1. Title	Design typical drainage systems
2. Code	EMPDDE402A
3. Range	Apply operating principles of various types of drainage systems to design typical drainage systems and calculate the system load according to design outline and standards.
4. Level	4
5. Credits	4
6. Competency	Performance Requirements 6.1 Know about various types of drainage system design ♦ Understand the design plans and procedures for various types of drainage systems including: • Drainage system • Storm-water drainage system ♦ Understand the operating principles, characteristics, performance and energy efficiency of various types of drainage systems ♦ Understand typical system designs for buildings such as residential buildings, commercial and industrial buildings ♦ Understand regulations for monitoring various types of drainage systems to ensure that the design complies with the requirements 6.2 Design typical drainage systems and calculate system load ♦ Design the system and calculate the system load according to client's requirements ♦ Draft/work out a design outline for client's consideration ♦ Follow the existing legislations and standards to ensure the compliance of local and international standards and requirements 6.3 Professionalism in designing typical drainage systems ♦ Design typical drainage systems according to design outline, the code of practice and technical guidelines
7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: (i) Capable to design typical drainage systems and calculate the system load.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic design knowledge.