### APPLICATION REQUEST:

THE PROJECT APPLICATION REQUEST IS FOR APPROVAL OF AN EMERGENCY PERMIT (EMP) FOR REPAIR OF SLOPE FAILURE DUE TO ATMOSPHERIC RIVER RAINSTORM EROSION PURSUANT TO MONTECITO LAND USE AND DEVELOPMENT CODE (MLUDC) SECTION 35.472.090.E.2.

### **GENERAL NOTES:**

. ADDRESSES: 337 HOT SPRINGS ROAD, SANTA BARBARA CA, 93108

009-070-039

3. LOT AREA: 1.02 ACRES (NET & GROSS)

4. GENERAL PLAN: SRR 0.5 (SINGLE-FAMILY RESIDENTIAL; 0.5 UNITS/ACRE)

5. ZONING: 2-E-1 (SINGLE-FAMILY RESIDENTIAL2-ACRE MINIMUM

ACCESS TO THE LAND SHOWN HEREON IS VIA PRIVATE DRIVEWAYS FROM HOT SPRINGS ROAD.

6. THIS SITE PLAN REPRESENTS A COMPILATION OF RECORD BOUNDARY AND TOPOGRAPHIC SURVEY DATA. 5-FOOT CONTOUR INTERVAL TOPOGRAPHIC INFORMATION IS TAKEN FROM THE MONTECITO TOPO OF THE SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT WHICH IS COMPILED FROM AERIAL PHOTOGRAPHY DATED JULY 7, 1990. SLOPE REPAIR AREA TOPOGRAPHY HAS BEEN COMPILED FROM FIELD TOPOGRAPHIC SURVEY DATA OBTAINED IN 2023 AND 2024. RECORD BOUNDARY INFORMATION IS TAKEN FROM RECORDED DEEDS AND MAPS.

10-FEET ON ALL PROPERTY LINES FOR INTERIOR LOT PER MLUDC SECTION 35.430.150.4A

### CONSTRUCTION NOTES

- INSTALL 24-INCH DIAMETER SOLDIER PILE PER STRUCTURAL ENGINEER PLAN, FOUNDATION DETAILS, DETAIL 1, SHEET S4.1, WITH WALL HEIGHT AS SHOWN. WALL HEIGHT NOT TO EXCEED 6-FEET IN YARD SETBACK AREAS AND 8-FOOT IN OTHER AREAS OF SLOPE REPAIR.
- INSTALL PRECAST 8" THICK CONCRETE PANEL PER STRUCTURAL ENGINEER PLAN, FOUNDATION DETAILS, DETAIL 1, SHEET S4.1, WITH WALL HEIGHT AS SHOWN. WALL HEIGHT NOT TO EXCEED 6—FEET IN YARD SETBACK AREAS AND 8—FEET IN OTHER AREAS OF SLOPE REPAIR.
- 3 REMOVE 4" OAK TREE.
- CONSTRUCT 2:1 FILL SLOPE BETWEEN SOLDIER PILE RETAINING WALLS AS SHOWN ON STRUCTURAL ENGINEER PLAN SHEET S4.1.
- 5 EXPOSE EXISTING 4" ABS SEWER LATERAL AND PROTECT IN PLACE AS NECESSARY FOR SOLDIER PILE RETAINING WALL CONSTRUCTION.
- 6 EXPOSE EXISTING CONSTRUCTION. EXPOSE EXISTING ELECTRICAL CONDUIT AND PROTECT IN PLACE AS NECESSARY FOR SOLDIER PILE RETAINING WALL
- 7 INSTALL FIVE (5) 24" BOX COASTAL LIVE OAK TREE AS SHOWN HEREON AS REPLACEMENT FOR REMOVAL OF THREE (1) EXISTING 4" OAK TREE.

### OWNER'S CERTIFICATE:

MARK LLOYD, DO HEREBY APPLY FOR APPROVAL OF A EMERGENCY PERMIT FOR REAL PROPERTY SHOWN ON THIS PLAT AND CERTIFY THAT I AM THE LEGAL OWNER OR AUTHORIZED AGENT OF THE LEGAL OWNER OF SAID PROPERTY AND THAT THE INFORMATION SHOWN HEREON IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATED: MARCH 6, 2024

### LEGEND:

SUBJECT PROPERTY BOUNDARY APN BOUNDARY INDEX CONTOUR LINE INTERMEDIATE CONTOUR LINE

R1 - RECORD OF SURVEY BOOK 65, PAGE 93 R2 - INSTRUMENT No. 2017-0036206

85.50'

120.50'

