CITY OF SAUSALITO

420 Litho Street, Sausalito, CA 94965

Addendum No. 1

Issued June 13, 2023

For Bridgeway Slide Repair Below 268 Woodward Project Page 1 of 31

NOTICE TO ALL PLAN HOLDERS SUBMITTING BIDS FOR THIS WORK:

You are hereby notified of the following information, changes, clarifications or modifications to the original Contract Documents, Project Manual, Drawings, Specifications and subsequent Addenda. This Addendum shall supersede the original Contract Documents and previous Addenda wherein it contradicts the same and shall take precedence over anything to the contrary therein. All other conditions remain, UNCHANGED.

This Addendum is hereby made a part of the Contract Documents to the same extent as though it were originally included therein.

RESPONSE TO QUESTIONS

Question: The bid item quantity for Bid Item 6c MSE Retaining Walls seems to be way off.

Please review and clarify.

Response: Quantity is associated with a revised drawing which is attached to this Addendum 1.

REVISION:

Bid Schedule and Specifications

1. Revised Bid Schedule is attached. See revisions to bid item quantities for Bid Items: 3a, 3c, 6a, 6c, 6d, 8c, 8d, 9a & 9b.

New Bid Item 9c:

ITEM No.	DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL
9c	8" Diameter Solid Outfall Pipe	40	LF		

2. The second paragraph of Specification section 7.5 MEASURE AND PAYMENT on page 94, is revised as follows:

"The price paid per linear foot of 4" Diameter Solid Outfall Pipe (Bid Item 9a) and 8" Diameter Solid Outfall Pipe (Bid Item 9c) shall include full compensation for furnishing all labor for furnishing all labor, materials, tools, equipment and incidentals,

Bridgeway Slide Repair Project Addendum No. 1

and for doing all work involved in bedding, placing pipe, connecting to structures, cleanouts and backfilling complete and in place as shown on the plans and as directed by the Engineer and no additional compensation will be allowed therefor".

Plans

1. Sheets 1, 2, 3, 4, 5 & 6 have been revised and are attached.

Attachments to Addendum 1:

Bid Schedule Plan Sheets 1-6

Appendix 1 – Marin County Uniform Construction Standards

Appendix 2 - Draft Encroachment Permit

The Appendices, consisting of Appendix 1 – Marin County Uniform Construction Standards and Appendix 2 – Draft Encroachment Permit are included in this Addendum.

END OF ADDENDUM NO. 1

Issued By: City of Sausalito

Andrew Davidson Senior Engineer

ACKNOWLEDGED

Bidder's Signature

A signed copy of this addendum is to be submitted as a part of the bid package for the subject project. Failure to do so may subject the Bidder to Disqualification.

Bid Schedule

This Bid Schedule must be completed in ink and included with the sealed Bid Proposal. Pricing must be provided for each Bid Item as indicated. Items marked "(SW)" are Specialty Work that must be performed by a qualified Subcontractor. The lump sum or unit cost for each item must be inclusive of all costs, whether direct or indirect, including profit and overhead. The sum of all amounts entered in the "Extended Total Amount" column must be identical to the Base Bid price entered in Section 1 of the Bid Proposal form.

BID ITEM NO.	ITEM DESCRIPTION	EST. QTY.	UNIT	UNIT COST	EXTENDED TOTAL AMOUNT
1	Mobilization & Miscellaneous Items	1	LS	\$	\$
2	Clearing & Grubbing	1	LS	\$	\$
3	Tree Removal	\sim			
3a	Less than 12 inches DBH	1	ĒΑ	\$	
3b	12 to 24 inches DBH	4	EA	\$	
3c	Greater than 24 inches DBH	1	EA	\$	
4	Construction Area Sign	\mathcal{O}_{1}	EA	\$	
5	Traffic Control	1	LS	\$	\$
6	Site Grading & Wall Construction				
6a	Excavation for Walls and Benches *	1,500	CY		
6b	Import Additional Fill Materials *	450	CY		
6c	MSE Retaining Walls	2,550	SF.		
6d	MSE Slope Reconstruction *	1,200	ÇY		
7	Not Used				
8	Minor Concrete & Minor Structures				
8a	Curb and Gutter	200	LF	\$	\$
8b	Sidewalk	800	SF	\$	\$
8c	Concrete Lined Ditch – Type A	600)LF	\$	\$
8d	Concrete Drain Inlets with Side Opening	3) ∕EA	\$	\$
8e	Modify (E) Catch Basin	1	EA	\$	\$
9	Subdrains				
9a	4" Diameter Solid Outfall Pipe	35	LF	\$	\$
9b	4" Diameter Perforated Subdrains	370 -	LF	\$	\$

BID ITEM NO.	ITEM DESCRIPTION	EST. QTY.	UNIT	UNIT COST	EXTENDED TOTAL AMOUNT
9c	8" Diameter Solid Outfall Pipe	40	LF	\$	\$
10	Sidewalk Underdrains	2	EA	\$	\$
11	Storm Water Management & Erosion Control	5,750) SF	\$	\$

^{*} Final Pay Quantity

TOTAL BASE BID:	Items 1 through 11	inclusive: \$			
Note: The amount enter Section 1 of the Bid Pro		se Bid" should l	be identical to the	Base Bid amount	entered in

END OF BID SCHEDULE

BIDDER NAME: _____

CITY OF SAUSALITO BRIDGEWAY SLIDE REPAIR BELOW 268 WOODWARD SAUSALITO, CA



SITE LOCATION MAP

ABBREVIATIONS & SYMBOLS

APPROX APPROXIMATELY

BOTTOM OF WALL ELEVATION

OS CITY OF SAUSALITO

(E) EXISTING

IN INCH

FEET

NEW

LF LINEAR FEET

STD DET CALTRANS STANDARD DETAIL

TW TOP OF WALL ELEVATION

UCS MARIN CO. UNIFORM CONSTRUCTION STANDARDS

APPROX BORING LOCATION BY MILLER PACIFIC

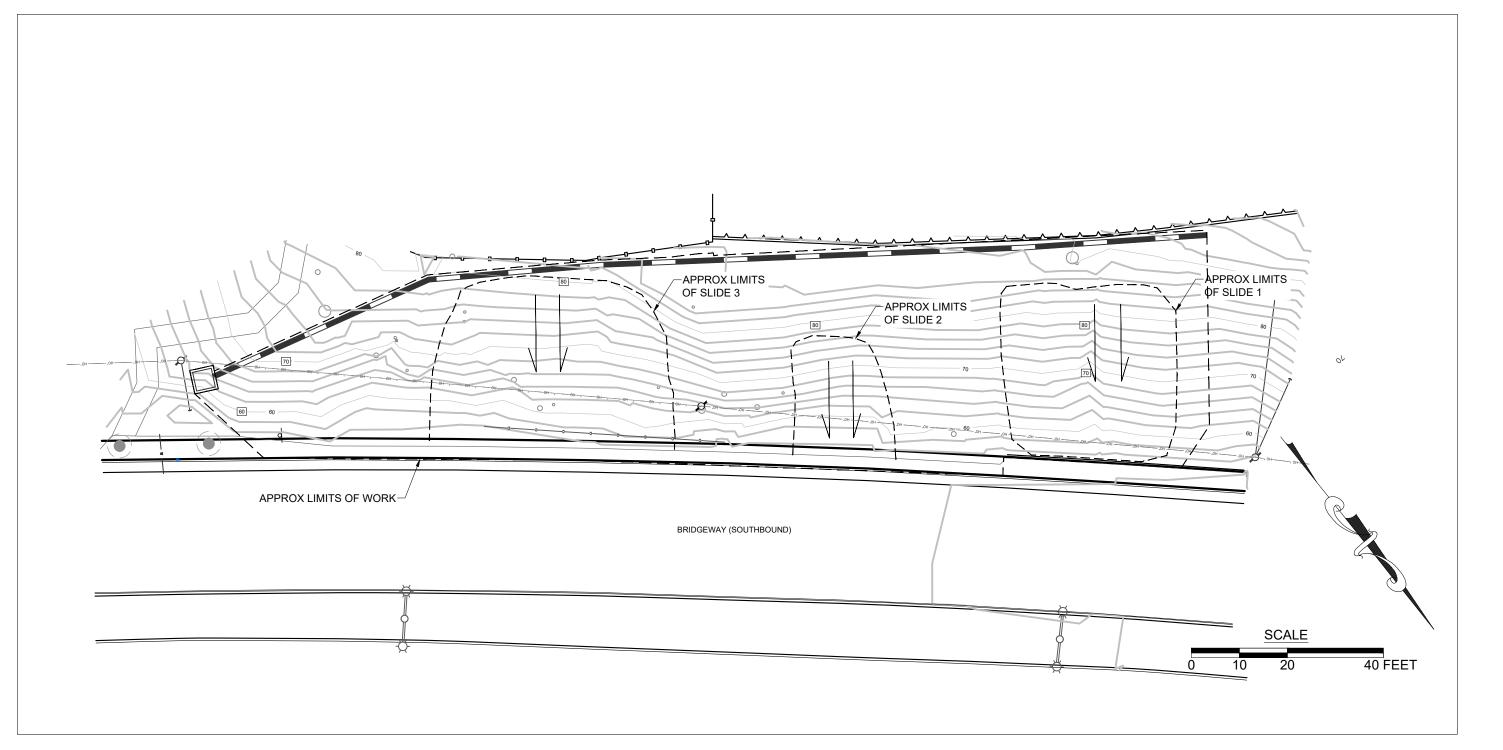
INDEX OF SHEETS SHEET NO. SHEET TITLE 1 TITLE SHEET & NOTES 2 EXISTING CONDITIONS & SLOPE REPAIR PLAN 3 RETAINING WALL PROFILES 4 SECTIONS & DETAILS 5 BORING LOGS 6 EROSION & SEDIMENT CONTROL

GENERAL

- 1. ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR. ANY DISCREPANCIES THAT REQUIRE CLARIFICATION OR REVISIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE STARTING WORK.
- 2. THE CONTRACTOR SHALL POSSES A CLASS "A" LICENSE.
- 3. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, SAFETY, AND SEQUENCE
- 4. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT PRIOR TO START OF ANY CONSTRUCTION. CONTRACTOR SHALL NOTIFY ALL PUBLIC OR PRIVATE UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO EXISTING UTILITY LINES. CONTRACTOR SHALL BE AWARE OF OVERHEAD LINES AT THE CONSTRUCTION SITE AND SHALL MAKE EVERY EFFORT TO PROTECT UTILITIES DURING CONSTRUCTION
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING UTILITIES IN THE FIELD. ANY UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- 6. CITY OF SAUSALITO ENCROACHMENT PERMIT IS REQUIRED FOR ALL WORK, INCLUDING STAGING OF MATERIALS AND EQUIPMENT IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN ENCROACHMENT PERMIT IN ACCORDANCE WITH THE PERMIT REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN TO THE ENGINEER FOR REVIEW PRIOR TO STARTING ANY WORK
- 7. THE CONTRACTOR SHALL COORDINATE WITH ENGINEER TO ESTABLISH THE RETAINING WALL LAYOUTS PRIOR TO BEGINNING EXCAVATION AND WALL CONSTRUCTION.
- 8. THE CONTRACTOR SHALL HAUL AWAY ALL UNUSED/EXCESS EXCAVATED MATERIAL OFF SITE FOR LEGAL DISPOSAL.
- 9. NO CONSTRUCTION MATERIALS, EQUIPMENT, DEBRIS OR WASTE SHALL BE PLACED OR STORED WHERE IT MAY BE SUBJECT TO WIND OR RAIN EROSION AND DISPERSION.
- 10. WORKMANSHIP TO BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS ALONG WITH 2018 CALTRANS STANDARD SPECIFICATIONS, MARIN COUNTY AND CITY OF SAUSALITO STANDARDS AND GENERALLY ACCEPTED CONSTRUCTION PRACTICES

SURVEY NOTES

1. TOPOGRAPHY BASED ON A FIELD SURVEY PERFORMED BY WILLIS SURVEYING IN 2017. CONTOURS ARE SHOWN EVERY TWO VERTICAL FEET.



MECHANICALLY STABILIZED EARTH (MSE) SLOPES & RETAINING WALLS

- REFER TO TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR MSE
 SLOPES & RETAINING WALLS.
- 2. GEOSYNTHETIC REINFORCING SHALL BE INSTALLED AS SHOWN ON THE PLANS AND SHALL CONSIST OF MIRAGRID 3XT OR APPROVED EQUAL.
- 3. BLOCKS USED IN WALL CONSTRUCTION SHALL BE VERSA-LOK STANDARD UNITS OR APPROVED FOLIAL
- 4. FILL USED FOR WALL BACKFILL AND FILL SLOPES SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING EIGHT INCHES IN THICKNESS. BACKFILL SHALL BE MOISTURE CONDITIONED TO AT LEAST TWO PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT AND COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION IN ACCORDANCE WITH ASTM D1557.

