Permitting Guidelines on Solid Waste and Recycling for new construction

Residential Single Family, Duplexes, Quadraplexes

All residences should have curbside access to a city street so refuse won't have to be placed on someone else's property for collection.

Residences of 4 units or less under one roof will use the residential cart system unless they successfully petition for approval to opt out of the system.

Cul de Sacs should have a minimum 180 degree turning radius of 80 feet to accommodate collection vehicles.

Single lane roads or alleys should be at least 12 feet wide with a minimum 90 degree turning radius of 40 feet.

Residential Apartments or Condos

Collection vehicles must have safe access through the complex or room to turn around so they won't have to back out blindly into the street.

If trash carts are to be used, will they be accessible to ASL's or will there be parked cars in the way?

Where will bulk be stored and collected from?

If dumpsters are to be used, enclosures must be large enough to accommodate containers for garbage and recycling (which are mandatory).

A 10' x 10' enclosure will hold one dumpster. A 10' x 15' enclosure will hold one dumpster and some carts for recycling. A 10' x 20' enclosure will hold a dumpster for garbage and one for recycling.

Where will bulk be stored and collected from?

Is there sufficient refuse and recycling capacity? Apartments & condos can be expected to generate 1.5 to 2 cubic yards per unit per month.

City ordinance requires refuse to be collected at least once per week. (Compactors are exempt from this requirement.)

Commercial

Collection vehicles must have safe access through the complex or room to turn around so they won't have to back out blindly into the street.

Frontloaders and roll-off trucks require overhead clearance of 24 feet to service containers.

Dumpsters designed to be rolled out onto the street or right-of-way for collection are undesirable and should only be used as a last resort.

Commercial recycling is mandatory. See above for sufficient size of dumpster enclosure.

Approximate Solid Waste Generation Guidelines

Classification	Building Types	Quantities of Waste Generated
Apartments	Singles or no children	1 - 1½ cubic yard per unit per month
	Family	1½ - 2 cubic yard per unit per month
Commercial Buildings	Office	1 cubic yard per 10,000 sq. ft. per day
	Department Store	1 cubic yard 2,500 sq. ft. per day
	Shopping Centers	Varies with type of tenant handled
	Supermarkets	1 cubic yard per 1,250 sq. ft. per day
	Restaurants	Varies w/no of meals served & type of food
	Drugstores	1 cubic yard per 2,000 sq. ft. per day
	Banks	Survey required
Hotels & Motels	High Occupancy	½ cubic yard per room per week & restaurants
	Average Occupancy	1/6 cubic yard per room per week & restaurants
Warehouses		Varies with type of activity
Factories		Varies with type of activity
Institutions	Hospitals	1 cubic yard per five occupied beds per day
	Nursing Homes	1 cubic yard per fifteen persons per day
	Rest & Retirement Homes	1 cubic yard per twenty persons per day
Schools	Grade Schools	1 cubic yard per eight rooms per day
	High Schools	1 cubic yard per ten rooms per day
	Universities	Survey required

Conversion Table For Cubic Foot Volume

Garbage Can 18” diameter x 24” deep	3.6 cubic feet
Garbage Can 16” diameter x 22” deep	2.0 cubic feet
Bushel Basket – Standard	1.24 cubic feet
Barrel (U.S. Standard)	5.08 cubic feet
7½ Gallons	1.0 cubic feet
1 Gallon	0.134 cubic feet
55 Barrel Oil Drum	7.0 cubic feet

One Cubic Yard Equivalent

27 cubic feet = one cubic yard
1 cubic yard is equal to 203 gallons
1 cubic yard is approximately four 55-gallon drums
1 cubic yard is approximately eleven 20-gallon cans
1 cubic yard is approximately seven 30-gallon cans

