MILWAUKEE

Neighborhood Improvement Development Corporation

In partnership with the City of Milwaukee

City of Milwaukee Neighborhood Improvement Development Corporation's Community Improvement Project Guidelines to Providing Accessible Urban Gardens

Quick Tips

***Provide a firm, stable surface for an accessible route into the garden.**

***The access route should have a running slope no greater than 1 inch rise in 20 inches distance, or 1:20 (5%).**

***If running slope is greater than 1:20 then a compliant accessible ramp, must be provided.**

***Access routes are to be a minimum of 36 inches wide, 60 inches is preferable.**

***Place built accessible features (raised garden beds, picnic tables, working surfaces, and benches) closest to sidewalk entrance if lot has sloping terrain and minimize amount require in providing an accessible route.**

***Provide clear ground space adjacent to raised garden bed for side approaches.**

***Side approach raised garden bed heights shall be 15 inches minimum to 34 inches maximum above ground floor.**

***Clear ground space for front approach raised garden beds shall provide proper toe and knee clearance .**

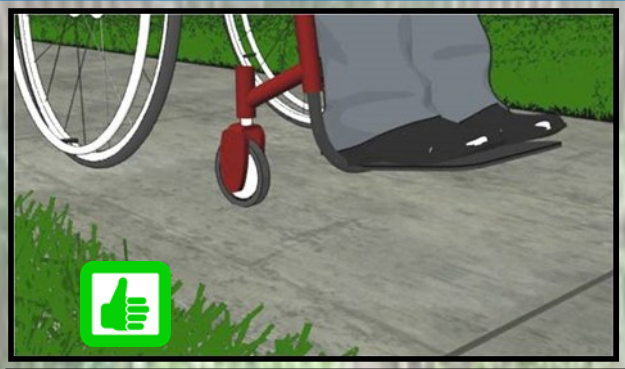
***Provide clear ground space with proper toe and knee clearance for picnic tables.**

***Front approach raised garden bed heights shall be 28 inches minimum to 34 inches maximum above ground floor.**

***Provide clear ground space adjacent to benches which do not encroach into the accessible route or other clear ground space requirements.**

Accessible Route into Community Garden

Provide a firm and stable surface





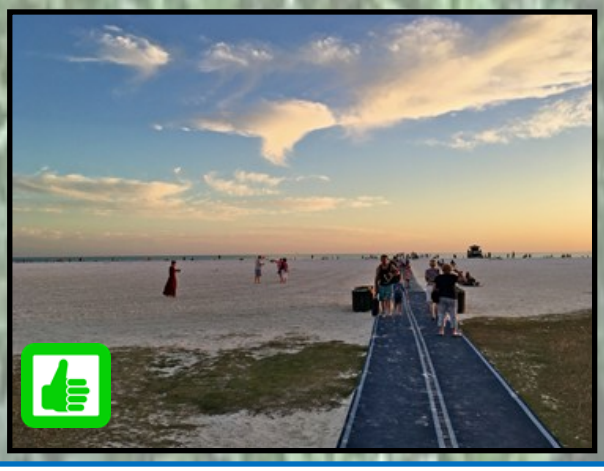
Hardened materials such as concrete, asphalt, tile, and wood are sufficiently firm and stable for accessibility.

Most loose materials, including gravel will not meet these requirements unless properly treated to provide sufficient surface integrity and resilience. Binders, consolidants, compaction, and grid forms may enable some of these materials to perform satisfactorily but require repeated maintenance.

