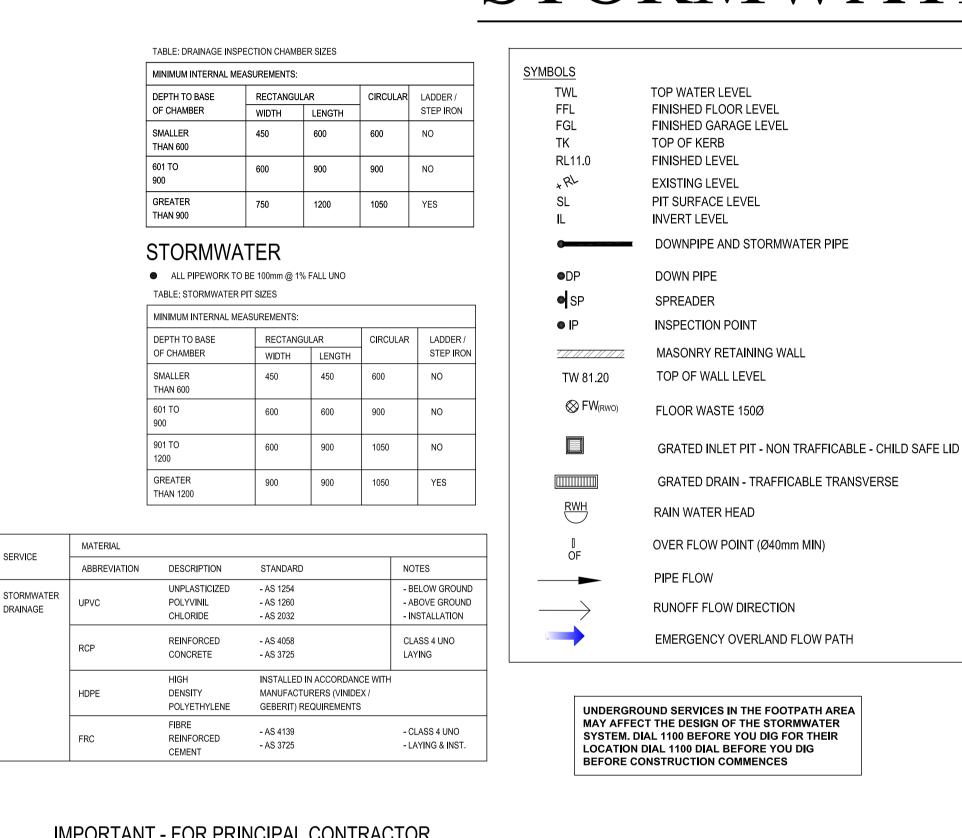
Portes Project & Services Pty Ltd

CIVIL & STRUCTURAL ENGINEERING CONSULTING

STORMWATER DESIGN



IMPORTANT - FOR PRINCIPAL CONTRACTOR

TO ENABLE THE ISSUE OF STORMWATER CERTIFICATION PERMITTING OCCUPATION IN ALIGNMENT WITH COUNCIL LEGISLATION, SITE INSPECTIONS MUST OCCUR. THE PRINCIPAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL STORMWATER INSPECTIONS. ABSENCE OF INSPECTION WILL PREVENT ISSUE OF STORMWATER CERTIFICATION. SITE INSPECTIONS ARE TO BE COMPLETED BY PORTES PROJECTS & SERVICES (PPS) AS FOLLOWS:

RAINWATER STORAGE VERIFICATION CHECKLIST OF CERTIFICATION ITEMS FOR VERIFICATION BY SURVEYOR AVERAGE STORAGE TANK DIMENSIONS: AVERAGE LENGTH AVERAGE WIDTH AVERAGE DEPTH AVAILABLE VOLUME OF STORED WATER (BETWEEN PUMP SUCTION & OVERFLOW LEVEL) COVER LEVEL OF TANK ACCESS THE SURVEYOR SHALL ADVISE ON ANY VARIATION TO THE APPROVED TANK LEVELS AND THIS INFORMATION SHALL BE CLEARLY MARKED ON THE AS-BUILT DRAWINGS. NAME OF SURVEYOR: DATE: DETENTION STORAGE VERIFICATION CHECKLIST OF CERTIFICATION ITEMS FOR VERIFICATION BY SURVEYOR AVERAGE STORAGE TANK OR BASIN DIMENSIONS: AVERAGE LENGTH AVERAGE WIDTH AVERAGE DEPTH AVAILABLE VOLUME OF STORED WATER (BETWEEN ORIFICE & OVERFLOW LEVEL) SPOT LEVELS: TOP OF BASIN WALL OR TANK OVERFLOW LEVEL = RL GRATE LEVEL OF CONTROL PIT OR TANK ACCESS CENTRE OF ORIFICE COMPONENT SIZES: DIAMETER OF ORIFICE mm DIA DIAMETER OF OUTLET PIPE mm D**I**A SIZE OF OPENINGS IN DEBRIS SCREEN mm X THE SURVEYOR SHALL ADVISE ON ANY VARIATION TO THE APPROVED TANK LEVELS AND THIS INFORMATION SHALL BE CLEARLY MARKED ON THE AS-BUILT DRAWINGS. NAME OF SURVEYOR: DATE:

