ADDENDUM NO. 1 August 7, 2024

Project: 103 Rocca Road Stabilization and Retaining Wall Project

Town of Fairfax and Miller Pacific

Engineering Group

From: Loren Umbertis

Public Works Director Fairfax, CA 94930

This Addendum forms a part of the Contract Documents and modifies the original bidding documents as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

Enclosed herein is Addendum Number 1 for the above referenced project. Addendum Number 1 forms a part of the Contract Documents and modifies OR clarifies the original plans and specifications and shall be acknowledged in the Addendum Acknowledgement page. **All other conditions remain the same.**

ADDENDUM NUMBER 1

- 1. Sheet 1 (Title Sheet) has been revised to update the Sheet Index so that the Boring Log is included as Sheet 7. Best Management Practices & Details (previously Sheet 7) was changed to Sheet 8.
- 2. Sheet 2 (Retaining Wall Plan & Profile) was updated to include the approximate location of the geotechnical boring.
- 3. Sheet 7 was added to include the Boring Log from the geotechnical boring.
- 4. The requirement for steel posts for the guardrail was removed from the Bid Schedule and Section 2525 of the Specifications since either steel or wood posts will be accepted.

Response to Bidders Ouestions:

1. Is mesh for retaining wall railing galvanized?

Yes. The mesh shall be galvanized per ASTM A1060.

2. What is the design load for the tiebacks?

The design load for the tiebacks is 45 kips. The maximum test load is 60 kips. Please refer to Detail 3 on Sheet 6.

3. Will any pavement restoration be required?

Pavement restoration is not anticipated since the work will occur beyond the roadway.

4. How will the location of the wall be laid out?

The Town will provide construction staking for the center of piles (at the requested offset) for use in the wall layout. Any destruction of stakes by the Contractor shall constitute cause to hold the Contractor liable for

the cost of re-staking.

5. Is there a soils report for the project?

A geotechnical report was not prepared for the project. A geotechnical boring was completed in 2010 and is included as Sheet 7 in the plans issued as part of this Addendum. The approximate location of the boring is shown on Sheet 4.

6. The current existing guardrail is a Midwest railing system mounted on wood posts. The specifications on page 149 of the bid packet the Town provided specifies the railing to be mounted on steel posts?

Wood or steel posts are acceptable. Wood posts shall conform to Caltrans Standard Plan A77L1. Steel posts shall conform to Caltrans Standard Plan A77L2.

7. Can you please confirm which post system you are wanting to be included in our price?

Please refer to response to Question 6 above. Either option is acceptable to the Town.

8. Can you also confirm whether or not you would like blocking for this project, and if so, plastic or wooden? And 8" or 12"?

Blocking for the guardrails is required. The blocking should conform to the Standard Plans noted in Question 6 above.

9. Is there a specified / preferred length of the metal panels for the guardrail? I can get pricing for 6ft or 8ft panels?

Panels should conform to the typical rail element shown on Caltrans Standard Plan A77M1.

END ADDENDUM NUMBER 1

Please complete the Addendum Acknowledgement in the Proposal Form acknowledging receipt of this addendum.

Thank you for your interest in this project. If you have any questions regarding this addendum, please contact Loren Umbertis (lumbertis@townoffairfax.org) and Mike Jewett (mjewett@millerpac.com), before 12 PM August 9th, 2023 at Miller Pacific Engineering Group, 707-765-6140. Answers after that time may not be answered due bidding restrictions.

Sincerely Yours, LOREN UMBERTIS Director of Public Works

ADDENDUM NO. 1

By: Mike Jewett, C.E.G. and Scott Stephens, G.E. Miller Pacific Engineering Group Interim Town Engineer

A. BID SCHEDULE

				Unit	
Item	Description	Quantity	Unit	Cost	Extension
1	Mobilization	1	LS		
2	Clearing and Grubbing	1	LS		
3	Demolition and Removal	1	LS		
4	18-Inch Drilled Hole	165	LF		
5	Steel Soldier Pile	253	LF		
6	Timber Lagging	420	SF		
7	Tieback Anchors	5	EA		
8	Steel Waler	25	LF		
9	Backfill	125	CY		
10	Rock Slope Protection	8	TON		
11	Midwest Guardrail System (Steel Post)	50	LF		
12	Retaining Wall Safety Rail	50	LF		
13	Hydroseeding and Planting	1	LS		
Total					

The costs for any Work shown or required in the Contract Documents, but not specifically identified as a line item are to be included in the related line items and no additional compensation shall be due to Contractor for the performance of the Work.

