

Product Evaluation

RE: Review of UGT Manhole Elevation Units & INI Prevention

PRODUCT

The UGT Manhole Elevation Units are manufactured by Underground Technologies LLC located in Clinton Twp., Michigan and distributed by Strata Works Canada Ltd located in Kitchener, Ontario.

VENDOR CLAIMS AND INFORMATION

CLAIMS

UGT Manhole Elevation Units are a composite of ultra-high expanded polystyrene and a high chemical, high flex modulus coating. UGT Manhole Elevation Units provides an alternative in elevating manholes for micro-paving and sunken frames. UGT is a leader in bringing technology to manhole and catch basin construction. UGT has developed products which save municipalities money by efficiency and sustainability. Product Web Link: <http://www.ugroundtech.com/>

DESCRIPTION

UGT Manhole Elevation Units are made of Ultra-High Expanded Polystyrene. UGT Manhole Elevation Units molds density is above 4.0 pcf and the elevation rings range from 4.0 to 5.5 pcf.

POTENTIAL USAGE

UGT Manhole Elevation Units are used to elevate manhole and catch basin structures to the appropriate design height. UGT Manhole Elevation Units can also prevent inflow and infiltration.

STANDARDS

AASHTO HS25 - Loading
OPSS 1854 - MATERIAL SPECIFICATION FOR HIGH DENSITY POLYETHYLENE (HDPE) AND EXPANDED POLYSTYRENE (EPS) ADJUSTMENT UNITS FOR MAINTENANCE HOLES, CATCH BASINS, AND VALVE CHAMBERS

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product.

APPLICABLE STANDARDS

The Alberta Transportation Specifications: 2.10, Manholes, Inlets and Catch Basins.

RECOMMENDATIONS:

UGT Manhole Elevation Units be listed as a Proven Product under Alberta Transportation Products List, Manholes, Inlets and Catch Basins – Manhole Risers – Proprietary, based on the information provided.

TRIAL PROJECTS

Town of Cardston
City of Lethbridge

Rishi Adhikari

cc Innovation Evaluation Group – Roger Skirrow
Jim Gavin