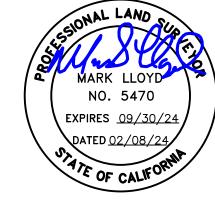
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			EXISTIN	Gι	INE TA	BLE			
	LINE	E	BEARING		LENG	HT	REFER	RENCE	
	L1	N 1	7'00'27"	W	52.	.63'	R:	2	
	L2	N 6	8'00'00"	W	30.	.00'	R:	2	
	L3	N 7	6'06'00"	Ε	32.	.13'	R	1	
		E>	KISTING C	UR	VE TAE	BLE			
CURVE	RADI	US	DELTA	AN	IGLE	LEN	IGTH	REFE	REN
C1	95	.00'	43°	45	'00 <b>"</b>	7:	2.48'	F	₹1

94'02'00"

06'21'00"

### PREPARED BY:

L & P CONSULTANTS 3 W. CARRILLO STREET; STE. 205 SANTA BARBARA, CA 93101 (805) 962-4611 (805) 962-4161 FAX



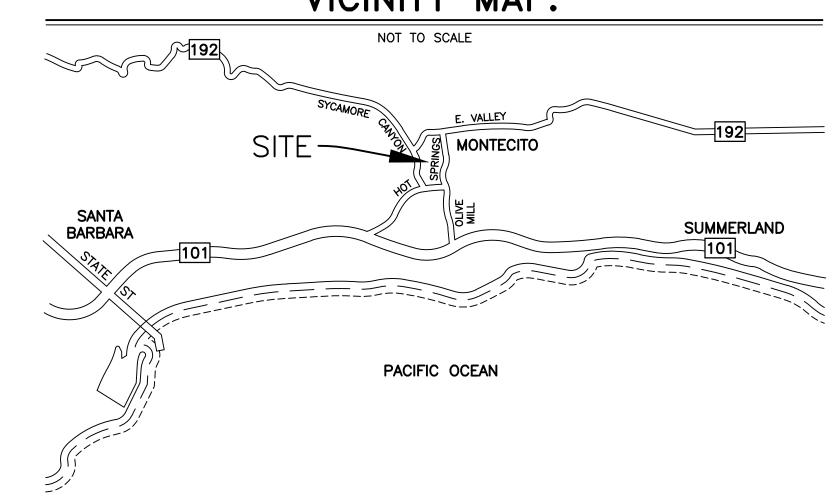
## VICINITY MAP:

R1

R1

140.32

13.35'







### A. GENERAL NOTES

GENERAL NOTES AND TYPICAL DETAILS.

1. ALL WORK DONE UNDER THIS CONTRACT IS TO COMPLY WITH THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE (2022 CBC) AS ADOPTED BY THE LOCAL BUILDING JURISDICTION, AND IS TO BE PERFORMED BY A LICENSED CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADHERE TO THE SAFETY REGULATIONS OF THE GOVERNING SAFETY ORGANIZATION(S) IN ORDER TO PROTECT THE STRUCTURE AND ALL PERSONS ON OR AROUND THE BUILDING SITE. THIS INCLUDES LAGGING, SHORING AND UNDERPINNING.

2. UNLESS OTHERWISE SPECIFIED, THE GENERAL NOTES ON THIS PAGE SHALL APPLY. a.) DIMENSIONS ARE TO TAKE PRECEDENCE OVER THE SCALE SHOWN ON THE DRAWINGS. b.) NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER

c.) TYPICAL DETAILS AND GENERAL DETAILS AND NOTES ON THESE SHEETS SHALL APPLY UNLESS SPECIFICALLY NOTED OTHERWISE. CONSTRUCTION DETAILS NOT FULLY SHOWN OR NOTED SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS.

3. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS PRIOR TO STARTING WORK AND NOTIFY THE STRUCTURAL ENGINEER IN WRITING OF ANY DISCREPANCIES OR OMISSIONS THAT SHOULD BE CORRECTED IN ORDER TO BRING THE DRAWINGS INTO CONFORMANCE WITH THE GOVERNING CODES AND REGULATIONS.

### B. EXCAVATING, GRADING & FILLING

1. GRADING: ALL GRADING SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 18 OF THE 2022 CALIFORNIA BUILDING CODE (2022 CBC).

2. SCARIFICATION: THE AREA TO BE GRADED SHALL BE CLEARED OF SURFACE VEGETATION INCLUDING ROOTS AND ROOT STRUCTURE. THE SITE SHALL BE CLEARED OF PREVIOUS MAN MADE DEVELOPMENT INCLUDING UNDERGROUND IMPROVEMENTS SUCH AS FOUNDATIONS, UTILITY LINES, OLD SEPTIC TANKS OR SEEPAGE PITS, ETC., ANY CAVITIES RESULTING FROM SUCH REMOVAL SHALL BE PROPERLY BACKFILLED IN ACCORDANCE WITH THE RECOMMENDATIONS BELOW.

