



# City of Rancho Palos Verdes Master Specifications for C&D Recycling Public Works Projects

## **CONSTRUCTION AND DEMOLITION DEBRIS RECYCLING REQUIREMENTS**

Subsection 7-15 is hereby added to the Standard Specifications:

### **PART 1 GENERAL**

#### **7-15.1.1 SUMMARY**

- A. This Section includes requirements for the diversion of construction and demolition (C&D) waste materials generated by a Project, including the requirement to submit a C&D Debris Management Plan prior to the commencement of the Project and the requirement to submit quantitative reports as a condition of the approval of progress payments. The City's requirements are consistent with the following state requirements and standards:
  - 1. Assembly Bill 939, the Integrated Solid Waste Management Act of 1989, requires cities to divert 50% of all solid waste through source reduction, reuse, recycling, and composting programs. The City's recycling requirements for C&D waste materials generated by the Project are targeted to achieve this overall diversion rate.
  - 2. Effective January 1, 2017, the 2016 California Green Building Standards Code (2016 CALGreen) requires a minimum of 65% diversion of C&D debris. Additionally, 2016 CALGreen requires that all non-residential alterations with a permit valuation of greater than \$200,000 or above, and all non-residential additions of 1,000 square feet or greater, must properly manage universal waste materials. For new construction, a disposal of 2 lb/ft<sup>2</sup> or less is also accepted as compliance with 2016 CALGreen.

#### **7-15.1.2 DEFINITIONS**

- A. Class III Landfill. A landfill that accepts non-hazardous waste such as household, commercial, and industrial waste, resulting from construction, remodeling, repair, and demolition operations. A Class III landfill must have a solid waste facilities permit from the California Department of Resources Recycling and Recovery (CalRecycle) and be regulated by the Enforcement Agency (EA).
- B. Construction and Demolition Debris or C&D Debris. Solid waste resulting from construction, remodeling, repair, cleanup, alteration, addition, or demolition operations that are not hazardous as defined in California Code of Regulations, Title 22, Section 66261.3 et seq. This term includes, but is not limited to, asphalt, concrete, Portland cement, brick, lumber, gypsum wallboard, cardboard and other associated packaging, roofing material, ceramic tile, carpeting, plastic pipe, and steel. The debris may be commingled with rock, soil, tree stumps, and other vegetative matter resulting from land clearing and landscaping for construction or land development projects.
- C. Contracting Officer. The City of Rancho Palos Verdes Director of Public Works or designee.
- D. C&D Recycling Center. A facility that receives only C&D material that has been separated for reuse or recycling prior to receipt, in which the residual (disposed) amount of waste in the material is less than 10% of the amount separated for reuse or recycling, by weight.
- E. Disposal. Final deposition of C&D or inert debris into land, including stockpiling onto land, of C&D debris that has not been sorted for further processing or resale, if such stockpiling is for a period of time greater than 30 days; and C&D debris that has been sorted for further processing or resale, if such stockpiling is for a period of time greater than one year, or stockpiling onto land of inert debris

that is for a period of time greater than one year.

- F. Diversion or Divert. The reuse or recycling of C&D debris to avoid disposal in a landfill.
- G. Enforcement Agency (EA). Enforcement agency as defined in Public Resources Code 40130.
- H. Inert Disposal Facility or Inert Waste Landfill. A disposal facility that accepts only inert waste such as soil and rock, fully cured asphalt paving, uncontaminated concrete (including fiberglass or steel reinforcing rods embedded in the concrete), brick, glass, and ceramics, for land disposal.
- I. Inert Solids or Inert Waste. Non-liquid solid wastes including, but not limited to, soil and concrete that do not contain hazardous waste or soluble pollutants at concentrations in excess of water quality objectives established by a regional Water Board pursuant to Division 7 (Sections 13000 et seq) of the California Water Code and does not contain significant quantities of decomposable solid resources.
- J. Mixed C&D Debris. Loads that include commingled recyclable and non-recyclable C&D debris generated at the construction site.
- K. Mixed Debris Recycling Facility. A processing facility that accepts loads of solid waste and/or recycling materials for the purpose of recovering reusable, recyclable, and compostable materials and disposing the non-recyclable residual materials.
- L. Project. Any activity for which a permit for building, demolition, land clearing, or other permit is required. This includes road improvements such as overlay, reconstruction, and slurry seal, as well as other projects as directed by the Contracting Officer, or designee.
- M. Recycling. The process of collecting, sorting, cleansing, treating and reconstituting materials for the purpose of using the altered form in the manufacture of a new product. Recycling does not include burning, incinerating, or thermally destroying solid waste.
- N. Reuse. The use of a material that might otherwise be discarded, in the same or similar form as it was produced.
- O. Separated for Reuse. Materials, including commingled recyclables, that have been separated or kept separate from the solid waste stream for the purpose of additional sorting or processing those materials for reuse or recycling in order to return them to the economic mainstream in the form of raw material for new, reused, or reconstituted products which meet the quality standards necessary to be used in the marketplace, and includes materials that have been "source separated."
- P. Solid Waste. Refer to Public Resources Code Section 40191.
- Q. Source-Separated. Materials, including commingled recyclables, that have been separated or kept separate from the solid waste stream at the point of generation, for the purpose of additional sorting or processing of those materials for reuse or recycling in order to return them to the economic mainstream in the form of raw materials for new, reused, or reconstituted products which meet the quality standards necessary to be used in the marketplace.
- R. Structure. That which is built or constructed and used or intended for supporting or sheltering any use or occupancy.
- S. Universal Waste. Materials including, but not limited to, photovoltaic (PV) modules, batteries, cell phones, electronic waste, cathode ray tubes/glass, electronic devices with lead, fluorescent lamps, thermometers and other items containing mercury, and non-empty aerosol cans. Refer to California

