P' N 2016 - 00444 Attachment R **BERRY & ASSOCIATES** A REV. POR 1733 WOODSIDE ROAD, SUITE 335 CO. GALLENTS **REDWOOD CITY, CA 94061** JOB# 3070 12/21/16 A REV PER MEW SITE PLAN 8-24-17 199 ARBOR LANE DRAINAGE REPORT-MOSS BEACH, CA 1. EXISTING CONDITION - VACANT LAND THE DRAINASE AREA INCLUDES UNDEVELOPED (SEE EXMIBITA) EXIST AREA = 14,320 SF (0,329 ACRES) 2. TO ACCOMODATE THE PROPOSED HOUSE, DRIVEDIAY AND HARDSCAPE FEATURES AND MAINTAIN PRE-CONSTRUCTION RUNOFF LEVELS, THE FOLLOWING SYSTEM IS PROPOSED: COLLECTION OF ROOF AND SURROUNDING HARDSCAPE IN A TIGHT-LINE SYSTEM CONNECTED TO AN ON-SITE RETENTION FACILITY WITH AN ENERGY REDUCTION BOX AND CLEANOUT, AS WELL AS AN OVERFLOW PIPE

3. THE RATIONAL BEHIND THIS SYSTEM

DESIGN IS THAT INCREASED RUNOFF

FROM THE PROPOSED DEVELOPMENT (100YEAR STORM EVENT) OVER THE EXISTING

(UNDEVELOPED) RUNOFF (10-YEAR STORMERNT)

WILL BE CAPTURED, STORED, AND

Attachment R 199 ARBOR



ALLOWED TO INFILTRATE INTO THE SUBGRADE. IN THE EVENT OF INTENSE (GREATER THAN A 100-YEAR STORM) RUNOFF, THE OVERFLOW WILL BUBBLE OUT AND DISSIPATE WITHIN THE FLAT AREA AT THE WEST SIDE OF THE SIDE (SEE EXHIBITC) RUNOFF WILL BE FURTHER PEDUCED WITH A PERVIOUS DRIVE WAY ALLOWING DIRECT INFILTRATION INTO THE SOIL. 4. USING THE RATIONAL METHOD (Q=CIA) TO CALCULATE PRE AND POST-CONSTRUCTION HIDAIDEFT ! (a) EXIST, CONDITION (SEE EXHIBITA) DRAWAGE AREA A= 14,320 SE = 0.329 ACRES INTESITY = I (F) SEE SM CO ID-F CHART FOR 10-YEAR STORM (EXHIBIT B) IN = 2.05 IN/HR F = 1.3 CENST = RUNOFF COEFF. Where, VACANT LAND AND QEXIST = CEXIST IN(F) A = 0.35(2,05) (1.3) (0.329)

[QEXIST = 0.307 CFS]

199 ARBOR

3

(b) PROPOSED CONDITION (EXHIBIT C)
A = 14,320 SF (0.329 ACRES)
(SEE BYHIBITE) I = 3,00 IN/HR, F=1.3
CPROP = EUNOFF CORFF. Where,
Proposed Puop & 25/0 SF
PROPOSED WEBSCHEE = 1430 SF (
FROM SEDLANDSCAPE = 10,380 SF
99 90 75
Croop - 0,95 (2519/4320) = 0,167
C 0.85/1430/4320 = 0.085
C LAND - 0, 35 (1938)/4-320 = 0,254
Cprop = 0.506
Onno = Com Int A
PAROD = CARD I TOO'F A = 0,506 (3,00)(1,3)(0,329)
D = 0649 CF5
LYPROP JANGER
(C) THE CHANGE IN RUNOFF IS
QA = QFIDD - QEXIST
VA TITE PAGI
0.649-0.307
10, = 0.342 CFS
Company of the second s

DEV. FRE CO COMMENTS 12/21/16 A PEN PER HEW SITE PIAN 50-24-17



5. EXCESS DRAINAGE (QA) WILL
BE CAPTURED AND RETRINED
IN AN ON-SITE PERFORATED
PIPE (48" DIAM,) WITH AND
ACCESS CLEANIOUT AND A
STABILIZED DIAMERETION.

