

Robert Reed, 11/10/2021 9:57:58 PM, S:\2018 Folder\18009.00 870 El Camino Del Mar.dwg, Larry Karp Design\200.dwg, Page Setup: GFDS.ctb, Plot Scale: 1/4"=1'-0", DWG To PDF.pc3

#### MONITORING PROGRAM

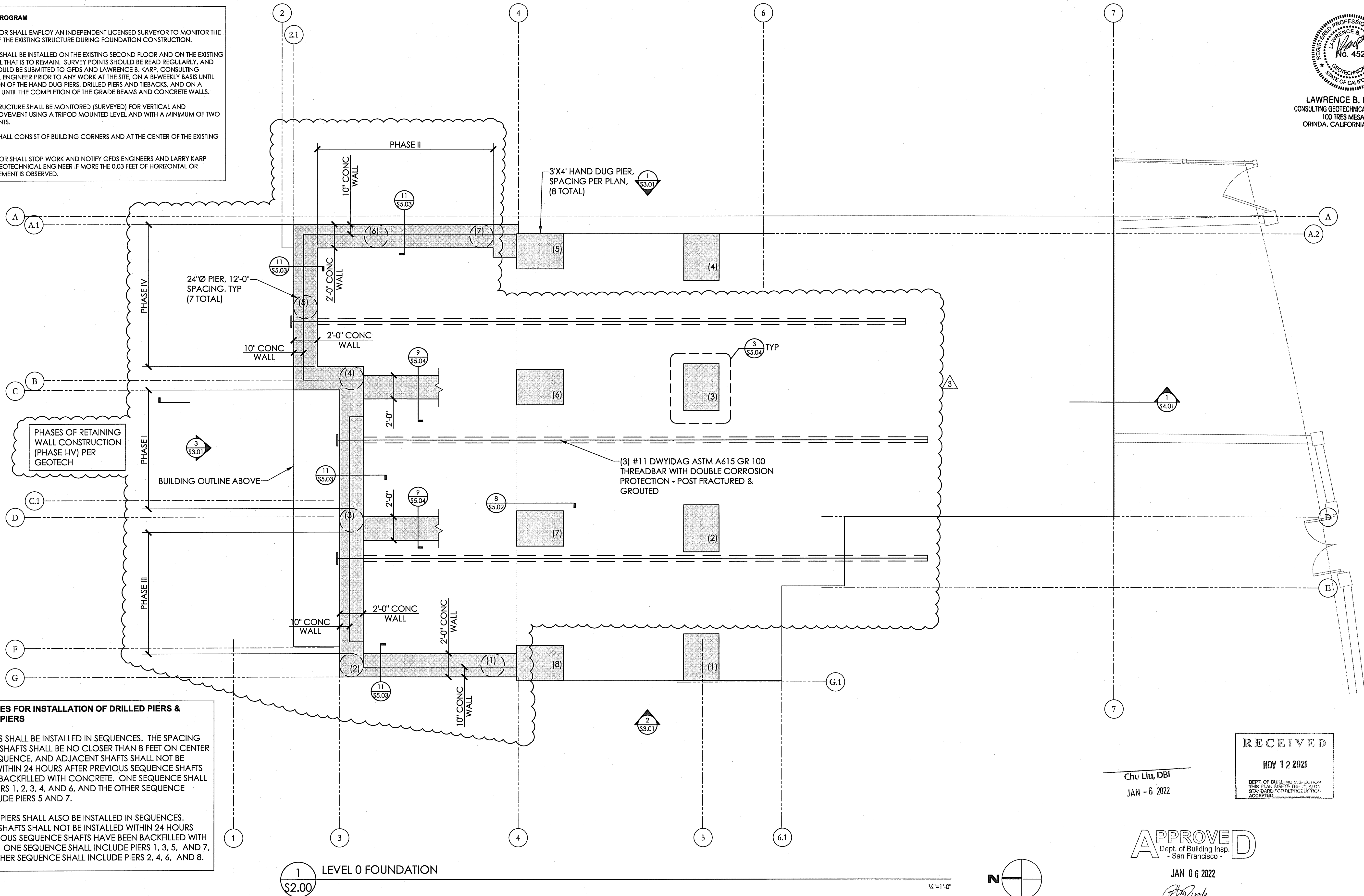
THE CONTRACTOR SHALL EMPLOY AN INDEPENDENT LICENSED SURVEYOR TO MONITOR THE MOVEMENTS OF THE EXISTING STRUCTURE DURING FOUNDATION CONSTRUCTION.

SURVEY POINTS SHALL BE INSTALLED ON THE EXISTING SECOND FLOOR AND ON THE EXISTING RETAINING WALL THAT IS TO REMAIN. SURVEY POINTS SHOULD BE READ REGULARLY, AND THE RESULTS SHOULD BE SUBMITTED TO GFDS AND LAWRENCE B. KARP, CONSULTING GEOTECHNICAL ENGINEER PRIOR TO ANY WORK AT THE SITE. ON A BI-WEEKLY BASIS UNTIL THE COMPLETION OF THE HAND DUG PIERS, DRILLED PIERS AND TIEBACKS, AND ON A MONTHLY BASIS UNTIL THE COMPLETION OF THE GRADE BEAMS AND CONCRETE WALLS.

