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شركة بني ياس للمنتجات الخرسانية
BANIYAS CONCRETE PRODUCTS
Leading the precast industry

We are proud to say that BCP have now completed 17 years of leading the precast industry, specially the Reinforced & Jacking Concrete Pipes in the Gulf Region.

We have an immensely talented team and we are determined to take BCP business to new heights level in the region. BCP strategy served to offer valuable insight into the Gulf market and our commitment towards the business in line with our vision: “To be recognized by our customers as the company whose service standards and level of performance exceeds those of our competitors”.

QASIM ABDULRAHMAN ALSHARAFI
MANAGING DIRECTOR

BANIYAS CONCRETE PRODUCTS L.L.C.

BANIYAS CONCRETE PRODUCTS L.L.C. (BCP), 100% national industrial company, headquartered in Abu Dhabi, was established in 1996 to cater the needs of local and Gulf Region market for high quality reinforced concrete pipes, jacking pipes, manholes, chambers, telecommunication junction boxes, concrete precast elements and marine quay walls as well as civil infrastructure works for on-shore & offshore projects, airports and power plants to the government, engineering, gas & oils companies and all other authorities.

BCP is offering engineering and support services to our clients and the total solution approach aimed at assisting them with their project development, from design to completion.

R. & D. AND QUALITY CONTROL

Baniyas Concrete Products (L.L.C) believes in the selection of Men, Machine, Method and Material to ensure the desired level of Quality. This is achieved by employing highly qualified and skilled professionals, state of the art machinery, implementing the International Standard and by using high grade raw materials for our products.
At BCP, Quality focus is enforced at every aspect, right from Design to Delivery, Quality and customer's requirement are given paramount importance during every stage of production. All processes are continually monitored with rigorous inspection at every stage.

Product Identification
Quality control begins at the source of supply, where raw materials are tested before being delivered. Materials are received and stored in specially constructed, segregated and shaded areas which are clearly identified so as to prevent cross contamination and accidental use of wrong supplies. Aggregates hoppers are set-up in a similar way to storage bins, and the yard between them and the storage area is swept mechanically, keeping the whole operation spotless and clean.

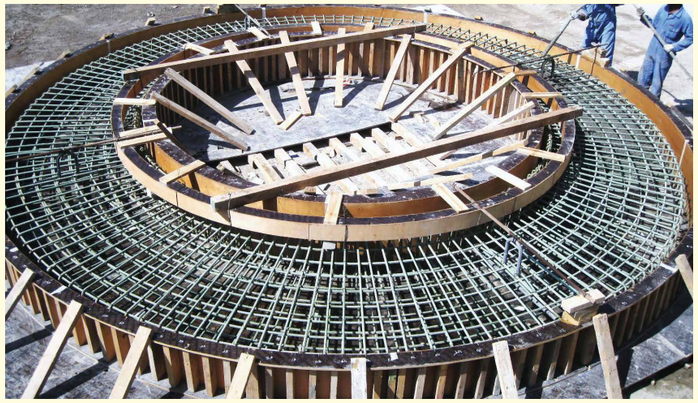
Storage and Preservation
Storage of other types of material is carefully controlled so as to prevent damage or deterioration and ensure that those affected by time are used before expiry date. All storage areas are kept clean and tidy so that access is unimpeded and to reduce the likelihood of accident and incident.

Work Environment
BCP's philosophy of continuous improvement is clearly demonstrated by the adoption of the latest innovation in management tools and information technology. Coupled with an impeccable work environment, this contributes to the promotion of a high degree of motivation and the search of excellence among its employees.

Laboratory Services
A fully equipped laboratory is located in the factory, where much of the ray material and finished product testing are carried out. Calibration is under taken both in-house and by third parties, and is planned so that all inspection, measuring and test equipment is kept in optimum operation condition. Concrete mixes are carefully designed and tested before any production run is started, then adjusted and re-tested according to variation in the parameters and in the contract specification. The laboratory control system is integrated with the company's quality control.

Customer's Satisfaction
With our main emphasis on customer satisfaction, Baniyas Concrete Products (LLC) has a proven track record for more than 17 years of converting customer needs into superior products with competitive cost, high quality, optimum lead-time, on time delivery, and value added services. As of today, Baniyas Concrete Products (L.L.C.) holds a prestigious customer base comprising from all over GCC countries.

Looking Ahead
From a humble beginning in 1997, today Baniyas Concrete Products (L.L.C.) has grown into a corporation and is capable of supplying all infrastructure projects. In the coming years, Baniyas Concrete Products (L.L.C.) would like to be a trusted partner for all the leading contractors, who are turning their heads towards us for quality and economic pricing. At Baniyas Concrete Products (L.L.C.), we nurture technology for the cause of a better tomorrow.



REINFORCED CONCRETE PIPES

A. APPLICABLE CODES & STANDARD TABLE

BCP RC and jacking pipe conform to the following international quality standards:

STANDARD	TITLE
BS 5911: Part 1: 2002	Specification for unreinforced and reinforced concrete pipes (including jacking pipes) and fittings with flexible joints (complementary to BS EN 1916:2002)
BS 5911: Part 100: 1988	Specification for unreinforced and reinforced pipes and fittings with flexible joints
BS 5911: Part 120: 1989	Specification for reinforced jacking pipes with flexible joints
ASTM C 76 M	Reinforced concrete culvert, storm drain and sewer pipes
DIN 4032	Concrete pipes and fittings
DIN 4035	RC pipes, RC pressure pipes and suitable fittings of reinforced concrete
ASTM C 361 M	Reinforced concrete low head pressure pipe
ASTM C443 M	Joint for circular concrete sewer and culvert pipe using rubber gasket

B. PIPE MANUFACTURING PROCESS

1) Reinforcement
The RC pipes are produced with one or two layers of circumferential reinforcement, formed by means of longitudinal reinforcement welded to them in a way to obtain steel cages. Welding is done through automated cage machine. As the cage revolves, steel wire is wound in a spiral around the longitudinal bars and automatically welded at each contact point.

2) Mould Assemble
A base of pallet of the appropriate size is placed on even and clean ground and the steel reinforcement cage and the steel collar securely fixed around it. The outer mould is then lowered around the cage and locked to the base pallet, and the whole assemble is moved by the overhead crane to the pit.

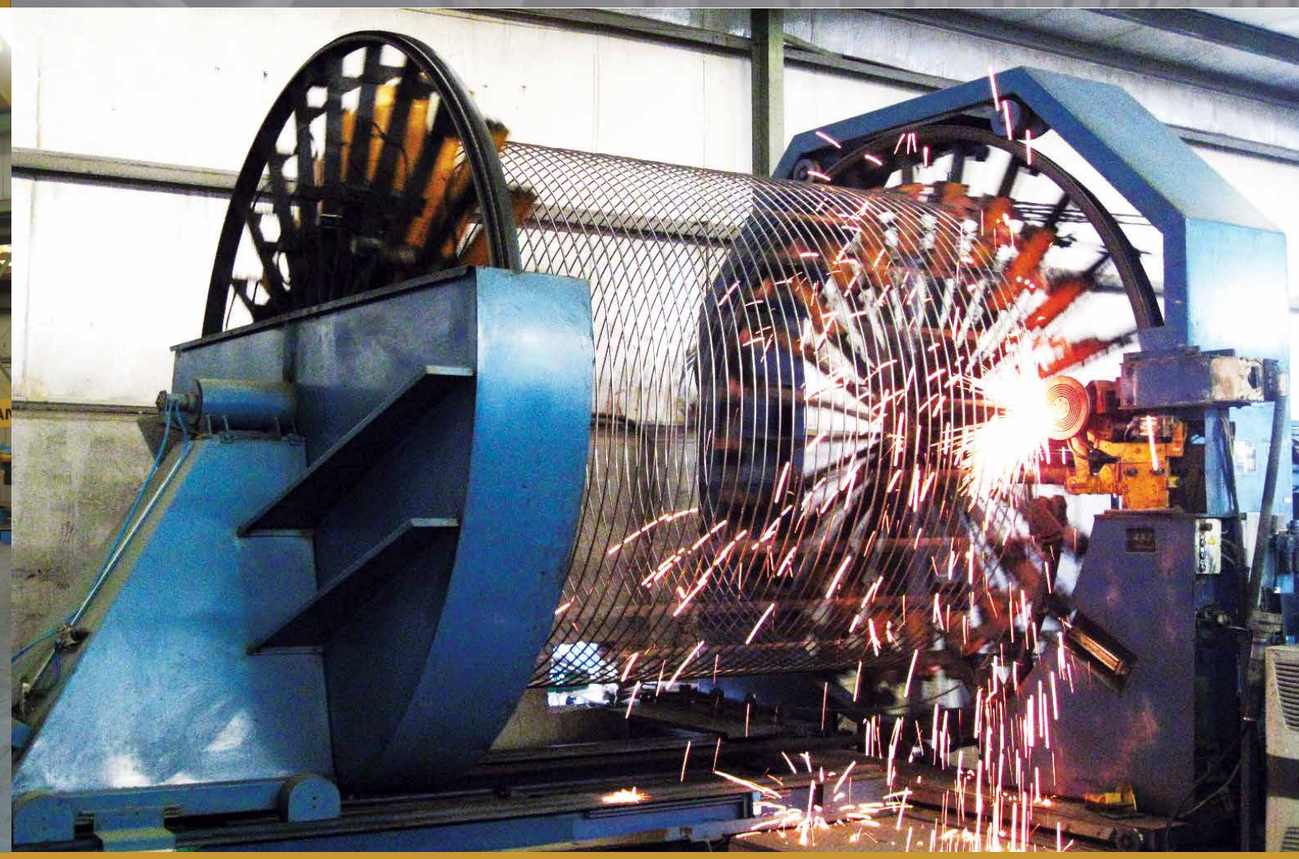
3) Installation
In the vertical dry casting method, the mould assemble is lowered in the pit. The mould is now ready for concrete filling.