DRAINAGE

- 1. PIPE USED FOR DRAINAGE SHALL CONFORM TO ASTM D3034, SDR 35 OR APPROVED
- 2. USE SWEEP TYPE FITTINGS AT ALL CHANGES IN DIRECTION.
- 3. PIPE INSTALLATION SHALL CONFORM TO ALL REQUIREMENTS OUTLINED IN THE MOST RECENT VERSION OF THE CALIFORNIA PLUMBING CODE.EACH DRAINAGE PIPE SHALL BE PROVIDED WITH A CLEANOUT AT ITS UPSTREAM END, AND EACH RUN OF PIPING THAT IS MORE THAN 100 FEET IN TOTAL LENGTH SHALL BE PROVIDED WITH A CLEANOUT FOR EACH 100 FEET, OR FRACTION THEREOF, IN LENGTH OF PIPING. AN ADDITIONAL CLEANOUT SHALL BE PROVIDED IN A DRAINAGE LINE FOR EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING 135 DEGREES.
- 4. DRAIN INLETS SHALL CONSIST OF 24 IN X 24 IN DRAIN INLETS BY JENSEN PRECAST (MODEL NO. DI242436 OR DI242448) WITH ASSOCIATED RISERS AND PEDESTRIAN RATED GRATE COVERINGS OR APPROVED EQUAL.
- 5. RECTANGULAR SIDEWALK UNDERDRAINS SHALL CONSIST OF SIZE #3 BY FOUNDRY SERVICE & SUPPLIES, INC. OR APPROVED EQUAL.

PROPERTY MAP

EROSION & SEDIMENT CONTROL

- EROSION AND SEDIMENT CONTROL MEASURES SHALL COMPLY WITH ALL REQUIREMENTS OUTLINED IN THE MARIN COUNTY STORMWATER POLLUTION PREVENTION PROGRAM (MCSTOPPP) MINIMUM CONTROL MEASURES FOR SMALL CONSTRUCTION PROJECTS AS OUTLINED IN THE MCSTOPPP CONSTRUCTION EROSION AND SEDIMENT CONTROL PLAN APPLICANT PACKAGE.
- 2. ANY AREAS IN WHICH GROUND SURFACE AND VEGETATIVE COVER HAS BEEN DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE COVERED WITH A PRE-APPROVED SEED MIX AND BIODEGRADABLE EROSION CONTROL MATS UPON COMPLETION OF CONSTRUCTION.
- 3. EROSION CONTROL MATS SHALL CONSIST OF BIONET SC150BN BY NORTH AMERICAN GREEN OR APPROVED EQUAL.
- 4. STRAW WATTLES SHALL CONSIST OF GREEN SEDIMAX SWB9 BY NORTH AMERICAN GREEN OR APPROVED EQUAL.

SPECIAL INSPECTIONS

- PERIODIC SPECIAL INSPECTIONS AND STRUCTURAL OBSERVATION OF WALL CONSTRUCTION, AS REQUIRED BY THE 2019 CALIFORNIA BUILDING CODE (CBC) CHAPTER 17, SHALL BE PERFORMED BY MILLER PACIFIC OR A QUALIFIED TESTING AND INSPECTION AGENCY DURING WALL CONSTRUCTION, INCLUDING THE FOLLOWING:
- 1.1 FOUNDATION & BENCHES: INTERMITTENT OBSERVATION OF EXCAVATED SOILS EXPOSED IN MSE WALL FOUNDATIONS AND BENCHES FOR MSE SLOPES.
- 1.2 GEOSYNTEHTIC REINFORCING: OBSERVATION OF EACH LAYER OF GEOSYNTHETIC REINFORCING FOR MSE WALLS AND SLOPES PRIOR TO COVERING WITH FILL.
- 1.3 SUBDRAINS AND WALL DRAINAGE: OBSERVATION OF PERMEABLE MATERIAL, DRAIN PIPE, FILTER FABRIC (IF USED) AND CLEANOUTS PRIOR TO COVERING WITH FILL.
- 1.4 REINFORCED EARTHEN FILL AND BACKFILL: INTERMITTENT OBSERVATION AND FIELD DENSITY TESTING OF COMPACTED BACKFILL. AS A MINIMUM, FIELD DENSITY SHALL BE PERFORMED FOR EVERY TWO FEET OF ELEVATION GAIN AND AT EVERY 100 FEET ALONG THE WALL OR SLOPE.

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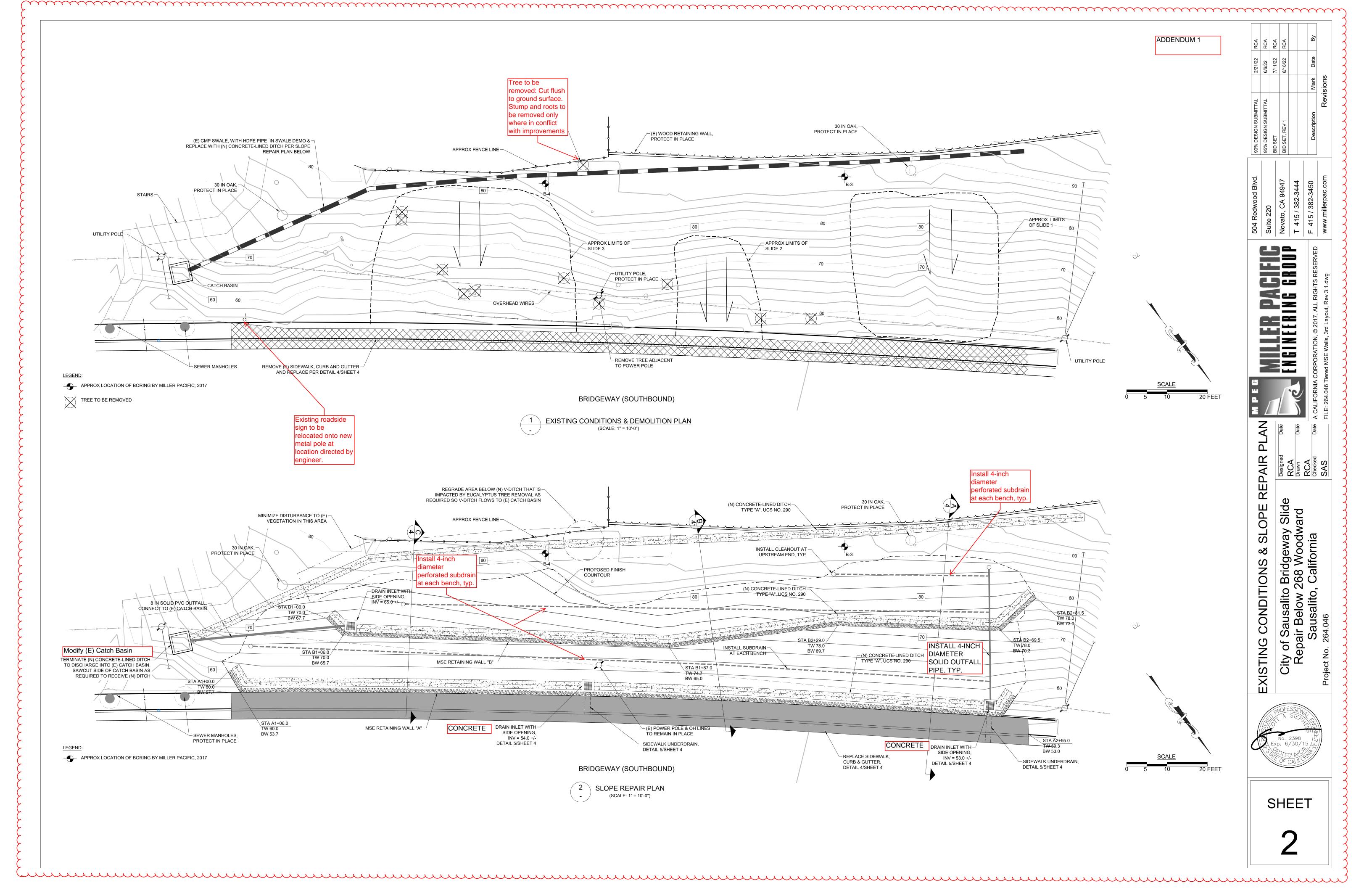


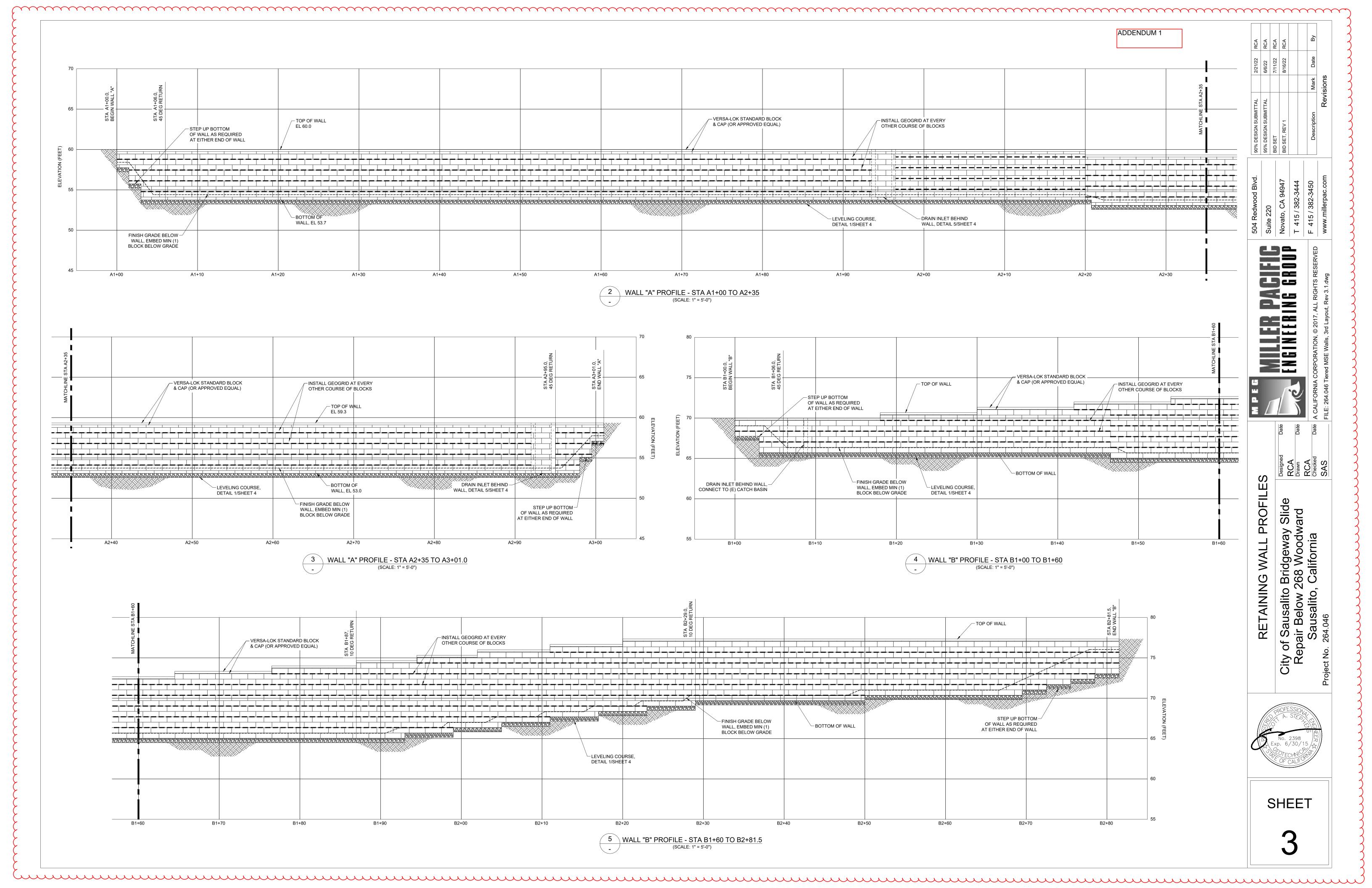
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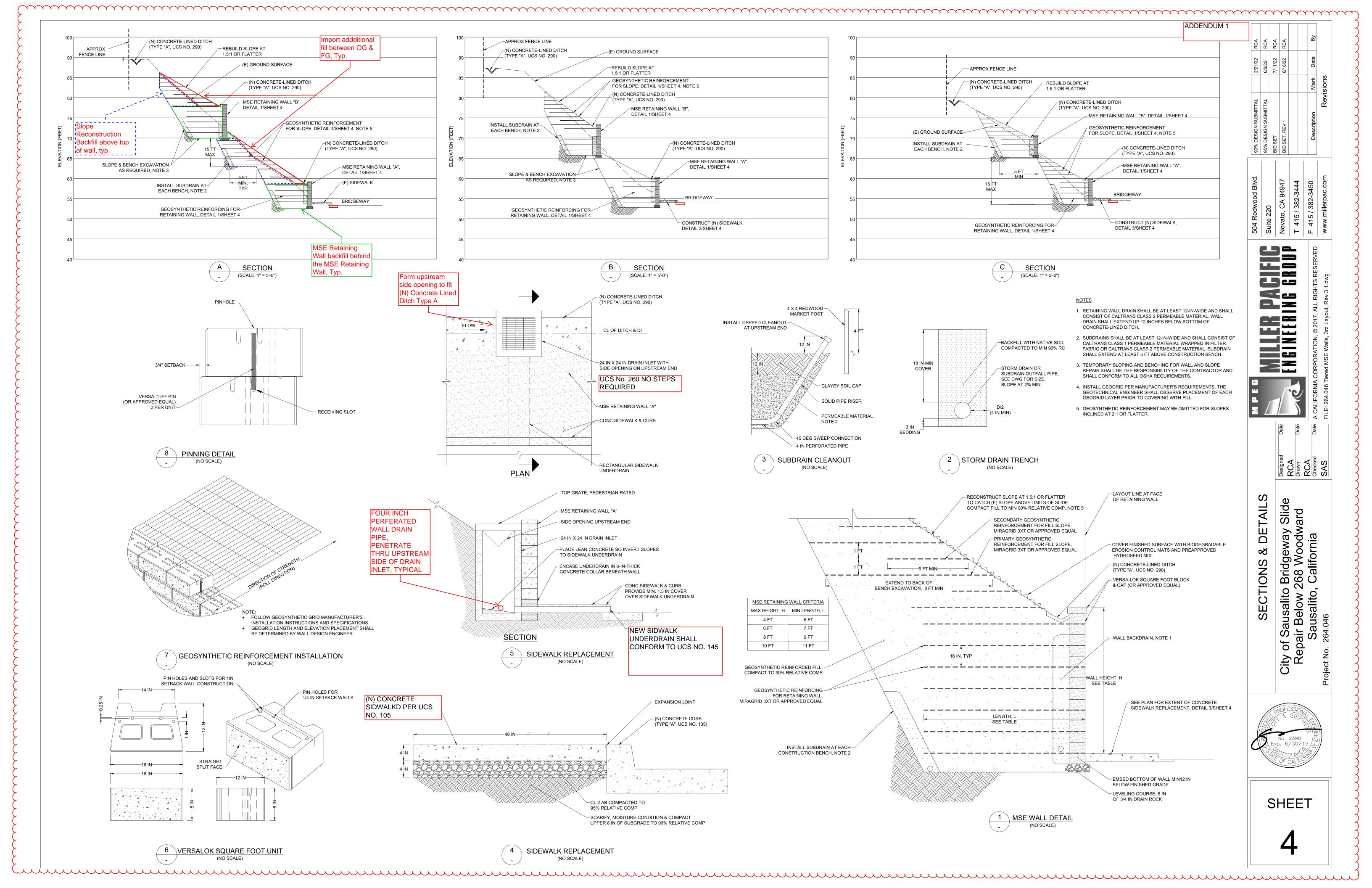
of Sausalito Bridgeway Slide sair Below 268 Woodward

