



# SEWER REHABILITATION AND PROPERTY CONNECTION

## COURSE DESCRIPTION

This course is designed to provide a basic understanding on the methodology for sewer rehabilitation and property connections. Topics include structural and hydraulic rehabilitation, identifying location of failed sewer, network flow monitoring, CCTV inspection, sewer grading, rehabilitation options, selection criteria and technical considerations and procedures for property connections.

## COURSE OBJECTIVES

At the end of the course, participants will understand and be familiar with:

- The needs for sewer rehabilitation
- The investigation methodology to identify failed sewer
- The options for sewer rehabilitation
- The technical consideration for property connections
- Procedures in carrying out connection after sewer construction and connection to existing sewers

## COURSE CONTENT

### Part A- Sewer Rehabilitation

- Needs for Sewer Rehabilitation
  - Structural Rehabilitation
  - Hydraulic Rehabilitation
  - Triggers For Sewer Rehabilitation
- Investigation
  - Identifying Location For Failed Sewer
  - Network Flow Monitoring
  - CCTV Inspection
  - Sewer Grading
  - Priorities Of Structural Rehabilitation

- Rehabilitation Options
  - Conventional Method
  - Renovation
  - On Line Replacement
  - Off Line Replacement
- Selection Criteria

### Part B - Property Connections

- Technical Consideration
- Procedures
  - Connection After Sewer Construction
  - Connection To Existing Sewers

## DURATION

1 Day

## WHO SHOULD ATTEND

Engineers and Technical personnel involved in sewer rehabilitation works or property connections

## COURSE FEE

RM550.00 per person

## COURSE SCHEDULE

9.00am - 10.45am	<input type="checkbox"/> Needs for Sewer Rehabilitation <input type="checkbox"/> Investigation
10.45am - 11.00am	Coffee/Tea Break
11.00am - 1.00pm	<input type="checkbox"/> Rehabilitation Options
1.00pm - 2.00pm	Lunch
2.00pm - 3.45pm	<input type="checkbox"/> Selection Criteria <input type="checkbox"/> Technical Consideration
3.45pm - 4.00pm	Coffee/Tea Break
4.00pm - 4.45pm	<input type="checkbox"/> Procedures <ul style="list-style-type: none"> <li>• Connection After Sewer Construction</li> <li>• Connection To Existing Sewers</li> </ul>
4.45pm - 5.30pm	<input type="checkbox"/> Video Demo & Discussion