Code of Regulations, Title 22, Division 4.5, for further handling information.

- T. Waste Hauler. A company that possesses a valid permit from the City of Rancho Palos Verdes to collect and transport solid wastes from individuals or businesses for the purpose of recycling or disposal.

#### 7-15.1.3 DIVERSION REQUIREMENTS

- A. Contractor shall comply with all requirements found in the most recently updated version of the California Green Building Standards Code including, but not limited to, the following:
1. The Contractor shall cause a minimum of 65% of the solid waste generated by the Project, by weight, to be diverted from landfill disposal through a combination of reuse, recycling, and composting activities.
  2. The Contractors shall cause 100% of waste resulting from land clearing to be reused or recycled, including trees, stumps, rocks, and associated vegetation and soils.
  3. Contractors making non-residential alterations with a permit valuation of \$200,000 or above, or non-residential additions of 1,000 square feet or greater, must provide verification that all universal waste has been disposed of properly and has been diverted from landfills.

#### 7-15.1.4 SUBMITTALS (see **Appendix for submittal form and other information**)

A. C&D Debris Waste Management Plan (WMP)

1. Prior to commencing the Project, Contractor shall submit the Project Information form (Form PW-A) and Pre-Project Worksheet (Form PW-B or Form PW-B1) on the forms included in the Appendix attached hereto.
2. To complete Form PW-B, select a hauler from the list of companies authorized to collect solid waste from within city limits. This form is to be signed and dated by an authorized representative of the contracting company.
3. To complete Form PW-B1, review Contract Documents and estimate the types and quantities of materials under the Project that are anticipated to be feasible for on-site processing, source separation for reuse, or recycling. Indicate the procedures that will be implemented to effect jobsite source separation, such as identifying a convenient location where dumpsters would be located, putting signage to identify materials to be placed in dumpsters, etc.
  - a. Refer to the attached list for a list of local reuse and recycling organizations and companies.
  - b. The C&D Debris Waste Management Plan and Estimate must include, but not be limited to, the following:
    - (a) Contractor's name and project identification information;
    - (b) Methods to be used to comply with diversion requirements;
    - (c) Materials to be re-used and recycled;
    - (d) Estimated quantities of each material;
    - (e) C&D debris, commingled and sorted offsite, or source separated on site;
    - (f) Names and locations of re-use and recycling facilities/sites;
    - (g) Tonnage calculations that demonstrate a minimum 65% by weight of the C&D debris generated by the Project will be reused or recycled, 100% of the land clearing debris will be

reused or recycled, and universal waste will be properly managed (if applicable for project).

- (h) If Contractor cannot demonstrate that the Project will meet diversion requirements, Contractor must provide an explanation of the circumstances that will prevent the Project from meeting the diversion requirements.
- 4. Contractor's C&D Debris Waste Management Plan must be approved by the Contracting Officer prior to the Start of Work on the Project.
- 5. Approval of Contractor's C&D Debris Waste Management Plan does not relieve the Contractor of responsibility for adequate and continuing control of pollutants and other environmental protection measures, or any other requirements established by law.

**B. C&D Debris Post-Project Summary**

- 1. If Form PW-B was completed, submit the Post-Project Summary (Form PW-C) with copies of all weight tickets associated with the Project with each application for progress payment. No detailed accounting of weights or loads is necessary, so the "Summary" and "Project Diversion" sections do not need to be completed.
- 2. If Form PW-B1 was completed, submit the Post-Project Summary (Form PW-C) with each application for progress payment. Failure to submit the form and its supporting documentation will render the application for progress payment incomplete and delay progress payments. If applicable, include manifests, weight tickets, receipts, and invoices specifically identifying the Project for re-used and recycled materials:
  - a. On-site crushing of asphalt and concrete for use on-site or off-site.
  - b. Reuse of building materials or salvageable items.
  - c. Source-separated recycling facilities.
  - d. Mixed debris recycling facilities.
  - e. Recycling of C&D debris, including soils, as landfill alternative daily cover.
  - f. Delivery of soils or mixed inerts to an inert landfill or other use.
  - g. Disposal of soils or other materials at a landfill or transfer station.
  - h. Other (describe).