Provide a smooth surface



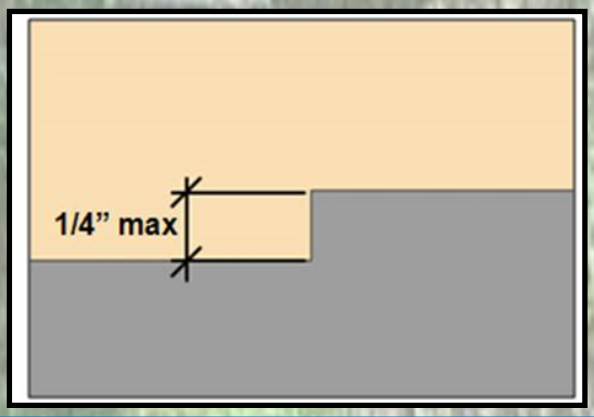


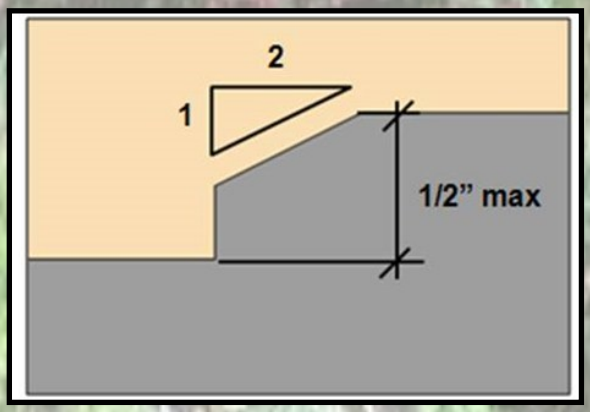




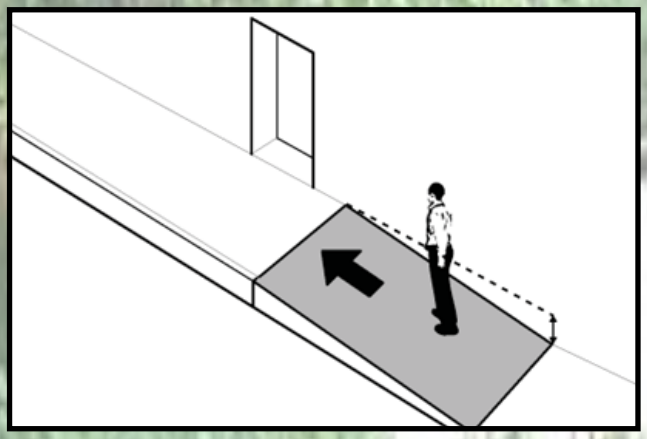
Changes in level of floor or ground surfaces are to be no higher than 1/4 inch.

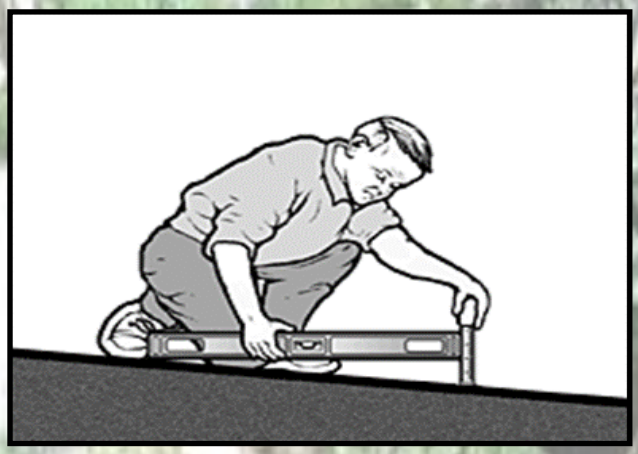
Changes in levels between 1/4 inch high minimum and 1/2 inch high maximum shall be beveled with a slope not steeper than 1:2.



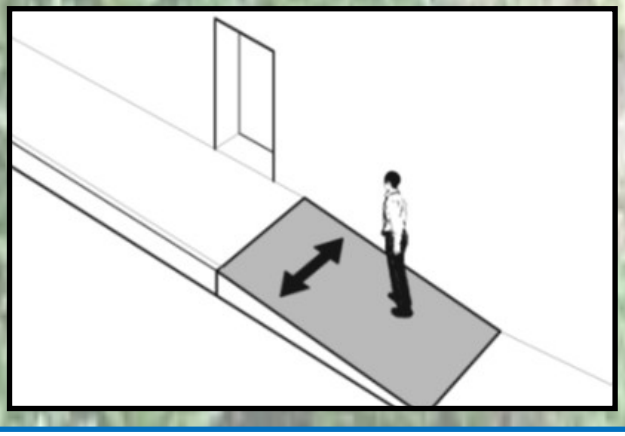


Running slope of accessible route should be no steeper than 1:20 (1 inch of height for every 20 inches in distance) or 5%.



