

Preparation of detailed layout and profile for transmission main of size ranging from 900 mm to 2200 mm for CH2MHILL, Singapore

Singapore

Project Brief

The Public Utility Board (PUB) is implementing a NEWater Infrastructure Plan (NIP) to augment the supply of NEWater to various zones across Singapore. The project includes an 84 Km long transmission main network, service reservoir, chemical dosing facilities etc. The NEWater transmission main consists of large carbon steel pipes of diameters varying from 2200mm to 900mm. CH2MHILL is the Design Consultant for the NEWater project. CH2MHILL appointed TTI as their sub-consultants to design the pipeline profiles and develop tender drawings.

The scope of work for TTI included

- Collation of preliminary layout drawings prepared by CH2MHILL for the approved route.
- Collation of standard drawings prepared by CH2MHILL
- Discuss and agree with CH2MHILL the design criteria and standards to be adopted and obtain a duly endorsed design criteria/principle from CH2MHILL
- Based on the above documents, design criteria and the design check list memo prepared by CH2MHILL, prepare a layout and profile for the transmission main.
- Prepare standard details and drawings of air valve chamber, washout chambers, pipe-jacking chamber etc

The project commenced in October 2007 and was completed in February 2008.

Client Name.

CH2M Hill Consulting Engineers, Singapore

Project Period

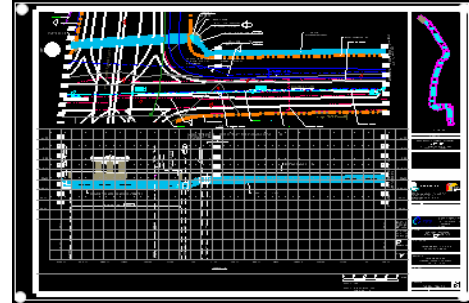
November 2007- February 2008

Consultant's Fee (USD).

US\$ 75,000.00

Staff involved in the Project

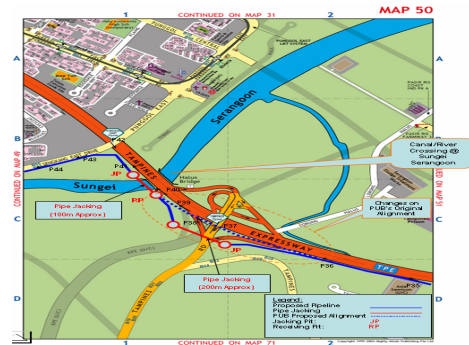
K.Rajasekharan, Technical Director
N.Balaji, Group Head
B.K.Anand, Project Engineer
Baig, Project Engineer
Ravi Kiran, Project Engineer
Suresh, Project Engineer



Plan and Profile



Pipe Jacking location



Location Plan of NEWater Pipeline

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