4) Concrete Mixing & Feeding
Concrete mixing process takes place at fully automated batching plant in quantities sufficient for the amount of each pipe to be made. The concrete mix is transferred through the concrete feed that runs forward and the filling of the pipes starts. The PLC will be set to automatic, causing the vibrators to start at the correct time. When the mould is full, the belt feeder is stopped and retracted.

5) Demoulding & Curing
The complete mould assemble is lifted by the overhead crane and is transported to the curing area, where the locks between the outer mould and the pallet are released and the outer mould is removed while the pipe is in the curing area, where it is wrapped with polythene sheet for a sufficient period.

6) External Coating (If required)
When the pipe is sufficiently cured, it is taken by the overhead crane to the coating area, or to the open store as applicable. In case of epoxy coated pipes, the pipe is securely mounted on a turning table. The coating operation starts while the table is revolving with the speed of the spray gun and the revolving table adjusted according to the thickness of the epoxy required.

7) Final Curing
Upon completion of external coating where applicable, the pipes are transported by a gantry crane to the turnover table, where they are picked up by the forklift and placed in the open storage area to complete a minimum curing period as specified. At this stage, the final inspection is carried out by the Quality Control Team in order to approve delivery of the pipes to the customer.

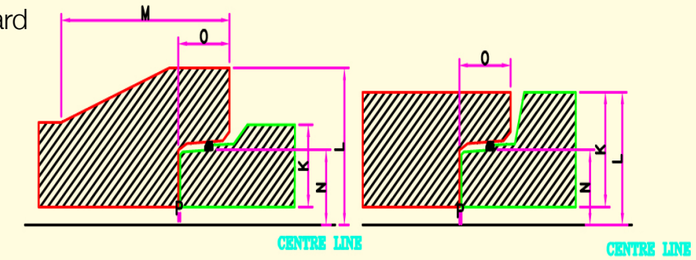


WARRANTY

BCP warrants that its products conform to the specified standards to which they are produced against defects due to faulty materials of workmanship for a period of one year from the date of delivery.
The product data sheets and information contained herein are of a general nature, intended to provide an overview of our products and services. Customers using our products are invited to follow current industry practice, client's standards, specification and stated operating conditions. We expressly disclaim responsibility for condition of use or any other factor outside our control.

C. PRODUCT INFORMATION

RC pipe dimensions for Standard Pipes (Open Trench)

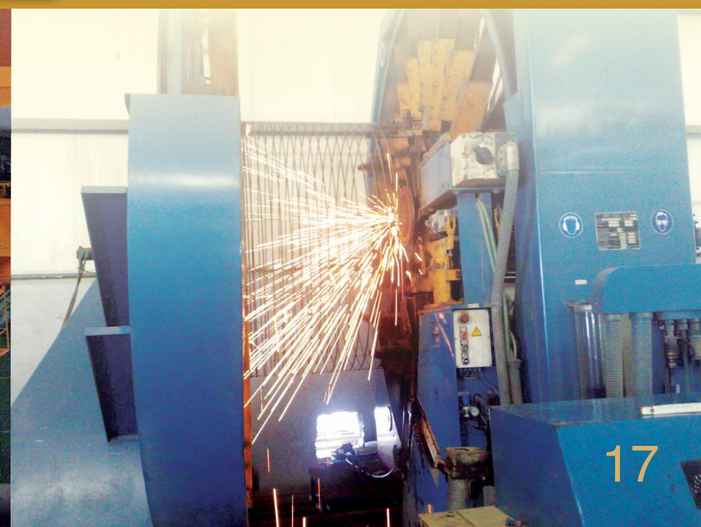


Diameter	Type	Nominal Length	Internal Lining	External Coating
300mm to 3000mm	Reinforced Concrete Pipes	3 Meter	UnlinedHDPE T-liner, PVC T-Lock, GRP or Other	Uncoated or Externally Coated as specified.
	Jacking Pipes	3 Meter		
	Rocker Pipes	< 3 Meter		
	Short Pieces	< 3 Meter		

Nominal Diameter	Pipe Length	Wall Thickness	Nominal Bell Outside Dia.	Nominal Bell Length	Joint Diameter	Joint Lap	Joint Space	Approx. Pipe Weight
		K	L	M	N	O	P	W
mm	mm	mm	mm	mm	mm	mm	mm	Kg
324	3000	78	650	275	438	95	5	750
407	3000	78	735	275	534	95	5	900
457	3000	82	785	275	604	95	5	1100
508	3000	88	835	275	674	95	5	1250
600	3000	94	910	275	741	95	5	1700
700	3000	107	1040	293	858	95	5	2200
800	3000	112	1170	311	967	95	5	2700
900	3000	120	1291	325	1094	115	5	3250
1000	3000	128	1405	340	1204	115	5	3800
1100	3000	136	1548	394	1289	115	5	4250
1200	3000	144	1676	394	1422	115	5	4900
1300	3000	153	1760	394	1489	115	5	5480
1400	3000	162	1920	405	1654	115	5	6450
1500	3000	170	2000	415	1765	115	5	6900
1600	3000	180	1960	-	1765	115	5	7900
1700	3000	186	2080	-	1890	120	10	9000
1770	3000	209	2188	-	2004	120	10	9500
1800	3000	194	2188	-	2004	120	10	9800
2000	3000	211	2422	-	2206	120	10	11000
2200	3000	230	2660	-	2415	120	10	13200
2400	3000	250	2900	-	2622	120	10	15600
2600	3000	260	3120	-	2842	120	10	16800
2800	3000	280	3360	-	3040	120	10	20000
3000	3000	298	3596	-	3232	120	10	23000

BCP can manufacture and supply any specific or special RCP products to meet customer requirements.

AWARDS CERTIFICATES



D. RC PIPE INSTALLATION (OPEN TRANCH)

1) PURPOSE

The purpose of these procedures is to outlines some important steps in concrete pipes installation. They are only intended as a guideline and do not replace or supersede project specification and contract documents.

2) RESPONSIBILITY FOR IMPLEMENTATION

The contractor is responsible for ensuring the implementation of these procedures whilst the factory provides site support and technical advice to the contractor.

3) HEALTH AND SAFETY

All necessary precautions required by stator regulations or dictated by actual circumstances are to be taken by the contractor during the installation of RC pipelines to ensure safety of both the public and pipe layers, including provision of uniform support along the pipeline. Additionally, the contractor should avoid interrupting or damaging public or private utilities encountered during the course of the work.

The contractor should also validate the installation practices with the Engineer's design assumptions, particularly in relation to the use of dewatering, trench boxes as well as compaction requirements to the backfill and other relevant site conditions.

4) PRE-CONSTRUCTION

4.1) Ordering

The ordering of materials should be closely coordinated between the contractor and the factory as per the approved engineer construction schedule thus enabling better coordination in order to avoid mistakes and possible delays in pipe deliveries. Once the order confirmation is received, then pipes will be produced, cured, checked, stamped and delivered to the project site.

4.2) Unloading and handling

Unloading of pipe should be coordinated with the construction schedule and installation sequences to avoid double handling and unnecessary equipment movement. Access to the job site shall be provided to ensure that the trucks can deliver the pipes to the unloading area.

Special attention should be given to avoid damage when handling the RC pipes, especially to the pipe ends, pipes much never be dragged or rolled over on rough ground. Correct equipment should always be used for loading and unloading in order to protect the sockets and spigots.

