

## **5.5 -Approval Certificates in UAE**

UNITED ARAB EMIRATES

TUNISIA AND UNITED ARAB EMIRATES  
ENGINEERING CO.



شركة تونس والامارات العربية المتحدة  
للدراسات والاعمال الهندسية

شركة تونس والامارات العربية المتحدة  
للدراسات والاعمال الهندسية

Date ..... December 15, 1987

Ref. .... S.O.862/C/27/87

التاريخ

المرجع

THE SITE AGENT  
BIN HAFEEZ EST  
P.O.BOX 7180  
ABU DHABI.

TUNISIA - U.A.  
IN F.Z.C

RE: OFFICERS' CITY TOWN ROADS  
VETRIFIED CLAY PIPES

cc- AL kassoni o/c  
V.C.P

Dear Sir,

With reference to your letter 011/ENG/L-044/MAR/s, kindly  
be informed that the proposed Vetrified Clay Pipes as  
manufactured by M/s. Saudi Vitrified Clay Pipe Co. Ltd.  
had been approved.

For your information and records.

Yours faithfully,  
For TUNISIA & UAE ENG. CO.

  
RIAD FARAH  
(RESIDENT ENGINEER)



ABU DHABI P. O. Box : 3497, Tel. 327197

SHARJAH P. O. Box : 2153 Tel. 377760

TUNISIA 10 Av. Aboulhaha El \*

22 October 1991

Ref: C80A2/2/38

M/s. Al Muhairy General Contracting Co.  
P.O. Box No. 46687  
Abu Dhabi, U.A.E.

AL MUHAIRY GEN. CONT. CO. CONTRACT						
RECEIVED 24 OCT 1991						
	Dep.	Act.	Sign.		Dep.	Act.
P. M.			12	Sh. Acc		
D.P.M.				AGM		
Ch. D.S.	X			STCR		
D.E.	X			PCV		
E.D.				Pa.Y		
E.B.				LAD		
E.R.				L.S.		
N.W.				N.O.	X	
N.A.				CHC		
P.A.						

Attention : Mr. Amin Zaghow  
Project Manager

Subject : Abu Dhabi Trip Contract No.80-A2  
Materials Submittal - VC Pipes

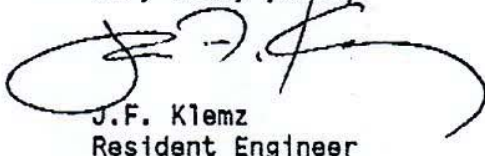
Dear Sirs,

Receipt is acknowledged of your letter Ref. No. C80A2/199-01/016 dated 23 September 1991 concerning the subject materials.

Supply of Vitrified Clay Pipes (300 & 500 mm dia.) manufactured by M/s. Saudi Vitrified Clay Pipe Co. is approved subject to Independent Inspection, Testing and Certification by McClelland-Suhiami Ltd as performed previously.

Please proceed accordingly.

Very truly yours,

  
J.F. Klemz  
Resident Engineer



J.T. Condon  
Project Director - Construction

cc : Municipality Site Representative  
Contract Administrator  
Senior Resident Engineer  
Chief Soils & Materials Engineer

JFK/1d

Consultant:  
**De Leuw, Cather International Limited**  
RMP International, Ltd.  
P.O. Box 6736, Abu Dhabi, United Arab Emirates  
Telephone: ☎ 662400, TWX: 23468, Fax: (02) ~~XXXXXX~~ 660930

المستشارين:  
**ديلو - كاتر العالمية ليمتد**  
ر. م. ب. العالمية ليمتد  
صندوق بريد ٦٧٣٦ ابوظبي - الامارات العربية المتحدة  
تليفون: ☎ ٦٦٢٤٠٠ - فاكس: ٢٣٤٦٨ - ~~XXXXXXXXXXXX~~  
فاكس: (٠٢) ٦٦٠٩٣٠

## MATERIALS APPROVAL TRANSMITTAL

GOVERNMENT OF ABU DHABI  
AL AIN MUNICIPALITY

### FORM "A" FOR PREVIOUSLY APPROVED MATERIAL

All sections of this form must be completed and all copies of the relevant portions of the specifications, drawings, manufacturer's technical data, certifications and test information must accompany this submittal. Where sections are not applicable to the items submitted, the section must be marked "NOT APPLICABLE"

CONTRACT NO.: M-46		REGION / AREA : Al- Ain	
CONSULTANT : M/S. Dr. Ahmed Abdel Warith		DATE SUBMITTED: 03-08-2002	
CONTRACTOR : Bin Hamm Agricultural Co.		SUBMITTAL No.: 2	
Material : VC Pipes & Fittings		Product Name : Vitrified Clay Pipe and Fittings	
Description:		(if appl.):	
Manufacturer's : Saudi Vitrified Clay Pipe Co. P.O.Box 6415, Address : Riyadh, Saudi Arabia		Supplier : Al Karrani Phone No: 02-6731166 Fax No: 02-6731144	
Specification Clause: 8.2.27 (attached & marked)		Previous Contract No. M28F, M17A, M32, Towayya Phase III.	
Relevant Drawings : Attached (attached & marked)		Manuf.Data, Test Cert.: Attached (attached & marked)	
Previous Area of Application / or Limitations (if any) :			
For Sewer Drainage in Al Ain Area			
Material Specifics : (size, class, grade, type strength accessories etc.) Gravity sewer and fittings dia including Y, 45° bend, short pieces, end caps of 150,200mm dia. 150mm dia - L joints, 200mm dia - K joints.			
Proposed Area of Application and/or Limitations (if any) for this Contract:			Quantity :
For Sewer Drainage in Al Ain Labourer's Town Phase I			Pipes:- 150mm dia=2500m. 200mm dia=2300m. Fittings: as required
Contractor's Project Manager <i>Nadi</i>			Date: 3-8-2002

<input checked="" type="checkbox"/> Approved Subject to Performance	<input type="checkbox"/> Not approved	<input type="checkbox"/> Pending further test and information.
<p>Comments: <i>Must comply with National Standards and specs</i></p> <p><i>Rubber must be according to specs.</i></p>		
Consultant's Resident Eng. <i>[Signature]</i>	Department's Material Engineer	Departments' Project Eng. <i>[Signature]</i>
Date: <i>[Signature]</i>	Director <i>[Signature]</i>	
Signed: <i>[Signature]</i>		

*- Rubber Ring must be tested as previous procedure*

RECEIVED TIME 8. SEP. 16:07

Eng. Mahmoud Abu Gebaya

INCOMING

MATERIALS APPROVAL TRANSMITTAL

DATE: 24/8/02  
TIME:

GOVERNMENT OF ABU DHABI  
AL AIN MUNICIPALITY

FORM "A" FOR PREVIOUSLY APPROVED MATERIAL

All Sections of this form must be completed and all copies of the relevant portions of the specifications, drawings, manufacturer's technical data, certifications and test information must accompany this submittal. Where sections are not applicable to the items submitted, the section must be marked 'NOT APPLICABLE'.

CONTRACT NO. : M41/1	REGION/ AREA : Al Ain
CONSULTANT : Maunsell Consultancy Services Ltd.	DATE SUBMITTED : 16.07.2002
CONTRACTOR : Nael & Bin Harmal Hydroexport Est.	SUBMITTAL NO. : 02
Material Description : V.C. Pipes & Fittings	Product Name (if applicable) : N/A.
Manufacturer's Address : M/s. Saudi V.C. Pipe Co. (SVCP) Riyadh, KSA, Tel.: +966 1 4769192	Supplier : M/s. Saudi V.C. Pipe Co. (SVCP) Phone: +966 1 4769192 Fax : +966 1 4782458
Specification Clause : 2.34 (attached & marked)	Previous Contract No. : M45, M24A, M-32, M41 etc.
Relevant Drawings : Included (in catalogue) (attached & marked)	Manuf. Data, Test Cert.: Attached (attached & marked)
Previous Area of Application/ or Limitations (if any): Sewers	Sample : N.A.





Material Specifications: (size, class, grade, type, strength, accessories etc.)  
150mm, 200mm & 250mm Vitrified Clay (VC) Pipes & Fittings

Proposed Area of Application and/ or Limitations (if any) for this Contract:	Quantity:
Sewers	150mm : 5,000 Mtr.
	200mm : 15,800 Mtr.
	250mm : 4,950 Mtr.

Contractor's Project Eng. :  Date : \_\_\_\_\_

Approved subject to Performance  Not approved  Pending further Test and Information

Comments: Must comply with standards, Specs and consultant's instruction NO PIPE older than 3 months shall be used Recent test certificates and periodic tests from MPA be submitted glass used shall be chemical resistant Surfaces and edges shall be free of any irregularity whatsoever

Consultant's Resident Eng. :  Department's Material Eng. :  Department's Project Eng. :  Director : 

Date : \_\_\_\_\_  
Signed : \_\_\_\_\_

Rubber to be EPDM but tested ones

MATERIALS APPROVAL SUBMITTAL (CIVIL)

**GOVERNMENT OF ABU DHABI**  
**AL AIN MUNICIPALITY**  
**FORM "P" FOR PREVIOUSLY APPROVED MATERIALS**

All sections of the form must be completed and relevant copies of specifications, standards, drawings, test certificates, manufacturer's catalogues, compliance statements' checklist, track record, general approval from Al Ain Municipality etc. shall be appended. Where not applicable shall be clearly marked "NA"

