

## *Ease Of Installation And Underground Duct Go “Hand-In-Hand”*

**PROJECT:**  
Nottingham

**MECHANICAL  
ENGINEER:**  
Negley Design

**HVAC  
CONTRACTOR:**  
Tower Construction

**PRODUCT  
SELECTION:**  
Blue Duct

### **It's Safe to go back Underground!**

Blue Duct is manufactured from closed cell, High Density Polyethylene (HDPE) and is used in commercial and industrial underground duct systems. Underground systems reduce installation costs, provide more usable space and save energy over traditional overhead duct systems.

Blue Duct differs from other ductwork because it is manufactured with non-toxic food grade plastic that is recyclable and is safe for humans and the environment. The pre-formed ductwork has an internal low friction surface that is resistant to mildew, mold, radon and will not crack under pressure. Blue Duct has an insulation rating of R-10. Blue Duct is waterproof, light-weight, will not corrode, is capable of handling high system pressure and is thermally efficient.

Until the introduction of Blue Duct, the typical materials utilized for underground air systems have been fiberglass (FRP) and PVC coated metal spiral duct. All of these types of systems were a compromise in terms of material cost, corrosion resistance, installation cost and durability. Blue Duct solves all of these concerns with a durable, light-weight, and cost effective system.

The sealing process associated with traditional underground metal or fiberglass duct has always been a problem. It is time consuming, and prone to leakage. Blue Duct systems have been engineered with a patented closure and connecting system (with zero VOC gasketing) to allow installation even in underground environments with high water tables.



*“Even though we had never installed underground duct before, the installation was simple and efficient. Based on this experience with Blue Duct, we both agree that we would like to do another underground job with Pittsburgh Air Systems and Blue Duct.”*

*- Brian Dalbon and Chris Wees  
Tower Construction*