

# G-Max Testing

## G-Max 101

G-Max testing of athletic fields, both natural and synthetic, measures specific shock-absorbing characteristics. The American Society for Testing and Materials (ASTM) has set standards for testing procedures and safety limits. Initial testing will benchmark conditions, and subsequent annual testing will allow comparative analysis. Testing results will potentially identify maintenance needs as well as projected field life cycles.

Playing surfaces typically compact with use and require regular maintenance for maximization of use. Over use combined with minimal maintenance may create a less than desired playing environment. Annual G-Max testing will provide documentation of surface hardness as well as a record of safety compliance.

## ASTM Standards

**F 355-10a:** Standard Test Method for Impact Attenuation of Playing Surface Systems and Materials

**F 1936-10:** Standard Specification for Impact attenuation of Turf Playing Systems as Measured in the Field

**F2650-07:** Standard Terminology Relating to Impact Testing of Sports Surfaces and Equipment

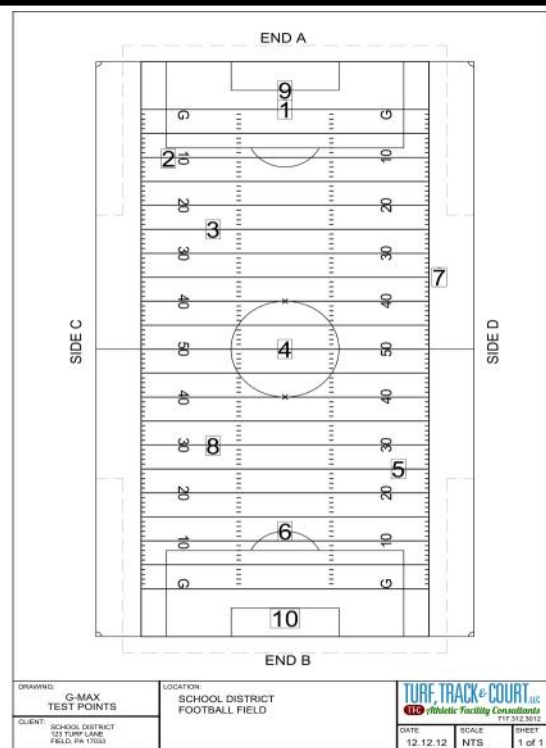
## Testing Units



## Benefits of G-Max Testing

- Verification and Documentation of surface G-Max readings and infill levels are within manufactures specifications.
- Monitoring athletic surfaces to document safe play standards as established by the ASTM.
- Identification of “wear” areas that may require additional maintenance to extend field life.

## Documentation



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