

# PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS

## ROADWAY CONSTRUCTION NOTES

1. All right-of-way other than roadway areas shall be grassed and mulched or sodded. All slopes steeper than 6:1 shall require sodding. The City reserves the right to require sodding in special areas where erosion is a concern, such as adjacent to sidewalk and back of curb.
2. The following will be the standard protection for ditches unless drainage calculations indicate otherwise:  
(Minimum slope for grass ditches shall be 0.5%)

<u>SWALE PROFILE GRADES</u>	<u>PROTECTION REQUIRED</u>
0.5%-1.0%	Grassing and mulching
1.0%-4.0%	Sod
4.0% and greater	Ditch paving (concrete)

3. The limits of stabilized sub-grade shall extend to a varying depth (per plan) below the bottom of the base and outward to twelve inches (12") beyond the curb.
4. The stabilizing material should be a high bearing value soil, sand-clay, limerock, recycled concrete, shell, or other material as approved by the City and a licensed soils engineer.
5. The sub-grade for all streets shall be stabilized not less than forty (40) pounds Limerock Bearing Ratio (LBR) to a 12" minimum depth. A compaction of no less than ninety-eight (98%) percent density based on AASHTO T-180 shall be required.
6. Tests for sub-grade bearing capacity and compaction shall be done at a minimum of every 250 feet and shall be staggered to the left, right, and at center line of the roadway. For short sections of roadway, at least two (2) tests shall be required.
7. Bases for all streets shall have a minimum 8" depth. Soil cement bases shall have a strength of 350 pounds per square inch at 28 days (85 to 125% tolerance). Recycled concrete or limerock bases shall be compacted to (98%) minimum density based on AASHTO T-180 Modified Proctor Test (LBR 100).
8. Soil Cement and recycled concrete mix designs shall be submitted to the City for approval prior to start of sub-grade preparation.
9. Concrete delivery tickets shall be provided to the City at the time of placement.
10. Testing of the in-place base shall be done at intervals equivalent to sub-grade testing and shall consist of, as a minimum, moisture content and compaction test.
11. Limerock, recycled concrete, or full depth asphalt pavement may be used in place of soil cement bases. All bases and roadway designs shall be subject to the approval of the City.
12. Soil cement base material construction shall be continuously supervised by a soils testing lab at the developer's expense.
13. Cure coating of soil cement base shall be removed by hard planing prior to installation of driving surface.



CITY OF ALTAMONTE SPRINGS  
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ALTAMONTE SPRINGS, FLORIDA 32714

## **ROADWAY CONSTRUCTION - GENERAL NOTES**

**RD001-1A**

**ISSUED 2017**

REVISED 03/01/2017 BY DJB