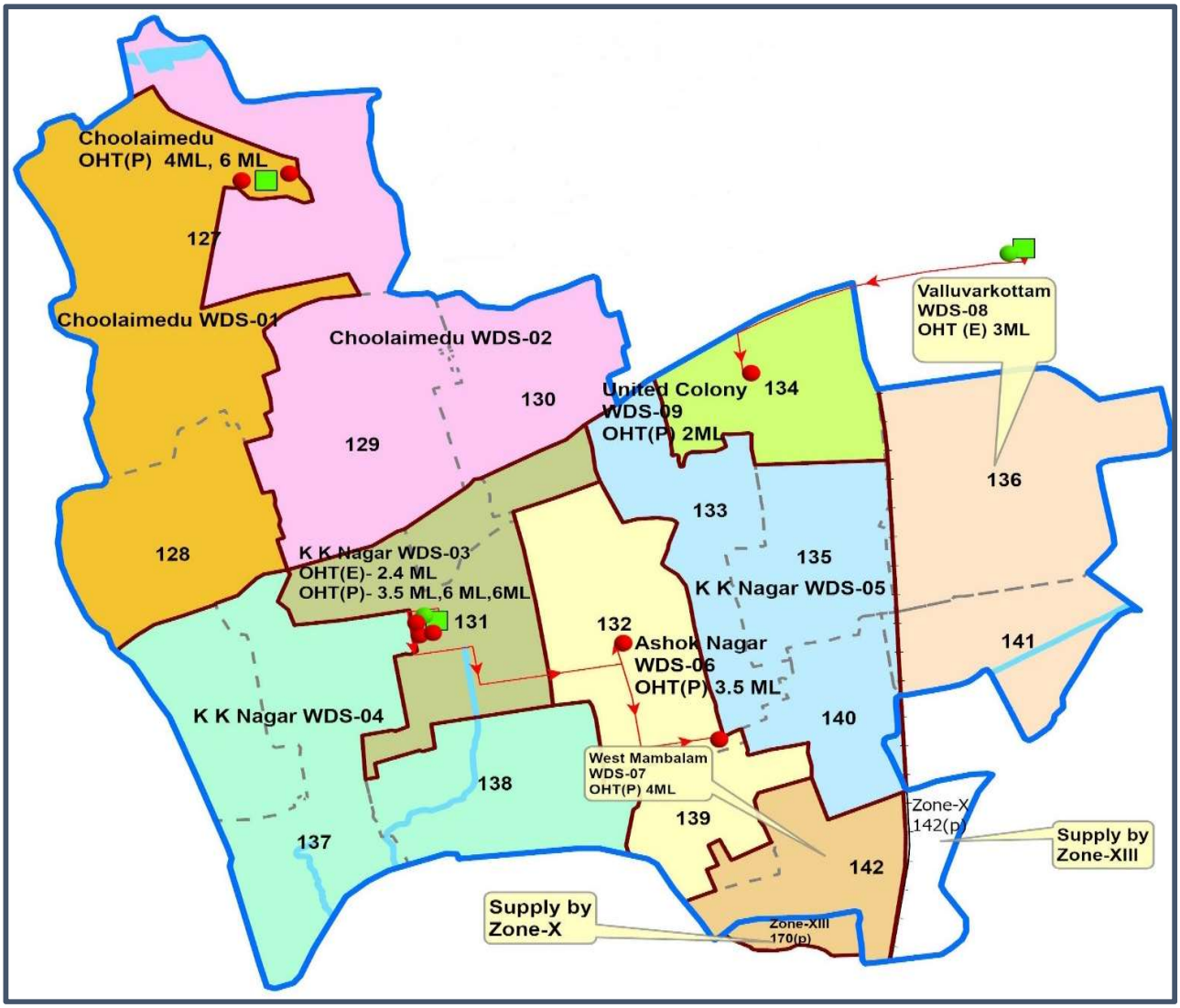
CHENNAI METROPOLITAN WATER SUPPLY & SEWERAGE BOARD
(CMWSSB)

JICA Assisted "Project For Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant At Perur And Allied Works (JICA Loan Id-P267)

Contract No. : CNT/ CON/DESAL /ICB/GoI/016/2018-19

DRAFT DETAILED DESIGN REPORT FOR AREA X

(Package CP4: Improvement of the Existing Water Distribution Networks- Chennai Core City)
[Volume 3 of 4]- Design Outputs



SMEC International Pty. Ltd.
in consortium with:
NJS Engineers India Private Limited,
Tata Consulting Engineers Limited,
SMEC (India) Private Limited.

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PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1	J-19	J-20	5	CI/R/DI	100	140	0.08	0.12	0.20
P-2	J-21	J-22	8	CI/R/DI	100	140	-0.38	0.55	3.70
P-3	J-23	J-24	7	CI/R/DI	100	140	0.10	0.15	0.30
P-4	J-26	J-27	23	CI/R/DI	100	140	0.01	0.01	0.00
P-5	J-28	J-29	8	CI/R/DI	100	140	0.01	0.01	0.00
P-6	J-31	J-32	7	CI/R/DI	100	140	-0.34	0.51	3.20
P-7	J-36	J-37	8	CI/R/DI	100	140	0.32	0.47	2.80
P-8	J-39	J-40	9	CI/R/DI	100	140	-0.11	0.16	0.40
P-9	J-32	J-45	11	CI/R/DI	100	140	-0.25	0.37	1.70
P-10	J-46	J-47	11	DI/E	100	130	-0.44	0.65	5.70
P-11	J-48	J-49	11	CI/R/DI	100	140	0.01	0.02	0.00
P-12	J-50	J-51	14	CI/R/DI	150	140	-0.73	0.48	1.80
P-13	J-53	J-54	10	CI/R/DI	100	140	-0.01	0.02	0.00
P-14	J-57	J-58	12	CI/R/DI	100	140	0.20	0.30	1.20
P-15	J-59	J-60	12	CI/R/DI	100	140	0.01	0.01	0.00
P-16	J-61	J-62	12	CI/R/DI	100	140	0.05	0.08	0.10
P-17	J-63	J-53	12	CI/R/DI	100	140	0.16	0.23	0.70
P-18	J-66	J-67	13	CI/R/DI	100	140	0.01	0.01	0.00
P-19	J-69	J-70	13	CI/R/DI	100	140	0.53	0.78	6.90
P-20	J-71	J-72	13	CI/R/DI	100	140	-0.19	0.27	1.00
P-21	J-74	J-75	13	DI/E	100	130	-0.27	0.40	2.30
P-22	J-76	J-77	14	CI/R/DI	100	140	-0.03	0.04	0.00
P-23	J-78	J-79	14	CI/R/DI	100	140	0.09	0.13	0.30
P-24	J-80	J-81	16	CI/R/DI	100	140	0.22	0.33	1.40
P-25	J-82	J-83	14	CI/R/DI	100	140	-0.01	0.01	0.00
P-26	J-84	J-85	15	CI/R/DI	100	140	0.55	0.82	7.50
P-27	J-87	J-88	15	CI/R/DI	100	140	0.05	0.07	0.10
P-28	J-90	J-91	15	CI/R/DI	100	140	0.19	0.28	1.00
P-29	J-92	J-93	15	CI/R/DI	100	140	-0.14	0.21	0.60
P-30	J-94	J-95	16	CI/R/DI	100	140	-0.22	0.32	1.30
P-31	J-97	J-98	17	CI/R/DI	100	140	0.00	0.01	0.00
P-32	J-99	J-100	17	CI/R/DI	100	140	0.06	0.09	0.10
P-33	J-101	J-102	18	CI/R/DI	100	140	-0.34	0.51	3.10
P-34	J-104	J-105	18	CI/R/DI	100	140	0.00	0.00	0.00
P-35	J-106	J-107	19	CI/R/DI	100	140	0.00	0.00	0.00
P-36	J-109	J-10	22	CI/R/DI	100	140	-0.28	0.41	2.10
P-37	J-106	J-99	20	CI/R/DI	100	140	0.06	0.09	0.10
P-38	J-115	J-116	20	CI/R/DI	100	140	0.19	0.29	1.10
P-39	J-118	J-106	20	CI/R/DI	100	140	0.00	0.01	0.00
P-40	J-120	J-121	24	CI/R/DI	100	140	0.00	0.01	0.00
P-41	J-122	J-123	20	CI/R/DI	100	140	0.26	0.39	1.90
P-42	J-124	J-125	21	CI/R/DI	100	140	-0.15	0.23	0.70
P-43	J-126	J-127	23	CI/R/DI	100	140	0.17	0.25	0.80
P-44	J-128	J-129	21	CI/R/DI	100	140	0.00	0.00	0.00
P-45	J-131	J-132	21	CI/R/DI	100	140	0.00	0.01	0.00
P-46	J-79	J-133	22	CI/R/DI	100	140	0.07	0.10	0.20
P-47	J-134	J-135	21	CI/R/DI	100	140	-0.28	0.41	2.10