No. 2398
Exp. 6/30/15
OF CALIFORNIA

SHEET







MAJ	OR DIVISIONS	SY	MBOL		DESCRIPTION			
10	CLEAN GRAVEL	GW	v	Vell-graded grav	els or gravel-sand mixtures, little or no fines			
SOILS gravel	OLLAN GIVAVEL	GP	P	oorly-graded gra	avels or gravel-sand mixtures, little or no fines			
ED SC nd gre	GRAVEL	GM	9 9 0 0 s	ilty gravels, grav	vel-sand-silt mixtures			
COARSE GRAINED over 50% sand and	with fines	GC	<i>7777</i> c	layey gravels, g	ravel-sand-clay mixtures			
E GR % sa	CLEAN SAND	SW	00000000000000000000000000000000000000	/ell-graded sand	ds or gravelly sands, little or no fines			
COARSE over 50%		SP	Р	oorly-graded sa	nds or gravelly sands, little or no fines			
O S S	SAND	SM	s	ilty sands, sand	-silt mixtures			
	with fines	SC	<i>[////</i>] c	layey sands, sa	nd-clay mixtures			
ILS ay	SILT AND CLAY	ML		ith slight plastici				
NILLE GRAINED SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL				norganic clays of ean clays	f low to medium plasticity, gravely clays, sandy clays, silty clays,			
INEC silt a		OL	c	rganic silts and	organic silt-clays of low plasticity			
	SILT AND CLAY	МН	Ir	norganic silts, mi	icaceous or diatomaceous fine sands or silts, elastic silts			
FINE	liquid limit >50%	СН	Ir	norganic clays of	f high plasticity, fat clays			
OH Organic clays of medium to high p					medium to high plasticity			
HIGHL	Y ORGANIC SOILS	PT		eat, muck, and	other highly organic soils			
ROCK Undifferentiated as to type or composition								
		KEY .	TO BORII	NG AND T	EST 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	HYDROMETER ANAL	YSIS			TXUU UNCONSOLIDATED UNDRAINED TRIAXIAL			
P200	PERCENT PASSING	NO. 200	SIEVE		UC, CU, UU = 1/2 Deviator Stress			
P4	PERCENT PASSING	NO. 4 SIE	EVE		SAMPLER DRIVING RESISTANCE			
SAM	IPLER TYPE				Modified California and Standard Penetration Test samplers are			
	MODIFIED CALIFORNIA		HANE) SAMPLER	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			
	STANDARD PENETRATION 1	TEST	ROCH	CORE .	refusal is defined as 50 blows during a 6-inch drive. Examples of blow records are as follows: 25 sampler driven 12 inches with 25 blows after			
	THIN-WALLED / FIXED PISTO	ON		JRBED OR	initial 6-inch drive 85/7" sampler driven 7 inches with 85 blows after			
NOTE:	Test boring and test pit logs are	e an intern			initial 6-inch drive			
	at the excavation location durir soil or water conditions may va and with the passage of time. descriptions are approximate a	ng the time ary in differ Boundarie	of exploration. Sent locations with sbetween differir	Subsurface rock, in the project site ng soil or rock	50/3" sampler driven 3 inches with 50 blows during initial 6-inch drive or beginning of final 12-inch drive			
M P E G SOIL CLASSIFICATION CHART								
MILLER PACIFIC			Suite 220		SOIL GLASSIFICATION GRANT			
	ENGINEERING GRO	IID -	Novato, CA 9494	Sausa	ılito Storm Damage Repair			
10		U I _	T 415 / 382-3444		Bridgeway Site Damage Repair			
A CALIFORNIA O	CORPORATION, © 2020, ALL RIGHTS RES	SERVED -	F 415 / 382-3450		Sausalito, California			
	.046 Tiered MSE Walls, 3rd Layout, Rev 3.1		www.millerpac.co	m Project No.	246.064 Date: 12/29/2020 FIGURE			

o feet	SAMPLE	SYMBOL (4)	DATE: 9	.0-inch Solid Flig /28/17 0 - feet*	c Drill Rig with ght Auger	BLOWS / FOOT (1)	DRY UNIT WEIGHT pcf (2)	MOISTURE CONTENT (%)	SHEAR STRENGTH psf (3)	OTHER TEST DATA	OTHER TEST DATA
- - -1			Sandy SILT (ML) light brown, dry, plasticity	medium dense,	low to medium	26	109	8.2		56% P200	
5- -2			SANDSTONE orange and brow weak to moderat weathered harder drilling at	e strength, highl		35	106	17.3	7350 UC		
- -			harder drilling at 6.5 feet grades moderate strength			87/10"	117	14.2			
-3 ₁₀ -			Bottom of boring at 11.5 feet No groundwater encountered			40		10.8			
-4 - -4 - 15-			rto grounantion one	od incircu							
-5 -5											
- -6 20-											
1三			countered during drilling asured after drilling	NOTES	6: (1) UNCORRECTED FIELD (2) METRIC EQUIVALENT (3) METRIC EQUIVALENT (4) GRAPHIC SYMBOLS AF	BLOW CO DRY UNIT V STRENGTH RE ILLUSTR	DUNTS VEIGHT kN (kPa) = 0.0 RATIVE ON	I/m ³ = 0.157 0479 x STR LY	71 x DRY U ENGTH (p	I JNIT WEIGH sf)	HT (pcf)
M P E G	M		ER PACIFIC	504 Redwood Blvd. Suite 220	0 " 0 -		ING LC		-		
INGINIERING GROUP A CALIFORNIA CORPORATION, © 2020, ALL RIGHTS RESERVED Suite 220 Novato, CA 94947 T 415 / 382-3444 F 415 / 382-3444 F 415 / 382-3450 Sausalito Storm Damage Repair Bridgeway Site Sausalito, California					-3						

FILENAME: 264.046 Tiered MSE Walls, 3rd Layout, Rev 3.1.dwg www.millerpac.com Project No. 246.064

FIGURE

FRACTURING AND BEDDING

Fracture Classification

m

Crushed Intensely fractured Closely fractured Moderately fractured Widely fractured

Very widely fractured

Spacing **Bedding Classification**

less than 3/4 inch Laminated 3/4 to 2-1/2 inches Very thinly bedded 2-1/2 to 8 inches Thinly bedded Medium bedded 8 to 24 inches 2 to 6 feet Thickly bedded greater than 6 feet Very thickly bedded

HARDNESS

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

STRENGTH

Friable Weak Moderate

Strong

Crumbles by rubbing with fingers Crumbles under light hammer blows

Indentations <1/8 inch with moderate blow with pick end of rock hammer Withstands few heavy hammer blows, yields large fragments Very strong Withstands many heavy hammer blows, yields dust, small fragments

WEATHERING

Minerals decomposed to soil, but fabric and structure preserved Rock decomposition, thorough discoloration, all fractures are extensively

F 415 / 382-3450

coated with clay, oxides or carbonates

Fracture surfaces coated with weathering minerals, moderate or localized discoloration

A few stained fractures, slight discoloration, no mineral decomposition, no affect on cementation

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.

