



NOTES

- This drawing is based on the following information:
OOBE drawing JDA1349.GA.002 (GA)
L & M SURVEY drawing 11661 Topo
CURTINS drawing 063878-CUR-C-DR-XX-0003 Drainage Strategy.
- All new drainage to be constructed in accordance with The Building Regulations Part H.
- Contractor to check that existing survey information shown is correct before proceeding with works and inform Engineer if any discrepancies noted.
- For setting out & details of all internal drainage points, rainwater pipes refer to Architects drawings.
- Pipes with less than 1.2m cover to be laid with a concrete surround, as per Fairhurst drainage details.
- Drawing to be read in conjunction with the Drawings:
118180/2004 - Proposed internal below ground drainage
118180/2006 - Drainage construction details, Sheet 2
118180/2007 - Drainage construction details, Sheet 3
118180/2008 - Drainage construction details, Sheet 4
118180/2009 - Manhole schedule.
- Surface water Linear Drainage Channels are to be ACO with BS EN124 D400 class galvanised or stainless steel slot grating, or equivalent for the MD types. Service yard and access to yard to have ACO S series channel with BS EN124 F900 'Intercept' ductile iron grating or equivalent. Linear channel gullies are to have a silt trap and roddable connection to main drainage unless specified otherwise.
- All gully/sump/RWP connections to be 150mmØ, minimum gradient 1:150 UNO.
- All interceptors to be Conder product as noted on the drawing or similar equivalent installed in accordance with manufacturers requirements. Ventilation in accordance with manufacturer & Local Authority requirements. Interceptors to be alarmed.
- All foul water pipes to be 100Ø, minimum gradient 1:40, unless indicated otherwise.
- The Principal Contractor shall be responsible for checking the existing line and invert levels of any connection points for both the foul and surface water systems, prior to undertaking installation of any new drainage works. Any deviation to the levels and positions indicated on the drawing should be brought to the attention of the Engineer.
- All drains to be tested prior to backfilling, after backfilling and upon completion of hard landscaping, in addition all drains to be inspected by CCTV methods prior to hard landscaping.

Do not scale from this drawing.

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARD/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING RISKS AND INFORMATION.

RISKS LISTED HERE ARE NOT EXHAUSTIVE. REFER TO DESIGN ASSESSMENT FORM.

CONSTRUCTION
EXISTING BURIED SERVICES.
WORKING ADJACENT TO LIVE ROADWAY.
WORKING AT HEIGHT IN AND AROUND TRENCHES.
CONNECTING TO EXISTING DRAINAGE NETWORK.
UKO – MAIN CONTRACTOR TO ENSURE THAT A UKO SPECIALIST IS PRESENT DURING EXCAVATIONS INTO VIRGIN GROUND.

DEMOLITION

FOR INFORMATION RELATING TO USE, CLEANING AND MAINTENANCE SEE THE HEALTH AND SAFETY FILE

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.

KEY

- Surface water drainage with manhole
- Surface water rainwater downpipe
- Surface water rodding eye
- Surface water drainage with Polypropylene Inspection Chamber (PPIC)
- Surface water trapped gully
- Surface water linear drainage channel with sump
- Bypass separator CONDER CNSB3s/21 (Class 1) (drained area 750m²) or equivalent, to be ventilated in accordance with Manufacturer & Local Authority requirements. Separator to be alarmed
- Surface water backdrop
- Foul water drainage with manhole
- Foul water drainage with Polypropylene Inspection Chamber (PPIC)
- Foul water pop up connection
- Proposed drainage layout as shown on CURTINS drainage strategy drawing 063878-CUR-C-DR-XX-0003 P4.
- Land drain with catchpit and non-return valve (NRV).
- Land drain with rodding eye.

B	13/06/17	MANHOLE REFERENCE NUMBERS (S20, S21, RES22, RES23 & S24) AMENDED.	JH	RF	JM
A	02/06/17	NOTES REGARDING LINAC AND PROTON BUNKER ADDED. STATUS AMENDED.	JH	RF	JM
Rev.	Date	Description	Drwn.	Chkd.	Appd.

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PROTON PARTNERS INTERNATIONAL

Project Title:
**PPI LIVERPOOL
PADDINGTON PLACE**

Drawing Title:
PROPOSED DRAINAGE

Scale at A1: 1:250	Status: RIBA Stage 4	
Drawn: JH	Checked: RF	Approved: JM
Date: 24/05/17	Date: 09/07/17	Date: 09/07/17
Drawing No.: 118180/2003	Revision: B	