**C. The C&D Debris Post-Project Summary (Form PW-C) must quantify all materials generated by the Project, disposed in Class III Landfills, or diverted from disposal through recycling. Indicate zero (0) if there is no quantity to report for a type of material. As indicated on the form:**

- 1. Report disposal or recycling, either in tons or in cubic yards: if scales are available at disposal or recycling facility, report in tons; otherwise, report in cubic yards. Report in units for salvage items when no tonnage or cubic yard measurement is feasible.
- 2. Indicate locations to which materials are delivered for reuse, salvage, recycling, accepted as daily cover, inert backfill, or disposal in landfills or transfer stations.
- 3. Provide legible copies of weigh tickets, receipts, or invoices that specifically identify the Project generating the material. Said documents must be from recyclers and/or disposal site operators that can legally accept the materials for the purpose of reuse, recycling, or disposal.
- 4. Indicate project address, project number, name of the company completing the Summary Report and compiling backup documentation, the printed name and signature of the person completing the form, and the date that the Summary Report is completed.

## PART 2 PRODUCTS

(Not used.)

## PART 3 EXECUTION

### 7-15.3.1 SALVAGE, REUSE, RECYCLING AND PROCEDURES

- A. Identify reuse, salvage, and recycling facilities: Refer to the attached list for a list of local organizations and companies.
- B. Develop and implement procedures to reuse, salvage, and recycle new construction and excavation materials, based on the Contract Documents, the C&D Debris Waste Management Plan, estimated quantities of available materials, and availability of recycling facilities. Procedures may include on-site recycling, source separated recycling, and/or mixed debris recycling efforts.
  - 1. Identify materials that are feasible for salvage, determine requirements for site storage, and transportation of materials to a salvage facility.
  - 2. Source-separate new construction, excavation and demolition materials.
  - 3.. Develop and implement a program to transport loads of mixed (commingled) new construction materials that cannot be feasibly source-separated to a mixed materials recycling facility.

### 7-15.3.2 DISPOSAL OPERATIONS AND WASTE HAULING

- A. Legally transport and dispose of materials that cannot be delivered to a source-separated or mixed recycling facility to a transfer station or disposal facility that can legally accept the materials for the purpose of disposal.
- B. Use a permitted waste hauler or Contractor's trucking services and personnel. To confirm valid permitted status of waste haulers, contact the City of Rancho Palos Verdes Public Works Department at (310) 544-5252, or email your Project Manager at [publicworks@rpvca.gov](mailto:publicworks@rpvca.gov).
- C. Become familiar with the conditions for acceptance of new construction, excavation and demolition materials at recycling facilities, prior to delivering materials.
- D. Deliver to facilities that can legally accept new construction, excavation and demolition materials for purpose of re-use, recycling, composting, or disposal.
- E. Do not burn, bury or otherwise dispose of solid waste on the project job-site.

### 7-15.3.3 REUSE AND DONATION OPTIONS

- A. Implement a reuse program to the greatest extent feasible. Options may include:
  - 1. Los Angeles County Materials Exchange (LACOMax) LACoMAX is a free service provided by the Los Angeles County Department of Public Works, Environmental Programs Division. LACoMAX is a free service designed to help residents, businesses, and organizations in Los Angeles County find markets for their industrial by-products, surplus materials, and other would-be discards. The primary goal of LACoMAX is to conserve landfill space by helping businesses, organizations, and institutions find alternatives to the disposal of valuable materials that are presently discarded as waste. Users of this online materials exchange service can browse or post listings of a wide variety of available and wanted materials. Listings are categorized by 15

material classifications and six regions and include common items such as wood pallets, out-of-fashion textiles, and chemicals as well as more uncommon items. The listings also contain contact information, allowing you to make direct contact with the listing party. All exchanges are coordinated between the parties. The site can be accessed at <http://www.ladpw.org/epd/lacomax>.

#### 7-15.3.4 REVENUE

- A. Revenues or other savings obtained from recycled, re-used, or salvaged materials shall accrue to Contractor unless otherwise noted in the Contract Documents.

