

WASTE MANAGEMENT PLAN

Block 233 Lots 2, 3, 7 & 12
611 West Front Street, Plainfield, N.J.

1.0 Project Description

Two buildings are proposed (North Building and South Building) with a total of 501 Units.

- North Building has 217 Residential Units with 18000 sq ft commercial space
- South Building has 284 Residential Units
- The project will have an underground parking garage

A total of 4 indoor waste handling rooms are proposed, 2 for each building. An outdoor Waste Storage Area is provided to be used for the storage of large bulk waste.

The truck Loading and Unloading Area is sized to also accommodate an external 5 cubic yards waste compactor that will be used primarily for the Commercial Space.



Figure 1- Site Plan

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2.0 Waste Room Locations

2.1 North Building- Figure 2 locates each Waste compactor room. [Waste Compactor Room #1](#) is located on the northwest side of the North Building adjacent to the Commercial space. The room has an access door towards the entrance driveway and also near the Truck Loading Dock.

[Waste Compactor Room #2](#) is located on the northeast side of the North Building adjacent to the Commercial space. The room has an access door towards the driveway

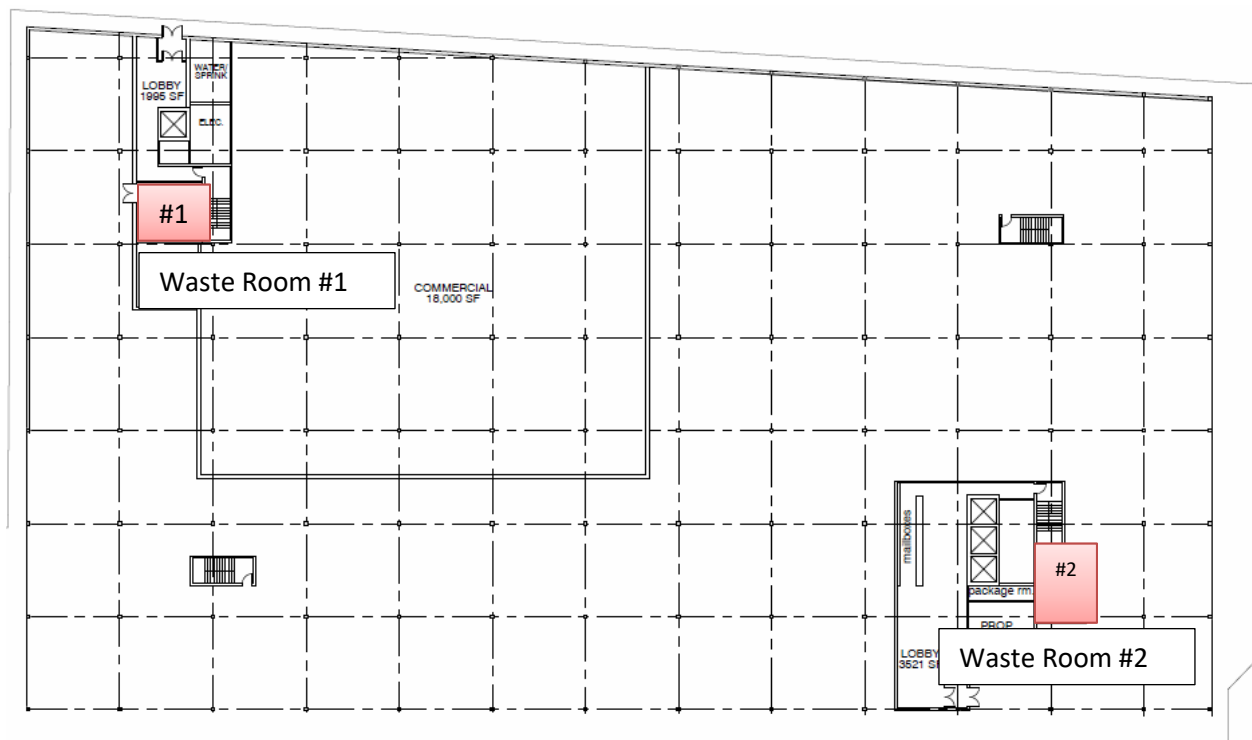


FIGURE 2- NORTH BUILDING WASTE COMPACTOR ROOMS

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2.2 South Building- Figure3 locates each Waste compactor room. Waste **Compactor Room #3** is located on the northwest side of the North Building adjacent to the Commercial space. The room has an access door towards the entrance driveway and also near the Truck Loading Dock.

