



AQUACELL OR OTHER APPROVED CELLULAR ATTENUATION TANK TO ATTENUATE SURFACE WATER DISCHARGE UP UNTIL AND INCLUDING 1 IN 100yr + 45% CC PERIOD.

APPROX VOLUME REQUIREMENT = 55m³
LENGTH = 22.0m
WIDTH = 2.5m
DEPTH = 1.0m
COVER LEVEL = 57.55 (0.75m min)
TOP OF TANK LEVEL = 56.80
INVERT LEVEL = 55.80

1200Ø SW HYDROBRAKE MANHOLE CHAMBER TO DISCHARGE TO A RATE OF 5L/S AS AGREED BY PREVIOUS ENGINEER WITH UNITED UTILITIES AND LLFA.
CL: 57.541
IL: 55.80
DH: 1.0

SURFACE AND FOUL WATER TO BE COMBINED ONSITE BEFORE OUT FALLING TO EXISTING PRIVATE COMBINED MANHOLE VIA A BACKDROP, DEPTH CONFIRMED ON SITE AS GENERALLY ACCURATE, CONTRACTOR TO CONFIRM BEFORE CONSTRUCTION, FLOWS THEN DISCHARGE TO PUBLIC SEWER WHERE AGREEMENT WITH UNITED UTILITIES VIA SECTION 106 PART 1 APPLICATION IS TO BE APPROVED.

DRAINAGE KEY

- CW ——— EXISTING COMBINED WATER SEWER
- EXISTING COMBINED WATER SEWER
- PROPOSED PRIVATE FOUL WATER SEWER
- PROPOSED PRIVATE SURFACE WATER SEWER
- PROPOSED 300Ø PRIVATE FW PPIC
- PROPOSED 300Ø PRIVATE SW PPIC
- PROPOSED 450Ø PRIVATE FW PPIC UNLESS OTHERWISE STATED
- PROPOSED 450Ø PRIVATE SW PPIC UNLESS OTHERWISE STATED
- PROPOSED PRIVATE CATCH PIT
- PROPOSED SW HYDROBRAKE MANHOLE
- PROPOSED COMBINED SEWER
- PROPOSED SW GULLY
- PROPOSED SW ACO CHANNEL

GENERAL NOTES

THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR / FABRICATOR PRIOR TO COMMENCEMENT OF WORKS.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.

ALL WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE ENGINEER'S SPECIFICATIONS, RELEVANT BRITISH STANDARDS AND WHERE APPLICABLE LOCAL AUTHORITIES REQUIREMENTS.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY SERVICE/UTILITY APPARATUS IN THE VICINITY OF THE WORKS BEFORE DRAINAGE INSTALLATION HAS COMMENCED. SHAPE WILL ACCEPT NO CLAIMS WHATSOEVER IN RESPECT OF ANY LOSSES OR DAMAGE CAUSED IN RESPECT OF SUCH APPARATUS.

LOCATION AND LEVELS OF EXISTING PUBLIC SEWERS BASED ON WATER AUTHORITY SEWER RECORDS, SEWERS TO BE FULLY SURVEYED. ALL LOCATIONS TO BE CONFIRMED.

DRAINAGE NOTES:

ALL DRAINAGE PROPOSALS ARE INDICATED FOR INDICATIVE PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION.

CONFIRMATION REQUIRED FROM ARCHITECT REGARDING LOCATION OF RWP & SVP LOCATIONS PRIOR TO DETAILED DESIGN.

CURRENTLY INDICATIVE INVERT LEVELS HAVE BEEN INDICATED FOR THE DRAINAGE DESIGN. FURTHER INVESTIGATIONAL WORKS ARE REQUIRED TO DETERMINE DEPTHS AT THE OUTFALL LOCATIONS BEFORE THE DESIGN CAN BE CONFIRMED.

NOTE:

FOR INFORMATION PURPOSES THE FOLLOWING SHOULD BE ASSUMED:

ALL INDICATED SURFACE WATER SEWERS ARE 100mm IN DIAMETER AND HAVE A MINIMUM GRADIENT OF 1:100 UNLESS OTHERWISE STATED.

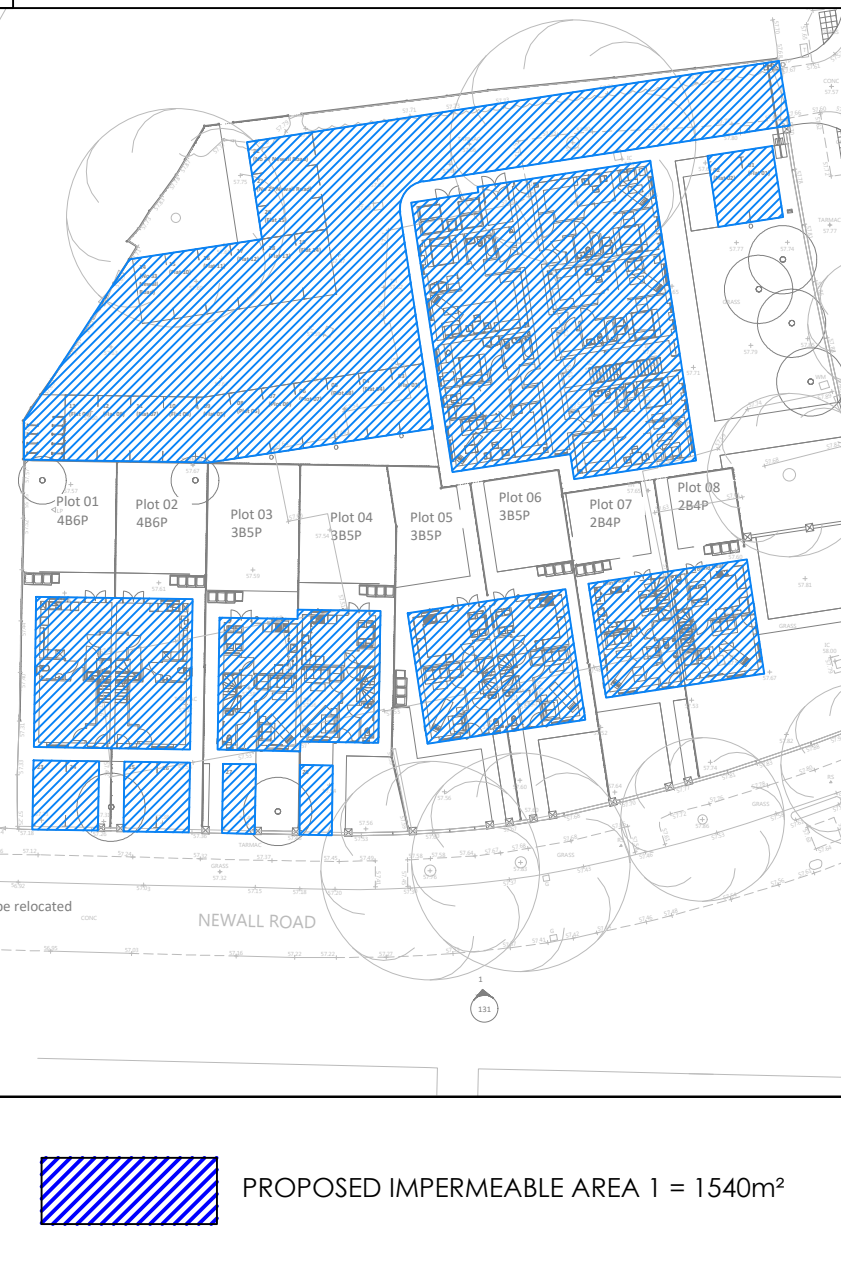
ALL FOUL WATER SEWERS ARE 100mm IN DIAMETER AND HAVE A MINIMUM GRADIENT OF 1:80 UNLESS OTHERWISE STATED.

ALL FOUL AND SURFACE WATER PPIC'S TO BE 450 IN DIAMETER UNLESS OTHERWISE STATED.

ALL UNDERSLUNG DRAINAGE SHOULD COMPLY WITH THE ABOVE ASSOCIATED SEWER REQUIREMENTS.

ALL MANHOLE AND SEWER TRENCH DEPTH SHOULD PROVIDE A MINIMUM COVER OF 1.2m TO THE SOFFIT OF THE PIPE. FURTHER LEVEL INFORMATION WILL BE CALCULATED IN DUE COURSE.

ALL UNDER SLAB DRAINAGE PPIC'S & MANHOLES TO HAVE SEALED LIDS.



PROPOSED IMPERMEABLE AREA 1 = 1540m²



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PROJECT
Greenbrow Social Club,
Manchester City Council

TITLE
Drainage
Strategy Plan

P02	GP	Updated Gully/ACO Arrangement in Accordance With Levels Plan	07.02.24
P01	GP	First Issue	01.02.24
Rev	By	Description	Date
Revision Schedule			
Client Casey Group			
Status	S2	Purpose of Issue Preliminary	
Designed By	GP	Approved By	EC
Drawn By	GP		
Project No.	2639		Sheet No. C-0001
Scale (@ A2)	1:200	DATE	01.02.2024
Rev	P02		