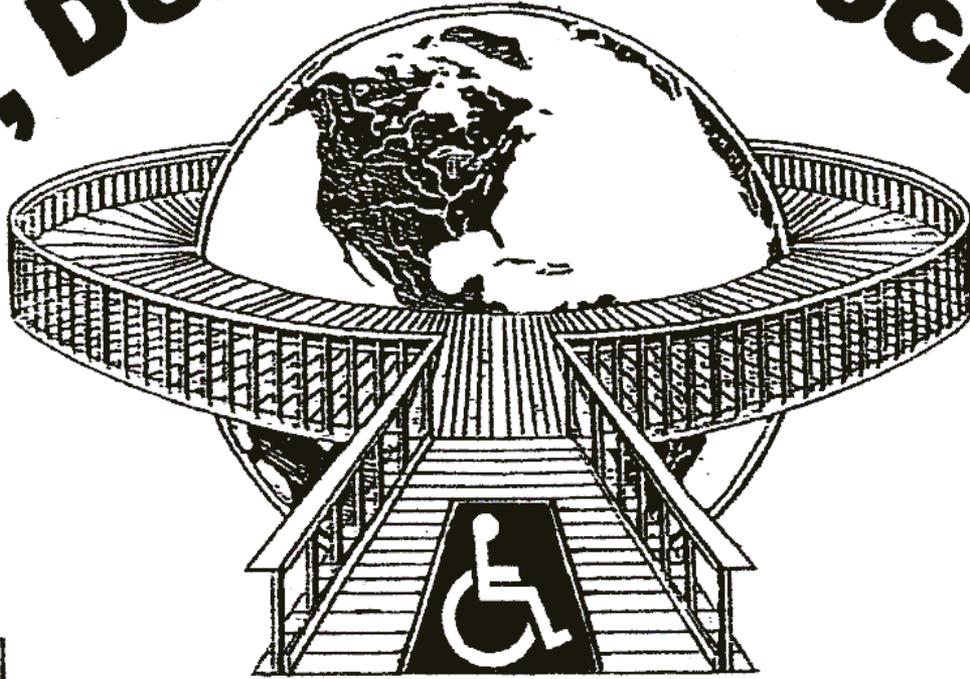


# Eastlake, Derry & Associates, LLC



**ADA**



## Accessibility Solutions

© M. DERRY 2001

[www.adaderry.com](http://www.adaderry.com)



# U.S. ACCESS BOARD

## TOPICS COVERED

- Play Area Accessibility Guidelines
- Recreation Facility Accessibility Guidelines (boating facilities, fishing piers and platforms, golf courses, miniature golf courses, sports facilities, and swimming pools and spas)
- Outdoor Developed Areas (trails, picnic and camping facilities, beach access routes)

# U.S. ACCESS BOARD

- Independent Federal agency committed to accessible design
- Operates with about 30 staff
- Governing board of representatives from Federal departments and public members appointed by the President

# An Overview of the Access Board

- **Guidelines and standards development**
  - Architectural Barriers Act of 1968
  - Americans with Disabilities Act of 1990
  - Telecommunications Act of 1996
  - Rehabilitation Act Amendments of 1998
- **Technical Assistance and training**
- **Research**
- **Compliance and enforcement**



# Recreation Facilities (234 - 243)

- amusement rides (234)
- recreational boating facilities (235)
- exercise machines (236)
- fishing piers and platforms (237)
- golf facilities (238)
- miniature golf facilities (239)
- play areas (240)
- saunas and steam rooms (241)
- swimming pools, wading pools, and spas (242)
- shooting facilities with firing positions (243)

# Play Areas

(Published Fall 2000)

- Play Components
- Accessible Routes
- Surfacing
- Soft Contained Play Structures

## Guide to ADA Accessibility Guidelines for Play Areas



U.S. Architectural and  
Transportation Barriers  
Compliance Board  
Guide to ADA Accessibility  
Guidelines for Play Areas



