



1 Pipe Extents Wilkins Service Yard & Tunnels

- NOTES**
1. THIS IS A PRE APPLICATION INFORMATION DRAWING AND SHALL NOT BE USED FOR CONSTRUCTION OR INSTALLATION PURPOSES.
 2. DO NOT SCALE OFF THIS DRAWING.
 3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMPLETING SHOP DRAWINGS AND SETTING OUT WORK
 4. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE TECHNICAL SPECIFICATION AND ASSOCIATED EQUIPMENT SCHEDULES.

LEGEND:
 SPRINKLER PIPEWORK

Revision				
Rev	Date	Description	Chk'd	App'd
T1	09.07.20	TENDER ISSUE	SD	SD

Client



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Project
**UNIVERSITY COLLEGE LONDON
 SLADE SCHOOL OF ART
 SPRINKLER INSTALLATION**

Drawing
**SPRINKLER PIPE EXTENTS
 WILKINS SERVICE YARD,
 TUNNELS & SWITCHROOMS**

Scale @ A1	1 : 1	CAD Ref. File Path	C:\OSB\Files\Osborn\1955-1959\1955 UCL Slade School of Art Drawings
Drawn	HS	Chk'd/App'd	SD/SD
Job No.	1955	Drg No.	SP-TU-03
		Rev	T1

DESIGN CRITERIA TABLE	
HAZARD CLASSIFICATION	BS EN 12845 : 2015
HAZARD CLASSIFICATION	ORDINARY HAZARD 3 (OH3)
PROTECTION	PROPERTY
AREA OF OPERATION	216m ²
DESIGN DENSITY	5mm/m in
WATER SUPPLY DURATION	60 minutes
ALL SIGNALS MONITORED	YES
MAXIMUM PROTECTION AREA PER SPRINKLER	12m ²
SPRINKLER K FACTOR	K80
SPRINKLER ORIFICE	15mm
SPRINKLER SYSTEM TYPE	WET SYSTEM

PIPEWORK DETAILS							
BS EN 10255 MEDIUM WEIGHT							
SPEC. & DIA.(mm)	25	32	40	50	65	80	100
BORE (mm)	27.2	35.9	41.8	53.0	68.8	80.8	105.3
OUTSIDE DIA.(mm)	33.7	42.4	48.3	60.3	76.1	88.9	114.3
WEIGHT kg/M (DRY)	2.46	3.17	3.65	5.17	6.63	8.64	12.4
WEIGHT kg/M (WET)	3.04	4.18	5.02	7.37	10.35	13.77	21.11
VELOCITY @ 1000L/M (M/S)	28.3	16.3	12.0	7.5	4.4	3.2	1.9
PIPEWORK DETAILS							
PAINTED - RED OXIDE	<input type="checkbox"/>	GALVANISED	<input type="checkbox"/>				
PAINTED - WHITE GLOSS	<input type="checkbox"/>	POWDER COAT - WHITE	<input type="checkbox"/>				
PAINTED - RED GLOSS	<input type="checkbox"/>	POWDER COAT - RED	<input type="checkbox"/>				
CLIENT SPECIFICATION	<input checked="" type="checkbox"/>	OTHER - SEE DRG.	<input type="checkbox"/>				