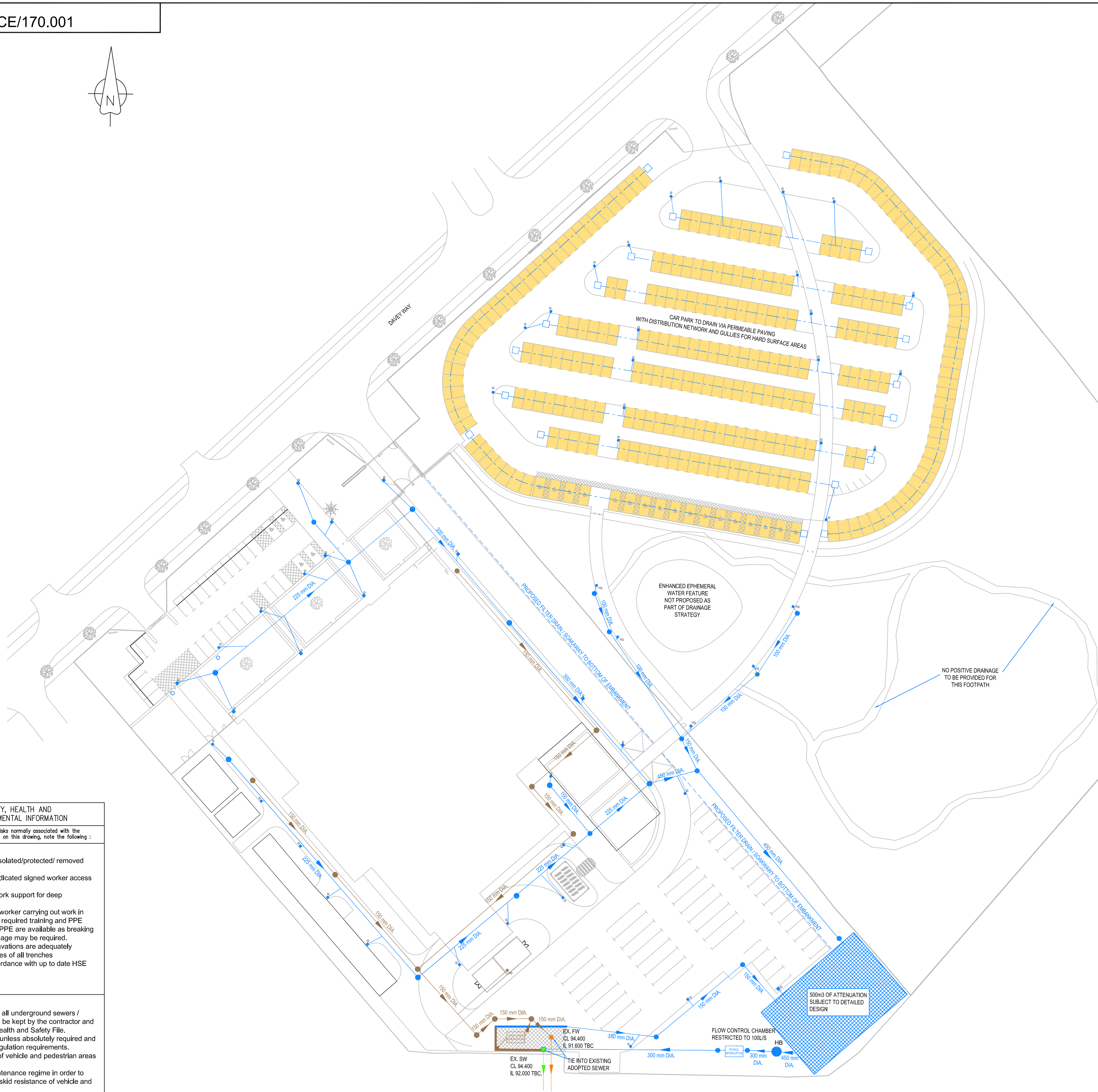




SCALE : 1:500

- KEY:
-  PROPOSED FOUL SEWER
 -  PROPOSED SURFACE WATER SEWER
 -  PROPOSED FILTER DRAIN
 -  PROPOSED PERFORATED PIPE
 -  PROPOSED ATTENUATION
 -  PROPOSED FLOW CONTROL CHAMBER
 -  PROPOSED PERMEABLE PARKING AREAS
 -  PROPOSED SURFACE WATER ACO DRAIN
 -  PROPOSED FOUL WATER ACO DRAIN
 -  PROPOSED PETROL INTERCEPTOR
 -  PROPOSED WASH DOWN INTERCEPTOR
 -  PROPOSED GULLY
 -  PROPOSED YARD GULLY
 -  EXISTING ADOPTED FOUL SEWER
 -  EXISTING ADOPTED SURFACE WATER SEWER
 -  CATCHPI