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-48	J-136	J-137	21	CI/R/DI	100	140	0.01	0.01	0.00
P-49	J-138	J-139	23	CI/R/DI	100	140	0.07	0.11	0.20
P-50	J-140	J-141	22	CI/R/DI	100	140	0.00	0.01	0.00
P-51	J-142	J-143	22	CI/R/DI	100	140	0.00	0.01	0.00
P-52	J-144	J-145	22	CI/R/DI	100	140	-0.01	0.01	0.00
P-53	J-146	J-147	22	DI/E	100	130	-0.25	0.36	1.90
P-54	J-148	J-149	21	CI/R/DI	100	140	-0.35	0.51	3.10
P-55	J-150	J-80	19	CI/R/DI	100	140	-0.01	0.01	0.00
P-56	J-151	J-152	20	CI/R/DI	100	140	0.00	0.01	0.00
P-57	J-153	J-154	22	CI/R/DI	100	140	-0.15	0.22	0.70
P-58	J-155	J-156	22	CI/R/DI	100	140	0.24	0.35	1.50
P-59	J-157	J-158	54	CI/R/DI	100	140	0.02	0.02	0.00
P-60	J-159	J-155	23	CI/R/DI	100	140	0.30	0.45	2.40
P-61	J-160	J-57	22	CI/R/DI	100	140	0.29	0.42	2.20
P-62	J-163	J-138	21	CI/R/DI	100	140	-0.10	0.15	0.30
P-63	J-164	J-94	23	CI/R/DI	100	140	-0.15	0.22	0.70
P-64	J-129	J-165	23	CI/R/DI	100	140	-0.01	0.01	0.00
P-65	J-166	J-167	24	CI/R/DI	100	140	0.05	0.07	0.10
P-66	J-165	J-168	24	CI/R/DI	100	140	0.02	0.04	0.00
P-67	J-29	J-148	24	CI/R/DI	100	140	-0.30	0.45	2.40
P-68	J-171	J-46	25	DI/E	100	130	-0.43	0.64	5.30
P-69	J-173	J-174	24	CI/R/DI	100	140	-0.01	0.01	0.00
P-70	J-175	J-176	24	CI/R/DI	100	140	0.38	0.56	3.70
P-71	J-178	J-34	26	DI/E	100	130	0.02	0.03	0.00
P-72	J-179	J-180	25	CI/R/DI	100	140	0.01	0.01	0.00
P-73	J-181	J-182	25	CI/R/DI	100	140	0.03	0.04	0.00
P-74	J-183	J-63	25	CI/R/DI	100	140	0.34	0.50	3.00
P-75	J-100	J-97	25	CI/R/DI	100	140	0.02	0.04	0.00
P-76	J-116	J-184	25	CI/R/DI	100	140	0.10	0.15	0.30
P-77	J-185	J-186	25	CI/R/DI	100	140	-0.01	0.01	0.00
P-78	J-187	J-188	27	CI/R/DI	100	140	0.41	0.61	4.30
P-79	J-189	J-190	24	CI/R/DI	100	140	-0.49	0.72	5.90
P-80	J-191	J-22	28	CI/R/DI	100	140	-0.01	0.01	0.00
P-81	J-192	J-193	25	CI/R/DI	100	140	0.01	0.01	0.00
P-82	J-194	J-195	23	CI/R/DI	100	140	-0.42	0.62	4.50
P-83	J-196	J-197	26	CI/R/DI	100	140	0.08	0.12	0.20
P-84	J-198	J-3	27	CI/R/DI	100	140	0.31	0.46	2.50
P-85	J-199	J-200	29	CI/R/DI	100	140	0.01	0.02	0.00
P-86	J-201	J-7	27	CI/R/DI	100	140	0.10	0.15	0.30
P-87	J-3	J-201	26	CI/R/DI	100	140	0.30	0.44	2.40
P-88	J-154	J-202	26	CI/R/DI	100	140	-0.20	0.30	1.10
P-89	J-203	J-204	26	DI/E	100	130	0.20	0.30	1.30
P-90	J-83	J-161	26	CI/R/DI	100	140	-0.06	0.09	0.10
P-91	J-205	J-206	27	CI/R/DI	100	140	0.01	0.01	0.00
P-92	J-207	J-12	28	CI/R/DI	100	140	-0.01	0.01	0.00
P-93	J-208	J-209	27	CI/R/DI	100	140	-0.01	0.02	0.00
P-94	J-58	J-210	24	CI/R/DI	100	140	0.14	0.21	0.60

