

**Deephams Sewage Works Upgrade: Schedule of proposed buildings and structures**

Figure numbers refer to items of the plant illustrated on Site Layout Plan: A630-AMK-000-00-SHT-P-00601 Rev C (Planning Application Drawing Reference A630-AMK-105)

Proposed Building, structure or process item (number refers to item on Site Layout Plan A630-AMK-105 Rev C)		Construction Phase	Dimensions (metres) All dimensions listed are external			Colours and Materials	See Planning Application Drawing Numbers for details	
			Length	Width	Height			
101	Aeration Lanes with IFAS System (STREAM B)	3	106.7m	51.4m	3.2m to top of wall 4.3m incl handrail 4.6m incl odour control covers	Fair Finish Concrete Structure Handrail: Galvanised steel	A630-AMK-157 A630-AMK-158 A630-AMK-159 A630-AMK-160 A630-AMK-161	
102	High Voltage Switch Room	2	20.4m	4.4m	Approx. 3.85m	Walls: Brick Built Doors: Level 3 security external double doors (outwards opening), colour signal blue. Access: One end accessible via stairs and opposite end via access slope.	A630-AMK-130	
103	Control Room	2	23.5m	11.6m	4.35m	Walls: GRP cladded wall panels. Roof: GRP with roof lights Handrail: Galvanised steel Doors: UPVC Windows: UPVC	A630-AMK-131	
104 & 106	Odour Control Covers	Inlet Works Tottenham Low Level Inlet Works	2	Various to fit existing channels	Various to fit existing channels	0.3m above existing walls	Steel – Grey Moonstone	A630-AMK-112
105	Inlet Works Odour Control Unit (OCU)	2	21.5m	10m	12.75m maximum height 10m stack height	External Tank Surfaces and Pipework: Colour – Grey (Moonstone) RAL 7035	A630-AMK-116	

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107	Tottenham Low Level Odour Control Unit (OCU)	2	21.5m	10m	12.75m maximum height 5m stack height	External Tank Surfaces and Pipework: Colour – Grey (Moonstone) RAL 7035	A630-AMK-116	
108	CHP	HV Kiosk	5	17m	5.5m	4.5m	HV & LV Kiosk: External Building Materials, Walls & Roof: Coated steel sheet. Colour – Grey (Moonstone) RAL 7035 Exterior Doors: Painted Steel Colour – Grey (Moonstone) RAL 7035. Facia, Gutters and Louvres to match walls and roof.	A630-AMK-175
		LV Kiosk	2	17m	4.3m	3.5m		
	CHP Units (x2)	2	17m	3.5m	4.1m	2 x CHP Units attached to exhaust stack by pipes from heat exchangers and through coolers.	A630-AMK-175	
	Exhaust Stack	2	N/A	6.2m Ø	14.9m	Colour – Grey (Moonstone) RAL 7035	A630-AMK-175	
109	New Odour Control Covers to 4 No Existing Secondary Digesters	5	N/A	6.3m Ø	1.10m	Steel – Grey Moonstone	A630-AMK-178	
110 & 111	PSTs converted to storm tanks (STREAM C)	4	64.8m	47.1m	0.7m to top of wall 1.8m incl handrail [GL varies]	Fair Finish Concrete Structure Handrail: Galvanised steel	A630-AMK-170 A630-AMK-171	
112	Primary Settlement Tanks (PSTs) with Odour Control Covers (STREAM B)	3	96.4m	68.0m	4.55m to top of wall 5.65m incl handrail 5.65m inc odour control covers	Fair Finish Concrete Structure Handrail: Galvanised steel Grey Glass reinforced Plastic (GRP) covers to contain odour.	A630-AMK-153 A630-AMK-154 A630-AMK-155 A630-AMK-156	

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113	FST MCC Kiosk	2	26.0m	4.3m	3.4m	External Building Materials Walls and Roof: Coated steel sheet. Colour – Grey (Moonstone) RAL 7035. Exterior Doors: Painted Steel Colour – Grey (Moonstone) RAL 7035. Facia, gutters & Louvres to match walls and roof.	A630-AMK-150
114	Final Effluent Channel	2	183.5m	2.1m	2.0m – 2.8m (variable height)	Fair Finish Concrete Structure Concrete Segments Handrail: Galvanised steel (AMK)	A630-AMK-148
	Connection Chambers (x2)	2	4.7m	3.3m	2.7m incl handrail	Fair finish concrete to vertical surfaces. Trowelled finish concrete to horizontal surfaces. Handrails & Staircases: Galvanised Steel	A630-AMK-148
115	Final Settlement Tanks (FSTs) 7 – 10 (STREAM B)	3	N/A	47.8m Ø	2m to top of wall 3.1m incl handrail 4.56m max height	Fair Finish Concrete Structure Handrail: Galvanised steel	A630-AMK-162 A630-AMK-163
116	RAS / SAS Pumping Station	2 and 3	38.1m	12.12m	10.1m roof height 11.2m incl handrail [GL varies]	Walls: coated steel profiled sheet, grey (moonstone) Roof: Brown/Green system including a grass and plants surfacing. Doors & Roller Shutters: signal blue painted steel. Fascia Gutters & Louvres: to match walls and roof	A630-AMK-144 A630-AMK-145 A630-AMK-165 A630-AMK-166