RC pipes mush be stacked on even ground, either on timber or on a soft sand heap. The involved personnel should make sure that the bottom row is securely checked and that the following numbers of layers for stacking pipes on site is never exceeded:

Dia. 600 to 900 : 2 layers

Dia. 1000 and more : 1 layer.

4.3) Joint Rubber Protection

Joint rubber rings must be stored away from direct sunlight, heat, dust or possible contact with oil.

RC PIPE INSTALLATION

5) INSTALLATION

5.1) Layout and setting

The contractor is responsible to check the construction drawings and make trial holes to ensure that the area is free from obstruction or existing services.

5.2) Excavation and preparation

Trench should be kept to the specified width, since an increase in the trench width will increase the load on the pipe. On the other hand, a trench narrower than specified may impede the proper placing and consolidation of the bedding material and restrict working conditions in the trench during pipe laying.

5.3) Trench Formation

The soil bearing capacity at the formation level must satisfy the design criteria. Any unstable or unsuitable material that can cause differential settlement should be dug out and replaced with selected material as recommended by the geotechnical report.

5.4) Preparation and Jointing

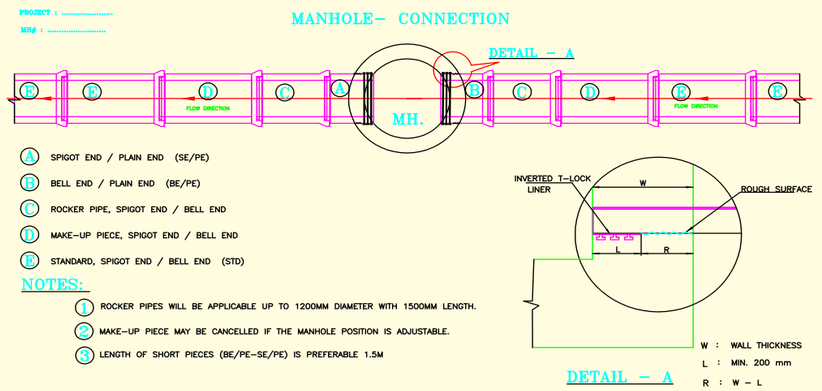
While temporarily supporting the pipe close to its final position, check the spigot end, the socket end and the rubber gasket to ensure that they are all clean. The rubber rings is then stretched over the inner end of spigot. Finally, plucking and adjustment of the ring is done until is uniformly seated around its circumference.

5.5) Laying

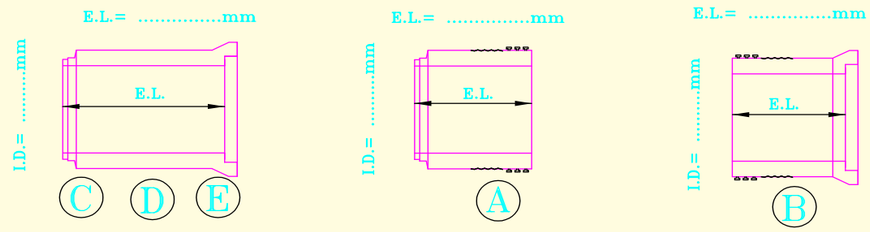
Keeping the pipes centered in line carefully moved the spigot towards the laid socket until the entire rubber gaskets makes contact with the lead in bevel around the full circumference.

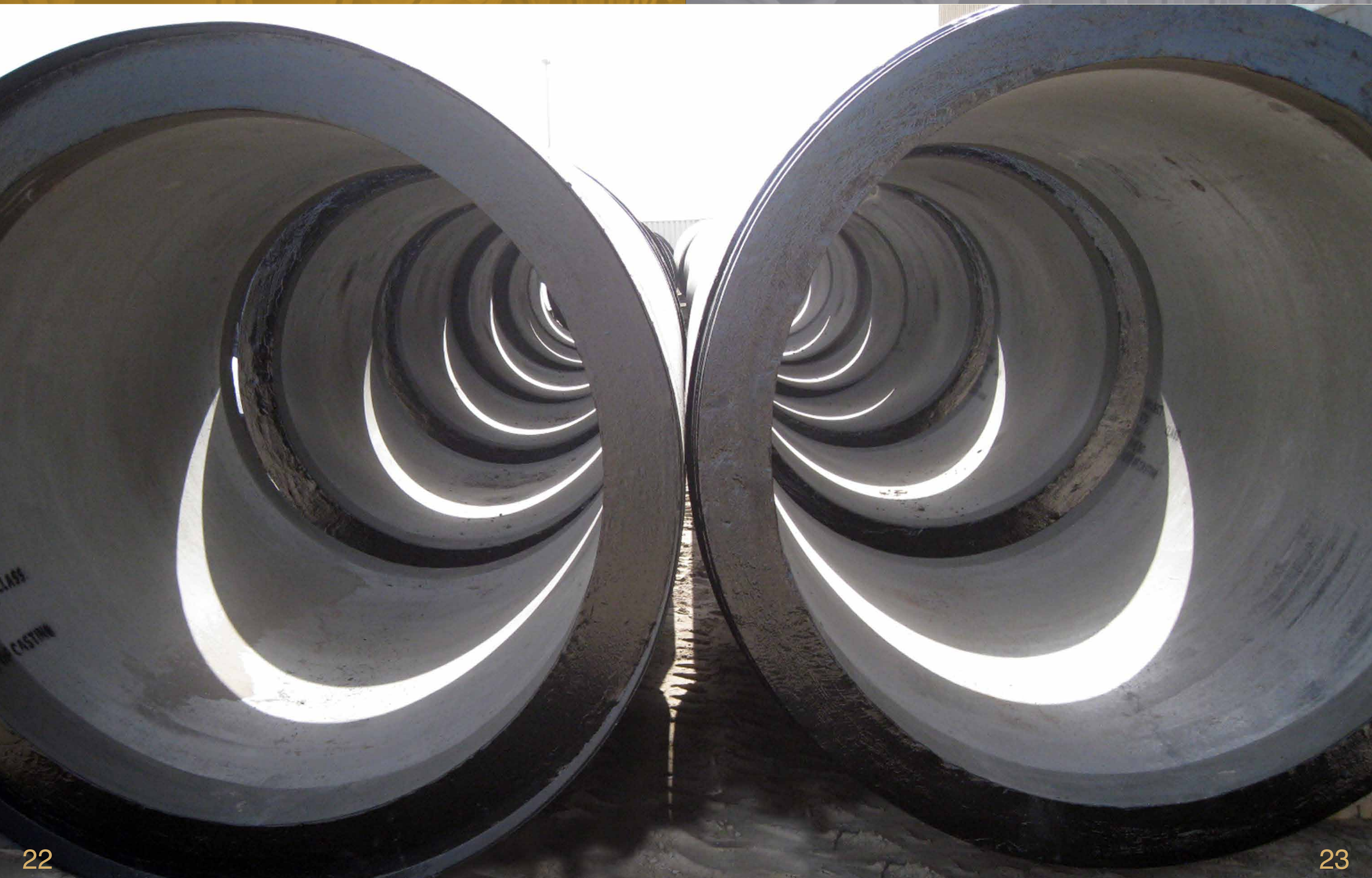
The spigot should then be pulled or pushes slowly into the socket as far as possible. Maximum force is required at the beginning of travel when the rubber gasket is being compressed between the spigot head and the smooth cylindrical face of the socket. During travel, a much smaller force and the spigot shoulder, the then the pipe must be withdrawn, alignment and gasket position checked and the above steps repeated after ensuring rubber integrity.

E. MANHOLE CONNECTION DETAILS



PIPE MEASURMENTS





REINFORCED CONCRETE JACKING PIPES USING MICRO-TUNNELING

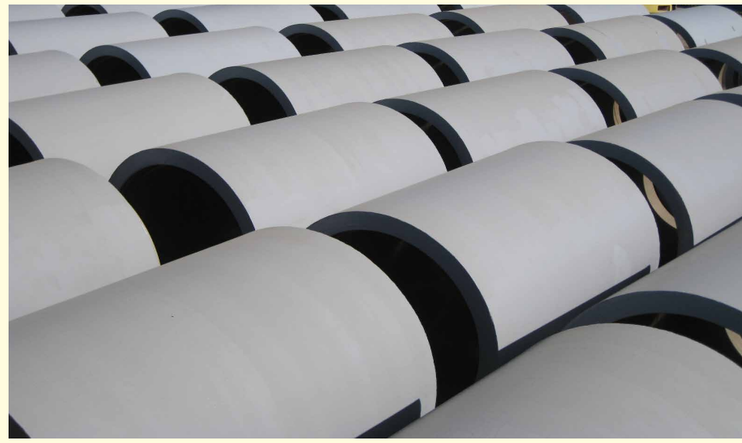
PIPE JACKING CONSTRUCTION METHODS

A. GENERAL DETAILS

Baniyas Concrete Products jacking pipes for micro-tunneling or pipe jacking construction methods are manufactured in full range of size to suit the most diverse range of applications from DN 500mm to DN 3000mm in 2m and 3m construction lengths. BCP jacking pipes are designed to resist the axial stresses of jacking as well as vertical loads (live, dead loads). The pipe joint consist of a mounted collar integrated into the pipe wall made of mild steel, stainless steel, glass fiber reinforced plastic, steel rim, etc… with rubber gasket to ensure uniform pressure transfer between the ends of adjacent pipes, a packing wood (16-20mm) thickness should be fitted for the uniform distribution of the axial force.