END OF SECTION

**CONSTRUCTION DEMOLITION DEBRIS DIVERSION REQUIREMENTS**  
**PUBLIC WORKS PROJECTS (CALGREEN 2016, EFFECTIVE JANUARY 1, 2017)**

Project Category	Project Type	Threshold	CALGreen Minimum Diversion Requirement (Recycle and/or Salvage for Reuse) <sup>o</sup>
<b>Structures</b> (Defined by CAL Building Code as that which is built or constructed. Applies to buildings designed for occupancy, and does not include roads or sewers)	<b>New Construction</b>	All permitted structures of any size; does not include additions, alterations or repairs	<b>A)</b> Equal to or greater than 65% diversion, OR <b>B)</b> Disposal of less than or equal to 2 pounds per sq.ft.
	<b>Demolition Only</b>	All permitted structures of any size	65% or greater
	<b>Additions</b> (An extension or increase in floor area of an existing building or structure)	Less than 1,000 sq.ft.	Equal to or greater than 65% diversion
		1,000 sq.ft. or greater	<b>A)</b> Equal to or greater than 65% diversion AND <b>B)</b> Universal Waste (i.e. batteries, e-waste, lamps, cathode ray tubes/glass, aerosol cans) must be managed properly and diverted from the landfill.
	<b>Alterations</b> (Any construction or renovation to an existing structure other than repair for the purpose of maintenance or addition)	Less than \$200,000 valuation	Equal to or greater than 65% diversion
		Equal or greater than \$200,000 valuation (Valuation includes the costs for foundation work, structural and non-structural building components, electrical, plumbing, mechanical, and interior finish material)	<b>A)</b> Equal to or greater than 65% diversion AND <b>B)</b> Universal Waste (i.e. batteries, e-waste, lamps, cathode ray tubes/glass, aerosol cans) must be managed properly and diverted from the landfill.
<b>Roadways and Sidewalks</b>	<b>New Construction</b>	All projects >= \$25,000	75%* of inert materials; 100% of greenwaste; 65%* of all other materials
	<b>Overlay</b>		
	<b>Medians</b>		
	<b>Curb &amp; Gutter</b>		
<b>Storm drains</b>	<b>New Construction</b>	All projects >= \$25,000	75%* of inert materials; 65%* of all other materials
	<b>Repairs &amp; Maintenance</b>		
<b>Trails</b>	<b>New Construction</b>	All projects >= \$25,000	75%* of inert materials; 100% of greenwaste; 65%* of all other materials
	<b>Repairs and Maintenance</b>		
<b>Soil Excavation and Land Clearing (including Turf areas)</b>	<b>Soil Excavation and Land Clearing</b>	All soil excavation and land clearing projects	100% of trees, stumps, rocks, and associated vegetation and soils resulting from land clearing shall be reused or recycled (Exception: soil contaminated by disease or pest infestation)

<sup>o</sup> "Guide to the 2016 California Green Building Standards Code - Nonresidential," Section 5.408 (p. 48), <https://www.documents.dgs.ca.gov/bsc/CALGreen/CALGreen-Guide-2016-FINAL.pdf>

\* Not mandatory per CALGreen requirements, but recommended diversion minimum by Public Works. A lower diversion requirement will be considered on a case-by-case basis, provided Form PW-D is submitted. Talk to your Project Manager before completing Form PW-D if you think these minimums cannot be met.



**City of Rancho Palos Verdes**  
**Public Works Department**  
 (310) 544-5252  
 publicworks@rpvca.gov

***Construction and Demolition Debris Waste Management Plan (WMP)***  
***PUBLIC WORKS PROJECTS (including MUNICIPAL ROAD CONSTRUCTION,***  
***OVERLAY, SIDEWALK REPAIR OR LAND CLEARING PROJECTS)***  
***INSTRUCTIONS***

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Pursuant to the California Green Building Code of 2016 (2016 CALGreen), the City of Rancho Palos Verdes requires **diversion (repurposed, reused, or recycled) of at least 65%** of non-hazardous construction and demolition (C&D) debris from Public Works projects.

A C&D Waste Management Plan must be submitted to the Public Works Department for municipal projects or projects on public property. The contents of this packet, when completed, constitute a C&D Debris Waste Management Plan (WMP). This packet is designed to track the amount of C&D debris diverted or disposed from your City-related (i.e. Public Works) project.

If you believe your project cannot achieve the required diversion, you must complete and submit **Form PW-D**, the **EXEMPTION REQUEST** form, to the City (i.e. your Project Manager) explaining the circumstances, and requesting an exemption from the requirements.

**Step 1: Complete Forms PW-A and PW-B**

**Form PW-A** is the **PROJECT INFORMATION** form. This form asks for basic project information, such as name, type, description, location, and contractor contact information.

**Form PW-B** is the **PRE-PROJECT WORKSHEET** form. This form asks for estimated amounts of debris that will be generated by the project.

Option 1: If you are electing to contract with hauler(s) from the **Authorized Hauler** list who will handle recycling compliance on your behalf, complete **Form PW-B** (short form).

Option 2: If you will be handling all waste management activities (through direct hauling or use of own bins), complete **Form PW-B1**. Estimate the weight of the C&D debris, by material type, that will be recycled, reused, salvaged, disposed and/or transformed from your project.

You must complete either **Form PW-B** or **PW-B1**.

**Step 2: Submit Forms to Public Works**

**Forms PW-A** and **PW-B** (or **PW-B1**) must be submitted to your Public Works Project Manager and approved prior to commencing work.

