

## C. VERTICAL AND HORIZONTAL CONTROL *See also the H-Cell Report*

### C.1 Vertical Control

The vertical datum for this project is Mean Lower Low Water (MLLW). The operating National Water Level Observation Network (NWLON) station at Virginia Key, FL (872-3214) serves as datum control for Survey H11898. *Concur*

The survey area is located within Zones FSE1, FSE2, FSE5, FSE6, and SA228 as provided by preliminary tidal zoning data included with the SOW. Verified tides with final tide zoning were applied by OSI. There were no significant water level errors or uncertainty observed in cross line data or final BASE surfaces, see tidal offsets in section B.2.5 for additional information on verified tides. *Concur*

### C.2 Horizontal Control

The horizontal datum for this project is the North American Datum of 1983 (NAD83). All data products are referenced to Latitude/Longitude or Universal Transverse Mercator (UTM) Zone 17, meters. *Concur*

All position data were acquired using a POS MV inertial measurement unit (IMU) Differential GPS (DGPS) positioning system. Differential beacon correctors from the U.S. Coast Guard station in Miami were used for the primary position system. Differential beacon