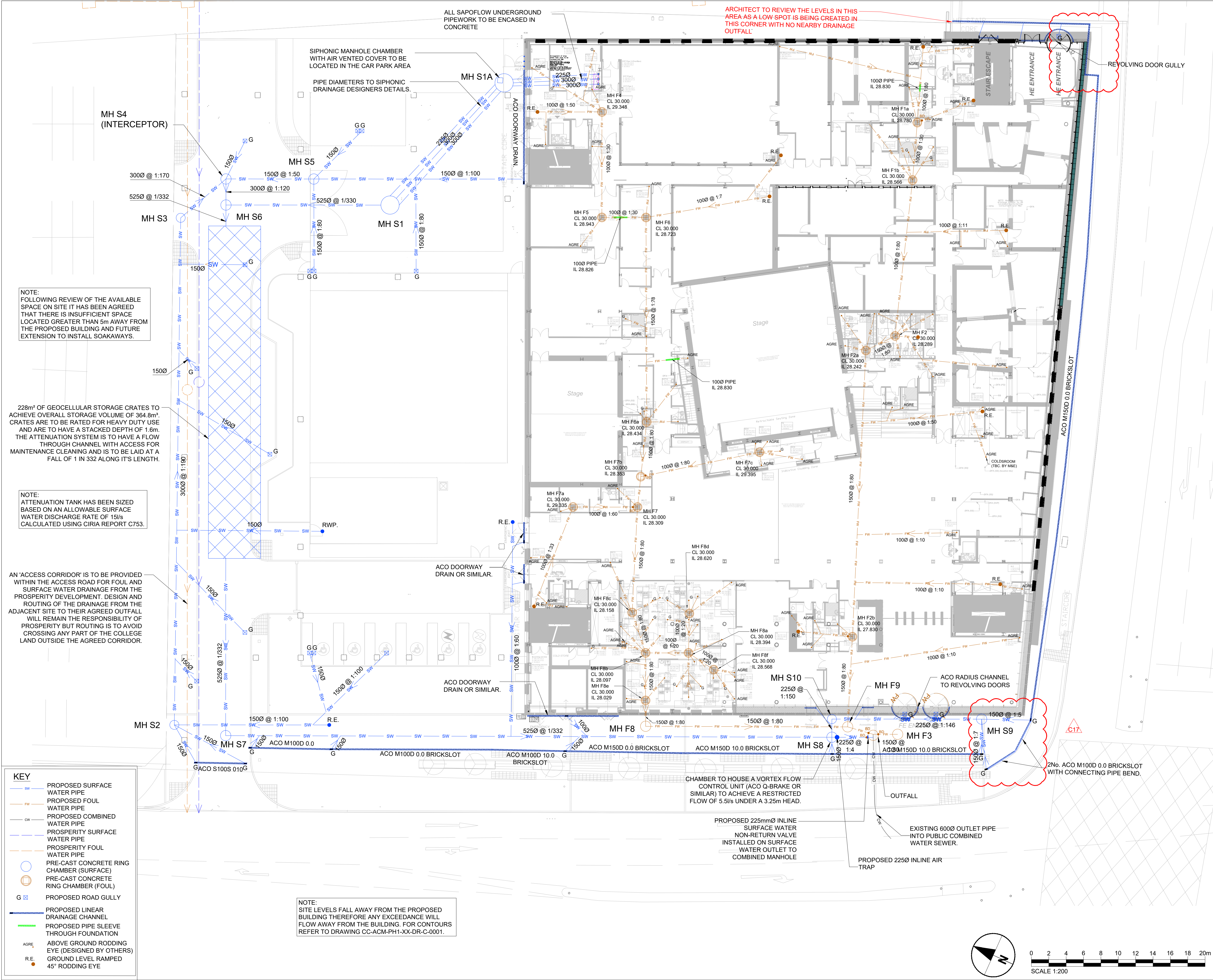




NOTE:
FOLLOWING REVIEW OF THE AVAILABLE SPACE ON SITE IT HAS BEEN AGREED THAT THERE IS INSUFFICIENT SPACE LOCATED GREATER THAN 5m AWAY FROM THE PROPOSED BUILDING AND FUTURE EXTENSION TO INSTALL SOAKAWAYS.

