

## REQUIREMENTS FOR FINALIZING AN ENGINEERING PERMIT

Please verify that all the following applicable items have been completed and/or submitted:

**INSPECTIONS:**

All applicable inspections associated with the permit have been requested and approved by the City's inspector.

(The Engineering Division can provide upon request a print out of all required inspections, indicating which inspections have been approved, denied or are still outstanding.)

**SHOP DRAWINGS:**

Verify that submittal of all shop drawings for materials have been approved by the engineer of record and the Engineering Division

**REPORTS:**

Verify that all copies of reports for densities, LBR, concrete compressive strengths, etc., have been submitted for approval to the Engineering Division.

**OUTSIDE AGENCY FINAL APPROVALS:**

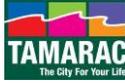
Copies of all final approvals from the South Florida Water Management District, State of Florida Department of Environmental Regulation, Florida Department of Transportation, Broward County Engineering Department, Broward County Department of Planning and Environmental Protection, etc., that have jurisdiction.

**FINAL ENGINEER'S CERTIFICATION:**

After all required improvements have been installed, the owner shall have the engineer of record submit certification to the City that the improvements have been constructed according to the City of Tamarac Code and standard details, ADA requirements, approved plans/specifications and all other requirements set forth by agencies having jurisdiction, based on inspections of the site and review of as-built drawings

**AS-BUILT RECORD DRAWINGS:**

As-builts shall be signed and sealed by a land surveyor registered in the State of Florida and approved by the engineer of record. As-builts plans shall be submitted as follows; one (1) set of plans on mylars, two (2) sets of plans and one (1) copy in a digital format in AutoCAD latest version. Digital File to be compatible with the City's GIS system. The as-builts shall comply with the following requirements:



### Storm drainage

Record drawings shall include:

- 1) Length of pipe runs from center of structure to center of next structure, including the size and type of pipe used;
- 2) Type and size of each structure and its location with reference to property lines and/or the street centerline;
- 3) Top of rim elevations of grate lid elevations of manholes and invert elevations of all pipes;
- 4) Inverts of swales shown at fifty-foot intervals coinciding with pavement interval elevations;
- 5) Cross-section drawings of the lakes and canals within and adjacent to the development at two-hundred-foot intervals;

### Pavement

Record drawings shall include:

- 1) Finish grades at the edge of finished asphalt and centerline at longitudinal intervals of not more than fifty (50) feet, street intersections and/or all changes in gradient.
- 2) Top of rim elevations of all drainage structures.

### **EASEMENTS:**

Recorded easements shall be provided for the installation of all underground utilities facilities, in conformance with such size and location of easements as may be determined by the city engineer to be compatible with the requirements of all utility companies involved with respect to a particular utility service.

- 1) Easements across lots or centered on rear or side lot lines shall be provided for public utilities where necessary and shall be at least twelve (12) feet in total width
- 2) All canal maintenance easements shall be a minimum of twenty (20) feet.

### **PERFORMANCE BOND RELEASE:**

If a performance bond for work within the public right of way has been provided and release is desired, the following documents must be submitted in addition to the above:

- 1) Certified actual costs of the improvements within the right of way by the Florida registered professional engineer of record.
- 2) A twenty five percent (25%) warranty bond.