



STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

Ref: CED/TFL/05/34920

Dated: 20-05-2020

Dated of Test: 03-06-2020

To
Project Manager
Aujla & Associates
Royal Palm City Housing Scheme Gujranwala

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76 - 08a] (Page # 1/8)**

Reference to your letter No. Nil, dated 19.05.2020 on the subject cited above. One R.C.C. Pipe as received by us has been tested. The results are tabulated as under.

Sr. No	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(foot)	(foot)	(foot)	(foot)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	9	7.82	7.29	1.05	0.75	1.84	17000	21400	6884.82	8666.77

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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Subject: TESTING OF R.C.C. PIPE [ASTM-C76 - 08a] (Page # 2/8)

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Sr. No	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(foot)	(foot)	(foot)	(foot)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	12	7.79	7.35	1.33	0.96	2.17	13500	18300	4201.52	5695.40

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	(inch)	(foot)	(foot)	(foot)	(foot)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	15	7.81	7.27	1.63	1.21	2.49	22000	25000	5504.47	6255.08

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	(inch)	(foot)	(foot)	(foot)	(foot)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	18	7.72	7.32	1.91	1.48	2.55	16000	24500	3253.59	4982.06

I/C Testing Laboratoires
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Subject: TESTING OF R.C.C. PIPE [ASTM-C76 - 08a] (Page # 5/8)

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Sr. No	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(foot)	(foot)	(foot)	(foot)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	21	7.72	7.14	2.19	1.66	3.17	18530	35030	3443.02	6508.85

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	(inch)	(foot)	(foot)	(foot)	(foot)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	24	7.71	7.12	2.51	2.00	3.08	17560	27270	2722.03	4227.20

I/C Testing Laboratoires
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	(inch)	(foot)	(foot)	(foot)	(foot)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	30	8.00	7.72	3.06	2.44	3.77	15620	26300	1829.97	3081.19

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	(inch)	(foot)	(foot)	(foot)	(foot)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	36	7.95	7.66	3.67	3.00	4.04	35020	44740	3358.38	4290.51

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