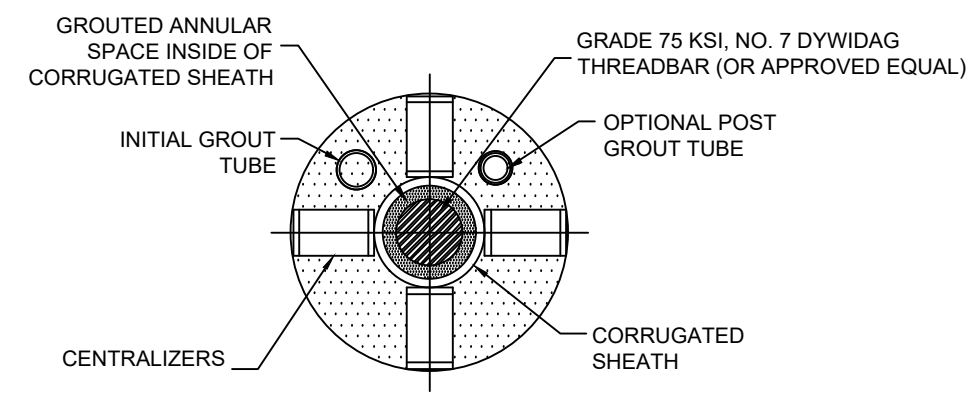


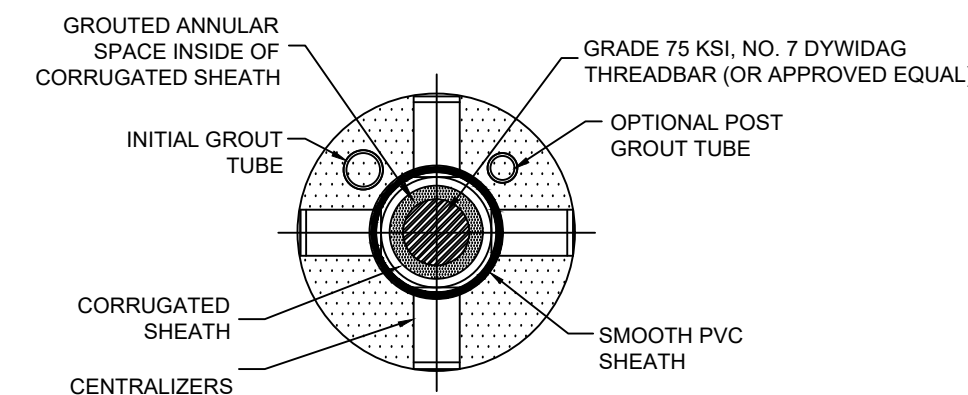
1 TIEBACK DETAIL
(NO SCALE)

TIEBACK NOTES:

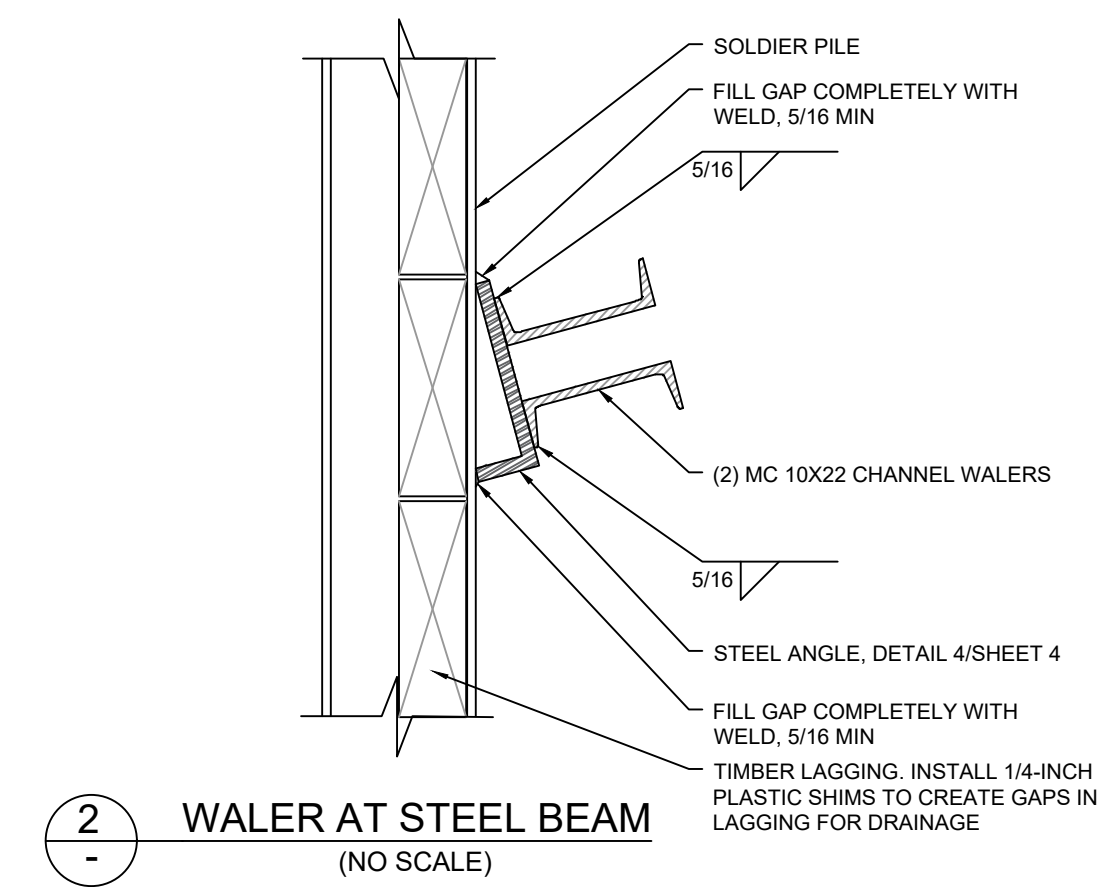
1. TIEBACK DESIGN LOAD = 22 KIPS, MAXIMUM TEST LOAD = 30 KIPS
2. HAND PACK GROUT IN REMAINING VOID UPON COMPLETION OF ANCHOR TEST LOADING AND FINAL ANCHOR LOCK-OFF
3. AFTER HAND-PACKED GROUT HAS CURED, PAINT ALL EXPOSED BAR, WALER, PLATE ASSEMBLY, WASHER AND NUT WITH COAL-TAR EPOXY COATING
4. INSTALL TRUMPET AND CAP AT NAIL HEAD AND FILL WITH GROUT OR GREASE PER MANUFACTURER'S RECOMMENDATIONS