# Accessible Surfaces

Inside Play Area:  
Surface must meet ASTM  
F1951-99 standards

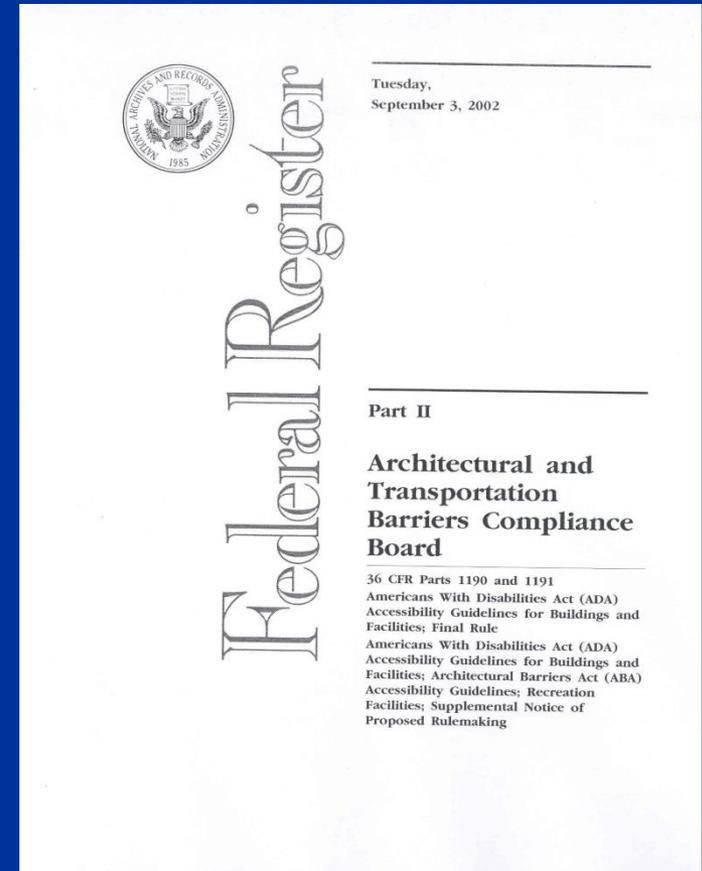
Care and maintenance  
is required



Outside Play Area:  
ADASAD 2010



# Technical assistance material



# Boating facilities



- Newly designed or constructed and altered recreational boating facilities
- Marinas, public piers with boat slips
- Fixed and floating

# Boating facilities

- Number of accessible boat slips
- Uses modified ADAAG parking table
- Dispersed among the different types
- Boat slips – not identified, every 40 ft.

<b>Boat Slips Provided</b>	<b>Minimum Accessible</b>
----------------------------	---------------------------

1-25	1
26-50	2
51-100	3
101-150	4
151-300	5
301-400	6
401-500	7
501-600	8
601-700	9
701-800	10
801-900	11
901-1000	12
1001 and over	*

*\*12 + 1 for each 100 or fraction thereof*

# Boating facilities

- Accessible boat slip – 60 inches width of clear pier space
- Where obstructed, at least one opening of 60 inches in width every 10 feet
- Edge protection permitted

