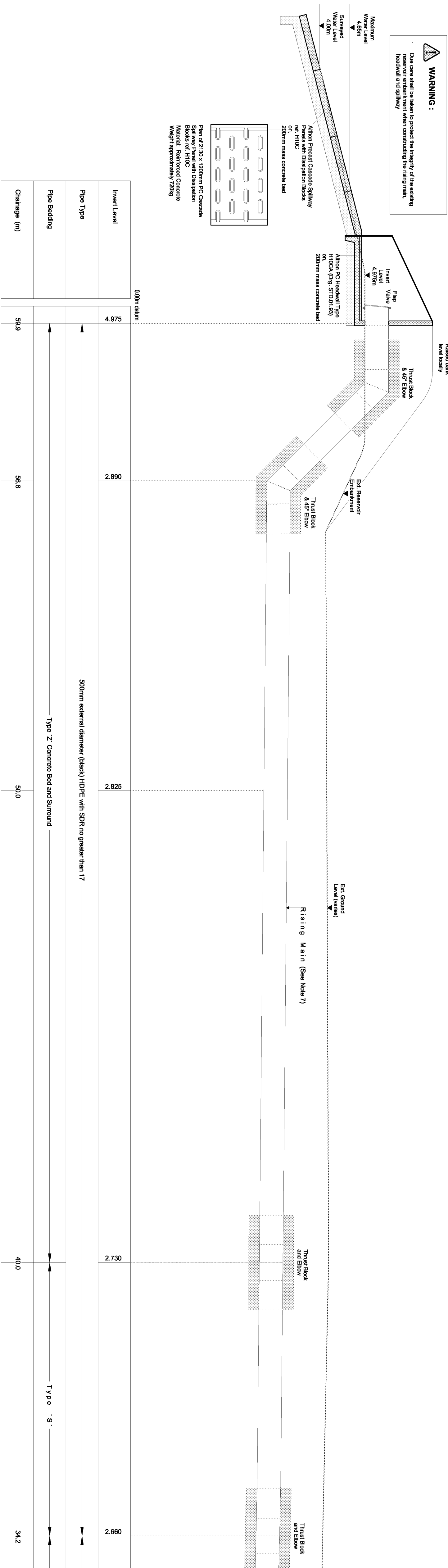
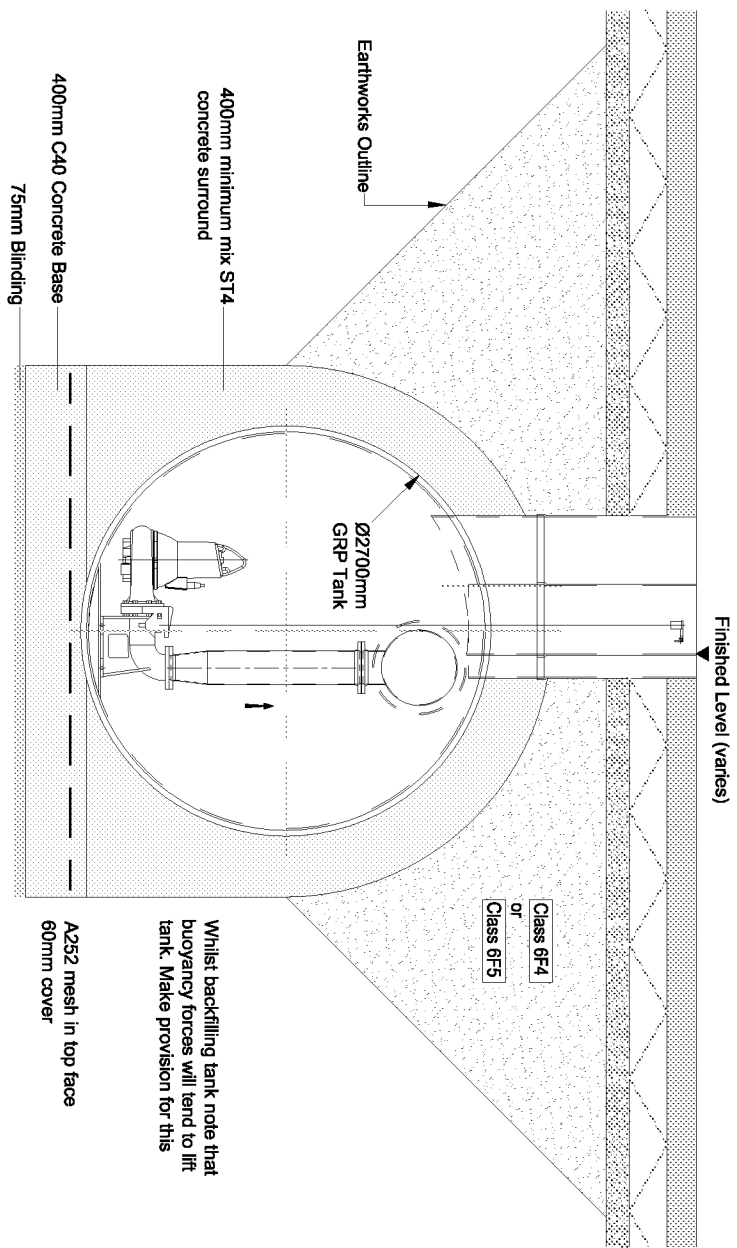