<b>Project Name and/ or Area:</b> Sanitary Drainage for the Development of the Area between Al Foah and Hill Fun City (Contract M30C)	<b>Budget of:</b> SDPC - Al Ain Municipality
<b>Consultant:</b> GIBB Ltd. PO Box 16066, Al Ain, UAE	<b>Contractor:</b> Nael & Bin Harmal Hydroexport Est. PO Box 1198, Al Ain, UAE
<b>Submittal No.:</b> 02 <b>Rev.:</b> B	<b>Date Submitted:</b> 11.05.2004
<b>Material:</b> VC Pipes & Fittings	<b>Product Name:</b> NA
<b>Manufacturer's Name &amp; Address:</b> Saudi Vitrified Clay Pipe Co. Riyadh, KSA, Tel. +966-1-4769192	<b>Supplier's Name &amp; Address:</b> Saudi Vitrified Clay Pipe Co. Riyadh, KSA, Tel. +966-1-4769192
<b>Specification:</b> GS 6.24.1	<b>BOQ Reference:</b> 8/1B.1 to 10, 8/5.5 to 8, 11/1.1 to 9, 11/2.1 to 10, 11/3.1 to 8
<b>Relevant Drawings:</b> NA	<b>Test Certificates:</b> Attached
<b>Complying Standards:</b> BS EN 295 Parts 1, 2 and 3	<b>Compliance Checklist:</b> Attached
<b>National Standards Registration:</b> NA	<b>ISO Certification:</b> ISO 9001 : 2000 by TUV CERT
<b>Technical Details:</b> 250mm dia. (BS EN 295) 200mm dia. (BS EN 295) 150mm dia. (BS EN 295)	<b>Quantity (Approximate):</b> 1291 L.M. 25561 L.M. 14075 L.M.
<b>Previous Approval and its scope of application or limitations:</b> Sewerage	<b>Previous Contract/s:</b> M40A, M41/1, M24A etc.
<b>Proposed area of application:</b> Sewerage	<b>Sample:</b> (Provided/ Accessible) Accessible
We certify that the proposed materials comply with contract specification.	
<b>Contractor:</b>	<b>Date &amp; Stamp:</b> 11/05/04

<b>C O N S U L T A N T</b>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved <input type="checkbox"/> Returned	
	<b>Comments:</b> - This approval is subject to compliance with the contract specification.	 <b>Date &amp; Stamp:</b> 11/05/04
	 <b>A.R.E. / M.E.</b>	 <b>R.E.</b>

<b>C L I E N T</b>	<input checked="" type="checkbox"/> Endorsed <input type="checkbox"/> Not Endorsed <input type="checkbox"/> Further Information Required	
	(1) Must comply with standards, specifications and engineer's instruction. (2) Submit separate submittal for rubber gaskets (3) No pipe supplied shall be older than 3 months in age (4) Submit the inspection reports.	
	 <b>Quality Engineer</b>	 <b>Project Engineer</b>
	 <b>DIRECTOR</b>	

HPA - Germany for the last 2 years (5) Always submit in house test reports with every batch (6) There should be correlation between the supplied pipes and the delivery notes such that we can differentiate this project's pipes from other projects.

MATERIALS APPROVAL TRANSMITTAL

GOVERNMENT OF ABU DHABI  
AL AIN MUNICIPALITY

INCOMING

11/2/02

DATE  
TIME

FORM "A" FOR PREVIOUSLY APPROVED MATERIALS

All Sections of this form must be completed and all copies of the relevant portions of the specifications, drawings, manufacturer's technical data, certifications and test information must accompany this submittal. Where sections are not applicable to the items submitted, the section must be marked 'NOT APPLICABLE'.

CONTRACT NO. : M40A	REGION/ AREA : Al Bagh - Al Batteen
CONSULTANT : Freeman Fox International	DATE SUBMITTED : 07-02-1999
CONTRACTOR : Nael & Bin Harmal Hydroexport Est. & Al Fahjan Gen. Cont. Co. (J.V.)	SUBMITTAL NO. : 06
Material Description : V.C. Pipe	Product Name : N.A. (if applicable)
Manufacturer : Saudi Vitrified Clay Pipe Co. Ltd.	Supplier : Al Karrani Group, Abu Dhabi
Address : K.S.A.	Phone : 02 - 731166 Fax:
Specification Clause : 1207 (attached & marked)	Previous Approvals : M32, Al Dhahira, Esharig - Stage II etc.
Relevant Drawings : N.A. (attached & marked)	Manuf. Data & Test certificates : Attached
Previous area of application/ or limitations (if any): N.A.	Sample : N.A.

Material Specifications (size, class, grade, type, strength, accessories etc.)  
Included

Proposed area of application and/ or limitations (if any) for this contract: Sewerage	Quantity: (approx). 25000 L.M.
--	-----------------------------------

Recommended  Not Recommended

6/4/99

Contractor's Eng. & Date \_\_\_\_\_ Consultant's Mat. Eng. & Date \_\_\_\_\_ Consultant's R.E. & Date \_\_\_\_\_

Approval subject to performance  Not approved  Pending further test and information

Comments: ① Must comply with Standards, Specifications & Engineer's Instructions. The relevant Standards are BS 245, BS 65, BS 8301, BS 84, etc. ② Impermeability Based to Crushing Strength, Bending moment capacity test shall be performed for adequacy of the proposed Pipe joint. The manufacturer shall carry out the long term joints Test (on 10 pipes of each pipe size) as per ASTM D 3262 Section 6.1 with the exception of 6.5.1.3. The true pressure head shall be at least 6m. ③ The long term negative pressure head test to be conducted on misaligned joints (1.5° deflection) on 10 pipe joints.

AAM Project Eng. : \_\_\_\_\_ DIRECTOR : \_\_\_\_\_



**Dr. AHMED ABDEL-WARITH**  
Consulting Engineers  
Est. 1957

**Abu Dhabi** P.O.Box : 44485  
Tel. : 6778500  
Fax : 6778552  
**Al - Ain** P.O.Box : 17753  
Tel. : 7516287  
Fax : 7515094  
E-mail : aawemi@emirates.net.ae

Ref. : 16/M51/Y/B/2005  
Date: 21/06/2005

**TO : M/S. BIN HAMM AGRICULTURAL CO.**  
**P.O. BOX 1479 AL-AIN U.A.E**  
**ATTN.: PROJECT MANAGER**

*Dear Sir,*

**Project: Contract No. (M51) Sanitary Drainage & Internal Roads for**  
**(100) Low Coast Houses in Al Yahar.**

**Subject: V.C. Pipes and Fittings - Material Approval.**

With reference to your letter No. M51/S/05/024 dated 14/06/2005, regarding the approval of the material mentioned above.

Attached herewith the approval form of the approved materials on submittal No. 3.

You are instructed to follow the Client & the consultant instructions on the attached approval form.

*Regards,*

Resident Engineer

*Mostafa Mohamed Salem*  
Mostafa Mohamed Salem



C.C. : Sewerage Dept. Project Engineer.  
: Al-Ain office  
: Project file.



Egypt - Cairo Head Office  
P.O.Box : 1534  
Tel. : 7617737  
Fax : 7617736  
E-mail : webmaster@saw.com.cg

Saudi Arabia - Riyadh  
P.O.Box : 4338  
Tel. : 4023387 - 4027011  
Fax : 4069635

Oman - Muscat  
P.O.Box : 2859, Ruwi  
Tel. : 700670  
Fax : 700569

Libya - Benghazi  
P.O.Box : 2720  
Tel. : 94736  
Cable : Liro Const



**MATERIALS APPROVAL SUBMITTAL (CIVIL)**

GOVERNMENT OF ABU DHABI	
AL AIN MUNICIPALITY	
FORM "P" FOR PREVIOUSLY APPROVED MATERIALS	
All sections of the form must be completed and relevant copies of Specifications, Standards, Drawings, Certificate of Registration to National Standards, ISO Certifications, Test Certificates, catalogues, Compliance Statements Checklist, Track Record, Municipality General Approval, etc shall be attached Where not applicable shall be marked "NA"	
Project Name &/or Area: Sanitary Drainage & Internal Roads for (100) Low Cost Houses in Al Yahar - Contract M-51	Budget of: S.D.P.C. - Al Ain Municipality
Consultant: Dr. Ahmed Abdel Warith	Contractor: Bin Hamm Agricultural Co.
Submittal No: 3	Date Submitted: 14/6/2005
Material: V.C. Pipes & Fittings	Product name: Vitrified Clay Pipes & Fittings
Producer/Manufacturer/Fabricator's Name & Address: M/s. Saudi Vitrified Clay Pipe Co. P.O. BOX NO. 6415, Riyadh, Saudi Arabia	Supplier's Name & Address: Mrs. Al Karrani Abu Dhabi, U.A.E.
Tel: 4769192 Fax: 4782458	Tel: 02-6731166 Fax: 02-6731144
Specification: 8.2.27	BOQ Reference: C1-1 & C1-2
Relevant Drawings: Attached.	Test Certificates: Attached
Complying Standard: BS EN 295 Class 160	Compliance Checklist: Attached.
National Standards Registration: N/A	ISO Certification: ISO - 9002
Technical Details: Gravity sewer and fittings dia including Y, 45" bend, short pieces, end caps of 150mm diameter, 150mm dia - L joints.	Quantity: 150mm dia = 750m. Fittings as required.
Previous Approval and Its Scope of application and/or any limitations: For Sewer drainage works.	Previous Contract/s: M28F, M17A, M32, M-46 Towayya Phase III, M50
Proposed area of Application: For Sewer drainage works.	Sample (provided/accessible):
<p>I Certify that the Proposed material complies with Contract Spec.</p> <p><i>Nadhi Mahmood</i> Signature of Contractor's Projects Manager with Date &amp; Stamp</p>	
<p><input checked="" type="checkbox"/> Approved: <input type="checkbox"/> Not approved: <input type="checkbox"/> Returned:</p> <p>Comments: Source approved Subject to Submitt independent Lab test result &amp; Random sample will be taken when deliver at site.</p> <p>Signatures with Date &amp; Stamp: <i>16/06/05</i> ARE / ME</p>	
<p><input checked="" type="checkbox"/> Endorsed: <input type="checkbox"/> Not Endorsed: <input type="checkbox"/> Further information:</p> <p>Comments: Must comply with standards, specifications, etc. Latest inspection reports from MPA Germany to be submitted along with the delivery of</p> <p>① Separate Submittal shall be made for rubber gasket ② there shall be correlation between the delivered pipes &amp; the delivery notes itself</p> <p>Signatures With Dates: <i>pp/ast</i> Project Engineer, <i>[Signature]</i> DIRECTOR</p>	