Waste Compactor Room #4 is located on the northeast side of the North Building adjacent to the Commercial space. The room has an access door towards the driveway

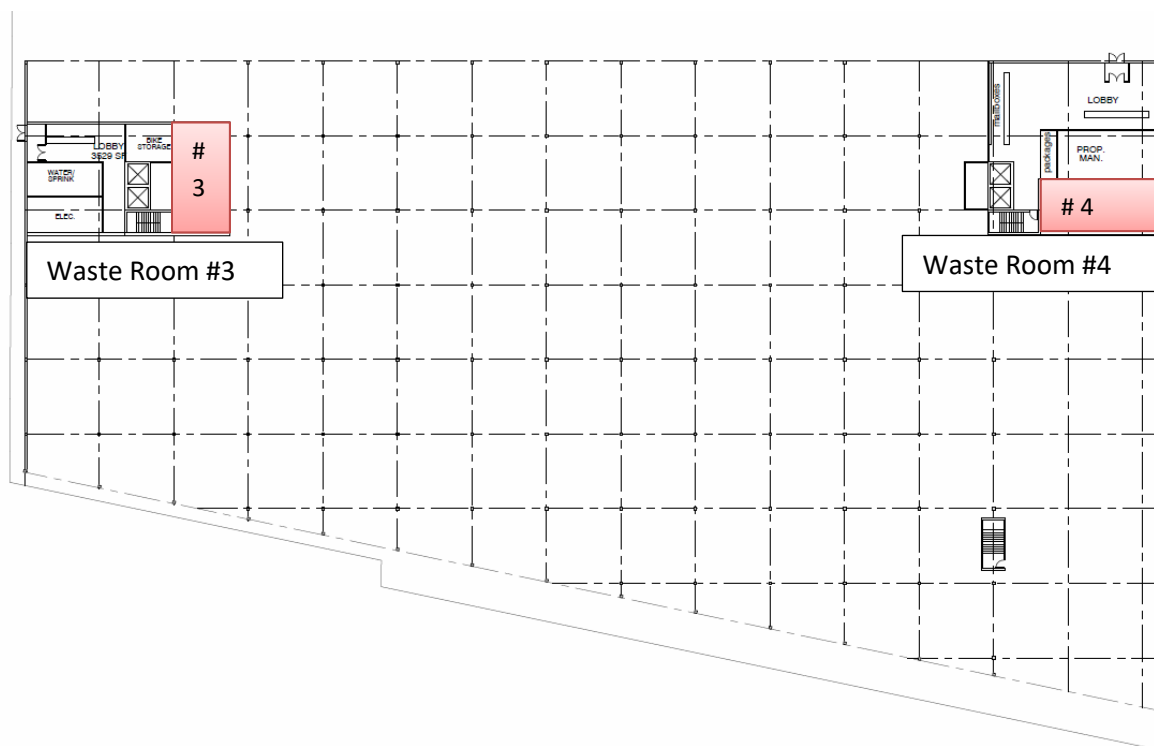
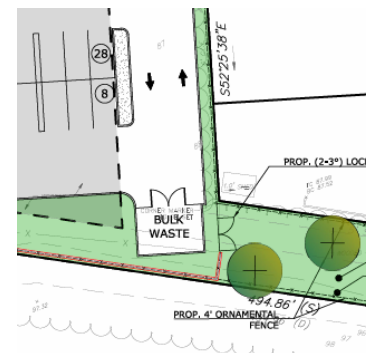