**Step 3: Complete POST-PROJECT SUMMARY - FORM PW-C**

At least 5 business days prior to contractor requesting release of final project retention, submit a completed **FORM PW-C** to Public Works at publicworks@rpvca.gov.

**\*NOTE\*** A **FACILITY INFO** list showing nearby companies that accept C&D materials for recycling is included in this packet. This list was developed to assist you in finding local facilities to use as an alternative to disposal. If you use a certified mixed C&D processing facility, your project will meet the diversion requirements.

There are authorized haulers that do business in Rancho Palos Verdes. The **HAULER LIST** showing companies that are authorized to collect solid waste in RPV is included in this packet. You must use one of these haulers if contracting for waste removal service.

**For your convenience, there are electronic versions of the forms that will automatically calculate waste generation, disposal, and diversion based on the data entered.**





**City of Rancho Palos Verdes**  
**Public Works Department**  
 (310) 544-5252  
 publicworks@rpvca.gov

Date: \_\_\_\_\_  
 PW Project Manager: \_\_\_\_\_  
 PW Project Name: \_\_\_\_\_

### ***Form PW-A - PROJECT INFORMATION***

Submit this form to the Public Works Department prior to commencing your project for all municipal projects subject to compliance, or projects on public property.

Project Name: \_\_\_\_\_ Project Address / Location: \_\_\_\_\_  
 Contractor Name: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Ofc Phone No.: \_\_\_\_\_ Cell No.: \_\_\_\_\_ Email: \_\_\_\_\_

**Project Type:** Mark appropriate box in each column with an "X":

- ☐ **Road** (construction, overlay, repair)  
☐ **Facility Improvement** (renovation, alteration, or addition)  
☐ **Land Clearing** (trail, grading, etc)  
☐ **Other** \_\_\_\_\_

Estimated Project Start Date: \_\_\_\_\_ Estimated Project End Date: \_\_\_\_\_

Request for Exemption: ☐ (If you are requesting an exemption, please fill out Form PW-D: Exemption Request)

To the best of my knowledge, the above information is an accurate representation of the proposed project. I have been made aware of the 2016 CALGreen requirements and will comply with all requirements.

\_\_\_\_\_  
 Print Name Title Signature Date

#### **PW OFFICE USE ONLY - Approval Status**

- ☐ **Approved** ☐ **Denied**  
☐ **Further Explanation Needed** ☐ **Exempt Due to Infeasibility**

Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_



City of Rancho Palos Verdes  
Public Works Department  
(310) 544-5252  
publicworks@rpvca.gov

Project Name: \_\_\_\_\_

Date: \_\_\_\_\_

### ***Form PW-B (Short Form) - PRE-PROJECT WORKSHEET - PUBLIC WORKS PROJECTS***

***This form must be completed and approved or a demolition/building permit will NOT be issued***

Instead of completing a detailed accounting of the types and quantities of C&D debris that will be generated from this project (FORM PW-B1), you have the option to select one of RPV's authorized waste haulers. These haulers can handle your project's debris in such a way as to comply with CALGreen standards.

If you elect this option, please specify which authorized hauler(s) and/or facility(ies) you will be using and sign the acknowledgement below.

It is your responsibility to ensure that the hauler knows you are contracting for "C&D Recycling Service" so that the material is properly handled and waste diverted. You need to obtain weight tickets from the hauler indicating the type and weight of the material collected.

**In order to comply with the requirements of this WMP, I will contract with the following hauler(s):**

(Names are in alphabetic order. Place a check next to the company or companies that you will contract with for this project)

☐

CalMet Services

☐

California Waste Services (CWS)

☐

Consolidated Disposal (aka Republic/Allied Waste)

☐

EDCO Disposal (EDCO)

☐

Universal Waste Systems (UWS)

☐

Waste Management - L.A. (WM)

☐

West Coast Rolloff

I understand that I am responsible for obtaining copies of any and all weight tickets from all haulers and/or all facilities which receive debris from this project and that I will submit a Post-Project Summary (FORM PW-C) at least 5 business days prior to final inspection.

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Project Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Form PW-B1 - PRE-PROJECT WORKSHEET - PUBLIC WORKS PROJECTS**

**[This form is to be completed only if you plan to use your own company-owned bins/trucks for disposition of material]**

**This form must be completed and approved or a demolition/building permit will NOT be issued**

In the table below, list estimated weight of debris, by material type, that will be generated, recycled, reused, salvaged, disposed, and/or transformed by this project.

You must include the haulers and all recyclers, salvage companies, recycling facilities, mixed use material recovery facilities, landfills, and/or transformation facilities that will be used for this project.

To estimate **GENERATION (1)**, enter estimates in weight (tons, T) for each material type that will be handled by the project. If you do not know weights, you must calculate the weight by multiplying the volume by the conversion factors on the next page, then dividing the pounds by 2,000 to get tons.

After generation is estimated, enter the estimate for **DIVERSION (2)** for each material type that will be handled by the project. This can be split between recycling and reuse/salvage.

