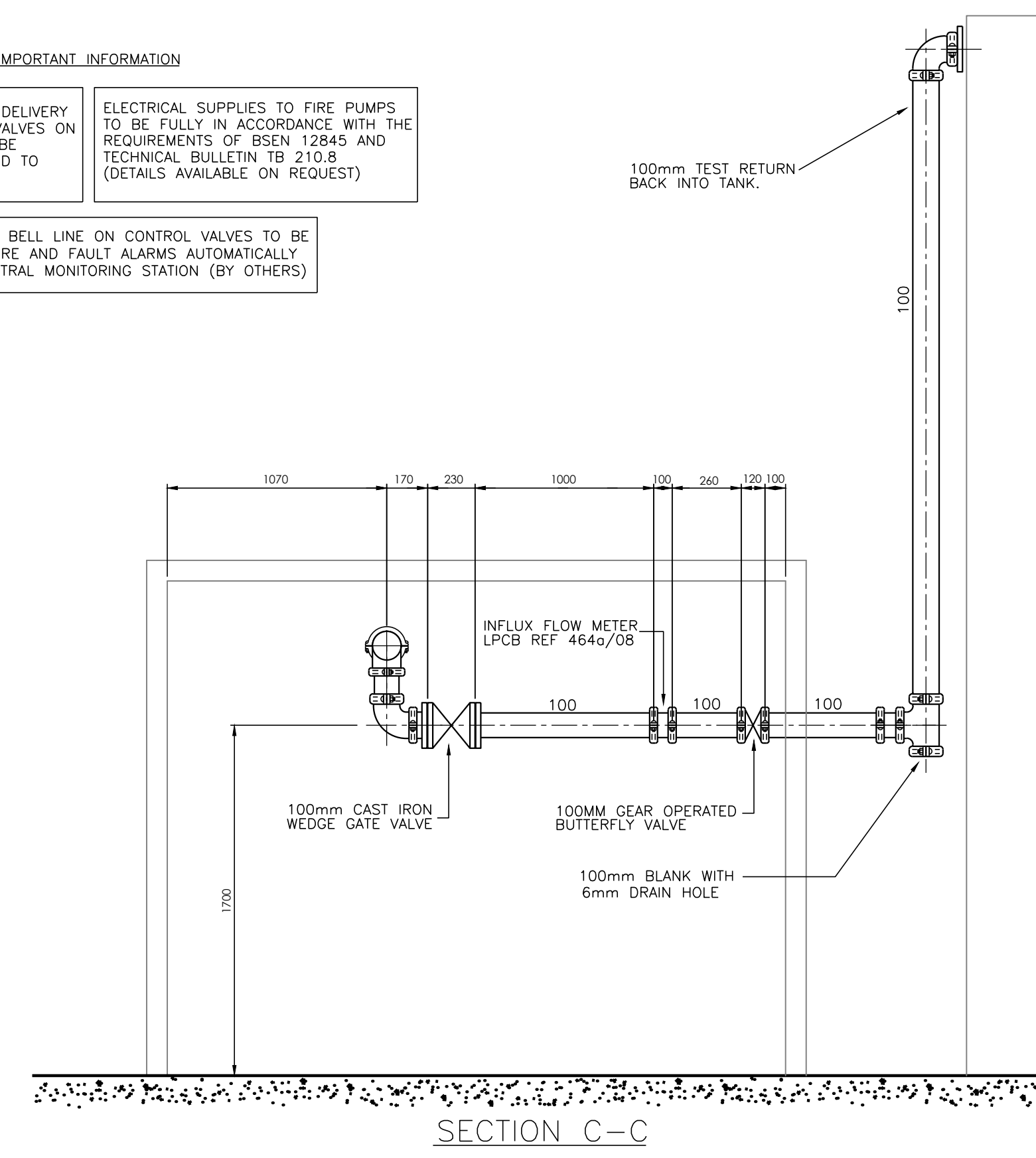
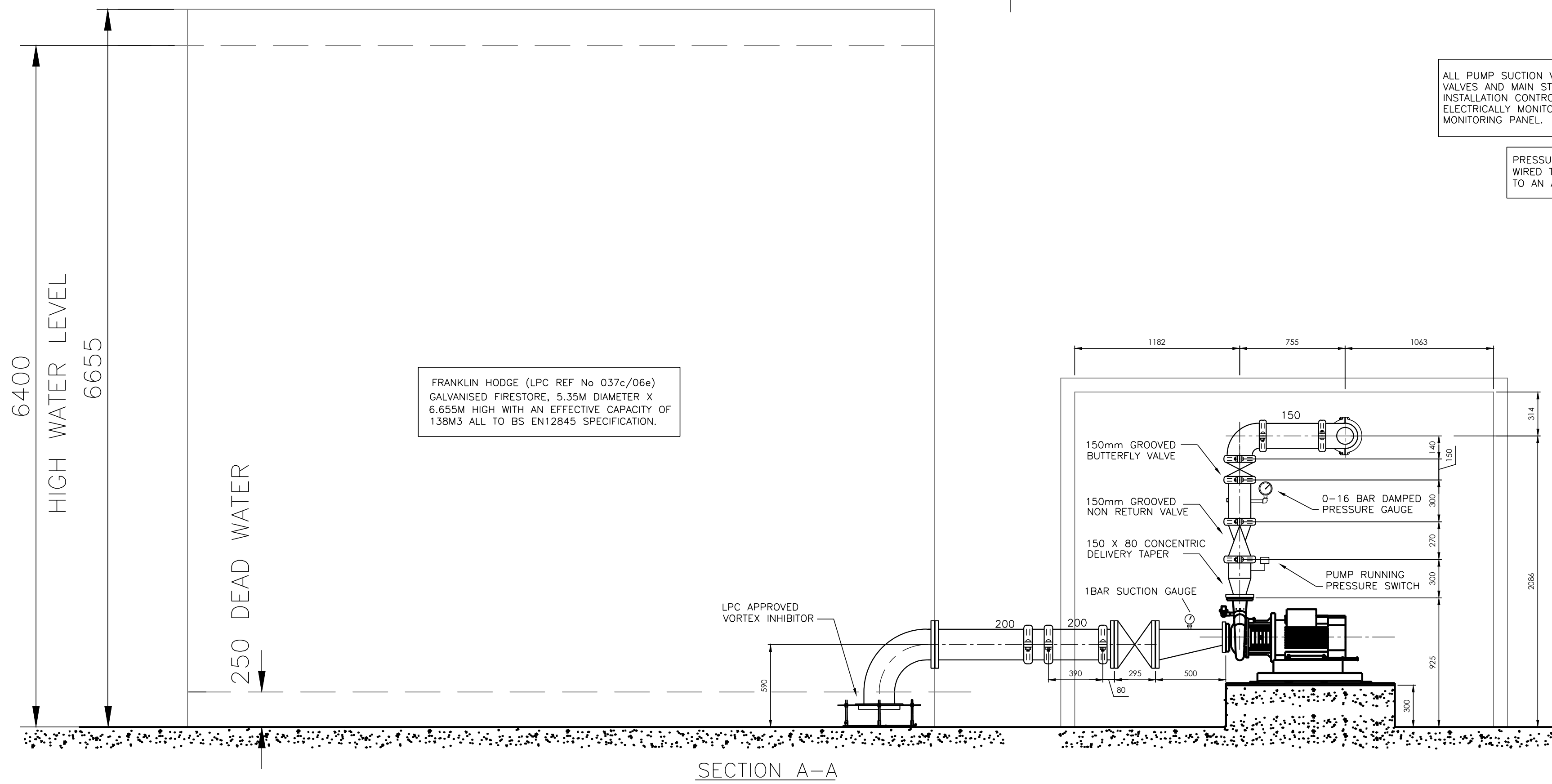
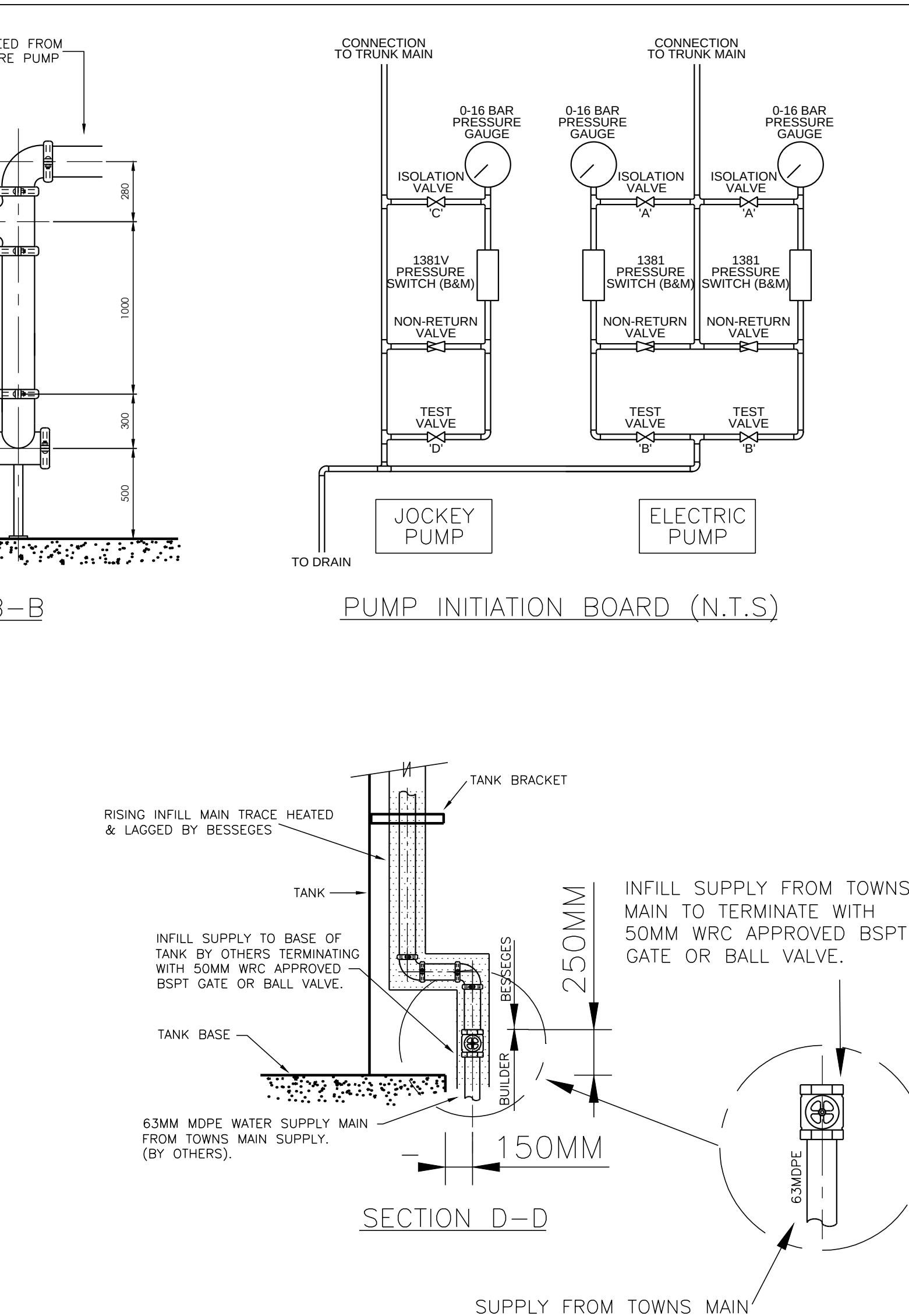




WARNING CONTROLS, PROJECTORS, SPRAYERS AND SPRINKLERS MUST NOT BE PAINTED.									
TO THE ERECTOR SPRINKLER PIPES MUST BE LAID TO THE FOLLOWING MINIMUM SLOPES:- WET PIPE SYSTEMS: 2mm IN 1 METRE DRY AND ALTERNATE WET PIPE SYSTEMS PIPE DIAMETER 50mm AND ABOVE - 4mm IN 1 METRE PIPE DIAMETER LESS THAN 50mm - 12mm IN 1 METRE									
