

CITY OF SAUSALITO
420 Litho Street, Sausalito, CA 94965

Addendum No. 1

Issued June 21, 2019

For

Debris Removal Project

Page 1 of 15

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.

Revision:

CONTRACT DOCUMENTS, SPECIAL PROVISIONS-SPECIFICATIONS-BID DOCUMENTS

1. Change of Pre-Bid Meeting

- The Pre-Bid Meeting date and time is changed **TO** June 27, 2019 at 10AM, City of Sausalito Council Chambers, 420 Litho St. Sausalito California, 94965
- "After the pre-bid conference, there will be site visit. Due to the sensitive nature of the project area and to avoid repeat disruption to residents, bidders are highly encouraged to perform their site visit at the pre-bid conference. For bidders who do not attend the pre-bid conference, bidders are highly encouraged to notify the City prior to visiting the site so that that City can properly notify residents."

2. Bid Proposal Section 3.1 License

Replace the entire section with the following:

"Contractor is required to hold a valid California A (General Engineering Contractor) license, or C-21 (Building Moving/Demolition Contractor) license, and shall have a HAZ (Hazardous Substance Removal) Certification. In addition, all workers who are handling the debris shall have completed a Hazwoper 40-hour course that complies with OSHA regulations."

3. Bid Schedule

Replace Bid Schedule with the attached.

Debris Removal Project

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4. General Conditions Section 5.2 (H) Authorized Working Days and Times

Replace the entire section with the following:

"Contractor is limited to working Monday through Saturday, excluding holidays between the hours of 7:00AM and 7:00 PM except as provided in the Special Conditions or as authorized in writing by City. City reserves the right to charge Contractor for additional costs incurred by City due to Work performed on days or during hours not expressly authorized in the Contract Documents, including reimbursement of costs incurred for inspection, testing, and construction management services."

5. Technical Specifications Section 1-2, LAYDOWN AREA

Add as second paragraph:

"The contractor's staging area shall be a paved surface. The staging area shall be protected by BMPs at a minimum per "Marin County Stormwater Pollution Prevention Program Minimum Control Measures for Small Construction Projects" and "Pollution Prevention, It's Part of the Plan" attached to the Encroachment Permit, which shall be documented in the Contractor's Erosion and Sedimentation Control Plan. Unpaved staging areas may be considered only if the area has been fully covered with imported gravel surfacing. No native soil shall be disturbed."

6. Technical Specifications Section 1-6, COOPERATION

Add as a second paragraph:

"Segregating identified personal belongings. An inspector, hired on behalf of the City through a separate contract, will have responsibility for spotting personal belongings in the debris field during removal. If the inspector spots an item, they will halt work and seek assistance from the Contractor in collecting the item. A brief work stoppage will result from this process. The Contractor should be prepared to assist the Inspector in collecting the personal item."

7. Technical Specification addition of Slope Stabilization as Section 1-7A

Add:

"Upon completion of debris removal, the Contractor shall place jute mesh, complying with Section 21 of the State Standard Specifications, and then place hydroseed complying Section 21 of the State Standard Specifications, on the jute mesh. Seed mixture shall be locally applicable native seed and shall be in conformance with the California State Seed Law of the Department of Agriculture. Each seed bag shall be delivered to the site sealed and clearly marked as to species, purity, percent germination, dealer's guarantee and dates of test.

Prior to installation of jute mesh, Contractor shall roughen accessible areas with furrows trending along contours. Rolling with a crimping or punching type roller or track walking is required on all slopes prior to installation of the jute mesh. Track walking shall only be used where other methods are impractical.

Payment: The Contract Unit Price paid per square foot (SF) of jute mesh and hydroseed shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in placing the jute mesh and hydroseed."

8. Appendix A

Draft Encroachment Permit is attached.

Response to Prospective Bidder Question:

Question "The specs state that the bids must be completed in "ink", are you requesting that the bid documents are to be hand written or is typed ok?"