The difference between generation and diversion is **DISPOSAL (3)**. If no diversion will take place for a material type, then disposal will equal the generation amount for each material type. If only a portion of the material will be diverted, then the remainder will be disposed.

**If a Mixed C&D Processing facility is to be used, enter the estimated tonnage to be delivered to the facility, the recycling rate for that facility, and the subsequent recycling and disposal estimates.**

To estimate the project's **DIVERSION RATE (D)**, divide the total of all **DIVERSION (B)** by the total of all **GENERATION (A)** and multiply by 100.

	GENERATION (1)	DIVERSION (2)			DISPOSAL (3)	
MATERIAL TYPE	Total Tons to be Generated***	Tons to be Recycled	Tons to be Reused or Salvaged	Total Tons Recycled, Reused, or Salvaged	Commingled & Sorted Offsite (Off); or Source Separated On-Site (On)	Total Tons to be Disposed and/or Transformed
Asphalt	19.32	16.42	1.93	18.35	On	0.97
Mixed C&D Debris Processing	286.00	75% Recycling Rate		214.50	Off	71.50
Asphalt						
Bulky Items						
Cardboard						
Carpet						
Carpet Padding						
Concrete/Dirt/Gravel/Rock/Sand						
Doors						
Fiberglass Insulation						
Fixtures						
Flat Glass						
Gypsum						
HVAC Ducting						
Leaves & Grass						
Major Appliances						
Metals						
Other Aggregates						
Roofing Material (Asphalt/Clay)						
Trimming/Branches/Stumps						
Windows						
Wood, Lumber, Pallets						
Mixed Trash						
Mixed C&D Debris Processing (all material to be mixed and hauled offsite for recycling)		Recycling Rate				
<b>TOTAL GENERATION (A)</b>		<b>TOTAL DIVERSION (B)</b>				<b>TOTAL DISPOSAL (C)</b>
<b>Definitions</b> <b>Disposal</b> is debris that is delivered to a landfill and/or transformation facility and not recycled, reused, or <b>Diversion</b> is debris that is recycled, reused, or <b>Generation</b> is the total of all disposal and diversion		<div style="border: 1px solid black; width: 80px; height: 20px; margin: 0 auto;"></div> <b>(B+A)*100</b>		<b>ESTIMATED TOTAL PROJECT DIVERSION RATE (D)</b>		

\*\*\* If you need to estimate tons based on cubic yards, use the conversion factor worksheet on the back and copy the result from Column C.

**Conversion Factor Worksheet**

Use this worksheet if you need to convert cubic yards to tons for your project estimates.

	Pounds per Cubic Yard	Estimated Cubic Yards	Tons = (Column A x Column B) / 2000
	Column A	Column B	Column C
Asphalt	772.80		
Bulky Items	80.00		
Cardboard	53.00		
Carpet	147.00		
Carpet Padding	62.00		
Concrete/Dirt/Gravel/Rock/Sand	929.33		
Fiberglass Insulation	17.00		
Flat Glass	1400.00		
Gypsum	467.00		
HVAC Ducting	47.00		
Leaves & Grass	312.50		
Major Appliances	145.00		
Metals	225.00		
Other Aggregates	860.00		
Roofing Material (Asphalt/Clay)	795.50		
Trimming/Branches/Stumps	127.00		
Wood, Lumber, Pallets	169.00		
Mixed C&D Debris	1100.00		



**City of Rancho Palos Verdes**  
**Public Works Department**  
 (310) 544-5252  
 publicworks@rpvca.gov

### ***Form PW-C - POST-PROJECT SUMMARY***

Project Name: \_\_\_\_\_ Project Address: \_\_\_\_\_  
 Contractor Name: \_\_\_\_\_ Project Manager: \_\_\_\_\_  
 Project Number: \_\_\_\_\_ Date: \_\_\_\_\_

This form must be submitted to the Public Works Department at least 5 business days prior to project finalization. Provide facility name, material, and total tonnage disposed and/or diverted. Documentation must be attached (i.e. weight tickets). If an approved mixed waste processing facility was used, a report by the facility for this project is preferred. Return the completed form to the Public Works Department at Publicworks@rpvca.gov. You may use additional sheets if necessary.

#### **USE OF AUTHORIZED HAULERS OR FACILITIES**

If you used one of the authorized haulers or facilities included in your packet, complete this section, then skip to the SIGNATURE section below.