FOR A 100-PEAR STORM OF 15-HINUTE DURATION, THE EXCESS RUNOFF IS QAX 15 Min X 60 SEC :. 0.342 X 900 = 307.8 CF

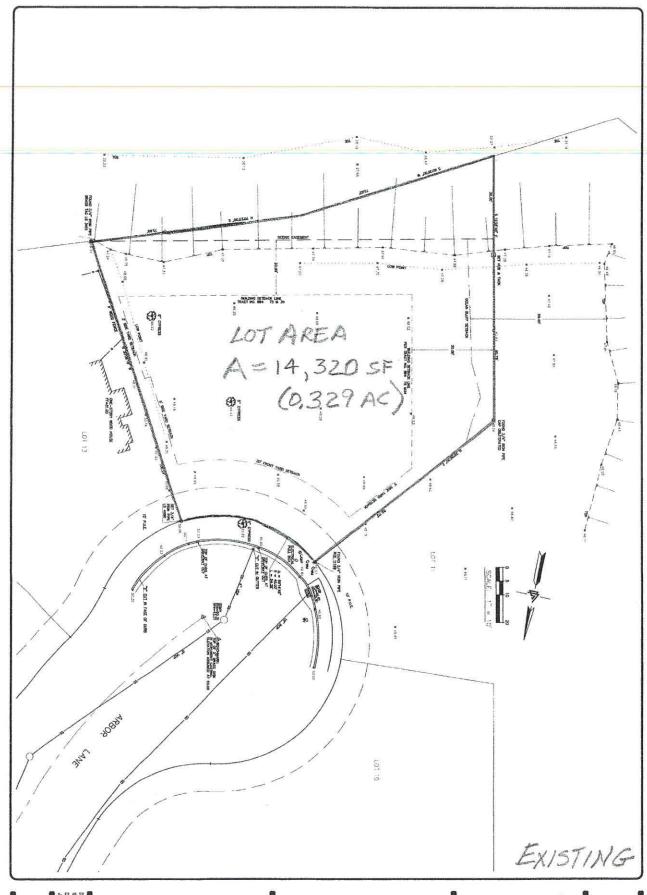
24,5 LF OF 18" PERF. PIPE WILL STORE 308CF.

". OK

A CONTROLLED (STABILIZED) OVERFLOW FROM THE
ENERGY REDUCTION PIPE WILL ALLOW
INTENSE STORM RUN OFF TO DISCIPLIZE
WITHIN THE REAR YEAR MALE
(SEE EXHIBIT)