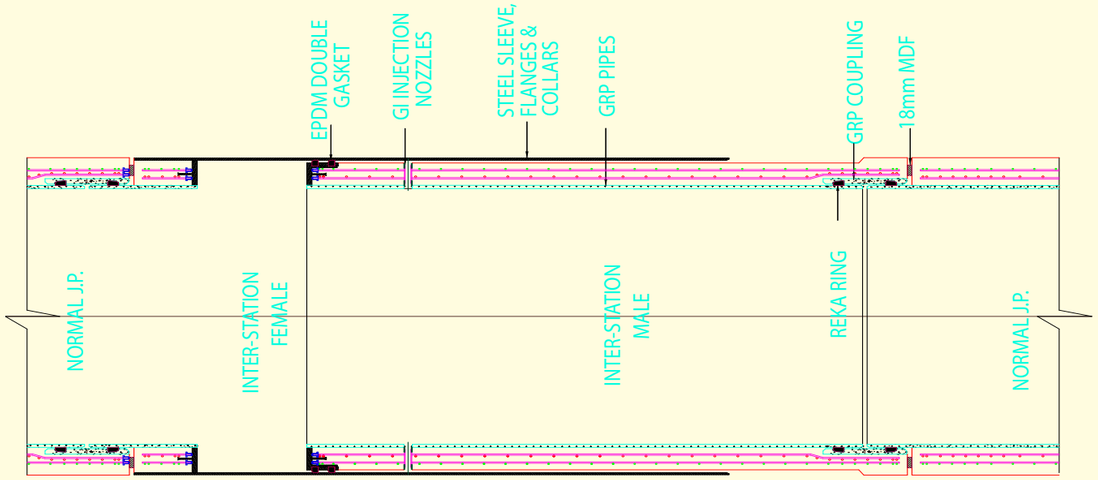
The external surface of the pipes may be protected by sufficient layer of protection paint as per project specification and the internal surface of the pipes may be lined or unlined depending on the project requirements.

Dependent on the site conditions which make bentonite lubrication necessary, injection sockets are fitted in the pipe wall prior casting. For longer tunneling lengths, intermediate jack station are required in order to reduce the jacking force on the main jacks.

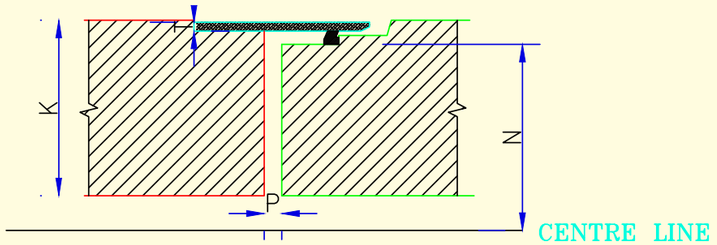


B. APPLICABLE CODES AND STANDARDS

The encasement is manufacture to meet one or a combination of jacking pipes standards listed on page 10



JACKING REINFORCED CONRETE PIPES



ID	OD	W.T	LENGTH	COLLARS		JOINT	MAX JACKING FORCE WITH SAFTY FACTOR 4 AND FULL BEARING AREA	Approx. Pipe Weight
		K		T	di	N		
MM	MM	MM	MM	MM	MM	MM	TON	KG
500	765	132.5	2000	8	744	720	264	1300
			3000					
600	765	82.5	2000	8	744	720	156	890
	965	182.5	3000		944	920	478	5500
700	965	132.5	2000	8	944	920	350	1750
			3000					
800	965	82.5	3000	8	944	920	203	1750
	1090	145	3000		1070	1040	434	7000
	1285	242.5	3000		1265	1237	874	10000
1000	1285	142.5	3000	8	1265	1237	520	3900
1200	1490	245	3000	8	1470	1443	631	4600
	1620	210	3000	8	1600	1578	1031	15500
1340	1620	140	3000	10	1596	1578	682	4900
1400	1724	162	3000	10	1698	1667	804	6000
1500	1840	170	3000	10	1816	1783	912	6700
	1900	200	3000	10	1876	1843	1126	8000
1600	1900	150	3000	10	1876	1843	821	6200
	1960	153	3000		1936	1903	1042	7600
1700	2080	180	3000	10	2056	2018	1161	8500
1770	2188	209	3000	10	2164	2140	1420	9800
1800	2188	194	3000	10	2164	2140	1315	9200
2000	2422	211	3000	10	2398	2356	1522	11000
2200	2660	230	3000	10	2636	2594	1854	13200
2400	2900	250	3000	10	2876	2838	2252	15600
2600	3000	200	3000	10	2976	2938	1838	13200
	3120	260	3000		3096	3058	2544	16800
2800	3360	280	3000	12	3332	3298	2981	20000
3000	3596	298	3000	12	3568	3534	3425	23000

BCP can manufacture and supply any specific or special RC Jacking pipe products to meet customer requirements.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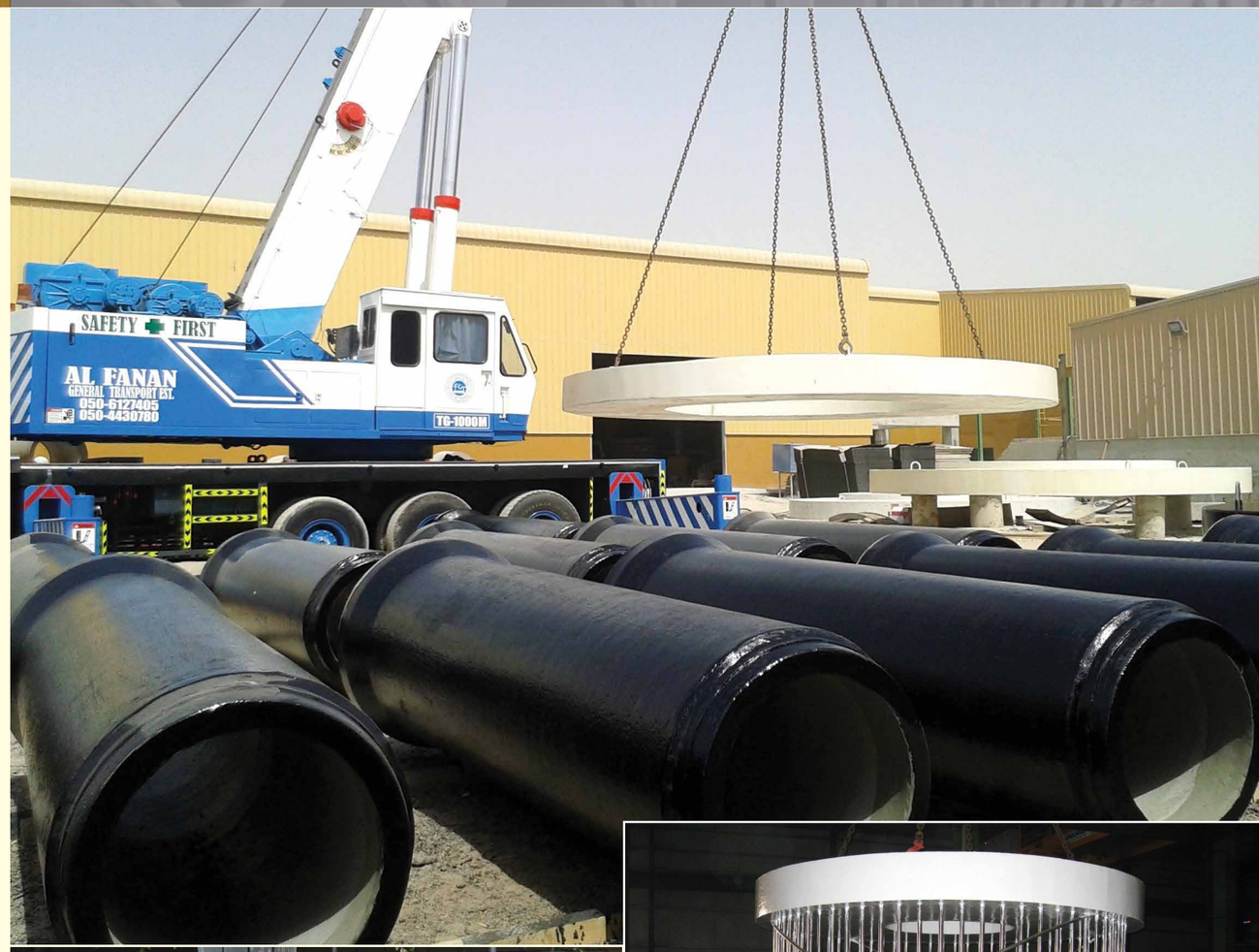
BANIYAS
CONCRETE PRODUCTS

PRECAST CONCRETE SYSTEM

A. INTRODUCTION

Baniyas Concrete Products develops the manufacturing of precast concrete system to improve on the quality comparing to the site condition and to achieve ultimate benefits to the clients. This is accomplished by executing the casting activities under factory controlled conditions where raw materials are properly stored, handled, moulding and framework systems are of the highest quality, strict supervision and quality control are exercised during concreting, curing and other stage of the cycle.

