



NOTES:

1. DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.
 2. REFER TO CLANCY CONSULTING DRAINAGE DETAILS DRAWING FOR INDICATIVE ELEMENT DETAILS.
 3. 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.
 4. ALL DRAINAGE LOCATIONS ARE SHOWN INDICATIVELY AND ALL LEVELS ARE TO BE CONFIRMED ON SITE BY THE CONTRACTOR PRIOR TO ANY WORKS BEING UNDERTAKEN.
 5. NOT ALL DRAINAGE IS SHOWN FOR CLARITY. ONLY MAIN RUNS OF INTEREST.
 6. ATTENUATION STORAGE TANKS ARE TO HAVE A MINIMUM OF 500mm COVER U.N.O
 7. ALL SURFACE LEVELS ARE SUBJECT TO CONFIRMATION BY THE ARCHITECT.
 8. 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
9. DESIGN PHILOSOPHY IS TO PROVIDE OVERSIZED PIPES IN PREFERENCE TO ATTENUATION TANKS WHERE POSSIBLE.
 10. 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.
 11. U.N.O ALL PIPES IN PERMEABLE PAVING ARE TO BE SLOTTED.
 12. 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 FLOWS ARE TO BE DISCHARGED VIA THREE LOCATIONS. INTO THE ENVIRONMENT AGENCY MAIN RIVER (EAST OF THE SITE), THE EXISTING CONNECTION TO THE SOUTH OF THE SITE AND VIA ANOTHER EXISTING CONNECTION TO THE SOUTHERN WATER ASSETS WEST OF THE SITE.
- THE TECHNOLOGY PARK HAS A TOTAL AREA OF APPROXIMATELY 17ha
- SURFACE WATER FLOW TO THE EA MAIN RIVER IS UNRESTRICTED
- DESIGN HAS BEEN CARRIED OUT TO 1 IN 100 YEAR +40% CLIMATE CHANGE EVENTS.

NOTE:

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

Rev	Date	Description	By	CH	GS
P1	17.10.19	PRELIMINARY			

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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 1 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	4400	P1

HEALTH SAFETY AND ENVIRONMENTAL RISKS BOX		
CONSTRUCTION RISKS	MAINTENANCE RISKS	DEMOLITION/ ADAPTATION RISKS
1. DUE TO THE STEEP GRADIENT OF THE SITE CONSIDERATION TO SAFETY MUST BE GIVEN TO EACH CONSTRUCTION TASK.	1. GULLIES, CHANNELS AND CHAMBERS REQUIRE THE STANDARD PERIODIC INSPECTION REGIME AND CLEANING ROUTINE TO ENSURE CONTINUED PERFORMANCE.	1. APPARATUS LOCATED IN LANDSCAPED AREAS HAS NOT BEEN DESIGNED TO SUPPORT HEAVY VEHICLE LOADING.
2. REFER TO EXISTING SERVICES DRAWING AND TO ARCHITECTS SERVICES DRAWINGS FOR DETAILS & LOCATION OF EXTG AND PROPOSED DRAINAGE & SERVICES.	2. CONFINED SPACE ENTRY.	2. 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.
3. DRAINAGE CONNECTION REQUIRES DEEP EXCAVATION TEMP WORKS REQUIRED.	3. ALL MAINTENANCE MUST COMPLY WITH SOUTHERN WATER AUTHORITY'S REGULATIONS.	3. HAZARDOUS WASTE MATERIALS
4. EXISTING DRAINS TO EITHER BE REMOVED OR GRUBBED UP.		
5. HIGHWAY WORKS REQUIRED		
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.		

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

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