

GENERAL NOTES

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DRAINAGE NOTES

NOTATION KEY

- UC UNIVERSAL INSPECTION CHAMBER
SIC SHALLOW INSPECTION CHAMBER
SVP SOIL AND VENT PIPE
RWP RAIN WATER PIPE
BIG BACK INLET GULLY
RG REGISTERED ROAD GULLY
C/C CONCRETE
UIC UNIVERSAL INSPECTION CHAMBER
SFA7 SEWERS FOR ADAPTION 7TH EDITION
FOLL FOLL WATER PIPE RUN
FOLL FOLL WATER MANHOLE OR INSPECTION CHAMBER

- SURFACE WATER PIPE RUN
□ SURFACE WATER MANHOLE OR INSPECTION CHAMBER

SPECIFICATION

1. FOLL DRAINS ARE TO BE 300mm NOMINAL DIAMETER Laid AT A GRADIENT NOT FLATTER THAN 1/70 UNLESS NOTED OTHERWISE.
2. DRAINS ARE TO BE CONSTRUCTED USING VITRIFIED CLAY PIPES TO BS 65 WITH FLEXIBLE JOINTS BEDDED AND BACKFILLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND BS 8301 OR FLEXIBLE U/PV PIPES TO BS4460.
3. 1000mm RIGID PIPES WITH LESS THAN 300MM COVER OR THICK OR FLEXIBLE OR WATER SUPPLIED WITH LESS THAN 100MM COVER ARE TO BE SURROUNDED BY CONCRETE WITH MOVEMENT JOINTS PROVIDED AT EVERY PIPE JUNT.
4. FLEXIBLE PIPES WITH LESS THAN 600mm COVER ARE TO BE SURROUNDED WITH CONCRETE OR TO HAVE CONCRETE PAVING SLABS Laid AS BRIDGING ABOVE THE PIPE. PIPES UNDER BUILDINGS ARE TO BE SURROUNDED WITH MIN 100MM OF GRANULAR MATERIAL.
5. ACCESS TO DRAINS MAY PROVIDED BY VITRIFIED CLAY, GRP OR POLYPROPYLENE INSPECTION CHAMBERS TO BS 658, OR MANHOLES CONSTRUCTED USING CLASS B ENGINTEEN BRICKS TO BS 3 SURROUNDED BY CONCRETE STENOUS TO BS 573 SURROUNDED 150MM OF CONCRETE MINIMUM DIMENSIONS TO COMPLY TO TABLE 8 OF BS 8801. COVERS AND FRAMES FOR MANHOLES/INSPECTION CHAMBERS MUST COMPLY WITH THE APPROPRIATE LOADING GRADE OF BS 497 OR BS 5911.
6. GULLIES AND RAINWATER PIPES SHOULD BE PROVIDED WITH RODDABLE ACCESS.
7. ALL PIPES THAT CONNECT TO MAIN RUN DRAINAGE MANHOLES TO BE FIXED GROUND ADJACENT
8. CONCRETE BEDDING & SURROUND TO BE MK TYPE GEN 1 TO TABLE 6 OF BS 5739 PART 2 UNLESS NOTED ON DETAILS IF A DIFFERENT GEN MK IS SPECIFIED IT WILL BE TO THE ABOVE TABLE.
9. ALL RAIN WATER PIPES TO CONNECT INTO RODDABLE GULLIES.
10. ALL BACK INLET GULLIES TO HAVE REMOVABLE COVERS.
11. FOR MANHOLE SIZE, COVER & CONSTRUCTION REFER TO SCHEDULE
12. FOR CONNECTIONS REFER TO SCHEDULE.
13. FOR DETAILS REFER TO DRAWINGS S300

Status: CONSTRUCTION

Client: Richard Morris
(Construction) Ltd.