20HN C

TOHN C. BERRY RCE 18720



Doto B - 9 - 1897
Scale 1* - 10*
Drawn By JRR
Job No. 97-41

Sheet

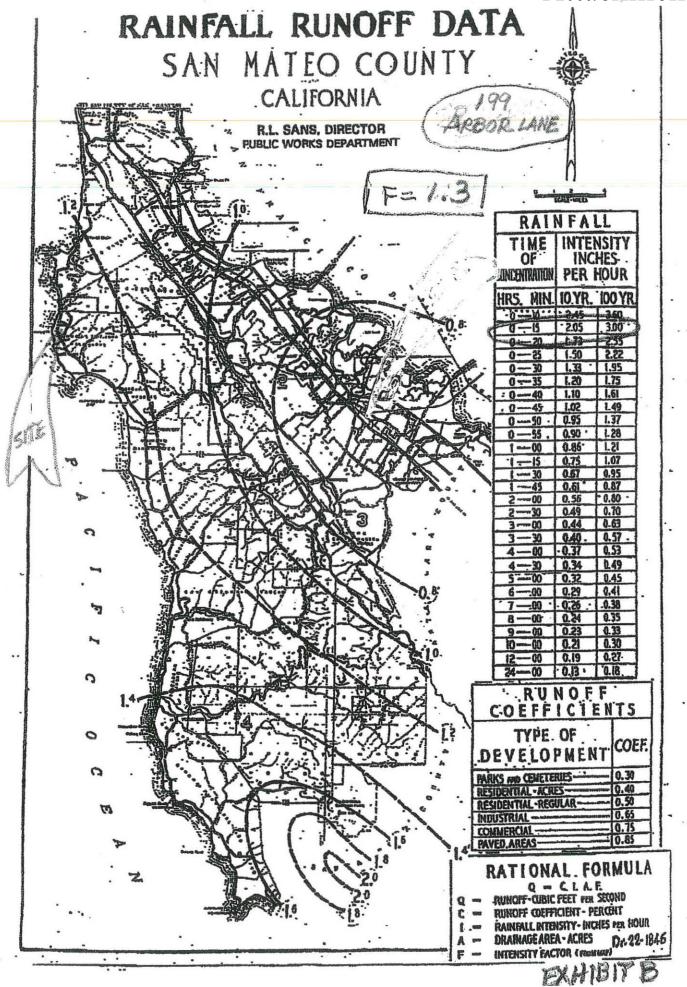
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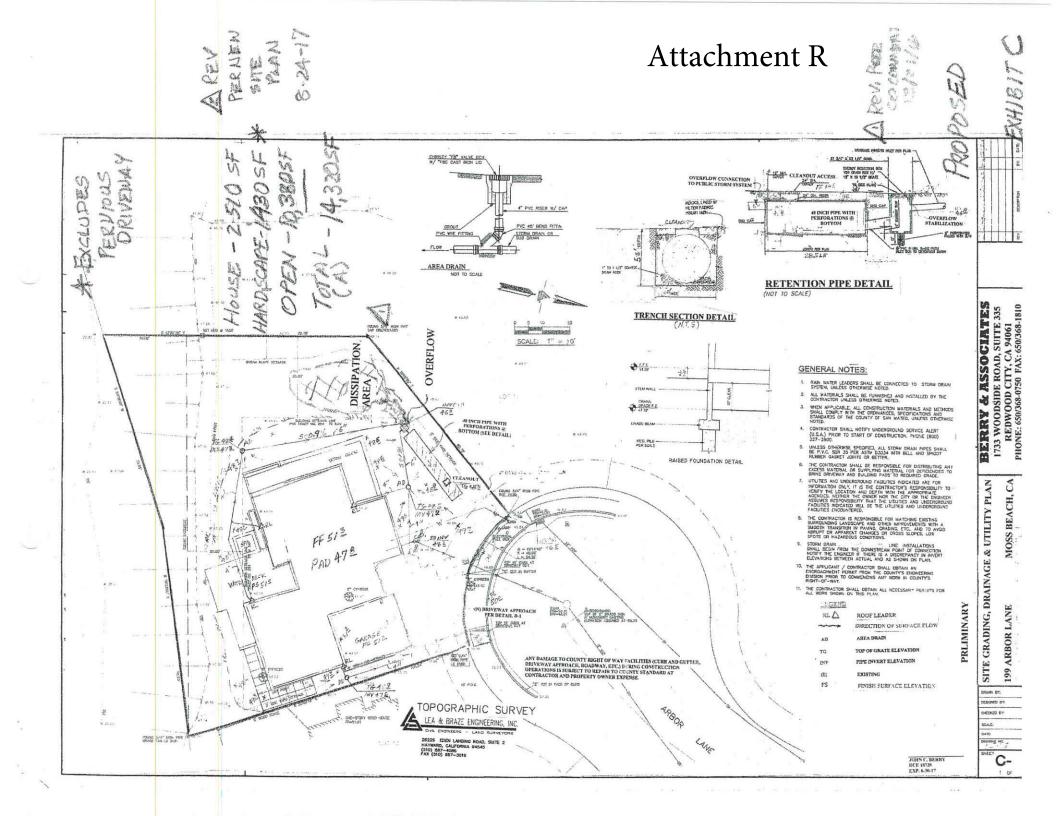
TOPOGRAPHIC SURVEY

FOR EUGENE BARHAR 199 ARBOR LANE MOSS BEACH



FXHIBIT A







Planning & Building Department 455 County Center, 2nd Floor Redwood City, CA 94063 BLD: 650-599-7311/PLN: 363-1825

C.3 and C.6 Development Review Checklist

Municipal Regional Stormwater Permit (MRP) Stormwater Controls for Development Projects

Applicants: This form should be filled out by the Project Civil Engineer, if one is associated with the project. Office Use: Planners, please scan to Accela Case and email to Diana, Richard and Camille.

