



APPROVED	REVISIONS

CITY OF HAMILTON  
 DEPARTMENT OF PUBLIC WORKS  
  
 PARKING LOT DESIGN  
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 HC. 20.06.002-1

PUBLIC WORKS DIRECTOR

DATE

**STORM DRAINAGE**

- ① There shall be at least 1 sump per 10,000 sf of impervious surface including roof drains which dump into lot and sidewalks.  
The plan shall include a drainage design including critical spot elevations and/or contours, drainage structures etc.  
All storm water shall be confined to the site.  
Grassy swales or other type of landscape application may be used if approved by the City Public Works Director.

**CURBING AND SIDEWALK INSTALLATION ON RIGHT-OF-WAY**

- ② Curbing and sidewalk must be installed on adjacent right-of-way if none exist.  
All curbing must be designed by a civil engineer and approved by the City Public Works Director prior to construction. Curb design must be approved prior approval of the building permit if frontage exceeds 100 feet.  
Owner responsible for asphalt paving and installation of drainage structures within the City ROW unless other arrangements are made by City Public Works Director.  
Sidewalk location shall be approved by City Public Works Director.

**AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS**

There shall be 1 accessible parking space per every 25 spaces in the lot. The first space shall be van accessible plus an additional one van space per every 8 accessible spaces.

- ③ Accessible parking must be located on the shortest accessible route to an accessible entrance.
- ④ An accessible exterior route must be provided to the buildings accessible entrance from public transportation stops, accessible parking spaces, and accessible passenger loading zones within the boundaries of the building site and from public sidewalks, if they exist or are planned, that are immediately adjacent to the building site.
- ⑤ When more than one public building is on a building site, at least one accessible exterior route must connect all accessible buildings, facilities and elements on the site.  
An accessible exterior route must consist of the following elements:  
At least 60" wide of which 36" must be unobstructed  
Constructed of a stable nonslip surface, preferably concrete or asphalt  
Cross slope (perpendicular to the direction of travel) must not exceed 50:1 (2%)  
May not use vehicle travel ways such as driveways and parking lanes, except where crossing driving lanes. It is acceptable to use a small portion of the parking lane when the accessible spaces are located at the end of a row nearest the accessible route or entrance as shown in STD DWG HC 20.06.006.
- ⑥ Signs must meet the standards set forth in STD DWG HC 20.06.004
- ⑦ Ramps must meet the standards set forth in STD DWG HC 20.06.003.
- ⑧ Curb ramps must be installed at appropriate location in ROW on new or existing sidewalks.

**PAVING**

All areas used for parking, driving, unloading, display of vehicles, etc. shall be paved with a minimum of 2" hot mix asphalt over 4" crushed base and suitable subgrade. Areas where there will be heavy truck use shall be paved with 3" asphalt and 6" base.

- ⑨ All asphalt shall be bordered by poured-in-place curb of a minimum 12" height of which 6" is above the final asphalt grade. Curbing shall conform to City standards.
- ⑩ Sidewalks adjacent to paved areas shall be separated from the paving by poured in place or monolithic curb with sidewalk grade 6" above final asphalt grade.  
Sidewalks adjacent to angle parking must be a minimum of 6'6" wide to allow for vehicle over-hang. The parking space can be reduced in length accordingly.
- ⑪ Alleys used for access to parking, loading or any other source of vehicular travel shall be paved to the nearest paved roadway. If the site requires that the alley be used in both directions then the entire alley must be paved.  
Grade for paved areas shall be 1% minimum and 10% maximum.
- ⑫ Maximum grade for accessible parking and access isles shall be 2%

**OTHER REQUIREMENTS**

- ⑬ 5% of the entire lot must be landscaped.
- ⑭ The boulevards must be landscaped.  
All landscaping must meet present City Standards for that zone.
- ⑮ Parking lots must be effectively screened from residential property  
Traffic signs shall conform to the Manual on Uniform Traffic Control Devices



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