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ROCK CLASSIFICATION CHART Suite 220 Novato, CA 94947 T 415 / 382-3444

Sausalito Storm Damage Repair Bridgeway Site Sausalito, California FILENAME: 264.046 Tiered MSE Walls, 3rd Layout, Rev 3.1.dwg www.millerpac.com Project No. 246.064

A-2

FIGURE

FIGURE

meters DEPTH of feet	SAMPLE	SYMBOL (4)	BORIN EQUIPMENT: Portable Hydronich Solid DATE: 9/28/17 ELEVATION: 83 - feet* *REFERENCE: Topographic	draulic Drill Rig with d Flight Auger	BLOWS / FOOT (1)	DRY UNIT WEIGHT pcf (2)	MOISTURE CONTENT (%)	SHEAR STRENGTH psf (3)	OTHER TEST DATA	DRILL RATE (MIN/FT)
-0 <i>-</i> 0 <i>-</i> - - - -1		X	Silty SAND (SM) brown, moist, medium dens grained harder drilling at 4 feet	e, fine- to medium-	12	103	13.2	4050 UC		
5- - -2 - -		***	Sandstone yellow-brown to gray, low have to completely weathered	ardness, weak, highly	31	109	13.6	5500 UC		
- -3 ₁₀ - - -	 									
-4 - - 15-			Bottom of boring at 13.5 feet No groundwater encountered		23		12.5			
-5 - - -6 20-										
∑ Wate	▼ Water level encountered during drilling NOTES: (1) UNCORRECTED FIEL (2) METRIC EQUIVALENT					DUNTS WEIGHT kN I (kPa) = 0.0 RATIVE ON	l/m³= 0.157 0479 x STR LY	71 x DRY U ENGTH (ps	NIT WEIGI	HT (pcf)
MPEG	1.,			Blvd.	BOR	ING LO	 IG			
A CALIFORNI	**Sausalito Storm Bridgew Sausalito, © 2020, ALL RIGHTS RESERVED Sold Redwood Blvd. Suite 220 Novato, CA 94947 T 415 / 382-3444 F 415 / 382-3444 F 415 / 382-3450 Sausalito,					Repair			A-	4

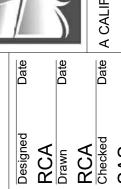
ESIGN SUBMITTAL		2/21/22	RCA
ESIGN SUBMITTAL		6/6/22	RCA
F		7/11/22	RCA
T, REV 1		8/16/22	RCA
Jescription	Mark	Date	By
New:	Revisions		

	95% DESIGN SUBMITTAL		6/6/22	
	BID SET		7/11/22	
17	BID SET, REV 1		8/16/22	
4				
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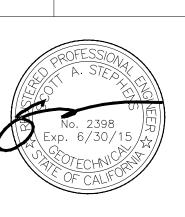






of Sausalito Bridgeway Slide Bridgeway Site Sausalito, California

BORING LOGS



SHEET



	Erosion Controls		Sediment Controls		Good Housekeeping
NS	Scheduling	6.	Tracking Controls	10.	Concrete Washout
1.	Preserve Vegetation & Creek Set Backs	7.	Fiber Rolls	11.	Stockpile Management
2.	Soil Cover	8.	Silt Fence	12.	Hazardous Material Management
3.	Soil Preparation/ Roughening	9.	Drain Inlet Protection	13.	Sanitary Waste Management
4.	Erosion Control Blankets	NS	Trench Dewatering	14.	Equipment and Vehicle Maintenance
5.	Revegetation			15.	Litter and Waste Management

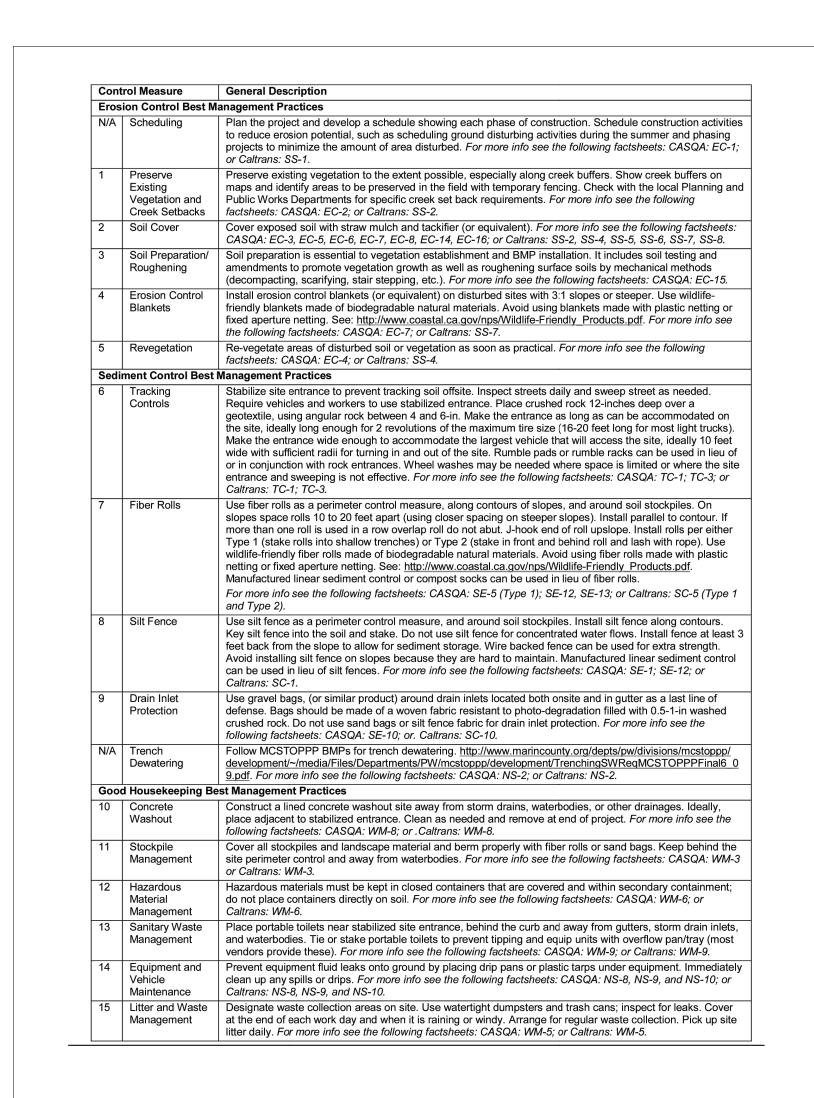
NS=not shown on graphic

Note: Select an effective combination of control measures from each category, Erosion Control, Sediment Control, and Good Housekeeping. Control measures shall be continually implemented and maintained throughout the project until activities are complete, disturbed areas are stabilized with permanent erosion controls, and the local agency has signed off on permits that may have been required for the project. Inspect and maintain the control measures before and after rain events, and as required by the local agency or state permit.

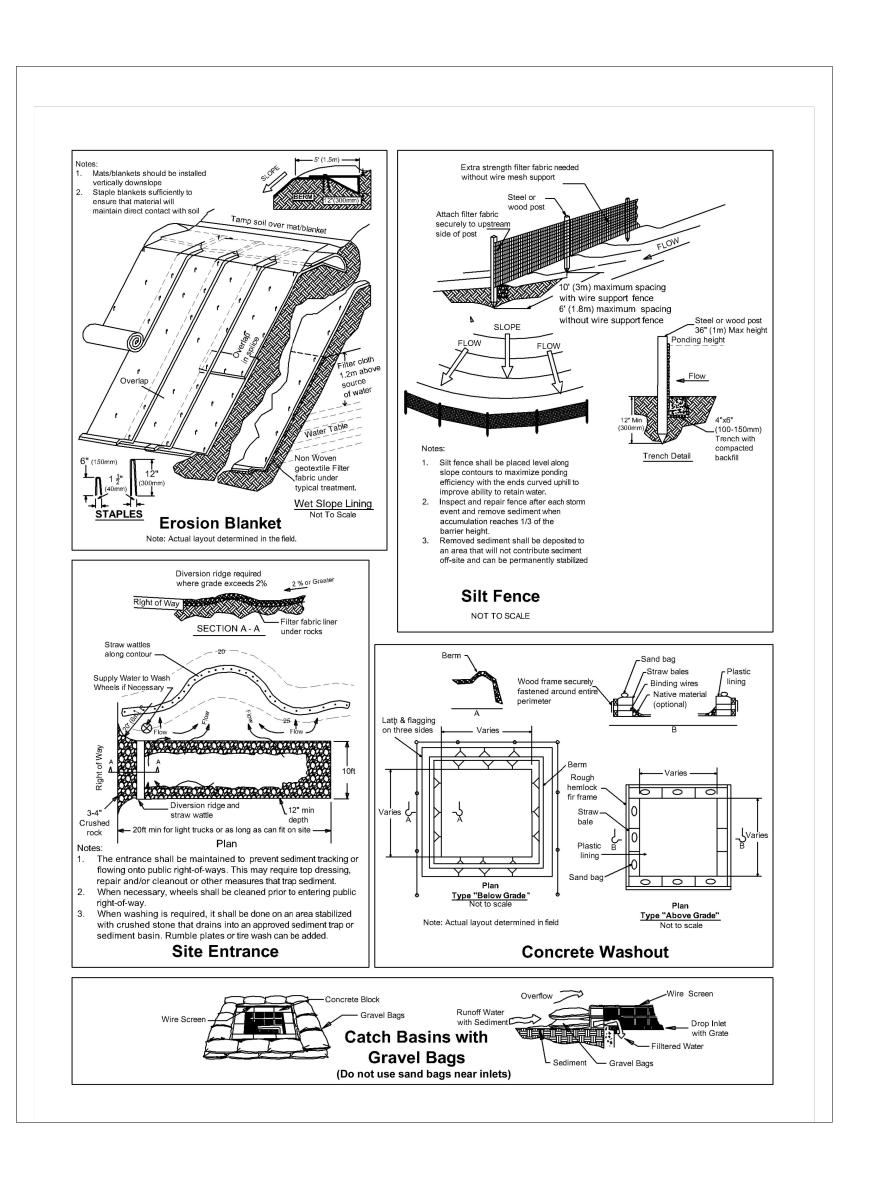
More detailed information on the BMPs can be found in the related California Stormwater Quality Association (CASQA) and California Department of Transportation (Caltrans) BMP Factsheets. CASQA factsheets are available by subscription in the California Best Management Practices Handbook Portal: Construction at http://www.casqa.org. Caltrans factsheets are available in the Construction Site BMP Manual March 2003 at http://www.dot.ca.gov/hq/construc/stormwater/manuals.htm.

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

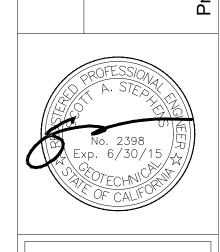
Visit www.mcstoppp.org for more information on construction site management and Erosion and Sediment Control Plans.



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Slide

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DIMENT

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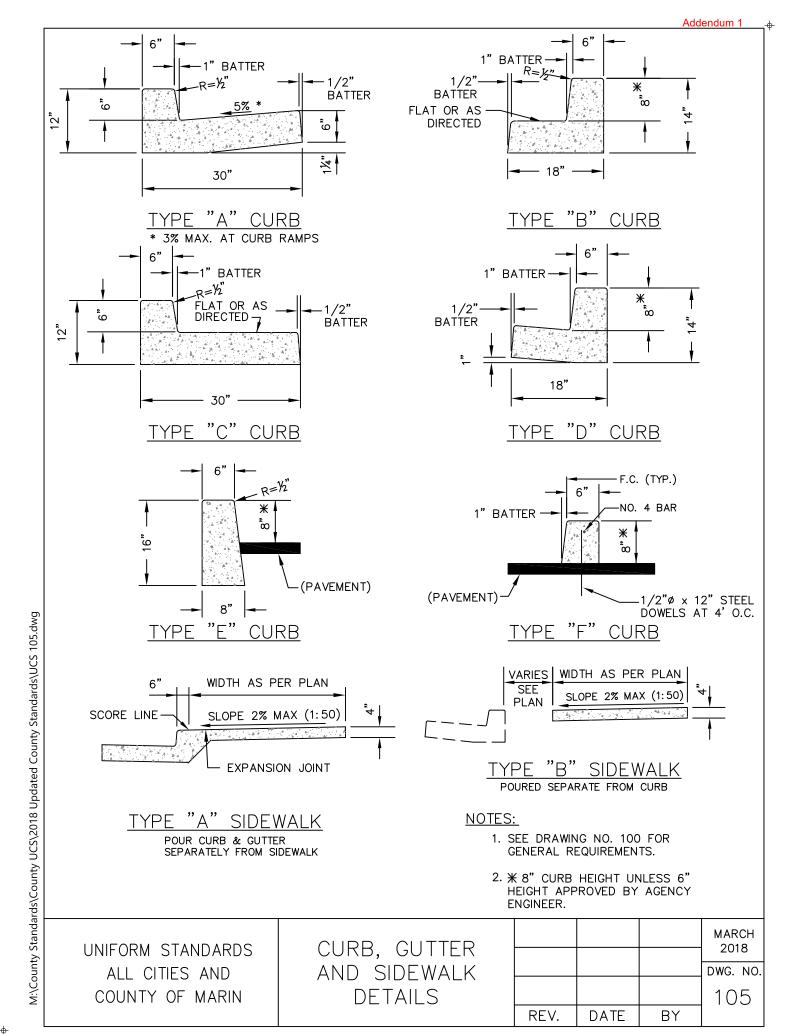
SHEET