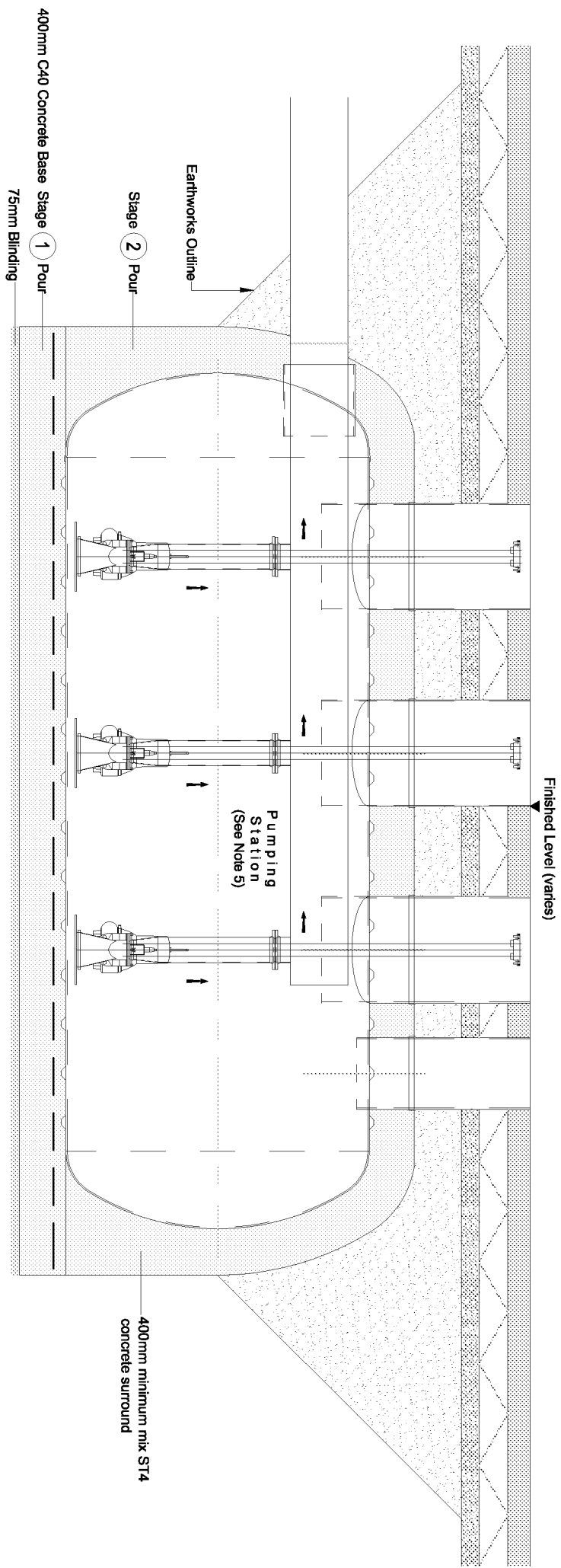
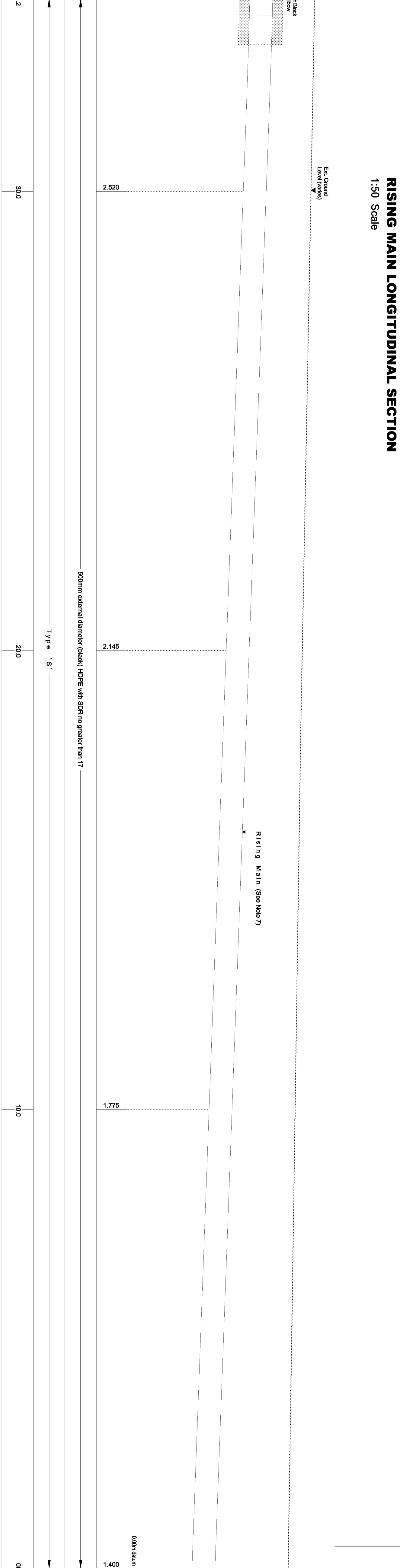