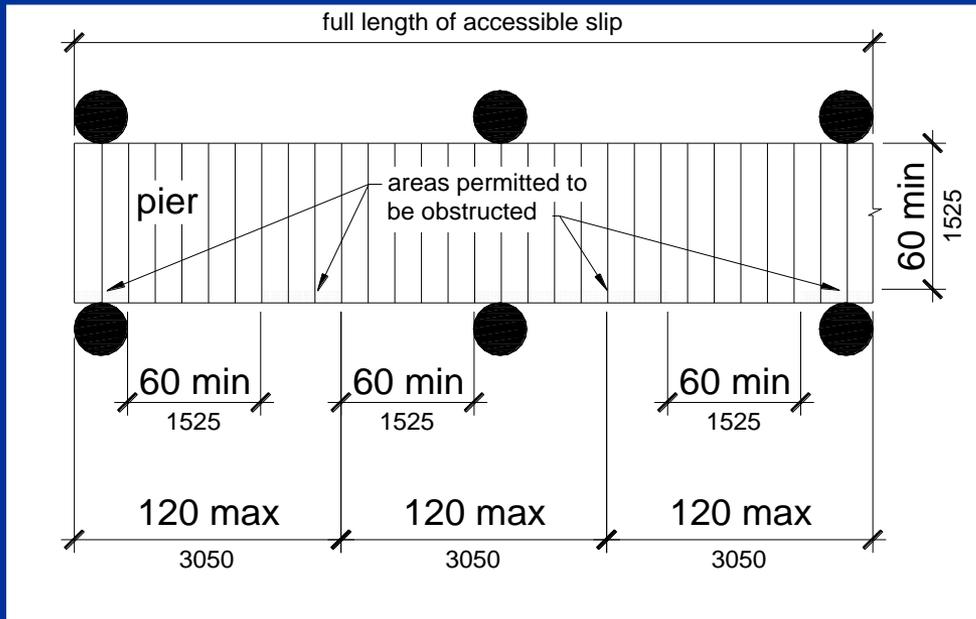


Fig. 59  
Pier Clearances

# Fishing piers and platforms

- Railings
  - Where provided
  - Maximum 34 inch height for 25% of the railing
  - Lowered railing dispersed
  - Exception: where a guard is provided which complies with ICC/IBC



# Golf courses

- Newly designed or newly constructed and altered golf courses, driving ranges, practice putting greens, and practice teeing grounds.



# Golf courses

- Putting greens – each putting green designed and constructed so that a golf car can enter and exit



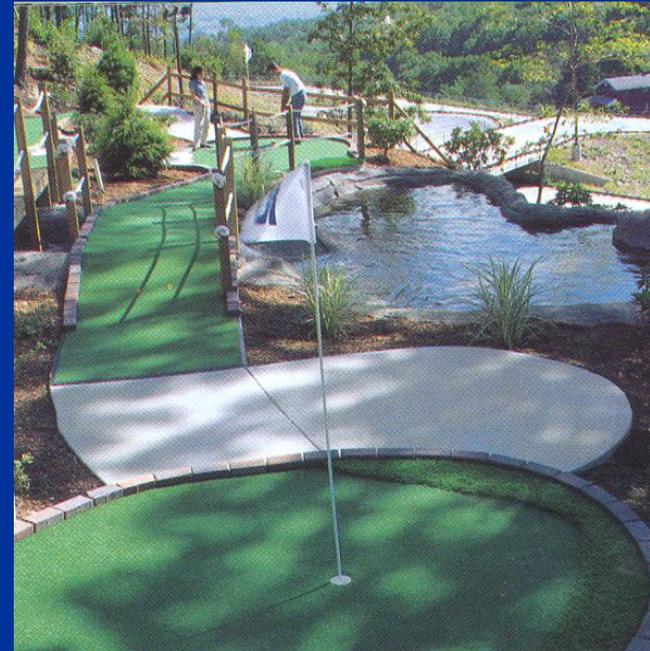
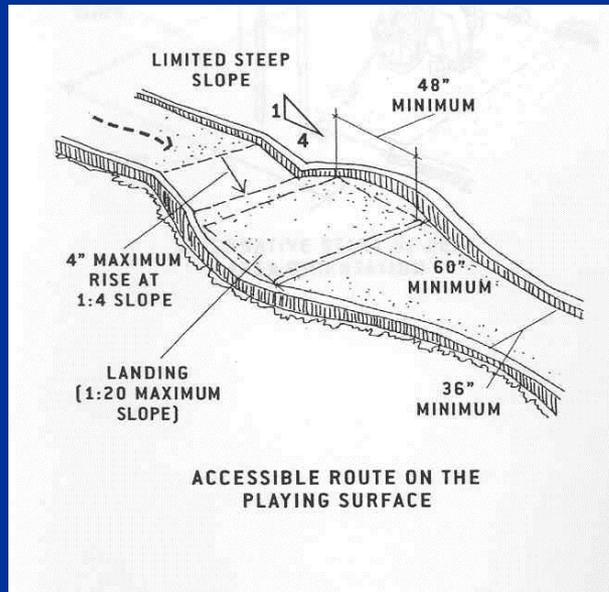
# Miniature golf

- Newly designed newly constructed or altered miniature golf courses
- 50% of holes required to be accessible and consecutive
- Exception permits one “break” provided the last hole is included



# Miniature golf

- Accessible route may be provided on the playing surface, OR



# Miniature golf

- Adjacent to the playing surface
- Golf club reach range- where ball can come to rest— 36” max from accessible route 1:20 max.



