

NOTES:

General Notes

- G.1 This drawing is to be read in conjunction with all relevant Architects and Engineers drawings and specifications.
- G.2 Do not scale from this drawing. All details and dimensions are to be checked by the contractor prior to commencement of construction. Any discrepancies are to be reported to the Engineer.
- G.3 All dimensions are in millimetres unless noted otherwise.
- G.4 All proprietary materials are to be used in accordance with the manufactures recommendations
- G.5 For Drainage Notes please refer to Drawing No. L1195A - D002.

Key

- EXISTING ADOPTED SURFACE WATER SEWER
- EXISTING PRIVATE SURFACE WATER DRAINAGE
- EXISTING ADOPTED FOUL WATER SEWER
- EXISTING PRIVATE COMBINED DRAINAGE
- EXISTING PRIVATE COMBINED DRAINAGE
- EXISTING PIPES TO BE ABANDONED AND GROUTED UP
- PROPOSED PRIVATE FOUL DRAINAGE
- PROPOSED PRIVATE SURFACE WATER DRAINAGE
- PROPOSED CLASS 1 PETROL INTERCEPTOR
- PROPOSED ATTENUATION TANK 55m³ VOLUME REQUIRED
- PROPOSED FLOW CONTROL DEVICE FLOW RESTRICTED TO 5l/s
- PROPOSED ROAD GULLIES
- PROPOSED RODDING EYE
- PROPOSED LINEAR DRAINAGE
- RAINWATER PIPE
- SITE BOUNDARY

MH REF	EASTINGS	NORTHINGS	COVER LEVEL	INVERT LEVEL	MH DEPTH	MH TYPE	COVER	MH SCHEMATIC
CW01	341518.794	387641.333	81.700	80.400	1.300m	1000Ø PPIC	B125	
CW02	341528.288	387622.373	81.700	80.255	1.445m	1200Ø PCC	D400	
CW03	341501.665	387608.917	81.800	80.055	1.745m	1200Ø PCC	D400	
CW04 *	341506.255	387599.815	81.625	79.950	1.675m	1200Ø PCC	D400	
FW01	341501.527	387638.265	81.900	81.100	0.800m	1000Ø PPIC	B125	
FW02	341495.564	387621.304	81.840	81.240	0.600m	1000Ø PPIC	B125	
CW05 *	341490.059	387632.512	81.880	79.900	1.980m	1000Ø PPIC	B125	
CW06	341488.398	387635.904	80.980	79.79	1.190m	1200Ø PCC	D400	

* DENOTES BACK DROP MANHOLE. LEVEL SHOWN IN TABLE ABOVE IS OUTGOING PIPE INVERT LEVEL

**SCIENCE BLOCK
MANHOLE SCHEDULE FOR COMBINED WATER**

MH REF	EASTINGS	NORTHINGS	COVER LEVEL	INVERT LEVEL	MH DEPTH	MH TYPE	COVER	MH SCHEMATIC
SW03	341574.569	387687.652	81.900	81.100	0.800m	4500 RIGID CHAMBER	D400	
SW04	341603.323	387702.182	81.250	80.600	0.650m	4500 RIGID CHAMBER	D400	
SW05	341590.255	387728.042	80.150	79.510	0.640m	900mm x 675mm BRICK	D400	
SW06	341554.500	387710.272	80.835	79.395	1.440m	900mm x 675mm BRICK	D400	
EXTG CMH1	341550.700	387710.033	80.880	79.380	1.500m	EXTG	EXTG	

**SPORTS HALL
MANHOLE SCHEDULE FOR SURFACE WATER**

MH REF	EASTINGS	NORTHINGS	COVER LEVEL	INVERT LEVEL	MH DEPTH	MH TYPE	COVER	MH SCHEMATIC
SW06	OMITTED							
SW07	341641.371	387734.780	80.140	78.790	1.350m	1200Ø PCC CATCHPIT	D400	
SW08	OMITTED							
SW09	OMITTED							
SW10	341652.777	387711.317	80.300	78.700	1.600m	1200Ø PCC CATCHPIT	D400	
SW11	341656.378	387719.936	80.420	77.980	2.44m	1200Ø PCC FLOW CONTROL	D400	
SW12	OMITTED							
SW13	341677.140	387742.642	80.000	77.730	2.270m	TYPE 2 INSET D400	D400	
EXTG UU6703	341697.150	387748.311	79.600	77.600m APPROX	2.000m APPROX	EXTG	EXTG	

