



GENERAL NOTES

- The location, size, depth and identification of existing services that may be shown or referred to on this drawing have been assessed from non intrusive observations, record drawings or the like. The contractor shall safely carry out intrusive investigations, trial holes or soundings prior to commencing work to satisfy himself that it is safe to proceed and that the assessments are accurate. any discrepancies shall be notified to gta prior to works commencing.
- Tender or billing drawings shall not be used for construction or the ordering of materials.
- Do not scale. All dimensions and levels to be site confirmed.
- This drawing shall be read in conjunction with all relevant architects, consultants drawings and specifications, together with H&S plan requirements
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- All drawings specifications and recommendations made by gta are subject to Local Authority and other relevant Statutory Authorities approval. Any works or services made abortive due to the client proceeding prior to these approvals is considered wholly at the Clients risk. gta hold no responsibility for resulting abortive works or costs.

KEY

- Existing Foul Sewer
- Private surface water drain
- Private foul drain
- Private foul sewer
- Private foul pump main
- Private filter drain
- Existing ditch

EXFSMH Existing foul sewer manhole

FWMH Proposed foul sewer manhole

FMH Proposed private foul manhole

SMH Proposed surface water manhole

RG Road gully

DT Distribution block

PERMEABLE PAVING INFILTRATION TO GROUND

ABBREVIATIONS

CL	COVER LEVEL
DT	DISTRIBUTION BLOCK
ExFSMH	EXISTING FOUL SEWER MANHOLE
FSMH	FOUL SEWER MANHOLE
FWD	FOUL DRAIN
FWS	FOUL SEWER
IL	INVERT LEVEL
PP	PERMEABLE PAVING
RG	ROAD GULLY
SL	SUMP LEVEL
SMH	SURFACE WATER MANHOLE
SWD	SURFACE WATER DRAIN
TL	TOP OF STORAGE STRUCTURE LEVEL
BL	BASE OF STORAGE STRUCTURE LEVEL

P9	SW DESIGN CHANGED TO INFILTRATION	21/04/2021	JR	MR
P8	PROPOSED TREE PLAN ADDED	11/11/2020	JR	MR
P7	REVISED TO CLIENT'S COMMENTS 28/10	02/11/2020	JR	MR
P6	SUDS AMENDED TO MISS EXISTING TREES	01/09/2020	JR	
P5	REVISED TO LATEST SITE LAYOUT	17/08/2020	JR	MR
P4	REVISED TO LATEST SITE LAYOUT. MORE DETAIL ADDED TO STORM SYSTEM INCLUDING STORAGE SIZING.	11/08/2020	JR	
P3	REVERSION BACK TO POND AND SWALE WITH PP SYSTEMS RETAINED	10/07/2020	JR	MR
P2	POND REPLACED BY TANK SWALE REPLACED BY TRENCH PP SYSTEMS SHOWN LINED	10/07/2020	JR	MR
P1	INITIAL ISSUE	09/07/2020	JR	MR
Rev	Amendments	Date	Dsn	Chk
Status	PLANNING			
Client	LANDACRE (EASTERGATE) LTD.			
Architect	ECE ARCHITECTURE			
Project	WARWICK NURSERY EASTERGATE			
Title	DRAINAGE STRATEGY			
Date	JULY 2020	Scale @ A1	1 : 500	
Clients Ref.		Project Ref.	10635	
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Drawing Number	10635/1101			Rev.
				P9

DESIGN SUMMARY

FOUL

FOUL DRAINAGE FROM DWELLINGS A1 - A25 TO GRAVITATE TO EXISTING PUBLIC SEWER ALONG BARNHAM ROAD.

FOUL DRAINAGE FROM DWELLINGS A26 - A44 TO PUMPING STATION WITH PUMPED CONNECTION TO GRAVITY SEWER SERVING DWELLINGS A1 - A26.

SURFACE WATER

ALL IMPERMEABLE SURFACES TO INFILTRATE TO GROUND; SHARED SURFACES AND DRIVEWAYS VIA POROUS PAVING, ROOFS TO CELLULAR SOAKAWAYS OR ADJACENT POROUS PAVINGS, MAIN ROAD TO INFILTRATION BLANKET.

MEASURED WINTER SOAKAGE RATES USED FOR THE DESIGN ARE TAKEN FROM ADDITIONAL INFILTRATION TESTING REPORT REF 21.1012 BY CONSTRUCTIVE EVALUATION. RATES RANGE FROM 9.92 X 10⁻³ m/s TO 1.57x10⁻³ m/s DEPENDING ON TEST LOCATION AND DEPTH.

THE HIGHEST RECORDED WINTER GROUNDWATER LEVEL IS APPROXIMATELY +10.00. ALL INFILTRATION DEVICES ARE SET ABOVE THIS LEVEL.

ALL INFILTRATION STORAGE IS SIZED FOR THE 1 IN 100 YEAR EVENT + 40% FOR CLIMATE CHANGE.

POLLUTION CONTROL PROVIDED BY FILTER DRAIN AND INFILTRATION BASIN.