I used \_\_\_\_\_ to meet the recycling requirements. Weight tickets are attached.  
 (List haulers and/or facilities that were used)

#### **SUMMARY**

##### **I. FACILITIES**

Please list all facilities (i.e. landfill and/or transformation, recycling/reuse/salvage, mixed C&D debris processing, materials recovery) used for this project and enter the sum of all tickets/receipts per facility:

FACILITY NAME	TONS DELIVERED	TONS DIVERTED	TONS DISPOSED	DIVERSION RATE
1				
2				
3				
4				
Other (reused on site)				
<b>TOTALS</b>	(A)	(B)	(C)	

#### **PROJECT DIVERSION**

Please enter disposal and diversion totals for each item below, according to letter. Totals reported must match those listed in Section I:

**TOTAL GENERATED**  (A) **TOTAL DIVERTED**  (B) **TOTAL DISPOSED**  (C)  
**OVERALL PROJECT DIVERSION RATE**  %  
 (B/A)\*100

To the best of my knowledge, the above information is an accurate representation of the disposition of the construction and demolition materials generated on the jobsite. I understand that the City of Rancho Palos Verdes may audit disposal and recycling documentation for this project.

Print Name \_\_\_\_\_

Signature \_\_\_\_\_

#### **PW OFFICE USE ONLY**

**Diversion Requirement Met:** ☐ Yes ☐ No **Exemption:** ☐ Yes ☐ No

**Reviewed and Approved by:** \_\_\_\_\_ **Date:** \_\_\_\_\_



**CITY OF RANCHO PALOS VERDES  
CONSTRUCTION AND DEMOLITION DEBRIS RECYCLING  
FORM PW-D - EXEMPTION REQUEST**

**Project Name:** \_\_\_\_\_

**Project Manager:** \_\_\_\_\_

**Contractor Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

If it is infeasible for you to comply with all of the requirements set forth by the Construction and Demolition Debris Recycling Form and you are requesting an infeasibility exemption, please use the following space to explain why your project should be considered exempt from recycling requirements.

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**PW OFFICE USE ONLY**

**Exemption Approved:** ☐ **Yes**

☐ **No**

**Reviewed By:** \_\_\_\_\_

**Date:** \_\_\_\_\_



**CITY OF RANCHO PALOS VERDES**  
**CONSTRUCTION AND DEMOLITION DEBRIS RECYCLING**  
**RECYCLING AND DIVERSION FACILITIES LOCATED NEAR RANCHO PALOS VERDES**  
**FACILITY INFORMATION SHEET**

Company Name, Address, City	Phone Number/Business Hours	Materials Accepted	Certified Recycling Rate
25TH STREET RECYCLING 2121 East 25th Street Los Angeles, CA 90058	(323) 583-7913 Mon - Fri, 6:30am - 11pm Sat, 6am - 6pm	Asphalt, concrete, concrete block	100%
AMERICAN RECLAMATION 4560 Doran Street Los Angeles, CA 90039	(323) 245-0125 Mon - Fri, 7am - 5pm Sat, 7am - 3pm	C&D debris: wood, metal, drywall, cardboard, rock, soil, gravel, asphalt, concrete	70%
ALLIED WASTE FALCON 3031 East "I" Street Wilmington, CA 90744	(562) 590-8531 Mon - Fri, 6am - 6pm Sat, 6am - 2pm	C&D debris: wood, metal, drywall, cardboard, rock, soil, gravel, asphalt, concrete	65%
CALIFORNIA WASTE SERVICES 621 West 152nd Street Gardena, CA 90247	(800) 839-5550 Mon - Fri, 6am - 10pm Sat, 7am - 7pm	C&D debris: wood, metal, drywall, cardboard, rock, soil, gravel, asphalt, concrete	78.36%
CHANDLERS SAND & GRAVEL 1171 Alameda St. Wilmington, CA 90744	(310) 784-2914 Mon - Fri, 7am - 4pm Sat by Appt Only	Asphalt, concrete, gravel, rock, other inert materials	Clean asphalt and concrete - 100% * Asphalt and concrete mixed with dirt - 50% *
CLEAN UP AMERICA 2900 East Lugo Street Los Angeles, CA 90023	(323) 980-9930 Mon - Sat, 5:30am - 4pm	C&D debris: wood, metal, drywall, cardboard, rock, soil, gravel, asphalt, concrete	70%
DIRECT DISPOSAL 3720 Noakes Street Los Angeles, CA 90023	(323) 262-1604 Mon - Fri, 5am - 4pm Sat, 6am - 11am	C&D debris: wood, metal, drywall, cardboard, rock, soil, gravel, asphalt, concrete	78%
DOWNTOWN DIVERSION - WM 2424 East Olympic Boulevard, Bldg. 3 Los Angeles, CA 90021	(213) 612-5005 Mon - Fri, 6am - 6pm Sat, 6am - 3pm	C&D debris: wood, metal, drywall, cardboard, rock, soil, gravel, asphalt, concrete	81%
FS SOUTHWEST WOODWORKS CO. 140 E. 163rd St. Gardena, CA 90248	(310) 538-9165 Mon - Fri, 7:30am - 4pm	Wood Pallets Only	* Not Certified
FREEWAY BUILDING MATERIALS 1124 South Boyle Avenue Los Angeles, CA 90023	(323) 261-8904 Mon - Fri, 8am - 4pm Sat, 8am - 3pm	Architectural salvage	100%
G. HARRIS INTERNATIONAL 1025 MacFarland Ave. Wilmington, CA 90744	(310) 513-1424 Call for Hours	Metal	* Not Certified
HANSON AGGREGATES 6956 Cherry Avenue Long Beach, CA 90805	(626) 856-6700 Option 1 Mon - Fri, 7am - 3:30pm Sat, 7am - 2pm	Asphalt, concrete	100%
HANSON AGGREGATES 2850 California Avenue Long Beach, CA 90805	(626) 856-6700 Option 1 Mon - Fri, 7am - 3:30pm	Asphalt, concrete	100%
LOVCO CONSTRUCTION RECYCLING SITE 23320 S. Alameda St. Carson, CA 90810	(562) 595-1601 Mon-Fri, 7am-3pm	Asphalt, concrete	* Not Certified
SIMS METALS 901 New Dock St. Terminal Island, CA 90731	(310) 831-0281 Mon-Fri, 6am-9pm Sat, 6am-3pm	Metal	* Not Certified
SOUTHERN CALIFORNIA ARCHITECTURAL SALVAGE 1600 South Santa Fe Avenue Los Angeles, CA 90021	(213) 623-3119 Mon - Fri, 8am - 5pm Sat - Sun, 9:30am - 3pm	Architectural salvage	100%