CONTINUED BELOW



PUMPING STATION

Typical Long Section Scale 1:50

The Contractor shall ensure that there is a watertight interface between the Stage 1 and Stage 2 pours. The tank surround is intended to prevent deformation from hydrostatic pressure and resist flotation

PUMPING STATION

Typical Cross Section Scale 1:50

NOTES

NOTES

- 1 This drawing shall be read in conjunction with all relevant Architects and Engineers drawings and specifications.
- 2 Dimensions and in metres unless noted otherwise.
- 3 Original topographic survey undertaken by Shaw Colquhoun.
For all topographic survey information see Shaw Colquhoun drawing No. 10417-7P
All levels based on Ordnance Survey by GPS.
- 4 Before excavation commences, the contractor shall ascertain the depths, sizes and locations of all services to be crossed. Any conflicts in levels between new works and existing services shall be notified to the Engineer and client.

5. Pump/Tank shall be by Sulzer Water Pumping System.
- Pumps/Tank shall be for Spillage (Flt. 01749.46/87) or equivalent, and shall be in accordance with the following:
- Chamber : 2.7m (9ft) (O.D.) x 4.0m (13ft), 36,400 lbs GRP tank, three pump
 - Impeller : 30" stainless steel
 - Shaft : 30" stainless steel, with 400mm minimum IKS shaft protect surround.
 - Motor : 150HP, 3 phase, 480V, 100% efficiency
 - Arrangement : Duct / Weir / Weir
 - Electric Supply : 3 Phase
 - Local Controls : Frost Switches
- All Pumps shall be switched to operate at least once per week.
- High Level Alarm, Relatively and Operating Manual shall be provided.
- Alarm and Control Panel positions shall be confirmed by the Architect and Engineer.
- Manufacturer's name, model and specification shall be to be attached.
- Site Data Sheet: 06270303
- Inventory and loading pipe orientation and sizes shall be noted.
- The Contractor shall install and commission the pumping station, and shall confirm day flow through a witnessed flow down test, and report said Control Administrator.
- Project of station shall include maintenance manuals, lifting aids, manuals and accessories, and 1 spare maintenance item of each of substantial component purposes only.
- Endurances shall be noted, it is for measurement purposes only.
- Site selected pumps are required for the HDPE fitting main. The flap valve shall also be size welded to the fitting main.

OUTSTANDING DESIGN ITEMS:

- Thrust block design.