Applicant Phone: Development type: (check all that apply) Single Family Residential: A stand-alone home that is not part of a larger p Single Family Residential: Two or more lot residential development. # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p	Slope on Site: %
Project Address & Cross St.: Project APN: Applicant Name: Applicant Phone: Development type: (check all that apply) Single Family Residential: A stand-alone home that is not part of a larger p Multi-Family Residential: Two or more lot residential development. # of Multi-Family Residential Commercial Industrial, Manufacturing Mixed-Use March SAN VECE SAN VECE SAN VECE SAN VECE LA.4 LA.4 LA.4 Applicant Phone: Single Family Residential: A stand-alone home that is not part of a larger p Multi-Family Residential: Two or more lot residential development. # of Multi-Family Residential Mixed-Use # of	Slope on Site: % oroject. of units:
Project APN: Applicant Name: Applicant Phone: Development type: (check all that apply) Single Family Residential: Two or more lot residential development. # of Multi-Family Residential Multi-Family Residential Commercial Industrial, Manufacturing Mixed-Use Mixed-Use	Slope on Site: % project. of units:
Applicant Name: Applicant Phone: Development type: (check all that apply) Single Family Residential: A stand-alone home that is not part of a larger process of the commercial commercial lindustrial, Manufacturing Mixed-Use I.A.4 Applicant Name: Applicant Phone: Single Family Residential: A stand-alone home that is not part of a larger process of the commercial commercial lindustrial, Manufacturing lindustrial, Manufacturing lindustrial, Manufacturing lindustrial, Manufacturing lindustrial, Manufacturing lindustrial lindus	Slope on Site: % project. of units:
Applicant Phone: Development type: (check all that apply) Single Family Residential: A stand-alone home that is not part of a larger p Single Family Residential: Two or more lot residential development. # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p Multi-Family Residential # of more part of a larger p	oroject.
Development type: (check all that apply) Single Family Residential: A stand-alone home that is not part of a larger p Single Family Residential: Two or more lot residential development. # of Multi-Family Residential # of Commercial Industrial, Manufacturing Mixed-Use	oroject. of units:
(check all that apply) Single Family Residential: Two or more lot residential development.¹ # c Multi-Family Residential # c Commercial Industrial, Manufacturing Mixed-Use Mixed-Use	of units:
Multi-Family Residential # 0 Commercial Industrial, Manufacturing Mixed-Use # 0	
☐ Commercial ☐ Industrial, Manufacturing ☐ Mixed-Use # o	of units:
☐ Industrial, Manufacturing ☐ Mixed-Use # o	
☐ Mixed-Use # o	
C Stanta Books? etc	of units:
☐ Streets, Roads², etc.	1963
'Redevelopment' as defined by MRP: creating, adding and/or replacing extimpervious surface on a site where past development has occurred.	erior existing
Special land use categories' as defined by MRP: (1) auto service facilities outlets, (3) restaurants, (4) uncovered parking area (stand-alone or part of	
☐ Institutions: schools, libraries, jails, etc.	
Parks and trails, camp grounds, other recreational	
☐ Agricultural, wineries	
☐ Kennels, Ranches	
Other, Please specify	
Project Description4: NEW SINGLE-FAMILY RESIDENCE	
(Also note any past or future phases of the project.)	
.2 Total Area of Site: 0.329 acres	
.3 Total Area of land disturbed during construction (include clearing, grading, excavating and stockpile are	ea): 0, 22 acres.
.5 Certification: ertify that the information provided on this form is correct and acknowledge that, should the project excew and/or replaced impervious surface provided in this form, the as-built project may be subject to additional	ed the amount of
Attach Preliminary Calculations Attach Final Calculations Attach copy of site plan showing a	
me of person completing the form; D JOHN C. BEERY Title: PROT	ECT CIVILENG!
C. C	
one number (650) 400-9005 Email address: Call Address: Cal	6 5 6

¹ Common Plans of Development (subdivisions or contiguous, commonly owned lots, for the construction of two or more homes developed within 1 year of each other) are not considered single family projects by the MRP.

² Roadway projects creating 10,000 sq.ft. or more of contiguous impervious surface are subject to C.3 requirements if the roadway is new or being widened with additional traffic lanes.

³ See Standard Industrial Classification (SIC) codes here

⁴ Project description examples: 5-story office building, industrial warehouse, residential with five 4-story buildings for 200 condominiums, etc.

C.3 and C.6 Development Review Checklist

I.B is the project a "C.3 Regulated Project" per MRP Provision C.3.b?