Factory precasting eliminates the various logistical problems encountered when constructing these manholes, especially in remote project locations, making client's representative inspection an easy task. But perhaps one of the biggest advantages of the precast concrete system is the extreme reduction in the installation time, thus shortening the project duration. Quality and Economy are two salient characteristics of our precast concrete system.

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PROJECT REFERENCE LIST

	PROJECT DESCRIPTION	ELEMENT	CTRY.	CONTRACTOR	CLIENT	CONSULTANT	QTY (meter)	YEAR
1	CONTRACT NO. O-11008 ASSET ENHANCEMENT SCHEME	RC/GRP JACKING PIPE	UAE	MABANI DELMA GENERAL CONTRACTING CO. LLC	ADSSC	MWH	7998	2013
2	INTERNAL ROADS & SERVICES IN MBZ CITY VARIOUS SECTORS SECTOR Z31, CONTR. 1 (PA090)	PIPES	UAE	BIN HAFEEZ GEN. CONTR. EST.	ABU DHABI MUNICIPALITY	JACOBS	384	2013
3	HABSAN MAQTA TAWEELAH PIPELINE PJT NO. AE 77	PIPES	UAE	DODSAL ENG. & CONST. PTE. LTD	GASCO	-	700	2013
4	SARB DEVELOPMENT PKG-1, ZIRKU ISLAND ABU DHABI	PIPES	UAE	ARCHIRODON CONSTRUCTION CO. S.A	ADMA	ADMA	1365	2013
5	ZAKUM ISLAND EARLY WORKS	PIPES	UAE	AL JABER ENERGY SERVICES LLC	ZAKUM ISLAND	ZAKUM ISLAND	864	2013
6	AUH-06.13.0484 DESIGN AND BUILD NINE CODE E HARDSTANDS	PIPES	UAE	AL NABOODAH NATIONAL CONTRACTING GROUP LLC	ABU DHABI AIRPORT COMPANY (ADAC)	RAMBOLL MIDDLE EAST/ JACOBS	963	2013
7	SOUTH AIRFIELD DEVELOPMENT & REHABILITATION - CONSTRUCTION	PIPES	UAE	LANE-DS-NC CONSORTIUM	ABU DHABI AIRPORT COMPANY (ADAC)	JACOBS	9943	2013
8	MIDFIELD TERMINAL COMPLEX-AIRSIDE CONSTRUCTION	PIPES	UAE	LARSEN & TOUBRO LTD	ABU DHABI AIRPORT COMPANY (ADAC)	AECOM	9431	2013
9	TAKREER CARBON BLACK DELAYED COKER	PRECAST	UAE	SAMSUNG ENGG. / UNION PIPE INDUSTRIES	TAKREER	JACOBS	35000 PIECES	2013
10	AL AIN WATER DISTRIBUTION NETWORK PIPELINES, CONTRACT NO. N-7894B	JACKING PIPE	UAE	GULF TUNNELING COMPANY L.L.C.	TRANSCO	ILF CONSULTING ENGINEERS	369	2013
11	TAKREER RUWAIS REFINERY EXPANSION PACKAGE #3, OFF SITES AND UTILITIES PJT. CONT. NO. 09-5578-E-3, SAMSUNG PJT NO. S02302	PRECAST	UAE	UNION PIPES INDUSTRIES L.L.C.	ABU DHABI OIL REFINING COMPANY	MOTT MAC DONALD	320	2013
12	C177, SULTANATE OF OMAN	JACKING PIPE	OMAN	GULF PETROCHEMICAL SERVICES & TRADING L.L.C.	HAYA	ASSOCIATED CONSULTING ENG.INTL.	393	2013
13	HABSAN MAQTA TAWEELAH PIPELINE PJT NO. 5272 ABU DHABI GAS INDUSTRIES LIMITED (GASCO)	JACKING PIPE	UAE	DODSAL ENG. & CONST. PTE. LTD	GASCO	-	972	2013
14	ZADCO-SATAH FULL FIELD DEVELOPMENT PJT, ZADCO PJT NO P7218, NPCC/TECHNIP PJT NO. 9682Z	PIPES	UAE	GRANITE CONSTRUCTION COMPANY	ZADCO	NPCC-TECHNIP CONSORTIUM	157	2013
15	WW178-FEWA 11W/2011 DN600 TRANSMISSION PIPELINE FROM THOUBAN TO MASAFI W.D.C	PIPES	UAE	BELHASA PROJECTS LLC.	-	-	439	2013
16	5210-JW-0819-NEEC-NEW LIGHT MAINTENANCE HANGARS-DUBAI	PIPES	UAE	NATIONAL WHEEL J & P L.L.C	-	-	670	2013
17	ABU DHABI INTERNATIONAL AIRPORT-MIDFIELD TERMINAL BUILDING	PIPES	UAE	TAV-CCC-ARABTEC JV	ADAC	AECOM	114	2012
18	WATER TRANSMISSION LINES INSIDE AL SOWA ISLAND LOT B	JACKING PIPE	UAE	AL NASR CONTRACTING COMPANY LLC	TRANSCO	TEBODIN MIDDLE EAST	207	2012
19	PROJECT R709/3A/1 - INTERCHANGE 8 - SHEIKH ZAYED ROAD	GRP JACKING PIPE	UAE	AL MANBAA DRILLING EST.	RTA	AECOM	712	2012
20	SHAH-HABSHAN-RUWAIS, ETIHAD RAILWAYS	PIPES	UAE	ALWASIT ROAD CONTRCTORS	ETIHAD RAIL	PMC PARSON	688	2012
21	UAE ARMED FORCE COMMAND OF MILITARY WORKS	PIPES	UAE	CATALYST	CMW	CMW	877	2012
22	RUWAIS REFINERY EXPANSION PROJECT	PIPES	UAE	AL JABER	TAKREER	TAKREER	1020	2012
23	SOUTH SHAMKHA INFRASTRUCTURAL WORK LOT 2	JACKING PIPE	UAE	TRISTAR ENGG. & CONSTR.	MUSANADA ABU DHABI	AECOM	798	2012
24	SOUTH SHAMKHA INFRASTRUCTURAL WORK LOT 3	PIPES	UAE	CSCEC JV ARC	MUSANADA ABU DHABI	MOTT MAC DONALD	31324	2011
25	SOUTH SHAMKHA INFRASTRUCTURAL WORK LOT 2	PIPES	UAE	TRISTAR ENGG. & CONSTR.	MUSANADA ABU DHABI	AECOM	32979	2011
26	SOUTH SHAMKHA INFRASTRUCTURAL WORK LOT 1	PIPES	UAE	GHANTOOT TRANSPORT & GEN. CONTR. EST.	MUSANADA ABU DHABI	IDROESSE	33269	2011
27	SOUTH SHAMKHA INFRASTRUCTURAL WORK LOT 4	PIPES	UAE	SAIF BIN DARWISH	MUSANADA ABU DHABI	AECOM	35745	2011
28	PROJECT: 8461 ZADCO - ZIRKU OILY WATER PIPE	PRECAST	UAE	UNION PIPES INDUSTRIES L.L.C.	ZADCO	BUREAU VERITAS	1000 pieces	2011