In case of discrepancy between the Unit Price and the Item Cost set forth for a unit basis item, the unit price shall prevail and shall be utilized as the basis for determining the lowest responsive, responsible Bidder. However, if the amount set forth as a unit price is ambiguous, unintelligible or uncertain for any cause, or is omitted, or is the same amount as the entry in the "Item Cost" column, then the amount set forth in the "Item Cost" column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained shall be the Unit Price.

For purposes of evaluating Bids, the Town will correct any apparent errors in the extension of unit prices and any apparent errors in the addition of lump sum and extended prices.

The estimated quantities for Unit Price items are for purposes of comparing Bids only and the Town makes no representation that the actual quantities of work performed will not vary from the estimates. Final payment shall be determined by the Engineer from measured quantities of work performed based upon the Unit Price.

SECTION 2525 MIDWEST GUARDRAIL

PART 1- GENERAL

1.01 SCOPE OF WORK

A. Work Included – Midwest Guardrail shall include installing guardrail as shown on the Drawings, or as directed by the Engineer.

PART 2 – PRODUCTS

- A. Midwest Guardrail System shall conform to Section 83-2.02 of Caltrans Standard Specifications and shall be galvanized.
- B. Posts shall be steel.

PART 3.0 – MEASUREMENT AND PAYMENT

Midwest Guardrail System will be measured by linear feet (LF). The contract unit price paid for linear feet (LF) of Midwest Guardrail System shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in constructing the guardrail, including site access, coordination, fabrication, installation, and any other work required to install the guardrail, complete in place, as specified in these Specifications, and as directed by the Engineer.