I.B.1 Enter the amount of impervious surface5 Retained, Replaced and/or Created by the project:

Table I.B.1 Impervious⁵ and Pervious Surfaces

Mark 20 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	I.B.1.a	I.B.1.b	I.B.1.c	I.B.1.d	I.B.1.e
Type of Impervious ⁵ Surface	Pre-Project Impervious ⁵ Surface (sq.ft.)	Existing Impervious ⁵ Surface to be Retained ⁶ (sq.ft.)	Existing Impervious ⁵ Surface to be Replaced ⁶ (sq.ft.)	New Impervious ⁵ Surface to be Created ⁵ (sq.ft.)	Post-Project Impervious ⁵ Surface (sq.ft.) (=b+c+d)
Roof area(s)	and the same	0	0	2510	2510
Impervious ⁵ sidewalks, patios, paths, driveways, streets	- Company	resident of the same of the sa	· Com	1430	1430
Impervious ⁵ uncovered parking ⁷	0	Color		Manatagraph	*NONEMENTALIS
Totals of Impervious Surfaces:	(T)	Notice and and	A CONTRACTOR OF THE PARTY OF TH	3940	.3940
I.B.1.f - Total Impervious ⁵ Surface Replaced and Crea	ted (sum of total	ls for columns I.	B.1.c and I.B.1.c	g:	1940
Type of Pervious Surface	Pre-Project Pervious Surface (sq.ft.)				Post-project Pervious Surface (sq.ft.)
Landscaping	14320				10,380
Pervious Paving	Western .			I.B.1.e.1:	
Green Roof	FLINGKES.				
Totals of Pervious Surfaces:					
Total Site Area (Total Impervious5+Total Pervious=1.A.2)	14:320				14320

Please review and attach additional worksheets as required below using the Total Impervious Surface (IS) Replaced and Created in cell I.B.1.f from Table I.B.1 above and other factors:

	Check all that apply:	Check	(One	Attach
	спеск ан тык арру.	Yes	No	Worksheet
I.B.2.a	Does this project involve any earthwork? If YES, then Check Yes, and Complete Worksheet A. If NO, then go to I.B.2.b	Þ		А
I.B.2.b	Is I.B.1.f greater than or equal to 2,500 sq.ft? If YES, then the Project is subject to Provision C.3.i complete Worksheets B, C & go to I.B.2.c. If NO, then Stop here - go to I.A.5 and complete Certification or ask municipal staff for Small Project Checklist.	Ø		B, C
I.B.2.c	Is the total Existing IS to be Replaced (column I.B.1.c) 50 percent or more of the total Pre-Project IS (column I.B.1.a)? If YES, site design, source control and treatment requirements apply to the whole site. Continue to I.B.2.d If NO, these requirements apply only to the impervious surface created and/or replaced. Continue to I.B.2.d		'A	
I.B.2.d	Is this project a Special Land Use Category (I.A.1) and is I.B.1.f greater than or equal to 5,000 sq.ft? If YES, project is a Regulated Project. Fill out Worksheet D. Go to I.B.2.f. If NO, go to I.B.2.e		ď	D
I.B.2.e	Is I.B.1.f greater than or equal to 10,000 sq.ft? If YES, project is a C.3 Regulated Project - complete Worksheet D. Then continue to I.B.2.f. If NO, then skip to I.B.2.g.		Þ	D
I.B.2.f	Is I.B.1.f greater than or equal to 43,560 sq.ft? If YES, project may be subject to Hydromodification Management requirements - complete Worksheet E then continue to I.B.2.g. If NO, then go to I.B.2.g.		I	E
I.B.2.g	Is I.A.3 greater than or equal to 1 acre? If YES, check box, obtain coverage under the CA Const. General Permit & submit Notice of Intent to municipality - go to I.B.2.h. If NO, then go to I.B.2.h. For more information see: www.swrcb.ca.gov/water_issues/programs/stormwater/construction.shtml		A	
I.B.2.h	Is this a Special Project or does it have the potential to be a Special Project? If YES, complete Worksheet F - then continue to I.B.2.i. If NO, go to I.B.2.i.		×	F
I.B.2.i	Is project a <i>High Priority Site</i> ? 1) Sites where the project requires a Grading Permit; 2) Sites with a) Residential new construction or a 50% or greater remodel, or b) Commercial/ Industrial construction of a new building or additions of 3,000 sq. ft. or greater, and with one or both of the following: (1) Sites where development will occur on a slope greater than or equal to 5:1, and/or (2) Sites where development will occur within 100 feet of a creek, wetland, or coastline; 3) Any public or private project involving work within a waterway; and 4) Sites within the ASBS watershed that involve soil disturbance If NO, then go to I.B.2.j	Ø	, 	epando de la composição d
I.B.2.j	For Municipal Staff Use Only: Are you using Alternative Certification for the project review? If YES, then fill out section G-1 on Worksheet G. Fill out other sections of Worksheet G as appropriate. See cell I.B.1.e.1 above - Is the project installing 3,000 square feet or more of pervious paving? If YES, then fill out section G-3 on Worksheet G. Add to Municipal Inspection Lists (C.3.h)			G





