

BMA Waste Water Project Phase II – Yannawa Installation of Interceptor Chamber Connections By Directional Drilling

Specialist knowledge and a willingness to invest in new technology enabled Hammersmith to offer a highly professional and technically advanced solution to the demanding lateral connection problems faced on the BMA Waste Water Project (Phase II) Yannawa Project.

The use of a modified directional drill to carry out all elements of the connection, including tunnel wall core drilling, PVC sleeve jacking, klong wall core drilling, directionally controlled pilot bore and bentonite assisted service pull-back, offered the client a valuable saving in resource commitment and allocation.



**“SPECIALIST SOLUTIONS
FOR THE
CONSTRUCTION INDUSTRY”**

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PROJECT DETAILS

Project Title

BMA Waste Water Project Phase II – Yannawa Works

Client

Samsung – Lotte– CEC Joint Venture

Project Details

600 lm of 150mm diameter lateral connections including tunnel and klong wall coring, soil stabilization / leak sealing and repair works. Also carried out all connection leak sealing and repair works for all connections carried out by other contractors

Equipment

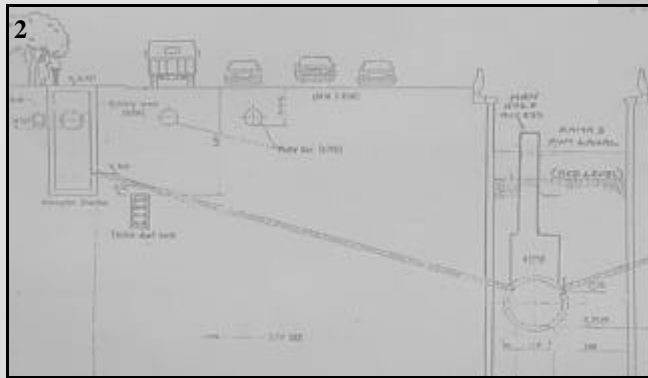
Modified MH10 Directional Drill

Completion Date

July, 1999

BMA Waste Water Project Phase II – Yannawa

KEY



- 1 Standard access into main sewer line system. – 1.0m x 1.0m manhole.
- 2 Set out drawing of typical works location
- 3 Modified directional drill lowered into the tunnel system through a standard manhole.
- 4 Realigned in the tunnel for ease of transport to the set up location.
- 5 Core drilling tunnel wall.
- 6 Sleeve jacking to klong wall.
- 7 Directional drilling of pilot bore.
- 8 Surface detection of drill head location during pilot bore.
- 9 Core drilling at interceptor chamber
- 10 Service pipe being pulled from IC into tunnel.
- 11 Back reamer emerging into tunnel.
- 12 Prepared connection at tunnel end prior to grouting.
- 13 Grouting in progress.
- 14 Finished connection including welded PVC flashing detail.

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