

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

CONSTRUCTION

1. TO BE MINDFUL OF ROOT ZONES. EXISTING ROOT AREAS SHOULD NOT BE DISTURBED.
2. TO BE MINDFUL OF RISK FROM DROWNING AND WATER BORN DISEASES WHILE WORKING IN VICINITY OF WATER.
3. TO BE MINDFUL OF BURIED SERVICES WHILE EXCAVATION AND CONSTRUCTION WHICH ARE NOT CAPTURED IN UTILITY SEARCH/SURVEYS.
4. POSSIBILITY OF UNEXPLODED ORDNANCE - KEEP WATCH DURING GROUND WORKS. IF IN DOUBT STOP WORK AND ASK.

MAINTENANCE/CLEANING

1. POSSIBILITY OF MULTIPLE BURIED SERVICES - CONSULT SERVICES PLANS, USE CABLE AVOIDANCE TOOLS AND FOLLOW RAMS WHEN EXCAVATING. IF IN DOUBT, STOP WORK AND ASK.

DECOMMISSIONING/DEMOLITION

1. POSSIBILITY OF MULTIPLE BURIED SERVICES - CONSULT SERVICES PLANS, HOST UTILITY COMPANIES AND USE CABLE AVOIDANCE TOOLS BEFORE EXCAVATING. IF IN DOUBT, STOP WORK AND ASK.

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

NOTES CONTINUED

16. EARLY ENGAGEMENT WITH EA IS REQUIRED TO CONFIRM OUTFALL LEVELS AND POSSIBILITY OF TIDAL INGRESS.
17. CONNECTION FROM RAIN WATER OUTLET PIPE TO LINEAR CHANNEL DRAIN TO BE PROVIDED THROUGH ACO DOWNPIPE CONNECTOR OR SIMILAR PRODUCT.
18. MANHOLES OF TYPE A2 (DEPTH FROM COVER LEVEL TO SOFT OF PIPE 3M TO 6M), B (DEPTH FROM COVER LEVEL TO SOFT OF PIPE 1.5M TO 3M), TYPE C (DEPTH FROM COVER LEVEL TO SOFT OF PIPE LESS THAN 1.5M) TO BE PROVIDED AT RESPECTIVE LOCATIONS. FOR STANDARD DETAILS PLEASE REFER TO SEWERAGE SECTOR GUIDANCE APPENDIX C.
19. PLEASE REFER TO DRAINAGE STRATEGY REPORT (REF: PR-200-ATK-Z0-00-RP-C-00001) FOR DETAILS OF PROPOSED SURFACE AND FOUL WATER NETWORKS.
20. FOR DETAILS OF PROPOSED FOUL WATER DRAINAGE REFER DRAWING - PR-200-ATK-XX-00-DR-C-00002
21. FOR OUTLET UNITS CONTRACTOR TO PROVIDE * ACO UNIVERSAL GULLEY* OR SIMILAR.
22. FOR PROPOSED INFILTRATION TANK CONTRACTOR TO USE *ESS ECOCELL TANK SYSTEMS* OR SIMILAR.
23. THIS DRAWING IS TO BE READ ALONG WITH RICHMOND SUDS PROFORMA.
24. FOR STANDARD DETAILS OF INSPECTION CHAMBER TYPE D (DEPTH FROM COVER LEVEL TO SOFFIT UPTO 2m) REFER TO FIG B 18 FROM SEWERAGE SECTOR GUIDANCE APPENDIX C.
25. FOR PROPOSED LINEAR CHANNEL DRAINS CONTRACTOR TO USE *ACO ROAD DRAINS OR EQUIVALENT.
26. AS PER FLOOD RISK ASSESSMENT, EA'S MAXIMUM WATER LEVEL FOR THE YEAR 2100 IS RECORDED AT 6.45 M AOD. THE EXTREME WATER LEVELS RECORDED IN RIVER THAMES, 35 M FROM THE SITE BOUNDARY (BASED ON THAMES ESTUARY 2100 STUDY) IS 7.05 M AOD. THIS LEVEL, IF PROPAGATED TO THE OUTFALL LOCATION CAN SUBMERGE THE OUTFALL STRUCTURE.
27. SPECIFIC OF FLOW CONTROL CHAMBER TO BE CONFIRMED IN LATER DESIGN STAGES.

KEY:

- PROPOSED SURFACE WATER CARRIER DRAIN
- PROPOSED SURFACE WATER DRAIN BRANCH PIPE
- SITE BOUNDARY
- PROPOSED CONNECTION PIPE
- PROPOSED LINEAR CHANNEL DRAIN
- PROPOSED FILTER DRAIN
- A-XX PROPOSED ACCESS UNIT
- F-XX PROPOSED OUTLET UNIT
- G-XX PROPOSED GULLY
- FLOW ARROW
- PROPOSED CELLULAR INFILTRATION TANK
- PERMEABLE PAVING AREA
- GREEN ROOF AREA
- LANDSCAPED AREA DRAINING TOWARDS DEVELOPMENT.
- HW1 PROPOSED HEADWALL
- SCP XX PROPOSED SURFACE WATER CATCHPIT
- SMH XX PROPOSED SURFACE WATER MANHOLE
- S-IC XX PROPOSED SURFACE WATER INSPECTION CHAMBER
- ⊗ FC XX PROPOSED FLOW CONTROL
- ⊕ EXISTING TREE ROOTS PROTECTION AREA
- ⊕ PROPOSED TREE
- EXISTING GRASSLAND TO BE ENHANCED
- EXISTING LOW ROPES COURSE, ARCHERY AREA; MULCH SURFACING