3. COMPACTED BACKFILL: COMPACTED BACKFILL SHALL BE PLACED UNDER THE DIRECTION OF A SOILS ENGINEERING LABORATORY. AN ALTERNATIVE, IS TO USE CRUSHED 3/4" "B" ROCK THAT IS CONSOLIDATED AT 6" LIFTS WITH AIR OR GASOLINE POWERED COMPACTION EQUIPMENT AND COMPACTED TO 90% RELATIVE COMPACTION.

4. DRAINAGE: ALL STRUCTURES ARE TO HAVE RAIN GUTTERS THAT DRAIN AWAY FROM THE STRUCTURE; AND THE FIRST 5 FEET CLOSEST TO THE STRUCTURE SHALL SLOPE AWAY FROM THE STRUCTURE AT A SLOPE OF 1/2" PER FOOT.

### C. FOUNDATIONS

1. FOUNDATION DESIGN IS BASED ON 2022 CALIFORNIA BUILDING CODE (2022 CBC), CHAPTER 18 MINIMUM VALUES.

2. ALLOWABLE SOIL BEARING PRESSURE IS 1500 PSF DL AND LL, UNLESS NOTED OTHERWISE.

3. PRIOR TO PLACING CONCRETE FOOTINGS, ALL LOOSE EARTH, WATER AND DEBRIS SHALL BE REMOVED FROM FOUNDATION BED.

4. FOOTINGS SHALL BE INSPECTED BY THE SOILS ENGINEER PRIOR TO CONCRETE PLACEMENT. AT THIS TIME ALL HOLDOWN ANCHORS SHOULD BE TIED IN PLACE.

5. PENETRATIONS: PROVIDE SLEEVES IN GRADE BEAMS AND FOOTINGS WITH INSIDE DIAMETER 2" GREATER THAN OUTSIDE DIAMETER OF PENETRATING PIPE OR CONDUIT.

6. BOTTOM OF FOOTINGS SHALL BE FOUNDED BELOW THE FOLLOWING. THE MOST RESTRICTIVE (DEEPEST) SHALL APPLY:

a.) 18" BELOW FINISHED GRADE.

b.) 12" INTO COMPACTED SOIL. COMPACTED SOIL SHALL BE COMPACTED TO 90% RELATIVE COMPACTION, TESTED AND CERTIFIED

c.) 12" BELOW ORIGINAL NATIVE UNDISTURBED SOIL.

d.) ALL FOOTINGS SHALL BE FOUNDED IN EITHER COMPACTED SOIL OR ORIGINAL NATIVE

7. FOOTINGS RESTING ON A COMBINATION OF COMPACTED SOIL AND ORIGINAL NATIVE UNDISTURBED SOIL FOR THE SAME STRUCTURE IS NOT ALLOWED.

### F. CONCRETE:

1. STRENGTH: CONCRETE FOR THE PROJECT SHALL HAVE THE FOLLOWING ULTIMATE COMPRESSIVE STRENGTH AT AGE OF 28 DAYS:

ALL MIX DESIGNS ARE TO BE REVIEWED BY THIS OFFICE.

LOCATION	STRENGTH	WEIGHT	SLUMP	ADMIXTURE	REMARKS
CAST-IN-PLACE CAISSONS & PRECAST CONCRETE PANELS	4000 PSI	150 PCF	4"	2% AIR, 18% FLY ASH, LOW RANGE WATER REDUCER	WATER/CEMENT RATIO = 0.45 SEE NOTE 5 BELOW

2. SLUMP: INDICATED IS MAXIMUM SLUMP ALLOWED BEFORE ADMIXTURES.

3. WATER: WATER SHALL BE CLEAN AND SUITABLE FOR HUMAN CONSUMPTION.

4. CEMENT: CEMENT SHALL BE TYPE II OR V, LOW ALKALI, CONFORMING TO ASTM C150. FLY ASH SHALL CONFORM TO TO ASTM C618.

5. WATER CEMENT RATIO: THE WATER CEMENT RATIO IS TO BE MINIMIZED AS FOLLOWS: a.) NORMAL ENVIRONMENT: MAX WATER CEMENT RATIO SHALL BE 0.55, U.N.O.

6. AGGREGATE: AGGREGATE USED IN THE CONCRETE SHALL BE NON-REACTIVE AND CONFORM TO ASTM C33 AND ASTM C289. CONCRETE SHALL NOT BE PLACED SO AS TO CAUSE SEGREGATION OF AGGREGATES. IF CALLED FOR IN THE PLANS, LIGHT WEIGHT CONCRETE AGGREGATES SHALL CONFORM TO ASTM C-330.

THE MAXIMUM SIZE AGGREGATE IN CONCRETE WORK SHALL BE THE FOLLOWING: b.) FOOTINGS, WALLS, COLUMNS, BEAMS, AND SLABS LESS THAN 5" THICK . . . . . . . . 3/4"

7. ADMIXTURE: NO CALCIUM CHLORIDE BASED ADMIXTURES ARE TO BE USED. ALL ADMIXTURES ARE TO BE APPROVED BY THE STRUCTURAL ENGINEER.

