CONSTRUCTION CERTIFICATION TESTING REQUIREMENTS

Project Name:_____

- Attend Pre-Construction Meeting Date:_____
- Submit copy of SWPPP, NOI & ESC plan to ERA Inspectors (prior to start of construction)
- Provide copy of current Contractor's License

Prior to Start of Earth Disturbance

- Install initial Erosion & Sediment Controls (such as silt fence, stabilized entrance, etc.) as per ESC plan

Sanitary Sewer and Storm Sewer Construction

- Daily installation reports [1]
- Material submittals (i.e. pipe, structure, etc.) [*Submitted by Engineer*]
- Bedding material analysis [2]
- Compaction reports on trench backfill [3]
- Compaction reports on buildable areas in the subdivision. The locations shall be selected by the ERA subdivision inspector and shall be representative of the entire development. The minimum number of tests shall be equal to 10% of the number of lots in the subdivision [4]
- WYE record indicating stationing and offsets [*Submitted by Engineer*]
- Post-installation testing certification in accordance with the Town of Sorrento Subdivision Regulations, Section 17-4042. Post installation testing shall not occur less than 30 days following completion of installation of sewer piping. The testing lab representative must be present for all post-installation tests.
- Prior to installation, provide manufacturers installation requirements for all plastic piping used for storm piping [*Submitted by Contractor*]

Roadway Construction

- Lime determination report to reduce PI to 15 or less
- PI determination following application of lime [5]
- Soil cement determination to achieve 250 psi cylinders
- Soil cylinders cement application data
- Concrete cylinders break test for curbing at a rate of one per every 600 lf of curbing [6]
- Concrete cylinders break test for concrete roadways at a rate of one per every 100 cubic yards of concrete

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- Certification of asphalt mix supplied. One initial test certified by testing lab shall be performed and subsequent batch reports for each batch shall be provided by asphalt provider [7]
- Asphalt Cores to verify thickness at a rate of one per every 500 lf of roadway

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A final inspection will be scheduled upon request when all significant construction activities are completed, as per section 17-408 of the Town of Sorrento Subdivision Regulations.

All testing reports required on this Construction Certification Testing Requirements checklist must be received a minimum of two weeks prior to a Planning Commission meeting in order to be included on the agenda for that meeting.

All punch list items must be completed and re-inspected a minimum of 1 week prior to the Planning Commission meeting.

The contractor is required to keep a copy of all testing lab reports on site for the duration of all construction activities.

[1] The testing lab is responsible for providing installation reports certifying that all sub-surface piping is properly installed, with appropriate bedding (material, depth, haunching,) backfill, backfill compaction and visual affirmation that all joints have been correctly sealed. Reports shall clearly identify segments of piping being reported on by reference to construction stationing, bracketing structures or detailed description. Reports must account for all piping installations and must be submitted weekly (at a minimum) while piping installation is in progress. When pipe installation is complete, a summary of the testing reports shall be submitted showing the date of installation of each pipe, the depth of the pipe, the length of the pipe and the date of compaction testing as required below.

[2] LaDOTD Specifications for Roads and Bridges, Part X, Section 1003 unless alternate specifications are submitted and approved prior to permit issuance.

[3] All piping will be backfilled and compacted in layers not exceeding 1’. Compaction testing for trench backfill (mid and top lifts) and the pipe bedding for pipes with a diameter larger than 4” shall be submitted for at least one location between all structures/outfalls with at least 20’ of separation. For pipe runs falling within the right-of-way, or under improved surfaces, testing shall also be submitted for each 100’ of piping on the pipe bedding and on each layer of backfill. All sanitary sewer service crossings must be tested and results submitted. Compaction testing shall verify compliance with

LaDOTD Specifications for Roads and Bridges, Part VII, Section 701.08 unless alternate specifications are submitted and approved prior to permit issuance.

[4] Individual lot compaction

i. For those portions of lots between the building setback lines and lots with more than twelve (12) inches of fill, control soil compaction during construction providing minimum percentage of density as indicated hereinafter;

ii. Adequate removal and/or disking of the existing grass and topsoil to be accomplished before placing fill material. In addition, before fill may be placed, all stumps, tree trunks and limbs shall be removed from the fill site. After testing to determine the in-place natural density of surrounding soils for the overall site, stump holes shall be filled and compacted to a density equal to the surrounding soil.

iii. Fill shall be placed and compacted in maximum 12-inch loose lifts. Each lift shall increase in density by three (3) percentage points above natural density of surrounding soil, with a maximum required density of 95 percent (Standard Proctor.) The moisture content at the time of compaction should be within three (3) percent of the optimum value as defined by ASTM D 698. The moisture content and density of each lift should be maintained until the next lift is begun or the final lift is complete. It is the Developer / Contractor's responsibility to ensure that all lots are adequately graded for positive drainage and do not pond or trap water, unless prior written approval has been provided by the Engineering Review Agency.

iv. If any tests result from the initial testing falls below the required density, then additional testing locations equal to 25% of lots must be tested for compaction. Subsequent testing locations will be chosen by an ERA inspector. If any result from the subsequent testing falls below the required density, then each individual lot shall be tested. A site plan indicating all test locations must be submitted to the Town of Sorrento ERA.

[5] The Town of Sorrento ERA inspector must be notified 24 hours in advance of lime processing, soil cement processing and asphalt installation.

[6] For any result from the concrete curbing break test that does not meet the required strength, the curb is to be demolished, regarded, poured and re-tested to satisfy a required strength of 4,000 psi.

[7] The asphalt shall be certified to meet LaDOTD specifications for roads and bridges, part V, unless alternate specifications are submitted and approved prior to permit issuance.