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-95	J-81	J-28	25	CI/R/DI	100	140	0.09	0.13	0.20
P-96	J-212	J-12	27	CI/R/DI	100	140	0.16	0.23	0.70
P-97	J-213	J-12	28	CI/R/DI	100	140	-0.01	0.01	0.00
P-98	J-199	J-214	27	CI/R/DI	100	140	-0.19	0.28	1.00
P-99	J-215	J-216	28	CI/R/DI	100	140	-0.01	0.01	0.00
P-100	J-18	J-124	30	CI/R/DI	100	140	-0.02	0.02	0.00
P-101	J-149	J-217	29	CI/R/DI	100	140	-0.26	0.38	1.80
P-102	J-168	J-218	29	CI/R/DI	100	140	-0.01	0.02	0.00
P-103	J-219	J-220	28	CI/R/DI	100	140	-0.11	0.17	0.40
P-104	J-221	J-198	28	CI/R/DI	100	140	0.25	0.37	1.70
P-105	J-222	J-187	27	CI/R/DI	100	140	-0.54	0.79	7.00
P-106	J-167	J-223	29	CI/R/DI	100	140	0.06	0.09	0.10
P-107	J-10	J-225	25	CI/R/DI	100	140	-0.08	0.12	0.20
P-108	J-226	J-227	29	CI/R/DI	100	140	0.16	0.23	0.70
P-109	J-228	J-229	29	DI/E	100	130	-0.10	0.15	0.40
P-110	J-230	J-231	20	DI/E	100	130	-0.01	0.01	0.00
P-111	J-232	J-84	28	CI/R/DI	100	140	0.54	0.80	7.20
P-112	J-233	J-234	32	CI/R/DI	100	140	0.19	0.28	1.00
P-113	J-45	J-199	30	CI/R/DI	100	140	-0.30	0.44	2.40
P-114	J-236	J-237	30	CI/R/DI	100	140	0.01	0.01	0.00
P-115	J-217	J-31	30	CI/R/DI	100	140	-0.30	0.44	2.30
P-116	J-214	J-238	28	CI/R/DI	100	140	-0.10	0.15	0.30
P-117	J-239	J-240	30	CI/R/DI	100	140	0.01	0.01	0.00
P-118	J-242	J-11	32	CI/R/DI	100	140	-0.33	0.49	2.90
P-119	J-234	J-196	31	CI/R/DI	100	140	-0.02	0.04	0.00
P-120	J-243	J-183	31	CI/R/DI	100	140	-0.48	0.71	5.70
P-121	J-244	J-245	31	CI/R/DI	100	140	0.01	0.01	0.00
P-122	J-246	J-175	32	CI/R/DI	100	140	-0.03	0.04	0.00
P-123	J-247	J-59	31	CI/R/DI	100	140	-0.01	0.02	0.00
P-124	J-12	J-248	33	CI/R/DI	100	140	0.13	0.19	0.50
P-125	J-190	J-252	32	CI/R/DI	100	140	0.14	0.20	0.50
P-126	J-176	J-221	32	CI/R/DI	100	140	0.32	0.46	2.60
P-127	J-253	J-254	35	CI/R/DI	100	140	-0.01	0.02	0.00
P-128	J-255	J-256	26	CI/R/DI	100	140	-0.01	0.01	0.00
P-129	J-257	J-258	32	CI/R/DI	100	140	0.01	0.02	0.00
P-130	J-259	J-260	32	CI/R/DI	100	140	-0.01	0.02	0.00
P-131	J-261	J-48	33	CI/R/DI	100	140	0.33	0.48	2.80
P-132	J-38	J-89	33	CI/R/DI	100	140	-0.26	0.39	1.90
P-133	J-262	J-18	36	CI/R/DI	100	140	-0.06	0.08	0.10
P-134	J-265	J-266	33	CI/R/DI	100	140	-0.41	0.61	4.30
P-135	J-267	J-226	33	CI/R/DI	100	140	0.13	0.19	0.50
P-136	J-70	J-268	33	CI/R/DI	100	140	0.45	0.67	5.10
P-137	J-269	J-267	33	CI/R/DI	100	140	0.12	0.18	0.50
P-138	J-270	J-271	33	CI/R/DI	100	140	-0.01	0.02	0.00
P-139	J-62	J-272	33	CI/R/DI	100	140	-0.17	0.25	0.80
P-140	J-273	J-274	33	DI/E	100	130	0.01	0.02	0.00
P-141	J-6	J-187	34	CI/R/DI	100	140	0.15	0.22	0.60

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-142	J-279	J-280	33	DI/E	100	130	0.01	0.02	0.00
P-143	J-283	J-66	34	CI/R/DI	100	140	0.25	0.37	1.70
P-144	J-284	J-90	34	CI/R/DI	100	140	0.24	0.35	1.50
P-145	J-210	J-246	34	CI/R/DI	100	140	0.19	0.29	1.10
P-146	J-287	J-41	42	DI/E	100	130	-0.43	0.64	5.30
P-147	J-268	J-288	34	CI/R/DI	100	140	0.26	0.39	1.80
P-148	J-289	J-290	35	CI/R/DI	100	140	-0.38	0.56	3.60
P-149	J-291	J-292	33	CI/R/DI	100	140	-0.43	0.63	4.60
P-150	J-293	J-294	34	CI/R/DI	100	140	0.05	0.08	0.10
P-151	J-64	J-56	38	CI/R/DI	100	140	0.15	0.22	0.70
P-152	J-295	J-296	42	CI/R/DI	100	140	0.02	0.02	0.00
P-153	J-70	J-13	36	CI/R/DI	100	140	0.46	0.67	5.20
P-154	J-297	J-24	35	CI/R/DI	100	140	-0.05	0.07	0.10
P-155	J-6	J-235	34	CI/R/DI	100	140	-0.54	0.80	7.10
P-156	J-282	J-159	35	CI/R/DI	100	140	0.38	0.55	3.60
P-157	J-302	J-303	36	CI/R/DI	100	140	0.34	0.50	2.90
P-158	J-304	J-305	36	CI/R/DI	100	140	-0.01	0.02	0.00
P-159	J-306	J-307	36	CI/R/DI	100	140	0.18	0.26	0.90
P-160	J-92	J-284	36	CI/R/DI	100	140	0.13	0.19	0.50
P-161	J-8	J-233	39	CI/R/DI	100	140	0.06	0.09	0.10
P-162	J-171	J-269	36	CI/R/DI	100	140	0.12	0.18	0.40
P-163	J-309	J-310	37	CI/R/DI	100	140	0.10	0.15	0.30
P-164	J-311	J-181	40	CI/R/DI	100	140	0.16	0.23	0.70
P-165	J-10	J-55	40	CI/R/DI	100	140	-0.46	0.68	5.20
P-166	J-312	J-287	40	CI/R/DI	100	140	0.02	0.03	0.00
P-167	J-313	J-314	49	CI/R/DI	100	140	-0.02	0.03	0.00
P-168	J-132	J-315	37	CI/R/DI	100	140	0.01	0.01	0.00
P-169	J-318	J-319	37	CI/R/DI	100	140	-0.01	0.02	0.00
P-170	J-322	J-14	39	CI/R/DI	100	140	-0.02	0.02	0.00
P-171	J-139	J-323	37	CI/R/DI	100	140	0.01	0.01	0.00
P-172	J-11	J-324	37	CI/R/DI	100	140	0.01	0.02	0.00
P-173	J-13	J-325	39	CI/R/DI	100	140	0.21	0.32	1.30
P-174	J-55	J-744	47	CI/R/DI	100	140	-0.42	0.62	4.40
P-175	J-163	J-326	38	CI/R/DI	100	140	0.03	0.05	0.00
P-176	J-327	J-328	38	CI/R/DI	100	140	0.36	0.53	3.30
P-177	J-231	J-171	38	DI/E	100	130	-0.27	0.40	2.20
P-178	J-45	J-329	40	CI/R/DI	100	140	0.02	0.02	0.00
P-179	J-254	J-164	45	CI/R/DI	100	140	-0.09	0.13	0.20
P-180	J-271	J-330	38	CI/R/DI	100	140	0.17	0.25	0.80
P-181	J-331	J-292	38	CI/R/DI	100	140	0.13	0.18	0.50
P-182	J-298	J-119	38	CI/R/DI	100	140	-0.39	0.57	3.80
P-183	J-332	J-333	36	CI/R/DI	100	140	-0.04	0.06	0.10
P-184	J-197	J-334	39	CI/R/DI	100	140	-0.12	0.17	0.40
P-185	J-299	J-109	37	CI/R/DI	100	140	-0.40	0.59	4.00
P-186	J-188	J-289	37	CI/R/DI	100	140	0.03	0.04	0.00
P-187	J-335	J-163	39	CI/R/DI	100	140	-0.05	0.08	0.10
P-188	J-483	J-336	41	CI/R/DI	100	140	0.02	0.02	0.00