8. REBAR: REINFORCING STEEL SHALL BE CLEAN DEFORMED BARS CONFORMING TO ASTM A615 (FOR REINFORCEMENT STEEL THAT IS TO BE WELDED USE ASTM A706) AS FOLLOWS:

#3 AND #4 BARS GRADE 40 #5 BARS AND LARGER GRADE 60

SPLICES OF REINFORCING STEEL SHALL BE LAPPED PER [B/S2.1] AND SECURELY WIRED TOGETHER. SPLICES OF ADJACENT REINFORCING BARS SHALL BE STAGGERED WHEREVER POSSIBLE. THE MINIMUM CLEAR SPACING BETWEEN PARALLEL BARS IN A LAYER SHALL BE ONE BAR DIAM. BUT NOT LESS THAN ONE INCH.

MINIMUM COVERAGE FOR JOISTS, BEAMS, GIRDERS, AND COLUMNS SHALL BE TO FACE OF STIRRUPS OR TIES. UNLESS OTHERWISE NOTED, CONCRETE COVERAGE FOR REINFORCING BARS TO FACE OF BAR SHALL BE AS FOLLOWS:

a.)	CONCRETE IN CONTACT WITH EARTH, UNFORMED	
b.)	CONCRETE IN CONTACT WITH EARTH, FORMED 2"	ı
c.)	WALL, EXTERIOR FACE (#5 BAR & SMALLER)	1/2"
	(#6 BAR & LARGER) 2"	
d.)	WALL, INTERIOR FACE	."
e.)	STRUCTURAL SLABS	1"
f.)	JOISTS	1"
g.)	WALLS, BEAMS, GIRDERS, & COLUMNS	L/2"

9. MIXING: PREPARATION OF CONCRETE SHALL CONFORM TO ASTM C-94. NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN THE TIME WHEN THE INITIAL MIXING WATER IS ADDED AND CONCRETE PLACEMENT UNLESS APPROVED BY A TESTING AGENCY.

10. DOWELING: ALL WALLS AND COLUMNS SHALL BE DOWELED INTO FOOTINGS. WALLS, BEAMS, OR SLABS WITH BARS OF THE SAME SIZE AND SPACING AS THE VERTICAL REINFORCEMENT ABOVE. AT CONVENTIONAL FOOTINGS AND SLABS-ON-GRADE USE A 48 BAR DIAMETER LAP UNLESS OTHERWISE NOTED. TIE ALL SLABS ON GRADE TO INTERSECTING WALLS AND/OR FOOTINGS WITH THE SAME SIZE DOWELS AND SPACING AS THE SLAB REINFORCING EXTEND DOWELS 32" INTO SLAB AND 6" INTO WALL WITH AN ADDITIONAL 6" HOOK ON THE END. SEE [B/S2.1] FOR LAP SPLICES AT GRADE BEAMS, STRUCTURAL SLABS AND STRUCTURAL BEAMS.

11. ANCHORING: ALL ANCHOR BOLTS, REINFORCING STEEL, DOWELS, INSERTS, ETC. SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE. ALL ANCHOR BOLTS SHALL BE ASTM F-1554, GRADE 36, U.N.O.

12. PENETRATIONS: NO SLEEVES OR CHASES SHALL BE PLACED IN BEAMS, SLABS, WALLS AND COLUMNS, EXCEPT THOSE SHOWN ON THE PLANS. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FOR INSTALLATION OF ANY ADDITIONAL SLEEVES OR CHASES. ALL PLUMBING, ELECTRICAL AND MECHANICAL OPENINGS SHALL BE SLEEVED IN MEMBERS BEFORE PLACING CONCRETE WITH REINFORCING BENT NOT CUT AROUND SLEEVES. CORING IS NOT ALLOWED UNLESS PRIOR APPROVAL IS OBTAINED FROM THE STRUCTURAL ENGINEER.

13. EMBEDDED ITEMS: CONDUIT PLACED IN A CONCRETE SLAB SHALL NOT HAVE AN OUTSIDE DIAMETER GREATER THAN 1/4 THE THICKNESS OF THE SLAB. CONDUIT SHALL NOT BE EMBEDDED IN A SLAB THAT IS LESS THAN 3-1/2" THICK, UNLESS SLAB IS LOCALLY THICKENED. MINIMUM CLEAR DISTANCE BETWEEN CONDUITS SHALL BE SIX INCHES.

14. CONSOLIDATION: ALL CONCRETE SHALL BE VIBRATED AS IT IS BEING PLACED WITH MECHANICAL VIBRATING EQUIPMENT OF SIZE APPROPRIATE FOR THE WORK.

