

**PROJECT:** Cobblestone Place - Palm Beach County  
**ENGINEER:** Schnars Engineering Corp., Project No. 07127  
**DATE:** October 3, 2007

### **DRAINAGE STATEMENT**

This drainage statement is provided to support the development of a 168 bed congregate living facility on 6 acres of land. The subject property is located on the northwest corner of Ponderosa Drive and Cobblestone Way in unincorporated Palm Beach County. The proposed surface water management system is located in the South Florida Water Management (SFWMD) Hillsboro Canal drainage basin and will be under the jurisdiction of SFWMD and Palm Beach County. The system shall meet all applicable standards of these governing agencies. The project will discharge into the adjacent Ponderosa Drive roadway drainage system. Discharge will be limited by a control structure to 35 CSM at the 25 year- 3day storm event.

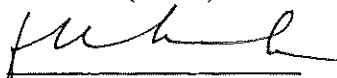
The finished floor elevations will be above the FEMA Flood Insurance Rate Map, the calculated 100 year - 3 day, zero discharge storm event or 18 inches above the crown of the adjacent road, whichever is higher. A berm will be placed around the perimeter of the site with a top elevation equal or exceeding the calculated 25 year - 3 day routed storm event to prevent unauthorized discharge from the site. The crown of the onsite roads will be designed above the 5 year - 1 day storm event elevation.

The water quality volume will be detained in the on-site dry detention area and will be allowed to bleed-down at a rate of one-half inch per day.

The on-site drainage system will consists of a series of catch basins and pipe which will direct runoff to an on-site dry detention area. The on-site drainage system will be designed for a 3 year storm event.

### **SCHNARS ENGINEERING CORPORATION**

(SEAL)



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