⁵ Per the MRP, pavement that meets the following definition of pervious pavement is NOT an impervious surface. Pervious pavement is defined as pavement that stores and infiltrates rainfall at a rate equal to immediately surrounding unpaved, landscaped areas, or that stores and infiltrates the rainfall runoff volume described in Provision C.3.

⁶ "Retained" means to leave existing impervious surfaces in place, unchanged; "Replaced" means to install new impervious surface where existing impervious surface is removed anywhere on the same property; and "Created" means the amount of new impervious surface being proposed which exceeds the total existing amount of impervious surface at the property.

7 Uncovered parking includes the top level of a parking structure.

C.3 and C.6 Development Review Checklist

Worksheet A

C6 – Construction Stormwater BMPs

Identify Plan sheet showing the appropriate construction Best Management Practices (BMPs) used on this project: (Applies to all projects with earthwork)

Plan Sheet	Best Management Practice (BMP)
Exilipos	Control and prevent the discharge of all potential pollutants, including pavement cutting wastes, paints, concrete, petroleum products, chemicals, wash water or sediments, rinse water from architectural copper, and non-stormwater discharges to storm drains and watercourses.
EROSIONI CANTROL	Store, handle, and dispose of construction materials/wastes properly to prevent contact with stormwater.
BIMP SHEET	Do not clean, fuel, or maintain vehicles on-site, except in a designated area where wash water is contained and treated.
BMPSHEET	Train and provide instruction to all employees/subcontractors re: construction BMPs.
EROSIAN	Protect all storm drain inlets in vicinity of site using sediment controls such as berms, fiber rolls, or filters.
4	Limit construction access routes and stabilize designated access points.
BMP /	Attach the San Mateo Countywide Water Pollution Prevention Program's construction BMP plan sheet to project plans and require contractor to implement the applicable BMPs on the plan sheet.
No.	Use temporary erosion controls to stabilize all denuded areas until permanent erosion controls are established.
	Delineate with field markers clearing limits, easements, setbacks, sensitive or critical areas, buffer zones, trees, and drainage courses.
	Provide notes, specifications, or attachments describing the following: Construction, operation and maintenance of erosion and sediment controls, include inspection frequency; Methods and schedule for grading, excavation, filling, clearing of vegetation, and storage and disposal of excavated or cleared material; Specifications for vegetative cover & mulch, include methods and schedules for planting and fertilization; Provisions for temporary and/or permanent irrigation.
1	Perform clearing and earth moving activities only during dry weather.
	Use sediment controls or filtration to remove sediment when dewatering and obtain all necessary permits.
	Trap sediment on-site, using BMPs such as sediment basins or traps, earthen dikes or berms, sit fences, check dams, soil blankets or mats, covers for soil stock piles, etc.
	Divert on-site runoff around exposed areas; divert off-site runoff around the site (e.g., swales and dikes).
¥	Protect adjacent properties and undisturbed areas from construction impacts using vegetative buffer strips, sediment barriers or filters, dikes, mulching, or other measures as appropriate.
	ECONTROL BROWNED BIND SHEET EROSHINA EROSHINA BIND SHEET



C.3 and C.6 Development Review Checklist

Worksheet B

C3 - Source Controls

Select appropriate source controls and identify the detail/plan sheet where these elements are shown.