END OF SECTION

TOWN OF FAIRFAX DEPARTMENT OF PUBLIC WORKS

142 BOLINAS ROAD FAIRFAX, CALIFORNIA 94930 PHONE: (415) 453-0291

103 ROCCA DRIVE STABILIZATION AND RETAINING WALL PROJECT





SHEET INDEX

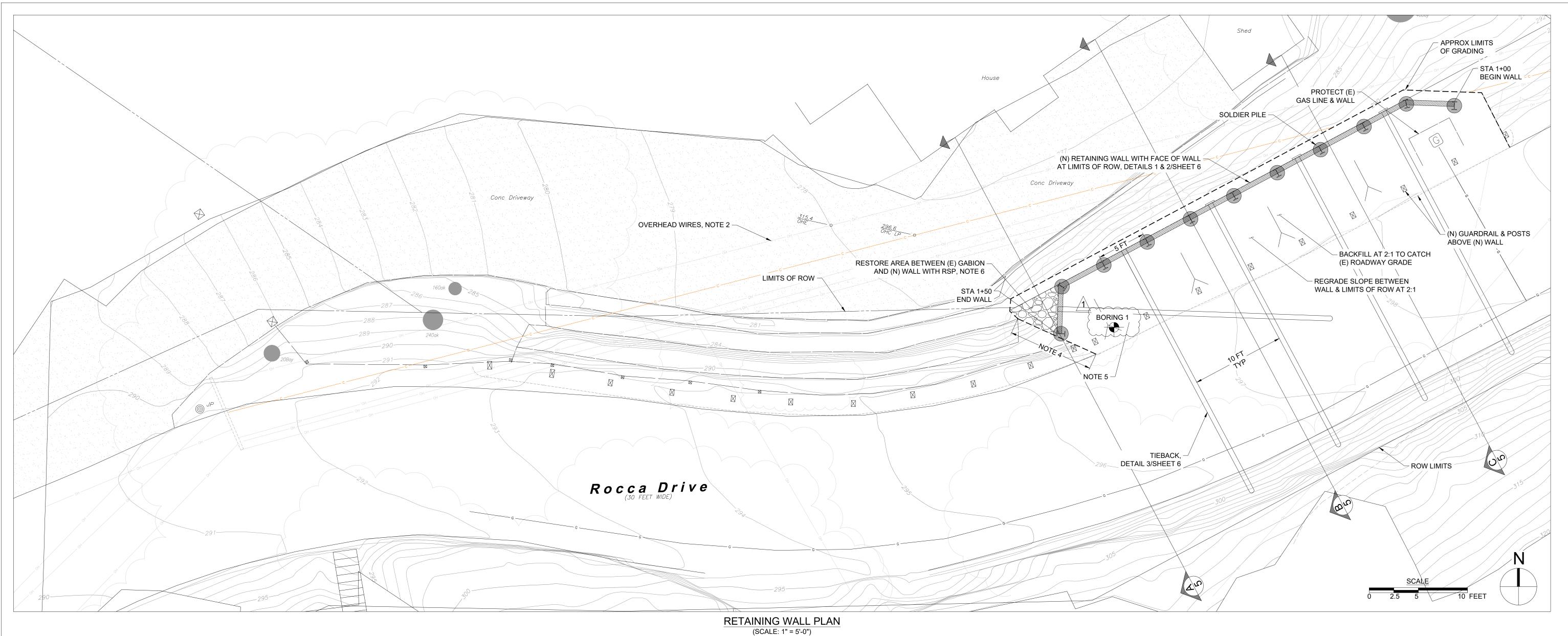
SHEET 1: TITLE SHEET SHEET 2: NOTES

SHEET 3: EXISTING CONDITIONS & DEMOLITION PLAN SHEET 4: RETAINING WALL PLAN & PROFILE

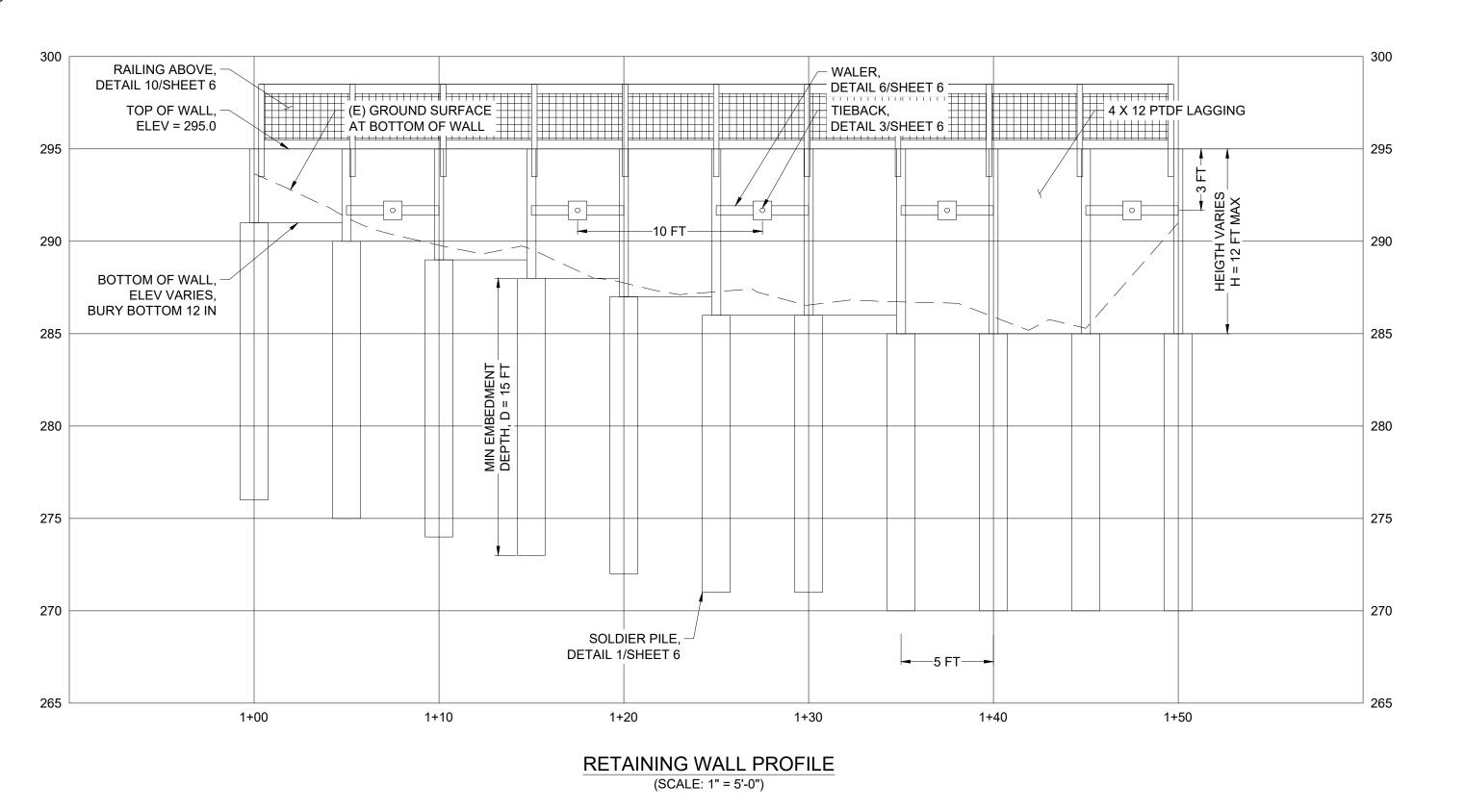
SHEET 5: SECTIONS SHEET 6: DETAILS

SHEET 7: BORING LOG

SHEET 8: BEST MANAGEMENT PRACTICES & DETAILS



- (1) THE CONTRACTOR SHALL COORDINATE WITH ENGINEER TO ESTABLISH THE RETAINING WALL, SOLDIER PILE AND TIEBACK LAYOUTS PRIOR TO DRILLING AND SOLDIER PILE AND TIEBACK INSTALLATION.
- (2) OVERALL SITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN PROPER CLEARANCES FROM EXISTING OVERHEAD WIRES. CONTRACTOR MAY NEED TO USE LOW OVERHEAD EQUIPMENT, SPLICING OF STEEL BEAMS, COORDINATE WITH UTILITY OWNER TO WRAP LINES OR OTHER MEANS TO FACILITATE WALL CONSTRUCTION.
- (3) ALL SLOPING/BENCHING AND SHORING SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER AND SUBMITTED TO THE TOWN FOR REVIEW AND ACCEPTANCE.
- (4) THIS LINE REPRESENTS THE APPROXIMATE EASTERN BOUNDARY OF THE EXISTING GABION STRUCTURE. CONTRACTOR SHALL POTHOLE AS REQUIRED TO EXPOSE THE ACTUAL LIMITS OF THE GABION DURING CONSTRUCTION.
- (5) STEEPEN VERTICAL BATTER OF TIEBACKS UP TO 25 DEGREES TO AVOID CONFLICTS WITH OTHER TIEBACKS OR (E) UTILITIES.
- (6) PLACE CALTRANS CLASS III AND IV RSP AT 1:1 OR FLATTER USING METHOD A PLACEMENT AS REQUIRED TO BUTTRESS ANY UNSUPPORTED EXCAVATIONS THAT REMAIN BETWEEN (E) GABION AND (N) RETAINING WALL. LINE THE SURFACE WITH CALTRANS CLASS 8 RSP FABRIC PRIOR TO RSP PLACEMENT. GROUT RSP ONCE IN PLACE.



PROFILE RETAINING

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MAJOR DIVISIONS		SYI	MBOL		DESCRIPTION				
		GW		Well-gr	aded gravels or gravel-sand mixtures, little or no fines				
COARSE GRAINED SOILS over 50% sand and gravel	CLEAN GRAVEL	GP		Poorly-	graded gravels or gravel-sand mixtures, little or no fines				
	GRAVEL	GM		Silty gra	ivels, gravel-sand-silt mixtures				
	with fines	GC		Clayey	gravels, gravel-sand-clay mixtures				
	CLEAN SAND	SW		Well-gr	aded sands or gravelly sands, little or no fines				
	CLLAN SAND	SP		Poorly-	graded sands or gravelly sands, little or no fines				
	SAND	SM		Silty sa	nds, sand-silt mixtures				
	with fines	sc		Clayey	sands, sand-clay mixtures				
GRAINED SOILS 50% silt and clay	SILT AND CLAY	ML		with slig	ic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts ht plasticity				
	liquid limit <50%	CL			Inorganic clays of low to medium plasticity, gravely clays, sandy clays, silty clays, lean clays				
		OL		Organio	silts and organic silt-clays of low plasticity				
GRA 50%	SILT AND CLAY	МН		Inorgan	ic silts, micaceous or diatomaceous fine sands or silts, elastic silts				
FINE	liquid limit >50%	СН		Inorgan	ic clays of high plasticity, fat clays				
		ОН		Organio	clays of medium to high plasticity				
HIGHL	Y ORGANIC SOILS	PT		Peat, m	uck, and other highly organic soils				
ROCK				Undiffe	rentiated as to type or composition				
		KEY	го во	RING	AND TEST PIT SYMBOLS				
CLA	SSIFICATION 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			NEVE		TXUU UNCONSOLIDATED UNDRAINED TRIAXIAL				
P200 P4	PERCENT PASSING PERCENT PASSING				UC, CU, UU = 1/2 Deviator Stress				
	I LITOLINI I AGGING	NO. 4 OIL	. V L		SAMPLER DRIVING RESISTANCE				
SAM	IPLER TYPE				Modified California and Standard Penetration Test samplers are				
	MODIFIED CALIFORNIA		ŀ	HAND SAM	for the final 12-inch drive are recorded onto the logs. Sampler				
	STANDARD PENETRATION	TEST	X F	ROCK COR					
	THIN-WALLED / FIXED PISTO	ON	X	DISTURBED	25 sampler driven 12 inches with 25 blows after initial 6-inch drive				
				BULK SAMF	0.5.7.1				
NOTE:	Test boring and test pit logs ar at the excavation location durin soil or water conditions may ve and with the passage of time. descriptions are approximate a	ng the time ary in differ Boundarie	of explorati ent locations s between o	on. Subsurfa s within the p liffering soil o	ace rock, initial 6-inch drive or beginning of final 12-inch roject site drive r rock				
				wood Blvd.	SOIL CLASSIFICATION				
IV	liller Pacific		Suite 220						
EN	NGINEERING GROUP		Novato, CA 94947 T 415 / 382-3444		Fairfax - 103 Rocca Ave. Fairfax, California				
CALIFORNIA	CORPORATION, © 2010, ALL RIGHTS RI	ESERVED	F 415 /	382-3450	FIGURE				
LE: 201.14 BL			www mi	llerpac.com	Project No. 201.14 Date: 8/16/10 FIGURE				

Fracture Classification		Spacing	Bedding Classification
Crushed Intensely fractured Closely fractured Moderately fractured Widely fractured Very widely fractured		less than 3/4 inch 3/4 to 2-1/2 inches 2-1/2 to 8 inches 8 to 24 inches 2 to 6 feet greater than 6 feet	Laminated Very thinly bedded Thinly bedded Medium bedded Thickly bedded Very thickly bedded
	HA	ARDNESS	