GENERAL NOTES

- CONFIRM LOCATION, SIZE, CONDITION AND LEVELS OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORK
- ALL WORK TO BE IN ACCORDANCE WITH SPECIFICATION, AUTHORITIES REQUIREMENTS, BCA AND RELEVANT AUSTRALIAN STANDARDS (IN PARTICULARLY AS 3500)
- DISCONNECT, CAP OFF AND REMOVE ALL EXISTING, REDUNDANT SERVICES TO AUTHORITIES APPROVAL
- ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND OTHER CONSULTANTS DOCUMENTS. ALL DISCREPANCIES SHALL BE REFERRED TO THE PROJECT MANAGER BEFORE PROCEEDING WITH THE
- LOCATION OF ALL PIPEWORK IS DIAGRAMMATIC ONLY FINAL LOCATION TO BE CO-ORDINATED ON SITE AND APPROVED BY THE PROJECT MANAGER PRIOR TO COMMENCEMENT OF ANY WORK

GENERAL DRAINAGE NOTES:

DOWN PIPE = $65M^2$

- 1. ALL GRATED DRAINAGE PITS ARE TO BE BENCHED OR STREAMLINED, UNLESS NOTED OTHERWISE.
- 2. ALL DRAINAGE PIPES ARE TO BE UPVC GRADE, UNLESS NOTED OTHERWISE.
- 3. THE MINIMUM COVER OVER ALL DRAINAGE PIPES IS TO BE 150mm. 4. ALL DRAINAGE PIPES ARE TO HAVE A MINIMUM PIPE GRADIENT OF 1.0%.
- 5. ALL DRAINAGE PITS ARE TO BE INSTALLED WITH A CHILD PROOF SAFETY LATCH ON THE ACCESS GRATE.
- 6. ALL DOWNPIPES ARE TO BE 100 x 75 SQUARE BOX OR 100Ø CIRCULAR SECTIONS UNLESS NOTED OTHERWISE MAXIMUM PROJECTED ROOF AREA PER
- 7. ALL INLET & OUTLET PIPES SHALL BE CUT FLUSH WITH PIT WALL
- 8. PROVIDE ALL GRATED PIT LIDS TO BE HINGED AND FITTED WITH AN APPROPRIATE CHILDPROOF LOCK-DOWN SYSTEM
- 9. ALL PITS TO BE CONSTRUCTED ARE SHOWN IN CONCRETE, HOWEVER PRECAST OR BRICK PITS OF SIMILAR SIZE AND CONSTRUCTION AND TO THE SAME LEVELS ARE ACCEPTABLE
- 10. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE & LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS.
- 11. ALL PITS IN DRIVEWAYS TO BE 600x600 INTERNAL AND ALL PITS IN

LANDSCAPED AREAS TO BE 450x450 INTERNAL UNO

- 12. ALL WORK DO BE DONE IN ACCORDANCE WITH AS/NZ 3500.3:1998 AND
- COUNCIL SPECIFICATIONS.