Answer: Yes, bid documents may be typed.

END OF ADDENDUM NO. 1

Debris Removal Project
Addendum No. 1

Issued By: City of Sausalito
Andrew Davidson
Senior Engineer
California Civil Engineer C048210
Sealed 21 August19
Expires 30June20



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.

Debris Removal Project
 Addendum 1, 6-21-19

BID SCHEDULE					
Item No	Item Description	Qty	Unit	Unit Price	Bid Item Total Quantity Price
1	Mobilization	1	LS		
2	Traffic Control and Construction Area Signs	1	LS		
3	Water Pollution Control	1	LS		
4	Remove and Dispose of Automobile	7	EA		
5	Debris Removal and Disposal at Class 3 Disposal Site	4,000	TON		
6	Debris Removal and Disposal at Class 2 Disposal Site	1,000	TON		
7	Debris Removal and Disposal at Class 1 Disposal Site	250	TON		
8	Jute Mesh and Hydroseed	26,000	SF		

PROJECT BASE BID TOTAL (IN NUMBERS) _____

PROJECT BASE BID TOTAL (IN WORDS) _____

TOTAL BASE BID: Items 1 through 8 inclusive: \$ _____

Note: The amount entered as the "total Base Bid" should be identical to the Base Bid amount in Section 1 of the Bid Proposal form.

Encroachment Permit Conditions

DRAFT
ENCROACHMENT
PERMIT

- Construction Standard(s): _____
- General Conditions: _____
- 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.
- 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. 415-499-7234
- The Contractor shall maintain local access and provide emergency vehicle access at all times.
- Compaction test is required and shall be submitted to local Public Works Department.
- Provide a traffic control plan per the Manual on Uniform Traffic Control Devices (MUTCD).
- Provide safe pedestrian and wheelchair access, per ADA and State requirements, during construction.
- See Project Specifications for hours of work.
- 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: _____

DRAFT
ENCROACHMENT
PERMIT

CITY OF SAUSALITO
STANDARD CONDITIONS FOR ENCROACHMENT PERMIT NO. _____
DESCRIPTION Debris Removal Project _____
Condition Marked X Apply to this Project

THIS ENCROACHMENT PERMIT IS GOOD FOR 6 MONTHS ONE YEAR 18 MONTHS AS NOTED ON THE
E.P. APPLICATION _____

- X 1. This permit, or a complete copy, shall be kept at the work site at all times while work is being performed.
- X 2. Notify Engineering Division staff at least 24 hours in advance of beginning work. _____ City Engineer at (415) 289-4111, ext. 111 and/or _____ Sewer Systems Coordinator at (415) 289-4192.
- 3. Contractor is to comply with all requirements of Ordinance No. 1048 (Noise Ordinance) including limiting hours of work in residential areas between 8:00AM and 6:00PM, 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.
- X 4. Permittee 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.
- X 5. The 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.
- X 6. All 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.
- 7. 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.
- X 8. Traffic 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.
- X 9. If 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.
- 10. 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.
- X 11. 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:
- 12. 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.
- 14. 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. _____

**DRAFT
ENCROACHMENT
PERMIT**

- 15. 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.
- 16. 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. 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. Special care shall be taken to match the existing finish, color, texture and score joining during replacement of the sidewalk.
- 19. Curb, gutter and sidewalk surfaces shall be broom finished unless otherwise approved by the City Engineer.
- 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. All backfill placement shall be approved by the City Engineer prior to permanent pavement replacement.
- 23. Tree roots shall not be cut or in any way damaged by Permittee.
- 24. Trench backfill shall be either concrete slurry containing one sack of cement per cubic yard with ¾ 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. Permittee shall bear the entire cost of restoring the street or other property of the City, to the satisfaction of the City Engineer. **that may have been damaged by permittee during course of work.**
- 26. Excavated materials, equipment, construction materials or other debris shall not be stored or stockpiled on public streets
- 27. 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. 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.
- 29. Undercut subgrade for gutter or sidewalk shall be filled with Class 2 Aggregate Base.
- 30. 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. 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. The Contractor is to provide a Erosion/Sedimentation Control Plan for City review and approval . City Approval must be obtained prior to commencing any work.
- 34. Underground Service Alert (USA) shall be notified at tel. (800) 642-2444, no later than 48 hours prior to excavation near utilities.
- 35. No new utility boxes or poles will be permitted in the sidewalk area without the written approval of the City Engineer.