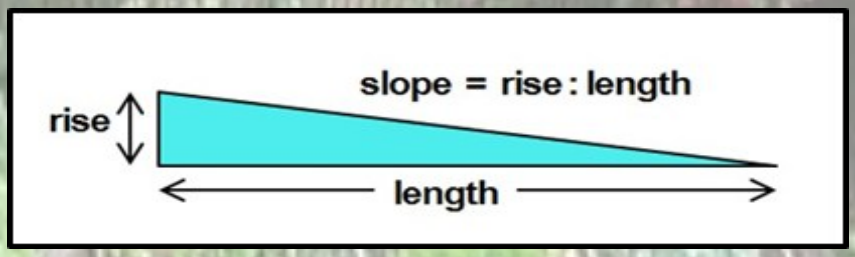


Cross slope of an accessible route is to be no steeper than 1:48 (1 inch variance for every 48 inches across the width of the accessible route) or 2%.

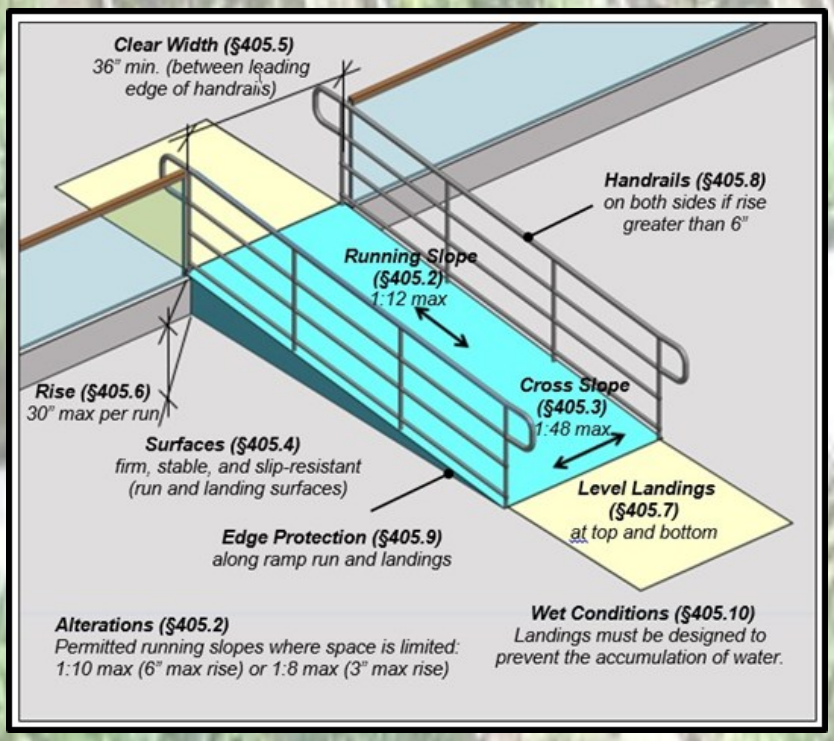


Surfaces with a running slope require a ramp.

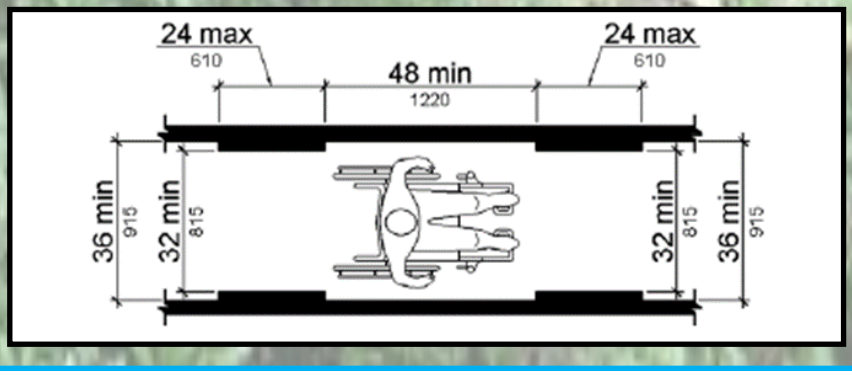
The running slope of a ramp is to be no greater than 1:12 (1 inch in height for every 12 inches in length) or 8.3%. Maintain a cross slope no greater than 1:48.



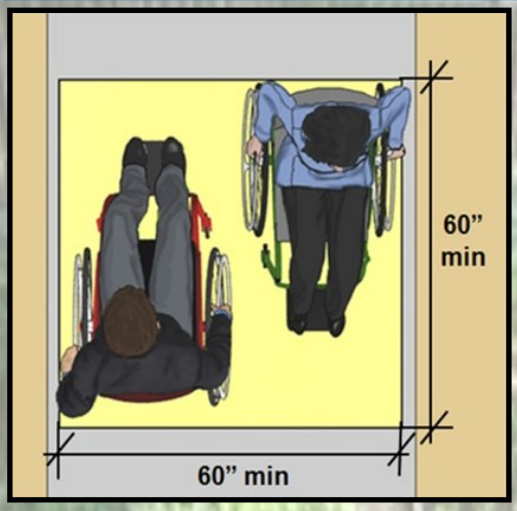
If ramps are installed, compliant handrails and landings are to be provided.