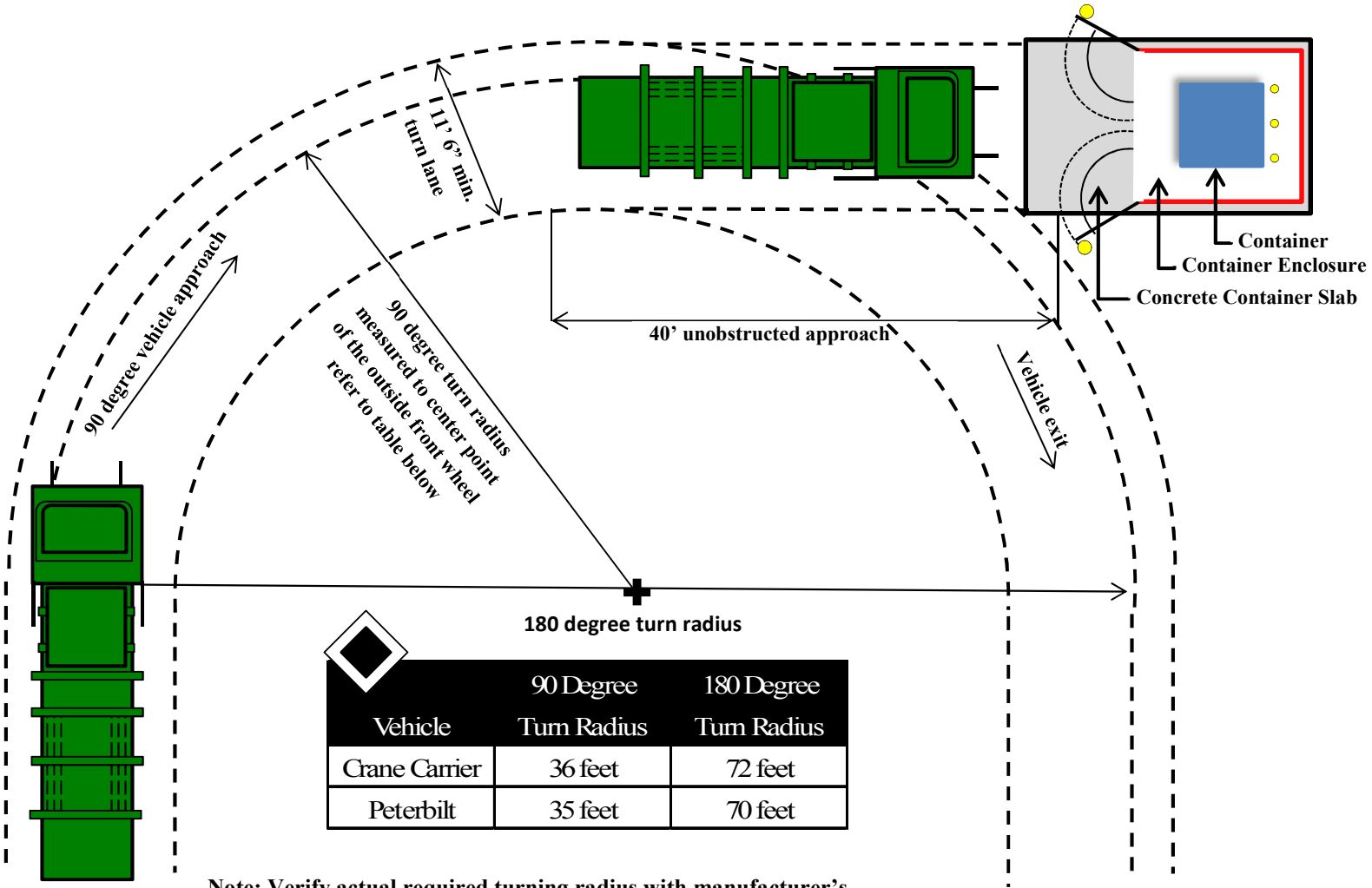
Calculation

To find container capacity in cubic yards:

Formula: $\frac{L \times W \times H}{27}$ = Cubic Yards

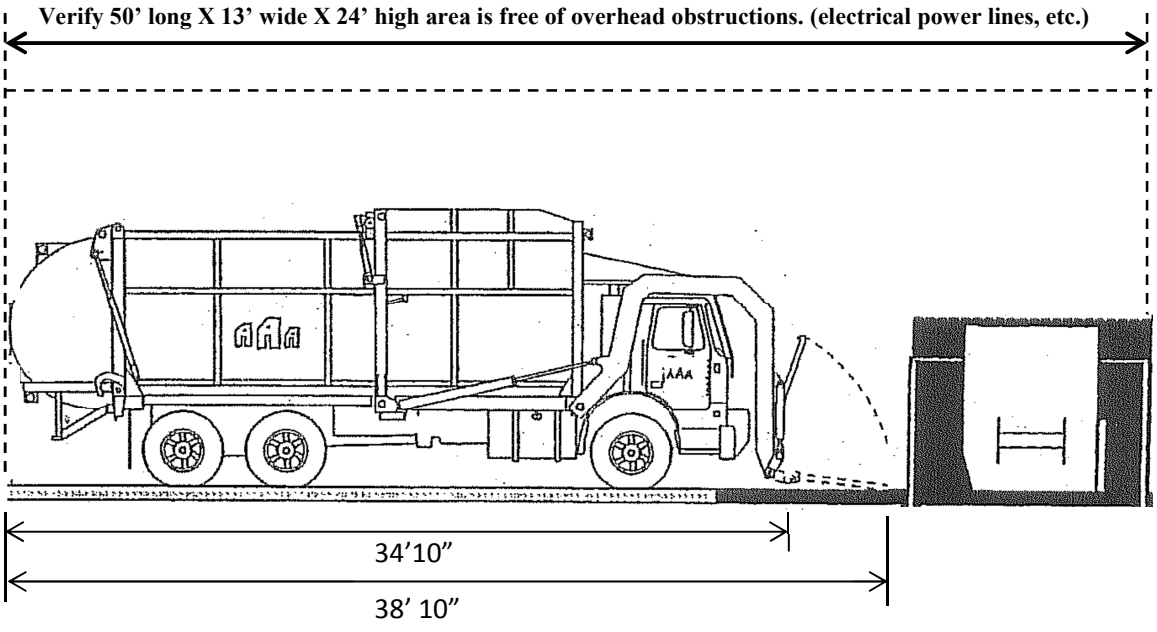
L = Length (in feet)
W = Width (in feet)
H = Side Height (in feet)

COLLECTION VEHICLE APPROACH AND TURN RADIUS DIAGRAM



Vehicle	90 Degree Turn Radius	180 Degree Turn Radius
Crane Carrier	36 feet	72 feet
Peterbilt	35 feet	70 feet