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Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-189	J-337	J-13	39	CI/R/DI	100	140	-0.02	0.02	0.00
P-190	J-209	J-338	39	CI/R/DI	100	140	0.09	0.13	0.30
P-191	J-7	J-339	39	CI/R/DI	100	140	0.02	0.02	0.00
P-192	J-340	J-341	39	CI/R/DI	100	140	0.26	0.38	1.80
P-193	J-342	J-343	39	CI/R/DI	100	140	0.12	0.18	0.40
P-194	J-344	J-327	51	CI/R/DI	100	140	-0.02	0.03	0.00
P-195	J-345	J-295	39	CI/R/DI	100	140	-0.02	0.02	0.00
P-196	J-346	J-347	39	CI/R/DI	100	140	-0.01	0.01	0.00
P-197	J-31	J-348	42	CI/R/DI	100	140	0.02	0.02	0.00
P-198	J-349	J-350	40	CI/R/DI	100	140	0.02	0.02	0.00
P-199	J-351	J-352	40	CI/R/DI	100	140	0.01	0.01	0.00
P-200	J-353	J-106	40	CI/R/DI	100	140	0.09	0.13	0.20
P-201	J-354	J-355	40	CI/R/DI	100	140	0.13	0.19	0.50
P-202	J-356	J-316	36	CI/R/DI	100	140	0.17	0.25	0.80
P-203	J-357	J-113	40	DI/E	100	130	-0.05	0.07	0.10
P-204	J-14	J-273	44	CI/R/DI	100	140	-0.45	0.66	5.00
P-205	J-128	J-358	40	CI/R/DI	100	140	0.01	0.01	0.00
P-206	J-359	J-319	41	CI/R/DI	100	140	-0.25	0.36	1.60
P-207	J-360	J-99	41	CI/R/DI	100	140	0.01	0.02	0.00
P-208	J-361	J-338	41	CI/R/DI	100	140	0.08	0.12	0.20
P-209	J-260	J-186	42	CI/R/DI	100	140	-0.04	0.06	0.10
P-210	J-314	J-179	42	CI/R/DI	100	140	-0.22	0.32	1.30
P-211	J-362	J-363	39	CI/R/DI	100	140	-0.36	0.53	3.40
P-212	J-179	J-257	42	CI/R/DI	100	140	-0.27	0.40	2.00
P-213	J-105	J-326	42	CI/R/DI	100	140	0.02	0.04	0.00
P-214	J-364	J-236	42	CI/R/DI	100	140	0.04	0.05	0.00
P-215	J-365	J-241	47	CI/R/DI	100	140	-0.26	0.39	1.80
P-216	J-366	J-367	42	CI/R/DI	100	140	-0.46	0.68	5.20
P-217	J-368	J-310	42	DI/E	100	130	0.04	0.06	0.10
P-218	J-156	J-69	42	CI/R/DI	100	140	0.48	0.70	5.60
P-219	J-202	J-369	42	CI/R/DI	100	140	0.01	0.01	0.00
P-220	J-93	J-370	42	CI/R/DI	100	140	-0.04	0.06	0.10
P-221	J-371	J-282	42	CI/R/DI	100	140	-0.02	0.02	0.00
P-222	J-372	J-373	44	CI/R/DI	100	140	0.27	0.40	1.90
P-223	J-11	J-314	44	CI/R/DI	100	140	-0.15	0.22	0.60
P-224	J-9	J-374	44	CI/R/DI	100	140	0.23	0.35	1.50
P-225	J-134	J-354	43	CI/R/DI	100	140	0.22	0.33	1.40
P-226	J-376	J-181	39	CI/R/DI	100	140	-0.11	0.16	0.40
P-227	J-377	J-270	43	CI/R/DI	100	140	-0.11	0.17	0.40
P-228	J-378	J-379	43	CI/R/DI	100	140	-0.01	0.02	0.00
P-229	J-115	J-380	43	CI/R/DI	100	140	-0.35	0.51	3.10
P-230	J-172	J-134	43	CI/R/DI	100	140	-0.02	0.02	0.00
P-231	J-357	J-293	43	DI/E	100	130	0.02	0.03	0.00
P-232	J-95	J-243	44	CI/R/DI	100	140	-0.29	0.43	2.20
P-233	J-347	J-351	44	CI/R/DI	100	140	-0.01	0.01	0.00
P-234	J-383	J-78	44	CI/R/DI	100	140	0.10	0.14	0.30
P-235	J-384	J-385	40	DI/E	100	130	-0.36	0.54	3.90

