

Introduction

SHAW PIPE manufactures a variety of precast lift station configurations to suit project requirements, ranging from small capacity pump chambers using 1200mm manhole sections, to large volume lift stations using 3660mm x 3660mm rectangular box sections.

A **SHAW PIPE** precast concrete lift station is a high quality, low maintenance structure, produced to project specifications in a controlled plant environment to ensure a durable and economic product. Precast elements can be designed to meet almost any configuration required for the project. On-site installation will be quicker and easier, allowing equipment installation and commissioning of the system sooner than cast-in-place designs.

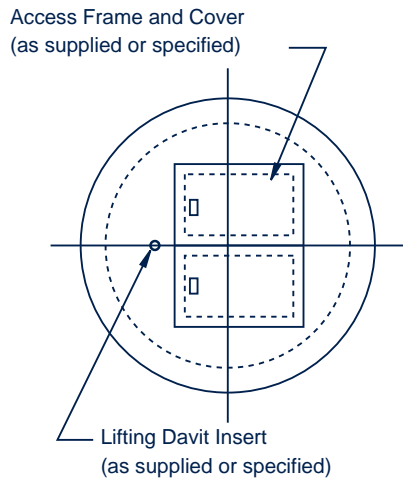
Lift stations units can be fabricated using standard manhole sections, standard box culvert sections, or utility vault sections. Interior walls, baffles, and balconies can be cast into the standard sections where design requirements call for such. Access hatches, lifting davit sockets and vent stacks can be cast into the concrete covers to match design needs.

Pipe openings are cast into the lift station sections to suit the pipe configurations, utilizing either A-Lok gaskets, Link-Seal connections or grouted openings. Other connection types are available upon request.

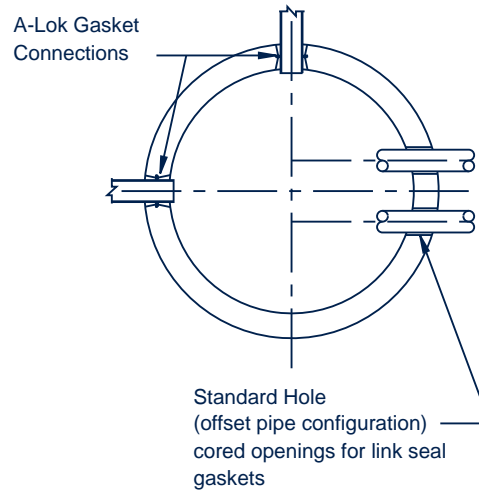
Our design team is available to provide assistance with your project needs, and discuss possible options and their feasibility.

