



COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS  
ENVIRONMENTAL PROGRAMS DIVISION

SAMPLE

**CONSTRUCTION AND DEMOLITION DEBRIS  
RECYCLING AND REUSE PLAN**

Complete and Submit to Building and Safety Field Office or:

Date: June 1, 2005

County of Los Angeles Department of Public Works  
Environmental Programs Division

900 S. Fremont Avenue, Annex Building, 3rd Floor  
Alhambra, CA 91803

Telephone (626) 458-3546 Fax (626) 737-1723

Office Hours: 7 a.m. - 5:30 p.m. Monday thru Thursday

Building and Safety Field Offices Hours: 8 a.m. - 4:30 p.m. Monday thru Friday

Applicant Name: Joe Builder

Applicant Mailing Address: Best Builders, Inc.

company name

100 Construction Lane

street

Los Angeles, CA 90087

city, state, zip

Phone: 213-123-4567

Fax: 213-123-4569

E-mail: joe@BBInc.com

Project Name: LA Business and Retail Center

Project Site Address: 555 Retail Street

street

Los Angeles, CA 90001

city, state, zip

Project Type: ☐ Construction ☒ Demolition ☐ Grading  
Relation to Project: ☒ Owner ☐ Contractor ☐ Authorized Representative

Expected Project Start Date: July 11, 2005 Expected Project End Date: July 22, 2005

Project Description: Demolition of existing shopping center building. Approximately 3,000 square feet.

Assessor's Parcel Number: 1234 - 200 - 123

Plan Check Number(s): 1234567890

**FOR DPW USE ONLY**

RRP ID: \_\_\_\_\_ Project Valuation: \$ \_\_\_\_\_

Meets 50 Percent Requirement: ☐ Yes ☐ No

Project Exempt? ☐ Yes. Reason: \_\_\_\_\_

Approved Percent if Lower Than 50%: \_\_\_\_\_

Reason for Approval of Lower Percent: \_\_\_\_\_

RRP Approved: ☐ Yes ☐ No Date: \_\_\_\_\_

Approved By: \_\_\_\_\_ (626) 458-\_\_\_\_\_

Sign

Print

Date Received

## RECYCLING AND REUSE PLAN – Page 2

### Vendors & Facilities

In Table 1, list all recyclers, waste haulers, deconstruction contractors, salvage companies, recycling facilities, materials recovery facilities, landfills, and transfer stations that will be used for disposal, recycling, or reuse of project construction and demolition (C&D) debris. It is recommended to list any potential alternative vendors and facilities to be used. This will avoid the need to submit an amended RRP in case the services of a vendor or facility outside of the original selection are used.

Obtain Handling Method and Estimated Recycling Rate by contacting each facility. **If you intend to deliver material to an Inert Debris Engineered Fill Operation, please read the information provided in the attached instruction sheet.**

Table 1

Company That Will Haul Material	Facility Where Material Will Be Delivered and Address	Facility Phone Number	Facility Handling Method*	Estimated Recycling/Reuse Rate (%)** if applicable
Refuse Hauling, Inc.	Puente Hills Landfill 2800 S. Workman Mill Whittier, CA 90601	562-699-7411	Landfill disposal	0%
Refuse Hauling, Inc.	Master Recycling Co. 2845 Durfee Ave. El Monte, CA 91732	626-442-4242	Recycling	50%
Artesia Sawdust	Artesia Sawdust 13434 Ontario Ave. Ontario, CA 91761	909-947-5983	Recycling	90%
Best Builders, Inc.	Habitat for Humanity 2111 Bonita Ave. La Verne, CA 91750	909-596-7098	Reuse	95%
Best Builders, Inc.	CWS 621 West 152 <sup>nd</sup> St. LA, CA 90247	310-538-5998	Post collection processing	60%

\* Provide a description of the manner in which the project C&D debris will be handled (recycled, reused, salvaged, disposed, processed, etc).

\*\* The Recycling/Reuse Rate is the amount of material recycled/reused by a facility divided by the amount of material delivered to that facility.

# **RECYCLING AND REUSE PLAN – Page 3** **Estimating C&D Debris Recycled, Reused, and Disposed**

## **Estimating Tonnage**

In Table 2, estimate the tonnage of C&D debris that you expect to generate, recycle, reuse, and dispose. If you are unable to provide estimates based on comparable projects that you have completed in the past, you may calculate expected tonnage using the Construction and Demolition Debris Generation Rates Table below. Then, refer to Attachment 1 (Construction and Demolition Debris Composition Table) to determine the likely composition of the material that you will generate. Also use Attachments 2 and 3 to assist you in completing Table 2.