Low Moderate Hard Very hard		Carved or gouged v Easily scratched wit Difficult to scratch, I Rock scratches me	th a knife, friable knife scratch leaves dust trace
	ST	RENGTH	
Friable Weak Moderate Strong Very strong	Crumbles unde Indentations <1 Withstands few	heavy hammer blows, yie	
Weak Moderate Strong	Crumbles unde Indentations <1 Withstands few Withstands man	r light hammer blows /8 inch with moderate blo heavy hammer blows, yie	
Weak Moderate Strong Very strong Complete Minerals High Rock dec coate Moderate Fracture	Crumbles unde Indentations <1 Withstands few Withstands man WEA	r light hammer blows /8 inch with moderate blo heavy hammer blows, yie ny heavy hammer blows, ATHERING but fabric and structure purch discoloration, all fracture or carbonates n weathering minerals, mo	elds large fragments yields dust, small fragments preserved es are extensively pderate or localized discoloration
Weak Moderate Strong Very strong Complete Minerals High Rock dec coate Moderate Fracture Slight A few sta no af	Crumbles unde Indentations <1 Withstands few Withstands man WEA decomposed to soil, composition, thorough with clay, oxides of surfaces coated with ined fractures, slightfect on cementation	r light hammer blows /8 inch with moderate blo heavy hammer blows, yie ny heavy hammer blows, ATHERING but fabric and structure p th discoloration, all fracture or carbonates n weathering minerals, mo t discoloration, no minera	elds large fragments yields dust, small fragments preserved es are extensively pderate or localized discoloration
Weak Moderate Strong Very strong Complete Minerals High Rock ded coate Moderate Fracture Slight A few sta no af Fresh Rock una	Crumbles unde Indentations <1 Withstands few Withstands man WEA decomposed to soil, composition, thorouged with clay, oxides of surfaces coated with ined fractures, slightect on cementation affected by weathering the stipit logs are an interpretations.	r light hammer blows /8 inch with moderate blo heavy hammer blows, yie ny heavy hammer blows, ATHERING but fabric and structure per th discoloration, all fracture or carbonates neweathering minerals, moderation, no mineral and, no change with depth,	elds large fragments yields dust, small fragments preserved es are extensively oderate or localized discoloration I decomposition, rings under hammer impact the location and time of exploration.
Weak Moderate Strong Very strong Complete Minerals High Rock ded coate Moderate Fracture Slight A few sta no af Fresh Rock una	Crumbles unde Indentations <1 Withstands few Withstands man WEA decomposed to soil, composition, thorouged with clay, oxides of surfaces coated with ined fractures, slightect on cementation affected by weathering the stipit logs are an interpretations.	r light hammer blows /8 inch with moderate blo heavy hammer blows, yie ny heavy hammer blows, ATHERING but fabric and structure purch discoloration, all fracture or carbonates n weathering minerals, moderated and the conditions and weather in order of conditions and weather in other locations are considered in other locations.	elds large fragments yields dust, small fragments preserved es are extensively oderate or localized discoloration I decomposition, rings under hammer impact the location and time of exploration.

