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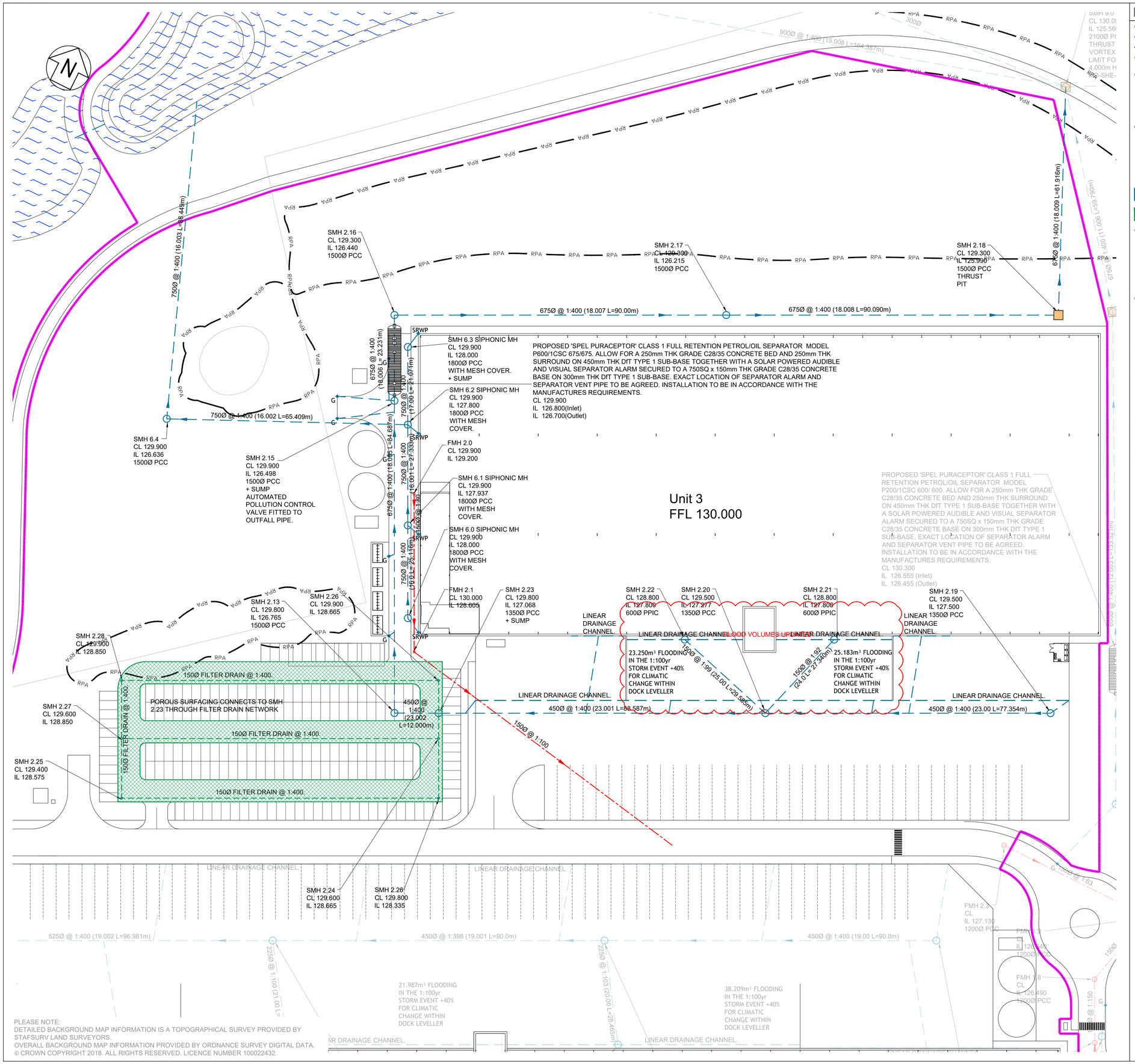

PLEASE NOTE:
DETAILED BACKGROUND MAP INFORMATION IS A TOPOGRAPHICAL SURVEY PROVIDED BY STAFSURV LAND SURVEYORS.
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Legend

- OVERALL SITE BOUNDARY.
- PHASE 1 BOUNDARY.
- Ex. SURFACE WATER PUBLIC SEWER.
- Ex. FOUL PUBLIC SEWER.
- 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.
- G — PROPOSED TRAPPED ROAD GULLY.
- SRWP — PROPOSED SIPHONIC RAINWATER DOWN SPOUT.
- BIG — PROPOSED BACK INLET GULLY.
- RE — PROPOSED RODDING EYE.
- PROPOSED SURFACE WATER CELLULAR ATTENUATION SYSTEM.
- PROPOSED TANKED PERMEABLE BLOCK PAVING WITH FILTER DRAIN.
- PROPOSED FOUL DRAIN (TYPICALLY 100Ø UNO).
- PROPOSED FOUL PCC MANHOLE.
- PROPOSED FOUL PPIC.
- FO — PROPOSED FOUL OUTLET.
- G — PROPOSED FOUL GULLY OUTLET.
- GT — PROPOSED GREASE TRAP.
- RPA — TREE ROOT PROTECTION AREA.

NOTE:
ALL EXISTING DRAINAGE TBC.

ALL SURFACE WATER CHAMBERS ARE TO BE PCC WITH D400 COVERS UNO.

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 WITH D400 COVERS UNO.

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 & LINEAR DRAINAGE CHANNELS TO PERSONNEL DOORS ARE TBC.

ALL LINEAR DRAINAGE CHANNELS WITHIN HGV AREAS ARE TO BE GATIC 300.

ALL LINEAR DRAINAGE CHANNELS WITHIN ROADS ARE TO BE ACO MD100 WITH D400 HEEL GUARD GRATING.

AT THE TIME OF PRODUCING THIS DRAWING NO SRWP, FO AND ACCESS DOOR LAYOUTS HAVE BEEN RECEIVED.

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'.

Rev	Date	By	Description	Chk	App
T1	15.03.2022	CCF	FLOOD VOLUMES IN DOCK LEVELLERS UPDAATED	WNL	PJB

Status
TENDER

TIER CONSULT.
Richmond House,
Sandpiper Court,
Chester Business Park,
Chester | CH4 9QZ
T: 01244 684 900

Client
GRIFFEN

Project
GRIFFEN PARK

Title
PROPOSED DRAINAGE LAYOUT.
PHASE 2 - UNIT 3.

Scale	Drawn	Revision
1:500@A1	C.C.FITTON	T1
Date	Checked	
29.07.2021	J.HALE	

Drawing No :
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