**RAPCO/ AT. SANAIYA**  
**RECEIVED**  
 19/1/94 0800

CLIENT: WADI ALI MUNICIPALITY  
 CONSULTANT: FREEMAN FOX INTERNATIONAL  
 CONTRACTOR: RAPCO, ROAD & GENERAL CONTRACTING PROJECTS  
 PROJECT: PROJECT FOR THE DEVELOPMENT OF OLD AND NEW SANAIYA AND THE CONSTRUCTION OF BRIDGE ACROSS THE WADI

## REQUEST FOR MATERIAL APPROVAL

Project No: 723 Reference: RR/723/8.2&8.3/VCD/20  
 Use of Material VITRIFIED CALY PIPE & FITTINGS TO BS 65: 1988 & BS 540  
 B.O.O. Ref No 8.2 & 8.3

PROPOSED PRODUCT	MANUFACTURER/ SUPPLIER	REMARKS THE FOLLOWINGS ARE ATTACHED
200 mm & 250 mm Ø VC PIPES & FITTINGS FULLY COMPLYING WITH BS 65 & BS 540 " SUPER STRENGTH " REQUIREMENTS.	MANUFACTURED AND SUPPLIED BY MESSRS SAUDI VC PIPES CO. LTD	1. RELEVANT APPLICABLE MARKED DATA. 2. MANUFACTURER'S TECHNICAL HAND BOOK & BROCHURES. 3. BS 65 4. SAMPLES DESPACHED
CLASS 'SS' STANDARD STRENGTH		
<u>Alternatives</u>		
1		
2		
3		
Submission	DATE: <u>17/1/94</u> TIME: _____ Official Seal	Signature: <u>[Signature]</u> Date: <u>3/2/94</u>

### APPROVAL

Consultant's Comments / Approval

Approved by the Employer

ATT: MR. MAHMOOD ABU JEBRA

FAX: 00966-1-47824  
 roadshabe 58

Official Seal

Signature: [Signature]  
 Date: 10/2/94

D. BALFOUR AND SONS  
CONSULTING ENGINEERS  
P.O. BOX 1419 AL AIN, ABU DHABI - UAE



**BALFOUR**

د. بالفور وأولاده

مهندسون استشاريون

مس. ب: 1419، العين، أبو ظبي، الإمارات العربية المتحدة

TELEPHONE : 6 4 1 9 2 9  
FACSIMILE : 6 5 4 7 2 7  
TELEX: 33510 BALFOR EM  
COMM. REG. NO. : 99/77

Your Ref:

SBD/M33/E/94/004

Our Ref:

RAB/6202/VC/1/AS

التاريخ:

Date:

تاريخ:

15th January 1994

Messrs. Saif Bin Darwish,

Abu Dhabi.

Dear Sirs,

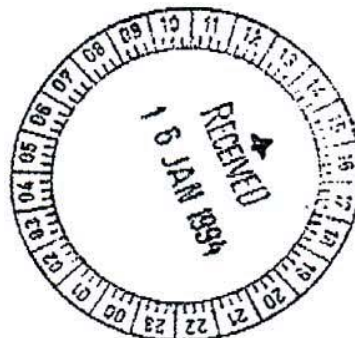
CONTRACT M33  
Sub: V.C. Pipes

We refer to your letter dated 5th January 1994 approve the supply of V.C. Super Strength as manufactured by Messrs. Saudi Vitriified Clay Pipes Co. for the above Contract.

This approval does not relieve you of your contractual obligations.

Yours faithfully,

*[Handwritten signature]*



FACSIMILE MESSAGE  
DATE: 9/11/96  
TIME: \_\_\_\_\_

ATTN: MR. MAHMOUD ABUJERARA

F.P. : BABU  
ALKARZANS GROUP

*[Handwritten signature]*  
9/11/96



**BALFOURS**

بـالفـورز

D. BALFOUR AND SONS  
CONSULTING ENGINEERS  
P.O. BOX 1419 AL AIN ABU DHABI UAE

د. بالفور وأولاده

مهندسون استشاريون

ص.ب: 1419، العين، أبو ظبي، الإمارات العربية المتحدة

COMM REG NO 99/77  
TELEPHONE 841929  
TELEX 33510 BALFOR EM

Your Ref: 0909/F.181/J.261/SG/DP

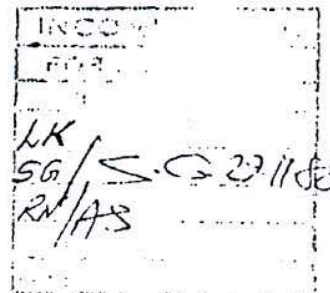
Our Ref: RG/6154/VC/3/AS

Date: 29th November 1988

Messrs. O.C.C.,

Abu Dhabi.

Dear Sirs,



CONTRACT M28E

Sub: V.C. Pipes & Fittings - Saudi V.C. Pipe Co.

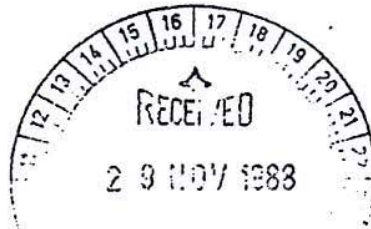
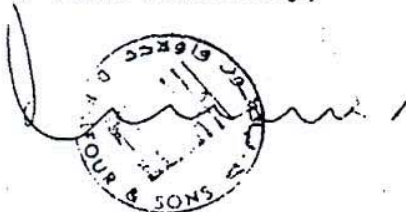
We refer to your letter dated 27th November 1988 submitting V.C. pipes manufactured by Saudi Vittrified Clay Pipe Co. Ltd. (Saudi Arabia) for approval for the 200 and 300mm sizes (Hepworth pipes having been approved for 150 and 225mm sizes).

We confirm SVCP are approved for supply of pipes and fittings for the submitted pipe sizes only. This approval is based on the information provided and does not relieve you of your contractual obligation.

As this will be the first use of SVCP pipes for Al Ain Main Drainage Contracts, we reserve the right to arrange checks at any stage of manufacture, and we will require to inspect and possibly arrange independent testing of selected pipes on delivery.

Please advise the manufacturing and delivery schedule in due course.

Yours faithfully,



**B. BALFOUR AND SONS**  
CONSULTING ENGINEERS  
P.O. BOX 1419 AL AIN ABU DHABI UAE

بالتفويض

COMM REG NO. 2677  
TELEPHONE: 541928  
TELEX: 20010 BALFOUR BH

بالتفويض والولاية  
مهندسون استشاريون  
ص.ب 1419 العين أبو ظبي الإمارات العربية المتحدة

Your Ref:

Our Ref: JCD/GEN/SU

Date: 11th June 1988

Saudi V.C. Pipe Co. Ltd.,  
P.O. Box 6415,  
Riyadh 11442,  
Saudi Arabia.

Dear Sirs,

Sub: Approval of Saudi V.C. Pipe Co. Ltd's Products

Following your various submissions and the Inspection Report (including addenda) from Messrs. Dames and Moore, we are pleased to give our approval to the use of your pipes and fittings on sewerage schemes in Al Ain which are under our supervision.

This approval is based on the above mentioned documentation and we reserve the right to arrange further checks in the future of goods proposed for schemes in Al Ain at any stage of manufacture or delivery to ensure continued compliance.

Yours faithfully,

copy Messrs. Akasa.

PARTNERS: B. COLIN CRAIG, FICE (PRESIDENT), ERIC W. ORR, FICE, HUGH C. BALFOUR, FICE, GEOFFREY A. TRUESDALE, BSC, COLIN S. JONES, FICE  
ANTHONY H. DEANE, BSC, MICE, RAYMOND S. LANGRIDGE, MICE, DAVID G. GIBSON, FICE, MIMCHE, JOHN GAY, BSC, MICE, MALCOLM E.D. WHITE, BSC, MICE  
CONSULTANTS: PROFESSOR R. PERRY, BSC, PhD, FRCGS, R. PATRICK DUGAN, FICE, G. H. COOPER, BSC, FICE, J. O'NEILL, MICE, FICE, PhD, FRCGS  
ARCHITECTS: ALJ. ESTELL, B. Arch, RIBA, SECRETARY: J. R. PROWSE, & CIVIL ENGINEERS ASSOCIATES: J.N. CAPENER, MICE, D.T.P. EDWARDS, BSC, MICE, A. LEVIE, MICE  
A.J. STARRER, B. Eng, MICE, F.S. ROBE, BSC, MICE, Z.A. BAK, BSC, MICE, W. MILLS, BSC, MICE, MICE, D.A. SMITH, BSC, MICE, DR M.R.G. TAYLOR, PhD, FRCGS, MICE  
HEAD OFFICE: B. BALFOUR AND SONS CONSULTING ENGINEERS, YECKAH HOUSE, 59 CROYDON ROAD, LONDON SE26 7TW UNITED KINGDOM  
OFFICES & ASSOCIATED FIRMS IN ABUJAH, AL AIN, ATHENS, BOMBAY, HONG KONG, HYDRABAD, KUALA LUMPUR, KUWAIT, LONDON, RIYADH, ROYAL SHEPHERD, SINGAPORE

MAY 10 1987 13:54 S.V.C.P.CO.4782458

EMIRATE OF ABU DHABI  
ABU DHABI MUNICIPALITY  
P. O. Box 263  
ABU DHABI - U. A. E.