1. To be read in conjunction with all relevant Architect's and Engineer's drawings and specifications.
2. All dimensions are in mm. (unless otherwise stated).
3. Drainage under buildings to be cast iron socketless pipe and fittings to BS EN 877 and to have Class S granular bed unless within 300mm of the underside of the slab in which case to have Class Z concrete bed & surround. External below ground drainage to comprise of vitrified clay pipes/up to and including 225mm dia), Strength class 120 to BS EN 295 or concrete pipes (over 225mm dia), Strength class H to BS5911.
4. Typically pipes under hard standing to have a class S bedding where cover is greater than 1200mm, where cover is less than 1200mm pipework is to have a class Z concrete surround. Concrete pipes with more than 1200mm cover to have class S bed.
5. Typically, pipes under non-trafficked area to have a class S bedding. Minimum cover 650mm.
6. Manhole cover to be in accordance with BS EN 124 & the manhole schedule, Typically Grade D400 in trafficked areas and Grade B125 in non-trafficked areas.
7. Position, size and invert of existing drains taken from existing survey and CCTV information (if applicable).
8. This drawing to be read in conjunction with other drainage details.
9. All internal drainage chambers and manholes to be provided with double seal cover and frame.
10. All soilstack, soil and vent and internal rainwater pipes to be provided with rodding access points unless otherwise shown.
11. All rainwater gullies to be trapped unless otherwise shown.
12. All soil stack, soil and vent pipe connections to be 150mm internal diameter unless otherwise shown. Air admittance valves to be provided where shown.
13. All abandoned drainage to be grubbed up or grouted unless otherwise shown. Abandoned connections into existing chambers to be filled with 200mm GEN3 concrete plug and benching of chamber to be altered to suit new internal arrangement. (extent of abandonment to be agreed).
14. Rocker pipes to be fitted to all new chambers and new chambers constructed on existing drainage runs.
15. All backdrops to new or existing chambers to be external in accordance with the relevant standard details (if required).
16. All existing drainage to be maintained in working order unless otherwise shown.
17. All connections to existing adopted Welsh Water drainage system to be subject to a Section 106 application. No work to take place on the existing adopted system until this application has been agreed.
18. All existing manhole levels (foul & storm) that are to form part of the revised drainage apparatus must be confirmed prior to the commencement of any works. Any discrepancies are to be reported to the Engineer immediately.
19. Threshold drains to proposed doorways subject to detailed design levels and proposals.
20. Above ground grease traps/enzyme dosing system to be provided to all kitchen areas.
21. All distribution pipes within porous paving and gravel areas to be 100mm internal diameter slotted pipes. Contractor to provide pipe details for approval.
22. All drainage shown including pipe sizes and number of chambers/gullies to be indicative and subject to detailed design.
23. Rainwater pipes and connections have not been shown for clarity. All rainwater from roofs will connect into the indicative surface water system. This will be subject to detailed design proposals.
24. Petrol and silt interceptor sizes are subject to flows and detailed proposals.
25. Soil stack positions and connections (including internal gullies) have not been shown for clarity. These will be subject to detailed design proposals.

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1 City Walk, Leeds, LS11 9DX
Tel: +44(0)113 242 6771 Fax: +44(0)113 389 1389
www.jacobs.com

Client

POLICE AND CRIME
COMMISSIONER OF NORTH WALES

Project	EASTERN COMMAND AND CUSTODY FACILITY
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Drawing title

FOUL AND SURFACE WATER
DRAINAGE STRATEGY

Drawing status	FOR PLANNING
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Scale	1:500 @ A1	DO NOT SCALE
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Jacobs No.	B13055210
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Drawing number	Rev
B1305210/CE/170.001	P0

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