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-236	J-386	J-347	44	CI/R/DI	100	140	0.02	0.04	0.00
P-237	J-287	J-387	41	CI/R/DI	100	140	0.02	0.02	0.00
P-238	J-388	J-389	45	DI/E	100	130	-0.46	0.67	5.90
P-239	J-390	J-391	44	CI/R/DI	100	140	0.01	0.01	0.00
P-240	J-355	J-378	44	CI/R/DI	100	140	0.06	0.09	0.10
P-241	J-223	J-353	44	CI/R/DI	100	140	-0.03	0.05	0.00
P-242	J-392	J-377	44	CI/R/DI	100	140	-0.02	0.03	0.00
P-243	J-91	J-393	44	CI/R/DI	100	140	0.12	0.17	0.40
P-244	J-394	J-395	46	CI/R/DI	100	140	-0.27	0.40	2.00
P-245	J-396	J-359	45	DI/E	100	130	-0.02	0.03	0.00
P-246	J-397	J-309	45	CI/R/DI	100	140	0.13	0.20	0.50
P-247	J-398	J-399	44	CI/R/DI	100	140	-0.21	0.31	1.30
P-248	J-229	J-242	45	CI/R/DI	100	140	-0.23	0.34	1.50
P-249	J-395	J-342	43	CI/R/DI	100	140	0.20	0.29	1.10
P-250	J-401	J-402	45	CI/R/DI	100	140	0.01	0.01	0.00
P-251	J-403	J-122	45	CI/R/DI	100	140	0.39	0.57	3.80
P-252	J-404	J-405	45	CI/R/DI	100	140	-0.02	0.04	0.00
P-253	J-4	J-406	45	CI/R/DI	100	140	-0.16	0.24	0.80
P-254	J-407	J-408	46	CI/R/DI	100	140	-0.23	0.33	1.40
P-255	J-409	J-410	45	CI/R/DI	100	140	-0.39	0.57	3.80
P-256	J-319	J-249	45	CI/R/DI	100	140	-0.10	0.14	0.30
P-257	J-412	J-320	45	CI/R/DI	100	140	-0.09	0.13	0.30
P-258	J-379	J-349	45	CI/R/DI	100	140	-0.08	0.12	0.20
P-259	J-413	J-146	56	DI/E	100	130	-0.02	0.03	0.00
P-260	J-117	J-203	51	DI/E	100	130	0.28	0.42	2.40
P-261	J-414	J-5	45	CI/R/DI	100	140	-0.15	0.21	0.60
P-262	J-305	J-415	45	CI/R/DI	100	140	0.14	0.21	0.60
P-263	J-133	J-364	45	CI/R/DI	100	140	0.07	0.10	0.20
P-264	J-416	J-140	46	CI/R/DI	100	140	-0.10	0.15	0.30
P-265	J-154	J-418	46	CI/R/DI	100	140	0.03	0.05	0.00
P-266	J-186	J-330	46	CI/R/DI	100	140	-0.10	0.14	0.30
P-267	J-419	J-373	46	CI/R/DI	100	140	-0.25	0.36	1.60
P-268	J-54	J-110	42	CI/R/DI	100	140	-0.52	0.76	6.50
P-269	J-386	J-420	46	CI/R/DI	100	140	0.22	0.32	1.30
P-270	J-421	J-422	43	CI/R/DI	100	140	-0.04	0.06	0.10
P-271	J-415	J-423	47	CI/R/DI	100	140	0.36	0.52	3.20
P-272	J-424	J-425	46	CI/R/DI	100	140	0.17	0.25	0.80
P-273	J-426	J-427	47	CI/R/DI	100	140	-0.05	0.08	0.10
P-274	J-428	J-429	64	CI/R/DI	100	140	0.10	0.15	0.30
P-275	J-430	J-26	46	CI/R/DI	100	140	0.08	0.11	0.20
P-276	J-364	J-431	46	CI/R/DI	100	140	0.01	0.01	0.00
P-277	J-380	J-244	46	CI/R/DI	100	140	-0.19	0.28	1.00
P-278	J-432	J-74	47	DI/E	100	130	-0.19	0.28	1.10
P-279	J-37	J-433	46	CI/R/DI	100	140	0.50	0.74	6.10
P-280	J-434	J-435	46	CI/R/DI	100	140	0.03	0.04	0.00
P-281	J-436	J-437	46	CI/R/DI	100	140	-0.02	0.03	0.00
P-282	J-303	J-400	46	CI/R/DI	100	140	0.19	0.27	1.00

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-283	J-399	J-438	48	CI/R/DI	100	140	0.64	0.94	9.60
P-284	J-439	J-379	46	CI/R/DI	100	140	-0.02	0.03	0.00
P-285	J-440	J-367	46	CI/R/DI	100	140	-0.01	0.01	0.00
P-286	J-441	J-442	47	CI/R/DI	100	140	-0.29	0.42	2.20
P-287	J-177	J-443	47	CI/R/DI	100	140	-0.26	0.38	1.80
P-288	J-389	J-276	46	DI/E	100	130	-0.43	0.63	5.20
P-289	J-182	J-444	50	CI/R/DI	100	140	-0.08	0.12	0.20
P-290	J-445	J-236	47	CI/R/DI	100	140	-0.01	0.01	0.00
P-291	J-429	J-261	47	CI/R/DI	100	140	0.20	0.30	1.10
P-292	J-446	J-327	47	CI/R/DI	100	140	0.43	0.63	4.60
P-293	J-447	J-123	47	CI/R/DI	100	140	0.03	0.05	0.00
P-294	J-448	J-111	44	CI/R/DI	100	140	-0.15	0.22	0.60
P-295	J-5	J-452	49	CI/R/DI	100	140	-0.47	0.69	5.40
P-296	J-382	J-14	47	CI/R/DI	100	140	-0.28	0.41	2.10
P-297	J-382	J-453	47	CI/R/DI	100	140	0.02	0.03	0.00
P-298	J-454	J-455	47	CI/R/DI	100	140	0.16	0.23	0.70
P-299	J-105	J-139	47	CI/R/DI	100	140	-0.05	0.07	0.10
P-300	J-295	J-101	48	CI/R/DI	100	140	-0.08	0.12	0.20
P-301	J-319	J-456	48	CI/R/DI	100	140	-0.23	0.34	1.50
P-302	J-458	J-366	48	CI/R/DI	100	140	-0.26	0.38	1.80
P-303	J-393	J-112	48	CI/R/DI	100	140	0.12	0.17	0.40
P-304	J-41	J-300	121	DI/E	100	130	-0.37	0.54	4.00
P-305	J-459	J-260	48	CI/R/DI	100	140	0.02	0.03	0.00
P-306	J-162	J-349	48	CI/R/DI	100	140	0.15	0.22	0.70
P-307	J-460	J-376	48	CI/R/DI	100	140	-0.05	0.07	0.10
P-308	J-428	J-461	48	CI/R/DI	100	140	-0.50	0.73	6.10
P-309	J-276	J-287	49	DI/E	100	130	-0.37	0.55	4.00
P-310	J-462	J-21	47	CI/R/DI	100	140	-0.26	0.38	1.80
P-311	J-463	J-380	48	CI/R/DI	100	140	-0.11	0.15	0.30
P-312	J-49	J-317	48	CI/R/DI	100	140	0.22	0.32	1.30
P-313	J-464	J-19	48	DI/E	100	130	0.18	0.27	1.10
P-314	J-457	J-288	45	CI/R/DI	100	140	-0.17	0.25	0.80
P-315	J-444	J-454	49	CI/R/DI	100	140	0.07	0.10	0.20
P-316	J-438	J-466	48	CI/R/DI	100	140	0.48	0.71	5.70
P-317	J-326	J-335	62	CI/R/DI	100	140	0.03	0.05	0.00
P-318	J-378	J-468	49	CI/R/DI	100	140	0.02	0.03	0.00
P-319	J-469	J-470	49	CI/R/DI	100	140	0.18	0.26	0.90
P-320	J-373	J-471	49	CI/R/DI	100	140	0.00	0.00	0.00
P-321	J-472	J-473	49	CI/R/DI	100	140	0.01	0.02	0.00
P-322	J-474	J-355	49	CI/R/DI	100	140	-0.02	0.03	0.00
P-323	J-475	J-476	16	CI/R/DI	100	140	0.00	0.00	0.00
P-324	J-477	J-478	49	CI/R/DI	100	140	0.20	0.30	1.10
P-325	J-283	J-356	49	CI/R/DI	100	140	-0.34	0.50	3.00
P-326	J-479	J-381	49	CI/R/DI	100	140	0.19	0.27	1.00
P-327	J-97	J-480	46	CI/R/DI	100	140	0.00	0.01	0.00
P-328	J-218	J-205	58	CI/R/DI	100	140	-0.17	0.25	0.80
P-329	J-481	J-432	44	CI/R/DI	100	140	-0.02	0.03	0.00