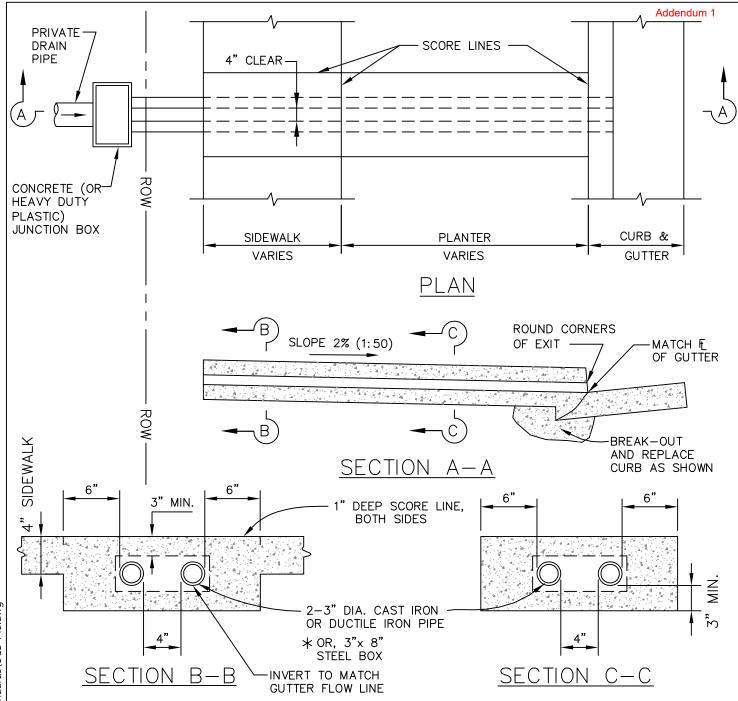
- 1. EXISTING CONCRETE SHALL BE REMOVED AT EXPANSION OR WEAKENED PLANE JOINTS OR AT SAWCUTS AS FIELD MARKED BY AGENCY ENGINEER. SAWCUTS MUST GO ENTIRELY THROUGH CONCRETE.
- 2. FOR NEW DEVELOPMENT, NO UTILITY BOXES OR POLES WILL BE PERMITTED IN THE SIDEWALK AREA WITHOUT THE PRIOR WRITTEN APPROVAL OF THE AGENCY ENGINEER.
- 3. WHERE UNDERCUT SUBGRADE OR UNSUITABLE SUBGRADE MATERIAL IS ENCOUNTERED, THE AGENCY ENGINEER MAY REQUIRE REMEDIAL WORK TO BE DONE, INCLUDING OVER EXCAVATION AND BACKFILLING WITH CRUSHED ROCK AND, WHEN DIRECTED BY THE ENGINEER, PLACING GEOTEXTILE FABRIC BENEATH THE NEW CONCRETE SECTION.
- 4. SUBGRADE SHALL BE COMPACTED TO AT LEAST 95% RELATIVE COMPACTION IN THE TOP SIX INCHES.
- 5. NEW WORK SHALL MATCH EXISTING AS CLOSELY AS POSSIBLE IN FINISH, SCORING AND COLOR. FOR NEW INSTALLATIONS PLACED ADJACENT TO EXISTING, 2LB. DAVIS BLACK #8084 (OR EQUIVALENT) PER CU. YD. CONCRETE SHALL BE ADDED TO MIX.
- 6. EXCEPT WHERE SPECIFIED OTHERWISE HEREIN, NO ADMIXTURES SHALL BE USED WITHOUT THE PERMISSION OF THE AGENCY ENGINEER.
- 7. FORMS SHALL MEET GRADE AND FORM FACES SHALL NOT VARY FROM THE DIMENSIONS SHOWN BY MORE THAN 1/2 INCH.
- 8. NO CONCRETE SHALL BE PLACED UNTIL THE AGENCY ENGINEER HAS INSPECTED AND APPROVED FORMS AND SUBGRADE/BASE.
- 9. SUBGRADE/BASE SHALL BE THOROUGHLY WETTED IMMEDIATELY PRIOR TO PLACING CONCRETE.
- 10. CONCRETE SHALL BE A MINIMUM CLASS B (5 SACK MIX) WITH 1 INCH MAXIMUM AGGREGATE FROM AN APPROVED MIXING PLANT. NO BAGGED MIX IS PERMITTED.
- 11. CONCRETE SHALL HAVE A SLUMP OF NOT MORE THAN FOUR INCHES.
- 12. FOR SIDEWALKS AND DRIVEWAY APPROACHES, 1/4 INCH DEEP SCORE LINES SHALL BE PLACED AT FOUR FEET ON CENTER OR AS DIRECTED BY THE AGENCY ENGINEER.
- 13. WEAKENED PLANE JOINTS AT LEAST 3/4" DEEP SHALL BE PLACED AT A MINIMUM 16 FEET ON CENTER EXCEPT FOR SIDEWALKS AND DRIVEWAY APPROACHES WHICH SHALL BE A MINIMUM 5 FEET ON CENTER.
- 14. 3/8 INCH THICK EXPANSION JOINTS SHALL BE PLACED ON BOTH SIDES OF DRIVEWAY APPROACHES, AT CURB AND SIDEWALK RETURN POINTS, DRAINAGE STRUCTURES AND OTHER LOCATIONS AS SHOWN ON THE PLANS.
- 15. ALL EXPOSED EDGES SHALL BE ROUNDED WITH 1/2 INCH RADIUS TOOL.
- 16. ALL FLAT SURFACES SHALL BE LIGHT BROOM FINISHED UNLESS OTHERWISE SPECIFIED BY AGENCY ENGINEER.
- 17. CURBS, SIDEWALKS AND DRIVEWAY APPROACHES SHALL HAVE FORMS REMOVED AND BE BACKFILLED WITHIN SEVEN DAYS AFTER POURING.
- 18. THE DESIGNATED DIMENSIONS AND SLOPES MAYBE MODIFIED TO ACCOMMODATE EXISTING ADJACENT FACILITIES SUBJECT TO THE APPROVAL OF THE AGENCY ENGINEER.

UNIFORM STANDARDS
ALL CITIES AND
COUNTY OF MARIN

REQUIREMENTS FOR	
CONCRETE CURB,	
GUTTER, SIDEWALK,	
DRIVEWAY AND OTHER	?
"FLATWORK"	

			MARCH 2018
			DWG. NO.
			100
REV.	DATE	BY	
	REV.	REV. DATE	REV. DATE BY





NOTE:

- 1. CONCRETE SHALL BE CLASS "B" (5 SACK MIX).
- 2. PLASTIC PIPE IS NOT ALLOWED.
- 3. WHERE UNDERDRAINS ARE INSTALLED AT LOCATIONS WHERE CURB, GUTTER AND SIDEWALK IS EXISTING, REMOVE 20" OF CURB AND 1 SQUARE OF SIDEWALK BETWEEN SAW—CUTS. REPLACE CURB AS SHOWN IN SECTION A—A ABOVE.
- 4. NO CONCRETE SHALL BE PLACED PRIOR TO FORM INSPECTION BY THE AGENCY ENGINEER.
- 5. ALL CONCRETE SHALL BE BROOM FINISHED.
- * 6. IF REQUIRED BY AGENCY ENGINEER FOR HEAVY FLOWS.

UNIFORM	STANDARDS	5
ALL CI	TIES AND	
COUNTY	OF MARIN	

SIDEWALK UNDERDRAIN

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- 1. CONCRETE SHALL BE CLASS "A" (6 SACK MIX) UNLESS OTHERWISE NOTED. STRUCTURE TOPS CAST WITH ADJACENT CURB/SIDEWALK MAY BE CLASS "B" CONCRETE.
- 2. BASE SHALL BE PLACED AGAINST UNDISTURBED EARTH, SIDES MAY BE FORMED OR PLACED AGAINST UNDISTURBED EARTH.
- 3. WHERE CONDUITS ARE ENCOUNTERED THAT ARE LARGER IN DIAMETER THAN THE WIDTH OF THE WALL THROUGH WHICH THEY PASS, THE INSIDE DIMENSION OF THE WALLS PERPENDICULAR TO THE DIRECTION OF THE PIPE SHALL BE INCREASED TO 12" WIDER THAN THE OUTSIDE DIAMETER OF THE PIPE.
- 4. EXPANSION JOINTS SHALL BE PLACED THROUGH CURB AND SIDEWALK AT BOTH SIDES OF CATCH BASINS AND SHALL BE LIMIT OF PAYMENT FOR CURB AND GUTTER. UNIT PRICES FOR DRAINAGE STRUCTURES SHALL INCLUDE CURB, GUTTER AND SIDEWALK POURED WITH DRAINAGE STRUCTURE.
- 5. NO CONCRETE SHALL BE PLACED PRIOR TO FORM AND STEEL APPROVAL BY THE AGENCY ENGINEER.
- 6. SEE DRAWING NO. 215 FOR STEP (AS REQUIRED BY AGENCY ENGINEER) AND MANHOLE CASTING DETAIL.
- 7. SEE DRAWING NO. 220 FOR CATCH BASIN GRATE DETAIL.
- 8. WALL THICKNESS, REINFORCING, AND STEP (AS REQUIRED BY AGENCY ENGINEER)
 REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE TABLE BELOW, UNLESS OTHERWISE INDICATED BY THE PROJECT PLANS OR DIRECTED BY THE AGENCY ENGINEER.
- 9. PLACE 2" WEEPHOLES AS REQUIRED BY THE AGENCY ENGINEER.
- 10. EQUIVALENT PRECAST STRUCTURES MAY BE SUBSTITUTED AS APPROVED BY THE AGENCY ENGINEER.
- 11. WALL THICKNESS SHALL NOT EXCEED 10" ON ANY STRUCTURE.
- 12. PRECAST INLETS AND MANHOLES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS AND BE DESIGNED TO WITHSTAND H-20 LOADING.

DEPTH	WALL THICKNESS (SEE NOTE #11)	WALL REINFORCEMENT	STEPS REQUIRED
LESS THAN 3'	THAN 3' 6" NO. 4 AT 12" BOTH WAYS		NO
LESS THAN 3'	8"	NONE OUTSIDE ROADWAY. NO. 4 AT 12" BOTH WAYS WITHIN OR ADJACENT TO ROAD.	NO
3' TO 8'	6"	NO. 4 AT 12" BOTH WAYS	AS REQUIRED BY THE AGENCY ENGINEER
OVER 8'	8"	NO. 4 AT 12" BOTH WAYS	AS REQUIRED BY THE AGENCY ENGINEER

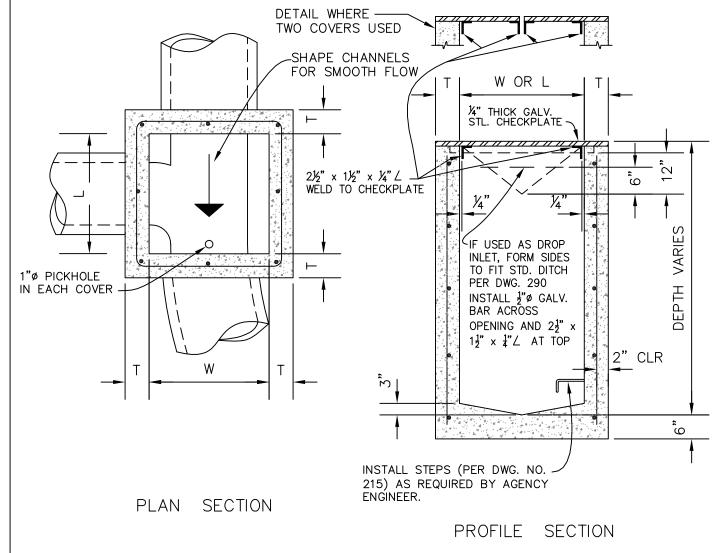
UNIFORM STANDARDS
ALL CITIES AND
COUNTY OF MARIN

NOTES FOR
CATCH BASIN, MANHOLE,
DROP INLET
& TURNING STRUCTURE

MARCH 2018

DWG. NO.

REV. DATE BY 200



DEPTH	L	W	COVER(S)
LESS THAN 3'	24"	24"	1-36"x36"
3' TO 6'	36"	36"	2-24"×48"
OVER 6'	36"	48"	2-30"×48"

NOTES:

- 1. LENGTHS AND WIDTHS WILL VARY AS NECESSARY TO ACCOMMODATE SIZE AND ANGLES OF CONNECTING PIPES.
- 2. SEE DRAWING NO. 200 FOR GENERAL NOTES, WALL THICKNESS (T), REINFORCING AND STEP REQUIREMENTS.
- 3. SIDE ENTRY CONFIGURATION MAY BE MODIFIED TO ACCOMMODATE FIELD CONDITIONS WITH THE APPROVAL OF THE AGENCY ENGINEER.