**CAR PARK
MANHOLE SCHEDULE FOR SURFACE WATER**

Rev.	Description:	Date:	By:	Chkd:
C7	Science block drainage revised to a combined system following confirmation from building control on 03/03/15. Sports hall drainage revised to suit architects layout.	03/03/15	AM	AMO
C6	Slot drain for science block ramp added, gullies added for sports hall ramp drainage, cover levels updated, manhole references updated, pop up locations updated and drainage updated to suit. & foul drainage to science block revised to suit site conditions.	26/02/15	JP	AMO
C5	Drainage to science block revised to site request	14/01/15	AM	AMO
C4	Drainage revised to site requests	23/12/14	JP	AMO
C3	Drainage revised to suit site conditions and requirements	18/12/14	JP	AMO
C2	Residual hazard register & entrance/changing room drainage updated.	15/12/14	JP	MW
C1	Issued for construction	26/11/14	JP	AMO

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Status: **CONSTRUCTION**

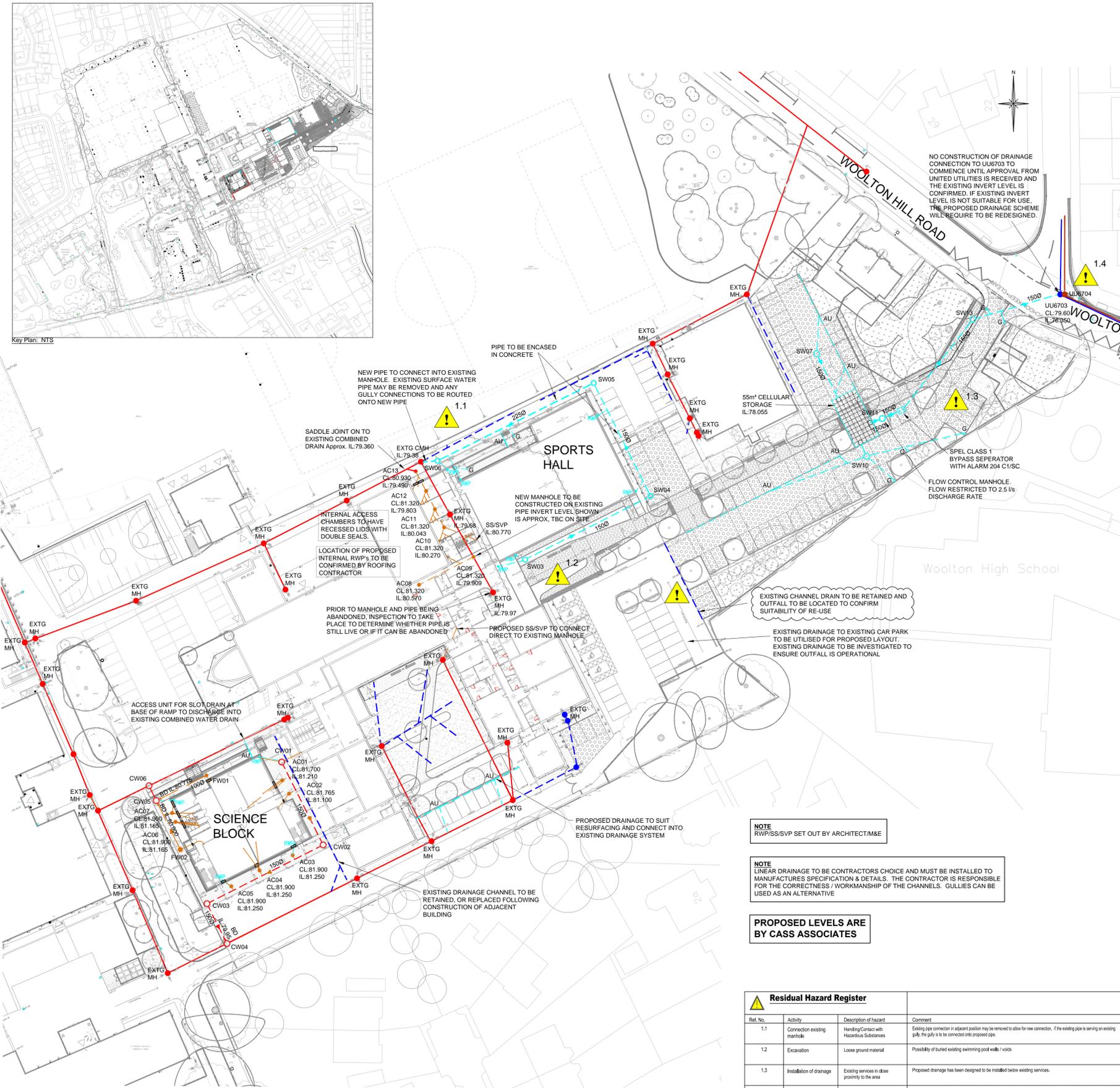
Project: **ST FRANCIS XAVIER'S COLLEGE LIVERPOOL**

