

# CPD **LIVE**

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This CPD seminar entitles you to 1 formal CPD point. Please be aware you are required to manage your own CPD records. We will provide you with your participation certificate and CPD evaluation based on our attendance records post event and your completion of the below questionnaire.

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**The below answer sheet is for your own self-assessment.**

**Please keep your completed questionnaires and answers on file for your record.**

**These do not need to be sent to the AIA or to CPD Live. CPD-Live will send you a Refuel certificate.**

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## WATER MANAGEMENT SOLUTIONS: FUTURE PROOFING DRAINAGE

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1. When considering a project on site what are the important aspects to take into consideration in relation to drainage, runoff and groundwater issues?
  - Size of surface area that the proposed drainage will accommodate
  - Other sources of water such as runoff from other areas such as roofs, downpipes, outside influences (neighbouring lots)
  - Adequate stormwater pipe sizing
2. Aesthetics are important so how can drainage be visually appealing or even hidden and so not dominate an area?
  - Installing slot designed drainage to minimize the visual aspect of the drainage system
  - Utilising catchment pits and selected areas to minimize the visual aesthetics of linear drainage systems.
  - Utilising drainage designs such as Bio swales to capture surface water runoff
3. Who is best placed to help when a project is in concept stage to achieve optimum drainage and minimise or even eliminate water waste?
  - For commercial applications: Civil engineer
  - For residential applications: Plumber

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4. What is best practice when it comes to drainage?
  - To first work out where the water sources are coming from
  - Once you know the main sources that will determine the type of drainage you need
  - This will also determine the configuration of drainage and the accessories needed
  - Your environment & application will determine the grates used (trafficable, pedestrian, grates suitable for salt affected areas etc)
  
5. What are the requirements, rules and regulations to be met when specifying product and process for drainage on projects? Is there a difference between products?
  - AS/NZS 3500.3, national plumbing and drainage, stormwater drainage - acceptable solutions
  - AS3996 - Access covers & grates - vehicular and pedestrian areas
  - AS1428 - design for access and mobility. For a system to be accessible it needs to adhere to standards AS1428