

The applicant shall submit five (5) copies of the unpaved road plan on 24" x 36" sheets that provide the following information:

1. A Location and Flood Zone map of the project.
2. The project must connect to an existing County roadway. Show the name and elevations of the existing roadway.
3. A minimum of 50-feet of right-of-way for the project as required per the Land Development Code, Chapter 62, Article II, Division I, Section 62-102 (b) (2) C.1.
4. A 84-foot diameter cul-de-sac or tee turnaround at the terminus of the road as required by Fire/Rescue.
5. Location of existing wetlands or water bodies within the right-of-way of the proposed unpaved road.
6. A minimum eight-inch (8") 3000-psi concrete apron when connecting to an existing paved road and include the attached detail on the plans.
7. A note stating that the minimum Limerock Bearing Ratio (LBR) shall be 40 and the maximum LBR shall be 60 for the unpaved road.
8. A roadway cross-section showing a minimum 8-inch thick, 22-foot wide stabilized roadway centered within the required 50-foot right-of-way.
9. A profile showing the existing and proposed elevations of the roadway, any stormwater pipes or structures, and the total length of the road.
10. Material utilized in the mixing process for construction of the unpaved road will be limited to shell, cemented coquina, and marl. The listed materials MUST be mixed in-place to achieve the specified LBR. Limerock WILL NOT be accepted.
11. A note on the plans that all disturbed areas within the road right-of-way shall be sodded.
12. The project must meet the requirements of the Brevard County Stormwater Management Criteria and stormwater calculations must be submitted for review and approval by the County.
13. Ditch blocks must be constructed of 4-inch thick, 3000-psi concrete with a minimum height of one foot (1') and with the ditch block extending at least one-foot (1') into the bank of the ditch. Sodded or stabilized ditch blocks WILL NOT be accepted.
14. A note that states the sub-grade of the road must be clear of all roots and other organic material.
15. The elevation of proposed road must be, at a minimum, at or above the 100-year flood elevation and above the peak elevation of the onsite stormwater system for the 25-year storm. Higher elevations may be required on a case-by-case basis.
16. Owner /developer shall provide all street signs, street name signs, dead end or no outlet signs, stop signs, speed limit signs, and end of road signs (FDOT 17349, Case II), associated with the project. All sign faces shall be "High Intensity". All sign posts shall be 2-inch galvanized steel square tube posts in accordance with FDOT Index 11865; shall be a minimum of 12' long, shall be 2-lbs /lf, and shall be installed in accordance with Brevard County Standards. The owner is responsible for the initial cost of all required signage.
17. Any slopes within the right-of-way shall be a maximum of 3:1 and swales shall have a maximum 4:1 front slope and 3:1 back slope.
18. The smallest allowable pipe within the right-of-way shall be 18" RCP or 14" x 23" ERCP.
19. All pipes crossing under the roadway will be Class III reinforced concrete pipe (RCP) with concrete mitered end sections (Index 272) or concrete endwalls (Index 250) per FDOT Design Standards. Driveway culverts can be asphalt coated corrugated metal pipe (ACCMP) or concrete (RCP).
20. The unpaved road shall be crowned at a minimum 2%. However, as an alternate, the roadway may be sloped in one direction at a minimum of 2% toward the stormwater system.
21. Please refer to Chapter 62, Division 4, "Engineering Design Standards for Subdivisions and Site Plan Review", for complete details of engineering design requirements.
22. Provide a copy of the SJRWMD permit for the project.

\*\* Applicant is responsible for obtaining all applicable State and Federal permits.

# **MINIMUM DESIGN STANDARDS FOR UNPAVED ROADS**

REV:

BREVARD COUNTY LAND DEVELOPMENT  
2725 JUDGE FRAN JAMIESON WAY, VIERA, FL 32940

## **EXHIBIT - 10**

DATE:  
**MAY-2008**