Clear width of walking surface shall be 36 inches minimum which can be reduced to 32 inches for a length of 24 inches. A width of 60 inches walk surface is preferred.

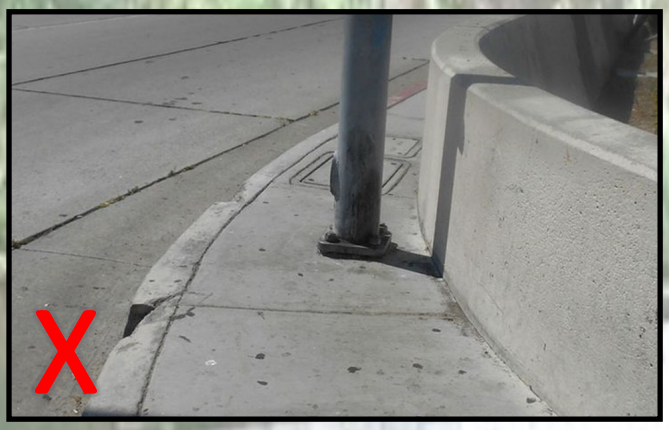


Passing space is required every 200 feet and must be 60 inches by 60 inches minimum.





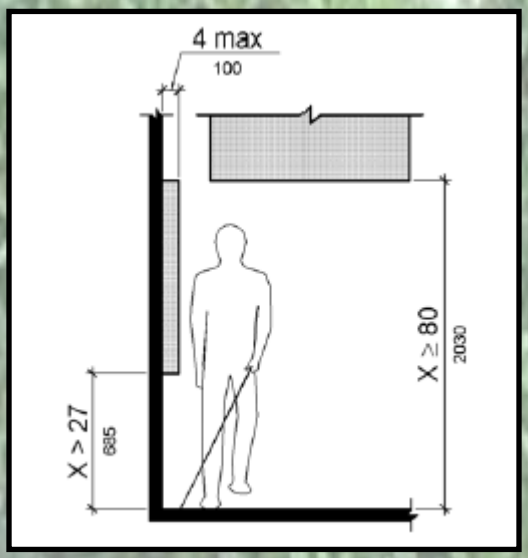
Minimum clear width of pathway is to be maintained around obstructions.





Eliminate any protrusion within the accessible route .

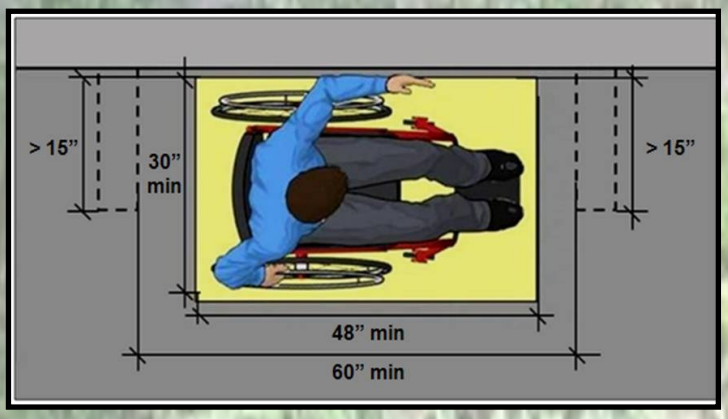
Objects with leading edges more than 27 inches and not more than 80 above the ground are to protrude more than 4 inches horizontally into the circulation path.





Requirements for providing an adjacent open space for side approach to raised garden beds.

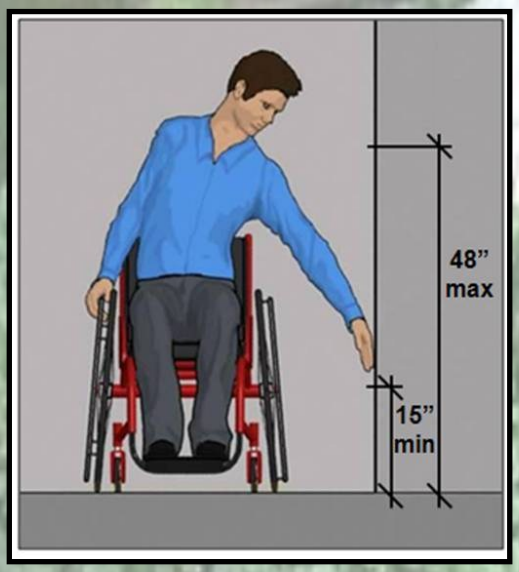
Provide a 30 inches by 48 inches open space adjacent to the raised garden bed for a parallel approach.