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-330	J-175	J-482	50	CI/R/DI	100	140	0.02	0.03	0.00
P-331	J-425	J-483	53	CI/R/DI	100	140	0.05	0.08	0.10
P-332	J-484	J-469	50	CI/R/DI	100	140	0.18	0.27	0.90
P-333	J-422	J-182	47	CI/R/DI	100	140	-0.09	0.13	0.30
P-334	J-9	J-485	48	CI/R/DI	100	140	0.01	0.01	0.00
P-335	J-486	J-487	50	CI/R/DI	100	140	-0.03	0.04	0.00
P-336	J-487	J-489	50	CI/R/DI	100	140	0.03	0.04	0.00
P-337	J-312	J-277	50	CI/R/DI	100	140	0.22	0.32	1.30
P-338	J-490	J-157	47	CI/R/DI	100	140	0.07	0.10	0.10
P-339	J-249	J-441	50	CI/R/DI	100	140	-0.17	0.25	0.80
P-340	J-55	J-225	61	DI/E	100	130	0.33	0.49	3.30
P-341	J-491	J-486	50	CI/R/DI	100	140	-0.11	0.16	0.40
P-342	J-26	J-492	50	CI/R/DI	100	140	0.02	0.03	0.00
P-343	J-374	J-493	51	CI/R/DI	100	140	0.09	0.13	0.30
P-344	J-330	J-497	51	CI/R/DI	100	140	0.02	0.03	0.00
P-345	J-390	J-403	51	CI/R/DI	100	140	-0.27	0.39	1.90
P-346	J-498	J-361	43	CI/R/DI	100	140	0.13	0.19	0.50
P-347	J-499	J-479	51	CI/R/DI	100	140	0.02	0.03	0.00
P-348	J-495	J-500	47	CI/R/DI	100	140	0.51	0.74	6.20
P-349	J-195	J-160	51	CI/R/DI	100	140	0.20	0.29	1.10
P-350	J-257	J-428	51	CI/R/DI	100	140	-0.33	0.49	2.90
P-351	J-501	J-23	50	CI/R/DI	100	140	0.09	0.14	0.30
P-352	J-442	J-502	50	CI/R/DI	100	140	-0.54	0.80	7.10
P-353	J-254	J-503	51	CI/R/DI	100	140	0.02	0.03	0.00
P-354	J-504	J-505	52	CI/R/DI	100	140	-0.18	0.27	0.90
P-355	J-465	J-424	53	CI/R/DI	100	140	0.27	0.40	1.90
P-356	J-174	J-37	52	CI/R/DI	100	140	0.22	0.33	1.40
P-357	J-507	J-325	52	DI/E	100	130	-0.02	0.03	0.00
P-358	J-111	J-462	53	DI/E	100	130	-0.27	0.40	2.20
P-359	J-288	J-397	52	CI/R/DI	100	140	0.04	0.06	0.10
P-360	J-426	J-508	53	CI/R/DI	100	140	0.26	0.39	1.90
P-361	J-510	J-511	51	CI/R/DI	100	140	-0.12	0.18	0.40
P-362	J-512	J-8	55	CI/R/DI	100	140	-0.01	0.01	0.00
P-363	J-72	J-513	53	CI/R/DI	100	140	-0.18	0.26	0.90
P-364	J-514	J-268	53	CI/R/DI	100	140	-0.14	0.21	0.60
P-365	J-83	J-515	53	CI/R/DI	100	140	0.02	0.03	0.00
P-366	J-817	J-480	22	CI/R/DI	100	140	0.00	0.00	0.00
P-367	J-273	J-279	53	CI/R/DI	100	140	-0.51	0.76	6.40
P-368	J-338	J-23	54	CI/R/DI	100	140	0.05	0.08	0.10
P-369	J-202	J-390	54	CI/R/DI	100	140	-0.23	0.34	1.40
P-370	J-266	J-437	54	CI/R/DI	100	140	-0.15	0.22	0.60
P-371	J-381	J-518	54	CI/R/DI	100	140	0.02	0.03	0.00
P-372	J-519	J-520	69	CI/R/DI	100	140	0.03	0.04	0.00
P-373	J-480	J-100	58	CI/R/DI	100	140	-0.02	0.02	0.00
P-374	J-443	J-521	54	CI/R/DI	100	140	-0.17	0.25	0.80
P-375	J-455	J-8	54	CI/R/DI	100	140	0.24	0.36	1.60
P-376	J-17	J-522	55	CI/R/DI	100	140	-0.38	0.56	3.60