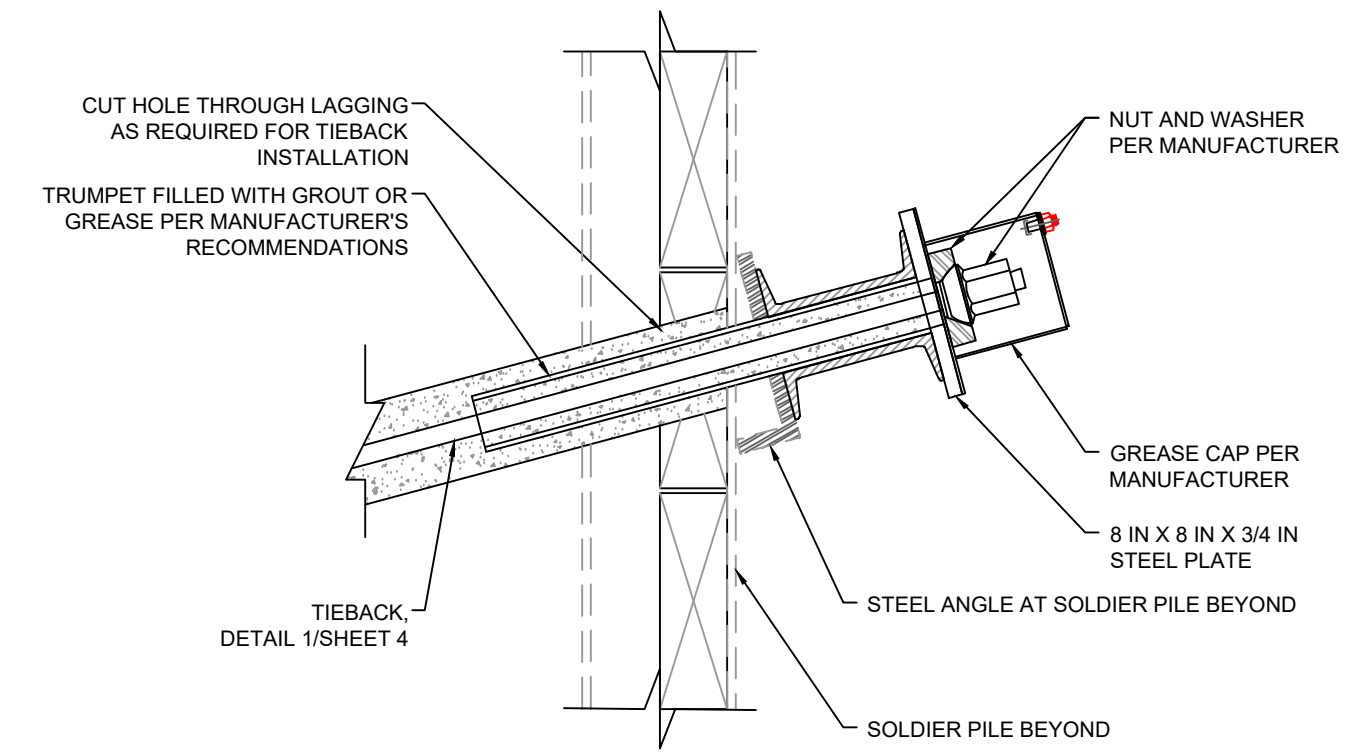
A BONDED TIEBACK SECTION
(NO SCALE)



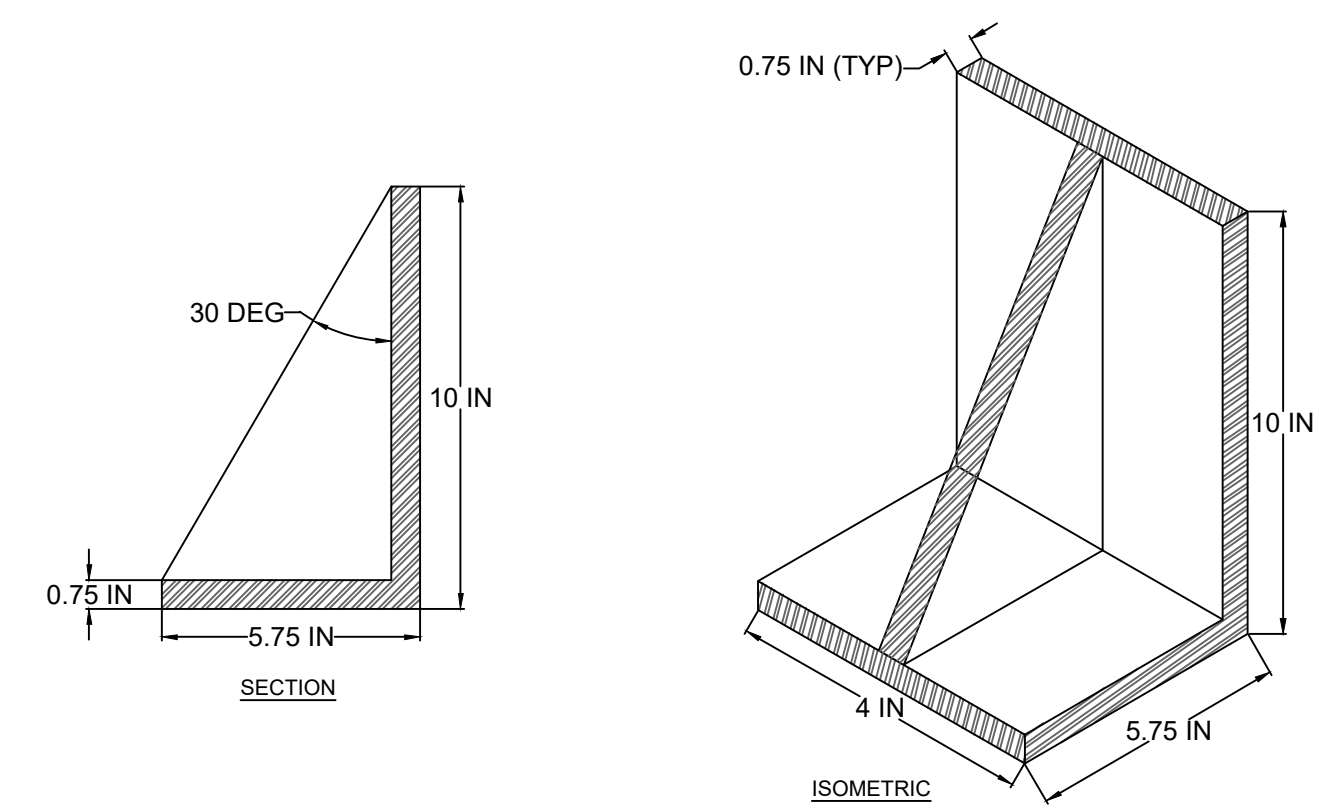
B UNBONDED TIEBACK SECTION
(NO SCALE)



