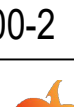


- [illegible]

- ## GENERAL NOTES
1. DO NOT SCALE FOR CONSTRUCTION PURPOSES.
 2. THE CONTRACTOR IS TO CHECK AND VERIFY ALL BUILDING AND SITE DIMENSIONS AND ELEVATIONS, INCLUDING SEWER INVERT LEVELS, BEFORE WORKS START ON SITE. THE CONTRACTOR IS TO COMPLY IN ALL RESPECTS WITH THE CURRENT BUILDING LEGISLATION, BUILDING STANDARDS ETC.
 3. POSITIONS OF EXISTING SERVICES/STATUTORY REQUIREMENTS APPROPRIATE ADJUSTED OR PROPOSED PROPOSED EXCAVATIONS ARE TO BE CHECKED BY THE CONTRACTOR PRIOR TO STARTING WORK.
 4. THE CONTRACTOR IS TO BE RESPONSIBLE FOR IDENTIFYING AND CHECKED AGAINST ALL OTHER DRAWINGS, ENGINEERING DETAILS, SPECIFICATIONS AND ANY OTHER RELEVANT GEOTECHNICAL INFORMATION. THE FIRST DOCUMENT PROVIDED, ANY ANOMALY OR CONTRADICTION BETWEEN ANY OF THE ABOVE IS TO BE REPORTED TO THE DEVELOPERS ENGINEER.
 5. THE CONTRACTOR IS TO BE RESPONSIBLE OF THE OS DATUM.
- ## DRAINAGE NOTES
1. ALL PRIVATE DRAINAGE SHALL BE IN ACCORDANCE WITH BS8301 AND RELEVANT SPECIFICATIONS OF APPROVED MANUFACTURERS.
 2. THE CONTRACTOR IS TO CHECK THE LEVEL OF EXISTING SEWERS BEING USED AS OUTFALLS OR CROSSING PROPOSED DRAINAGE RUNS PRIOR TO LAYING ANY PIPES. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER.
 3. PRIVATE DRAINAGE SHALL BE FLEXIBLY JOINTED PLASTIC OR CLAY PIPEWORK, DIAMETER 100mm UNLESS OTHERWISE SPECIFIED.
 4. PRIVATE DRAINAGE FOR HOUSE DRAINAGE SHALL BE 100mm UNLESS NOTED OTHERWISE AND MUST EXTEND 500mm BEHIND THE BACK OF FOOTPATH/HOMEZONE LADY CONNECTIONS WHEN LAD SHALL BE PLUGGED, PROTECTED AS NECESSARY AND MARKED WITH A STAKE FOR FUTURE USE. ALL FW DRAINAGE LATERALS SHALL BE ADAPTABLE SURFACE WATER SYSTEM TO BE 100mm FOR PRIVATE DRAINS WHERE COVER TO PIPES IS LESS THAN 800mm IN VEHICULAR AREAS OR 600mm IN FOOTPATHS. PROTECTION SHALL BE FORM OF A 100mm THICK CONCRETE SURROUND.
 5. WHERE PIPES PASS THROUGH SIDE WALLS, FOOTINGS OR FOUNDATIONS SHALL BE PROTECTED BY COVERED OVER UNDER BUILDINGS PIPES SHALL BE SURROUNDED WITH 150mm THICKNESS OF GRANULAR MATERIAL.
 6. WHERE DRAINS PASS WITHIN 1m OF BUILDINGS THE WALL FOUNDATION SHALL BE TAKEN DOWN BELOW THE INVERT OF THE PIPE.
 7. WHERE DRAINS DO NOT EXCEED 600mm DEEP, PLASTIC OR CLAY ACCESS FITTINGS MINIMUM DIAMETER 225mm OR PIPES SHALL BE USED. ELSEWHERE PROPRIETARY PLASTIC OR PRECAST CONCRETE INVERTS SHALL BE USED.
 8. ALL COLLIES AND RAINWATER DOWNPIPES CONNECTED TO PRIVATE DRAINAGE SHALL BE TO BE 100mm LEVELS AT DRAINAGE RUNS POINTS ARE INVERTS.
 9. WHERE POSSIBLE, DRAINAGE RUNS SHOULD BE LAD AT A MINIMUM 1:30m FALL TO THE OUTLET.
 10. WHERE PRACTICAL TO ALLOW FOR FUTURE EXTENSIONS, DRAINAGE SHALL BE LAD UPSTREAM AND EACH RUN SHALL BE BACKSLOPED TO THE OUTLET.
 11. WHERE PRACTICAL TO BACKSLOPE, WHERE THIS IS NOT PRACTICAL, TRAP HOLES OR OTHER MEANS OF IDENTIFYING THE LINE AND INVERT SHALL BE CARRIED OUT PRIOR TO WORKS COMMENCING.
 12. ALL BRANCH DRAINS, OR CONNECTIONS, ARE TO DISCHARGE INTO THE COLLECTOR UNOBLIQUELY, AND IN THE DIRECTION OF THE MAIN FLOW.
 13. ALL LOW SPOTS ON HARSHLANDING AREAS TO HAVE DRAINAGE LAD.
 14. ALL ADAPTABLE SURFACE WATER LATERALS ARE TO BE 150mm UNLESS NOTED OTHERWISE.
 15. ALL PRIVATE FUL LATERALS ARE TO BE 100mm UNLESS NOTED OTHERWISE.
 16. ALL PRIVATE FUL CHANGERS IMMEDIATELY OUTSIDE THE PROPERTY ARE TO BE 150mm UNLESS NOTED OTHERWISE FROM THE FFL OR 600mm FROM THE EXTERNAL LEVEL.
 17. DRAINAGE TO BE ADAPTED UNDER A SECTION 104 DRAINAGE SHALL BE 150mm UNLESS NOTED OTHERWISE WITH SEWERS FOR ADIPTION 7TH EDITION INCLUDING THE LOAD ADDENDUMS.
 18. REFER TO MANHOLE SPECIFICATIONS FOR FURTHER INFORMATION.
 19. ALL MANHOLE USED TO LATERAL DRAINS ARE TO BE EITHER 1500mm OR 900mm.
 20. ALL LATERALS OF 100mm DIAMETER ARE TO HAVE A MINIMUM GRADIENT OF 1 IN 80 AND A MAXIMUM GRADIENT OF 1 IN 5.
 21. ALL CONNECTIONS ARE TO BE SOFT TO SOFTEN CONNECTIONS UNLESS OTHERWISE SPECIFIED.

A 16:12:25 Updated to suit latest site layout.
Redlines

Project:	Caelerion Campus Newport		
Client:			
Drawing:	Section 73 Engineering Plan Sheet 2 of 4		
Scale:	1:250 @ A0	Date:	April 2025
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Drawing No:	10338-400-2		Rev: A



PHOENIX DESIGN

Pottery Ltd.

Unit 8, Westway Gateway,
Mansel Road, Brierley Bay, Newport
NP23 5TH
Tel: 01793 479650
Email: enquiries@phoenixdesign.co.uk

☐ On Line, Check Business Plan, Upper Shop, Pottery Studio, 10338-400-2
☐ GFTB Ref: 103 264 0771
www.phoenixdesign.co.uk

☐

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