

Job No. 16-063  
August 16, 2016  
Revised 09/22/2016  
Revised 10/20/2016  
Revised 12/20/2016

## DRAINAGE STATEMENT

Place of Hope – Lane Outreach Center  
Palm Beach County, Florida

### SITE DATA

The subject parcel is located on the southwest corner of Northlake Boulevard and North Bates Road in Palm Beach County, Florida and contains approximately 2.27 acres. The Property Control Numbers (PCN) for the subject parcel are 00-42-42-24-01-000-0691 and 00-42-42-24-01-000-0692. Proposed site development on the existing two residential lots consists of 18,000 SF of professional office area. For additional information concerning site location and layout, please refer to the Site Plan prepared by Cotleur & Hearing.

### PROPOSED DRAINAGE

The site is located within the boundaries of the South Florida Water Management District C-17 Drainage Basin. It is proposed that runoff be directed to on-site water management areas (dry detention and underground exfiltration trench storage chambers) by means of inlets and storm sewer. Legal positive outfall is available to the site via connection to the Northlake Boulevard drainage system adjacent to the parcel's north property line. Drainage design is to address the following:

1. On-site retention of the runoff from the 3 year, 1 hour rainfall event.
2. No runoff to leave the site except through an approved control structure up to the level produced by the 25 year, 3 day rainfall event.
3. Building floor elevations to be at or above the level produced by the 100 year, 3 day rainfall event.

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PROPOSED DRAINAGE (CONTINUED)

4. Parking lots to be protected from flooding during a 5 year, 24 hour rainfall event.
5. Allowable discharge to be in accordance with South Florida Water Management District criteria.
6. Due consideration to water quality (including ½” dry pre-treatment per South Florida Water Management District criteria).
7. Compliance with the South Florida Water Management District C-17 Drainage Basin Criteria with regard to compensating storage via dry retention.

Required permits/approvals shall include the following:

1. Palm Beach County Engineering Department On-Site Drainage Approval
2. Palm Beach County Right-of-Way Permit

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Paul A. Buri, P.E.  
FL Reg. No. 68291

**Paul A. Buri, P.E., State of Florida, Professional Engineer, License No. 68291**

**This item has been electronically signed and sealed by Paul A. Buri, P.E. on 12/20/2016 using a SHA-1 Authentication Code.**

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