RESERVE INCLUDING PIPE CONNECTION TO KERB & GUTTER

13. COUNCIL APPROVAL REQUIRED FOR ANY STORMWATER WORKS IN THE ROAD

DRAWING LIST

- **GENERAL NOTES**
- SITE LAYOUT GENERAL
- CARPARK / BASIN LOCALIZED LAYOUT PLAN
- CARPARK / BASIN BASE LAYOUT PLAN
- CARPARK SUSPENDED SLAB LAYOUT PLAN
- **SECTIONS & DETAILS**

*SURVEY OF RAINWATER & ON-SITE DETENTION STORAGE & WORKS-AS-EXECUTED STORMWATER DRAWINGS (MANDATORY) TO BE PROVIDED TO PPS PRIOR TO INSPECTION

MINIMUM PRIOR NOTICE OF TWO WORKING DAYS (& PREFERABLY AT LEAST A WEEK) SHOULD BE PROVIDED IN ORDER TO ARRANGE A SITE INSPECTION BY PPS WITHIN THE SYDNEY METROPOLITAN AREA

CALARDU PENRITH PTY LTD ABN 90 279 307 491

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PROJECT TITLE: PENRITH HOMEMAKER CENTRE CNR. MULGOA ROAD AND WOLSELEY STREET, PENRITH

