

NOTES:

- DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.
 - REFER TO CLANCY CONSULTING DRAINAGE DETAILS DRAWING FOR INDICATIVE ELEMENT DETAILS.
 - CLANCY CONSULTING LTD GEO-ENVIRONMENTAL REPORT INDICATES THAT INFILTRATION WILL NOT BE A SUITABLE DISCHARGE STRATEGY FOR THE SURFACE WATER NETWORK DUE TO HIGH GROUNDWATER AND DEEP LEVELS OF MADE GROUND. THEREFORE THE PRIMARY DISCHARGE METHOD UTILISED IN THIS DESIGN IS TO DISCHARGE TO THE WATERCOURSE LOCATED EAST OF THE SITE.
 - ALL DRAINAGE LOCATIONS ARE SHOWN INDICATIVELY AND ALL LEVELS ARE TO BE CONFIRMED ON SITE BY THE CONTRACTOR PRIOR TO ANY WORKS BEING UNDERTAKEN.
 - NOT ALL DRAINAGE IS SHOWN FOR CLARITY. ONLY MAIN RUNS OF INTEREST.
 - ATTENUATION STORAGE TANKS ARE TO HAVE A MINIMUM OF 500mm COVER U.N.O
 - ALL SURFACE LEVELS ARE SUBJECT TO CONFIRMATION BY THE ARCHITECT.
 - PERMEABLE PAVING PARKING BAYS ARE TO BE CONSTRUCTED AS FOLLOWS:
130mm - PAVING + LAYING COARSE
GEOTEXTILE TO MANUFACTURER SPECIFICATION
520mm - SUB-BASE
350mm - CAPPING
- TO BE CONFIRMED AT DETAILED DESIGN
- DESIGN PHILOSOPHY IS TO PROVIDE OVERSIZED PIPES IN PREFERENCE TO ATTENUATION TANKS WHERE POSSIBLE.
 - ALL ATTENUATION TANKS ARE TO BE PROCEEDED BY CATCHPITS TO REMOVE DEBRIS. ATTENUATION TANKS SHOULD BE MAINTAINED IN ACCORDANCE WITH THE MAINTENANCE SCHEDULE DEVELOPED AT DETAILED DESIGN.
 - U.N.O ALL PIPES IN PERMEABLE PAVING ARE TO BE SLOTTED.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE CLANCY CONSULTING RISK REGISTER

LEGEND:

	NEW SURFACE WATER SEWER PIPE AND MANHOLE
	NEW FOUL WATER SEWER PIPE AND MANHOLE
	PERMEABLE SURFACING WITH SUB-BASE ATTENUATION
	GEOCELLULAR ATTENUATION TANK
	EXISTING FOUL NETWORK
	EXISTING SURFACE WATER NETWORK

DRAINAGE STRATEGY

THE FOLLOWING TEXT DESCRIBES THE SURFACE WATER DRAINAGE DISPOSAL STRATEGY FOR THIS DEVELOPMENT.

THE SITE IS CLASSIFIED AS BROWNFIELD (BEING PREVIOUSLY BUILT ON.) KEY POINTS FOR THE STRATEGY ARE AS FOLLOWS:

- SURFACE WATER IS GOING TO BE CONNECTED IN THE MASTER PLAN DESIGNED BY SIR ROBERT McALPINE.
- THE PROPOSED DEVELOPMENT HAS AN IMPERMEABLE AREA OF APPROXIMATELY 2340m² (0.234ha)
- WE ARE NOT LIMITED TO A SURFACE WATER FLOW RATE FOR THIS INDIVIDUAL PLOT, HOWEVER A MAXIMUM FLOW HAS BEEN CONSIDERED FOR DISCHARGE FROM THE ATTENUATION PONDS. REFER TO THE SIR ROBERT McALPINE DESIGN FOR DETAILS.
- FOUL WATER FLOW ASSUMED TO BE UNRESTRICTED INTO THE MASTER SEWER IN THE ADJACENT ROAD.

NOTE:

FOUNDATION LEVELS IN ABEYANCE. DRAINAGE LEVELS TO BE CONFIRMED WHEN ALL THE NECESSARY INFO BECOME AVAILABLE.

P1	17.10.19	PRELIMINARY	DT	CH	GS
Rev	Date	Description	By	Check	App.

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Client	TRINITY INVESTMENT MANAGEMENT
Project	LANGSTONE TECHNOLOGY PARK LANGSTONE ROAD HAVANT, PO9 1SA
Office	NORWICH 01603 305190
Discipline	CIVIL ENGINEERING
Title	DRAINAGE STRATEGY GENERAL ARRANGEMENT SHEET 2 OF 2

Scale @ A1	1:500	Status	PRELIMINARY
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Originator	Job Number	Discipline	Building/Zone
CCL	8/1982	C	ALL
Type	Level	Drawing No.	Revision
GA	DRN	4401	P1

PRELIMINARY DRAWING

THIS DRAWING IS FOR PRELIMINARY INFORMATION PURPOSES ONLY AND MUST NOT BE READ AS A CONSTRUCTION ISSUE. IT INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT

SCALE 1:500m
0m 10m 20m 30m 40m 50m

HEALTH SAFETY AND ENVIRONMENTAL RISKS BOX		
CONSTRUCTION RISKS	MAINTENANCE RISKS	DEMOLITION/ ADAPTATION RISKS
- DUE TO THE STEEP GRADIENT OF THE SITE CONSIDERATION TO SAFETY MUST BE GIVEN TO EACH CONSTRUCTION TASK. - REFER TO EXISTING SERVICES DRAWING AND TO ARCHITECTS SERVICES DRAWINGS FOR DETAILS & LOCATION OF EXTG AND PROPOSED DRAINAGE & SERVICES. - DRAINAGE CONNECTION REQUIRES DEEP EXCAVATION TEMP WORKS REQUIRED. - EXISTING DRAINS TO EITHER BE REMOVED OR GRUBBED UP. - HIGHWAY WORKS REQUIRED	- GULLIES, CHANNELS AND CHAMBERS REQUIRE THE STANDARD PERIODIC INSPECTION REGIME AND CLEANING ROUTINE TO ENSURE CONTINUED PERFORMANCE. - CONFINED SPACE ENTRY. - ALL MAINTENANCE MUST COMPLY WITH SOUTHERN AUTHORITY'S REGULATIONS.	- APPARATUS LOCATED IN LANDSCAPED AREAS HAS NOT BEEN DESIGNED TO SUPPORT HEAVY VEHICLE LOADING. - THE SURFACE WATER DRAINAGE APPARATUS HAS BEEN DESIGNED TO ACCOMMODATE THE DESIGNED CATCHMENT AREA. NO ADDITIONAL AREAS OF HARDSTANDING CAN BE CONNECTION INTO THE SYSTEM WITHOUT RISK OF LOCALIZED FLOODING ON SITE. - HAZARDOUS WASTE MATERIALS
IN ADDITION TO THE HAZARDS & RISKS NORMALLY ASSOCIATED WITH THE TYPE OF WORK DETAILED ON THIS DRAWING, TAKE NOTE OF THE ABOVE. IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR, WORKING WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.		