PROJECT REFERENCE LIST

SL. NO.	PROJECT DESCRIPTION	ELEMENT	CTRY.	CONTRACTOR	CLIENT	CONSULTANT	QTY (meter)	YEAR
29	SQ 21 LATERAL, SULTANATE OF OMAN	JACKING PIPE	OMAN	GULF PETROCHEMICAL SERVICES & TRADING L.L.C.	HAYA	ASSOCIATED CONSULTING ENG.INTL.	448	2011
30	TAKREER RUWAIS REFINERY EXPANSION PACKAGE #3, OFF SITES AND UTILITIES PJT. CONT. NO. 09-5578-E-3, SAMSUNG PJT NO. S02302	PRECAST	UAE	UNION PIPES INDUSTRIES L.L.C.	ABU DHABI OIL REFINING COMPANY	MOTT MAC DONALD	1300 pieces	2011
31	UMM AL NAR WEST PIPE LINE CONSTRUCTION PROJECT,CONT. NC TDS-022	PRECAST	UAE	ALSA ENGG & CONSTR. CO. LLC.	DOLPHIN ENERGY LIMITED	WORLEY PARSONS	127 pieces	2011
32	KPIZ PROJECT CONTRACT NO. 1001-260	PIPES	UAE	FOURTH DIMENSION	KPIZ	BACTELL	480	2011
33	WBS-1.10.1.3-SOUTHSIDE WAREHOUSE & OFFICES DEVELOPMENT PHASE 1A-ROADS AND UTILITIES INFRASTRUCTURE	PIPES	UAE	BALFOUR BEATTY (ABU DHABI L.L.C.)	SCADIA	JACOBS	200	2011
34	UPGRADING OF SALAM STREET, ABU DHABI CITY RING ROAD	PIPES	UAE	MACE-MECHANICAL & CIVIL ENG. CONTR. CO.	ABU DHABI MUNICIPALITY	PARSONS INT'L LTD.	150	2011
35	ADSSC CONTRACT NO. O-1434, AL AIN ASSET ENHANCEMENT SCHEME-CONSTRUCTION OF TRUNK SEWERAGE AND TSE INFRASTRUCTRE PART 1	JACKING PIPE	UAE	GULF CONTRACTORS CO.	ADSSC	HYDER CONSULT	2001	2011
36	CONSTRUCTION OF TSE PIPELINE FROM AL MAFRAQ TO AL WATHBA	JACKING PIPE	UAE	GULF CONTRACTORS CO.	ADSSC	PARSONS INT'L LTD.	185	2011
37	AL MANBAA DRILLING EST.	JACKING PIPE	UAE	AL MANBAA DRILLING EST.	AL MANBAA	-	450	2011
38	UPGRADING OF SALAM STREET & ABU DHABI CITY RING ROAD	PIPES	UAE	MACE-MECHANICAL & CIVIL ENG. CONTR. CO.	ABU DHABI MUNICIPALITY	PARSONS INT'L LTD.	205	2011
39	DUBAI-FUJAIRAH FREEWAY CONT. NO. 3	PIPES	UAE	AL AHAMADIAH AKTO LTD.	MINISTRY OF PUBIC WORKS	DORSCH CONSULT	350	2011
40	TAWELLA-FUJAIRAH GAS PIPE LINE	PRECAST	UAE	STROYTRANSGAZ/ LINK MIDDLE EAST	DOLPHIN ENERGY	WORLEY PARSONS	100,000 Pieces	2010
41	AL FALAH COMMUNITY DEVELOPMENT INFRASTRUCTURE WORKS VILLAGE 1	PIPES	UAE	HILAL BIL BADI & PARTNERS CONTR. CO. WLL	ALDAR	HYDER CONSULT	1960	2010
42	CONTRACT 488	PRECAST	UAE	AL RYUM CONT. & GEN. TRANS EST.	PGD	HYDER CONSULT	110 PIECES	2010
43	SHUWIEHAT S2 DESALINATION PLANT PROJECT	PIPES	UAE	GENOVA GENERAL CONTR. & TRANSP. CO	RUWAIS POWER PLANT	FICHTNER CONSULTANT	669	2010
44	AL REEM ISLAND DEVELOPMENT TOMOUH SECTOR 2 & 3	PIPES	UAE	COMBINED GROUP CONTR. CO.	TAMOUH INVESTEMENT	HYDER CONSULT	48	2010
45	T704-INFRASTRUCTURE WORKS FOR EXPANSION OF ESNAAD INDUSTRIAL AREA IN MUSSAFAH	PIPES	UAE	AL FIRAS GEN. CONT. & MAINT EST.	-	ECG ENGINEERING CONSULTING GROUP	990	2010
46	MAINTANANCE REHABILITATION AND ADDITIONAL WORKS FOR ROADS AND BRIDGES IN ABU DHABI ISLAND	PIPES	UAE	ARMITAGE ENGINEERING CO	-	-	125	2010
47	AL FALAH COMMUNITY DEVELOPMENT, ABU DHABI INFRASTRUCTURE WORKS PACKAGE A (VILLAGE 2&3) CONTRACT NO. A260101/2009/ C/034A	PIPES	UAE	GHANTOOT TRANSPORT & GEN. CONTR. EST.	ALDAR	HYDER CONSULT	8220	2010
48	A'SEEB WASTE WATER PROJECT-MAIN COLLECTOR SEWER CONTRACT NO. 2	JACKING PIPE	OMAN	GULF PETROCHEMICAL SERVICES & TRADING L.L.C.	HAYA	ASSOCIATED CONSULTING ENG.INTL.	640	2010

