

Unnamed Conservancy District
663 complex
Isolated Land Subject to Flooding
This is a small area and using the
2' rule would work well with the
record elevation for 663A.
However, this would result in the
ICD extending well beyond the
extent of the very shallow wetland.

Conservancy District 663
Ditch Elev. = 4.85
Contour Elev. = 6.85 (NGVD)
Contour Elev. = 5.75 (NAVD)

The small wetland is confined by
elevation 7

Conservancy District 663A
Swamp Elev. = 16.78
Contour Elev. = 18.8 (NGVD)
Contour Elev. = 17.7 (NAVD)

The contour greatly exceeds the
limits of the sloping wetland. The
contour is in red and the more
reasonable contour is in black. The
southerly extent of the wetland
requires verification as the elevation
may increase further.

Extent of wetland to be verified and
the Inland Conservancy District
Contour is to be adjusted based on
the wetland delineation.

CONSERVANCY DISTRICT NOTES

Conservancy Districts 663 and 663A are part of a drainage ditch system. The ditch contains an intermittent stream and is sufficiently wet to support a vegetated wetland.

ICD 663 is defined along Orleans Road and is confined by a contour that exceeds the contour listed in the Conservancy Districts Book.

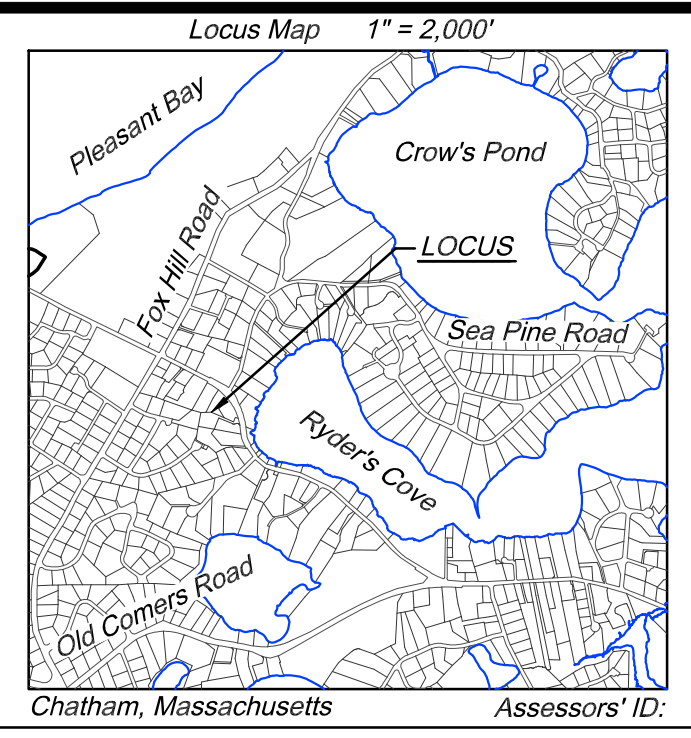
ICD 663A was defined around the end of Power Lane. It continues downgradient to ICD 663. The upgradient portion to the south of the culdesac at Power Lane requires additional research as the wetland may be higher.

The methodology to establish more accurate grades was to use the approximate low point of the ditch and hold the adjacent contour three feet above it. This provides a reasonable location of the Inland Conservancy District based on the two-foot rule above an unknown water level.

An Isolated Area Subject to Flooding exists to the north of Inland Conservancy District 663A. Within the very shallow depression wetland species are present and the elevation matches the record elevation for ICD 663A. However, using this elevation will result in a Conservancy District that is substantially larger than the wetland itself. A modest buffer has been proposed.

The record contour for ICD 663A has been depicted in red. The proposed contour for ICD 663, 663A and the unnamed ICD has been depicted in black.

The elevations are based on the 2013 USGS aerial LIDAR.



ANALYSIS PLAN
Orleans Road, Chatham, Massachusetts
October 21, 2022

Description of Revision	Date

INLAND CONSERVANCY DISTRICT 663

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Vertical Datum: NAVD '88
Horizontal Datum: NAD '83 (2011)



Scale: 1" = 50' (U.S. Survey Feet)
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