

Box Culverts supplied by SWP Concrete Solutions Ltd are designed and produced to meet all the requirements of specifications and standards relating to their end use under carefully controlled manufacturing conditions ensuring a high quality product with inherent durability resulting in minimum maintenance.

SWP Box Culverts are suitable for a wide range of use including culverting of watercourses, attenuation tanks, road crossings, pedestrian and vehicle subways, sea outfalls, evacuation safety tunnels, service tunnels, and pumping station shafts.

The SWP Box Culvert adjustable mould system also allow the manufacture of channel units which can be used for open water courses, service ducts and a wide range of other applications. These channel units can also be supplied with removable precast concrete lids when required.

Where required portal systems can also be manufactured.

The use of SWP Box Culverts enables high flow capacities to be obtained in situations where headroom or maximum construction depth is restricted compared to alternative culverting systems such as pipes or corrugated steel arched systems. Where required the box culvert units can be placed adjacent to each other with only a nominal gap thus maximising the overall flow capacity in the minimum space.

SWP Concrete Solutions Ltd are able to offer a wide range of variations to their standard box culverts including the provision of wing walls, skewed ends, flush ends, openings, end walls, animal crossing ledges, dry weather flow channels, benching, cast in inserts, projecting reinforcement for ancillary works, etc.

SWP Box Culverts are generally supplied with ogee joints as standard enabling a preformed compressible jointing strip to be used between culvert sections to ensure water tightness. If required such jointing materials can be supplied by SWP Concrete Solutions Ltd who can also apply external membrane treatments to the units prior to delivery.

Offering a nationwide delivery service SWP Concrete Solutions Ltd produce box culverts in a range of sizes from 1200mm wide by 800mm deep, for further information, sales advice, or a quotation please contact the company as below:



SWP Concrete Solutions Ltd  
Hillside Farm  
Stogursey,  
Bridgewater  
Somerset  
TA5 1RH

Please email enquiries to:

[info @swpconcrete.co.uk](mailto:info@swpconcrete.co.uk)

## TECHNICAL

SWP Concrete Solutions Ltd work with prospective clients to ensure that at the point of order all relevant specification standards and design requirements have been taken into consideration with respect to the use of the box culverts/channels/portals including, but not limited to, imposed loadings, minimum and maximum depths of fill, exposure conditions, placing considerations, etc.

The company offers a full structural design and detailing service or can manufacture from the clients own design. Advice on choice of section size to suit a particular application is also available if required.

SWP Concrete Solutions Ltd manufactures its box culvert units under carefully controlled factory conditions by experienced personel, adherence to the Company's Quality Assurance procedures is ensured by continuous inspection during the manufacture process.

Whilst not yet able to offer third party certification of the quality system, which the company is working towards, SWP Concrete Solutions Ltd welcomes client inspections prior and during the manufacturing processes. Such inspections have already been carried out by clients including major contractors to their complete satisfaction.

A full Inspection and Test Plan for all the units manufactured is provided.

## DELIVERY AND OFFLOADING

SWP Concrete Solutions Ltd will agree with their client/contractor the delivery sequence, place and approximate time of delivery enabling safe load deliveries.

It is the responsibility of the client/contractor to provide suitable hard standing and access for the delivery vehicles from a Local Authority road to where the units will be offloaded.

It is the responsibility of the client/contractor to provide suitable craneage of adequate capacity to undertake the offloading and placing operation.

## INSTALLATION

The box culverts are generally installed on a 200mm bed of compacted granular material. It is the responsibility of the client/contractor to ensure that the method of installation is appropriate and can be carried out in a safe manner. SWP Concrete Solutions Ltd are able to offer advice on installation methods.

## **Why SWP Box Culverts? – Experience counts.....**



**Jason Barrow**, Director and co-owner of SWP Concrete Solutions has over 20years experience and responsibility for the manufacture and delivery of precast concrete box culverts worth in excess of £60million. Whether it be a one off culvert unit or a long run of units Jason's knowledge and experience can help to ensure a successful project.

