

DO NOT SCALE DRAWING

	NOTES:		
	All dimensions in mm		
	All measurements ± 1mm		
	Specification Information		
	Opening in back wall cast to suit outside diameter of the pipework		
	Invert level of pipe can be set to your specification		
	Headwall Installation		
	Units should be bedded on minimum 200mm thick well compacted Class 6A* selected		
	*Manual of contract documents for Highway Works: Volume (MCHW1) specification for		
	Highway Works, Series 600 (Nov.09).		
	Sit the headwall level or with a slight fall 1:50 from pipe to spill mouth.		
	Handling		
	A. Weight of concrete is based on 2.4 tonne/m ³ +5% is recommended for sizing lifting equipment		
	B. All lifting points shall be used as specified below		
	C. Unit to be lifted as per lifting diagram		
	Concrete		
	A. Mix ref: Self-compacting DC4/DS4 Mix		
	 Lifting strength based on 2 cubes = 20N/mm² Characteristic 28 day cube strength = 50N/mm² 		
	D. Concrete provides Design Chemical Class 4 (DC4) to special Digest 1, Table F2.		
	Reinforcement		
	A. Reinforcement to BS EN 13369		
	B. Scheduling, dimensioning, bending & cutting to BS8666		
	Manufacture		
	A. INIGHTIGCTURE TO BS EN 15258:2008 precast concrete products - Retaining wall elements, Factory Production Control certificate number: 0086-CPR-650448 & BS		
	EN 13369		
	B. Tolerances to BS EN 13369 clause 4.3.1.1 C. Finishing:		
	Top Sides Base Rear of back wall		
	Class A A A Self-Levelled		
	Mould reference code		
	De-mould date		
	 Job reference number & unique product number Unit weight (kg) 		
	Design		
	 B. Althon have designed the concrete units only, the site conditions should be 		
	assessed for suitability by the scheme designer		
	 Units are designed to withstand a vertical live load surcharge of 10kN/M² Weight of soil = 18kN/M² 		
	E. Angle of internal friction = 30 Deg.		
	F. Design Life: >100 years		
	Min Cover Block Min Cover Max Cover Size (mm) Size (mm) Size (mm)		
	All Faces 55 50 60		
	Exposure Exposure induced Corrosion induced Freeze/thaw Chemical Classification by Carbonation by Chloride attack attack		
	All Faces XC3/4 XD3 XF4 XA3		
	Fabrication Specification		
	A. Manufacture IAW EN 1090-2 EXC CLASS 1		
	 Material grade is to be: BS EN 10025 S275 Welding carried out IAW EN 1090-2 PARA 7.5.4 - 7.5.18 		
	D. All fillet and butt welds to have a minimum throat thickness of 6mm & joints to be		
	fully welded where possible.		
	 Ensure vertical hats are fully welded both sides where possible. F. All sharp edges and burrs are to be removed. 		
	G. Remove all weld splatter.		
	 ноies by punching are permitted with reaming. Galvanising is carried out after fabrication to BS EN-ISO 1461 		
	Handrail Specification		
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