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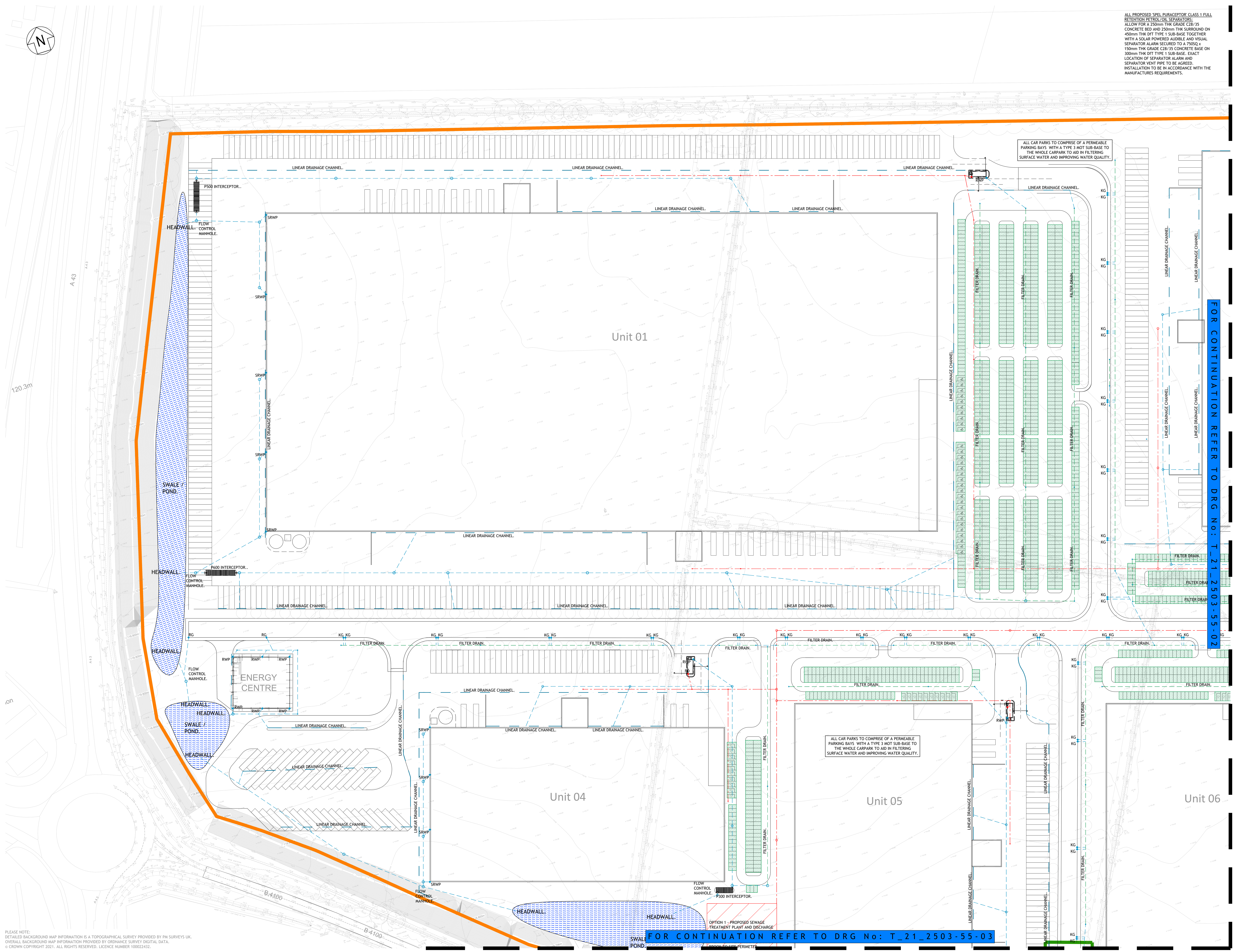