2 WALER AT STEEL BEAM
(NO SCALE)



3 WALER AT TIEBACK
(NO SCALE)



4 STEEL ANGLE
(NO SCALE)

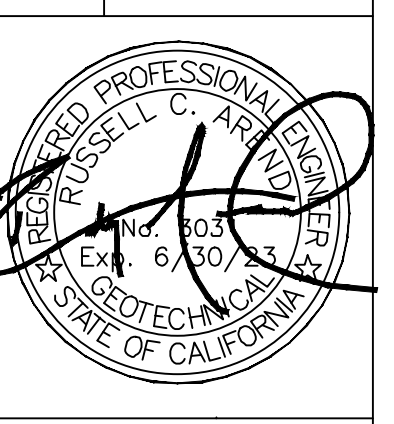
ISSUED FOR CONSTRUCTION	6/6/2023	RCA	Mark	Date	By

504 Redwood Blvd.
Suite 220
Novato, CA 94947
T 415 / 382-3444
F 415 / 382-3450
www.millerpac.com

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FILE: 201.143 Drawings, Construction Set.dwg

Designed	RCA
Drawn	RCA
Checked	SAS

TIEBACK & WALER DETAILS
Canyon Road Wall Replacement
145 Canyon Road
Fairfax, California
Date: 5/3/2023
Project No. 201.143