THE EXISTING STRUCTURE SHALL BE MONITORED (SURVEYED) FOR VERTICAL AND HORIZONTAL MOVEMENT USING A TRIPOD MOUNTED LEVEL AND WITH A MINIMUM OF TWO REFERENCE POINTS.

MONITORING SHALL CONSIST OF BUILDING CORNERS AND AT THE CENTER OF THE EXISTING STRUCTURE.

THE CONTRACTOR SHALL STOP WORK AND NOTIFY GFDS ENGINEERS AND LARRY KARP CONSULTING GEOTECHNICAL ENGINEER IF MORE THE 0.03 FEET OF HORIZONTAL OR VERTICAL MOVEMENT IS OBSERVED.



#### PROCEDURES FOR INSTALLATION OF DRILLED PIERS & HAND-DUG PIERS

DRILL SHAFTS SHALL BE INSTALLED IN SEQUENCES. THE SPACING OF DRILLED SHAFTS SHALL BE NO CLOSER THAN 8 FEET ON CENTER IN EACH SEQUENCE, AND ADJACENT SHAFTS SHALL NOT BE INSTALLED WITHIN 24 HOURS AFTER PREVIOUS SEQUENCE SHAFTS HAVE BEEN BACKFILLED WITH CONCRETE. ONE SEQUENCE SHALL INCLUDE PIERS 1, 2, 3, 4, AND 6, AND THE OTHER SEQUENCE SHALL INCLUDE PIERS 5 AND 7.

HAND-DUG PIERS SHALL ALSO BE INSTALLED IN SEQUENCES. ADJACENT SHAFTS SHALL NOT BE INSTALLED WITHIN 24 HOURS AFTER PREVIOUS SEQUENCE SHAFTS HAVE BEEN BACKFILLED WITH CONCRETE. ONE SEQUENCE SHALL INCLUDE PIERS 1, 3, 5, AND 7, AND THE OTHER SEQUENCE SHALL INCLUDE PIERS 2, 4, 6, AND 8.

	CONCRETE WALL		WOOD WALL ABOVE		WOOD BEAM, FLUSH, U.O.N.		STEEL BEAM		WOOD POST ABOVE 4X6 OR DBL STUD, U.O.N.		WOOD POST BELOW 4X6 OR DBL STUD, U.O.N.		WOOD POST ABV & BLW 4X6 OR DBL STUD, U.O.N.		STRAP		SHEATHING		HANGER
	(E) CONCRETE WALL		WALL BELOW		(E) WOOD BEAM		MOMENT FRAME CONN		HSS 4X4X1/4 STEEL COLUMN, U.O.N.		WF STEEL COLUMN		2		2		2		2
	CONCRETE SLAB		WOOD SHEAR WALL, MIN OUT-OUT LENGTH		HEADER OR DROPPED BEAM, SIZE PER		MOMENT CONN AT CANTILEVER		4		4		4		4		4		4
	CONCRETE FOOTING		TIEDOWN		(E) HDR OR DROPPED BEAM		RAFTER OR JOIST		RAFTER OR JOIST		RAFTER OR JOIST		RAFTER OR JOIST		RAFTER OR JOIST		RAFTER OR JOIST		RAFTER OR JOIST
	(E) CONCRETE FOOTING		PERFORATED WOOD SHEAR WALL WITH STRAPS		10		10		10		10		10		10		10		10
	24"Ø CONCRETE PIER		SHEAR WALL BELOW		58.03		58.03		58.03		58.03		58.03		58.03		58.03		58.03
	24"Ø CONCRETE PIER		12		12		12		12		12		12		12		12		12

LAWRENCE B. KARP  
CONSULTING GEOTECHNICAL ENGINEER  
100 TRES MESAS  
ORINDA, CALIFORNIA 94563

HART HOWERTON  
NEW YORK - SAN FRANCISCO  
One Union Street, San Francisco, CA 94111  
Tel : 415 439 2200 Fax : 415 439 2201  
Email : S@hartowerton.com

Structural design for fine architecture  
GFDS ENGINEERS  
88 Chase Street, Third Floor  
San Francisco, California 94111  
415 612 1301

Reilly Residence  
Sea Cliff  
870 El Camino Del Mar  
San Francisco, CA

© Hart Howerton 2017  
The designs and concepts shown are the sole property of Hart Howerton and may not be used without the prior written consent of Hart Howerton.

SCALE : AS NOTED  
NOTE: THIS DRAWING IS 24"X36". DO NOT SCALE DRAWING. THE FINISHED DIMENSIONS ONLY, OR BEING CLARIFICATION FROM ARCHITECT FOR MEASUREMENTS THAT ARE NOT INDICATED.

DATE 10/04/2019  
ISSUE PERMIT ADDENDA

REVISIONS		
NO	DATE	ISSUE
1	1/10/20	SAC REVS
2	6/18/20	PLAN CHECK
3	11/09/21	FDN REVISION

DRAWING TITLE:  
LEVEL 1  
FOUNDATION &  
FRAMING PLAN  
PROJECT #: 18009  
DRAWN BY: RWR  
CHECKED BY: RWR  
DRAWING NO.: S2.00