# Saunas and steam rooms

- Where provided in a cluster, at least 5%, not less than one
- Turning space within the room may be obstructed by readily removable seats
- Door swing cannot swing into clear floor/ground space for bench



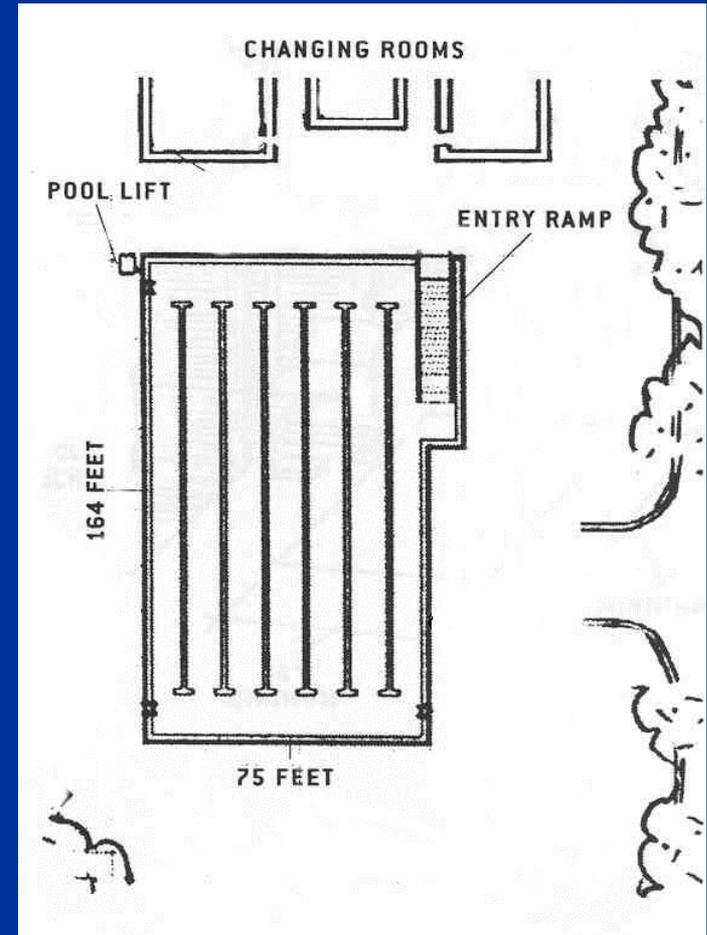
# Sports facilities

- Area of sport activity
- “That portion of a room or space where the play or practice of sport occurs”
- Accessible route to each “area of sport activity”
- Exempt from firm, stable, and slip resistant surface provision



# Swimming pools

- Two means of access into the water required
- Primary means = lift or sloped entry
- Secondary = a lift, sloped entry, transfer wall, stairs, or transfer system



# Swimming pools

- Exceptions:
  - Pools with less than 300 linear feet of pool wall = 1 means



Pool wall obstructed by landscaping or adjacent structures – “counted”

# Sloped entry

- Extend to 24 inches to 30 inches below stationary water level
- 1:12 maximum slope
- Handrails – 33 inches – 38 inches clear width