228m² OF GEOCELLULAR STORAGE CRATES TO ACHIEVE OVERALL STORAGE VOLUME OF 364.8m³. CRATES ARE TO BE RATED FOR HEAVY DUTY USE AND ARE TO HAVE A STACKED DEPTH OF 1.6m. THE ATTENUATION SYSTEM IS TO HAVE A FLOW THROUGH CHANNEL WITH ACCESS FOR MAINTENANCE CLEANING AND IS TO BE LAID AT A FALL OF 1 IN 332 ALONG ITS LENGTH.

NOTE:
ATTENUATION TANK HAS BEEN SIZED BASED ON AN ALLOWABLE SURFACE WATER DISCHARGE RATE OF 15l/s CALCULATED USING CIRIA REPORT C753.

AN 'ACCESS CORRIDOR' IS TO BE PROVIDED WITHIN THE ACCESS ROAD FOR FOUL AND SURFACE WATER DRAINAGE FROM THE PROSPERITY DEVELOPMENT. DESIGN AND ROUTING OF THE DRAINAGE FROM THE ADJACENT SITE TO THEIR AGREED OUTFALL WILL REMAIN THE RESPONSIBILITY OF PROSPERITY BUT ROUTING IS TO AVOID CROSSING ANY PART OF THE COLLEGE LAND OUTSIDE THE AGREED CORRIDOR.

KEY

— SW —

PROPOSED SURFACE WATER PIPE

— FW —

PROPOSED FOUL WATER PIPE

— CW —

PROPOSED COMBINED WATER PIPE

— PROSPERITY SURFACE WATER PIPE

PROSPERITY SURFACE WATER PIPE

— PROSPERITY FOUL WATER PIPE

PROSPERITY FOUL WATER PIPE

○

PRE-CAST CONCRETE RING CHAMBER (SURFACE)

○

PRE-CAST CONCRETE RING CHAMBER (FOUL)

G

PROPOSED ROAD GULLY

—

PROPOSED LINEAR DRAINAGE CHANNEL

—

PROPOSED PIPE SLEEVE THROUGH FOUNDATION

AGRE

ABOVE GROUND RODDING EYE (DESIGNED BY OTHERS)

R.E.

GROUND LEVEL RAMPED 45° RODDING EYE

NOTE:
SITE LEVELS FALL AWAY FROM THE PROPOSED BUILDING THEREFORE ANY EXCEEDANCE WILL FLOW AWAY FROM THE BUILDING. FOR CONTOURS REFER TO DRAWING CC-ACM-PH1-XX-DR-C-0001.

ARCHITECT TO REVIEW THE LEVELS IN THIS AREA AS A LOW SPOT IS BEING CREATED IN THIS CORNER WITH NO NEARBY DRAINAGE OUTFALL

