

## **Colonial Estates Subdivision**

This subdivision has been plagued with water problems for a long time. Siltation, improper pipe elevations, and lack of maintenance were the major causes of these problems. The Public Works crew had to lower pipes under two roads to achieve proper flow through the main arterial ditch that runs through the Subdivision. Along with these pipes, there was significant silt and brush along the entire length of the ditch that had to be removed. On the West side of Chesterfield Drive there was never a ditch to convey water from the Eastern side of the road, so we connected the pipes under Chesterfield Drive to the existing ditch through a flat bottom ditch. After the ditch was excavated it was seeded and strawed to minimize erosion. Also, rip-rap was placed to reduce erosion in places where the ditch turned sharply. The ditch will be much easier for the home owners to maintain now that it is free of trees and brush.

These improvements should make a great change in the flooding issues in this area. Rutherford County Public Works will be monitoring the ditch under heavy or prolonged rainfall to ensure water is flowing as it should. Should there be any problems with the ditch, questions or comments please contact Eric Hill.

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