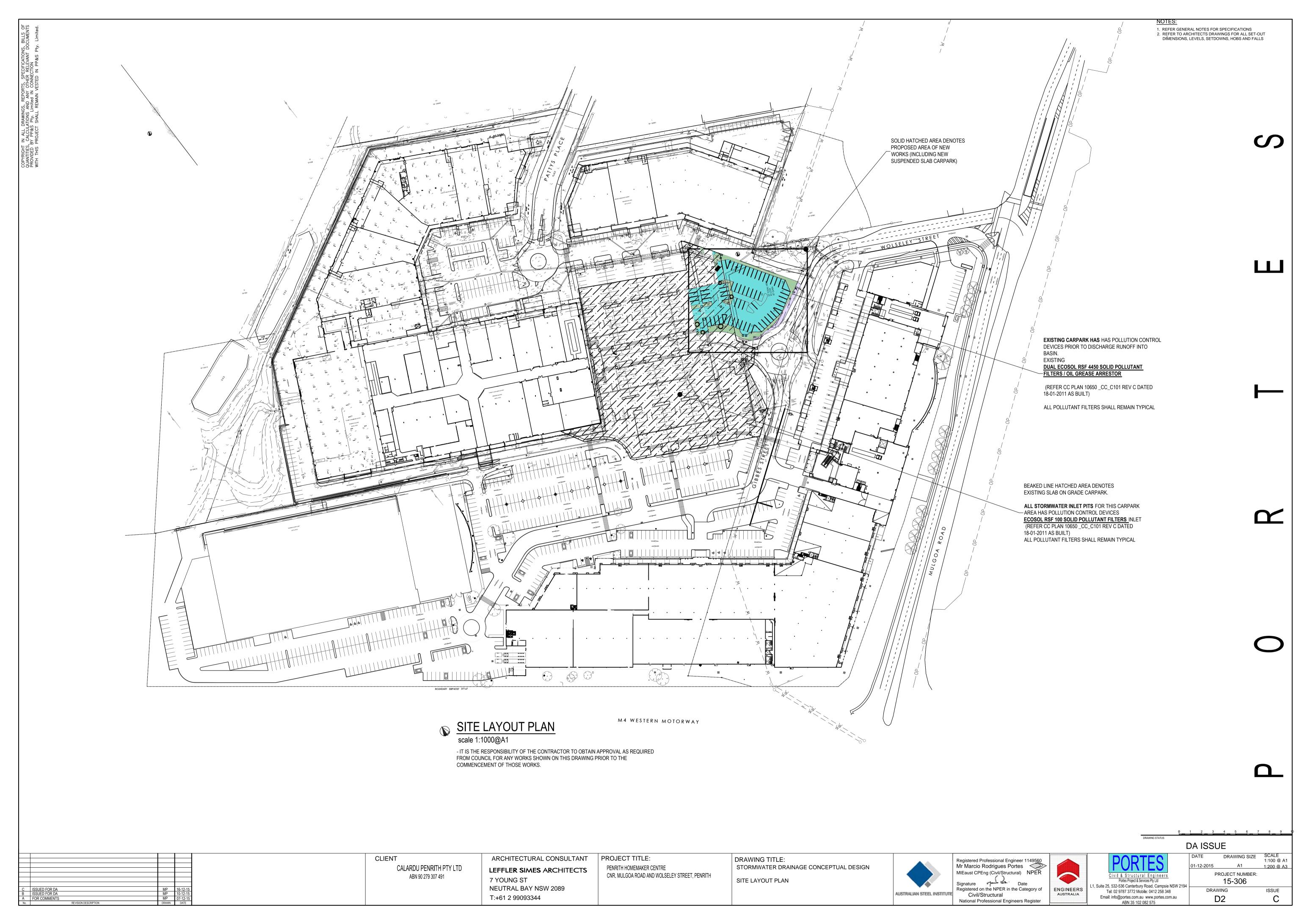
DRAWING TITLE: STORMWATER DRAINAGE CONCEPTUAL DESIGN STORMWATER DRAINAGE NOTES

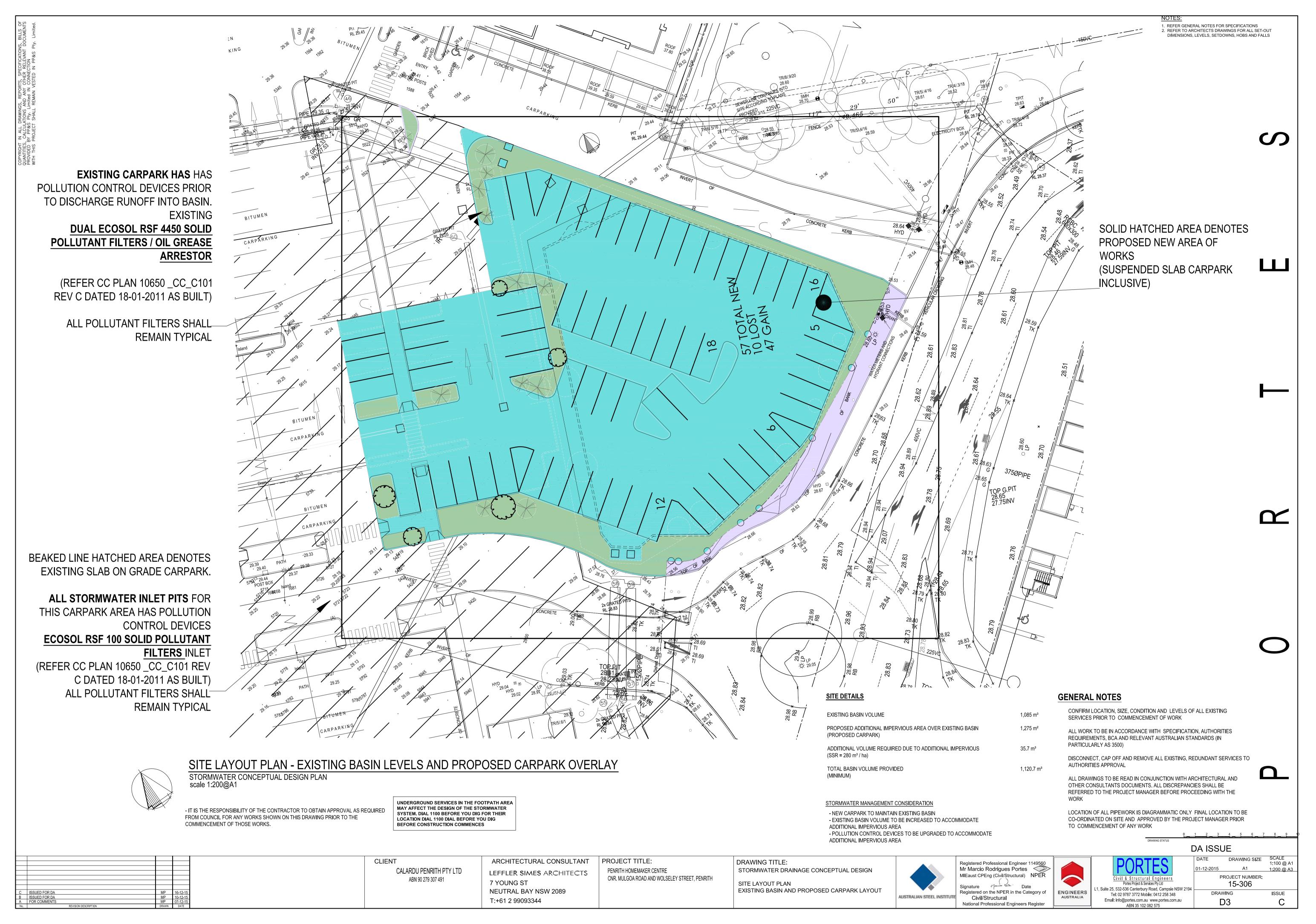
Registered Professional Engineer 1149560
Mr Marcio Rodrigues Portes MIEaust CPEng (Civil/Structural) NPER Registered on the NPER in the Category of Civil/Structural