امارة أبوظبي  
دائرة بلدية أبوظبي  
ص. ب. ٢٦٣  
أبوظبي - الإمارات العربية المتحدة

No. ...ADM/IDE/.....

٢٢٩

الرقم : ٢٢٩ / مجاري / ط

Date 25.01.1987.....

التاريخ : ١٩٨٧/١/٢٥

Address: Alkerreni for Trade & Imports,  
Post Box No : 2822,  
Abu Dhabi, UAE.

السادة / الكرائي للنجارة والاستيراد  
ص ب رقم ٢٨٢٢  
أبوظبي - الامارات العربية المتحدة

Subject: APPROVAL OF SAUDI VITRIFIED  
CLAY PIPE.

الموضوع : اعتناء مواشير الفخار المزجج السعودية الصنع

Gentlemen,  
Further to your letter No. Nil dated 22.01.1987 with test result reports we are pleased to inform you that we agree for the use of Saudi Vitrified Clay pipe for the drainage work in Abu Dhabi.  
Thanking you,,

تحية طيبة وبعد ،  
لا حقا لخطابكم بدين رقم المؤرخ في ١٩٨٧/١/٢٢ م  
وتقارير نتيجة الفحص المرفقة معه ، نفيدكم بموافقتنا طسي  
اعتناء مواشير الفخار ، المزجج السعودية الصنع لاستعمالها  
في أعمال الصرف الصحي في أبوظبي .  
وتمسكنا  
00000

Yours faithfully,

M. I. ABI ZAID,  
CHIEF TOWN DRAINAGE ENGINEER.

طن أبو زيد  
( رئيس قسم مجاري المدينة )

- To: The Director,  
Abu Dhabi Municipality,  
- The Deputy Director,  
Abu Dhabi Municipality,  
- The Chief of Maintenance  
Section,  
- The Eastern Drainage Office,  
- The Buteen Drainage Office,  
- The Zaffaran Drainage Office,  
- Mussafah Drainage Office,  
- Bani Yas Drainage Office.

- نسخة : للسيد / مدير بلدية أبوظبي  
السيد / ناهيا مدير البلدية  
السيد / رئيس هندسة الصيانة  
السيد / مهندس القسم الشرق  
السيد / مهندس قسم البطين  
السيد / مهندس قسم الزعفران  
السيد / مهندس منطقة المصفح  
السيد / مهندس منطقة بني ياس

UNITED ARAB EMIRATES

TUNISIA AND UNITED ARAB EMIRATES  
ENGINEERING CO.



شركة تونس والإمارات العربية المتحدة  
للدراسات والأعمال الهندسية

Date ..... December 15, 1987

التاريخ .....

Ref. .... S.O.862/C/27/87

المرجع .....

THE SITE AGENT  
BIN HAFEEZ EST  
P.O. BOX 7180  
ABU DHABI,

TUNISIA - U.A.E  
IN F.Z.C

RE: OFFICERS' CITY TOWN ROADS  
VETRIFIED CLAY PIPES

cc- Al Kallani: 0/0  
U.C.P  
F.Z.C

Dear Sir,

With reference to your letter 011/ENG/L-044/MAR/s, kindly  
be informed that the proposed Vetrified Clay Pipes as  
manufactured by M/s. Saudi Vitrified Clay Pipe Co. Ltd.  
had been approved.

For your information and records.

Yours faithfully,  
For TUNISIA & UAE ENG. CO.

الإف / زيان /  
14/10/87

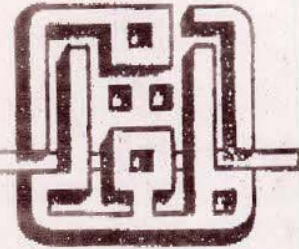
RIAD FARAH  
(RESIDENT ENGINEER)

Facsimile Message stamp: INCOMING, DATE: 10-DEC-87, TIME: [blank]

Main Office stamp: Date: 16.12.87, Time: 6.15pm, Recd. by: [signature]

## المقام للاستشارات الهندسية

Al.Maqam eng. Consultants



Ref. : .....

Date : .....

إشارة : م.م / ش.ر / ٨٥ / ٨٩١  
التاريخ : ١٩ / ٠٨ / ١٩٨٩ م

المحترمين

السادة / شركة الريان للمقاولات

السلام عليكم ورحمة الله وبركاته

المشروع / المدارس الأعدادية الجديدة - المرحلة الأولى - ( المجموعة الأولى )

١- مدرسة أعدادية بني ياس للبنين

٢- مدرسة أعدادية بني ياس للبنات

الموضوع / اعتماد أنابيب الفخار للصرف الصحي

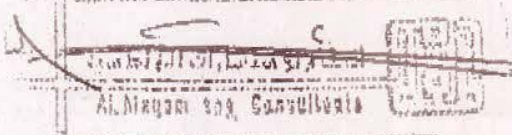
بالإشارة إلى كتابكم رقم ٢٥٤ / ٦ / ٨٩ / م.بي / م بتاريخ ١١ / ٠٦ / ١٩٨٩ م بخصوص الموضوع المذكور أعلاه فإنه لا مانع من استخدام أنابيب الفخار للصرف الصحي قطر ٥٠ مم من إنتاج الشركة السعودية لأنابيب الفخار على أن يكون السطح الداخلي لتلك الأنابيب حسب المستوى المطلوب .  
علما بأنه لا يحق لكم المطالبة بأي إضافات مادية أو زمنية من جراء هذا الاعتماد .

السادة  
Schwartz

وتقبلوا فائق الاحترام وجزيل الشكر ، ، ،

مكتب المقام للاستشارات الهندسية

المهندس / هاشم سالم الحبشي



نسخة / مدير ادارة مشاريع المباني الحكومية

نسخة / الموقع

نسخة / الملف





D. BALFOUR AND SONS  
CONSULTING ENGINEERS  
P.O. BOX 1419 AL AIN ABU DHABI UAE

COMM. REG NO. 99/77  
TELEPHONE: 841929  
TELEX: 30510 BALFOR EM

د. بالفور وأولاده  
مهندسون استشاريون  
ص.ب: 1419، العين، أبوظبي، الإمارات العربية المتحدة

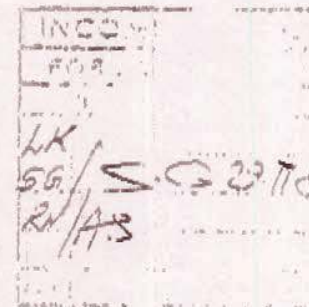
Your Ref: 0909/F.181/J.261/SG/DP

Our Ref: RG/6154/VC/3/AS

Date: 29th November 1988

Messrs. O.C.C.,  
Abu Dhabi.

Dear Sirs,



CONTRACT M28E  
Sub: V.C. Pipes & Fittings - Saudi V.C. Pipe Co.

We refer to your letter dated 27th November 1988 submitting V.C. pipes manufactured by Saudi Vitrified Clay Pipe Co. Ltd. (Saudi Arabia) for approval for the 200 and 300mm sizes (Hepworth pipes having been approved for 150 and 225mm sizes).

We confirm SVCP are approved for supply of pipes and fittings for the submitted pipe sizes only. This approval is based on the information provided and does not relieve you of your contractual obligation.

As this will be the first use of SVCP pipes for Al Ain Main Drainage Contracts, we reserve the right to arrange checks at any stage of manufacture, and we will require to inspect and possibly arrange independent testing of selected pipes on delivery.

Please advise the manufacturing and delivery schedule in due course.

Yours faithfully,





7.6.1988

## Crushing strength test

Crushing strength test carried out on the pipes of diameters 100 mm, 150 mm, 200 mm, 250 mm and 300 mm

Pipe dia	Shaping date	Length mm	Failure load KN	Crushing strength KN/m	Specified in BS 65 extra strength
100 mm	3.2.88	970	53	54.64	22
150 mm	4.5.88	1500	72	48.0	22
200 mm	6.3.88	1495	80	53.51	28
250 mm	26.5.88	1992	100	50.20	-
300 mm	28.4.87	1990	100	50.25	34

Conclusion : The pipes meet the requirements of BS 65 extra strength and super strength.

Tests carried out were witnessed by :

Mr Zana Rashid  
Sales Manager, SVCP

Mr Graham Bennett  
Saudi Arabian Dames & Moore

Laboratory  
Saudi Vitrified Clay Pipe Co Ltd



**AL HOTY STANGER**



SAUDI VITRIFIED CLAY PIPE CO. LTD.

RAS/563/3/88:3646

19.3.1988

15.3.1988

CRUSHING STRENGTH TEST

Crushing strength test carried out on the pipes of diameter 100 mm and 150 mm

Pipe dia.	Shaping date	Crushing strength	Specified in BS 65 ( Super strength grade )
100 mm	3.2.88	47.4 KN/m	28 KN/m
150 mm	6.3.88	40.0 KN/m	28 KN/m

Conclusion:

The pipes meet the requirements of BS 65 Super Strength.

