



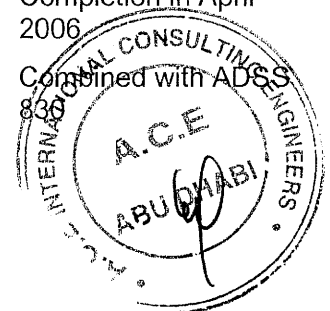
Date: 5th October 2005
Ref.:

To Whom It May Concern:

This is to certify that ACE International – Consulting Engineers have been appointed as Consultants to Sewerage Directorate of Abu Dhabi Municipality on 28 May 1998. Since that time they have been charged with the preparation, design and supervision of the **Sewerage and Surface Water Drainage Master Plan for the Mussafah East area** and the preparation of the **Sewerage and Surface Water Drainage Projects for Muhammad Bin Zayed City** in Mussafah East.

Up until today, the following Contracts, which are at various stages of design and construction, have prepared:

ADSS 801	Sewerage and Surface Water Drainage Project for Muhammad Bin Zayed City – Phase 5	Completed 2002
ADSS 802	Sewerage and Surface Water Drainage Project for Muhammad Bin Zayed City – Phase 6	Completed 2002
ADSS 803a	Mussafah East Sewerage Master Plan Gravity Line from PS 6 to Manhole 64	Completed 2003
ADSS 803b	Mussafah East Sewerage Master Plan Gravity Line from Manhole 64 to Manhole 35	Completed 2004
ADSS 803c	Mussafah East Sewerage Master Plan Gravity Line from Manhole 35 to Main Pumping Station 17	Completed 2004
ADSS 804/1	Main Pumping Station 17 – Civil Works	Completion 2005
ADSS 804M	MPS 17 Electro-mechanical Works	Completion 2005
ADSS 804/2	MPS 17 Pressure Mains	Completion 2005
ADSS 805	Mussafah East Surface Water Drainage Master Plan	Completed 2004
ADSS 806	Sewerage and Surface Water Drainage Project for Muhammad Bin Zayed City – Phase 7	Completed 2003
ADSS 809	Sewerage and Surface Water Drainage Networks at Muhammad Bin Zayed City – Phase 10	Completion in April 2006
ADSS 810	Sewerage and Surface Water Drainage Networks at Muhammad Bin Zayed City – Phase 11	Combined with ADSS 830



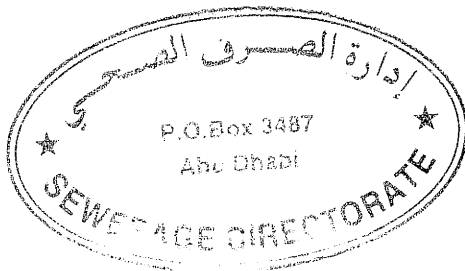


ADSS 811	Sewerage and Surface Water Drainage Networks for Sector Z34 at Muhammad Bin Zayed City – Phase 12	Combined with ADSS 830
ADSS 817	Sewerage, Surface Water Drainage and Rectification of Existing Networks for Muhammad Bin Zayed City	Awaiting award
ADSS 830	Project for Sewerage and Surface Water Drainage Works at Muhammad Bin Zayed City	Construction in 2005

All Contracts above, part of the Abu Dhabi Sewerage Scheme, have a total estimated value of 738,000,000 Dirhams approximately. Of this total, 474,130,350 Dirhams represent projects completed or nearing completion.

For any further information please do not hesitate to contact the undersigned.

Engineer, Omar Al Aydaros
Director
Sewerage Projects Directorate



Details of ACE International Consultancy
Abu Dhabi Municipality and Town Planning
Sewerage, Surface Water Drainage and Irrigation Project
for Mussafah East Extension

The total length of pipeline constructed by non-disruptive method of construction (NDM / micro-tunneling) in this consultancy is listed in the following table:

Contract	Description / completion date	Length by NDM
ADSS 801	Sewerage and Surface Water Drainage Project for Muhammad Bin Zayed City – Phase 5 (2002)	888.5 m Dia.: 200-300 mm
ADSS 802	Sewerage and Surface Water Drainage Project for Muhammad Bin Zayed City – Phase 6 (2002)	4,349.1m Dia.: 300-600 mm
ADSS 803a	Mussafah East Sewerage Master Plan Gravity Line from PS 6 to Manhole 64 (2003)	5,310.9 m Dia.: 1000, 1200, 1400mm GRP
ADSS 803b	Mussafah East Sewerage Master Plan Gravity Line from Manhole 64 to Manhole 35 (2004)	6,300.5 m Dia.: 800, 1000, 1200, 1800mm
ADSS 803b	Additional Works	1,048.3 m Dia.: 400mm
ADSS 803c	Mussafah East Sewerage Master Plan Gravity Line from Manhole 35 to Main Pumping Station 17 (2004)	3,090.3m Dia.: 800, 1000, 2000mm
ADSS 804/2	MPS 17 Pressure Mains (2005)	1,577.6m by directional Drilling Dia. 630mm HDPE
ADSS 806	Sewerage and Surface Water Drainage Project for Muhammad Bin Zayed City – Phase 7 (2003)	1,143m Dia. 200-300mm
ADSS 807	Sewerage and Surface Water Drainage Project for Muhammad Bin Zayed City – Phase 8 (2004)	3,675m Dia.:300-600mm
ADSS 809	Sewerage and Surface Water Drainage Networks at Muhammad Bin Zayed City – Phase 10 (2006)	475m Dia.: 400mm GRP 1600mm RCP
ADSS 817	Sewerage, Surface Water Drainage and Rectification of Existing Networks for Muhammad Bin Zayed City	400m Dia.: 300, 400mmGRP Dia. 700-1000mm RCP
ADSS 830	Project for Sewerage and Surface Water Drainage Works at Muhammad Bin Zayed City	1280m of 600-1000mm GRP 150m of 1400mm RCP

