7. SOLID WASTE

The following information is made in accordance with the City of Portland Code of Ordinances Chapter 14 Land Use, Section 14-527(g)(8).

7.1 OVERVIEW

This section provides estimates of solid waste generation during construction and operation of the finished project. Procedures for the transport and disposal of generated wastes are described, as are measures to reduce waste loads through re-use and recycling.

The project will generate the following estimated volumes of solid waste during construction and operation:

- 350 cubic yards of waste asphalt material associated with existing pavement areas.
- 2-3 cubic yards of grubbings from existing vegetated areas.
- 650 cubic yards of construction and demolition debris (CDD) associated with building demolition and new construction work (excluding recycled materials).
- 20-24 cubic yards per week of municipal solid waste (MSW) per week during operation of the retail and restaurant uses and an additional 20-24 cubic yards of recyclable materials.

7.2 SOLID WASTE GENERATED DURING THE CONSTRUCTION OF THE SITE

It is anticipated that approximately 800 cubic yards of demolition debris will be generated during the initial phase of the project. Waste generated during ongoing construction activities is estimated to be in the range of 8-10 cubic yards of mixed debris per week. The project is expected to take approximately 6-8 months to complete.

7.3 SOLID WASTE GENERATED FROM THE OPERATION OF THE SITE

Waste generated after occupancy is projected to consist of a single dumpster enclosure housing four (4) 6 cubic yard containers (2 to handle regular waste and 2 to handle recycling) which would all be shared by every tenant on site. At least two of these containers would be picked up 3 times per week while the other two would be picked up once per week (possibly more frequently depending on the trash/recycling needs of the specific users once leases are signed). A majority of tenants on site are anticipated to be typical retail users each requiring in the range of 1–2 cubic yards of regular waste and recycling picked up once per week. The medical office use will require upwards of 1 pick-ups each of 6 cubic yards for regular waste and 6 cubic yards for recycling.

7.4 FLUORESCENT LIGHTS AND FIXTURES

The developer may use fluorescent light bulbs that do not have PCB ballasts. The electrical switches for the project will be specified to not contain mercury. Fluorescent bulbs and other universal wastes will be taken to Riverside Recycling Facility in Portland.

7.5 HAZARDOUS AND SPECIAL WASTES

None of the uses proposed at the site are expected to generate hazardous, or special wastes. ConvenientMD may generate medical waste that will be removed from the site by a medical waste vendor such as Stericycle waste services.

7.6 GRIT/SEDIMENT REMOVAL

The applicant will be responsible for the maintenance of the minor storm drain systems on the site. They will be responsible for the long-term maintenance of the stormwater collection system and the associated structures, including removal of sediment from catch basin sumps. Potential disposal facilities for these items include Commercial Paving and Recycling (CPRC) in Scarborough, Maine and Dragon Cement in Thomaston, Maine. Materials removed from catch basins will be delivered to CPRC where it will be kiln dried and used as suitable mixing material for asphalt based paving products. Given the limited nature of the on-site storm drainage system the quantities associated with this task are considered insignificant.

7.7 ATTACHMENT

Attachment G – Computations of Types and Volumes of Solid Wastes for Construction Project

ATTACHMENT G

Computations of Types of Volumes of Solid Wastes for Construction Project

SOLID WASTE COMPUTATIONS AND DISPOSAL

A. NEW BUILDING CONSTRUCTION

Basis of Estimate:

- Pavement Removal for Repaving: Approximately 45,000 SF @ 3.5" = 486 CY
- Initial Demolition Debris: Approximately 15,000 SF Building = 800 CY
- Grubbing Area: Approximately 500 SF = 6 CY
- Ongoing Construction Waste: 8-10 CY/Week, 6-8 Months = 252 CY

Other wastes associated with construction include packaging for construction materials (mostly recyclable and limited quantities). Construction documents will require the General Contractor to implement a recycling program. Waste streams will be segregated for disposal. It is estimated that 8-10 CY of waste will be generated per week during construction, after initial demolition. The construction period is six to eight months.

Set a goal in the Construction Documents of minimum 80% segregation and recycling of paper, cardboard and plastics, 85% segregation and recycling of metals.

Total Waste Generated: 1,052 CY

Net Waste After Recycling: 210 CY

General Contractor will be required to provide multiple 30 CY dumpsters to allow segregation and recycling of CDD wastes.

Disposition

All waste asphalt materials can be sent to approved aggregate or pavement recycling facilities operated by Shaw Brothers or Commercial Paving and Recycling.

Segregated wood and metal wastes can be sent to KTI Biofuels in Lewiston (wood waste) and One Steel Recycling in Oakland (metals).

General Contractor shall provide details of recycling methods, names of waste haulers, and disposal destinations prior to start of construction.

B. OPERATIONAL SOLID WASTE

Medical Office Use

Basis of Estimate: Information provided by proposed lessee:

Waste Generation: 10-15CY per week of MSW, 10 CY per week recyclables

Retail Use

Basis of Estimate:	79 pounds per week per employee From Table 14-1 of the CEQR Technical Manual (New York Dept. of Sanitation, Jan 2014)
Number of Employees:	Approximately 20
Solid Waste:	Approximately 1,580 pounds/week (5-6CY)