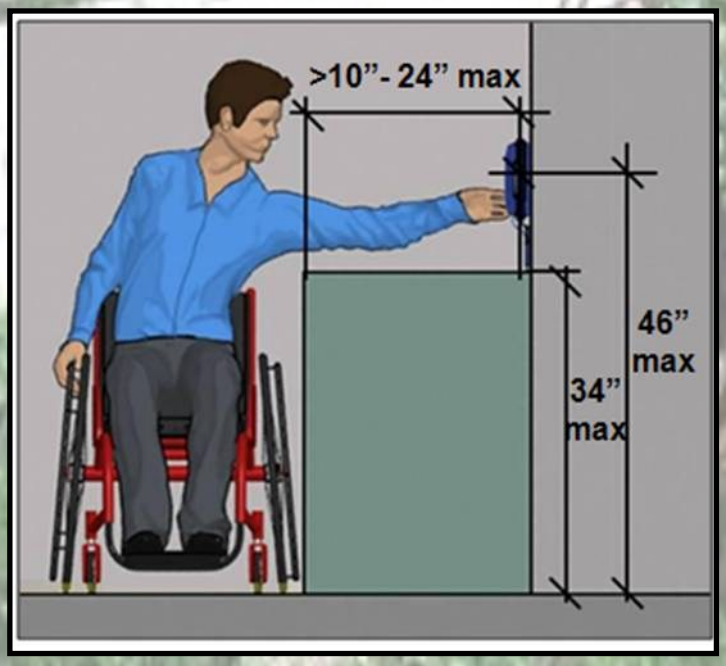




Provide an accessible raised garden bed(s) at heights varying from 15 inches minimum to 34 inches maximum above the ground surface for side approaches.

Provide accessible open spaces on both sides of raised garden beds if the widths are greater than 24 inches.



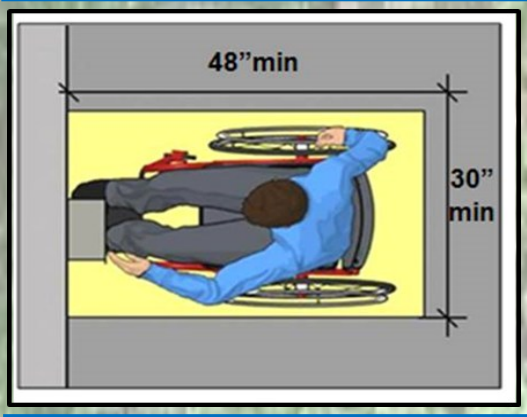


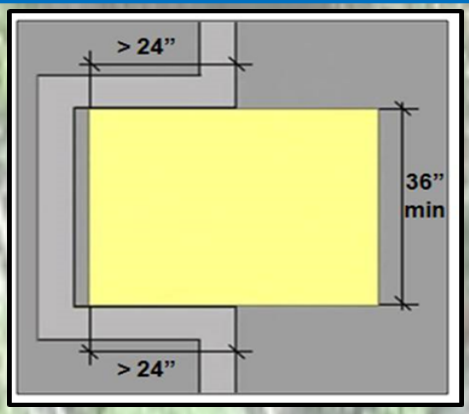
Provide a minimum of one accessible raised garden bed.

Suggestion—Possibly locate an accessible raised garden bed near the sidewalk within reach range to minimize length of an accessible route going into the garden.

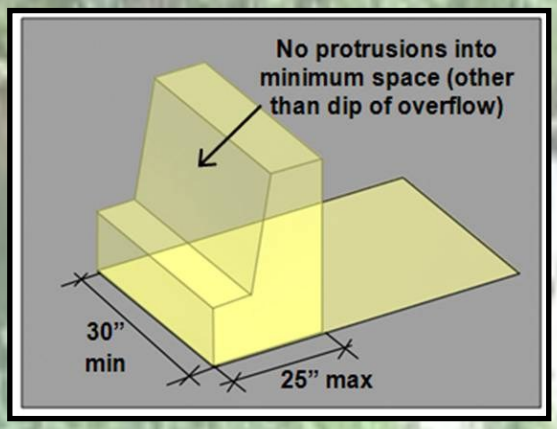
Requirements for providing spaces for front approach to raised garden beds.