*[Signature]*  
 for AL HOTY STANGER

INDEPENDENT TESTING LABORATORIES AND MATERIALS CONSULTANTS

P. O. BOX 1122 - ALKHOBAR - TEL. 894 8768-864 2539

RIYADH 01 478 4292 - JUBAIL 03-341 6791/4 - JEDDAH 02 660 1924

# John Taylor & Sons

Consulting Engineers

## Partners

D. Gentry M. Roberts MA FEng FICE FIMechE FIMES FIPHE FIMPC MConSE  
Peter A. Baras CEng FICE FIPHE FIMPC MConSE (Managing)  
Christopher H. Hayward CEng FICE FIMES FIPHE MConSE  
P. Nicholas Paul MA MSc CEng FICE FIMES FIPHE MIMPC MConSE  
A. Jessop Peter MA CEng FICE FIMES MIPHE MConSE  
John P. Curran BSc CEng FICE FIMES FIPHE MIMPC MConSE  
James Anderson CEng FICE FIMES FIPHE MIMPC  
Financial Director  
Robert C. Atwood FCA  
Consultants  
John T. Curvet CSE MA BSc MS FEng FICE FASCE FRSC FIMES FIPHE FIMPC FRSH MConSE  
John A. Haslam MA CEng FICE FIMechE FIMES FIPHE MIMPC FCBSE MConSE  
Ronald Briggs DTech CEng FICE FIPHE MIMPC  
Ian J.R. Cookman CEng FIMechE FIMES FIPHE MIMPC  
William P. McLaren BSc CEng FICE FIMES FCBSE MConSE  
John A. Charlton MSc PhD CEng MICE MIPHE

## Associates

Robert J. Owens BSc CEng FICE MIMPC  
John E. C. Mearns-Barrow CEng FICE FIPHE  
Alan Yearwood CEng FICE FIMES MIPHE  
Gavin A. Pitt BSc CEng MICE  
Robert A. Yellie CEng MICE MIMechE MIPHE MIPHE MIMPC  
Gordon March MSc CEng MICE MIPHE MIPHE MCBSE  
Timothy A. Seayne CEng MICE FIPHE  
Paul Hunt BSc CEng MICE MIPHE MIPHE  
Christopher M. Beaker BSc CEng MICE MIPHE MIPHE  
Michael S. Irwin MA CEng MICE MIPHE  
Paul R. Johnson DIC CEng MICE MIPHE  
David J. The BSc CEng MICE MIPHE MCBSE

PO Box 2774, Abu Dhabi, UAE

Telephone 331900  
Telex 22452 TAYLAD EM  
Cables TAYLAD

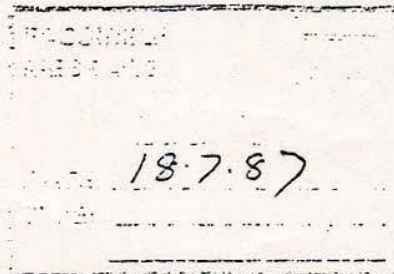
Resident Representative  
P.R. Teasdale  
BSc CEng MICE

Your ref

Our ref 2675/144/1/ADR/NS.

14th July, 1987.

Development Enterprises Co.,  
P.O. Box 2998,  
Abu Dhabi.



Dear Sirs,

ABU DHABI SEWERAGE SCHEME  
CONTRACT NO. 144/1  
MATERIALS APPROVAL : VC PIPES

Thank you for your letter JTS/144-1/08/87 dated 12th July 1987 and confirm that I witnessed a satisfactory infiltration test carried out from 12.00am 7th July to 12.00am 8th July at 6m head. I also confirm that Saudi Vitclay representatives showed me original documents certifying that an independent witness from Messrs H. Stanger had witnessed crushing and beam tests demonstrating results in excess of requirements of the Specification.

Yours faithfully,

*A. D. Robinson*  
A.D. Robinson  
Resident Engineer  
Contract No. 144/1.

الأخ / زيان  
هذه شهادة عن رسالته المتأققة المبدئية  
من الاستشارة في جسر تيلور والبرق  
استلمناها منه بالأمس

cc: The Director, Sewerage Projects Committee  
The Chairman, Sewerage Projects Committee.  
CJD.

محمد خالد

17/7/87

## Head Office

Waterside House, Waterside Road, London SW1P 1BT, United Kingdom. Telephone 01-222 7050 Telex 918473 TAYLOR-G Fax 01-222-0243 Cables WATERAGE LON SW1

## Offices and Associated Firms in

United Kingdom: Bath, Carmarthen, Liverpool & Plymouth  
Overseas: Abu Dhabi, Australia, Bahrain, Bangkok, Egypt, Ethiopia, Hong Kong, India, Indonesia, Iran, Ireland, Italy, Kenya, Kuwait, Libya, Malaysia, Mauritius, Nigeria, Oman, P.O. Yemen, Qatar, Saudi Arabia & Pakistan

oussama.nehme@maunsell.com  
ref: KM/SQ/ED1105/32624

# COPY



**maunsell**

Maunsell Consultancy Services Ltd  
شركة مونسيل للخدمات الاستشارية المحدودة  
PO Box 1410  
Al Ain  
United Arab Emirates  
  
Tel -971 3 754 1929  
Fax -971 3 755 4727  
e:ain@maunsell.com

24 January 2004

Messrs. Bin Hamm Agricultural Company,  
P.O. Box 1479,  
Al Ain.

Dear Sirs,

**M50 - Sanitary Drainage and Internal Roads for (276) Plots in Um Ghafa (Phase III).**

**Material Approval - Vitrified Clay Pipes and Fittings.**

Please find attached your copy of the material approval from 'P' for vitrified clay pipes and fittings manufactured by M/s. Saudi Vitrified Clay Pipe Co., Riyadh, Saudi Arabia and supplied by M/S. Al Karrani Abu Dhabi.

This approval does not relieve you from your contractual obligations.



Oussama Nehme  
Principal Engineer (Drainage)

Rec'd  
Pm  
28-1-2004.

12:01. NVT 629M19 031133a

# MATERIALS APPROVAL SUBMITTAL (CIVIL)

## GOVERNMENT OF ABU DHABI

### AL AIN MUNICIPALITY

#### FORM "P" FOR PREVIOUSLY APPROVED MATERIALS

All sections of the form must be completed and relevant copies of Specifications, Standards, Drawings, certificate of Registration to National Standards, ISO Certifications, Test Certificates, catalogues, Compliance Statements Checklist, Track Record, Municipality General Approval, etc shall be attached Where not applicable shall be marked "NA"

Project Name &/or Area: Sanitary Drainage and Internal Roads for (276) plots in Umm Ghafa District (Phase III). - Contract M-50		Budget of: S.D.P.C. - Al Ain Municipality	
Consultant: Maunsell Consultancy Services Ltd.		Contractor: Bin Hamm Agricultural Co.	
Submittal No: 5		Date Submitted: 4/1/2004	
Material: V.C. Pipes & Fittings		Product name: Vitrified Clay Pipes & Fittings	
Producer/Manufacturer/Fabricator's Name & Address: M/s. Saudi Vitrified Clay Pipe Co. P.O.BOX NO. 6415, Riyadh, Saudi Arabia Tel:- 4769192 Fax:-4782458		Supplier's Name & Address: M/s. Al Karrani Abu Dhabi, U.A.E. Tele:- 02-6731166 Fax:-02-6731144	
Specification: 2.31.1 & 2.31.2		BOQ Reference:- Page 2-9/1 & 2-9/2	
Relevant Drawings: Attached.		Test Certificates: Attached	
Complying Standard: BS EN 295 Class 160		Compliance Checklist: Attached.	
National Standards Registration: N/A		ISO Certification: ISO - 9002	
Technical Details: Gravity sewer and fittings dia including Y, 45° bend, short pieces, end caps of 150,200, 250mm diameter. 150mm dia - L joints. 200mm & 250mm dia - K joints.		Quantity: 150mm dia = 1860m. 200mm dia = 9123m. 250mm dia = 302m	
Previous Approval and its Scope of application and/or any limitations: For Sewer drainage works.		Previous Contract/s: M28F, M17A, M32, M-46 Towayya Phase III	
Proposed area of Application: For Sewer drainage works.		Sample(provided/accessible):	
<p>I Certify that the Proposed material complies with Contract Specifications</p> <p style="text-align: center;"><i>Nadii Mahmood</i> Signature of Contractor's Project Manager with Date</p>			



<input checked="" type="checkbox"/> Approved:	<input type="checkbox"/> Not approved:	<input type="checkbox"/> Returned:
Comments: Approved subject to clause C2 and Special Conditions of Contract, Volume I.		
Signatures with Date & Stamp: 19-1-2004		ARE / ME



<input checked="" type="checkbox"/> Endorsed:	<input type="checkbox"/> Not Endorsed:	<input type="checkbox"/> Further Information Required:
Comments: 1) Must comply with Standards Specifications and general approval letter, if any 2) No installed pipe must be older than 3 months in age 3) With each delivery submit in house GC Test for the batches 4) Submit monthly surveillance report of MPA-Germany 5) Client shall randomly test to check the compliance 6) submit separate submittal for rubber.		
Signatures With Dates:		
Quality Engineer	Project Engineer	DIRECTOR



دورش  
كونسلت

Y/AUH - 0034 / 04

June 15<sup>th</sup> 2004

M/s. ADMAK  
P.O. Box 650  
ABU DHABI

Re: **Contract No. M-42, Sanitary Drainage Project Al Yahar (North) - Al Ain**  
Sub.: **Material Submittal MS-001, VC - Pipes**

Dear Sirs,

We are pleased to inform you that VC pipes, proposed under submittal No.1 are provisionally approved provided that

1. Performance is in accordance with the 4 Specifications and Standards
2. None of the pipes is older than 3 months
3. Inspection and test reports of each batch / consignments are provided
4. A separate submittal for rubber gaskets is supplied.

In this context you are advised that a delivery note detailing batch number, other relevant data has to be submitted with each delivery.

Enclosed please find the Municipality's conditional approval for your kind consideration.