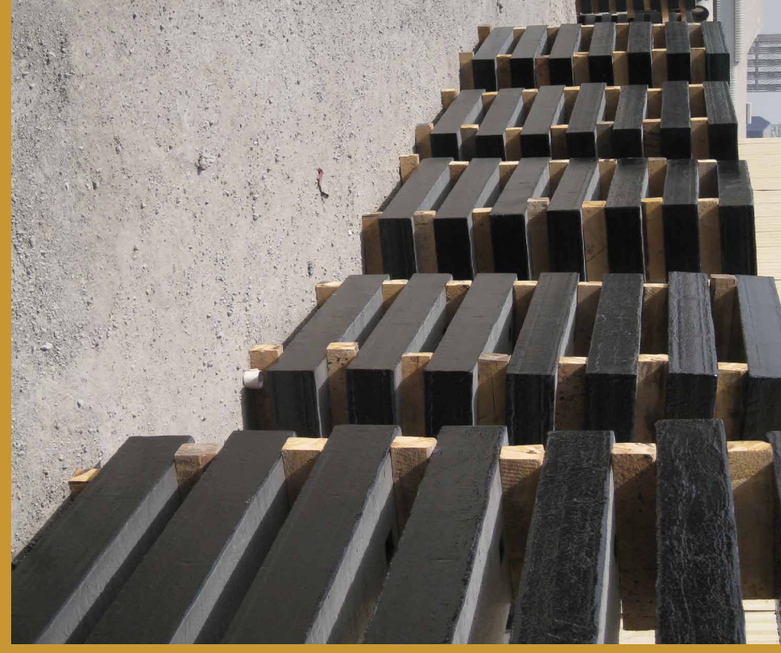
PROJECT REFERENCE LIST

SL. NO.	PROJECT DESCRIPTION	ELEMENT	COUNTRY	CONTRACTOR	CLIENT	CONSULTANT	QTY (meter)	YEAR
49	BAUSHER NETWORK MAIN TRUNK SEWER & QURUM PUMP STATION NO.1 (CONTRACT 2)	JACKING PIPE	OMAN	GULF PETROCHEMICAL SERVICES & TRADING L.L.C.	HAYA	ASSOCIATED CONSULTING ENG.INTL.	1500	2010
50	STORM WATER PUMPING STATIONS AND OUTFALLS, YAS ISLAND	PIPES	UAE	SIX CONSTRUCT CO. UAE	ALDAR PROPERTIES	HALCROW INTL' PARTNERSHIP	500	2010
51	AL NUBLAA	JACKING PIPE	UAE	AL NUBLAA GEN CONT.L.L.C.	AL NUBLAA GEN. CONT.L.L.C.	AL NUBLAA	360	2010
52	TAWELLA-FUJAIRAH GAS PIPE LINE	PRECAST	UAE	STROYTRANSGAZ	DOLPHIN ENERGY	WORLEY PARSONS	5300 Pieces	2009
53	CONTRACT NO: 480	PRECAST	UAE	ROYAL GARDENS AGRI. CONT. L.L.C	PGD	DORSCH CONSULT	624	2010
54	RUWAIS REFINERY EXPANSION PROJECT	PRECAST	UAE	DREDGING INTERNATIONAL	TAKREER	TEBODIN	108	2010
55	RUWAIS SUPLHUR EXPANSION-PHASE III	PRECAST	UAE	DODSAL ENG. & CONST. PTE. LTD	TAKREER	TEBODIN	604	2009
56	HABSAN 5 EARLY WORKS	PIPES	UAE	AL JABER ENERGY SERVICES LLC	ABU DHABI GAS INDUSTRIES LTD.	FLOUR	270	2009
57	SAS AL NAKHEEL-ROAD & PARKING	PIPES	UAE	AL JABER TRANSP.& GENERAL CONTR. LLC.	ABU DHABI MUNICIPALITY	DE LEUW CATHER INT'L	1000	2009
58	SHAFA AL NAHDAH	PIPES	YEMAN	SHAFA AL NAHDAH BUILDING CONTR.L.L.C.	S.A.N.B.C.	SHAFA AL NAHDAH	336	2009
59	FUJAIRAH	JACKING PIPE	UAE	AL MANBAA DRILLING EST.	AL MANBAA	AL MANBAA	200	2009
60	AL SAHRAA GEN. TRANSPORT	PIPES	UAE	AL SAHRAA	MILITARY WORK DEPT. ABU DHABI	AL SAHRAA	350	2009
61	GALFAR ALMISNAD-0022111 - QATAR	PIPES	QATAR	GALFAR ALMISNAD	GALFAR ALMISNAD	GALFAR ALMISNAD	546	2009
62	INTERCHANGES AT IP-111&111A	PIPES	UAE	MD.ABDULMOHSIN AL KHARAFI & SONS.	ABU DHABI MUNICIPALITY	PARSONS INT'L LTD.	3672	2009
63	SHAMS AL SALAM - PERIPHERIAL FENCE	PRECAST	UAE	SHAMS AL SALAM	C.N.I.A	AMIAL	16000 Piece	2008
64	AL RAHA BEACH - 2000 DIA.	PIPES	UAE	ABU DHABI J&P L.L.C.	ALDAR/LAING O'ROURK	MAUNSELL/ AECOM	126	2008
65	AL RAHA BEACH - 1000 DIA.	PIPES	UAE	ABU DHABI J&P L.L.C.	ALDAR/LAING O'ROURK	MAUNSELL/ AECOM	936	2008
66	UNITED EASTERN TRADING AGENCY	PIPES	UAE	UETA	UETA	UETA	15	2008
67	SALAAM STREET CONT. NO.3/1/180/1-1	PIPES	UAE	TETRA EMIRATES	ABU DHABI MUNICIPALITY	PARSONS INT'L LTD.	1,885	2008
68	DUBAI-FUJAIRAH FREEWAY CONT. NO. 1	PIPES	UAE	NATIONAL WHEEL J & P L.L.C	MINISTRY OF PUBIC WORKS	DORSCH CONSULT	1,225	2008
69	ADDITIONAL 14 BAY APRON, CODE "E", DOHA QATAR	PIPES	QATAR	SIX CONSTRUCT	SIX CONSTRUCT	SIX CONSTRUCT	850	2008
70	AL REEM ISLAND DEVELOPMENT - ORASCOM CONSTRUCTION INDUSTRIES	PIPES	UAE	ORASCOM	BUNYA	PARSONS INT'L LTD.	3,165	2008
71	GALFAR ALMISNAD - QATAR	PIPES	QATAR	GALFAR ALMISNAD	GALFAR ALMISNAD	GALFAR ALMISNAD	30	2008
72	ADVANCED TECHNICAL & OIL FIELD SUPLLIES Co. W.L.L. - QATAR	PIPES	QATAR	ADV. TECH.	ADV. TECH	ADV. TECH	270	2008
73	SAADIYAT LINK PROJECT 2569	PIPES	UAE	SAIF BIN DARWISH	T.D.I.C	PARSONS INT'L LTD.	1,743	2008
74	ABU DHABI CENTRAL MARKET REDEVELOPMENT CONSTRUCTION OF UTILITIES SERVICES	PIPES	UAE	AL HUSAM	ALDAR	HYDER CONSULT	585	2008