These facilities are certified by the City of Los Angeles and/or County of Los Angeles to attain a minimum of 65% diversion.

\* Please call facility for diversion rate. Rate is not certified by City of Rancho Palos Verdes, City of Los Angeles or County of Los Angeles. Must provide documentation of recycling rate with submittal of Form C.

Always call the company first, as information is subject to change, and some facilities may take only a specific type of material.

The City of Rancho Palos Verdes is not liable for any errors, omissions or changes on this list, nor does it guarantee the accuracy of any information regarding materials, services or products. These are privately-owned facilities and not affiliated with the City of Rancho Palos Verdes or the City of Los Angeles or the County of Los Angeles. The list is not intended to be exhaustive, but has been developed to assist contractors in finding conveniently located recycling facilities as an alternative to disposal.


# RPV's LIST OF AUTHORIZED COMMERCIAL HAULERS










## ROLL-OFFS, DUMPSTERS & BINS

### 2019



The list below is in alphabetic order. You may contact any hauler from this list. Select the best price and service that suits your needs and deadlines.

 The haulers with a green recycling symbol have confirmed that using them will result in your compliance with CALGreen's 65% recycling requirements. When contracting for service with them, specify "C&D Recycling Service."

CAL MET SERVICES	CA WASTE SERVICES (CWS)	CONSOLIDATED DISPOSAL (aka Republic/ Allied Waste)
P.O. Box 2137 Paramount, CA 90723 (562) 259-1239 Fax (562) 529-7688 <a href="http://www.calmetservices.com">www.calmetservices.com</a>  <b>Roll-off &amp; Small Dumpsters/Bins</b>	621 W. 152nd Street Gardena, CA 90247 (310) 538-5998, or 800-839-5550 Fax (310) 538-9040 <a href="http://www.californiawasteservices.com">www.californiawasteservices.com</a>  <b>Roll-off &amp; Small Dumpsters/Bins</b>	12949 Telegraph Rd Santa Fe Springs, CA 90670 (800) 299-4898 Fax (562) 906-0251 <a href="http://www.republicservices.com">www.republicservices.com</a>  <b>Roll-off &amp; Small Dumpsters/Bins</b>
EDCO CORPORATION	UNIVERSAL WASTE SYSTEMS (UWS)	WASTE MANAGEMENT- L.A. (WM)
950 E. 27th Street Signal Hill, CA 90755 (310) 540-2977 Fax (562) 423-1971 <a href="http://www.edcodisposal.com">www.edcodisposal.com</a>  <b>Roll-off &amp; Small Dumpsters/Bins</b>	P.O. Box 3038 Whittier, CA 90605 (800) 631-7016 Fax (562) 941-4915 <a href="http://www.uwscompany.com">www.uwscompany.com</a>  <b>Roll-off Only</b>	1970 E. 213th Street Long Beach, CA 90810 (800) 774-0222 Fax (310) 522-6570 <a href="http://www.wm.com">www.wm.com</a>  <b>Roll-off &amp; Small Dumpsters/Bins</b>
WEST COAST ROLLOFF	 	
3100 Puente Street Fullerton, CA 92835 (310) 532-6732 Fax (714) 255-0154 <a href="http://www.westcoastwaste.com">www.westcoastwaste.com</a>  <b>Roll-off only</b>		

**NOTE:** An Encroachment Permit is required for any dumpster or bin placed at the curb or on the public right-of-way. Call the Dept. of Public Works at 310-544-5252 to obtain information and a Permit.

Dumpsters/bins placed on private property (on the driveway and/or yard) do not need an Encroachment Permit.