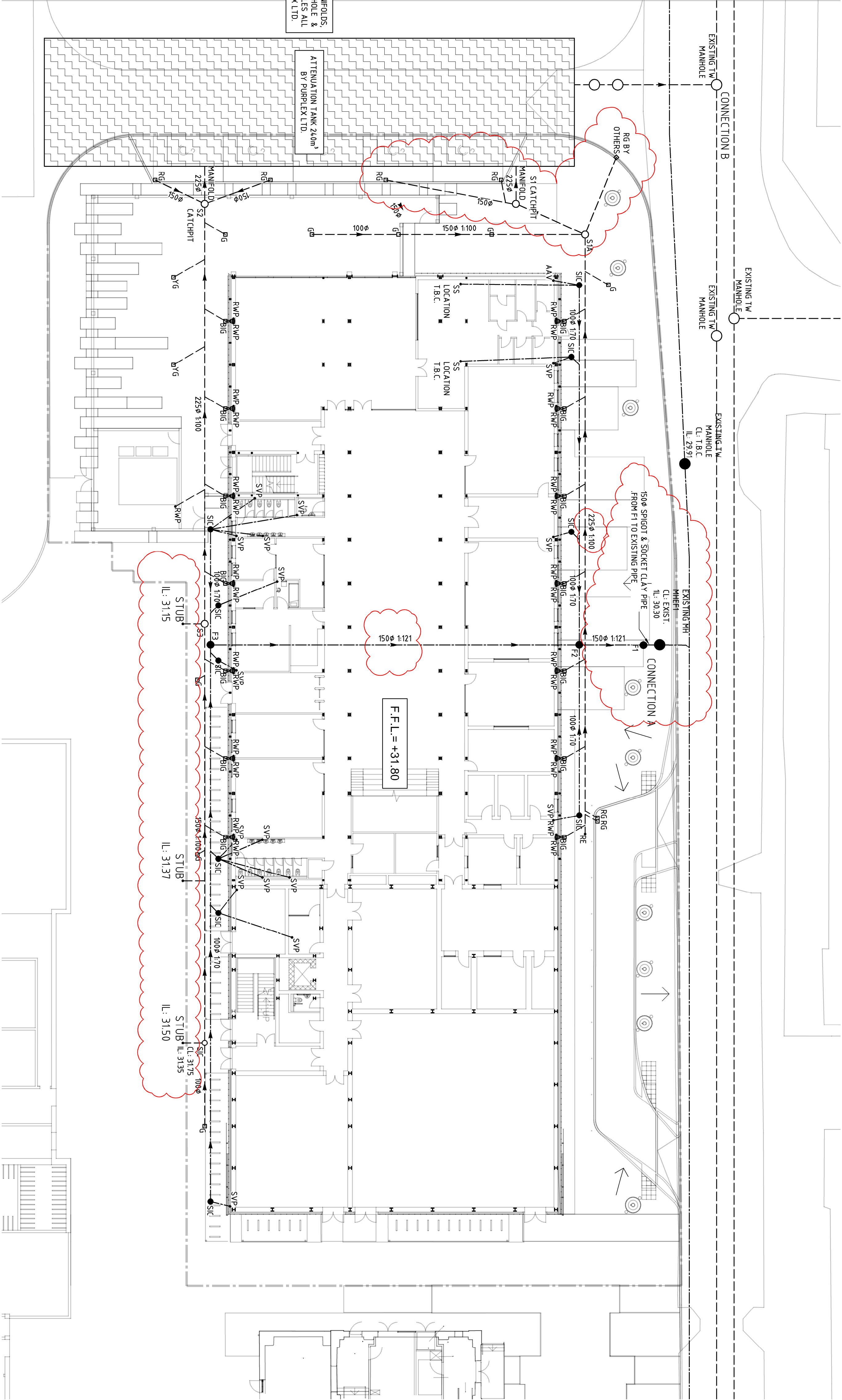
Project: Global Academy UTC

Title: Drainage Arrangements
Sheet 1

Project No.: Drawing No.: Rev:
15108 D100 C3

Date: Sep 2015
Scale: 1:200 @ A1
Drawn: JL
Engineer: SK

C2	Foll connection changed	04/11/15
C2	Manifold moved and Studs raised	
C2	SW Dia INCREASED MH F3/F2/F1	20/10/15
C1	Construction	29/09/15
REV	DETAIL	DATE



TANK, INLET MANHOLE, DOWN STREAM MANHOLE & DEMARCATION MANHOLES ALL BY OTHERS PURPLEX LTD.

CONNECTION SCHEDULE

MARK	INVERT LEVEL	Q PEAK (l/s)	DESCRIPTION
A	+30.31	6.2	INDIRECT CONNECTION TO EXISTING LATERAL 500mm Dia
B	T.B.C.	4.3 (ATTENUATED)	DIRECT SURFACE WATER APPLICATION BY PURPLEX LTD.

MANHOLE SCHEDULE

MANHOLE N°	APPROX COVER LEVEL	INVERT LEVEL IN	INVERT LEVEL OUT	DEPTH (mm)	PIPE SIZE OUT (mm)	GRADIENT OUT	TYPE/COMMENT	COVER	SS CLASS
F1	+31.95	+30.31	+30.31	164	150ø	1/3C	450ø	DET 3	B
F2	+31.78	+30.35	+30.35	143	150ø	1/2	450ø	NEIC	B
F3	+31.75	+30.67	+30.62	1130	150ø	1/4	450ø	UIC	B
S1	+31.78	+30.68	+30.68	1300	225ø	1/80	450ø	UIC	B
S1 A	+31.70	+30.75	+30.75	950	225ø	1/80	450ø	UIC	B
S2	+31.75	+30.65	+30.65	1400	250ø	1/80	450ø	UIC	B
S3	+31.75	+31.10	+31.02	700	225ø	1/80	450ø	UIC	B

MANHOLE COVERS TO BS EN 124

NEIC	NON ENTRY INSPECTION CHAMBER	CLASS A25	LIGHT DUTY	PEDESTRIAN ONLY
BD	DENOTES A BACKDROP CONNECTION IS REQUIRED	CLASS B25	MEDIUM DUTY	LIGHT VEHICLES
SIC	SHALLOW INSPECTION CHAMBER	CLASS C250	HEAVY DUTY	CARRIAGEWAY >0.5m FROM KERB
UIC	UNIVERSAL INSPECTION CHAMBER	CLASS D400	HEAVY DUTY	CARRIAGEWAY & HARD SHOULDERS