TO THE CLIENT BESSEGES LTD DO NOT ACCEPT ANY RESPONSIBILITY FOR DAMAGE CAUSED BY FROST. CLIENTS SHOULD TAKE ADEQUATE PRECAUTIONS AGAINST THE WATER IN THE VALVES & PIPEWORK ABOVE & BELOW THE VALVES FREEZING. HOLES IN WALLS, PARTITIONS, & CEILINGS THROUGH WHICH PIPES PASS MUST NOT BE FILLED IN WITH MATERIALS WHICH HAVE A DELETERIOUS EFFECT. CONTROL VALVES SHOULD NOT BE SUBJECTED TO A TEMPERATURE ABOVE 65°C. PIPES, SCAFFOLDING OR ANY OTHER ITEMS OF PLANT MUST NOT BE ATTACHED TO OR SUPPORTED FROM ANY PART OF THE FIRE PROTECTION EQUIPMENT. BESSEGES LTD DO NOT ACCEPT RESPONSIBILITY FOR DESIGN & CONSTRUCTION OF THURST BLOCKS OR ANCHOR POINTS FOR UNDERGROUND MAINS. SUITABLE DRAINAGE FACILITIES MUST BE PROVIDED BY CLIENTS AT TEST VALVE & OTHER LOCATIONS TO ACCEPT PERIODIC TEST DISCHARGES.									