TYPICAL LIFT STATION CONFIGURATION FOR LARGE DIAMETER MANHOLE SECTIONS

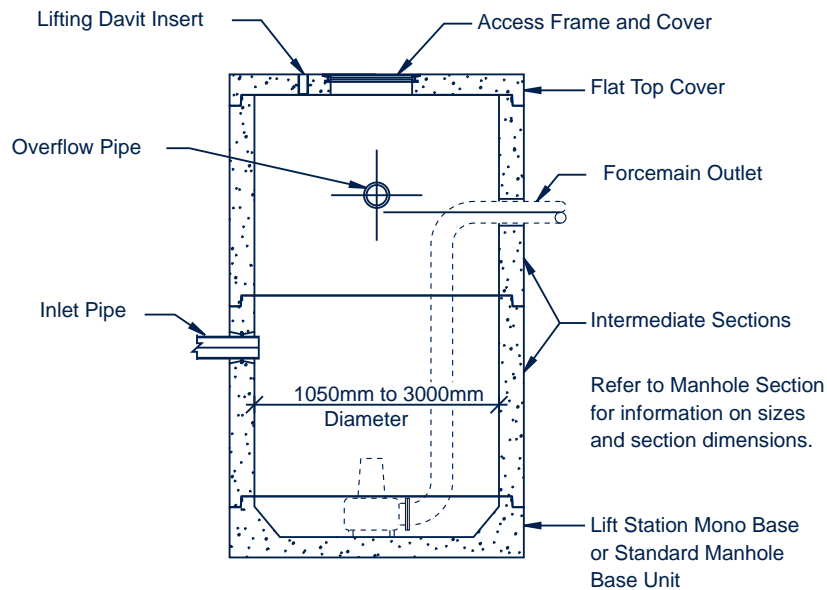
TYPICAL COVER LAYOUT



TYPICAL PIPING LAYOUT

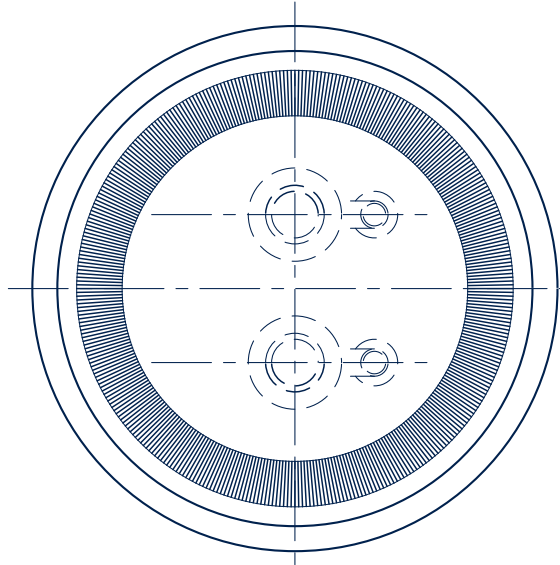


TYPICAL SECTION

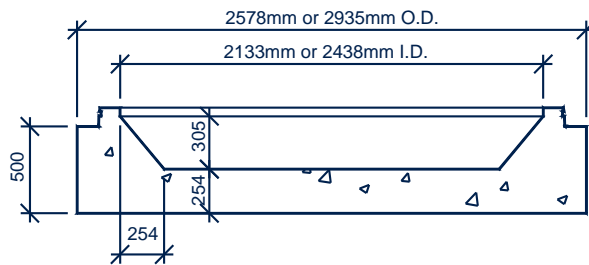


**2100mm, 2400mm & 3000mm DIAMETER
LIFT STATION MONO BASE**

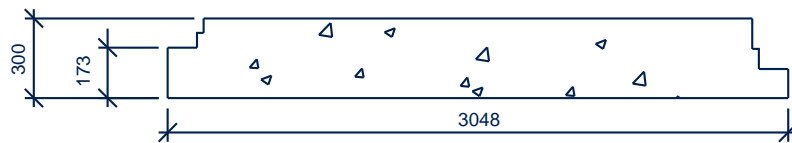
✓ TYPICAL PLAN VIEW



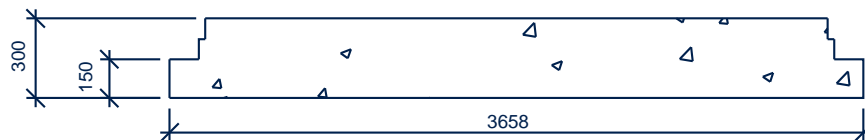
✓ TYPICAL SECTION
QPB 500 MONO
RPB 500 MONO



