



- NOTES:
1. It is necessary to ensure the minimum dimensions shown are suitable for the existing ground conditions. *Engineering advice may be required.*
 2. A minimum concrete strength of 3000 PSI is recommended. The concrete should be vibrated to eliminate air pockets.
 3. Expansion and crack control joints are recommended to protect the channel and the concrete surround. *Engineering advice may be required.*
 4. Refer to ACO'S latest installation instructions for complete details.

The surface drainage system shall be polymer concrete H100K channel system with a cast-in stainless or galvanized steel rail as manufactured by ACO Polymer Products, Inc., Chardon, Oh.

Cross Footpath Outlet, Inlet and channels will be manufactured from polyester resin polymer concrete.

Cross Footpath Outlet shall be 6 in. (153mm) overall width and 7.9 in. (200mm) overall depth.

Cross Footpath Inlet shall be 5.5 in. (140mm) overall width and 3.9 in. (100mm) overall depth.

The H100K channels shall be 4 inches (100mm) nominal inside width with a 5.2 in. (131mm) overall width and 3.9 in. (100mm) overall depth. All pieces shall be interlocking with a male/female joint.

The complete drainage system shall be by ACO Polymer Products, Inc. Any deviation or partial system design and/or improper installation will void any and all warranties provided by ACO Polymer Products, Inc.

The channel sytem shall be independantly certified to withstand loadings to load class C (DIN19580). Grates shall be secured using 'Quicklok' boltless locking system. Grate and Locking system shall be fully removable from channel.

Polymer Concrete shall have material properties of: compressive strength range between 14,000-14,500 psi; flexural strength between 3600-4500 psi; tensile strength of 1500 psi. The material water absorption rate shall not exceed 0.1 % by weight and shall be resistant to prolonged salt exposure, repetitive frost cycles and chemically resistant to dilute acids and alkalis.

The system shall be installed in accordance with the manufacturer's instructions and recommendations.