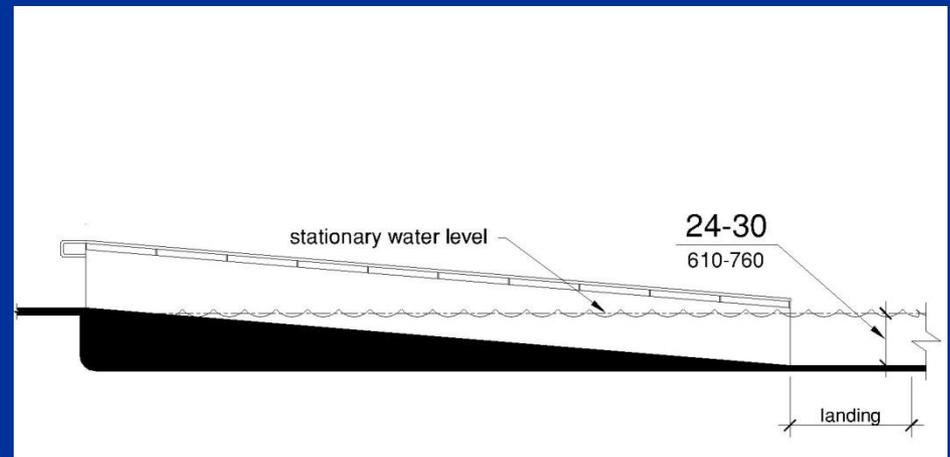


Fig. 72  
Sloped Entry Submerged Depth

# Transfer walls

- Clear deck space - 60 in x 60 in, slope 1:48 max.
- Height – 16 in to 19 in
- Surface – rounded edges, not sharp



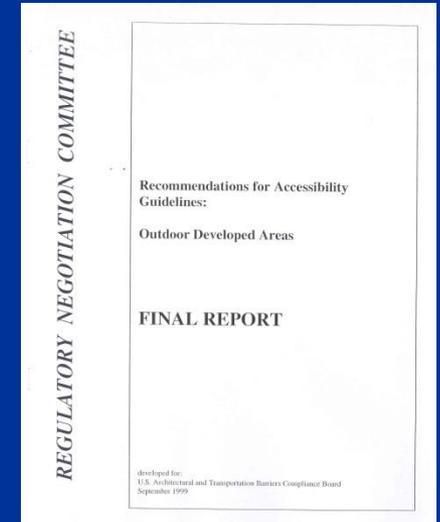
# Transfer systems

- Clear space – 60 in x 60 in
- Centered on 24 inch width
- Platform:
  - 19 in min depth
  - 24 in clear width
  - 16 in to 19 in height
- Surface – not sharp and rounded edges.



# Outdoor Developed Areas

- Trails
- Picnic/Camping
- Beaches



# General Approach

- Assumes accessibility when designing and constructing new trails
- Four conditions
- Departures from specific technical provisions are permitted where certain conditions exist
- Where the condition is no longer present, the technical provision applies



# Four Conditions for Departure

- Substantial harm to cultural, historic, religious or significant natural features or characteristics
- Substantially alter the nature of the setting or the purpose of the trail
- Require construction methods or materials that are prohibited by federal, state, or local regulations or statutes
- Not feasible due to terrain or the prevailing construction practices





# Outdoor Recreation Access Route

- Modified ADAAG accessible route
- Connects accessible elements within picnic area, camping area, or designated trailhead