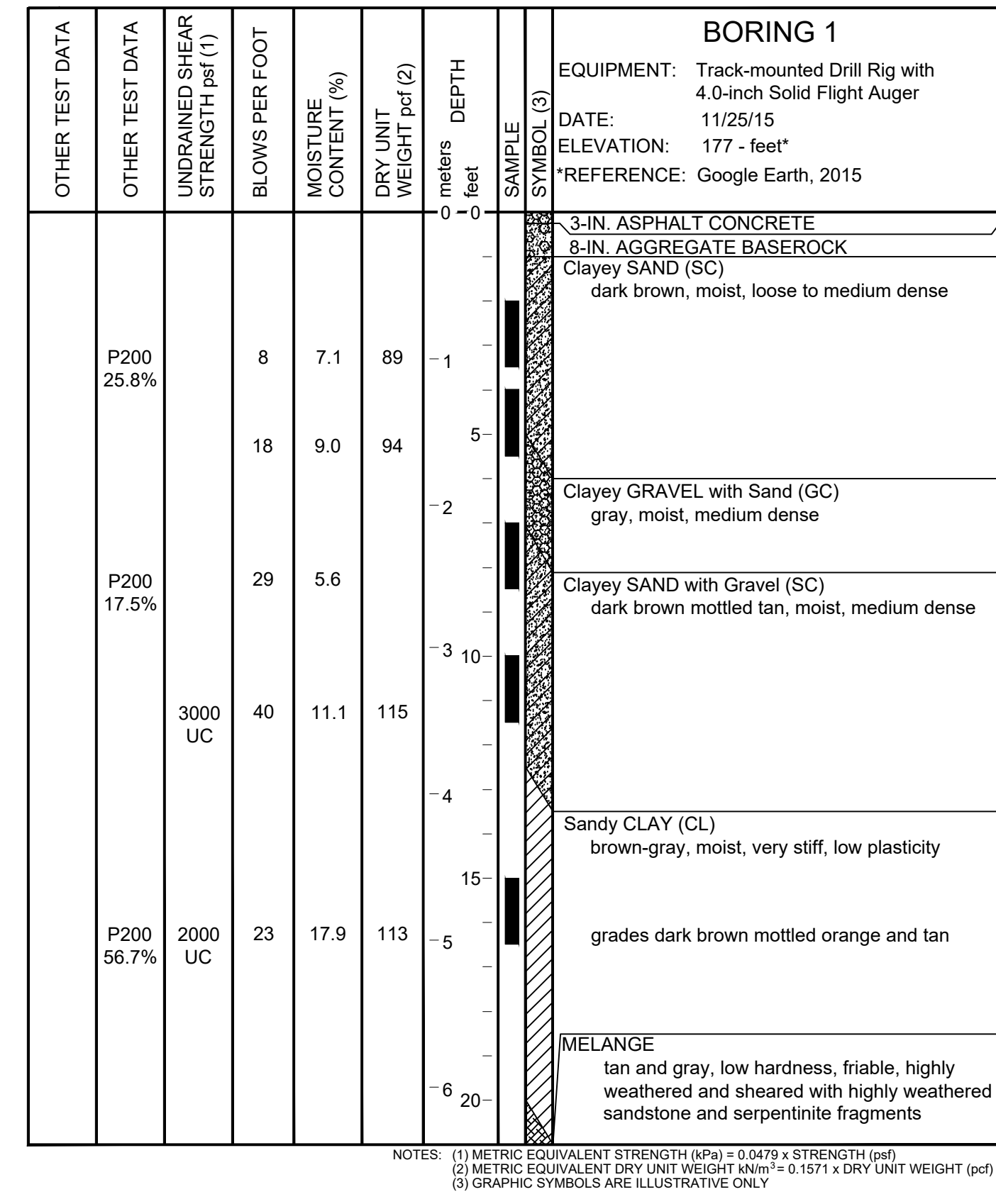


SHEET
4

MAJOR DIVISIONS	SYMBOL	DESCRIPTION	
COARSE GRAINED SOILS over 50% sand and gravel	CLEAN GRAVEL	GW Well-graded gravels or gravel-sand mixtures, little or no fines GP Poorly-graded gravels or gravel-sand mixtures, little or no fines	
	GRAVEL with fines	GM Silty gravels, gravel-sand-silt mixtures GC Clayey gravels, gravel-sand-clay mixtures	
		CLEAN SAND	SW Well-graded sands or gravelly sands, little or no fines SP Poorly-graded sands or gravelly sands, little or no fines
	SAND with fines	SM Silty sands, sand-silt mixtures SC Clayey sands, sand-clay mixtures	
		FINE GRAINED SOILS over 50% silt and clay	SILT AND CLAY liquid limit <50%
	SILT AND CLAY liquid limit >50%		MH Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts CH Inorganic clays of high plasticity, fat clays OH Organic clays of medium to high plasticity
			HIGHLY ORGANIC SOILS
	ROCK		

