











CSI Engineering 77 Solano Square #283 Benicia, CA 94510 (707) 563-8612 www.csieng.com

BROWNSTONE & MAIN



3.4 10.46 3.4 4.05

3.4 1.51

3.4

3.4 2.01

3.4 10.25

12.26

140,668 cu ft

354,853 cu ft 214,186 cu ft

60,863 sq ft

45.0 ft

3.52 ft

2.00 ft

5.52 ft

42.37 ft

39.48 ft

2.89 ft

175,842 cu ft

38,344 cu ft

16.02

1.25

1.25

1.25

BROWNSTONE & MAIN

SHEET 8 OF 14 SHEETS

APN: 034-210-006

CONCEPTUAL STORM WATER PLAN

BROWNSTONE & MAIN, OAKLEY, CA

STORM RUNOFF TABULATION

EXISTING IMPERVIO	US SURFACES	
LOCATION		ADEA (OE)
LOCATION		AREA (SF)
SITE		
TOTAL		
NEW IMPERVIOUS S	URFACES	
LOCATION		
HARDSCAPE		86 400 00
HARDSCAPE BUILDINGS		86,400.00 17,314.00

EXISTING PERVIOUS SURFACES		
LOCATION		
SITE		198,025.78
	·	

PROPOSED PERVIOUS SURFACES		
LANDSCAPE AREAS		4,440.00
POND		87,471.00
CHANNEL		4,942.00
TOTAL		96,853.00

NET INCREASE IN IMPERVIOUS SURFACES	96,853.0
MINIMUM TREATMENT REQUIRED (4%)	3,874.12
ACTUAL TREATMENT PROVIDED	92,413.0

TREATMENT METHOD: DETENTION POND AND VEGETATED CHANNEL

WATER POLLUTION AND GOOD HOUSEKEEPING NOTES

MATERIALS POLLUTION PREVENTION PLAN.

METAL STUDS

A. APPLICABLE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION. OTHER MATERIALS AND SUBSTANCES NOT LISTED BELOW SHALL BE ADDED TO THE INVENTORY.

PETROLEUM BASED PRODUCTS CONCRETE **DETERGENTS** CLEANING SOLVENTS PAINTS (ENAMEL AND LATEX)

B. MATERIAL MANAGEMENT PRACTICES SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANMCE TO STORM WATER RUNOFF. AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCT AS IS REQUIRED TO DO THE JOB.

MASONRY BLOCK

C. ALL MATERIALS STORED ONSITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS.

D. PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.

E. SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTUREER.

F. WHENEVER POSSIBLE, A PRODUCT SHALL BE USED UP COMPLETELY BEFORE DISPOSING OF THE CONTAINER.

G. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.

H. THE CONTRACTOR SHALL CONDUCT INSPECTIONS TO ENDURE PROPER

2. ONSITE AND OFFISTE PRODUCTS SPECIFIC PLAN

USE AND DISPOSAL OF MATERIALS ONSITE.

A. THE FOLLOWING PRODUCT SPECIFIC PRACTICES SHALL BE FOLLOWED ONSITE:

> 1) PETROLEUM BASED PRODUCTS: ALL ONSITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATUVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCE USED ONSITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURE'S RECOMMENDATION.

> 2) PAINTS: ALL CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL NOT BE DISCHARGED TO THE CITY DARAINAGE SUSTEM BUT SHALL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURE'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS