

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 MILLIMETRES 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.

DRAINAGE NOTES

ALL INDICATED SURFACE WATER SEWERS ARE 100mm IN DIAMETER UNLESS OTHERWISE STATED.

ALL FOUL WATER SEWERS ARE 100mm IN DIAMETER UNLESS OTHERWISE STATED.

ALL MANHOLE AND SEWER TRENCH WORKS SHOULD COMPLY WITH PART H OF THE BUILDING REGULATIONS.

FFL SET TO OR ABOVE EXISTING GROUND LEVEL MITIGATING FLOOD RISK, SITE BOUNDARY DOES NOT PROVIDE ANY OVERLAND FLOWS NOR ARE ANY OFF SITE LEVELS TO BE CHANGED POSING NO RISK TO NEIGHBOURING PROPOERTIES.

NOTE:

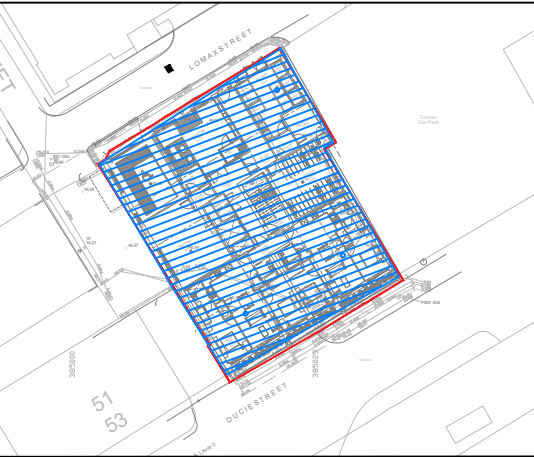
ALL DRAINAGE PROPOSALS ARE INDICATED FOR INDICATIVE PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION.

FURTHER CLARIFICATION REQUIRED REGARDING LOCATION OF SVP AND RWP LOCATIONS BY ARCHITECT PRIOR TO DETAILED DESIGN.

CURRENTLY ALL INVERT LEVELS ARE INDICATIVE FOR THE DRAINAGE DESIGN PENDING FINALISED FINISH FLOOR LEVEL. FURTHER INVESTIGATIONAL WORKS ARE REQUIRED TO DETERMINE DEPTHS AT THE OUTFALL LOCATIONS BEFORE THE DESIGN CAN BE CONFIRMED.

ALL ABOVE GROUND FLOOR LEVEL FOUL & SURFACE WATER IS ASSUMED TO BE UNDERSLUNG IN FALSE CEILING AT GROUND FLOOR LEVEL AS TO BE DESIGNED BY ARCHITECT.

ALL UNDER GROUND LEVEL DRAINAGE LOCATIONS INDICATIVE PENDING DOWN PIPE LOCATION CONFIRMATION BY ARCHITECT AND FINALISED STRUCTURAL DESIGN.



PROPOSED IMPERMEABLE AREA = 546m²

DRAINAGE KEY

- EXISTING UU COMBINED SEWER
- PROPOSED PRIVATE FOUL WATER SEWER
- PROPOSED PRIVATE SURFACE WATER SEWER
- PHASE 1 PRIVATE SURFACE WATER WORKS
- PROPOSED COMBINED SEWER
- PROPOSED PRIVATE 300Ø FW PPIC
- PROPOSED PRIVATE 450Ø FW PPIC UNLESS OTHERWISE STATED
- PROPOSED PRIVATE 450Ø SW PPIC UNLESS OTHERWISE STATED
- PROPOSED PRIVATE CATCH PIT
- PROPOSED SW HYDROBRAKE MANHOLE

PLEASE NOTE: ALL WORKS OUTSIDE OF PHASE 1 TO BE CONSIDERED AS PHASE 2 DRAINAGE WORKS.

AQUACELL OR OTHER APPROVED CELLULAR ATTENUATION TANK TO ATTENUATE SURFACE WATER DISCHARGE UP UNTIL AND INCLUDING 1 IN 100yr + 40% CC PERIOD.

APPROX VOLUME REQUIREMENT = 8.4m³

WIDTH = 3.0m

LENGTH = 3.5m

DEPTH = 0.8m

COVER LEVEL = 46.70 (min)

TOP OF TANK LEVEL = 46.00

INVERT LEVEL = 45.20

SW HYDROBRAKE MANHOLE CHAMBER TO DISCHARGE TO A RATE OF 5L/S AS TO BE AGREED WITH UNITED UTILITIES AND LLFA.

ABOVE GROUND FLOOR LEVEL SURFACE AND FOUL DOWN PIPES LIKELY TO BE UNDERSLUNG IN FALSE CEILING AT FIRST FLOOR LEVEL WHERE THEY WILL ROUTE AROUND TO A DOWN PIPE AND DROP DOWN UNDER GROUND FLOOR SLAB. CURRENT LOCATIONS TO BE CONFIRMED BY ARCHITECT.

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

SURFACE AND FOUL WATER TO COMBINE ON SITE BEFORE OUT FALLING TO UNITED UTILITIES COMBINED SEWER via A NEW MANHOLE. UU ASSET MAPS CONFIRM DEPTH IN CIRCA OF 3.5- 4m, EXACT SOFFIT TO SOFFIT CONNECTION LEVEL TO BE CONFIRM BY CONTRACTOR ON SITE BEFORE CONSTRUCTION.

EX CO 0207
CL: 45.26
IL: 41.04

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PROJECT
Ducie St Manchester

TITLE
Drainage Strategy

P06	GP	Updated to Propose a Phase 1 & 2 Installation Process	18.03.22
P05	GP	New Outfall Proposal	17.03.22
P04	GP	Updated to Propose New Manhole on Existing Line in Lomax St	14.03.22
P03	GP	Updated to Provide 2nd Outfall Option if Required	14.03.22
P02	GP	Flood Risk/Overland Flow Note Added	13.01.22
P01	GP	First Issue	20.12.21
Rev	By	Description	Date
Revision Schedule			
Client		Private	
Status	S1	Purpose of Issue Preliminary	
Designed By	GP	Drawn By	GP
Shape Project No.		2255	
Sheet No.		C-0001	
Scale (@ A3)	1:200	Date	20.12.2021
Rev	P06		