UNIFORM STANDARDS
ALL CITIES AND
COUNTY OF MARIN

DROP INLET AND TURNING STRUCTURE

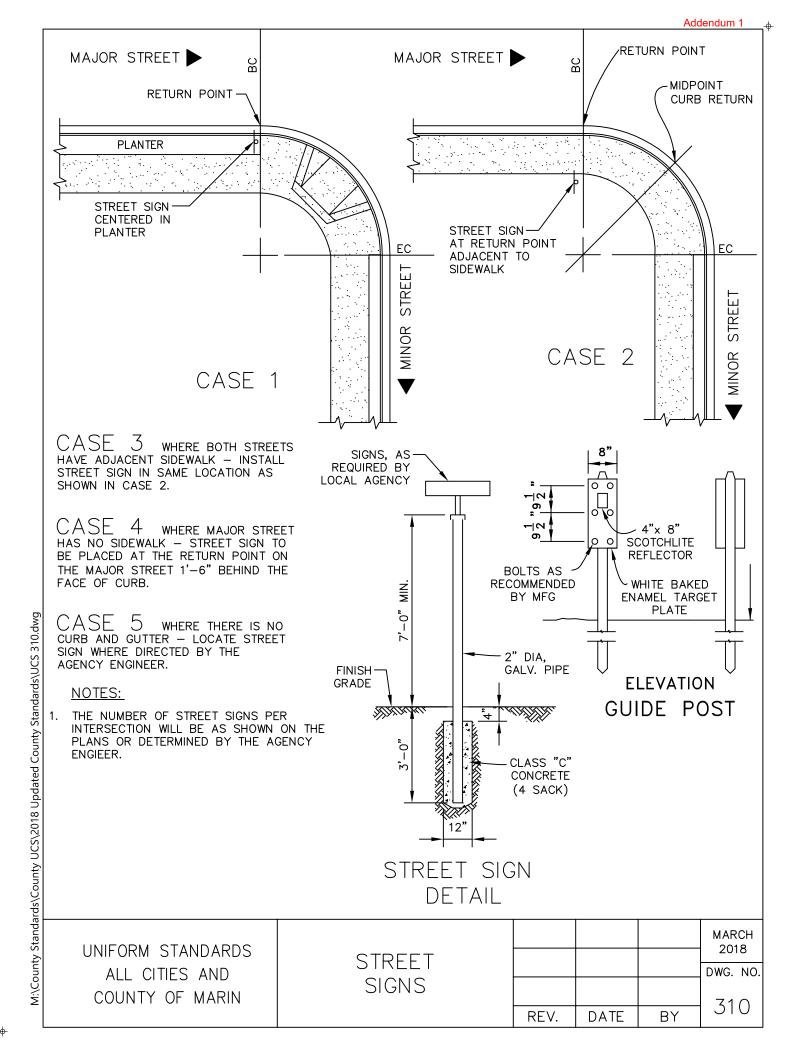
			MARCH 2018
			DWG. NO.
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REV.	DATE	BY	200

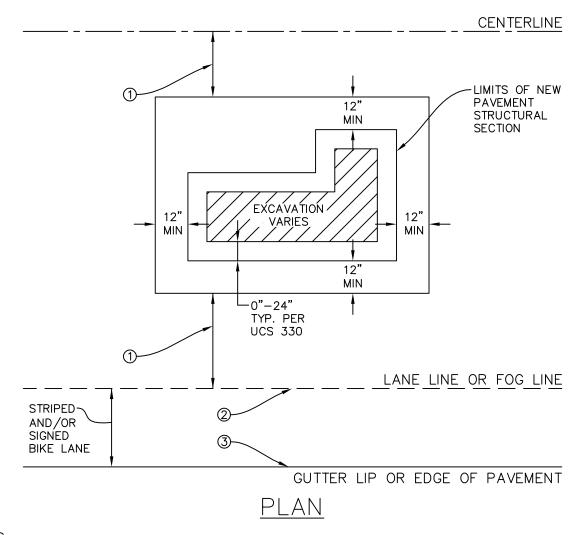
- NOTES:
- ALL SECTIONS SHALL BE AT LEAST 4" THICK.
- CONCRETE SHALL BE CLASS "B" (5 SACK).
- BOTH SIDES OF THE DITCH SHALL BE FORMED WITH 2" X 4" LUMBER, AS SHOWN UNLESS OMITTED BY THE AGENCY ENGINEER.
- CONCRETE FINISH SHALL CONFORM TO ORDINARY SURFACE FIINISH PER SECTION 51 OF THE STATE STANDARD SPECIFICATIONS.
- DITCH SIDES SHALL BE BACKFILLED AND COMPACTED IMMEDIATELY AFTER THE REMOVAL OF SIDE FORMS.
- NO CONCRETE SHALL BE PLACED PRIOR TO FORM INSPECTION BY THE AGENCY ENGINEER.
- ON FILLED GROUND, NO DITCH IS TO BE CONSTRUCTED UNTIL CERTIFICATION OF COMPACTION IS PROVIDED TO THE AGENCY BY THE GEOTECHNICAL ENGINEER.
- NO EXPANSION JOINTS SHALL BE REQUIRED.

UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN

CONCRETE LINED **DITCHES**

MARCH 2018 DWG. NO. 290 REV. DATE BY

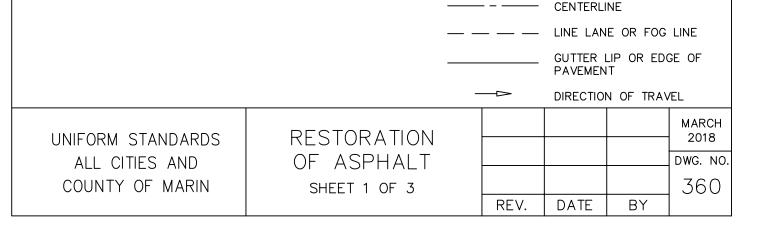




NOTES:

- 1 FOR TRENCH REPAIRS IN THE VEHICLE TRAVEL LANE(S), THE RESTORATION SHALL BE EXTENDED TO THE LANE LINE OR CENTER OF LANE WHICHEVER IS CLOSER, IN ACCORDANCE WITH MINIMUM T-CUT DIMENSIONS SHOWN ON DRAWING 330.
- (2) IF THE LIMITS OF RESTORATION ENTER A STRIPED AND/OR SIGNED BIKE LANE, THE RESTORATION SHALL BE EXTENDED TO COVER THE ENTIRE BIKE LANE WIDTH.
- (3) IF THE LIMITS OF EXCAVATION ARE WITHIN 4 FT OF THE GUTTER LIP OR EDGE OF PAVEMENT, THE RESTORATION SHALL BE EXTENDED TO THE GUTTER LIP OR EDGE OF PAVEMENT.

LEGEND:



REV.

DATE

BY

RESTORATION OF ASPHALT REQUIREMENTS

NOTES:

- ① EXISTING PAVEMENTS SHALL BE REMOVED TO CLEAN, STRAIGHT LINES PARALLEL AND PERPENDICULAR TO THE FLOW OF TRAFFIC. DO NOT CONSTRUCT FINAL RESTORATION PATCHES WITH ANGLED SIDES AND IRREGULAR SHAPES.
- ② IF A PROPOSED CUT IS WITHIN 10 FT OF AN EXISTING PATCH ORIGINALLY PERFORMED BY THE SAME AGENCY, EXTEND THE FINAL RESTORATION TO THE EXISTING PATCH (FOR BELL HOLE OR TRENCH NO GREATER THAN 10 FT LONGITUDINAL).
- (3) IF A NEW PATCH IS DONE WITHIN AN EXISTING PATCH, THE BOUNDARIES OF THE FINAL RESTORATION FOR THE PATCHES SHALL COINCIDE.
- (4) IF A SECTION OF PAVEMENT IS DAMAGED DURING CONSTRUCTION, THE FAILED AREA SHALL BE REMOVED TO SOUND PAVEMENT AND PATCHED. IF THE DAMAGED AREA IS WITHIN 10 FT OF THE NEW PATCH, THE FINAL RESTORATION OF THE PATCHES SHALL COINCIDE.
- (5) LIMITS OF FINAL PAVEMENT RESTORATION TO STOP AT ONE OF THE FOLLOWING LOCATIONS: CENTER OF LANE, TRAVEL LANE LINE, BIKE LANE LINE, ISLAND CURB/GUTTER, EDGE OF ROADWAY PAVEMENT CURB/GUTTER. NO PAVING JOINTS SHALL BE ALLOWED IN A VEHICULAR WHEEL PATH.
- 6 STEEL PLATES USED FOR BRIDGING SHALL EXTEND A MINIMUM OF 1 FT BEYOND THE EDGE OF TRENCH. PLATES SHALL HAVE NONSKID ABRASIVE SURFACE PER CALTRANS SPECIFICATIONS 75–1.03F, AND COUNTER-SINKING MAY BE REQUIRED WHEN DEEMED NECESSARY BY AGENCY ENGINEER.
- O CUTBACK SHALL NOT BE USED EXCEPT WHEN PRE-APPROVED BY THE AGENCY ENGINEER OR WHEN TRIMMING TRENCH PLATES.
- (8) ROADWAY RESTORATION WIDTH, BEYOND THE TRENCH EDGES, VARIES FROM 0"-24". DURING THE PERMIT PROCESS, THE AGENCY WILL REVIEW GEOTECHNICAL AND HISTORICAL INFORMATION OF THE TRENCHING LOCATION, AS PRESENTED BY THE UTILITY OWNER, AND CONSIDER EXISTING PAVEMENT CONDITION, SUITABLE SUBGRADE AND THE PROPOSED SCOPE OF WORK TO DETERMINE RESTORATION WIDTH. THE PERMITTING AGENCY RESERVES THE RIGHT TO ADJUST THE RESTORATION WIDTH DUE TO FIELD OBSERVATIONS DURING CONSTRUCTION SUCH AS, BUT NOT LIMITED TO, OBSERVING BREAKOUT, UNDERMINING OF ADJACENT PAVEMENT, UNSTABLE WALLS OF TRENCH, DAMAGE TO SURROUNDING UNDISTURBED PAVEMENT, AND/OR PAVEMENT OR SUBGRADE DAMAGE FROM CONTRACTOR OPERATIONS.

Table A

				Pavement Repair Structural Sec		ural Section	
Road Type			Min. AC*** Final Surface	Assumes R Value = 10*			
Trodd Type	Index**	(TOTAL)	AC, Min.	AC Thickness	AB Thickness	Alternate Deep Lift A.C.	
Local	5.0	4"	2.0"	4.0"	7.0"	7.0"	
Collector	6.5	5"	2.0"	5.0" 11.0"		11.0"	
Arterial**	8.0	6"	3.0"	6.0" 14.0" 14.0"		14.0"	
NOTES: *Unless applicant provides actual R—Value test results and pavement section design **Or as approved by City/County Engineer based on actual traffic loading ***Minimum AC thickness shall math existing or as shown in Table A, whichever is greater							

UNIFORM STANDARDS	RESTORATION				MARCH 2018
ALL CITIES AND	OF ASPHALT				DWG. NO
COUNTY OF MARIN	SHEET 3 OF 3				380
		REV.	DATE	BY	

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City of Belvedere	□то	own of Ross		EP No:
☐ City of Larkspur	□ то	own of Fairfax		A / B
☐ City of Mill Valley	□ то	own of Corte Madera		
☐ City of Novato	□ то	own of San Anselmo		
☐ City of San Rafael *	□ то	own of Tiburon		
☐ City of Sausalito	□ Co	ounty of Marin		
UNIFIED APP	LICATION F	OR ENCROA	CHMENT P	ERMIT
APPLICATION DATE:		APN:	-	-
LOCATION OF WORK OR ENCROACHMENT: No		Street	City/Townshi	
CROSS STREET:		ESTIMATED	•	P
STARTING DATE:		COMPLETION	N DATE:	
PROPERTY OWNER'S NAME AND AD	DRESS (If Different from	Applicant):		
THE UNDERSIGNED HEREBY AP OTHERW		ON TO PERFORM THE FOI LOCAL AGENCY RIGHT-O		ED WORK AND/OR
DESCRIPTION	OF WORK OR EN	CROACHMENT (In	clude plans or ske	etch):
Check all that apply to the proje	ct and provide a writ	tten description:		
☐ Driveway Approach	☐ Sidewalk	☐ Accessible Ran	np	Debris Box
☐ Curb & Gutter	☐ Water Service	☐ New Utilities		Special Event
☐ Sewer Improvement	☐ Excavation	Landscaping		Other (Describe)
Describe:				
Road Surface Type:	Asphalt	Concrete	J Other:	
	Tes No	Linear Feet:	Surface Thick	
	Zes □ No			
Applicant agrees that all work will Agency Department of Public Work by the Department of Public Work and employees harmless from any attorney's fees which the Local Ag property damage or inverse conde authorized by this permit. No wor	ks and any Local Munics. Applicant shall inder a and all claims, suits of gency may incur as the emnation by reason of	cipal Code. All work sha mnify, defend and hold t or liability, including, but e result of any and all cla applicants placement of	all be subject to insp the Local Agency, its t not limited to, litig tims and suits for pe	ection and approval s officers, agents ation costs and ersonal injury,
APPLICANT'S NAME / COMPANY (PL	EASE PRINT):			_
CONTRACTOR'S NAME:	_	Co	ontractor License No:	
APPLICANT'S MAILING ADDRESS:				
AGENCY:				
CONTACT NUMBERS:	Daytime Phone	Fax		Email
APPLICANT'S SIGNATURE:				
	For A	gency Use Only		Fees:
Accepted By:			1	Application:
Insurance on file?	☐ No Final Insp	o. Cleared:	Plan Review &	Inspection:
Poad Moratorium?	□ No	Pacaint #		Total