15. INSPECTION: CONCRETE WITH SPECIFIED STRENGTH GREATER THAN 2,500 PSI. EXCEPT SLAB-ON-GRADE CONCRETE, SHALL BE CONTINUOUSLY INSPECTED DURING PLACEMENT AND TAKING OF TEST SPECIMEN BY A DEPUTY INSPECTOR EMPLOYED BY A TESTING LAB APPROVED BY THE BUILDING DEPARTMENT. THE DEPUTY INSPECTOR SHALL ALSO INSPECT ALL REINFORCING BARS PRIOR TO CONCRETE POUR.

16. CONCRETE CYLINDERS SHALL BE MADE AND TESTED. A MINIMUM OF ONE (1) SET SHALL BE TAKEN OF EACH CLASS OF CONCRETE FOR EACH DAYS POUR FOR EACH 150 CUBIC YARDS OF CONCRETE OR EACH 5,000 SQUARE FEET OF SURFACE AREA FOR SLABS OR WALLS, WHICHEVER IS LESS. EACH SET SHALL CONSIST OF THREE (3) CYLINDERS. ONE SHALL BE TESTED AT SEVEN (7) DAYS, THE SECOND, & THIRD SHALL BE TESTED AT TWENTY EIGHT (28) DAYS. AND PREPARED AND TESTED BY A TESTING LAB IN ACCORDANCE WITH ASTM STANDARDS C172, C31, AND C39. WHEN TOTAL QUANTITY OF A GIVEN CLASS OF CONCRETE IS LESS THAN 50 CUBIC YARDS, STRENGTH TESTS ARE NOT REQUIRED WHEN EVIDENCE OF SATISFACTORY STRENGTH IS SUBMITTED TO AND APPROVED BY THE BUILDING OFFICIAL.

17. CURING: THERE ARE TWO OPTIONS:

a.) SLABS SHALL BE SPRAYED WITH A CURING COMPOUND (ASTM 309) IMMEDIATELY AFTER FINISHING. APPLY TWO COATS AT RIGHT ANGLES TO EACH OTHER AT THE RATE OF 200 SQUARE FEET PER GALLON. CURING COMPOUNDS USED ON CONCRETE WHERE TILE OR FLOOR COVERING IS TO BE BONDED TO THE CONCRETE SURFACE SHALL BE APPROVED BY THE TILE OR FLOOR COVERING MANUFACTURER.

b.) WET SLAB FOR A SEVEN (7) DAY MINIMUM, BY PONDING OR USING A CONCRETE BURING BLANKET, SUCH AS BURLENE.

18. CONTROL JOINTS: SAW CUTS OR TOOLED JOINTS SHALL BE USED TO FORM CRACK CONTROL JOINTS IN NON-STRUCTURAL SLABS ON GRADE. SAW CUTS SHALL BE MADE AS SOON AS THE SLAB WILL SUPPORT THE SAW AND THE SAW WILL NOT DISLODGE THE CONCRETE, BUT BEFORE TWO (2) HOURS AFTER POURING OF THE CONCRETE. AN EARLY ENTRY SAW SUCH AS THE "SOFF-CUT" SAW BY SOFF-CUT INTERNATIONAL (800) 776-3328 IS RECOMMENDED.

19. CONSTRUCTION JOINTS: THOROUGHLY CLEAN AND ROUGHEN ALL HARDENED CONCRETE SURFACES. TO RECEIVE NEW CONCRETE. INTERFACE SHALL BE ROUGHENED TO A FULL AMPLITUDE OF 1/4", U.N.O.

### J. STEEL

- 1. GRADE & FABRICATION:
- WF SECTIONS: ASTM 992 (Fy = 50 KSI)
- CHANNELS, ANGLES, PLATES, SOLID BARS, ANCHOR RODS, & THREADED RODS: ASTM A36 (Fy = 36 KSI)
- HOLLOW STRUCTURAL SECTIONS: ASTM A500 GRADE C (Fy= 46 KSI) FOR ROUND MEMBERS AND

THE JOB SITE FOR EXAMINATION BY THE DESIGN ENGINEER AND THE MUNICIPAL INSPECTOR.