City of Sausalito
Debris Removal Project
Draft Encroachment Permit
Special Conditions

1. The encroachment permit issued is only applicable to the City of Sausalito right of way. The Contractor is responsible for ensuring that it has made the proper notifications to property owners prior to entering private property.
2. No non-storm water shall be discharged into the public storm water drainage system.
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 or material into drainage inlet protection is permitted.
4. Maintain access to adjacent driveways at all times unless advance arrangements have been made with property owner/resident.
5. No Parking signs shall be obtained from City of Sausalito Department of Public Works. 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.
6. 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. Prior to start of construction a confirmation walk shall occur to visually confirm that none of the monuments have been damaged. Monuments shall not be covered with microsurface.
7. Contractor shall provide constant dust control.
8. No open excavations shall be left unattended.
9. Project shall not increase emergency response time and shall allow emergency vehicles to pass without delay.
10. Contractor shall notify County Dispatch prior to any road closure: 415-499-7234
11. Contractor shall provide an emergency contact phone number to County Dispatch. Emergency contact phone shall be monitored at all times while traffic control is in place.
12. Signs stating the date, time, location, contact name and phone number of responsible person in charge of the operation shall be posted, minimum one in each direction, at least 72 hours in advance of approved road closure. Signs shall consist of black letters on white background, shall be at least two feet times four feet in size.
13. Roads may only be closed during working hours.
14. Contractor shall minimize the amount of time any road is closed and shall allow traffic to pass through the work area with a minimum of delay as soon as safely practical.
15. Contractor shall submit traffic control plans for all phases of the work for review and approval by the City.
16. 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 with copy to City of Sausalito.
17. Storm water pollution prevention measures shall be in place prior to the start of any work. Measures shall be maintained for the duration of work in given location and removed