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-377	J-523	J-212	55	CI/R/DI	100	140	-0.01	0.01	0.00
P-378	J-220	J-39	55	CI/R/DI	100	140	-0.23	0.33	1.40
P-379	J-524	J-525	55	CI/R/DI	100	140	-0.28	0.41	2.00
P-380	J-526	J-514	55	CI/R/DI	100	140	0.05	0.08	0.10
P-381	J-365	J-140	50	CI/R/DI	100	140	0.13	0.19	0.50
P-382	J-437	J-446	55	CI/R/DI	100	140	-0.08	0.11	0.20
P-383	J-292	J-289	57	CI/R/DI	100	140	-0.35	0.52	3.20
P-384	J-527	J-589	156	CI/R/DI	100	140	0.14	0.21	0.60
P-385	J-219	J-528	56	CI/R/DI	100	140	0.02	0.03	0.00
P-386	J-188	J-331	56	CI/R/DI	100	140	0.34	0.50	2.90
P-387	J-529	J-301	52	CI/R/DI	100	140	-0.55	0.81	7.30
P-388	J-530	J-511	56	CI/R/DI	100	140	0.10	0.14	0.30
P-389	J-398	J-145	53	CI/R/DI	100	140	0.30	0.44	2.30
P-390	J-432	J-178	55	DI/E	100	130	0.11	0.17	0.50
P-391	J-531	J-385	59	DI/E	100	130	0.16	0.24	0.90
P-392	J-411	J-9	55	CI/R/DI	100	140	0.06	0.09	0.10
P-393	J-501	J-361	56	CI/R/DI	100	140	0.00	0.00	0.00
P-394	J-222	J-308	54	CI/R/DI	100	140	0.31	0.45	2.50
P-395	J-508	J-532	57	CI/R/DI	100	140	0.39	0.58	3.90
P-396	J-533	J-176	55	CI/R/DI	100	140	-0.02	0.03	0.00
P-397	J-534	J-129	56	CI/R/DI	100	140	-0.01	0.01	0.00
P-398	J-58	J-238	58	CI/R/DI	100	140	0.02	0.03	0.00
P-399	J-39	J-359	71	CI/R/DI	100	140	-0.17	0.25	0.80
P-400	J-535	J-165	57	CI/R/DI	100	140	-0.01	0.02	0.00
P-401	J-360	J-223	57	CI/R/DI	100	140	-0.07	0.11	0.20
P-402	J-204	J-537	57	DI/E	100	130	0.01	0.02	0.00
P-403	J-183	J-538	56	CI/R/DI	100	140	0.02	0.03	0.00
P-404	J-539	J-377	78	CI/R/DI	100	140	-0.03	0.04	0.00
P-405	J-536	J-466	54	CI/R/DI	100	140	-0.13	0.20	0.50
P-406	J-334	J-311	60	CI/R/DI	100	140	-0.33	0.49	2.80
P-407	J-308	J-331	58	CI/R/DI	100	140	-0.15	0.23	0.70
P-408	J-543	J-484	56	CI/R/DI	100	140	0.18	0.26	0.90
P-409	J-33	J-744	50	CI/R/DI	100	140	-0.28	0.42	2.10
P-410	J-506	J-209	52	CI/R/DI	100	140	0.15	0.22	0.60
P-411	J-544	J-545	58	CI/R/DI	100	140	0.02	0.03	0.00
P-412	J-252	J-362	58	CI/R/DI	100	140	-0.11	0.16	0.40
P-413	J-546	J-403	58	CI/R/DI	100	140	0.34	0.50	3.00
P-414	J-547	J-4	58	CI/R/DI	100	140	-0.07	0.11	0.20
P-415	J-548	J-283	75	CI/R/DI	100	140	-0.03	0.04	0.00
P-416	J-22	J-233	56	CI/R/DI	100	140	-0.40	0.59	4.00
P-417	J-550	J-228	59	DI/E	100	130	-0.02	0.03	0.00
P-418	J-505	J-88	57	CI/R/DI	100	140	-0.25	0.37	1.70
P-419	J-551	J-394	58	DI/E	100	130	-0.14	0.21	0.70
P-420	J-232	J-552	61	CI/R/DI	100	140	0.37	0.55	3.50
P-421	J-435	J-333	59	CI/R/DI	100	140	0.02	0.03	0.00
P-422	J-33	J-465	55	CI/R/DI	100	140	0.03	0.04	0.00
P-423	J-554	J-41	75	CI/R/DI	100	140	-0.03	0.04	0.00

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-424	J-126	J-555	62	CI/R/DI	100	140	0.02	0.04	0.00
P-425	J-136	J-368	60	DI/E	100	130	0.08	0.12	0.20
P-426	J-455	J-557	60	CI/R/DI	100	140	-0.14	0.21	0.60
P-427	J-450	J-558	60	CI/R/DI	100	140	0.08	0.11	0.20
P-428	J-543	J-87	60	CI/R/DI	100	140	-0.17	0.25	0.80
P-429	J-456	J-409	60	CI/R/DI	100	140	-0.49	0.72	5.80
P-430	J-560	J-524	59	CI/R/DI	100	140	-0.16	0.24	0.70
P-431	J-76	J-71	61	CI/R/DI	100	140	-0.10	0.14	0.30
P-432	J-7	J-81	61	CI/R/DI	100	140	-0.10	0.14	0.30
P-433	J-18	J-194	84	CI/R/DI	100	140	-0.24	0.35	1.60
P-434	J-201	J-28	63	CI/R/DI	100	140	-0.04	0.06	0.10
P-435	J-419	J-546	72	CI/R/DI	100	140	-0.04	0.06	0.10
P-436	J-142	J-248	62	CI/R/DI	100	140	-0.03	0.04	0.00
P-437	J-290	J-6	65	DI/E	100	130	-0.07	0.11	0.20
P-438	J-263	J-544	60	CI/R/DI	100	140	0.04	0.06	0.10
P-439	J-108	J-562	87	CI/R/DI	100	140	-0.40	0.60	4.10
P-440	J-53	J-563	66	CI/R/DI	100	140	0.14	0.20	0.50
P-441	J-564	J-159	63	CI/R/DI	100	140	-0.03	0.04	0.00
P-442	J-522	J-565	63	CI/R/DI	100	140	-0.52	0.77	6.60
P-443	J-558	J-553	64	CI/R/DI	100	140	-0.02	0.03	0.00
P-444	J-471	J-85	66	CI/R/DI	100	140	-0.24	0.36	1.60
P-445	J-566	J-178	76	CI/R/DI	100	140	-0.03	0.04	0.00
P-446	J-155	J-567	64	CI/R/DI	100	140	0.03	0.04	0.00
P-447	J-568	J-57	92	CI/R/DI	100	140	-0.04	0.05	0.00
P-448	J-500	J-36	65	CI/R/DI	100	140	0.40	0.59	4.00
P-449	J-65	J-151	193	CI/R/DI	100	140	0.03	0.04	0.00
P-450	J-306	J-340	65	CI/R/DI	100	140	0.13	0.19	0.50
P-451	J-151	J-64	63	CI/R/DI	100	140	-0.03	0.04	0.00
P-452	J-251	J-501	56	CI/R/DI	100	140	0.16	0.23	0.70
P-453	J-198	J-149	68	CI/R/DI	100	140	0.02	0.02	0.00
P-454	J-549	J-460	65	CI/R/DI	100	140	-0.01	0.02	0.00
P-455	J-279	J-66	73	CI/R/DI	100	140	-0.20	0.29	1.10
P-456	J-94	J-569	65	CI/R/DI	100	140	0.03	0.04	0.00
P-457	J-235	J-762	58	CI/R/DI	100	140	0.41	0.61	4.30
P-458	J-570	J-540	126	CI/R/DI	100	140	-0.02	0.03	0.00
P-459	J-165	J-116	66	CI/R/DI	100	140	-0.07	0.11	0.20
P-460	J-168	J-115	67	CI/R/DI	100	140	-0.13	0.19	0.50
P-461	J-525	J-543	67	CI/R/DI	100	140	-0.22	0.32	1.30
P-462	J-521	J-470	67	CI/R/DI	100	140	-0.24	0.35	1.50
P-463	J-225	J-573	68	DI/E	100	130	0.19	0.28	1.10
P-464	J-40	J-456	67	CI/R/DI	100	140	-0.33	0.49	2.80
P-465	J-264	J-103	68	CI/R/DI	100	140	-0.43	0.64	4.60
P-466	J-341	J-419	68	CI/R/DI	100	140	-0.25	0.37	1.70
P-467	J-447	J-401	68	CI/R/DI	100	140	-0.03	0.04	0.00
P-468	J-576	J-404	100	CI/R/DI	100	140	-0.02	0.03	0.00
P-469	J-577	J-36	68	CI/R/DI	100	140	-0.03	0.04	0.00
P-470	J-368	J-320	68	CI/R/DI	100	140	0.05	0.07	0.10

