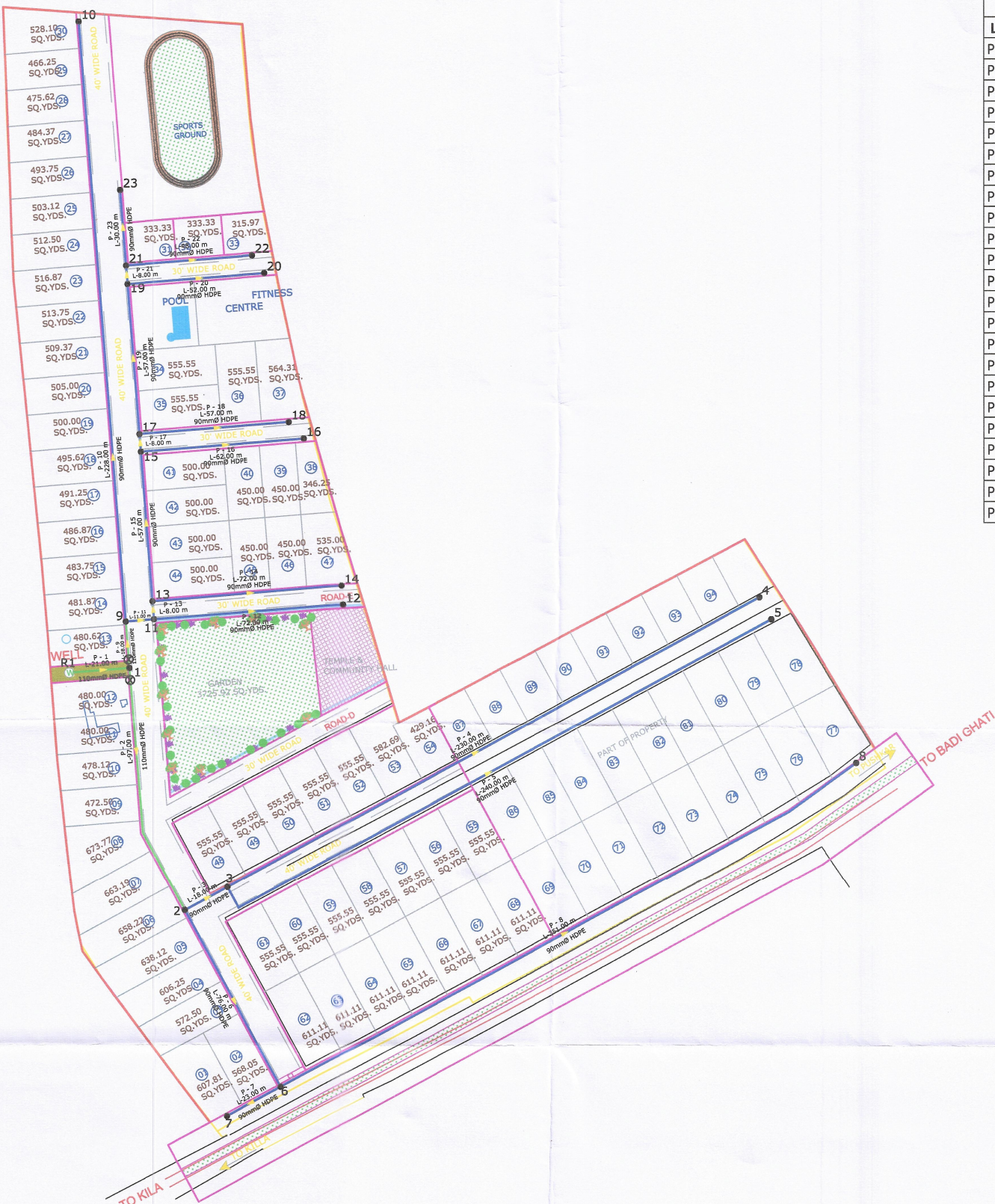




Network Table - Links						
Link ID	Node From	Node To	Length m	Diameter mm	Flow LPS	Unit Headloss m/km
Pipe P1	R1	1	21	110	6.31	7.78
Pipe P2	1	2	97	110	3.29	2.33
Pipe P3	2	3	18	90	1.73	1.88
Pipe P4	3	4	230	90	0.81	0.46
Pipe P5	3	5	240	90	0.86	0.52
Pipe P6	2	6	76	90	1.19	0.94
Pipe P7	6	7	23	90	0.11	0.01
Pipe P8	6	8	251	90	0.86	0.52
Pipe P9	1	9	18	110	3.02	1.98
Pipe P10	9	10	228	90	0.91	0.57
Pipe P11	9	11	11	90	2.05	2.58
Pipe P12	11	12	72	90	0.54	0.22
Pipe P13	11	13	8	90	1.51	1.47
Pipe P14	13	14	72	90	0.22	0.04
Pipe P15	13	15	57	90	1.3	1.1
Pipe P16	15	16	62	90	0.16	0.02
Pipe P17	15	17	8	90	0.92	0.58
Pipe P18	17	18	57	90	0.16	0.02
Pipe P19	17	19	57	90	0.76	0.41
Pipe P20	19	20	52	90	0.22	0.04
Pipe P21	19	21	8	90	0.38	0.11
Pipe P22	21	22	48	90	0.16	0.02
Pipe P23	21	23	30	90	0.22	0.04

Network Table - Nodes				
Node ID	Elevation m	Demand LPS	Head m	Pressure m
Junc J1	95.94	0	109.84	13.9
Junc J2	97.35	0.063	109.61	12.26
Junc J3	97.42	0.009	109.58	12.16
Junc J4	96.49	0.135	109.47	12.98
Junc J5	96.56	0.144	109.45	12.89
Junc J6	99.58	0.036	109.54	9.96
Junc J7	99.6	0.018	109.54	9.94
Junc J8	97.68	0.144	109.41	11.73
Junc J9	94.57	0.009	109.8	15.23
Junc J10	90.2	0.152	109.67	19.47
Junc J11	94.39	0	109.77	15.38
Junc J12	94.33	0.09	109.76	15.43
Junc J13	93.95	0	109.76	15.81
Junc J14	94.18	0.036	109.76	15.58
Junc J15	92.75	0.036	109.7	16.95
Junc J16	93.04	0.027	109.7	16.66
Junc J17	92.1	0	109.69	17.59
Junc J18	93.311	0.027	109.69	16.38