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117	Flow Splitter Chamber FS2	2	18.4m	18.8m	2.8m top of wall 3.9m incl handrail	Fair Finish Concrete Structure Handrail and stairs: Galvanised steel	A630-AMK-141 A630-AMK-142 A630-AMK-143
118	Final Settlement Tanks (FSTs) 5 & 6 (STREAM A)	2	N/A	47.8m Ø	2m to top of wall 3.1m incl handrail 4.56m max height	Fair Finish Concrete Structure Handrail and stairs: Galvanised steel	A630-AMK-126 A630-AMK-129
119	Final Settlement Tanks (FSTs) 1 – 4 (STREAM A)	2	N/A	47.8m Ø	2m to top of wall 3.1m incl handrail 4.56m max height	Fair Finish Concrete Structure Handrail and stairs: Galvanised steel	A630-AMK-125 A630-AMK-128
120	Aeration Lanes with IFAS System (STREAM A)	2	106.7m	102.65m	3.2m to top of wall 4.3m incl handrail 4.6m incl odour control covers	Fair Finish Concrete Structure Handrail: Galvanised steel	A630-AMK-121 A630-AMK-122 A630-AMK-123 A630-AMK-124
121	Flow Splitter Chamber FS1	2	18m	18m	4m to top of wall 5.1m incl handrail	Fair Finish Concrete Structure Handrail: Galvanised steel Floor: Steel Flooring Mesh	A630-AMK-140
122	Stream A and B Odour Control Unit (OCU)	2	21.5m	10m	12.75m maximum height 10m stack height	External Tank Surfaces and Pipework: Colour – Grey (Moonstone) RAL 7035	A630-AMK-116
123	PST Sludge Storage Tanks (x2) and pumping station	3	22.8m slab	10.0m slab 7.9m Ø tanks	8.8m max tank height	Storage Tanks: Glass Coated Steel External Pump Surfaces and Pipework: Colour – Grey (Moonstone) RAL 7035	A630-AMK-167

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124	FTFT pumping station, Blower House & MCC Room	2	37.9m	31.8m	11.3m maximum height 12.4m incl handrail	Walls: Coated steel profiled sheet, grey (moonstone) Roof: Brown/Green system including a grass and plants surfacing. Doors & Roller Shutters: signal blue painted steel. Fascia Gutters & Louvres: to match walls and roof	A630-AMK-133 A630-AMK-134 A630-AMK-135 A630-AMK-136 A630-AMK-137 A630-AMK-138 A630-AMK-139
125	Primary Settlement Tanks (PSTs) with Odour Control Covers (STREAM A)	2	97.0m	67.7m	4.55m to top of wall 5.65m incl handrail 5.65m (with odour control covers)	Fair Finish Concrete Structure Handrail: Galvanised steel Grey Glass reinforced Plastic (GRP) covers to contain odour.	A630-AMK-117 A630-AMK-118 A630-AMK-119 A630-AMK-120
			Typical internal lane size 60m x 13m				
126	Power Generators with set up Transformers	2	11m	15m	3m	External Surfaces: Colour – Grey (Moonstone) RAL 7035	A630-AMK-105
127	PST Inlet channel	2	60m	2.8m	4.55m to top of wall 5.6m incl handrail	Fair Finish Concrete Structure Handrail: Galvanised steel Grey Glass reinforced Plastic (GRP) covers to contain odour.	A630-AMK-132
	Flash mixing channel	2	12.7m	2.9m	6.2m max height, incl handrail		
129	Education Centre (Refurbished existing Building)	5	24.2m	10.6m	4.8m	Roofing: Existing Concrete Tiles Exterior Walls: Existing brick	A630-AMK-177
130	Strain presses	5	6.2m	2.5m	5.5m	External Surfaces: Colour – Grey (Moonstone) RAL 7035	A630-AMK-176

#### ADDITIONAL PROPOSED STRUCTURES

Above and below ground pipework, ducting and channels

Internal site access roads, hardstandings and car parking areas  
Lighting units  
Parking/ Storage Area