

City of Happy Valley
Material Testing Requirements

(Modeled after ODOT Manual of Field Test Procedures)

Earthwork Embankment Compaction

- < 3,500 cy – 1 test/500 cy
- > 3,500 cy – 1 test/3,00 cy

Subgrade Stabilization – Visual

Trench Foundation Stabilization Compaction – 1 nuclear test/300 LF of trench

Trench Pipe Zone Compaction - 1 nuclear test/100 LF of trench/every 2' of fill**

Trench Backfill Compaction - 1 nuclear test/100 LF of trench/every 2' of fill**

Commercial Grade Concrete – 1 set of cylinders/20 cy (max. 2/day)

City Standard Curb & Gutter – one test per 500 LF

5 ft wide sidewalk – one test per 500 LF

Asphalt Trench Resurfacing – 1 nuclear test/100 LF of trench for each lift of asphalt

Aggregate Base – Visual (City Standard – Visual Proofroll)

Asphalt Compaction – 10 nuclear tests/day of paving

1" Thin Lift Overlays – Statistical Acceptance per ODOT Chapter 00745

**** Note:** Visual confirmation of compaction efforts will be allowed when trenches are over 4' deep