KEY TO BORING AND TEST PIT SYMBOLS	
CLASSIFICATION TESTS	STRENGTH TESTS
PI PLASTICITY INDEX	TV FIELD TORVANE (UNDRAINED SHEAR)
LL LIQUID LIMIT	UC LABORATORY UNCONFINED COMPRESSION
SA SIEVE ANALYSIS	TXCU CONSOLIDATED UNDRAINED TRIAXIAL
HYD HYDROMETER ANALYSIS	TXUU UNCONSOLIDATED UNDRAINED TRIAXIAL
P200 PERCENT PASSING NO. 200 SIEVE	UC, CU, UU = 1/2 Deviator Stress
P4 PERCENT PASSING NO. 4 SIEVE	
SAMPLER TYPE	SAMPLER DRIVING RESISTANCE
MODIFIED CALIFORNIA	Modified California and Standard Penetration Test samplers are driven 18 inches with a 140-pound hammer falling 30 inches per blow. Blows for the initial 6-inch drive seat the sampler. Blows for the final 12-inch drive are recorded onto the logs. Sampler refusal is defined as 50 blows during a 6-inch drive. Examples of blow records are as follows:
HAND SAMPLER	25 sampler driven 12 inches with 25 blows after initial 6-inch drive
STANDARD PENETRATION TEST	85/7" sampler driven 7 inches with 85 blows after initial 6-inch drive
THIN-WALLED / FIXED PISTON	50/3" sampler driven 3 inches with 50 blows during initial 6-inch drive or beginning of final 12-inch drive
X DISTURBED OR BULK SAMPLE	

NOTE: Test boring and test pit logs are an interpretation of conditions encountered at the excavation location during the time of exploration. Subsurface rock, soil or water conditions may vary in different locations within the project site and with the passage of time. Boundaries between differing soil or rock descriptions are approximate and may indicate a gradual transition.



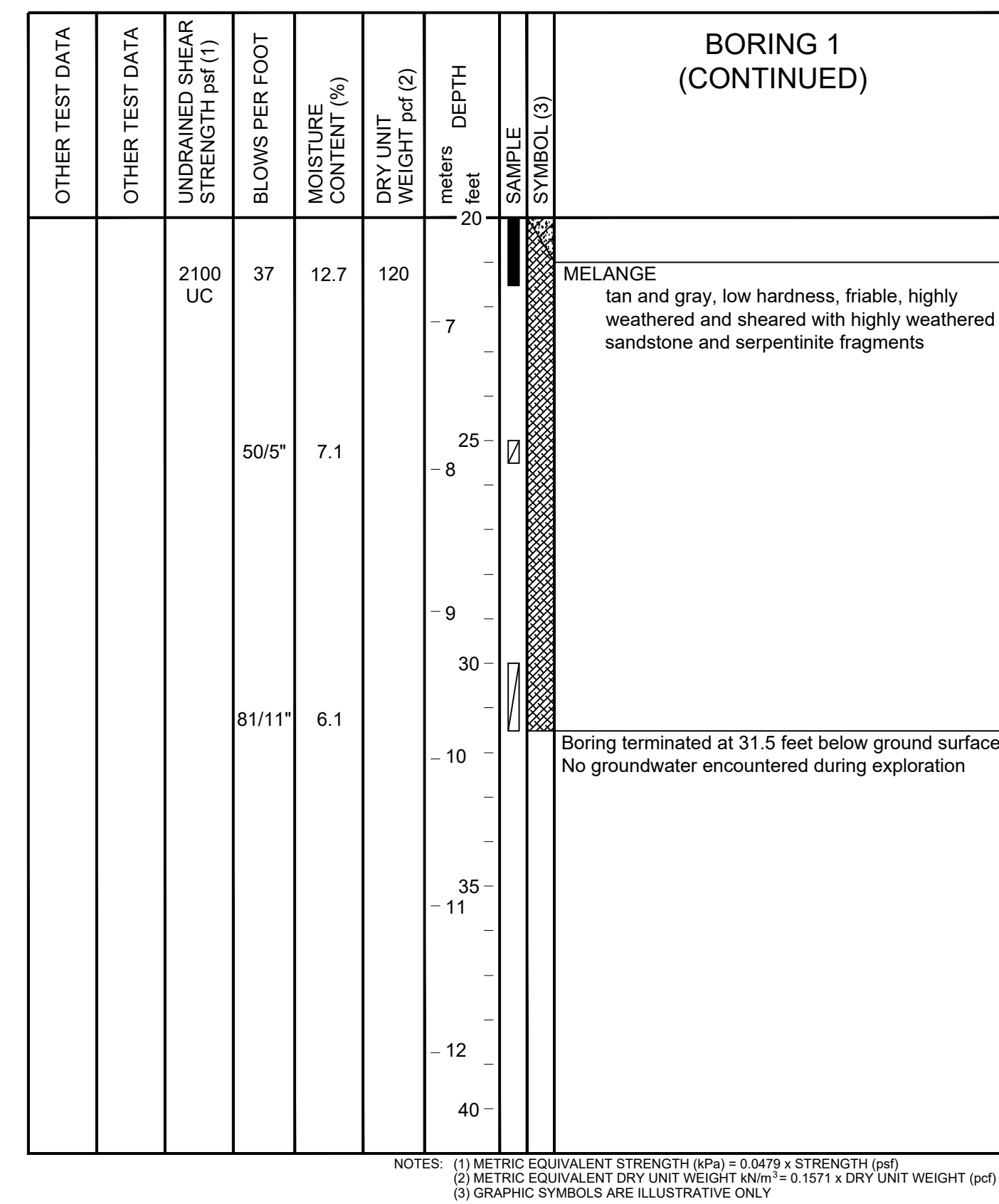
FRACTURING AND BEDDING		
Fracture Classification	Spacing	Bedding Classification
Crushed	less than 3/4 inch	Laminated
Intensely fractured	3/4 to 2-1/2 inches	Very thinly bedded
Closely fractured	2-1/2 to 8 inches	Thinly bedded
Moderately fractured	8 to 24 inches	Medium bedded
Widely fractured	2 to 6 feet	Thickly bedded
Very widely fractured	greater than 6 feet	Very thickly bedded