✓ TYPICAL SECTION
QBS 300



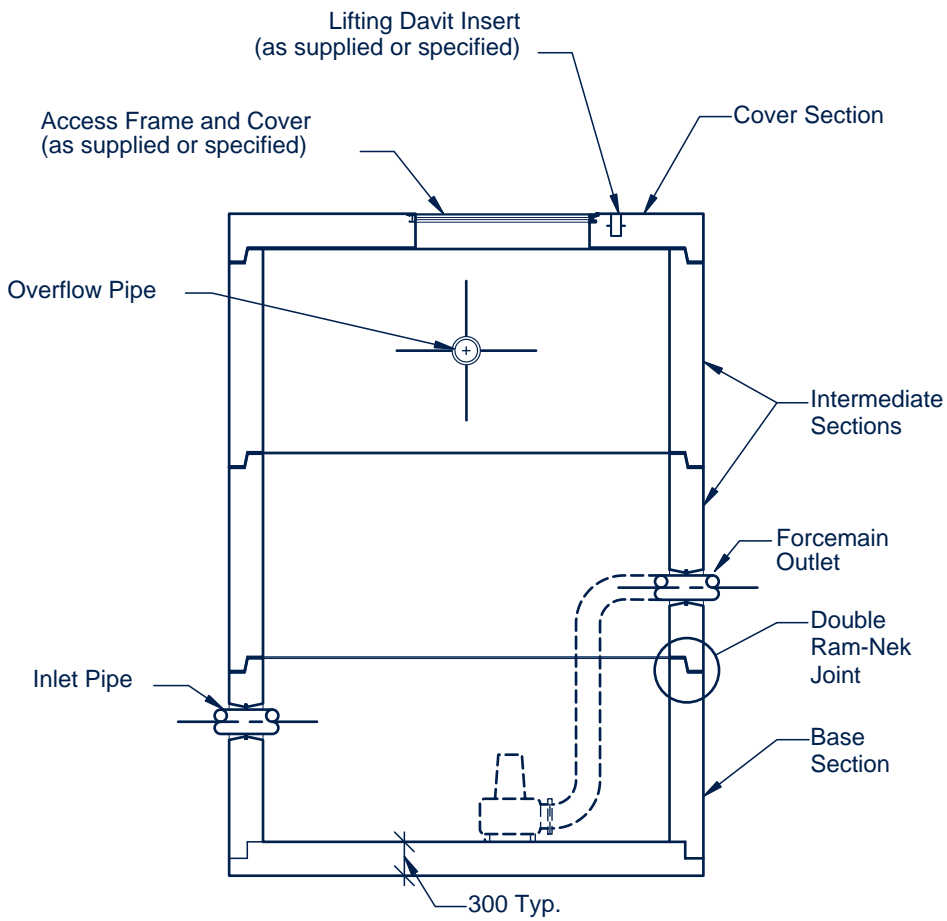
✓ TYPICAL SECTION
TBS 300



LIFT STATIONS

TYPICAL LIFT STATION CONFIGURATION UTILIZING BOX CULVERT SECTIONS

TYPICAL SECTION

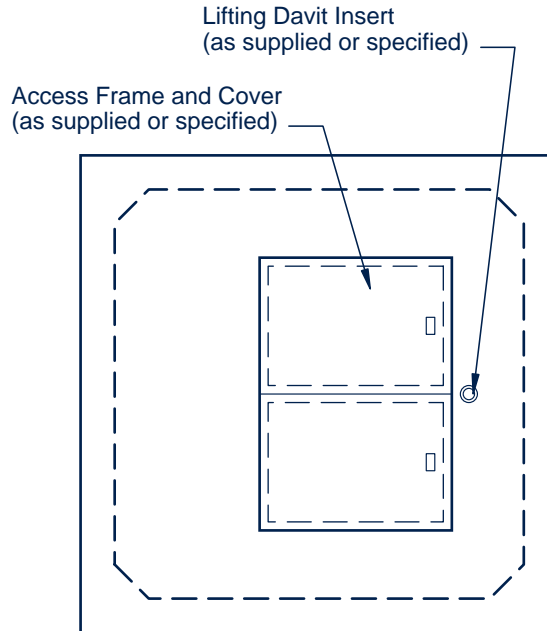


Refer to the Box Culvert Section for standard sizes available.