Yours faithfully,  
DORSCH CONSULT

Peter Rihlmann

c/c  
➤ Al Ain Municipality, Director of Sanitary Drainage Department  
➤ DC-Files

Encl./ as above

ص.ب: ٢٦٤١٧ - ايم.ب.ب.ي - الامارات العربية المتحدة - هاتف: ٧٢١٩٢٢ - فاكس: ٧٢٠٨٠٩  
POST BOX: 26417 - ABU DHABI - UNITED ARAB EMIRATES - TELEPHONE: 6721923 - FAX: 6720809  
e-mail: dorsch@emirates.net.ae

RECEIVED TIME 17. JUN. 15:31

**MATERIALS APPROVAL SUBMITTAL (CIVIL)**

**GOVERNMENT OF ABU DHABI  
AL AIN MUNICIPALITY  
FORM "P" FOR PREVIOUSLY APPROVED MATERIAL**

All sections for the form must be completed and relevant copies of Specifications, Standards, Drawings, Certificate of Registration to National Standards, ISO Certifications, Catalogues, Compliance Statements Checklist, Track Record, Municipality General Approval from Al Ain Municipality, etc. shall be appended. Where not applicable shall be clearly marked "NA".

<b>Project Name &amp;/or Area:</b>	Contract No. M42 Sanitary Drainage Project in Al Yahar North, Al Ain	<b>Budget of:</b>	Al Ain Municipality Sanitary Drainage Projects Committee
<b>Consultant:</b>	Dorsch Consultant	<b>Contractor:</b>	ADMAK General Contracting Co.
<b>Submittal No:</b>	MS-001	<b>Date Submitted:</b>	10/05/2004 2/6/2004
<b>Material:</b>	Vitrified Clay Pipes & Fittings	<b>Product name:</b>	SVCP
<b>Producer/Manufacturer/Fabricator's Name &amp; Address:</b>	M/s. Saudi Vitrified Clay Pipe Co. Ltd. P. O. Box 6415, Riad, K.S.A. Tel: +966-1-4769192 Fax: +966-1-4782458	<b>Supplier's Name &amp; Address:</b>	M/s. Al Karani Trading & Import Est. P. O. Box 2822, Abu Dhabi, U.A.E. Tel: 02 - 5515566 Fax: 02 - 5516655
<b>Specification:</b>	Series 1200, Clause 1207 Copy Attached	<b>BOQ Reference:</b>	4/1.1 to 4/1.10, 4/2.1 to 4/2.2, 4/4.6 to 4/4.8 4/5.1 to 4/5.3
<b>Relevant Drawings:</b>	N/A	<b>Test Certificates:</b>	Attached
<b>Complying Standard:</b>	Volume 2, Part 1 Clause 4.8	<b>Compliance Checklist:</b>	Attached
<b>National Standards Registration:</b>	N/A	<b>ISO Certification:</b>	N/A
<b>Technical Details:</b>		<b>Quantity:</b>	(Approx. Qty.)
(150, 200, 250) mm dia. VC Pipes and Fittings			
1) 150 mm dia. Crushing Strength FN 34 KN/m <sup>2</sup>		1)	5,500 LM
2) 200 mm dia. Class 160		2)	16,700 LM
3) 250 mm dia. Class 160		3)	800 LM
<b>Previous Approval and its Scope of application and/or any limitations:</b>	M40B, Foul Sewer Lines	<b>Previous Contract(s):</b>	M40B
<b>Proposed area of Application:</b>	Gravity Sewer	<b>Sample provided/accessible:</b>	Accessible

"I certify that the Proposed material complies with Contract Specs, etc. & the information given above is authentic."

*[Signature]*  
10/5/04



Signature of Contractor's Project Manager with Date & Stamp:

<input checked="" type="checkbox"/> Approved:	<input type="checkbox"/> Not Approved:	<input type="checkbox"/> Returned:
<b>Comments:</b> <i>Approved, subject to performance of the material</i>		
<b>Signatures with Date &amp; Stamp</b>	ARE/ME/ <i>[Signature]</i>	RE

**DORSCH ABU DHABI - U.A.E.**  
CONSULT P.O. Box: 26417  
CONSULTING ENGINEERS Fax: 02 6720809

<input checked="" type="checkbox"/> Endorsed	<input type="checkbox"/> Not Endorsed	<input type="checkbox"/> Further Information Required:
<b>Comments:</b> ① Must comply with standards, specifications and engineer's instructions ② Submit separate submittal for rubber gaskets ③ No pipe supplied or installed shall be older than 3 months in age ④ Submit the inspection report of MPA-NRW Germany for 2003 ⑤ Always submit in house test reports with every batch ⑥ There shall be correlation between the supplied pipes and the delivery notes such that we can differentiate this project's pipe from other projects.		
<b>Signatures with Date &amp; Stamp</b>	<i>[Signature]</i> Quality Engineer	<i>[Signature]</i> Project Engineer
		<i>[Signature]</i> DIRECTOR



Telefax Message

**URGENT**

Our Ref.	AD156/C/GEN/99	Date.	06 November, 1999
To	M/s. AL KARANI GROUP, ABU DHABI		
Attn.	Mr. Ghassan Deeb	Fax No.	02-731144
Sub.	Laboratory Test Result		
Page(s)	1 + 2		


Project : Construction of Internal Roads at Al Grayh Area in Al Ain

Dear Sir,

Please refer to our communications in connection with supply of VC Pipes for our above Project works. We are enclosing herewith copy of Approval letter alongwith Material Approval Submittal with comments from our Consultants.

Please arrange to send us successful Test Result report on Rubber as per EN 681/1 as required by the Consultants by return Fax.

With regards,

  
Eng. Bassam M. Ghazoul,  
Project Manager.

Encl : As above

Attn: Mr. Mahmoud Abu Jebara

Fax: 02 766761

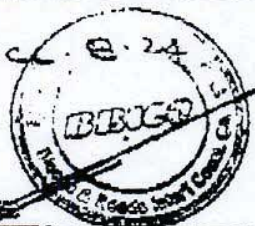
Fm:  
Al Karrani Group

CONSULTANT <b>FREDERIC R. HARRIS, INC.</b>	PUBLIC WORKS DEPARTMENT	CONTRACTOR <b>BRICC</b>
	CONSTRUCTION OF INTERNAL ROADS FOR LOW COST HOUSES AT AL GRAYH	

MATERIAL APPROVAL SUBMITTAL	NO. 1
-----------------------------	-------

- Material Description : VITRIFIED CLAY PIPE
- Manufacturer / Supplier : SAUDI VITRIFIED CLAY PIPE CO. LTD.
- Item(s) in the B.O.Q : 8.6.1, 8.6.2, 8.6.3
- Clause(s) in the Specs. : 8.2.4

Material Details	Proposed to be used for
1. 150 MM NOMINAL BORE VC PIPE	1. 300 ITEM 8.6.1
2. 200 MM NOMINAL BORE VC PIPE	2. 300 ITEM 8.6.2
3. 250 MM NOMINAL BORE VC PIPE	3. 300 ITEM 8.6.3

- Enclosures : (In addition to the Table of Comparison)
- GENERAL SPEC. (PART VI - PART XVI) CL. 8.2.4
  - 300 ITEM 8.6.1 TO 8.6.3
  - TECHNICAL CATALOGUE
  - MANUFACTURER'S TEST CERTIFICATE
- 

Submitted by: **ENG. BASSAM M. GHAZOUL**      DATE: 18.10.99

ENGINEER'S COMMENTS :      APPROVED      -      REJECTED      -      OTHERS

Approved subject to :-  
 Submit successful Test Result Report on Rubber as per EN 581/1

ENGINEER'S REPRESENTATIVE: **Frederic R. Harris, Inc.**      DATE: 8.11.99  
**ROADS AT GRAYH**

The above comments / approval do not relieve the Contractor from his responsibilities under the Contract.

**Frederic R. Harris, Inc.**

Engineers, Architects & Planners

New York - The Hague - Abu Dhabi

فردريك آر هاريس انكورپوريتد

استشاريو هندسة مدنية ومعمارية

نيويورك - لاهاي - ابوظبي



Date : 08/11/1999  
Ref : 977/SS/C/137

M/s. Blocks & Roads Int'l Cont. Co.  
P.O. Box - 3600,  
Abu Dhabi  
Fax: 02-704078

Attn : The General Manager

Project : Construction of Internal Roads for the Low Cost Houses at Al Grayh

Sub. : Material Approval Submittal ref. (02)/99 for V.C. Pipes (Sewerage Works)

Dear Sirs,

With reference to your letter dated 03/11/1999 ref. AD/158/C/86/99 in respect of the above subject, attached please find herewith a copy of "Material Approval Submittal" and table of comparison which is approved provided that you submit successful test results for the rubber as per EN 881/1 with the first delivery as stated in the comments of Sewerage Section of Al Ain Municipality.

This approval is conditional upon your maintaining the required quality during the Contract Period

This approval doesn't relieve you of any of your responsibilities under this Contract.

This is for your information and action.

Yours faithfully,  
FOR FREDERIC R. HARRIS, INC.

  
**Eng. Saleh Saibaa**  
Resident Engineer

CC: PWD - Services & Communication Directorate  
MO  
PM

AL-GRVAH AD 158	
DATE	8 11 99
P.M.	
S.E.	
Q.S.	
SURVEYOR	
SECRETARY	K. Saibaa
LAB	

WORLD HEADQUARTERS  
300 East 42nd Street  
New York, New York 10017  
212-673-2900  
Telex : 12408  
Fax : 212-653-0399

Mailing Address P. O. Box : 44298  
Abu Dhabi  
United Arab Emirates

Tel : 678199  
Fax : 678299  
Telex : 22301 HARRIS  
E-mail : fharris@earthlink.net



Hyder Consulting  
Middle East Limited  
P.O. Box 15205  
Al Ain, U.A.E.

هايدر كونسولتينج  
ميدل ايست ليمتد  
جرب ١٥٢٠٥  
العين - ا.ع.م

Tel: +971 (3) 764 2917  
Fax: +971 (3) 765 7760  
www.hyderconsulting.com

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+ ٩٧١ (٣) ٧٦٥ ٧٧٦٠

Date: 14/12/2003  
Ref : AU/10001/RAB/C/3.13/06

ADMAK General Contracting Co.  
P.O.Box.650  
Abu Dhabi  
UAE

Dear Sir,

**M40B - Al Bagh – Al Bateen**  
**Sub: Material Submission No. MS-003 VC Pipes and Fittings**

We refer to you letter ref A3/M40B/HYDER/MS/005 dated 13<sup>th</sup> Nov 2003 , and confirm the client approval for the supply of V.C Pipes and Fitting, manufactured by messrs Saudi Vitrified Clay Pipe LTD K.S.A , for the above contract .