Yes	Detail/Plan Sheet No.	Features that require source control measures	Source Control Measures (Refer to Local Source Control List for detailed requirements)
M	C = Z	Storm Drain	Mark on-site inlets with the words "No Dumping! Flows to Bay" or equivalent.
	NA	Floor Drains	Plumb interior floor drains to sanitary sewer ⁸ [or prohibit].
	NIA	Parking garage	Plumb interior parking garage floor drains to sanitary sewer.8
×	CANDSCATE PLAN	Landscaping	 Retain existing vegetation as practicable. Select diverse species appropriate to the site. Include plants that are pest-and/or disease-resistant, drought-tolerant, and/or attract beneficial insects. Minimize use of pesticides and quick-release fertilizers. Use efficient irrigation system; design to minimize runoff.
×	ARCHITECT	Pool/Spa/Fountain	Provide connection to the sanitary sewer to facilitate draining. ⁸
	N/A	Food Service Equipment (non-residential)	Provide sink or other area for equipment cleaning, which is: Connected to a grease interceptor prior to sanitary sewer discharge. Large enough for the largest mat or piece of equipment to be cleaned. Indoors or in an outdoor roofed area designed to prevent stormwater run-on and run-off, and signed to require equipment washing in this area.
	ga i la Baderaca desperado por esta periodo de la composição de la composi	Refuse Areas	 Provide a roofed and enclosed area for dumpsters, recycling containers, etc., designed to prevent stormwater run-on and runoff. Connect any drains in or beneath dumpsters, compactors, and tallow bin areas serving food service facilities to the sanitary sewer.⁸
	Per e Proc e sego	Outdoor Process Activities 9	Perform process activities either indoors or in roofed outdoor area, designed to prevent stormwater run-on and runoff, and to drain to the sanitary sewer.8
	Olivers and the second second second	Outdoor Equipment/ Materials Storage	 Cover the area or design to avoid pollutant contact with stormwater runoff. Locate area only on paved and contained areas. Roof storage areas that will contain non-hazardous liquids, drain to sanitary sewer⁸, and contain by berms or similar.
	A The system is the second	Vehicle/ Equipment Cleaning	 Roofed, pave and berm wash area to prevent stormwater run-on and runoff, plumb to the sanitary sewer⁸, and sign as a designated wash area. Commercial car wash facilities shall discharge to the sanitary sewer.⁸
	Menter production, restriction as weares	Vehicle/ Equipment Repair and Maintenance	 Designate repair/maintenance area indoors, or an outdoors area designed to prevent stormwater run-on and runoff and provide secondary containment. Do not install drains in the secondary containment areas. No floor drains unless pretreated prior to discharge to the sanitary sewer.⁸ Connect containers or sinks used for parts cleaning to the sanitary sewer.⁸
	The second section of the second section section section section second section sectin	Fuel Dispensing Areas	 Fueling areas shall have impermeable surface that is a) minimally graded to prevent ponding and b) separated from the rest of the site by a grade break. Canopy shall extend at least 10 ft. in each direction from each pump and drain away from fueling area.
	ADERO FOLKER BARACOURFAREN	Loading Docks	 Cover and/or grade to minimize run-on to and runoff from the loading area. Position downspouts to direct stormwater away from the loading area. Drain water from loading dock areas to the sanitary sewer.⁸ Install door skirts between the trailers and the building.
	Ŷ.	Fire Sprinklers	Design for discharge of fire sprinkler test water to landscape or sanitary sewer.8
	Charles growing to the land	Miscellaneous Drain or Wash Water	 Drain condensate of air conditioning units to landscaping. Large air conditioning units may connect to the sanitary sewer.⁸ Roof drains from equipment drain to landscaped area where practicable. Drain boiler drain lines, roof top equipment, all wash water to sanitary sewer.⁸
	Book	Architectural Copper Rinse Water	 Drain rinse water to landscaping, discharge to sanitary sewer⁸, or collect and dispose properly offsite. See flyer "Requirements for Architectural Copper."

⁸ Any connection to the sanitary sewer system is subject to sanitary district approval.

⁹ Businesses that may have outdoor process activities/equipment include machine shops, auto repair, industries with pretreatment facilities.

C.3 and C.6 Development Review Checklist

Worksheet C

Low	Impact	Develo	pment -	- Site	Design	Measures
-----	--------	--------	---------	--------	--------	----------

Select Appropriate Site Design Measures (Required for C.3 Regulated Projects; all other projects are encouraged to implement site design measures, which may be required at municipality discretion.) Projects that create and/or replace 2,500 – 10,000 sq.ft. of impervious surface, and stand-alone single family homes that create/replace 2,500 sq.ft. or more of impervious surface, must include one of Site Design Measures a through f (Provision C.3.i requirements). 10 Larger projects must also include applicable Site Design Measures g through i. Consult with municipal staff about requirements for your project.