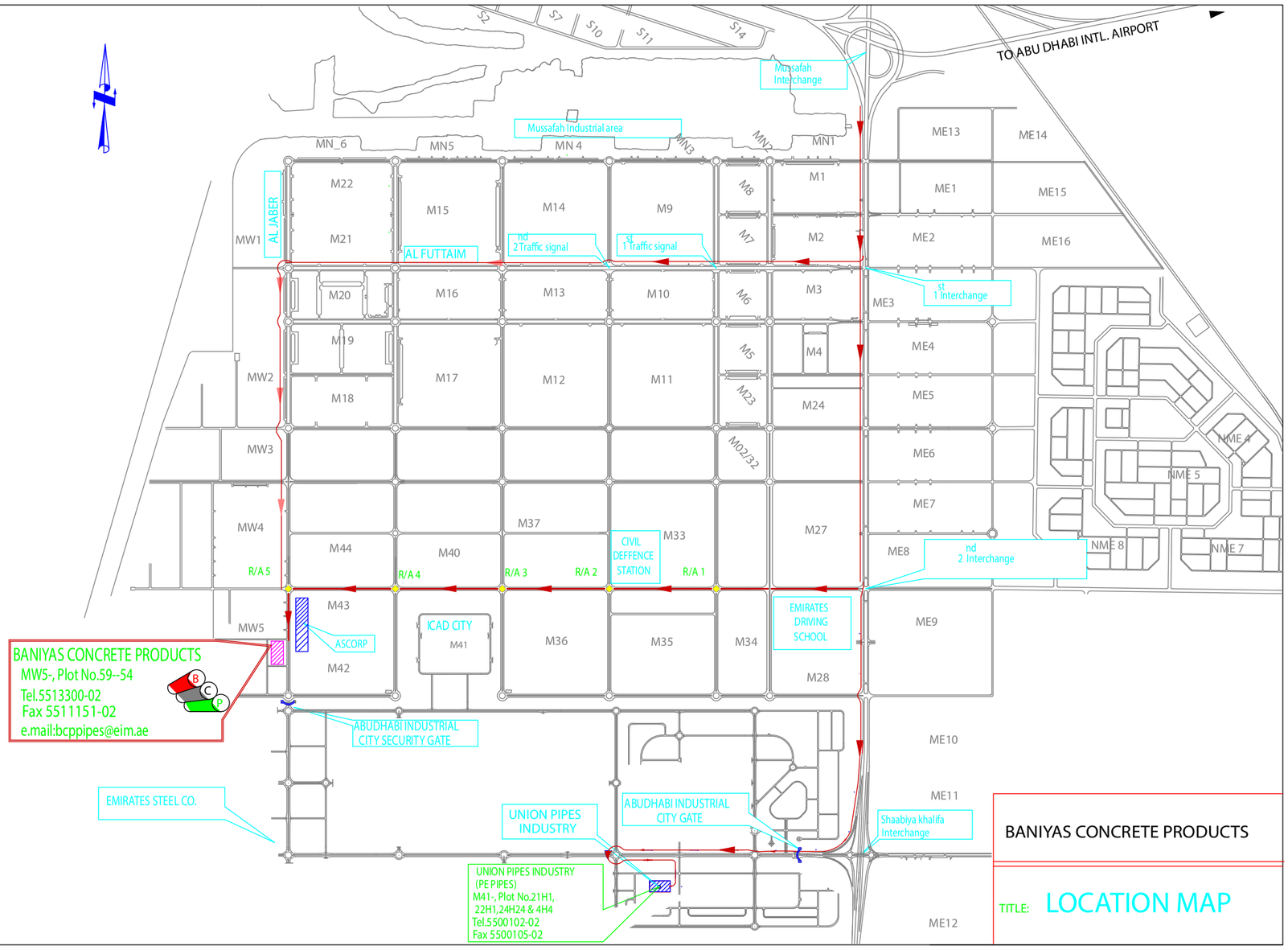
PROJECT REFERENCE LIST

SL. NO.	PROJECT DESCRIPTION	ELEMENT	CTRY.	CONTRACTOR	CLIENT	CONSULTANT	QTY (meter)	YEAR
75	CONTRACT NO: 5001	PIPES	UAE	NUROL	ADM	DELEW CATHER	1,200	2008
76	RECONSTRUCTION OF ALMAFRAQ BRIDGE	PIPES	UAE	AL JABER EST	PGD	PARSONS INT'L LTD.	2,464	2008
77	NAJMAT ABU DHABI REEM ISLAND	PIPES	UAE	NPC	PGD	HYDER CONSULT	1,800	2008
78	PGD 482	PRECAST	UAE	GCC	PGD	DORSCH CONSULT	40	2008
79	PGD 484/2	PRECAST	UAE	GCC	PGD	DORSCH CONSULT	204	2008
80	ADSS 147/10 SEWERAGE & STORMWATER PROJECT FOR MUSSAFAH	PIPES	UAE	ARAB CONTRACTORS	SPC	Acer John Taylor & Sons	9,786	2002
81	ADSS 802 SEWERAGE & STORMWATER PROJECT FOR MUSSAFAH EAST EXTENSION PHASE VI	PIPES	UAE	PACT GENERAL CONTRACTING	SPC	ACE INT,L	12,260	2002
82	ADSS 408/1&2 SURFACE WATER DRAINAGE FROM MAFRAQ TO AL WATHBA PALACE CROSSING	PIPES	UAE	AL JABER EST	SPC	DORSCH CONSULT	1,680	2001
83	ADSS 428 SEWERAGE & STORMWATER PROJECT FOR EAST BANIYAS EB-6&EB-11 (PHASE-1)	PIPES	UAE	IEEC	SPC	DORSCH CONSULT	2,525	2001
84	ADSS 441 SEA - OUTFALL AT RAHBAH BEACH	PIPES	UAE	IEEC	SPC	DORSCH CONSULT	2,630	2000
85	ADSS 805 SEA-MUSSAFH EAST MASTER PLAN	PIPES	UAE	IEEC	SPC	ACE INT,L	9,230	2000
86	ADSS 311 SEWERAGE & STORMWATER PROJECT FOR WESTERN REGION OF MARFA	PIPES	UAE	PACT GENERAL CONTRACTING	SPC	KEO/M&E	6,898	2000
87	ADSS 441 Sea - OUTFALL FOR SHAHAMA RAHBAH SURFACE DRAINAGE SECOND STAGE	PIPES	UAE	RECCHI EMIRATES	SPC	PARSONS INT'L LTD.	10,028	1999
88	ADSS 441 SEA-OUTFALL FOR SHAHAMA RAHBAH SURFACE DRAINAGE FIRST STAGE	PIPES	UAE	PACT GENERAL CONTRACTING	SPC	PARSONS INT'L LTD.	7,500	1999
89	ADSS 801 SEWERAGE & STORMWATER PROJECT FOR MUSSAFH EAST EXTENSION-PHASE V	PIPES	UAE	GULF CONTRACTORS CO.	SPC	ACE INT,L	12,770	1999
90	ADSS 966 - BRIDGE FOR INTERCHANGE AT IP 69	PIPES	UAE	SAINRAPT CONTRACTING	Town Planning Dep.	DE LEUW Cather Int'l	745	1999
91	ADPS (P-167)	PIPES	UAE	ACTCO	ADWEA	LAHMEYER INT'L GMBH	250	1999
92	ADSS 430 SEWERAGE & STORMWATER PROJCET FOR NEW MUSSFAH EAST PAHSE III	PIPES	UAE	PACT GENERAL CONTRACTING	SPC	DORSCH CONSULT	8,690	1999
93	ADSS 506/1	PIPES	UAE	ADMAC	SPC	PARSONS INT'L LTD.	573	1998
94	148/6-503 MUSSAFAH 503 RAHA BEACH - JACKING PIPE	PIPES	UAE	G.T.C	SPC	ACER JOHN TAYLOR & SONS	2,668	1998
95	ADSS 503 SHAHAMA & RAHA BEACH	PIPES	UAE	GULF CONTRACTORS CO.	SPC	PARSONS INT'L LTD.	3,629	1998
96	ADSS 503 MUSSAFAH	PIPES	UAE	GULF CONTRACTORS CO.	SPC	ACER JOHN TAYLOR & SONS	2,091	1997
97	ADSS 212/B KHALIFA CITY "B"	PIPES	UAE	GULF CONTRACTORS CO.	SPC	ACER JOHN TAYLOR & SONS	8,778	1997
98	ADSS 148/6 MUSSAFAH SURFACE EAST PHASE III	PIPES	UAE	GULF CONTRACTORS CO.	SPC	ACER JOHN TAYLOR & SONS	7,808	1997


AL FANAN
GENERAL TRANSPORT EST.
TADANO




BANIYAS


TO ABU DHABI INTL. AIRPORT
Mussafah Interchange
Mussafah Industrial area
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st 1 Interchange
nd 2 Interchange
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R/A 4
R/A 3
R/A 2
R/A 1
CIVIL DEFFENCE STATION
ICAD CITY
ASCORP
EMIRATES DRIVING SCHOOL
ABUDHABI INDUSTRIAL CITY SECURITY GATE
ABUDHABI INDUSTRIAL CITY GATE
Shaabiya khalifa Interchange
EMIRATES STEEL CO.
UNION PIPES INDUSTRY
UNION PIPES INDUSTRY
(PE PIPES)
M41-, Plot No.21H1,
22H1,24H24 & 4H4
Tel.5500102-02
Fax 5500105-02
BANIYAS CONCRETE PRODUCTS
MW5-, Plot No.59--54
Tel.5513300-02
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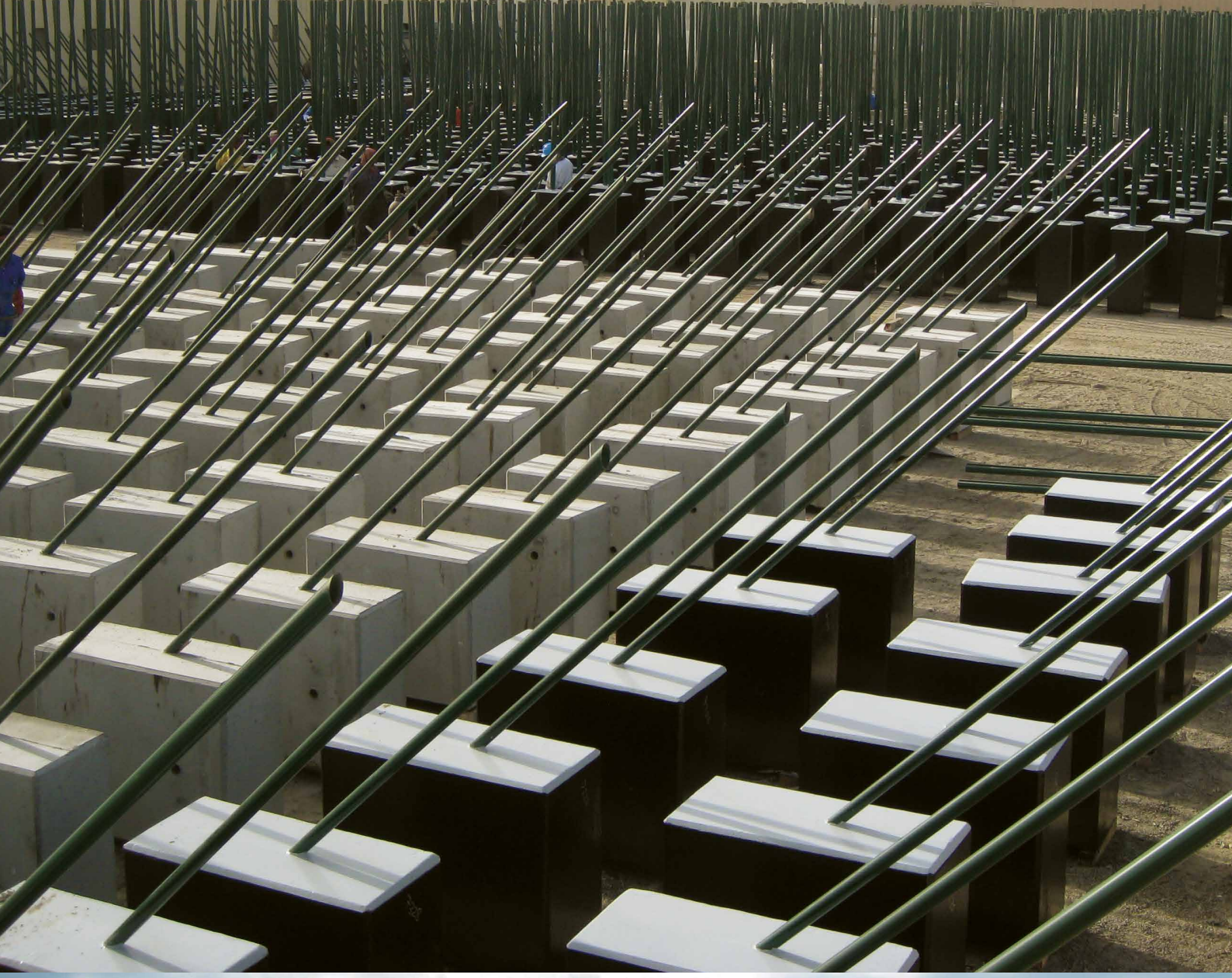
BANIYAS CONCRETE PRODUCTS
TITLE: LOCATION MAP



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