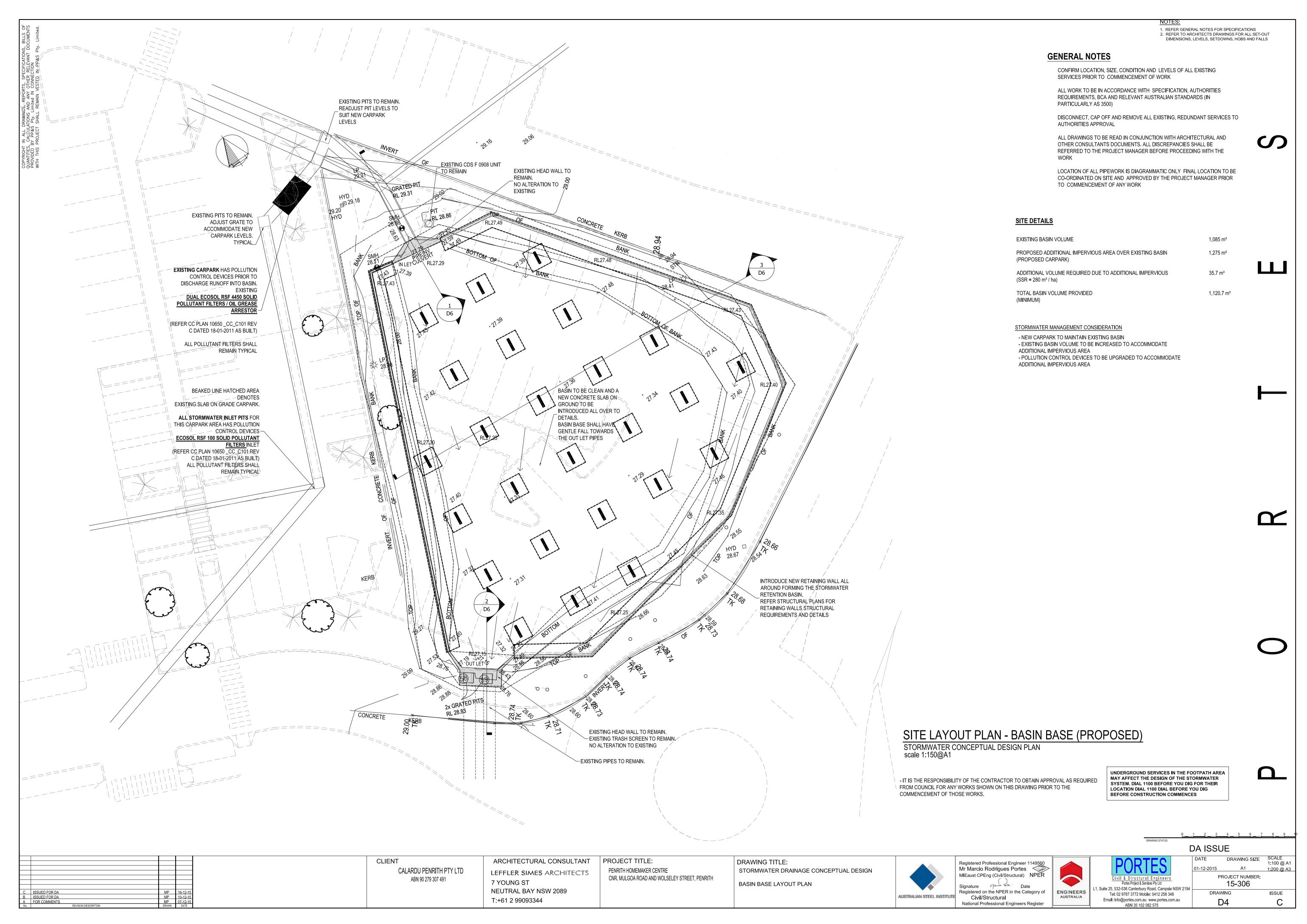
National Professional Engineers Register

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IN PROGRESS ISSUE DRAWING SIZE SCALE 1:200 @ A3 PROJECT NUMBER: 15-306 DRAWING







Document Set ID: 6983854 Version: 1, Version Date: 05/01/2016