(Fy= 50 KSI) FOR RECTANGULAR MEMBERS • STEEL PIPE SECTIONS: ASTM A53, GRADE B. (Fy = 36 KSI)

ALL STRUCTURAL STEEL SHALL HAVE MILL CERTIFICATION. MILL CERTIFICATION SHALL BE KEPT ON

2. BOLTS/THREADED RODS: ALL BOLTS (EXCEPT ANCHOR BOLTS PER [F.11/S1.1]) SHALL CONFORM TO ASTM A3070R BE GRADE 36, UNLESS OTHERWISE NOTED ON PLANS. HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM A325N, UNLESS OTHERWISE NOTED ON PLANS. ALL HIGH STRENGTH BOLTS SHALL HAVE MILL CERTIFICATION. MILL CERTIFICATION SHALL BE KEPT ON THE JOB SITE FOR EXAMINATION BY THE DESIGN ENGINEER AND THE MUNICIPAL INSPECTOR. SLIP CRITICAL (SC) CONNECTIONS REQUIRE HARDENED WASHERS. <u>SEE ALSO INSPECTIONS BELOW.</u>

3. COATING: ALL STEEL NOT ENCASED IN CONCRETE OR CONCRETE BLOCK SHALL HAVE ONE SHOP COAT OF ZINC CHROMATE. PORTIONS INACCESSIBLE AFTER ASSEMBLY SHALL HAVE TWO COATS OF SHOP PAINT. AFTER ERECTION, ALL NUTS, BOLT HEADS, AND ABRASIONS TO THE SHOP COAT SHALL RECEIVE A TOUCH-UP COAT. ALL STEEL PERMANENTLY EXPOSED TO THE ELEMENTS IS TO BE HOT DIPPED GALVANIZED. ALL FAYING SURFACES OF STEEL THAT ARE TO BE ATTACHED WITH SLIP CRITICAL BOLTS SHOULD BE FREE OF ANY PAINT, OIL OR GREASE AND BE BLAST CLEANED AND PAINTED WITH PAINT WHICH HAS BEEN QUALIFIED AS CLASS A OR B.

4. WELDS: ALL WELDING SHALL BE DONE USING E70 ELECTRODES W/ A MIN. CHARPY V-NOTCH VALUE OF 20 FT-LBS. @ 0°F (EG. E70TG-K2, E71T-8 OR E70T-6). ALL WELDERS SHALL BE PROPERLY QUALIFIED AND BE PRE-APPROVED. ALL WELDING SHALL COMPLY WITH THE LATEST A.W.S. SPECIFICATIONS. WHEN WELDING A36 STEEL MORE THAN 1" THICK, USE LOW HYDROGEN ELECTRODES.

5. BASE PLATE GROUTING: USE "NON-FERROUS NON-SHRINK GROUT", WITH A MIN. 28 DAY STRENGTH OF 7000 PSI, UNDER ALL BASE PLATES. <u>DRY PACK IS NOT ALLOWED.</u> ALL EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS.

a. GROUT SURFACE PREPARATION: CLEAN ALL CONCRETE BONDING SURFACES TO REMOVE GREASE, OIL, DIRT AND OTHER CONTAMINATION. ROUGHEN CONCRETE BONDING SURFACES AND REMOVE ALL LAITANCE AND OTHER LOOSE MATERIAL DOWN TO SOUND CONCRETE. WET AREA THOROUGHLY FOR AT LEAST FOUR (4) HOURS (PREFERABLY TWENTY-FOUR [24] HOURS) PRIOR TO GROUTING.

6. INSPECTIONS: DURING THE WELDING OF ANY MEMBER OR CONNECTION WHICH IS DESIGNED TO RESIST LOADS AND FORCES REQUIRED BY THE CALIFORNIA BUILDING CODE (C.B.C.) EXCEPT WHERE DONE IN AN APPROVED FABRICATOR'S SHOP IN ACCORDANCE WITH SECTION 1704.2.5 OF THE C.B.C.. THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING WELDING OF THE FOLLOWING ITEMS, PROVIDED THE MATERIALS, QUALIFICATIONS OF WELDING PROCEDURES AND WELDERS ARE VERIFIED PRIOR TO THE START OF WORK, PERIODIC INSPECTIONS ARE MADE OF WORK-IN-PROGESS; AND, A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO COMPLETION OR PRIOR TO SHIPMENT OF SHOP WELDING:

a. SINGLE-PASS FILLET WELDS NOT EXCEEDING 5/16" IN SIZE.

- b. FLOOR AND ROOF DECK.
- c. WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM OR COMPOSITE SYSTEM. d. WELDED SHEET STEEL FOR COLD-FORMED STEEL FRAMING MEMBERS; I.E., STUDS
- AND JOISTS. e. WELDING OF STAIRS AND RAILING SYSTEMS.

HIGH STRENGTH BOLTS MAY BE PERIODICALLY INSPECTED. THE INSPECTOR SHOULD MONITOR THE INSTALLATION OF BOLTS TO DETERMINE THAT ALL PLIES OF CONNECTED MATERIAL HAVE BEEN DRAWN TOGETHER AND THAT THE SELECTED PROCEDURE IS PROPERLY USED TO TIGHTEN ALL BOLTS.