HARDNESS	
Low	Carved or gouged with a knife
Moderate	Easily scratched with a knife, friable
Hard	Difficult to scratch, knife scratch leaves dust trace
Very hard	Rock scratches metal

STRENGTH	
Friable	Crumbles by rubbing with fingers
Weak	Crumbles under light hammer blows
Moderate	Indentations <1/8 inch with moderate blow with pick end of rock hammer
Strong	Withstands few heavy hammer blows, yields large fragments
Very strong	Withstands many heavy hammer blows, yields dust, small fragments

WEATHERING	
Complete	Minerals decomposed to soil, but fabric and structure preserved
High	Rock decomposition, thorough discoloration, all fractures are extensively coated with clay, oxides or carbonates
Moderate	Fracture surfaces coated with weathering minerals, moderate or localized discoloration
Slight	A few stained fractures, slight discoloration, no mineral decomposition, no affect on cementation
Fresh	Rock unaffected by weathering, no change with depth, rings under hammer impact

NOTE: Test boring and test pit logs are an interpretation of conditions encountered at the location and time of exploration. Subsurface rock, soil and water conditions may differ in other locations and with the passage of time.



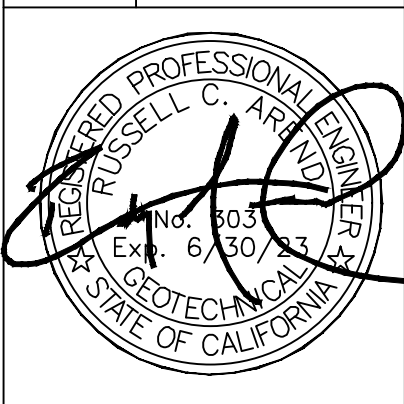
ISSUED FOR CONSTRUCTION	DESCRIPTION	MARK	DATE
6/6/2023	RCA		

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Designed	RCA
Drawn	RCA
Checked	SAS

BORING LOGS
Canyon Road Wall Replacement
145 Canyon Road
Fairfax, California
Project No. 201_143
Date: 5/3/2023



SHEET
5