AECOM

PROJECT

MANCHESTER COLLEGE

LTE CITY CENTRE

CLIENT

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NOTES

- DO NOT SCALE FROM THIS DRAWING. ONLY STATED DIMENSIONS ARE TO BE USED.
- ALL SEWERS, MANHOLES AND ANCILLARIES ARE TO BE CONSTRUCTED IN LINE WITH THE SPECIFICATION AND DETAILS IN 'SEWERS FOR ADOPTION, 7th EDITION'.
- ALL PIPES ARE TO BE POLYPROPYLENE STRENGTH CLASS SN8. ALL PIPES SHALL HAVE FLEXIBLE JOINTS.
- BEDDING TO ALL PIPES SHALL BE CLASS S1 TO BS EN 1295-1.
- ALL MANHOLES AND ACCESS CHAMBERS SHALL BE PRE-CAST CONCRETE.
- COLLECTION OF SURFACE WATER RUNOFF IS TO BE VIA A PROPRIETARY KERB CHANNEL SYSTEM. ALL OUTLETS FROM THE CHANNEL SYSTEM ARE TO HAVE A SUITABLE SUMP TO PREVENT ACCESS OF SEDIMENT INTO THE SYSTEM.
- ALL COVERS ARE TO BE DUCTILE IRON TO BS EN 124. ALL INTERNAL MANHOLES SHALL BE DOUBLE SEALED AND RECESSED TO BE ABLE TO TAKE THE SURROUNDING FLOOR FINISH. LOAD CLASSES SHALL BE AS FOLLOWS:
 - INTERNAL - A15
 - EXTERNAL FOOTPATH - B125
 - VEHICLE AREAS - D400
- WHERE PRODUCT NAMES HAVE BEEN PROVIDED THEY ARE INDICATIVE FOR PRICING ONLY.
- THE ATTENUATION VOLUMES SHOWN ON THIS DRAWING ARE BASED ON THE OUTFALL DISCHARGE RATE BEING RESTRICTED TO A BROWN FIELD RATE OF 50% BETTERMENT OF EXISTING DISCHARGE.
- THIS DRAWING HAS BEEN COORDINATED WITH THE LATEST VIBRO-STONE COLUMN LAYOUT.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH MH SCHEDULE CC-ACM-PH1-XX-DR-D-9001 AND DETAILS CC-ACM-PH1-XX-DR-D-9003.
- INTERNAL FITOUT AROUND ABOVE GROUND RODDING EYES TO BE ACCESSIBLE AS PER BUILDING REGULATIONS PART H: 1.34 (DESIGNED BY OTHERS).
- ALL RODDING EYES TO BE WITHIN 22m OF ACCESS FITTINGS AND WITHIN 45m OF DOWNSTREAM ICMANHOLES.
- ALL INTERNAL FLOOR GULLYS TO BE FITTED WITH AIR/ODOUR TRAPS AND BE ACCESSIBLE FOR MAINTENANCE CLEANING WHILST BEING FULLY RODDABLE.
- SYPHONIC MANHOLES TO BE AQUAVANTAGE (SAP CODE 241255) WITH A WATERWAY OF 5250cm² OR THE SAINT GOBAIN WATERWAY 2400 (SAP CODE 211234) WITH A WATER WAY OF 2400cm² OR EQUIVALENT APPROVED. MINIMUM VENTED AREA OF MANHOLE COVER IS 0.274m². SYPHONIC ROOF DRAINAGE TO BE AS PER SAPOFLOW DRAWING NO: CC-SAP-00-ZZ-DR-X-0003.

ISSUE/REVISION

C17	11/01/22	REVISED CHANNEL DRAINS
C16	24/08/21	REVISED CHANNEL DRAINS
C15	28/10/20	SEE AMENDMENTS LIST ABOVE
C14	05/10/20	SEE AMENDMENTS LIST ABOVE
C13	29/09/20	SEE AMENDMENTS LIST ABOVE
C12	18/09/20	SEE AMENDMENTS LIST ABOVE
C11	11/09/20	SEE AMENDMENTS LIST ABOVE
C10	11/09/20	SEE AMENDMENTS LIST ABOVE
C09	12/08/20	SEE AMENDMENTS LIST ABOVE
C08	30/07/20	SEE AMENDMENTS LIST ABOVE
C07	27/07/20	SEE AMENDMENTS LIST ABOVE
C06	03/07/20	SEE AMENDMENTS LIST ABOVE
C05	29/05/20	STAGE 5 ISSUE
C04	16/04/20	STAGE 5 ISSUE
C03	17/03/20	STAGE 5 ISSUE
C02	28/02/20	STAGE 5 ISSUE
C01	26/02/20	STAGE 5 ISSUE
I/R	DATE	DESCRIPTION

SUITABILITY STATUS

A1 - Suitable for Construction

PROJECT NUMBER

60594458

SHEET TITLE

PROPOSED SITE DRAINAGE
GENERAL ARRANGEMENT
SHEET NUMBER

CC-ACM-PH1-XX-DR-D-9000