7. TESTING: ALL COMPLETE PENETRATION GROOVE WELDS CONTAINED IN JOINTS AND SPLICES SHALL BE TESTED 100% EITHER BY ULTRASONIC TESTING OR RADIOGRAPHY, BY A DEPUTY INSPECTOR. THE DEPUTY INSPECTOR SHOULD REDUCE THE NUMBER OF TESTS PER EXCEPTIONS 1 AND 2 UNDER CBC SECTION 1705.2 WHERE THEY APPLY.

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### STRUCTURAL ENGINEER'S SITE VISIT SCHED.

ENGINEER/DATE COMMENTS: INSPECTION \*EXCAVATION & REINFORCING STEEL (AFTER ALL STEEL IS ERECTED) PROVIDE STRUCTURAL ENGINEER W/ A MIN. OF 48 HOURS ADVANCE NOTICE FOR ALL INSPECTIONS

\*CONTRACTOR TO CONTACT GEOTECHNICAL ENGINEER FOR INSPECTION PRIOR TO PLACING REINFORCING.

stPRIOR TO THE CONTRACTOR REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, THE SOILS ENGINEER SHALL ADVISE THE BUILDING OFFICIAL IN WRITING THAT: (1) THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT. (2) THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED. (3) THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE SOILS REPORT.

2022 CBC. SECTION 1704.6 REQUIRES THAT THE OWNER PROVIDE A "REGISTERED DESIGN PROFESSIONAL" TO PERFORM STRUCTURAL OBSERVATIONS.

### SHEET INDEX **S1.1** GENERAL NOTES **S3.1** FOUNDATION PLAN **S1.2** GENERAL NOTES **S4.1** FOUNDATION DETAILS TYPICAL DETAILS

**GENERAL NOTES** 

03/08/24 As Noted J.R. 2024001

### **ABBREVIATIONS** LDG'R LONG. LEDGER A.B. ABV. AC ALT. LONGITUDINAL ANCHOR BOLT ABOVE LSL LAMINATED STRAND LUMBER ASPHALT LVL LAMINATED VENEER LUMBER ALTERNATE ARCH. ARCHITECT(URAL) M.B. MACHINE BOLT MAX. MCL. MECH. MF. MTL. MFR. MIN. MISC. MAXIMUM MICROLAM BEAM BOARD MECHANICAL BLOCK(ING) BLK(G.) MOMENT FRAME (B) BLDG. BOTTOM MANUFACTURER BUILDING MINIMUM BLW. BELOW MISCELLANEOUS BEAM B.N. BOUNDARY NAILING (N) NLG. N.T.S. B.O.B. BOTTOM OF BEAM ABOVE TOP OF CONC. NOT TO SCALE B.O.F. BOTTOM OF FOOTING B.S. BOTH SIDES OC O.D. OPNG. OPP. ON CENTER OUTSIDE DIAMETER BSc BOUNDARY SCREWING OPENING C.A. COLUMN ABOVE OPPOSITE CBC CALIFORNIA BUILDING CODE P.A. POST ABOVE C.I.P. CAST-IN-PLACE PSL PARALLEL STRAND LUMBER CENTER LINE PERP. PERPENDICULAR CEILING JOIST PTDF PRESSURE TREATED CMU CONC. MASONRY UNIT DOUGLAS FIR CLR. CLEARANCE PLATE COL. COLUMN PLB. PARALLAM BEAM CONC. CONCRETE P/T POST TENSION(ED) CONTINUOUS CTSK COUNTERSINK RADIUS REINF.(G) REINFORCE(D)(ING) DBL. DOUBLE REQD.(G) REQUIRED(ING) Ø DIAMETER REV. REVERSED DET. DETAIL R.J. ROOF JOIST DIAG. DIAGONAL ROOF RAFTER DIM. DIMENSION D.J. S.S. SCL SDS DECK JOIST STAINLESS STEEL DN DOWN STRUCLAM BAR DIAMETER SIMPSON SDS SCREWS SHTG. SHEATHING (E) EXISTING SIM. S.O.G. SIMILAR EA. EACH SLAB ON GRADE E.J. EXPANSION JOINT SPC STANDARD PIPE COLUMN ELEV. ELEVATION SQ. SQUARE E.N. EDGE NAILING STD. STANDARD EQ. EQUAL STGD. STAGGERED EQUIP. EQUIPMENT STL. STSMS STEEL E.S. EACH SIDE SELF TAPPING SHEET ESc E.W. EDGE SCREWING METAL SCREWS EACH WAY S/W SHEAR WALL EXT. EXTERIOR (T) T&G TOP F.F. FINISHED FLOOR TONGUE AND GROOVE FLOOR JOIST FJ TAPERED GIRDER F.N. FIELD NAILING THRD. THREAD OR THREADED FND. FOUNDATION TYP. TYPICAL FLR. FLOOR T.O.B TOP OF BEAM FRMG. FRAMING T.O.M TOP OF MASONRY FSc FIELD SCREWING T.0.S TOP OF STEEL/SLAB FT. FOOT OR FEET T.O.W TOP OF WALL FTG. FOOTING TRUE NORTH TIMBERSTRAND BEAM GAUGE UBC GALV. GALVANIZED UNIFORM BUILDING CODE G.B. GRADE BEAM U.N.O. UNLESS NOTED OTHERWISE GLUE-LAM BEAM

VERTICAL SHEAR CAPACITY

WIDE WEIGHT

W.W.F.