^{*} Contact City of San Rafael Public Works for Specific Encroachment Permit Application

Encroachment Permit Conditions

	Construction Standard(s):		
Z	Hard copy of the approved permit shall be on site at all times during work		
	Comprehensive General Liability insurance in amounts not less than \$1,000,000 combined single limit		
	applying to bodily injury, personal injury and property damage are required.		
Z	Additional Insured Endorsement: The local agency must be named as an additionally insured		
	on a separate endorsement sheet that modifies the general liability policy.		
	Contact local Police Department, Fire Department, and Parking Services prior to start of work.		
Ø	The Contractor shall maintain local access and provide emergency vehicle access at all times.		
A	Compaction test is required and shall be submitted to local Public Works Department.		
A	Provide a traffic control plan per the Manual on Uniform Traffic Control Devices (MUTCD).		
Z	Provide safe pedestrian and wheelchair access, per ADA and State requirements, during construction.		
Z	All work shall be performed between the hours of8am & 6pm		
	Please contact prior to start of work and for final inspection.		
	Planning review required: YES / NO		
	Special Conditions:		
	Encroachment Permit Approval		
	Approved By: Date:		
	Inspected By: Date:		

CITY OF SAUSALITO

STANDARD CONDITIONS FOR ENCROACHMENT PERMIT NO. ______ DESCRIPTION:_____

Condition Marked ☑Apply to this Project

THIS EN	CROACHMENT PERMIT IS GOOD FOR 6 MONTHS ONE YEAR 18 MONTHS AS NOTED ON THE E.P.APPLICATION
1. Th	his permit, or a complete copy, shall be kept at the work site at all times while work is being performed.
	ext. 111 and/orSewer Systems Coordinator at (415) 289-4192.
	ontractor is to comply with all requirement of Ordinance No. 1048 (Noise Ordinance) including limiting hours of work in residential areas between 8:00AM and 7:00PM, Monday through Friday, between 9:00AM and 5:00PM, Saturdays, and between 9:00AM and 7:00PM, on City Holidays. No work is permitted on Sunday, except by owner occupant between
	9:00AM and 7:00PM. or City Holidays
•	ermittee shall comply with all Federal State and local laws regulation and statutes applicable to the work being performed under this permit. This also includes compliance with the requirements and permit conditions of the State of California Division of Industrial Safety.
•	ne Permittee shall repair or replace at the discretion of the City Engineer, any and all public facilities damaged as a result of Permittee's actions in connection with this permit, and shall guarantee repairs or replacements to all work done under this permit, as deemed necessary by the City Engineer for a period of one year after completion of said work.
•	Il traffic control shall be performed in accordance with the requirements of the current edition of Caltrans publication, "California Manual on Uniform Traffic Devices, Part 6- Temporary Traffic Control" including all specified advance construction signs and channelization devices. Construction warning signs and channelization devices are to be sufficient to adequately inform and protect vehicles, bicycle and pedestrian traffic. Permittee shall have available a copy of the Manual for workers at the construction site at all times during the progress of the work.
	Where excavations have been permitted in paved streets, Permittee shall place temporary informational signs at each end of the work in addition to those signs required by the "California Manual on Uniform Traffic Devices, Part 6- Temporary Traffic Control." Such informational signs shall be a minimum of 18 x 24 inches, clearly identify the owner of the facility for which the work is being done, and shall show a telephone number of the owner where the public may obtain information relative to the work being done.
	raffic shall be permitted to pass through the work area at all times unless otherwise permitted in writing by the City Engineer. Any street closures shall be approved in advance by the City Engineer.
•	the City Engineer determines that public convenience or safety is being jeopardized by Permittee's actions or inactions, the City Engineer may order the condition remedied by either verbal or written communication to the Permittee. If Permittee fails to remedy the condition within eight hours of such notice, the City Engineer may, at his or her discretion, either remedy the condition or contract to remedy the condition, and the cost thereof, including administrative expenses shall be charged to the Permittee.
•	If any work is performed in the location of an existing pedestrian path of travel, the Contractor shall restore the path of travel compliant with all ADA accessibility standards.
	Any pavement marking and/or legends which are damaged or removed shall be replaced in kind by the Contractor at his/her expense. The repainting of any street markings or legends shall be performed using City stencils:
	Wherever new work crosses any existing City utilities, the Contractor shall pothole the existing City utilities and determine their actual depth so as to avoid hitting these facilities during excavation.
13.	All AC or PCC to be removed is to be sawcut at the edges.
	All new AC street trench resurfacing is to be placed in maximum lifts of 3 inches and the final surface is to be fog sealed (unless a sand or slurry seal is called for on. the plans).

CITY OF SAUSALITO

STANDARD CONDITIONS FOR ENCROACHMENT PERMIT NO. _____

1 5	All sections of curb, gutter and sidewalk to be replaced, shall have 12 inch long dowels (#4 reinforcing bars) inserted 6" into the existing concrete. A minimum of 2 dowels shall be placed into the curb and gutter. A minimum of 2 dowels shall be placed into sidewalk. Sidewalk dowel spacing shall be 24 inches on center.
10	5. Portions of existing sidewalk or curb and gutter to be removed shall be removed to the nearest expansion joint or sawcut at an existing score mark. Sawcuts must be at least 1-1/2 inches deep.
☐ 17	7. Concrete curbs, gutters and sidewalk shall consist of five sacks of cement per cubic yard with 3/8" maximum aggregate. Two pounds of lampblack shall be added per cubic yard. Slump shall not exceed 4 inches.
18	3. Special care shall be taken to match the existing finish, color, texture and score joining during replacement of the sidewalk.
□ 19	2. Curb, gutter and sidewalk surfaces shall be broom finished unless otherwise approved by the City Engineer.
D 20). New sidewalk thickness shall be 4 inches minimum and driveway thickness shall be 6" minimum.
21	. All excavations shall be backfilled and paved either temporarily or permanently at the end of each work day or covered with steel traffic plates held securely in place.
□ 22	2. All backfill placement shall be approved by the City Engineer prior to permanent pavement replacement.
□ 23	3. Tree roots shall not be cut or in any way damaged by Permittee.
24	4. Trench backfill shall be either concrete slurry containing one sack of coment per cubic yard with 1/4 inch Maximum
	aggregate size, or Class 2 Aggregate Base compacted to 95% relative compaction as determined by California Test Method No. 216. All other trench details shall conform with Uniform Standard Drawing No. 330, 340 and 350 except as modified herein.
25	5. Permittee shall bear the entire cost of restoring the street or other property of the City, to the satisfaction of the City Engineer.
26	5. Excavated materials, equipment, construction materials or other debris shall not be stored or stockpiled on public streets
27	7. The top six inches of subgrade shall be compacted to at least 95% relative Compaction in accordance with California Test Method No. 236 and shall be dampened before placing concrete.
28	3. Where unsuitable subgrade material is encountered, the City Engineer may require remedial work to be done, including, but not limited to, placing a layer of crushed rock under the concrete 'section.
D 29	D. Undercut subgrade for gutter or sidewalk shall be filled with Class 2 Aggregate Base.
□ 30	2. Where trench excavation is longitudinal with the traffic lane and extends 100 feet or more, a 2" minimum thickness of asphalt concrete paving with pavement reinforcing fabric shall be placed across the entire width of the affected traffic lane upon completion of trench work. Existing surfacing shall be removed as necessary to maintain satisfactory cross slopes.
☐ 31	One-half inch thick expansion joints shall be placed on both sides of driveway approaches, curb and sidewalk return points and at 4 feet on center. Weakened plane joints in sidewalk shall be at least 1-1/2 inch deep and placed at 16 feet on center.
32	2. All work shall be performed in accordance with the codes and ordinances of the City of Sausalito and the Uniform Construction Standards, Specifications of the Cities of Marin and County of Marin.
□ 33	3. The Contractor is to provide a Storm Water Pollution Prevention Plan to the City for review and approval. City Approval must be obtained prior to commencing any work.
34	4. Underground Service Alert (USA) shall be notified at tel. (800) 642-2444, no later than 48 hours prior to excavation near utilities.
□ 35	5. No new utility boxes or poles will be permitted in the sidewalk area without the written approval of the City Engineer.
	* Per Contract Documents

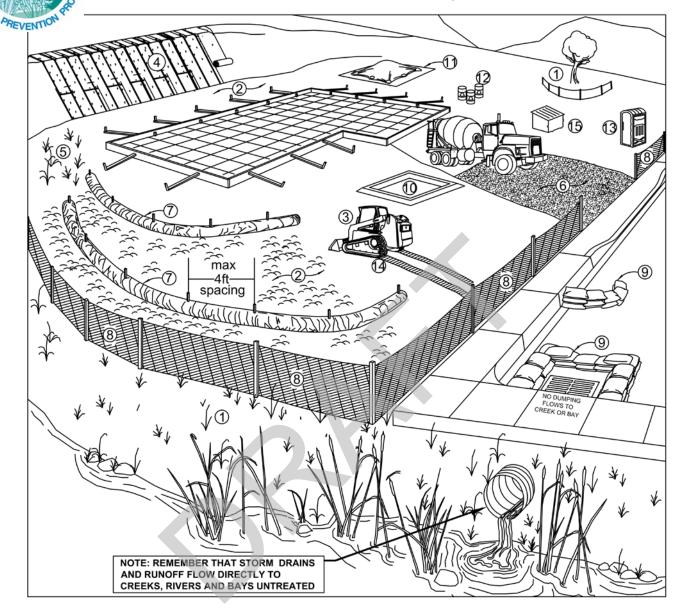
Special Conditions 2023-0

- 1 The Encroachment Permit is only applicable to the public right of way; contractor shall be responsible for ensuring that they have obtained permission from property owners prior to the use of their land.
- 2 No non-stormwater discharge shall enter the public storm drainage system or the Waters of The State. All Porta-Potties in the public Right of Way shall be equipped with a functional Secondary Containment Systems. The porta-potties shall be cleaned and maintained regularly throughout the project. The secondary containment shall be kept clear of trash, debris, and sewage. the secondary containment shall be properly cleaned or covered prior to any wet weather.
- 3 The public right of way shall be kept clean at all times. Spilled debris shall be cleaned promptly. No visible accumulation of sediment is permitted. No washing of sediment into drainage inlets is permitted. No materials associated with the work shall enter the waters of the State.
- 4 Prevent construction equipment/materials from entering stormdrains, sanitary sewers, ditches, creeks, or the bay.
- 5 Sweep streets and other paved areas daily. Never wash down streets or work areas with water.
- 6 Store any stockpiles of dirt, sand, asphalt, concrete, grout, or mortar under cover and away from drainage areas. These materials must never reach a storm drain, or other watercourse
- 7 Contractor shall provide constant dust control.
- 8 Open structure/excavation(s) shall not be left unattended.
- 9 Trench plates shall be non-skid and anchored with railroad spikes or better. All trench plates located within Bridgeway shall be installed in ground channel to eliminate vertical difference between existing pavement and top of plate when plate is installed. Trench plates within the sidewalk shall have less than one half inch vertical difference between the existing sidewalkand top of trench plates. Any vertical difference greater than one quarter inch shall comply with the attached Figure 11B-303.2 & 11B-303.3 the 2016 California Building Code, Change in Level.
- 10 Contractor shall save and protect existing monuments. Any damaged monuments shall be reestablished along with the filing of all required documents including but not limited to Corner Record with Marin County Department of Public Works. Refer to Business & Professions code section 8771.
- 11 The surface course of trench restoration shall extend to the lip of gutter if the edge of trench is within 4' of the lip of gutter, and to the edge of pavement if the edge of trench is within 4' of an unpaved shoulder.
 - Existing pavements shall be removed to clean straight lines parallel and perpendicular to the flow of traffic. Do not construct final restoration patches with angled sides or irregular shapes.
 - The limits of the final pavement restoration shall terminate at one of the following locations: Center of the Lane, edge of the lane, edge of the bike lane, Island curb/gutter, edge of roadway curb/gutter. No paving joints shall be allowed in a vehicular wheel path.