OTHER TEST DATA	P.I.	UNDRAINED SHEAR STRENGTH psf (1)	BLOWS PER FOOT	MOISTURE CONTENT (%)	DRY UNIT WEIGHT pcf (2)	o meters DEPTH feet	SAMPLE	SYMBOL (3)	
	6	350 UC 400 UC	9 49 25/2" 50/ 4.5"	7.5 5.7	96	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -			7" Asphalt over 6" Aggregate Base Rock CLAYEY SAND (SC) Light brown, moist, loose to medium dense, very fine grained sand, ~40% low plasticity clay, occasional rootlet [Fill/Colluvium] SANDSTONE Light brown, very fine to fine grained sand, slightly to moderately weathered, hard, weak to friable, crushed, massive [bedrock] Grades weak to moderately strong at 7.5 feet SHALE Dark gray, moderately weathered, low hardness, weak to moderately strong, crushed [bedrock] Bottom of boring at 12.8 feet No groundwater encountered during drilling
	Mille				NOT 504 Redwoo Suite 220 Novato, CA	(2) ME (3) GF d Blvd.	ETRIC RAPH	EQUIC SY	BORING LOG Fax - 103 Rocca Ave. Fairfax, California

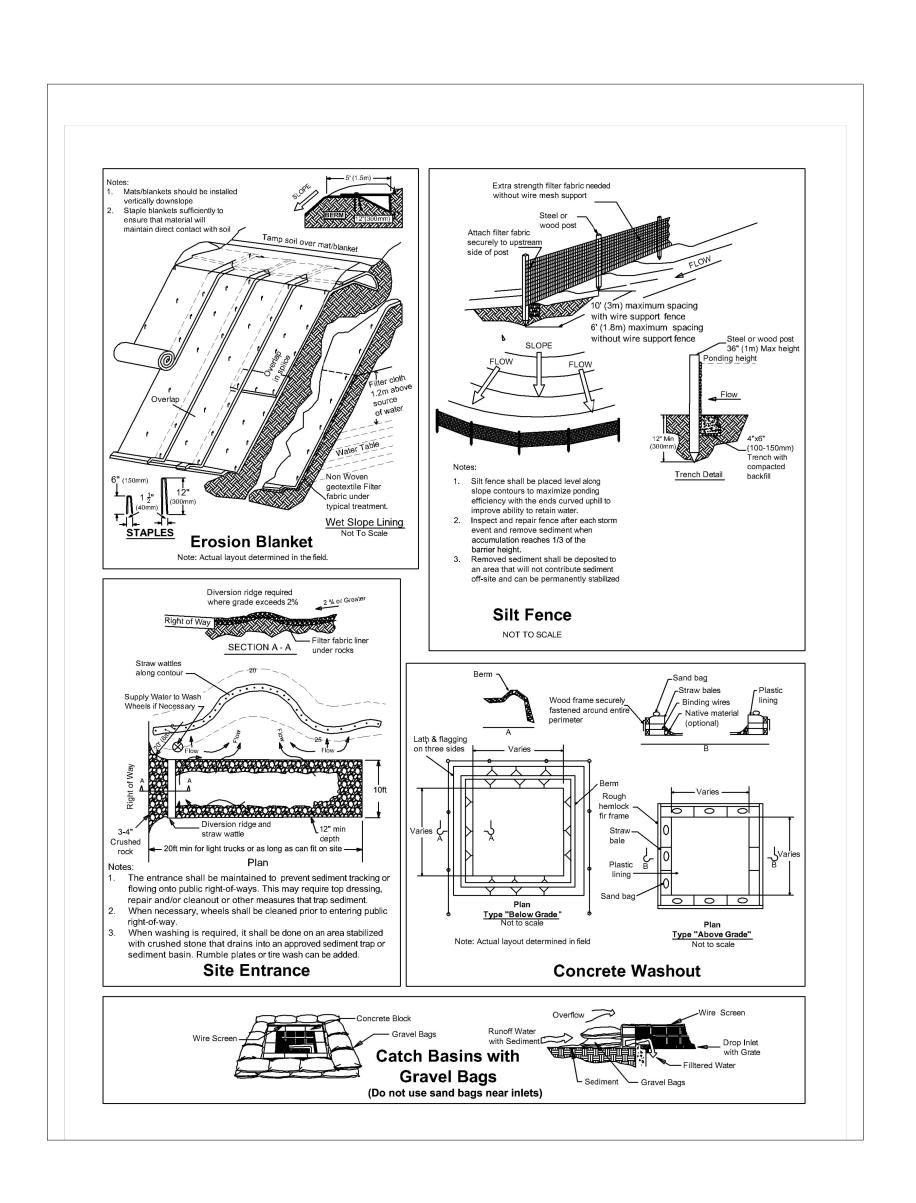
BORING LOG

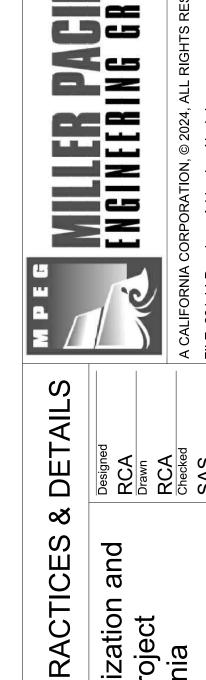
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If you require materials in alternative formats, please contact: 415-473-4381 voice/TTY or disabilityaccess@co.marin.ca.us