1 BRACKET REGULATIONS FOR ERECTION									
UP TO 250MM				4.0m		MAX SPACINGS			
65MM - 50MM				6.0m		MAX SPACINGS*			
*PROVIDED TWO INDEPENDENT SUPPORTS ARE FITTED DIRECTLY TO THE STRUCTURE. AND A SUPPORT IS USED WHICH IS CAPABLE OF BEARING A LOAD 50% GREATER THAN THAT CALLED FOR IN TABLE 40 OF EN12845.									
2 WHERE GROOVED MECHANICAL JOINTS ARE USED THE FOLLOWING MUST BE ADHERED TO:- THERE SHALL BE AT LEAST ONE PIPE SUPPORT WITHIN 1.0M OF EACH JOINT. THERE SHALL BE AT LEAST ONE INDEPENDENT PIPE SUPPORT ON EACH PIPE.									
3 THE MINIMUM DISTANCE BETWEEN ANY UPRIGHT SPRINKLER AND PIPE SUPPORT IS 150MM.									
4 THE DISTANCE FROM THE LAST PIPE SUPPORT TO THE END OF THE RANGE PIPE SHALL NOT EXCEED THE FOLLOWING:- 900MM FOR 25MM PIPING & 1200MM FOR PIPING GREATER THAN 25MM.									
DESIGN SPECIFICATION BS EN12845 LFC RULES									
WATER SUPPLIES – EQUIPMENT SCHEDULE									
ARMSTRONG ELECTRICALLY DRIVEN FIRE PUMP 1									
PUMP DUTY:		2250L/MIN @ 1.4 BAR							
PUMP MODEL NUMBER		4X3X8.5 -15.0KW							
SERIAL NUMBER		TBC							
ARMSTRONG JOCKEY PUMP									
PUMP MODEL NUMBER		VMS2-9B 0.75KW							
SERIAL NUMBER		TBC							
FRANKLIN HODGE SPRINKLER TANK									
EFFECTIVE CAPACITY		138M3 (FULL CAPACITY)							
MIN RATE OF INFILL REQUIRED		62.50 LITRES/MIN							
INSTALLATION CONTROL VALVES		150MM RAPIDROP MODEL E							
No1 INSTALLATION ALARM VALVE SERIAL No		T.B.A							
STATEMENT OF PRESSURE LOSSES BETWEEN DESIGN POINT & UNIT ZONE VALVE									
DESIGN POINT	PIPE DIAMETER (MM)	PIPE LENGTH (M)	No OF JUNCTION VALVES	TYPES OF TURNS / VALVES	EQUIV PIPE LENGTH (M) / TURNS / VALVES	TOTAL EQUIV PIPE LENGTH	PRESSURE LOSS (mbs)		
ZONE		SPRINKLER HEADS		FUSING TEMP		CONSTRUCTION			
		NO. OFF	TYPE						
REVISION	DETAILS				DRAWN BY	CHECKED BY	DATE		
P1	PRELIMINARY DESIGN PROPOSALS				KD	MW	9.02.22		
BESSEGAS LTD (FIRE ENGINEERING DIVISION)									
DUKINFIELD, CHESHIRE.							0161-308-3252		
 Assessed to ISO 9001 Certificate No 971		L.P.C.B CERTIFIED INSTALLERS				 Approved Sprinkler Contractors Certificate No ASC-041			
AUTOMATIC SPRINKLER PROTECTION									
PROJECT									
HOME BARGAINS STORE PENTREBACH RETAIL PARK MERTHYR TYDFIL									
TITLE									
SPRINKLER SYSTEM WATER SUPPLIES									
DRAWING NUMBER	REVISION		DRAWN BY		K. DAVENPORT				
A1.PH.C.14227.01	P1		SCALE		1-25 (A1)				
			DATE		9.02.2022				