

## Bourne Conservation Commission Pier Submission Checklist for Applicant

### Items for Submission BWR 1.16(1)(d) – do not submit without addressing all items listed below:

- Description of materials BWR 1.16(1)(d)1
- Description of construction plan BWR 1.16(1)(d)2
- Description of landward approach to pier showing no adverse effect on wetland resources BWR 1.16(1)(e)10
- Detailed plan including water depths, MHW, MLW and current topographic survey of the site BWR 1.16(1)(d)3
  - MassDEP's Waterways Program recommends using BBNEP's tidal datum viewer which can be found here:  
<https://buzzardsbay.org/technical-data/tidal-datums-ma/interactive-tidal-datum-viewer/>
- Wetland resource delineation BWR 1.16(1)(d)4
- Storage plan for seasonal components BWR 1.16(1)(d)5
- Statement about effect on commercial/recreational use of water BWR 1.16(1)(d)6
- Shellfish/fisheries report BWR 1.16(1)(d)7
- Eelgrass survey BWR 1.16(1)(d)8
- Lighting compliance BWR 1.16(1)(d)9
- Engineering/RLS plans BWR 1.16(1)(d)10
- Alternatives analysis BWR 1.16(1)(e)23
- Natural Heritage letter if located in priority habitat BWR 1.16(1)(j)
- DMF letter
- Letter from the Cove Master (see mooring documents under Dept. Natural Resources webpage)

### The design must meet the following regulations:

#### Prohibitions

- Not located in velocity zone (except harbors of safe refuge or among existing piers) BWR 1.16(1)(g)
- Not located in ACEC BWR 1.16(i)
- No dredging BWR 1.16(1)(e)3.b
- Seasonal use only – installed on or after 1 April and removed by 1 November BWR 1.16(1)(b)

#### Dimensions

##### Length

- $\leq$  125 feet beyond MHW BWR 1.16(1)(e)1 or, in cases with salt marsh,  $\leq$  100 feet beyond salt marsh BWR 1.16(1)(e)1
- $\leq$  1/5 (20%) width of water body measured MLW to MLW BWR 1.16(1)(e)2

##### Height (float bottom above seafloor)

- $\geq$  1.5 feet (18 inches) above MLW BWR 1.16(1)(e)3 (no float stops allowed)
- $\geq$  2.5 feet (30 inches) above MLW in Land Containing Shellfish BWR 1.16(1)(e)3
- $\geq$  4.0 feet (48 inches) above MLW if within 50 feet of any eelgrass BWR 1.16(1)(h)

##### Height (walkways above seafloor)

- $\geq$  1:1 height to width (1.5:1 is preferred)

##### Width (pier excluding floats)

- $\leq$  4.0 feet (48 inches)

##### Pile Spacing

- $\geq$  20x diameter of piling between pairs of pilings (no closer than 10') when over salt marsh or BVW BWR 1.16(1)(e)6

##### Plank Spacing

- $\geq$  3/4 inch

##### Area (entire pier seaward of MHW including floats)

- $\leq$  600 square feet BWR 1.16(g)2.a

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Setbacks

- >= 50 feet from salt marsh (to float) BWR 1.16(1)(e)11
- >= 25 feet from eelgrass bed (BWR 1.16(1)(h))
- >= 25 feet from property line and extension BWR 1.16(1)(e)16.a
- >= 100 feet from navigation channel and >= 100 feet from all mooring anchors BWR 1.16(1)(e)16.b
- >= 250 feet from all boat ramps, public landings, and public swimming beaches BWR 1.16(e)16.c