

MARINA STANDARDS

9-1 VISION & INTENT



To establish minimum requirements for the siting, design, construction, and operation of marinas to serve the needs of boaters, while properly managing the State's natural resources, and protecting public health.

MARINA STANDARDS

9-2 SITING

MARINA TYPES:

Permitted uses include marinas as accessories to mixed use development, for mooring boats and/or for fueling boats.

MARINA SITING:

Satisfy TVA, USACE, and State of Tennessee requirements. Marina must minimize adverse effects on flow of water, commercial boat traffic and recreational rowing, minimize dredging and minimize accumulation of sediments

MARINA SIZE:

As a guide, the riverside width of marina shall not project past the TVA & USACE assessment line as shown on the regulating plan

Minimum clear distance of fairway aisle between finger float ends shall be minimum 1.5 times the length of the longest finger float but not less than 40'.

Marina length may be no longer than the property it serves

MARINA DEPTH:

Minimum 6' of water at normal low pool, max no deeper than river channel. If excavation is required to accomplish the minimum depth, TVA, USACE, or the State of Tennessee may require sediment testing to determine environmental impact of any potential dredging

PERMITTED USES:

Marinas as accessories to mixed use development, for mooring boats and/or for fueling boats

NON-PERMITTED USES:

Dry boat maintenance, dry lifts, dry boat storage, residential boat houses, motorized boat storage, covered moorings, in-water maintenance such as pressure washing or hull scraping

MARINA STANDARDS

9-3 DIMENSIONS

GANGWAY:

Gangways shall have a minimum clear width of 3' and at least one gangway slope must meet ADA requirements. Gangways shall be aluminium with guardrails, handrails and kick plate. Gangways shall be hinged at one end and sliding at the other. Gangways shall be capable of disconnecting and stowing during flood events

TOP LANDING:

Top landing shall have a minimum 5' x 5' platform with guardrail & lockable gate

UTILITIES:

All utilities servicing floats shall have a shut off and/or emergency disconnect adjacent to the top of the gangway
Potable water and fire suppression lines shall not be combined

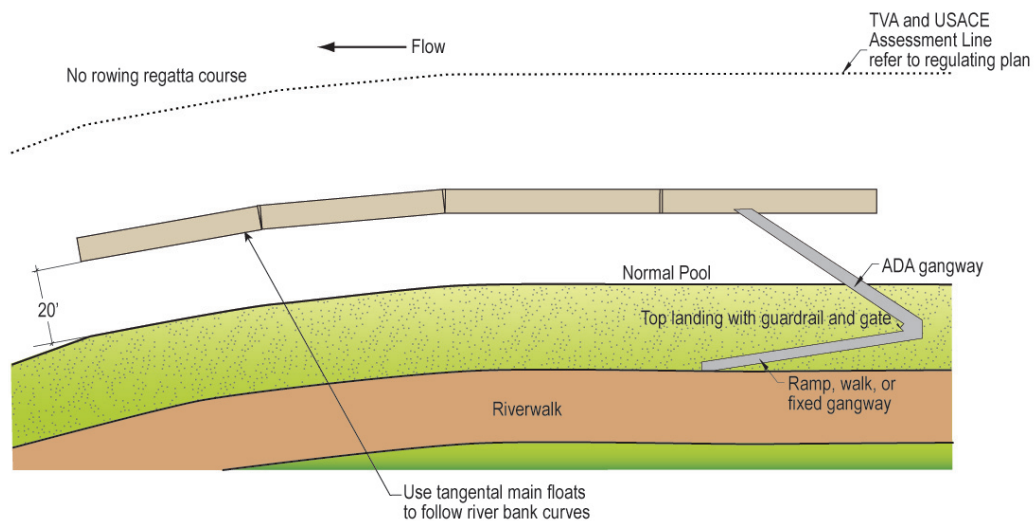
MAIN FLOATS:

Main floats shall be not less than 5' in unobstructed width

FINGER FLOATS:

Finger floats shall be not less than 3' unobstructed in width

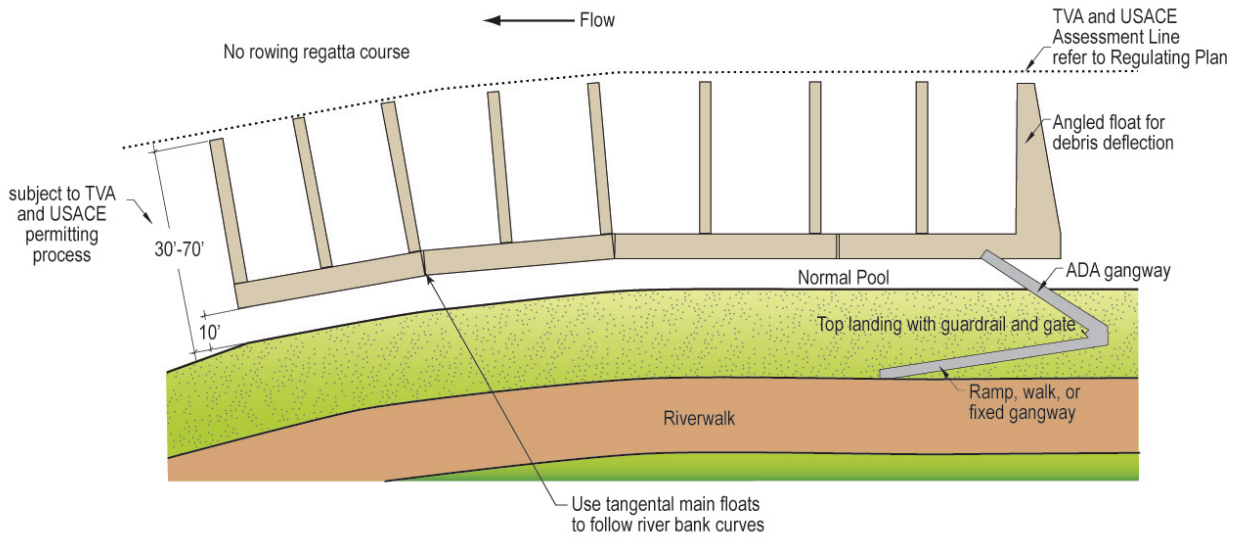
IN-RIVER MARINA CONFIGURATION #1:



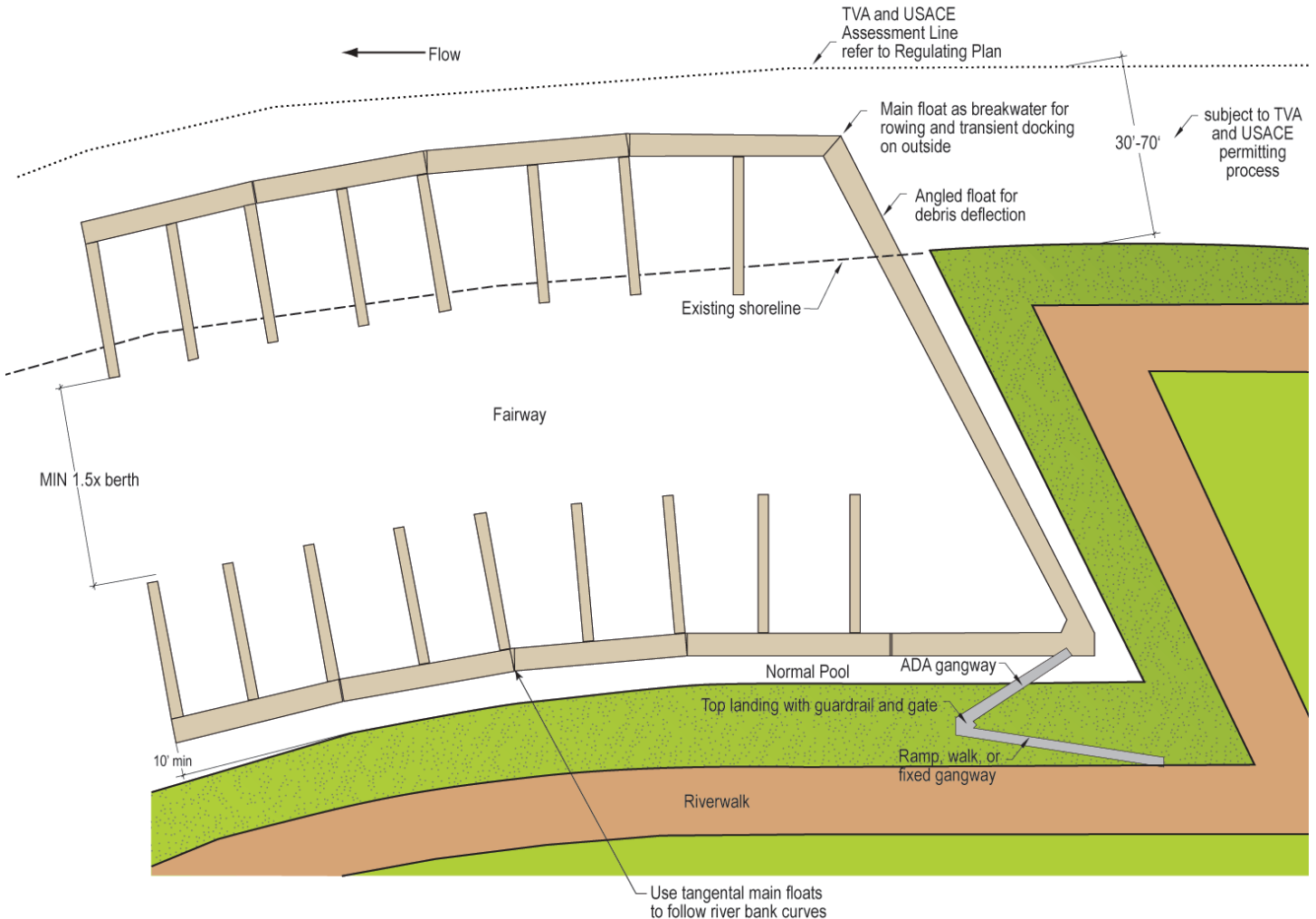
MARINA STANDARDS

9-4 DIMENSIONS

IN-RIVER MARINA CONFIGURATION #2:



IN-BANK MARINA CONFIGURATION:



MARINA STANDARDS

9-5 GENERAL STANDARDS

STRUCTURAL LOADS:

DEBRIS DEFLECTION:

Locate float systems and/or breakwater to deflect floating debris around marina

FLOTATION MATERIALS:

Timber logs and wood flotation shall not be used. Concrete, steel, polyethylene, encapsulated foam, pontoon systems may be used and all floats used for fuel docks shall be concrete impervious to fuel spillage

IMPACT LOADS

Waterfront structures shall be designed for impact loads from vessels and floating debris up to a 1 in 100 year flood

FLOTATION & ANCHORING:

Steel guide piles or hinged steel arms must enable marina to float up to 1:100 year flood elevations plus freeboard. Fixed Marinas are not permitted

ENVIRONMENTAL CONSIDERATIONS:

SEWAGE MANAGEMENT:

No sewer discharge to any waters. One fixed-point collection system at centrally located pumpout station to discharge to city sewer

FUEL MANAGEMENT:

If fuel facilities are proposed, only land based underground storage tank out of floodway is permitted

ON-SHORE COMPONENTS:

OFF STREET PARKING:

Not required for marinas as an accessory to residential buildings

LOADING AREA:

Allow service vehicle access to top of gangway landing

SIGNS:

Signs other than for navigation and regulation are not permitted