NOTES

1. DO NOT SCALE OFF THIS DRAWING.
2. ALL DIMENSIONS AND PIPE DIAMETERS ARE IN METRES UNLESS STATED OTHERWISE.
3. ALL PIPEWORK WITH LESS THAN 0.9M COVER IN LANDSCAPED AREAS AND 1.2M UNDER AREAS ACCESSIBLE TO VEHICLES TO HAVE CONCRETE BED AND SURROUND.
4. DESIGN ASSUMES THAT THE GROUND WILL NOT BE REWORKED AND THE INFILTRATION WILL BE AS PER ORIGINAL TEST. INFILTRATION TESTS ARE TO BE CONDUCTED DURING CONSTRUCTION TO CONFIRM THE RATES OF INFILTRATION.
5. EXISTING GULLIES AND DRAINAGE NETWORK FOR THE ACCESS ROAD TO BE RETAINED.
6. PERFORATED PIPES BENEATH PERMEABLE PAVEMENT ARE TO BE CONNECTED TO THE CLOSEST STORM WATER MANHOLES. THE ALIGNMENT OF PIPES AND DESIGN OF CONNECTION IS TO BE DETAILED DURING DETAILED DESIGN STAGES.
7. ROOT PROTECTION AREAS ARE SHOWN ONLY FOR EXISTING TREES. PLEASE REFER TO ARBORICULTURE DRAWINGS FOR MORE DETAILS (THAMES YOUNG MARINERS, RIVERSIDE DRIVE, RICHMOND TREE SURVEY PLAN Ref: C157100-01-01).
8. PLEASE REFER TO LANDSCAPE MASTERPLAN PR-200-PEV-XX-XX-DR-L-00200 FOR DETAILS OF PROPOSED LANDSCAPE DESIGN.
9. HEADWALL TYPE AND DESIGN ARE TO BE CONFIRMED DURING DETAILED DESIGN STAGES.
10. THE DRAINAGE NETWORK DESIGN AND THE LOCATIONS OF INSPECTION CHAMBERS SHOWN ARE IN LINE WITH THE MEP DESIGNS AGREED ON SEPTEMBER 2022. CONTRACTOR TO ENSURE THE EXTERNAL DRAINAGE ALIGNS WITH BUILDING PLUMBING DESIGN.
11. DRAINAGE STRATEGY IS DEPENDENT ON CONFIRMATION FROM LEAD LOCAL FLOOD AUTHORITY AND EARLY ENGAGEMENT SHOULD BE ENSURED IN DETAILED DESIGN STAGES.
12. THE MAIN BUILDING AREA IS UNDER RISK OF FUTURE TIDAL INUNDATION UNLESS ADDITIONAL MITIGATION MEASURES ARE EMLACED.
13. DETAILED SURFACE WATER COLLECTION STRATEGY TO BE FINALISED BASED ON DETAILED LEVELS PLAN.
14. THE SURFACE WATER DRAINAGE STRATEGY IS COMPLIANT WITH THE FLOOD RISK ASSESSMENT RECEIVED ON SEPTEMBER 2022 (REF:-20295/FRA REV 1.0)
15. THE PROPOSED RAIN GARDEN TO BE CONSTRUCTED BASED ON DETAILS PROVIDED IN CIRIA C753 SECTION 18.1.1

Rev.	Date	Description	By	Chk'd	App'd
P01	13.10.22	FOR PLANNING	AG	AS	PS

Drawing Suitability: **FOR PLANNING** Status: **S3**

SNC-LAVALIN
NOVA NORTH
11 BRESSENDEN PLACE
LONDON
SW1E 5BY

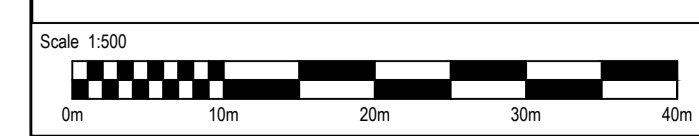
ATKINS
Member of the SNC-Lavalin Group
Tel: +44 (0) 20 7121 2000
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Client: **SURREY COUNTY COUNCIL**

Project Title: **SOLD - THAMES YOUNG MARINERS**

Drawing Title: **PROPOSED SURFACE WATER DRAINAGE LAYOUT**

Scale	Designed	Drawn	Checked	Authorised
1:500	AG	VR	AS	PS
Original Size	Date	Date	Date	Date
A1	15.09.2022	19.09.2022	30.09.2022	13.10.2022
Drawing Number	Revision			
PR-200-ATK-XX-00-DR-C-00001	P01			



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