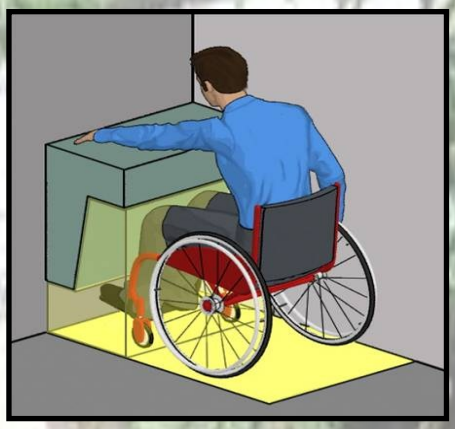
Provide a 30 inches by 48 inches open space to the raised garden bed for a front approach. Additional space is required when the space is confined on three sides and is obstructed for more than half the depth.



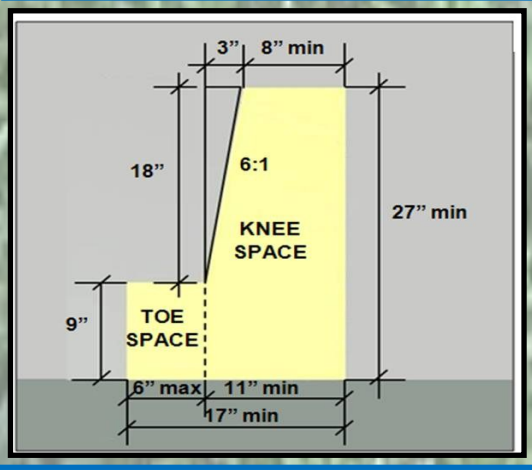


Provide knee space at 30 inches wide with at a depth of at least 17 inches up to 25 inches for front approach to raised garden beds.





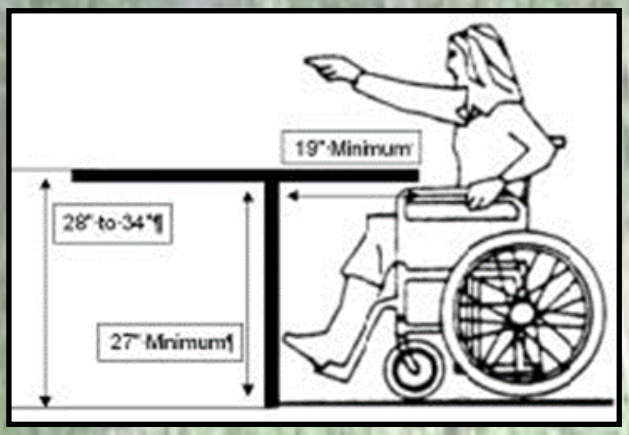
Beyond a depth of 8 inches measured from the leading edge, the 27 inches minimum knee clearance can reduce to 18 inches (to the 9 inches toe space) over a 3 inch span.





Height requirements for front approach raised garden beds, picnic tables and work surfaces.

The tops of front approach raised garden beds, picnic tables and work surfaces shall be 28 inches minimum to 34 inches maximum above the ground.





Picnic Tables

***If two picnic tables are provided both will need to provide open spaces for wheel-chair users. If more than two picnic tables are provided 20 percent of tables will need to provide open spaces for wheelchair users.**

***Provide an accessible route to picnic tables.**

***Provide a 30 inches by 48 inches open space to picnic table with the proper toe and knee clearance as required for front approaches.**

***Provide picnic tables with top surfaces with 28 inches minimum to 34 inches maxi-mum above the ground.**



Benches

***If two benches are provided both will need to provide a clear ground space adjacent to the each bench for wheelchair users to station themselves. If more than two benches are provided 20 percent of the benches will need to provide clear ground space adjacent to benches for wheelchair users.**

***Clear ground space adjacent to benches shall be located on an access route.**

***Clear ground space adjacent to benches shall be a minimum 36 inches wide and 48 inches deep.**

***The clear ground space shall not overlap the access route, or another clear ground space.**



Acknowledgements:

Illustrations and pictures courtesy of the United States Access Board.