Attached copy of the above Material submission duly signed .  
Please note the client comments on the submission sheets .

This approval does not relieve you of you contractual obligation .

Yours faithfully,

  
هايدر كونسولتينج ميدل ايست ليمتد  
Contract M 40 B  
Hyder Consulting Middle East Lim.  
Al Ain العين

Raad Al Bahrani  
Resident Engineer,  
Hyder Consulting Middle East Limited



Certificate No. FS 23468

Registered office: P.O.Box 231, National Westminster House, Le Truchot, St Peter Port, Guernsey, GY1 4ND, Channel Islands. UK

Formerly Acer Freeman Fox International

Middle East Offices: Abu Dhabi, Al-Ain, Bahrain, Dubai, Qatar

UK Head Office: Hyder Consulting Limited, 20 Prescot Place, London SW 1E 5DZ

RECEIVED TIME 4, JAN, 10:12

MATERIALS APPROVAL SUBMITTAL (CIVIL)

GOVERNMENT OF ABU DHABI

AL AIN MUNICIPALITY

FORM "P" FOR PREVIOUSLY APPROVED MATERIAL

Sections for the form must be completed and relevant copies of Specifications, Standards, Drawings, certificate of Registration to National Standards, ISO Certifications, Logues, Compliance Statements Checklist, Track Record, Municipality General Approva

Project Name &/or Area: Contract No. M40B Roads, Storm Water Drainage & Sewerage in Al Bateen, Markhaniya, Sarooj South Etc., Al Ain Budget of: Al Ain Municipality

Consultant: Hyder Consulting ME Contractor: ADMAK General Contracting Co.

Submittal No: MS-003 A Date Submitted: 22-11-03

Material: Vitrified Clay Pipes & Fittings Product name: SVCP

Producer/Manufacturer/Fabricator's Name & Address: M/s. Saudi Vitrified Clay Pipe Co. Ltd., P.O. Box. 6415, Riad, K.S.A. Supplier's Name & Address: M/s. Al Karani Trading & Import Est. P.O. Box. 2822, Abu Dhabi, U.A.E

Phone: +9961 4769192 Fax: +9961 4782458 Phone: 02 5515566 Fax: 02 5516655

Specification: Series 1200, Clause: 1207 BOQ Reference: 4/1.1 to 4/1.15, 4/5.6 to 4/5.7

Relevant Drawings: Attached Test Certificates: Attached

Complying Standard: BS EN 295 : 1991 Compliance Checklist: Attached

National Standards Registration: N/A ISO Certification: ISO 9002 : 1994/EN ISO 9002 : 1994

Table with 2 columns: Technical Details and Quantity. Rows include pipe diameters (150, 200, 250 mm) and classes (FN 34, 160).

Previous Approval and its Scope of application and/or any limitations: M16A/A for Sewerage Pipe Lines Previous Contract/s: M16A/A attached

Proposed area of Application: Foul Sewer Lines Sample(provided/accessible) Accessible



I certify that the Proposed material complies with Contract Specs, etc, & the information given above is authentic.

Signature of Contractor's Projects Manager with Date & Stamp: [Signature]

Approved: [checked] Not Approved: [ ] Returned: [ ]

Comments:

Signature of Hyder Consulting Middle East Limited, Al Ain. Includes stamp with Arabic text.

Signatures with Date & Stamp ARE/ME RE

Endorsed [checked] Not Endorsed [ ] Further Information Required: Comments: 1) Must comply with standards, specifications and Engineer's instructions 2) No installed pipe must be older than 3-months in age 3) With the delivery always submit the in-house quality control certificate and also regularly submit the bi-annual reports of "MPA" from Geominy.

Signatures with Date & Stamp Quality Engineer Project Engineer DIRECTOR

4. Client shall randomly test to check the compliance. 5. Submit separate submittal for rubber.

**WS Atkins & Partners  
Overseas**

P O Box 7562, Abu Dhabi, U.A.E.  
Telephone 6784855 , Fax 6784823  
E-mail : atkins02@emirates.net.ae  
Website : www.wsatkins.com

P O Box 20016, Al Ain, U.A.E.  
Telephone 7213316 , Fax 7213317  
RD4145/3/ZH/AS/032  
18<sup>th</sup> Feb. 2001

دبليو . أس . أتكنز وشركاه  
لما وراء البحار

صندوق البريد : ٧٥٦٢ - أبوظبي - ا.ع.م.  
هاتف : ٦٧٨٤٨٥٥ - فاكس : ٦٧٨٤٨٢٣  
بريد الكتروني : atkins02@emirates.net.ae  
انترنت : www.wsatkins.com

صندوق البريد : ٢٠١٦ - العين - ا.ع.م.  
هاتف : ٧٢١٣٣١٦ - فاكس : ٧٢١٣٣١٧

**M/s. Naef & Bin Harrazl Hydroexport Est.  
& Al Fajhas Transport & Gen. Cont. Co. (Joint Venture)  
Al Ain, U.A.E.**

For the attention of Mr. Tariq Arnouk, Project Manager

Dear Sir

**Subject: Material Submittal 006 - VC Pipes & Fitting**

Further to your letter ref. M24A/3C/006 dated 17<sup>th</sup> Jan.2001 requesting approval for VC Pipes & Fittings manufactured by Saudi Verified Clay Pipe Co., Saudi Arabia.

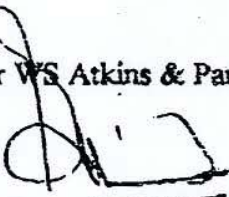
Please be informed that the material is approved to be used under this contract subject to the following conditions.

- 1- All pipes & fittings to be supplied must comply with standard, specifications.
- 2- Barrel impermeability test, Crushing & Bending moment resistance shall be performed on the random samples.
- 3- Test on Scaling Elements shall also be performed.
- 4- The Long terms negative pressure head to be conducted on misaligned joints (by the manufacture) and report be submitted.
- 5- The Glaze used shall be resistant to chemicals having Ph as low 1 or less than 1 or >12.
- 6- Utmost care should be taken for proper storage at site.

This approval does not relieve you of your contractual obligations.

Yours faithfully

For WS Atkins & Partners Overseas



**Resident Engineer.**

cc. R.E & C.F

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Site  
Mr. Gurg Eng.



19-2-2001



13376/PJ2085/50.1.13/KP/aia

28<sup>th</sup> September 1998

GENERAL CONSTRUCTION COMPANY  
P.O. Box 3338  
Abu Dhabi

(2)

**RECEIVED**  
10 FEB 1998

BY: \_\_\_\_\_

Dear Sirs,

WATER SUPPLY AND STORAGE FACILITIES FOR LULU ISLAND  
CONTRACT NO. WED/WO/AD/207/96

APPROVAL OF VC PIPES

We refer to your letter ref. Lulu/963/1792/98 dated 7<sup>th</sup> September 1998 to advise that VC pipes manufactured by Messrs. Saudi Vitriified Clay Pipe Company Limited, Saudi Arabia have been approved.

We attach a copy of the technical data sheet signed and stamped by the Owner/Engineer.

The approval does not relieve you from your contractual obligations.

Yours faithfully,  
for PENCOL INTERNATIONAL.

*Krzysztof Pawlowski*  
KRZYSZTOF PAWLOWSKI  
Principal Resident Engineer

FACSIMILE  
MESSAGE  
INCOMING  
DATE: 1/2/98  
TIME: \_\_\_\_\_

(13376-GCC-Lulu-50.1.13)-a-

Pencol International Ltd., 37/F Wu Chung House, Wen Chai, Hong Kong, Tel. No. 127423  
FEB 01 '98 09:50 GCC FAX 558991

**WATER SUPPLY AND STORAGE FACILITIES FOR LULU ISLAND**

**CONTRACT No. WED/WD/AD/207/96**

**TECHNICAL DATA SHEETS**


**MATERIALS : VITRIFIED CLAY PIPE**

**REF: MAT/119 -REV.1**

Item	Description	Unit	Data to be Filled in by Contractor
1	<u>Manufacturer/Supplier</u> - Name - Country		SAUDI VITRIFIED CLAY PIPE CO. LTD SAUDI ARABIA
2	Standard / Code Applicable		EN 295
3	Type		Vitrified Clay Pipe, 150mm, Class 34
4	Manufacture's Catalogue No.		5, 7/1997
5	Material of Construction		Vitrified Clay
6	Crushing Strength		34 KN/m
7	Contract BOQ		25/3-5
8	Specifications		D2.4.1.13
9	Attachement		- Copy of the Standard EN 295 - Previous Approval of the same, including the Approval from the Town Drainage. - A complete Pipe as sample had been submitted on 30/06/98 via our letter ref. Lulu/814/1391/98

CONTRACTOR  
  
 GENERAL CONST.CO. WLL

CONSULTANT  
  
 PENCIL INTERNATIONAL  
 CONSULTING ENGINEERS  
 U.A.E.  
 PENCIL INTERNATIONAL

CLIENT  
  
 WATER & ELECTRICITY DEPT



1/2

ATTN: MR. MAHMOUD ABU JEBARA

**GIBB** Middle East

LAWGIBB Group Member

GIBB LTD  
PO BOX 528  
ABU DHABI  
UNITED ARAB EMIRATES

جيب ليستد  
ص ب 528  
أبو ظبي  
الإمارات العربية المتحدة

Ref. : SM/10191D/AA/021  
Date : 19<sup>th</sup> August 2000

**FACSIMILE MESSAGE**  
DATE: 11/2/02  
TIME:

Bin Hafeez Est.  
P.O.Box 47180  
Abu Dhabi  
United Arab Emirates

Dear Sir,

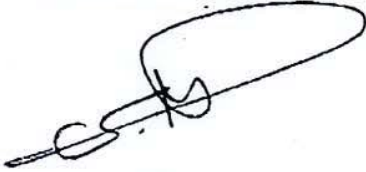
**PROJECT : CONTRACT M 16A/A STAGE TWO (A)  
ROADS, PARKINGS, SEWERAGE AND STORMWATER  
DRAINAGE FOR MEZYAD, UMM GHAF A AND AL DHAHER**

**SUBJECT : APPROVAL FOR MATERIAL SUBMITTALS**

Further to our letter No.SM/1019D/AA/003 dated 9<sup>th</sup> August 2000, please find enclosed a copy of each of Material Submittals No.05 &19 approved by AAM for the Granular Pipe Bedding Material and the V.C. Pipes.

