1125-28-2504 **James T. Gill*** (jgill5@slu.edu), 220 N. Grand Blvd., Saint Louis, MO 63103, and **Panu Lahti** and **Nageswari Shanmugalingam**. *Asymptotic Properties of Finite Perimeter Sets in Metric Spaces.* Preliminary report.

We discuss research in progress by the authors. In 1999 Cheeger succeeded in finding a differential structure in metric measure spaces which are doubling and support a Poincare inequality. This is a $p > 1$ theory. We explore the $p = 1$ theory which corresponds to so-called BV functions and finite perimeter sets. (Received September 20, 2016)