



## **BLACK SLUICE INTERNAL DRAINAGE BOARD**

Tel: 01205 361061  
Fax: 01205 360657

72 Carlton Road  
Boston, Lincs, PE21 8PB

### **SPECIFICATION** **FOR WORKS IN A PRIVATELY MAINTAINED WATERCOURSE**

- General:** Pipes shall be laid in a straight line or with a gentle curve within the manufacture tolerance for jointing. Where this is not possible a manhole shall be formed at any change of direction.
- Pipes:** Pipe diameter shall be as specified on the consent. Pipes shall be either concrete (spigot and socket), twinwall plastic or bitumen coated corrugated steel (single wall plastic land drainage pipe is not suitable). A 75mm perforated single wall plastic pipe sheaved in filter cloth should be laid alongside and connected into all manholes/headwalls to take local surface percolation.
- Excavation:** The bed of the drain shall be excavated to remove all soft material.
- Level:** Levels will be specified on the consent. In general pipe inverts shall match any existing pipes being connected to and laid with a fall downstream. If no existing pipes present then the pipe invert shall be 50-100mm below existing hard bed ( i.e. a further 50-100mm after soft material removed)
- Bedding & Backfill:** Pipes shall be laid so that they are in contact with the bedding material throughout its length. The bedding material shall be either granular, sand or the excavation bottom itself if suitably trimmed and levelled and free from extraneous matter that may damage the pipe. Backfill shall be either granular, sand or soil if free from extraneous matter that may damage the pipe and containing no material which may be classed as polluting. **THE PIPES SHALL NOT BE COMPLETELY COVERED OVER UNTIL ONE WEEK AFTER THE BLACK SLUICE IDB HAVE BEEN NOTIFIED FOR INSPECTION** or if approval has been given sooner by the Board for backfilling.
- Headwalls:** Headwalls should be constructed at the pipe end and should have a mesh reinforced concrete base 150mm thick, top level 50mm or more below the pipe invert and extending 600mm beyond the pipe end.
- Manholes:** If the pipe has no free end then at least one manhole shall be constructed on any one property for future inspection (and proof that your length is not causing problems) and for cleansing your piped length. Further manholes may be required as follows: changes in pipe direction, junctions with side pipes, any change in pipe size, and long pipe runs (you will be advised). Manholes shall be of suitable size to allow inspection, rodding and jetting; it is recommended that they have an internal dimension of 1200x900mm or 1200mm diameter on a mesh reinforced concrete base 150mm thick, a reinforced concrete slab cover with an opening 600mm square or diameter with removable lid.
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