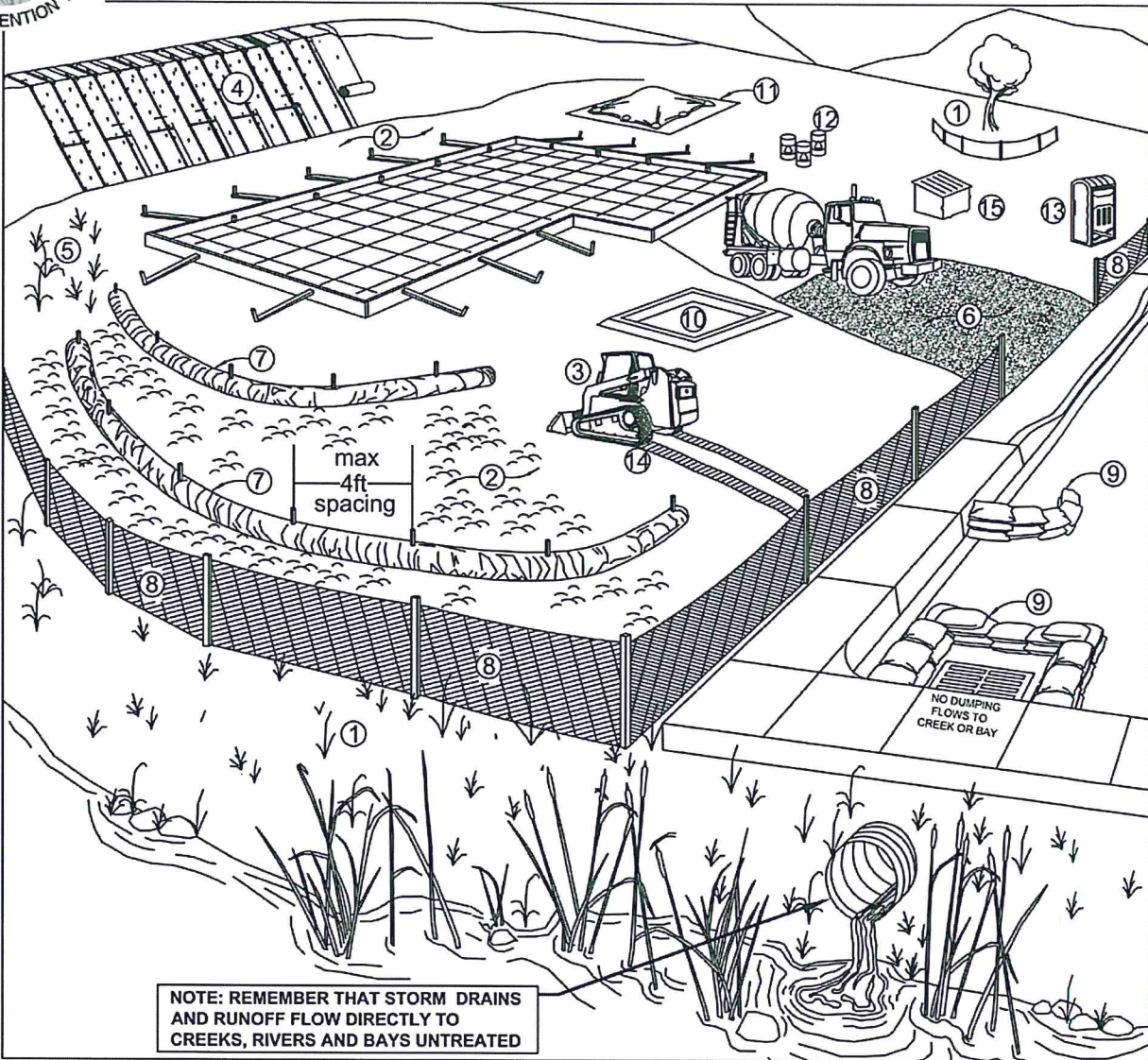
City of Sausalito
Debris Removal Project
Draft Encroachment Permit
Special Conditions

immediately upon completion of work in given location, or, as directed by City of Sausalito staff
or representative.



Marin County Stormwater Pollution Prevention Program

Minimum Control Measures For Small Construction Projects



<u>Erosion Controls</u>	<u>Sediment Controls</u>	<u>Good Housekeeping</u>
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>.

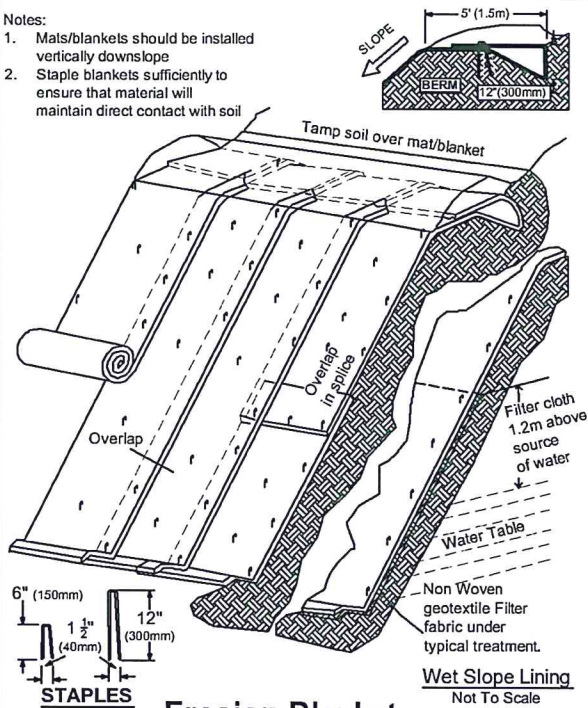
Visit www.mcstoppp.org for more information on construction site management and Erosion and Sediment Control Plans.