Cont	trol Measure	General Description
Eros	ion Control Best M	anagement Practices
N/A	Scheduling	Plan the project and develop a schedule showing each phase of construction. Schedule construction activiti to reduce erosion potential, such as scheduling ground disturbing activities during the summer and phasing projects to minimize the amount of area disturbed. For more info see the following factsheets: CASQA: ECor Caltrans: SS-1.
1	Preserve Existing Vegetation and Creek Setbacks	Preserve existing vegetation to the extent possible, especially along creek buffers. Show creek buffers on maps and identify areas to be preserved in the field with temporary fencing. Check with the local Planning a Public Works Departments for specific creek set back requirements. For more info see the following factsheets: CASQA: EC-2; or Caltrans: SS-2.
2	Soil Cover	Cover exposed soil with straw mulch and tackifier (or equivalent). For more info see the following factsheets CASQA: EC-3, EC-5, EC-6, EC-7, EC-8, EC-14, EC-16; or Caltrans: SS-2, SS-4, SS-5, SS-6, SS-7, SS-8.
3	Soil Preparation/ Roughening	Soil preparation is essential to vegetation establishment and BMP installation. It includes soil testing and amendments to promote vegetation growth as well as roughening surface soils by mechanical methods (decompacting, scarifying, stair stepping, etc.). For more info see the following factsheets: CASQA: EC-15.
4	Erosion Control Blankets	Install erosion control blankets (or equivalent) on disturbed sites with 3:1 slopes or steeper. Use wildlife-friendly blankets made of biodegradable natural materials. Avoid using blankets made with plastic netting or fixed aperture netting. See: http://www.coastal.ca.gov/nps/Wildlife-Friendly Products.pdf. For more info see the following factsheets: CASQA: EC-7; or Caltrans: SS-7.
5	Revegetation	Re-vegetate areas of disturbed soil or vegetation as soon as practical. For more info see the following factsheets: CASQA: EC-4; or Caltrans: SS-4.
Sedi	ment Control Best	Management Practices
6	Tracking Controls	Stabilize site entrance to prevent tracking soil offsite. Inspect streets daily and sweep street as needed. Require vehicles and workers to use stabilized entrance. Place crushed rock 12-inches deep over a geotextile, using angular rock between 4 and 6-in. Make the entrance as long as can be accommodated on the site, ideally long enough for 2 revolutions of the maximum tire size (16-20 feet long for most light trucks) Make the entrance wide enough to accommodate the largest vehicle that will access the site, ideally 10 feet wide with sufficient radii for turning in and out of the site. Rumble pads or rumble racks can be used in lieu or in conjunction with rock entrances. Wheel washes may be needed where space is limited or where the site entrance and sweeping is not effective. For more info see the following factsheets: CASQA: TC-1; TC-3; or Caltrans: TC-1; TC-3.
		Use fiber rolls as a perimeter control measure, along contours of slopes, and around soil stockpiles. On slopes space rolls 10 to 20 feet apart (using closer spacing on steeper slopes). Install parallel to contour. If more than one roll is used in a row overlap roll do not abut. J-hook end of roll upslope. Install rolls per either Type 1 (stake rolls into shallow trenches) or Type 2 (stake in front and behind roll and lash with rope). Use wildlife-friendly fiber rolls made of biodegradable natural materials. Avoid using fiber rolls made with plastic netting or fixed aperture netting. See: http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf . Manufactured linear sediment control or compost socks can be used in lieu of fiber rolls. For more info see the following factsheets: CASQA: SE-5 (Type 1); SE-12, SE-13; or Caltrans: SC-5 (Type and Type 2).
8	Silt Fence	Use silt fence as a perimeter control measure, and around soil stockpiles. Install silt fence along contours. Key silt fence into the soil and stake. Do not use silt fence for concentrated water flows. Install fence at leas feet back from the slope to allow for sediment storage. Wire backed fence can be used for extra strength. Avoid installing silt fence on slopes because they are hard to maintain. Manufactured linear sediment contro can be used in lieu of silt fences. For more info see the following factsheets: CASQA: SE-1; SE-12; or Caltrans: SC-1.
9	Drain Inlet Protection	Use gravel bags, (or similar product) around drain inlets located both onsite and in gutter as a last line of defense. Bags should be made of a woven fabric resistant to photo-degradation filled with 0.5-1-in washed crushed rock. Do not use sand bags or silt fence fabric for drain inlet protection. For more info see the following factsheets: CASQA: SE-10; or. Caltrans: SC-10.
N/A	Trench Dewatering	Follow MCSTOPPP BMPs for trench dewatering. http://www.marincounty.org/depts/pw/divisions/mcstoppp/development/~/media/Files/Departments/PW/mcstoppp/development/TrenchingSWReqMCSTOPPPFinal6_9.pdf. For more info see the following factsheets: CASQA: NS-2; or Caltrans: NS-2.
Goo	d Housekeeping Be	est Management Practices
10	Concrete Washout	Construct a lined concrete washout site away from storm drains, waterbodies, or other drainages. Ideally, place adjacent to stabilized entrance. Clean as needed and remove at end of project. For more info see the following factsheets: CASQA: WM-8; or .Caltrans: WM-8.
11	Stockpile Management	Cover all stockpiles and landscape material and berm properly with fiber rolls or sand bags. Keep behind the site perimeter control and away from waterbodies. For more info see the following factsheets: CASQA: WM-or Caltrans: WM-3.
12	Hazardous Material Management	Hazardous materials must be kept in closed containers that are covered and within secondary containment; do not place containers directly on soil. For more info see the following factsheets: CASQA: WM-6; or Caltrans: WM-6.
13	Sanitary Waste Management	Place portable toilets near stabilized site entrance, behind the curb and away from gutters, storm drain inlet and waterbodies. Tie or stake portable toilets to prevent tipping and equip units with overflow pan/tray (mos vendors provide these). For more info see the following factsheets: CASQA: WM-9; or Caltrans: WM-9.
14	Equipment and Vehicle Maintenance	Prevent equipment fluid leaks onto ground by placing drip pans or plastic tarps under equipment. Immediate clean up any spills or drips. For more info see the following factsheets: CASQA: NS-8, NS-9, and NS-10; or Caltrans: NS-8, NS-9, and NS-10.
15	Litter and Waste Management	Designate waste collection areas on site. Use watertight dumpsters and trash cans; inspect for leaks. Cove at the end of each work day and when it is raining or windy. Arrange for regular waste collection. Pick up sit litter daily. For more info see the following factsheets: CASQA: WM-5; or Caltrans: WM-5.





BEST MANAGEMENT PRACTICES

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