AQUACELL OR OTHER APPROVED CELLULAR ATTENUATION TANK TO ATTENUATE SURFACE WATER DISCHARGE.
APPROX VOLUME REQUIREMENT = 65m³
LENGTH = 10.0m
WIDTH = 6.5m
DEPTH = 0.8m
COVER LEVEL = 103.80 (min)
TOP OF TANK LEVEL = 103.05
INVERT LEVEL = 102.05

S39 1500Ø HYDROBRAKE CONTROL CHAMBER TO CONTROL SURFACE WATER DISCHARGE TO AN ASSUMED RATE OF 5l/s, AS TO BE AGREED UNITED UTILITES & LOCAL PLANNING AUTHORITY.
CL: 103.589
IL: 102.019

AQUACELL OR OTHER APPROVED CELLULAR ATTENUATION TANK TO ATTENUATE SURFACE WATER DISCHARGE.
APPROX VOLUME REQUIREMENT = 121.5m³
LENGTH = 27.0m
WIDTH = 4.5m
DEPTH = 1.0m
COVER LEVEL = 103.80 (min)
TOP OF TANK LEVEL = 103.05
INVERT LEVEL = 102.05

EXISTING PR CO SEWER 225Ø ??

CO 1200Ø
CL: 103.606
IL: 102.00 tbc

EX CW2
CL: 103.70
IL: 101.80

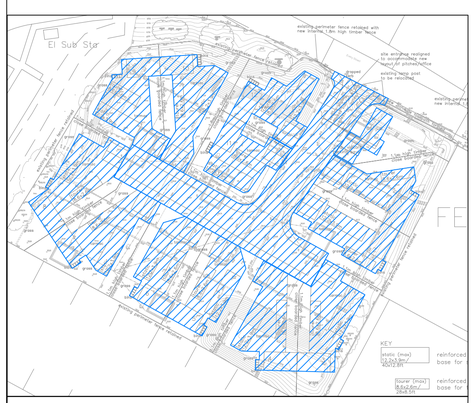
AIR VALVE

FOUL AND SURFACE WATER FLOWS TO COMBINE ON SITE VIA PROPOSED MANHOLE ON EXISTING PRIVATE COMBINED LINE. ALTHOUGH A PRIVATE CONNECTION, AN ASSUMED FREE FOUL DISCHARGE RATE AND SW DISCHARGE RATE LIMITED TO 5L/S IS TO BE AGREED WITH UNITED UTILITIES & LOCAL PLANNING AUTHORITY, CONTRACTOR TO CONFIRM DEPTH FOR CONNECTION LEVEL ON SITE.

KEY

static (max) 12.2x3.9m / 40x12.8ft — reinforced conc. base for static/tourer

tourer (max) 8.6x2.6m / 28x8.5ft — reinforced conc. base for tourer



DRAINAGE KEY

- EXISTING UU COMBINED SEWER
- EXISTING UU COMBINED RISING MAIN
- EXISTING PRIVATE COMBINED SEWER
- PROPOSED PRIVATE FOUL WATER SEWER
- PROPOSED PRIVATE SURFACE WATER SEWER
- PROPOSED COMBINED MANHOLE
- PROPOSED PRIVATE 300Ø FW PPIC
- PROPOSED PRIVATE 300Ø SW 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
- 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 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 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 MANHOLE AND SEWER TRENCH WORKS SHOULD COMPLY WITH PART H OF THE BUILDING REGULATIONS.

ALL PPICS TO BE 300 - 450 IN DIAMETER UNLESS OTHERWISE STATED

ALL PPIC'S WITHIN PRIVATE SHARED DRIVEWAY TO HAVE C250 150 CONCRETE SURROUND LIDS.

INTERNAL OUTFALL DRAINAGE FROM PICK UP POINTS TO FIRST PPIC/MH CHAMBER TO HAVE MINIMUM GRADIENT OF 1 IN 40.

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 DEPTHS 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.

INDICATIVE GULLIES OR ACO CHANNELS HAVE BEEN PROPOSED FOR THE HARDSTANDING DRAINAGE. DETAILED LEVEL DESIGN REQUIRED FROM ARCHITECT BEFORE HARDSTADING DRAINAGE CAN BE CONFIRMED.

Rev	By	Description	Date
P02	GP	Updated in Accordance with SW Calculations	26.01.22
P01	GP	First Issue - Draft, Associated Calcualtions tbc	17.12.21

Revision Schedule

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PROJECT: Fernhill Bury

TITLE: Drainage Strategy

Client: Private

Status: S1 — Purpose of Issue: Preliminary

Designed By: GP — Drawn By: GP — Shape Project No.: 2288

Sheet No.: C-0001

Scale (@ A1): 1:200 — Date: 17.12.2021 — Rev: P02

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