### **Construction and Demolition Debris Generation Rates (from the LA County Best Management Practices Guide)**

Activity	Residential Project (pounds generated per sq. ft.)	Nonresidential Project (pounds generated per sq. ft.)
Renovation	3.31	No data available
New Construction	4.38	3.89
Demolition	115	155

## **Recycling Requirements:**

1. At least 50 percent of rock, soil, and gravel removed from a project site must be recycled or reused.
2. At least 50 percent of all other C&D debris, exclusive of rock, soil, and gravel, must also be recycled or reused.
  - a. No more than 2/3 of this C&D debris can consist of inert materials such as asphalt, brick, concrete, and ceramics. The remaining 1/3 must consist of non-inert materials such as wood, gypsum, metal, plastic, etc.

→ Applicants are encouraged to divert waste from landfills to the maximum extent feasible. The County is available to assist in not only meeting the 50 percent requirement, but also exceeding it.

**Table 2**

Inert material to be delivered to Inert Debris Engineered Fill Operations: 0 tons (do not include in table below)

Material Type	A Total Tons to be Generated D + E	B Tons to be Recycled	C Tons to be Reused or Salvaged	D Total Tons Recycled, or Reused/Salvaged B + C	E Tons to be Disposed
Mixed C&D: wood, gypsum, metal, glass, plastic, organics, etc.	103	60	8	<u>68</u> tons <u>66</u> % of total tons generated (D/A)	35
Inert Debris: asphalt, brick, concrete, ceramic, rebar, etc. (can represent a maximum of 2/3 of the required 50% diversion)	75	45	0	<u>45</u> tons <u>60</u> % of total tons generated (D/A)	30
<b>Total Tons</b>	<b>178</b>	<b>105</b>	<b>8</b>	<b>113</b>	<b>65</b>
<b>Diversion Rate Calculation:</b> $\frac{113 \text{ tons}}{(D)} \div \frac{178 \text{ tons}}{(A)} = \underline{63} \%*$					
Rock, soil, gravel (recycle or reuse 50% of material removed from project site)	55	20	0	<u>20</u> tons <u>36</u> % of total tons generated (D/A)	35
<b>Total Tons</b>	<b>55</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>35</b>
<b>Diversion Rate Calculation:</b> $\frac{20 \text{ tons}}{(D)} \div \frac{55 \text{ tons}}{(A)} = \underline{36} \%*$					

\* If less than 50% diversion, describe extenuating factors preventing the project from meeting the 50% rate (attach additional sheets if necessary): Recent tests have determined that soil is contaminated. Will take to special waste landfill.

**RECYCLING AND REUSE PLAN – Page 4**  
**Signature Page**

Project Name: LA Business and Retail Center

Project Site Address: 555 Retail Street  
street  
Los Angeles, CA 90001  
city, state, zip

Owner Information: The Retail Center Owner  
print name  
4444 Main Street  
street  
Los Angeles, CA 90001

Please sign below if you are the owner(s) or legal representative(s).

Note that any violation of the provisions of Chapter 20.87 of the C&D Debris Recycling and Reuse Ordinance will be subject to an administrative penalty, enforcement, and collection proceedings, as set forth in the chapter and authorized by Section 53069.4 of the California Government Code. The Director of Public Works may withhold approval of any and all RRP's submitted by the responsible person on any project(s) until the applicable administrative penalty has been paid. In addition, the amount of any unpaid administrative penalty may be declared a lien on any real property on which the project took place, as provided in Section 20.87.120 of the Ordinance.

The undersigned fully acknowledges the requirements of Chapter 20.87, Title 20 – Utilities of the Los Angeles County Code, C&D Debris Recycling and Reuse Ordinance, Section 20.87.090.

**If you are not the owner(s), attach a notarized statement indicating you are the legal representative.**

X <u>Joe Builder</u>	<u>Joe Builder</u>	<u>June 1, 2005</u>
Sign	Print Name	Date
 X _____	 _____	 _____
Sign	Print Name	Date
 X _____	 _____	 _____
Sign	Print Name	Date