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Notes

1. THIS DRAWING IS THE COPYRIGHT OF TIER CONSULT LTD AND CANNOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM THE COMPANY.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT'S, ENGINEER'S AND SPECIALIST'S DRAWINGS TOGETHER WITH THE APPROPRIATE SPECIFICATION.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNO, FOR THE PURPOSES OF CONSTRUCTION THIS DRAWING MUST NOT BE SCALED AND ONLY WRITTEN DIMENSIONS USED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK ALL DIMENSIONS ON SITE PRIOR TO CONSTRUCTION AND ANY DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER IN WRITING.
4. ALL LEVELS ARE IN METRES UNO & TO OS DATUM.
5. THE WORKS SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING SPECIFICATION.
6. THE LOCATION LINE & LEVEL OF ALL KNOWN EXISTING DRAINAGE PIPEWORK INDICATED ON THE DRAWINGS ARE APPROXIMATE AND FOR GUIDANCE PURPOSES ONLY.
7. CONNECTION TO THE EXISTING PUBLIC SEWERS WILL BE SUBJECT TO THE RELEVANT APPROVALS FROM THE STATUTORY UNDERTAKER.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR EXACT LINE AND LEVEL, BY WAY OF HAND EXCAVATED TRIAL PITS, PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORKS ON SITE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AND MAINTAIN THE STRUCTURAL INTEGRITY OF ALL ABOVE AND BELOW GROUND SERVICE INSTALLATIONS.
9. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THROUGHOUT THE DURATION OF THE CONTRACT A FULL TRAFFIC MANAGEMENT SYSTEM TO ENSURE SAFE PASSAGE OF VEHICLES/PEDESTRIANS IN THE VICINITY OF THE WORKS. ALL TRAFFIC SIGNS, SIGNALS, BARRIERS ETC. SHALL BE IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
10. THE CONTRACTOR SHALL MAKE ADEQUATE PROVISION FOR DEALING WITH AND DISPOSING OF GROUND/SURFACE WATER ENCOUNTERED DURING EXCAVATIONS
11. ALL SOFT / HARD PAVED AREAS AFFECTED BY THE WORKS SHALL BE FULLY REINSTATED FOLLOWING THE INSTALLATION OF ALL DRAINAGE WORKS. ALL SURFACE MARKINGS AFFECTED BY THE WORKS SHALL BE FULLY REINSTATED.
12. ALL SURPLUS EXCAVATED MATERIAL SHALL BE DISPOSED IN A DESIGNATED AREA ON SITE.
13. UPON COMPLETION OF THE WORKS THE CONTRACTOR SHALL PROVIDE AS BUILT SETTING OUT CO-ORDINATE AND LEVEL INFORMATION.
14. PIPEWORK WITH LESS THAN 750mm OF COVER IN TRAFFICKED AREAS TO BE CONCRETE ENCASED. (BEDDING CLASS Z)
15. PIPEWORK WITH MORE THAN 750mm OF COVER TO HAVE CLASS S GRANULAR BED AND SURROUND.
16. POLYPROPYLENE INSPECTION CHAMBERS OF 500Ø >1.2m DEEP TO BE FITTED WITH A REDUCED ACCESS FITTING.
17. SOIL STACKS - WHERE SOIL STACKS SERVE MULTIPLE STOREYS THE STACK REST BEND IS TO BE MINIMUM 750mm BELOW THE LOWEST BRANCH CONNECTION. WHERE SEPARATE STACKS ARE PROVIDED FOR GROUND FLOOR, REST BENDS MAY BE 450mm MINIMUM BELOW THE LOWEST CONNECTION.
18. SVP CONNECTIONS TO BE 100mm DIA UNO.
19. ALL FO AND RWP LOCATIONS TO BE TO BE COMPLETE WITH A LOW LEVEL ACCESS PLATE FOR RODDING.
20. WHERE PROPOSED DRAINAGE PIPEWORK RUNS ARE IN CLOSE PROXIMITY TO THE NEW FOUNDATIONS, THE CONTRACTOR SHALL ALLOW FOR EXTENDING THE DEPTH OF NEW FOUNDATIONS IN LEAN MIX CONCRETE DOWN TO THE PROPOSED PIPE BEDDING LEVEL.
21. THE HYDRAULIC DESIGN HAS BEEN CARRIED OUT IN ACCORDANCE WITH 'CIRIA REPORT C753 THE SuDS MANUAL' AND THE HYDRAULIC DESIGN OF PIPELINES AND OTHER CONDUITS HAS BEEN CARRIED OUT IN ACCORDANCE WITH 'BS EN 16933-2'.