For your record.

Yours faithfully  
For GIBB Ltd.



S. Mahmoud  
Resident Engineer

Encl.:

Contract No.  
M16 A/A

**RECEIVED**  
ON 19-8-2000  
AT 4.25 AM/PM  
BY *[Signature]*

BIN HAFEEZ EST.	
CONTRACT NO. M16A/A	
DATE: 19/8	REG. NO.
FILE 528	0311
DISTRIBUTION	INFO. ACT.
HEAD OFFICE	<input checked="" type="checkbox"/>
G.M. (PROJECTS)	<input checked="" type="checkbox"/>
P.M.	<input checked="" type="checkbox"/>
DY. P.M.	<input checked="" type="checkbox"/>
P.E.	<input checked="" type="checkbox"/>
ENG.	<input checked="" type="checkbox"/>
LAB	<input type="checkbox"/>
QTY. SURVEYOR	<input type="checkbox"/>
CHIEF SURVEYOR	<input type="checkbox"/>
CAO SECTION	<input type="checkbox"/>
ADMIN/ACCOUNTS	<input type="checkbox"/>
STORE KEEPER	<input type="checkbox"/>



REGISTERED OFFICE:  
408 HOUSE, LONDON ROAD, READING, BERKSHIRE RG8 1BL.  
REGISTERED IN ENGLAND AND WALES NO.2387707

**LAWGIBB**  
GROUP

RECEIVED TIME 11. FEB. 14:11

FACSIMILE  
MESSAGE

**MATERIALS APPROVAL TRANSMITTAL**


**GOVERNMENT OF ABU DHABI  
AL AIN MUNICIPALITY**


11/2/02

**FORM "A" FOR PREVIOUSLY APPROVED MATERIAL**

All sections of this form must be completed and all copies of the relevant portions of the specifications, drawings, manufacturer's technical data, certifications and test information must accompany this submittal. Where sections are not applicable to the items submitted, the section must be marked "NOT APPLICABLE"

CONTACT NO. : M16A/A	REGION/AREA : AL-AIN
CONSULTANT : GIBB MIDDLE EAST	DATE SUBMITTED : 23.07.2000
CONTRACTOR : <b>BIN HAFEEZ EST.</b>	SUBMITTAL NO. : 19
Material Description : VITRIFIED CLAY PIPE	Product Name (if appl.): SVCP
Manufacturer's Address : Saudi Vitrified Clay Pipe Co.Ltd. P.O.Box 6415 RIYADH 11442. Saudi Arabia.	Supplier: Al Karrani Trade & Imports Est. Phone: 02-6731166 Fax 02-6731144
Specification Clause: Attached & marked): 6.24.9 Particular Spec. (Attached).	Previous Contract No. : Contract M28-E (Al Ain)
Relevant Drawings: (Attached & marked) : N/A	Manuf. Data, Test Cert: Attached. (attached & marked)
Previous Area of Application and/or Limitations (if any): For sewerage pipelines.	
Material Specifics: (size, class, grade, type, strength, accessories etc.) As per attached data. 150 mm dia - Class 34 200, 250 mm dia - Class 160	
Proposed Area of Application and/or Limitations (if any) for this Contract: For sewerage pipelines.	Quantity: (approx.) 150 mm: 16,250 L.M. 200 mm: 39,400 L.M. 250 mm: 1,450 L.M.

Contractor's Project Eng. :  Date: 23.07.2000

<input checked="" type="checkbox"/> Approved Subject to Performance	<input type="checkbox"/> Not Approved	<input type="checkbox"/> Pending Further Test and Information
Comments: (1) Must Comply with Standards, specs & Engineer's Instructions @ Impermeability test Test, Crushing Test, B.M.R shall be performed on all representative sample of each size (3) Rubber and PU shall be as per the related standards (4) Rubber shall comply with EN 681/ Consultant's Resident Eng. Date: 29/7/00 Department's Material Engineer Department's Project Eng. Director		
Signed: 		

(4) The glaze used shall be resistant to Mineral Acid having PH less than 1 & grade Max 12  
 (4) All tests as per EN 295 Part III shall be performed (5) Long Term negative pressure test shall be conducted on misaligned joints (1.5° deflection) on 10 pipe joints

009713 7678610

**Bin Ham Agricultural Co. LLC**

Tel. : (03) 7676277 Fax : (03)7678610  
E-Mail : bhac1974@yahoo.com  
P.O. Box : 1479, Al Ain, U.A.E.



شركة بن حم الزراعية ذ م م

تلفون : 7676277 - فاكس : 7678610

البريد الإلكتروني : bhac1974@yahoo.com

ص. ب. 1479 - العين - الإمارات العربية المتحدة

FAX MESSAGE		CONSIST OF 1 PAGES	
M/s	Saudi Vitriified Clay Pipe Co., Ltd. (K.S.A.)	Fax No.	00966 - 1 - 4782458
Attn.	Mr. Khalid Amssi	Your Ref:	
From	Mr. Mohammad Ashraf	Our Ref	MAS/A-1766/082
Subject	Re - Fixed for Material Approval Form	Date	25/03/2007

**Project** - **The Infrastructure for Ramlat Al Raie Residential Area**  
**Client** - **Al Ain Municipality**  
**Consultant** - **Cansult Maunsell / AECOM Consultancy**

Dear Sir,

Please find enclosed the copy of Material Approval "P" form a clear copy of Material Submittal No. 5 for V.C Pipes and Fittings

Best Regards

Yours faithfully,  
For **Bin Ham Agricultural Co.**

  
**Mohammad Ashraf**  
Project Manager

Established in 1974  
Contractors, General Agricultural  
Irrigation, Pipeline and Sewerage

أسست - سنة 1974  
مقاولون - زراعة عامة، ري  
تجهيزات مياه وصرف صحي

009713 7678610

دائرة البلدية  
وإدارة الطرق

MATERIAL APPROVAL SUBMITTAL (CIVIL)

GOVERNMENT OF ABU DHABI

AL AIN MUNICIPALITY

FORM "P" FOR PREVIOUSLY APPROVED MATERIALS

All sections of the form must be completed and relevant copies of Specifications, Standards, Drawings, certificate of Registration to National Standards, ISO Certifications, Test Certificates, catalogues, Compliance Statements Checklist, Track Record, Municipality General Approval, etc shall be attached where not applicable shall be marked "NA"

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Project Name &/or Area: The Infrastructure for Ramlat Al Rale Residential Area		Budget of: Roads & Infrastructure Section Al Ain Municipality
Consult Maunsell / AECOM Consultancy	Contractor:	Bin Hamm Agricultural Co
Submittal No. 05	Date Submitted:	18-02-2007
Material: V.C. Pipe and Fittings	Product Name:-	V.C. Pipes and Fittings
Producer/Manufacturer/Fabricator's Name & Address M/s Saudi Vfilled Clay Pipe Co P.O. Box No. 6415, Riyadh, Kingdom of Saudi Arabia Ph. No. 00966-1-4769192 Fax 00966-1-4782458	Supplier's Name Address M/s Saudi Vfilled Clay Pipe Co P.O. Box No. 6415, Riyadh, Kingdom of Saudi Arabia Ph. No. 00966-1-4769192 Fax 00966-1-4782458	
Specification: Clause 2.31.1 and 2.31.2	B.O.O Reference:-	Page No. 2-9/1 Item No. A to M Page No. 2-9/2 Item A,B,C, N,P & R Page No. 2-9/3 Item A,B,C & D
Relevant Drawings:	Test Certificates:-	Attached
Complying Standard: BS EN 295	Compliance Checklist:-	
National Standard Registration	ISO Certificates:-	
Technical Details: V.C Pipes and Fittings according to BS EN 295 Class 160	Quantity:-	150mm dia - 1950 Mtrs 200mm dia - 9040 Mtrs
Previous Approval and its Scope of application and/or any limitations: Main Sewer and Branches	Previous Contract/s:	M-16 M-28 E M-28 F M-30 A
Proposed area of Application:	Sample(provided/accessible):	

I certify that the proposed material complies with contract specs and the information given above is authentic.



Signature of Contractor's Project Manager with Date

*MAS*

18.02.2007

Approved;  Not Approved. Returned: Al Ain المين

Comments: *Subject to Comply with standards and specifications*

Signature with Date & Stamp: 19.02.2007 AREME *[Signature]* RE *[Signature]* 19-2-2007

Endorsed;  Not Endorsed;  Further Information Required

Comments: *1) Must comply with standards, specifications, etc 2) No pipe older than 3 months to be used in works 3) Random samples shall be tested for compliance 4) Submit separately for rubber gaskets*

Signatures with Dates:  
Quality Engineer: *[Signature]*  
Project Engineer: *[Signature]*  
DIRECTOR: *[Signature]*