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

Control Measure		General Description
Erosion Control Best Management 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. <i>For more info see the following factsheets: CASQA: EC-1; or Caltrans: SS-1.</i>
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. <i>For more info see the following factsheets: CASQA: EC-2; or Caltrans: SS-2.</i>
2	Soil Cover	Cover exposed soil with straw mulch and tackifier (or equivalent). <i>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.</i>
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.). <i>For more info see the following factsheets: CASQA: EC-15.</i>
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 . <i>For more info see the following factsheets: CASQA: EC-7; or Caltrans: SS-7.</i>
5	Revegetation	Re-vegetate areas of disturbed soil or vegetation as soon as practical. <i>For more info see the following factsheets: CASQA: EC-4; or Caltrans: SS-4.</i>
Sediment 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. <i>For more info see the following factsheets: CASQA: TC-1; TC-3; or Caltrans: TC-1; TC-3.</i>
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. <i>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).</i>
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. <i>For more info see the following factsheets: CASQA: SE-1; SE-12; or Caltrans: SC-1.</i>
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. <i>For more info see the following factsheets: CASQA: SE-10; or Caltrans: SC-10.</i>
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_09.pdf . <i>For more info see the following factsheets: CASQA: NS-2; or Caltrans: NS-2.</i>
Good Housekeeping Best 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. <i>For more info see the following factsheets: CASQA: WM-8; or Caltrans: WM-8.</i>
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. <i>For more info see the following factsheets: CASQA: WM-3 or Caltrans: WM-3.</i>
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. <i>For more info see the following factsheets: CASQA: WM-6; or Caltrans: WM-6.</i>
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). <i>For more info see the following factsheets: CASQA: WM-9; or Caltrans: WM-9.</i>
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. <i>For more info see the following factsheets: CASQA: NS-8, NS-9, and NS-10; or Caltrans: NS-8, NS-9, and NS-10.</i>
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. <i>For more info see the following factsheets: CASQA: WM-5; or Caltrans: WM-5.</i>

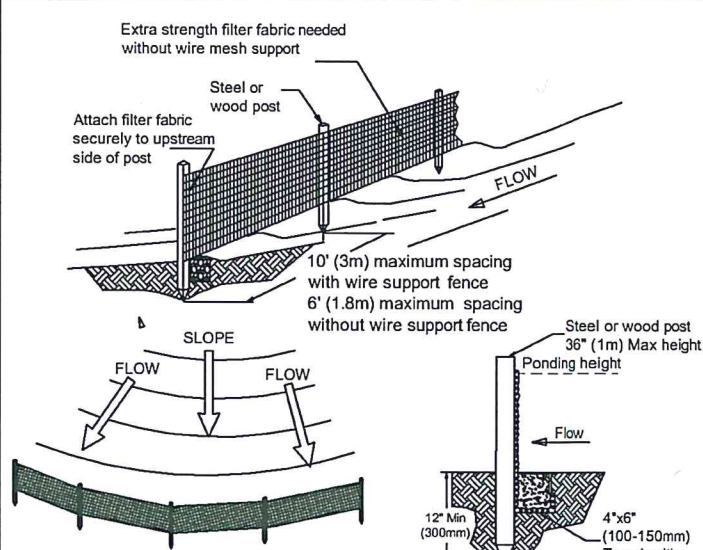
Notes:

- Mats/blankets should be installed vertically downslope
- Staple blankets sufficiently to ensure that material will maintain direct contact with soil



Erosion Blanket

Note: Actual layout determined in the field.