X.S.

VERIFY IN FIELD

WIDE FLANGE

EXTRA STRONG

WELDED WIRE FABRIC

GYP. BD. GYPSUM BOARD

HEADER HANGER HEIGHT

HORIZONTAL

INTERIOR

HIGH STRENGTH BOLT HOLLOW STEEL SECTION

INTERNATIONAL CODE COUNCIL

INSIDE DIAMETER

HDG. HDR. HGR. HT.

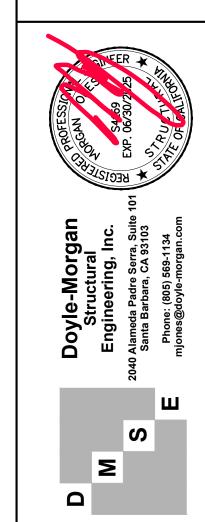
I.D. INT. ICC THE CONTRACTOR IS TO SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER, FOR INSTALLATION OF THE FOLLOWING ITEMS REQUIRING SPECIAL INSPECTION.

SI	PECIAL INSPECTIONS FOR SOILS	TABLE 1705.6 2022 CBC	
NO.	TYPE OF INSPECTION REQUIRED	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1.	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	_	×
2.	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	_	×
3.	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	_	×
4.	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	×	_
5.	PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	_	×

SPECIAL INSPECTIONS FOR CONCRETE					
NO.	TYPE OF INSPECTION REQUIRED	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1.	INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	_	X	ACI 318: CH. 20, 25.2,25.3, 26.5.1-26.5.3	1908.4
2.	REINFORCING BAR WELDING: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706; B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16": AND C. INSPECT ALL OTHER WELDS.	- X	X X	AWS D1.4 ACI 318: 26.5.4	_
3.	INSPECT ANCHORS CAST IN CONCRETE	_	X	ACI 318: 17.8.2	
4.	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.b A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATATIONS TO RESIST SUSTAINED TENSION LOADS. B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.	X	X	ACI 318 17.8.2.4 ACI 318 17.8.2	_
5.	VERIFYING USE OF REQUIRED DESIGN MIX	-	X	ACI 318: CH.19 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6.	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C 172 ASTM C 31 ACI 318: 26.4.5, 26.12	1908.10
7.	INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	×	_	ACI 318: 26.4.5	1908.6, 1908.7, 1908.8
8.	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE & TECHNIQUES	-	X	ACI 318:3 26.4.7-26.4.9	1908.9
12.	INSPECT FORMWORK FOR SHAPE, LOCATION & DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	-	×	ACI 318: 26.10.1(B)	_

SUMMARY OF SPECIAL INSPECTION - STEEL  SECTION 1 202						
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFEREN		
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL						
a. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360	-	X	AISC 360, SECTION M5.5			
<ul> <li>b. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS</li> </ul>	-	×	APPLICABLE ASTM MATERIAL STANDARDS			
c. MANUFACTURER'S CERTIFIED MILL TEST REPORTS	-	×				
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:						
a. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS	-	×	AISC 360, SECTION A3.5 AND APPLICABLE AWS A5 DOCUMENTS	_		
b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	-	X	-	_		
5. INSPECTION OF WELDING:						
a. STRUCTURAL STEEL						
1) COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	×	-				
2) MULTIPASS FILET WELDS	×	-				
3) SINGLE-PASS FILLET WELDS > 5/16"	×	-	AWS D1.1	1704.3.		
4) PLUG AND SLOT WELDS	X	_				
5) SINGLE-PASS FILLET WELDS ≤ 5/16"	-	X				
b. REINFORCING STEEL		1		1		
3) SHEAR REINFORCEMENT	×	-	AWS D1.4			
4) OTHER REINFORCING STEEL	_	X	ACI 318: SECTION 3.5.2	_		

SF	SPECIAL INSPECTIONS FOR CAST-IN-PLACE DEEP FOUNDATION ELEMENTS  TABLE 1705.8 2022 CBC								
NO.	TYPE OF INSPECTION REQUIRED	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED						
1.	OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT	×	_						
2.	VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMNES.	×	_						
3.	FOR CONCRETE ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3	_	_						



337 HOT SPRINGS SANTA BARBARA, C

# GENERAL NOTES

 Date
 03/06/24

 Scale
 As Noted

 Drawn
 J.R.

 Job Number
 2024001

**S1.2** 