Legend

- OVERALL SITE BOUNDARY.
- PROPOSED SURFACE WATER DRAIN. (TYPICALLY 100Ø FROM RWP AND 150Ø FROM RG/SU UNO)
- PROPOSED SURFACE WATER PCC MANHOLE.
- PROPOSED SURFACE WATER PPIC.
- PROPOSED LINEAR DRAINAGE CHANNEL AND ASSOCIATED SUMP OUTLET.
- RG — PROPOSED TRAPPED ROAD GULLY.
- RWP — PROPOSED RAINWATER DOWN SPOUT.
- SRWP — PROPOSED SIPHONIC RAINWATER DOWN SPOUT.
- KG — PROPOSED KERB INLET GULLY TIES INTO TREE INFILTRATION UNITS.
- PROPOSED PERMEABLE BLOCK PAVING TO PARKING BAYS - 600 DfT TYPE 1 TO FULL CAR PARK AREA WITH FILTER DRAIN.
- PROPOSED FOUL DRAIN (TYPICALLY 100Ø UNO).
- PROPOSED FOUL PCC MANHOLE.
- PROPOSED FOUL PPIC.
- FO — PROPOSED FOUL OUTLET.

NOTE:
ALL EXISTING DRAINAGE TBC.

ALL SURFACE WATER CHAMBERS ARE TO BE PCC UNO
C250 COVERS IN PEDESTRIAN AREAS.
D400 COVERS IN CARPARK AREAS.
E600 COVERS IN ACCESS ROAD AND YARD AREAS.

SIPHONIC BREAK CHAMBERS ARE TO HAVE D400 OPEN MESH COVERS. DETAILS BY SIPHONIC DRAINAGE DESIGNER.

ALL FOUL CHAMBERS ARE TO BE MIN 450Ø HD PPIC UNO C250 COVERS IN PEDESTRIAN AREAS.
D400 COVERS IN CARPARK AREAS.
E600 COVERS IN ACCESS ROAD AND YARD AREAS.

ALL DRAINAGE WITH LESS THAN 750 COVER IS TO BE ENCASED IN MIN 150THK C32/40 CONCRETE - SEE DETAIL DRAWING FOR ENCASING DETAILS.

ALL INTERNAL FOUL OUTLET POINTS ARE TBC.

ALL LINEAR DRAINAGE CHANNELS WITHIN HGV AREAS ARE TO BE GATIC.

ALL LINEAR DRAINAGE CHANNELS WITHIN ROADS ARE TO HAVE D400 HEEL GUARD GRATING.

ACCESS ROAD DRAINAGE:
MAIN ACCESS ROADS ARE TO BE DRAINED VIA KERB INLET GULLYS CONNECTED INTO GEOCELLULAR STRUCTURE ABOVE TREE ROOT LEVEL TO DISPERSE WATER EVENLY INTO ROOT AREAS AND EXCESS WATER COLLECTED BELOW ROOT LEVEL WITH A FILTER DRAIN WRAPPED IN A ROOT PROTECTION MEMBRANE.

SWALES:
ALL SWALES TO BE 2.0m DEEP. TBC UNTIL DETAILED DESIGN.

Rev	Date	By	Description	Chk	App
P6	28.04.2022	CCF	SWALE ADJ ENERGY CENTRE RELOCATED	WNL	PJB
P5	27.04.2022	CCF	UPDATED TO SUIT LATEST SITE PLAN	WNL	PJB

Status
ILLUSTRATIVE

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Client:

Project Title:
SYMMETRY PARK,
ARDLEY,
OX27 8RT.

Drawing Title:
PROPOSED SURFACE WATER AND FOUL DRAINAGE LAYOUT.
SHEET 1.

Drawing Scale:	Drawn By:	Drawing Start Date:
1:750 @ A1	C.C.FITTON	13.12.2021

Drawing No: T_21_2503-55-01
Revision: P6

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