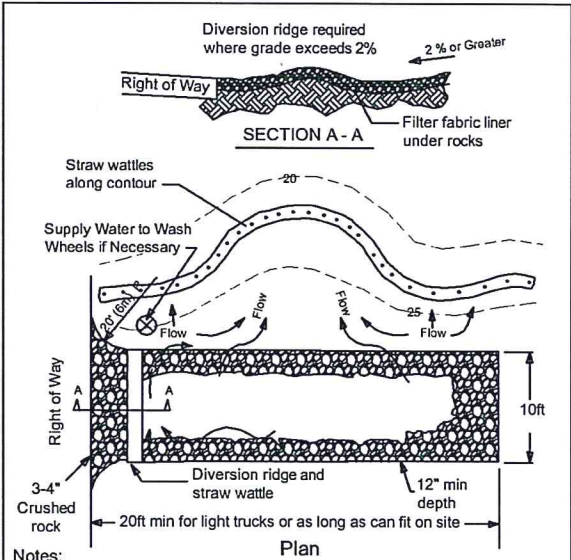


Notes:

- Silt fence shall be placed level along slope contours to maximize ponding efficiency with the ends curved uphill to improve ability to retain water.
- Inspect and repair fence after each storm event and remove sediment when accumulation reaches 1/3 of the barrier height.
- Removed sediment shall be deposited to an area that will not contribute sediment off-site and can be permanently stabilized

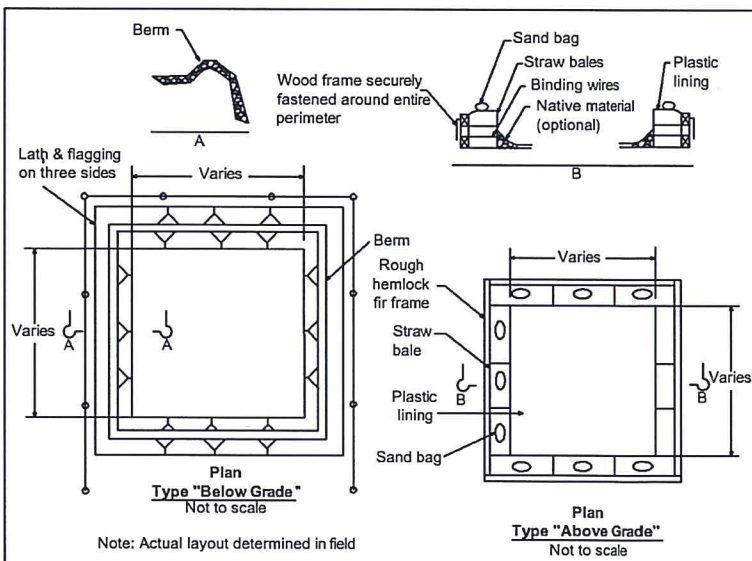
Silt Fence

NOT TO SCALE



Site Entrance

- Notes:**
- The entrance shall be maintained to prevent sediment tracking or flowing onto public right-of-ways. This may require top dressing, repair and/or cleanout or other measures that trap sediment.
 - 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.



Concrete Washout

Note: Actual layout determined in field



Catch Basins with Gravel Bags

(Do not use sand bags near inlets)

In Marin, all storm drains go directly to local waterways!

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 saw-cut slurry enters a stormdrain, clean up immediately.
- ▶▶ Shovel, absorb, or vacuum 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

City of Sausalito
Engineering
289-4191

Town of Corte Madera
Kevin Kramer
927-5057

City of San Rafael
Richard Landis
485-3355

City of Belvedere
Scott Derdenger
435-3838

County of Marin
Howard Bunce
499-3748

Town of Ross
Rob Maccario
453-8287 ext. 163

Town of Tiburon
Matt Swalberg
435-7354

Town of Fairfax
Kathy Wilkie
453-0291

City of Larkspur
Mike Myers
927-5017

City of Novato
Dave Harlan
899-8246

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.