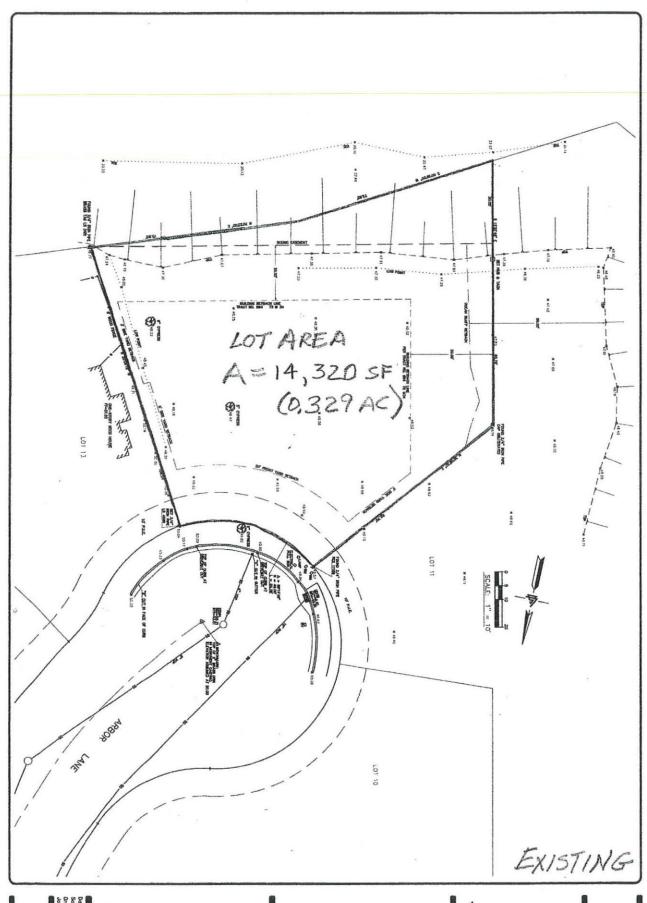
Select appropriate site design measures and Identify the Plan Sheet where these elements are shown.

Yes	Plan Sheet Number	
	31	 Direct roof runoff into cistems or rain barrels and use rainwater for irrigation or other non-potable use.
Ø	C 1	b. Direct roof runoff onto vegetated areas.
	CORETELEW)	c. Direct runoff from sidewalks, walkways, and/or patios onto vegetated areas.
		d. Direct runoff from driveways and/or uncovered parking lots onto vegetated areas.
		 Construct sidewalks, walkways, and/or patios with pervious or permeable surfaces. Use the specifications in the C3 Technical Guidance (Version 4.1) downloadable at <u>www.flowstobay.org/newdevelopment</u>.
		f. Construct blke lanes, driveways, and/or uncovered parking lots with pervious surfaces. Use the specifications in the C3 Technical Guidance (Version 4.1) downloadable at <u>www.flowstobay.org/newdevelopment</u> .
		g. Limit disturbance of natural water bodies and drainage systems; minimize compaction of highly permeable soils; protect slopes and channels; and minimize impacts from stormwater and urban runoff on the biological integrity of natural drainage systems and water bodies.
		h. Conserve natural areas, including existing trees, other vegetation and soils.
		i. Minimize impervious surfaces.

Regulated Projects can also consider the following site design measures to reduce treatment system sizing:

Yes	Plan Sheet Number	
		j. Self-treating area (see Section 4.2 of the C.3 Technical Guidance)
D.	C-1	k. Self-retaining area (see Section 4.3 of the C.3 Technical Guidance)
		I. Plant or preserve interceptor trees (Section 4.1, C.3 Technical Guidance)

¹⁰ See MRP Provision C.3.a.i.(6) for non-C.3 Regulated Projects, C.3.c.i.(2)(a) for Regulated Projects, C.3.i for projects that create/replace 2,500 to 10,000 sq.ft. of impervious surface and stand-alone single family homes that create/replace 2,500 sq.ft. or more of impervious surface.
5
1/1/16 v.2



TOPOGRAPHIC SURVEY

FOR EUGENE BARHAR
199 ARBOR LANE
MOSS BEACH



EXHIBIT A