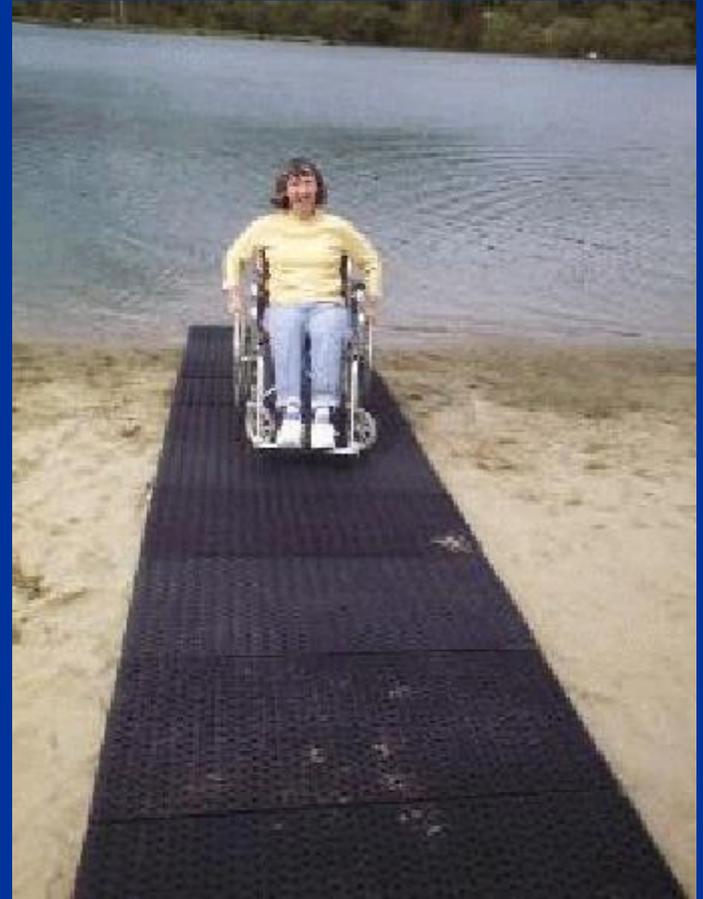


# Picnic Elements

Picnic tables	Fire rings
Cooking surfaces, grills, pedestal grills	Fixed trash and recycling containers
Woodstoves and fireplaces	Overlooks and viewing areas
Telescopes and periscopes	Fixed benches
Utility sinks	Storage facilities
Utilities	Fixed pit toilets
Outdoor rinsing showers	

# Beach Access Route

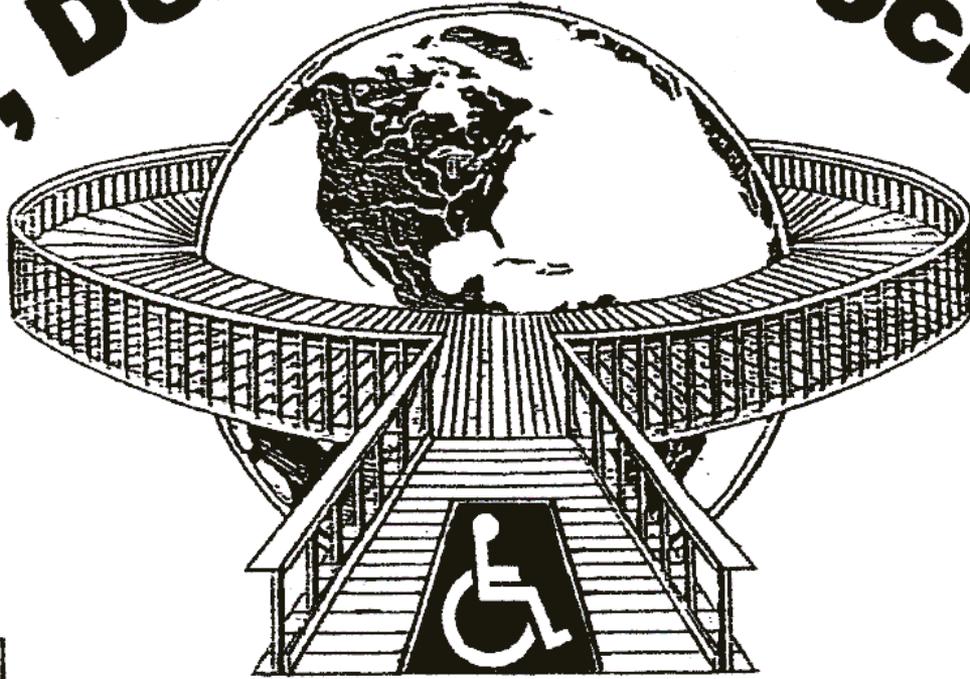
- Allows for accessible beach routes to be either permanent or temporary
- Extend to high tide level, mean river bed level, or normal recreation water level



# How to reach the U.S. Access Board

- (800) 872-2253 OR (202) 272-0080
- (202) 272-0082 (TTY)
- (202) 272-0081 (FAX)
- [www.access-board.gov](http://www.access-board.gov)
- [ta@access-board.gov](mailto:ta@access-board.gov)

# Eastlake, Derry & Associates, LLC



**ADA**



## Accessibility Solutions

© M. DERRY 2001

[www.adaderry.com](http://www.adaderry.com)