FIGURE 3- SOUTH BUILDING WASTE COMPACTOR ROOMS

2.3 Loading Dock Compactor



A large outdoor enclosed storage area (20 ft wide by 15 feet

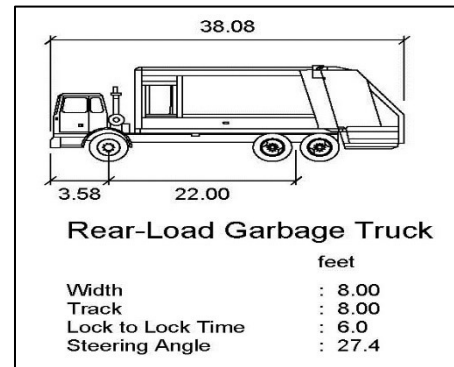


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3.0 Waste Hauler

The Plainfield Municipal Utility Authority (PMUA) will be contracted to collect waste from the project site. PMUA utilizes 28 to 30 cubic yard rear loader waste trucks. The waste trucks have a clearance height of **12 ft 10** inches and thus require a 14 ft clear ceiling to access the waste areas located under the building. The width of the waste truck is less than 8.5 ft wide.. The PMUA Rear Loader Truck utilizes a trunion bar of 78" wide.



4.0 Waste Collection

4.1 Residential Waste Management

Each of the residential Buildings will be served by two waste chutes locations, located at at each residential floor on the opposite ends of each building. The chutes will deliver waste to two waste compactors in separate rooms (Compactor Room #1 & #2 Figures 2 and Compactor Room #3 & 4 Figure 3).

The recyclables will be collected locally at each residential floor and brought down daily to the waste compactor room by the building management staff. Two waste compactors will feed the compacted waste into the 2 cu yds containers via an opening on the side of the container located immediately adjacent to the waste compactor.

The 2 yard containers must have a trunion bar not greater than 78 inch, which is used to lift the container into the rear loader truck.

A typical residential waste compactor is shown on the inserted image. Recycled materials will also be collected inside each waste compactor room in to a separate (2) cu yds container.



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4.2 Commercial-Waste Management

The Commercial Tenant Space will have their waste collected from each tenant, by their maintenance staff; who will deliver waste to the stationary compactor. The recyclables will also be collected within each tenant space and brought to the waste compactor room by contracted maintenance staff, after hours.

4.3 Waste Recycling Plan

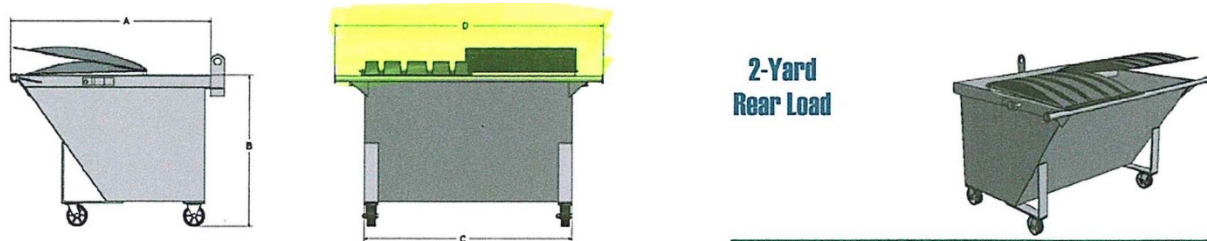
Recycled products will consist of two components: cardboard and co-mingled recyclables (glass, plastic; paper; metal). Separate waste containers will be deployed for the two recycled waste streams.

4.4 Bulk Waste Collection

Bulk waste generated by the residential and commercial units will be brought to the Bulk Waste storage area. Typically, based on PMUA experience, bulk waste pick-up will be done on a monthly basis. Bulk waste will be stored within the waste storage area.

4.5 Waste Storage Area Sizing and Location

Each of the 4 waste storage areas can accommodate 6-2 cu yd dumpsters, 4 dumpsters for waste and 2 dumpsters for recycling.



$a = 57 \frac{3}{8}"$ $B = 43 \frac{3}{8}"$ $C = 60"$ $D = 77 \frac{1}{2}"$

FIGURE 6 – Typical PMUA the 2 cu yd container

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4.6 Waste Conveyance To The Storage Area

For safety reasons, each of the waste containers will be transported to the waste truck or to the waste storage area, via a battery operated waste caddy. The inserted image indicates a typical model. The caddy has the ability to safely move the containers.