Junc J19	91.18	0.027	109.67	18.49
Junc J20	91.79	0.036	109.67	17.88
Junc J21	90.92	0	109.67	18.75
Junc J22	92.1	0.027	109.67	17.57
Junc J23	90.71	0.036	109.67	18.96
Resvr R1	95	1.052	110	15

- NOTES:
1. HDPE PE80/100, Confirming to IS 4984:2016 or latest shall be used.
 2. Pipe line shall be tested min. 1.5 times of working pressure or 6kg/Sqm Whichever is higher.
 3. Depth of trench shall be min. 75 cms from ground level.
 4. Pressure control valve (PCV) shall be used near source.
 5. Portability of water shall be fully insured, if treatment is needed, facility Shall be insured.
 6. Suitable capacity submersible pump shall be installed at well to insure average 1.5kg/sqcm pressure in pipe line.

PIPE LEGEND		QTY.
110mm Ø HDPE PIPE	—	136 Mtr.
90mm Ø HDPE PIPE	—	1608 Mtr.
110 X 90mm Ø TEE	⊥	03 Nos.
90 X 90mm Ø TEE	⊥	08 Nos.
110 X 90mm Ø REDUCER	—	02 Nos.
22.5* X 110mm Ø BEND	⌋	01 Nos.
90* X 90mm Ø BEND	⌋	01 Nos.
90mm Ø END CAP	●	12 Nos.
FLOW DIRECTION	→	-----
NODE / NODE No.	● /3	23 Nos.
100 MM SLUICE VALVE	⊗	2 Nos.

Dr. Rajesh Purohit
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Chartered Engineer

Bansal Engineers & Contractors
Ajmer

PROJECT :	DEVELOPMENT OF FARM HOUSE PROJECT "ANUTHAM 94" AT KILA ROAD, BADI GHATI, PUSHKAR
DEVELOPER :	KEWALRAMANI ESTATES PVT. LTD, AJMER, RAJASTHAN
TITLE :	POTABLE WATER SUPPLY NETWORK
CONSULTANT :	BANSAL ENGINEERS & CONTRACTORS 7, ADARSH NAGAR, NASIRABAD ROAD, AJMER Mo. : 9928076534, (E-MAIL :- sbansal329@gmail.com)
JOB No.:	SCALE