERING

CONSTRUCTION,





SPECIAL 19 CBC DRAIN NS-2(0 STATEMENT INSPECTION STANDARD DETAILS

C FTOP RETAINING MAINTENANCE

. CLIFF WEST HOA . OPAL CLIFF DRIVE, TOLA, CALIFORNIA 95010 OPAL CLIFI 4800 OPAI CAPITOLA,

MA MAI 20-024 12-28-20 **2** 08−16−21 EMSION

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