4.7 Building Accessibility

Considering that the City's rear loader truck has a clear height of 12 ft 10 inches, an overall clear height of 14 ft is provided. The proposed building areas that are above the parking lot and driveways, will have sprinklers and also with fire rated construction.

4.8 Waste Truck Route

The main PMUA trucks will access the site from West Front Street. However, the site internal access driveways can also accommodate the waste trucks primarily from Waynewood Park. As shown on Figure 7, the waste trucks enter the parking lot stop at the residential waste storage area #1 and #2 and then proceeds to exit the site along the driveway at West Front Street (reference Figure 6).

Waste recyclable and bulk items are stored in the waste storage room, where the waste is picked up as required, but typically once a week for the recyclable waste and once a month for the bulk waste.



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FIGURE 6 – WASTE TRUCK ROUTE

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5.0 Waste Pick-up Schedule

Waste Pick-up Schedule			
Waste Source Area	Estimated Pick-up Trips per week (Note 2)	No. of Containers	Estimated Volumes/Week
Residential (North & South Building)	3	4-2 cu yds	8 cu yds
Commercial	2	1-5 cu yds	10 cu yds
Recyclables (Note 1)			
Cardboard	1	1-2cu yds	2 cu yds
Comingled Recyclables (Glass/Plastic/Metal)	1	1-2 cu yds	2 cu yds
Bulk Waste	1 per month	N/A	N/A

Note 1- Alternating weeks between each waste stream

Note 2- Actual numbers of pick-ups will depend on actual waste generated by the site.

6.0 Waste Generated on the Site:

It is estimated that the proposed development will require 2 – 2 cu.yd. dumpsters for solid waste at each waste room for each Building, for a total of 4-2 cu yd container per building, for a total of 8. The bulk storage will not require a waste container.

Residents will have two (2) solid waste chutes available for use that direct waste to a compactor room where the waste will be compacted into the 2 cu. yd. dumpsters before being wheeled to the waste storage area by building management. Recycled waste bins for paper and glass/plastic will be made available on each residential floor in the trash chute area.

Building management will collect the recyclable waste and place into the 2 cu. yd. recycle dumpster in the compactor room per each waste stream. Solid waste and recycled waste will be collected 3 times per week.

The commercial tenants will collect and deposit solid waste and recycled waste directly into the respective 2 cu. yd. in the compactor room.

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Project Truck Deliveries:

THE EXPECTED DELIVERIES AT THE PROPOSED DEVELOPMENT WILL BE PRIMARILY FOR COMMERCIAL DELIVERIES, RESIDENTIAL MOVING TRUCKS, MAIL DELIVERY, PERIODIC MAINTENANCE, AND WASTE PICK-UP.

Type of Truck	Weekly Truck Deliveries		
	North Building	South Building	Total
Mail Truck	6	6	12
Residential Moving Truck (Average)	2	2	4
Waste Trucks	3	3	6
Commercial Deliveries (2 per day- 6 days per week)	12	N/A	12
Recycle Pick-up Truck	1	1	2
Maintenance trucks/vans	2	2	4
Miscellaneous truck delivery	2	2	4
Total # of Weekly Truck Deliveries	28	16	44

Delivery Schedule: THE DELIVERIES FOR THE COMMERCIAL SPACE WILL TAKE PLACE EITHER BEFORE OPENING HOURS (9:00 AM) OR AFTER HOURS (AFTER 5:00 PM) AND DURING DAYTIME NON-RUSH HOURS.

Number of Deliveries: THE EXPECTATION FOR THE AVERAGE NUMBER OF DELIVERIES FOR THE PROPOSED DEVELOPMENT WILL BE APPROXIMATELY **44 TRUCK DELIVERIES PER WEEK**, OR ON AVERAGE **FOUR (7) TRUCKS PER DAY**. TRUCK DELIVERIES WILL ACCESS THE SITE VIA THE PROPOSED DRIVEWAY ON WAYNEWOOD PARK AND TRAVERSE THE SITE TO THE PROPOSED LOADING AND UNLOADING AREA ADJACENT TO THE COMMERCIAL SPACE FRONTING ONTO WEST FRONT STREET. RESIDENTIAL PARKING SPACES ARE ASSIGNED.