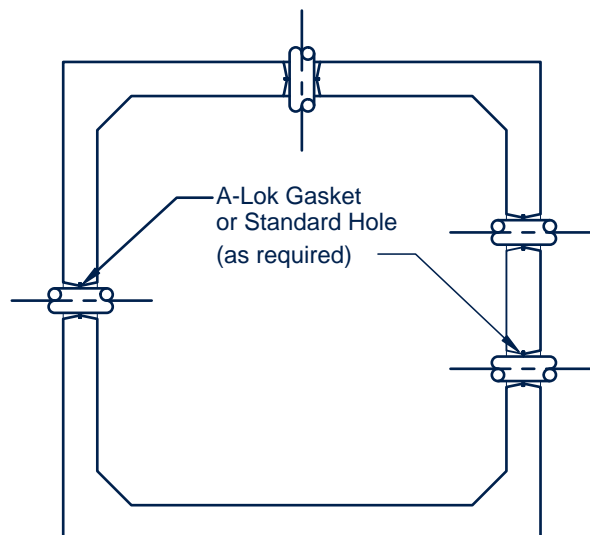
LIFT STATIONS

TYPICAL LIFT STATION CONFIGURATION UTILIZING BOX CULVERT SECTIONS

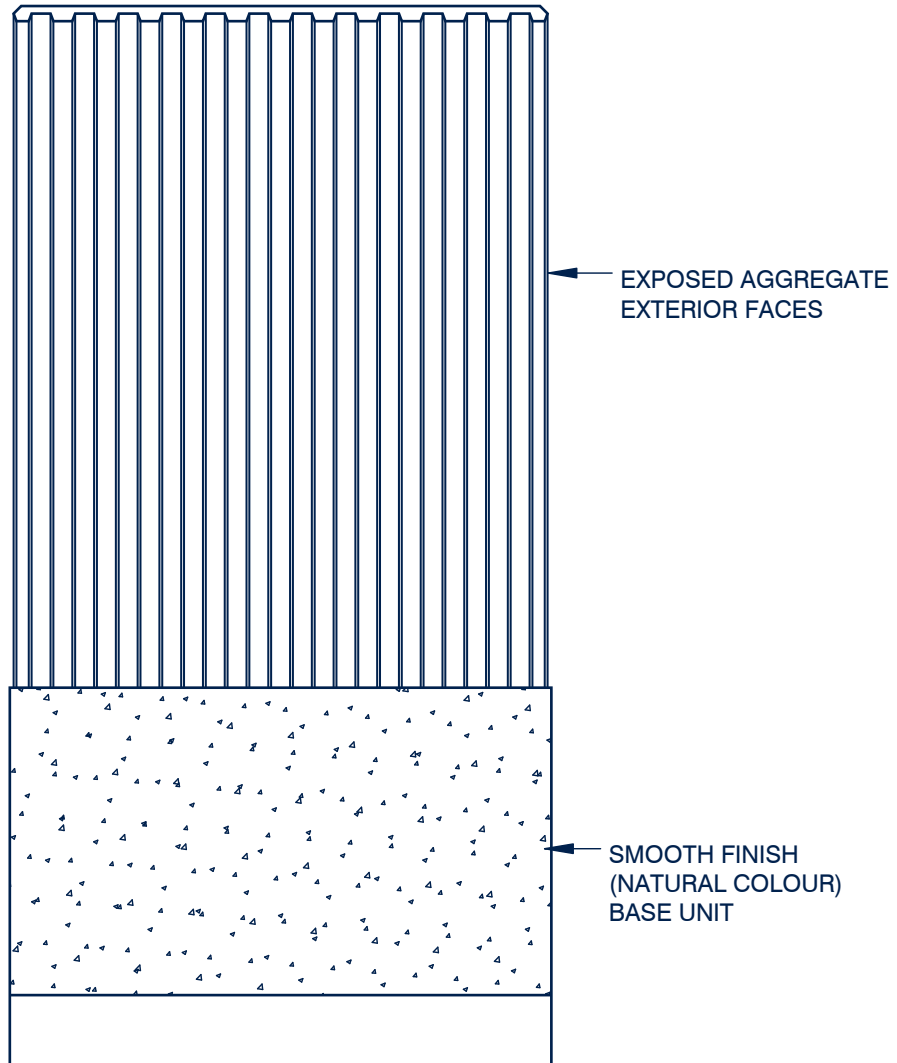
TYPICAL COVER LAYOUT



TYPICAL PIPING LAYOUT



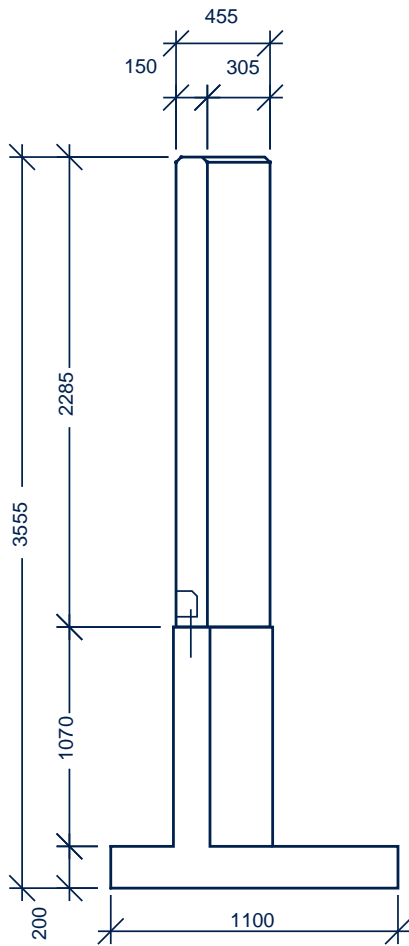
SHAW 097 CONTROL MOUNTING STRUCTURE



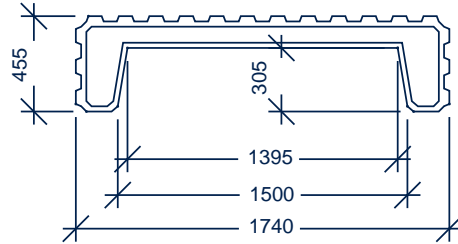
NOTE
MOUNTING STRUCTURES ARE DELIVERED IN SEPARATE
PIECES FOR ASSEMBLY ON SITE.

SHAW 097 CONTROL MOUNTING STRUCTURE

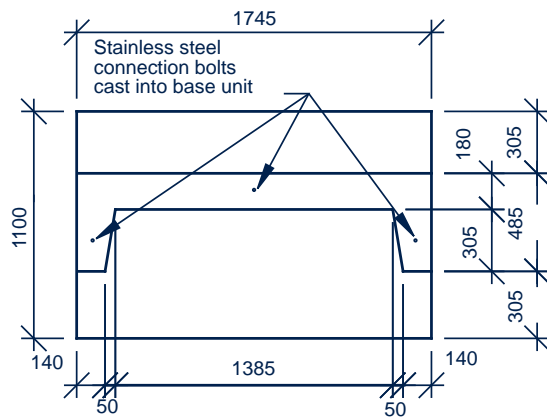
PROFILE VIEW PANEL UNIT



PLAN VIEW PANEL UNIT



PLAN VIEW BASE UNIT



OPTIONAL PANEL CAP