Dwg Title: **PROPOSED DRAINAGE LAYOUT**

Scale:	Size:	First Issue:	Drawn:	Checked:
1:500	A1	17-11-14	J Poole	A. O'Neill

Dwg No: **L1195A - D001** Rev: **C7**

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DRAINAGE BRANCHES TO BE CAST THROUGH FOUNDATIONS AT GRADIENTS TO SUIT ACCESS CHAMBER INVERT LEVELS

NOTE
MANHOLES TO BE CONSTRUCTED WITH INVERT LEVELS FOR SCIENCE BLOCK

NOTE
RWP/SS/SVP SET OUT BY ARCHITECT/M&E

NOTE
LINEAR DRAINAGE TO BE CONTRACTORS CHOICE AND MUST BE INSTALLED TO MANUFACTURES SPECIFICATION & DETAILS. THE CONTRACTOR IS RESPONSIBLE FOR THE CORRECTNESS / WORKMANSHIP OF THE CHANNELS. GULLIES CAN BE USED AS AN ALTERNATIVE

PROPOSED LEVELS ARE BY CASS ASSOCIATES

Ref. No.	Activity	Description of hazard	Comment
1.1	Connection existing manhole	Handing Contact with Hazardous Substances	Existing pipe connection in adjacent position may be removed to allow for new connection. If the existing pipe is serving an existing gully, the gully is to be connected onto proposed pipe.
1.2	Excavation	Loose ground material	Possibility of buried existing swimming pool walls / voids
1.3	Installation of drainage	Existing services in close proximity to the area	Proposed drainage has been designed to be installed below existing services.
1.4	Traffic management	Unknown invert level of manhole	Proposed connection to UU sewer is subject to a Section 106 Agreement, invert level of existing manhole is currently unknown and will require confirmation prior to commencement of drainage works to enable suitability of drainage design. Contractors attention is drawn to UU6703 to ensure that all necessary pedestrian/traffic management procedures are in place prior any deep excavations taken place.

1. For structural engineering considerations where standard building techniques are envisaged, these have been considered during the design process and are within the expertise of a competent contractor. Such skills are materials (which are common throughout the construction industry) are deemed included here, the purpose of this statement being to highlight items of a none standard nature.

2. Similarly all recognised health and safety practice and current legislation concerning: hand tools, boots, safety harnesses and personal protective clothing is assumed to be complied with by all site operatives. For avoidance of doubt Curtins confirm that this hazard statement shall be assumed to supplement assessments by other team members.