- 12 If the trench restoration enters a bike lane on an asphalt paving surface it shall extend across the entire bike lane or to the extent of the asphalt surface in the bike lane.
- 13 Final pavement restoration in the Public Right of Way shall be completed within 3 working days sign off on the work.
- 14 Maintain access to adjacent driveways.
- 15 No parking signs shall be obtained from City of Sausalito Department of Public Works one week in advance. Vehicles shall be parked legally in the parking spaces. No parking signs shall be posted and verified by the County Dispatch 72 hours prior to becoming effective for enforcement. To verify the no parking signs, call County Dispatch 415-499-7234.
- 16 Project shall not increase emergency response time and shall allow emergency vehicles to pass without delay.
- 17 The pedestrian barricade shall be 34 to 38 inches high. Pedestrian barricade rail supports shall not extend into the pedestrian walkway more than 4 inches. The top edge of the bottom portion of the barricade shall be a minimum of 8 inches above the walkway. The bottom edge of the barricade may only be a maximum of 2 inches above the surface of the walkway. Joints between barricades shall interlock or be closed flush, so that small wheels and canes cannot get caught on edges.
- 18 The Equipment shall not block the gutter.
- 19 Reflector/cones shall be placed at the traffic side corners of the Equipment.
- 20 The Equipment shall be covered when not actively being accessed.
- 21 If a subcontractor is to be used to perform any part of the work, subcontractor shall name the City of Sausalito as an additionally insured on a separate endorsement sheet that modifies the general liability policy prior to start of work, a copy of which shall be provided to the City of Sausalito. The description in the certificate shall include the following language: "The City of Sausalito, its agents, officers, officials, employees and volunteers as required by the permit are included as additionally insured."



Minimum Control Measures For Small Construction Projects



	Erosion Controls		Sediment Controls	Good Housekeeping
NS	Scheduling	6.	Tracking Controls	10. Concrete Washout
1.	Preserve Vegetation & Creek Set Backs	7.	Fiber Rolls	11. Stockpile Management
2.	Soil Cover	8.	Silt Fence	12. Hazardous Material Management
3.	Soil Preparation/ Roughening	9.	Drain Inlet Protection	13. Sanitary Waste Management
4.	Erosion Control Blankets	NS	Trench Dewatering	14. Equipment and Vehicle Maintenance
5.	Revegetation			15. Litter and Waste Management

NS=not shown on graphic

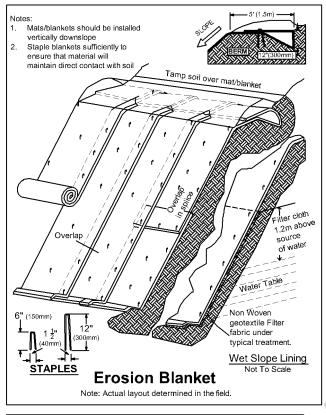
COUNTY STORM

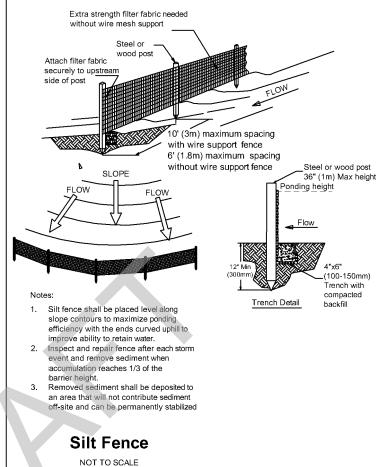
Note: Select an **effective combination of control measures from each category**, Erosion Control, Sediment Control, and Good Housekeeping. Control measures shall be **continually implemented and maintained throughout the project** until activities are complete, disturbed areas are stabilized with permanent erosion controls, and the local agency has signed off on permits that may have been required for the project. **Inspect and maintain the control measures** before and after rain events, and as required by the local agency or state permit.

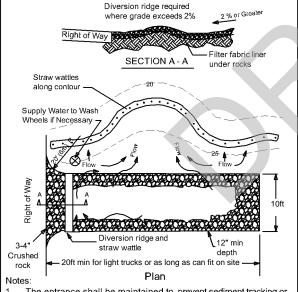
More detailed information on the BMPs can be found in the related California Stormwater Quality Association (CASQA) and California Department of Transportation (Caltrans) BMP Factsheets. CASQA factsheets are available by subscription in the California Best Management Practices Handbook Portal: Construction at http://www.casqa.org. Caltrans factsheets are available in the Construction Site BMP Manual March 2003 at http://www.dot.ca.gov/hq/construc/stormwater/manuals.htm.

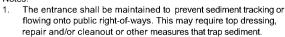
Visit www.mcstoppp.org for more information on construction site management and Erosion and Sediment Control Plans.

	rol Measure	General Description anagement Practices		
N/A	Scheduling	Plan the project and develop a schedule showing each phase of construction. Schedule construction activities 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: EC-1; or 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 and 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 of 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.		
7	Fiber Rolls	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 1 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 least 3 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 control 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_0_9.pdf. For more info see the following factsheets: CASQA: NS-2; or Caltrans: NS-2.		
Good	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-3 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 inlets, and waterbodies. Tie or stake portable toilets to prevent tipping and equip units with overflow pan/tray (most 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. Immediately 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. Cover at the end of each work day and when it is raining or windy. Arrange for regular waste collection. Pick up site litter daily. For more info see the following factsheets: CASQA: WM-5; or Caltrans: WM-5.		



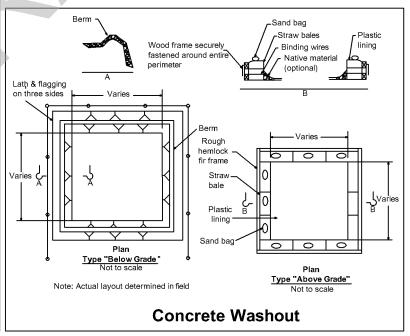






- When necessary, wheels shall be cleaned prior to entering public right-of-way.
- When washing is required, it shall be done on an area stabilized with crushed stone that drains into an approved sediment trap or sediment basin. Rumble plates or tire wash can be added.

Site Entrance





POLLUTION PREVENTION IT'S PART OF THE PLAN

MAKE SURE YOUR CREWS AND SUBS DO THE JOB RIGHT!

Runoff from streets and other paved areas is a major source of pollution in San Francisco Bay. Construction activities can directly affect the health of the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines will ensure your compliance with local ordinance requirements. Contact your local stormwater coordinator (see reverse). Storm drain polluters may be liable for fines!

EARTHWORK & CONTAMINATED SOILS

- Avoid scheduling earth disturbing activities during the rainy season if possible. If grading activities during wet weather are allowed in your permit, be sure to implement all measures necessary to prevent erosion.
- Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- ▶ If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place a silt barrier downslope until soil is secure.
- ★ Keep excavated soil on the site where it is least likely to collect in the street. Transfer to dump trucks should occur on the site, not in the street.
- ▶ Use sand bags, silt fences, hay bales, straw logs or other control measures to prevent the flow of silt off the site and into storm drains or creeks.

PAVING/ASPHALT WORK

- Do not pave during wet weather or when rain is forecast.
- Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- Do not sweep or wash down excess materials into storm drains, ditches or creeks. Collect these materials and return them to stockpiles, or dispose of as trash.
- ▶ Do not use water to wash down fresh asphalt or concrete pavement.

DEWATERING OPERATIONS

- ▶ Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.
- ▶ Be sure to call the local Stormwater Coordinator before discharging water to a street, storm drain, or creek. Filtration or diversion through a basin, tank, or sediment trap may be required.

MATERIALS STORAGE & WASTE DISPOSAL

- ➤ Sweep streets and other paved areas daily. Never wash down streets or work areas with water!
- ▶ Be sure to store any stockpiles of dirt, sand, asphalt, concrete, grout, or mortar under cover and away from drainage areas. These materials must never reach a storm drain, or other watercourse.
- Wash out concrete equipment trucks off-site, or designate an on-site area for washing where water will flow into a temporary pit in a dirt area. Let the water seep into the soil and dispose of hardened concrete with trash.
- Divert water from washing exposed aggregate concrete to a dirt area where it will not run into a gutter, street, or storm drain.
- If a suitable dirt area is not available, collect the wash water and remove it for appropriate disposal off site.

HAZARDOUS MATERIALS MANAGEMENT

- ▶ Label all hazardous materials/wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, state, and federal regulations.
- ➤ Store hazardous materials and wastes in secondary containment and cover them during wet weather.
- ▶ Follow manufacturer's application instructions for hazardous materials. Be careful not to use more than necessary.
- **▶** Do not apply chemicals outdoors when rain is forecast within 24 hours.
- Dispose of hazardous materials/waste at the Hazardous Waste Collection Facility. For more information:
 Novato businesses call 892-6395
 All other businesses in Marin call 485-5648

CONTINUED ON BACK

PAINTING

- Never rinse paint brushes or materials into a storm drain or on the street!
- ▶ Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink. If you can't use a sink, direct wash water to a dirt area, and spade it into the dirt with a shovel.
- ▶ Paint out excess oil-based paint before cleaning brushes in paint thinner.
- ➤ Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner at the hazardous waste collection facility. (See reverse for Hazardous Materials Management.)

LANDSCAPING

- >> Schedule grading and excavation projects for dry weather.
- ▶ Protect stockpiles and landscaping materials from wind and rain by storing them under tarps and secured plastic sheeting.
- ➤ Store pesticides, fertilizers, and other chemicals indoors or in a locked shed or storage cabinet.
- Make sure products are properly labeled and check inventory before buying additional products.
- ▶ Rinse containers and use rinse water as products before tossing out empty containers (5 gallons or less) in the trash.
- ▶ Get rid of unwanted products through the hazardous waste facility. (See reverse for Hazardous Materials Management.)
- ▶ Use temporary check dams or ditches to divert runoff away from storm drains.
- ▶ Protect storm drain inlets with berms, filter mats or other inlet protection measures.
- ➤ Revegetate the area. It's an excellent form of erosion control for any site.
- ➤ Collect lawn and garden clippings, pruning waste and tree trimmings. Chip, if necessary, and compost.
- ▶ Do not place yard waste in gutters. In communities with curbside yard waste recycling, leave clippings and pruning waste for pick-up in approved bags or containers or, take to a landfill that composts yard waste.
- Do not blow or rake leaves into the street.
- ➤ Call the County Stormwater Program at 499-6528 and ask for a copy of Bay- Friendly Landscape Guidelines for the Landscape Professional or visit www.bayfriendly.org

POOL/FOUNTAIN/SPA MAINTENANCE

Never discharge pool or spa water (and/or backwash water) to a street or storm drain. Call the County at 499-6528 for a copy of "Here's What To Do with the Water" or look in "other businesses" under www.mcstoppp.org

VEHICLE & EQUIPMENT

MAINTENANCE

- ➤ Frequently, inspect vehicles and equipment for leaks. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- ➤ Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- ➤ If you must clean vehicles or equipment on site, clean with water only and in a bermed area that will not allow rinsewater to run into streets, stormdrains, ditches, or creeks.
- **▶** Do not clean vehicles or equipment on site using soaps, solvents, degreasers, steam cleaning equipment, etc.

SAW CUTTING

- Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, sand bags, or fine gravel dams to keep slurry out of the storm drain system. If sawcut slurry enters a stormdrain, clean up immediately.
- Shovel, absorb, or vaccuum saw-cut slurry and pick up all waste as soon as you are finished in one location and by the end of each work day.

STORMWATER COORDINATORS

(During Normal Business Hours)

Town of San Anselmo Rabi Elias/Dave Craig 258-4616

Town of Corte Madera Kevin Kramer 927-5057

City of Belvedere Scott Derdenger 435-3838

Town of Ross Rob Maccario 453-8287 ext. 163

Town of Fairfax Kathy Wilkie 453-0291

City of Novato Dave Harlan 899-8246 City of Sausalito Engineering 289-4191

City of San Rafael Richard Landis 485-3355

County of Marin Howard Bunce 499-3748

Town of Tiburon Matt Swalberg 435-7354

City of Larkspur Mike Myers 927-5017

City of Mill Valley Jill Barnes 388-4033 ext. 116

To report illegal discharges to local waterways occurring after normal business hours, call 911; or, the County Sheriff's non-emergency line at 499-7233.

To report oil and chemical spills occurring in "open waters" or "on land" call 1-800-OILS911.

To report fish kills or poaching, call the California Department of Fish and Game at 1-888-334-2258.