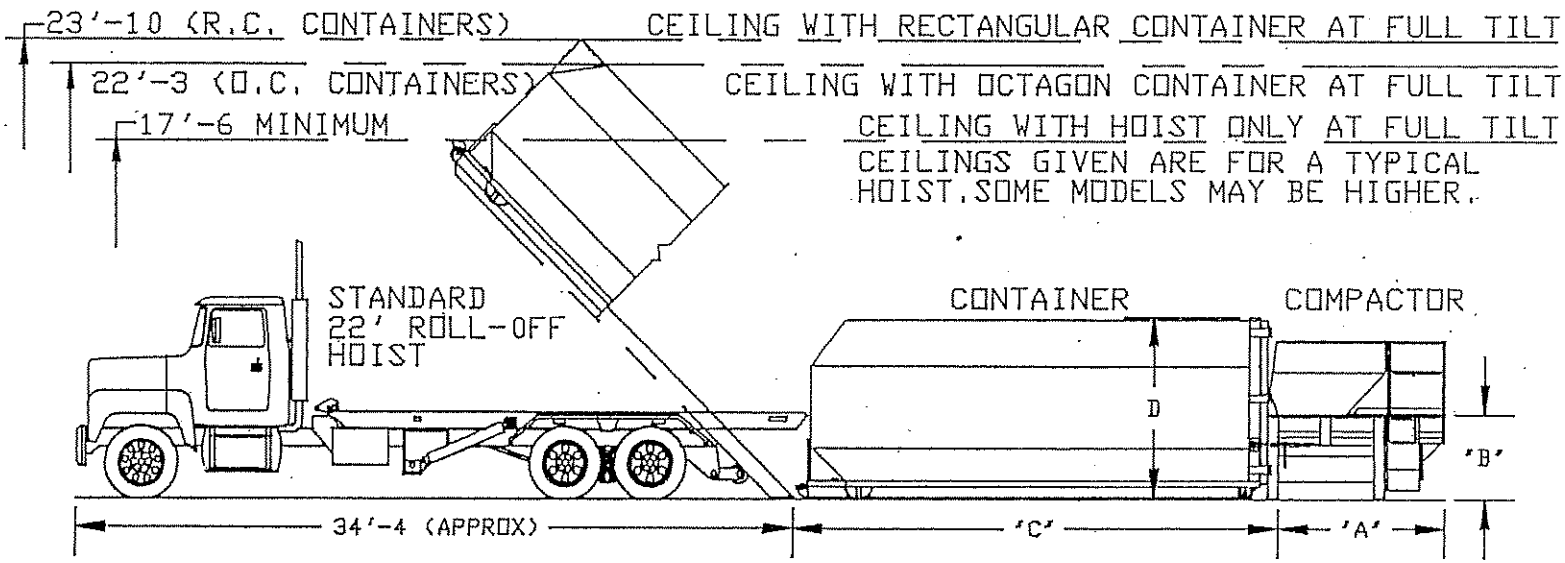
Note: Verify actual required turning radius with manufacturer's



SIDE VIEW

NOTE: Vehicle shown is a 40 cu. Yd. front end loading collection truck manufactured by Leach Company. Verify dimensions of actual vehicle.

CONCRETE PAD REQUIREMENTS: PAD TO BE 12 FEET WIDE WITH A LENGTH OF 5 FEET GREATER THAN THE COMBINED LENGTH OF THE COMPACTOR AND CONTAINER. CONCRETE TO BE MINIMUM 3000 PSI, STEEL REINFORCED, 6" THICK.



COMPACTORS	A DIMENSION	B DIMENSION
RJ-130/160	7'-2 3/8	4'-0 1/2
RJ-225VL	9'-11 1/2	4'-0
TC-2HD	8'-5 3/4	4'-0
TC-2.5HD	10'-6	4'-0
TC-3HD	12'-10	4'-0
RJ-450, 450PC	14'-6	4'-6
RJ-550, 575HD, 575PC	19'-11	4'-6
RJ-225, 225HD	9'-11 1/2	4'-0 9/16
RJ-325, 325HD	14'-5 3/4	4'-0 9/16

CONTAINERS	C DIMENSION	D DIMENSION
RJ-40 OC	22'-11	8'-8
RJ-37 OC	21'-3	8'-8
RJ-30 OC	16'-1	8'-8
RJ-42 RC	22'-11	8'-9
RJ-38 RC	21'-3	8'-9

SELF-CONTAINED	A + C DIM.	D DIMENSION
RJ-250SC 15CY	14'-7 1/2	7'-5
RJ-250SC 20CY	17'-10 1/2	7'-5
RJ-250SC 25CY	18'-3 1/2	8'-8
RJ-250SC 30CY	21'-3	8'-8
RJ-250SC 34CY	22'-10	8'-8
RJ-250VL 15CY	15'-11 1/4	7'-5
RJ-250VL 20CY	19'-0 3/8	7'-5
RJ-250VL 25CY	19'-7 1/4	8'-8
RJ-250VL 30CY	22'-1 5/8	8'-8
RJ-250VL 34CY	24'-0	8'-8
RJ-100 SC	22'-11	8'-8
RJ-88SC 15CY	15'-6	7'-4
RJ-88SC 20CY	18'-5	7'-4
RJ-88SC 24CY	21'-3	7'-4
JP-16	15'-6	6'-11

* ADD 16' FOR TRUCK MANEUVERING