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THE DINERSTEIN COMPANY 1010 S. Coast Highway 101, Ste 106 Encinitas, CA | 92024

LEGACY NORTH SCOTTSDALE, AZ #2023-0044 CONCEPTUAL DESIGN December 19, 2023

Waste Calculations

An 806 bed community producing the EPA standard 1.56 cubic yards of waste per bed per month will produce an estimated monthly total of 1,257 cubic yards. Refuse generated will be transported to a central compactor location by a valet service. A 34yd Compactor with a compaction ratio of 4:1 hauled twice per week will provide 1,178 cubic yards per month. (2) 8yd dumpsters used for recycling hauled 1-2 times per week will provide 104 cubic yards of capacity per month. In total, the service yardage is estimated at approximately 1,282 cubic yards, which is sufficient for 806 beds.

Compactor Specs

Manufacturer: Ace Equipment Company Model: E-34 (self-contained) Size: 34 cubic yard

Concrete Pad

Concrete pad minimum dimensions are 10' wide and a length of 5' greater than the length of the compactor. The E-34 unit is 22' 11" in length. A 35' long pad is provided for the compactor, with a minimum of 3,000 p.s.i. concrete, wire mesh reinforced and 6" thick.

Recycling

Recycling provided in (2) 8yd Front Load Single Stream Recycling dumpster serviced 1-2 times per week.

NOTES:

Refuse/recycling compactor container and loading and maneuvering area located so that container and refuse truck does not obstruct any portion of designated fire lane or an emergency and service vehicle access lane during loading, unloading, and placement of the container.

Refuse compactor container and approach pad placed so that the 2. refuse truck route to and from the public street has a minimum unobstructed vertical clearance of thirteen (13) feet six (6) inches, and unobstructed minimum vertical clearance above the concrete approach slab and refuse compactor container storage area concrete slab of twenty-five (25) feet.

Refuse compactor container does not require the bin to be maneuvered 3. or relocated from the bin's storage location to be loaded on to the refuse truck.

Refuse compactor container approach area has a minimum width of fourteen (14) feet and length of sixty (60) feet in front of the container.

Refuse compactor container approach and storage areas have a maximum continuous slope of two (2) percent.

Concierge service to be provided for refuse collection and transfer to 6. compactors.

10-3 N		
	LEGEND	
		Truck Route Compactor
Scale: 1" = 50'-0"	TRASH EXHIBIT	A0.3