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-471	J-129	J-184	68	CI/R/DI	100	140	-0.04	0.05	0.00
P-472	J-397	J-13	68	CI/R/DI	100	140	-0.16	0.23	0.70
P-473	J-8	J-196	74	CI/R/DI	100	140	0.13	0.19	0.50
P-474	J-127	J-195	68	CI/R/DI	100	140	0.26	0.38	1.80
P-475	J-540	J-578	68	CI/R/DI	100	140	0.01	0.02	0.00
P-476	J-293	J-551	91	DI/E	100	130	-0.06	0.09	0.10
P-477	J-338	J-580	84	CI/R/DI	100	140	0.03	0.05	0.00
P-478	J-341	J-386	85	CI/R/DI	100	140	0.28	0.41	2.00
P-479	J-265	J-581	71	CI/R/DI	100	140	0.03	0.04	0.00
P-480	J-582	J-221	71	CI/R/DI	100	140	-0.03	0.04	0.00
P-481	J-98	J-360	92	CI/R/DI	100	140	-0.03	0.04	0.00
P-482	J-19	J-584	71	CI/R/DI	100	140	0.08	0.12	0.20
P-483	J-310	J-412	72	CI/R/DI	100	140	0.08	0.12	0.20
P-484	J-217	J-585	70	CI/R/DI	100	140	0.03	0.04	0.00
P-485	J-586	J-414	72	CI/R/DI	100	140	-0.01	0.02	0.00
P-486	J-184	J-128	91	CI/R/DI	100	140	0.03	0.05	0.00
P-487	J-307	J-587	73	CI/R/DI	100	140	0.01	0.02	0.00
P-488	J-572	J-76	73	CI/R/DI	100	140	-0.09	0.14	0.30
P-489	J-459	J-242	73	CI/R/DI	100	140	-0.04	0.06	0.10
P-490	J-590	J-74	75	CI/R/DI	100	140	-0.03	0.04	0.00
P-491	J-584	J-592	103	CI/R/DI	100	140	0.02	0.03	0.00
P-492	J-376	J-422	85	CI/R/DI	100	140	-0.02	0.02	0.00
P-493	J-266	J-102	75	CI/R/DI	100	140	-0.33	0.48	2.70
P-494	J-216	J-543	77	CI/R/DI	100	140	0.28	0.41	2.00
P-495	J-563	J-477	110	CI/R/DI	100	140	0.18	0.27	0.90
P-496	J-473	J-593	76	CI/R/DI	100	140	0.01	0.02	0.00
P-497	J-47	J-109	72	DI/E	100	130	-0.20	0.29	1.30
P-498	J-20	J-594	76	DI/E	100	130	0.02	0.03	0.00
P-499	J-595	J-424	76	CI/R/DI	100	140	-0.03	0.04	0.00
P-500	J-2	J-527	107	CI/R/DI	100	140	0.02	0.03	0.00
P-501	J-596	J-44	78	CI/R/DI	100	140	-0.01	0.02	0.00
P-502	J-302	J-265	98	CI/R/DI	100	140	-0.31	0.45	2.40
P-503	J-505	J-484	77	CI/R/DI	100	140	0.04	0.05	0.00
P-504	J-478	J-211	75	CI/R/DI	100	140	0.13	0.19	0.50
P-505	J-597	J-584	79	CI/R/DI	100	140	-0.01	0.02	0.00
P-506	J-571	J-71	78	CI/R/DI	100	140	-0.06	0.09	0.10
P-507	J-135	J-598	79	CI/R/DI	100	140	-0.21	0.30	1.20
P-508	J-599	J-500	79	CI/R/DI	100	140	-0.03	0.05	0.00
P-509	J-301	J-110	175	CI/R/DI	100	140	-0.26	0.38	1.80
P-510	J-166	J-600	80	CI/R/DI	100	140	-0.13	0.19	0.50
P-511	J-204	J-272	80	CI/R/DI	100	140	0.16	0.24	0.70
P-512	J-601	J-75	104	CI/R/DI	100	140	0.04	0.05	0.00
P-513	J-299	J-46	79	DI/E	100	130	0.03	0.05	0.00
P-514	J-490	J-153	81	CI/R/DI	100	140	-0.05	0.08	0.10
P-515	J-504	J-469	82	CI/R/DI	100	140	0.03	0.04	0.00
P-516	J-598	J-2	82	CI/R/DI	100	140	-0.24	0.35	1.60
P-517	J-16	J-602	88	CI/R/DI	100	140	0.03	0.05	0.00

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-518	J-513	J-464	84	CI/R/DI	100	140	-0.06	0.09	0.10
P-519	J-511	J-307	84	CI/R/DI	100	140	-0.13	0.19	0.50
P-520	J-532	J-464	84	DI/E	100	130	0.28	0.42	2.40
P-521	J-427	J-508	123	CI/R/DI	100	140	0.17	0.25	0.80
P-522	J-437	J-101	110	CI/R/DI	100	140	-0.19	0.29	1.00
P-523	J-72	J-20	85	CI/R/DI	100	140	-0.03	0.05	0.00
P-524	J-194	J-210	85	CI/R/DI	100	140	0.11	0.16	0.30
P-525	J-461	J-328	86	CI/R/DI	100	140	-0.11	0.16	0.40
P-526	J-600	J-167	107	CI/R/DI	100	140	0.11	0.17	0.40
P-527	J-205	J-463	87	CI/R/DI	100	140	-0.21	0.30	1.20
P-528	J-421	J-549	85	CI/R/DI	100	140	0.03	0.04	0.00
P-529	J-603	J-54	85	CI/R/DI	100	140	-0.45	0.67	5.00
P-530	J-604	J-375	88	CI/R/DI	100	140	-0.03	0.05	0.00
P-531	J-145	J-305	88	CI/R/DI	100	140	0.22	0.33	1.40
P-532	J-239	J-447	90	CI/R/DI	100	140	0.04	0.06	0.10
P-533	J-605	J-376	121	CI/R/DI	100	140	-0.02	0.03	0.00
P-534	J-456	J-442	90	CI/R/DI	100	140	-0.18	0.27	0.90
P-535	J-565	J-216	91	CI/R/DI	100	140	0.32	0.47	2.60
P-536	J-502	J-388	115	DI/E	100	130	-0.19	0.28	1.20
P-537	J-423	J-536	112	CI/R/DI	100	140	0.31	0.46	2.50
P-538	J-594	J-571	91	CI/R/DI	100	140	0.10	0.14	0.30
P-539	J-551	J-114	92	DI/E	100	130	0.04	0.05	0.10
P-540	J-434	J-606	60	CI/R/DI	100	140	0.04	0.06	0.00
P-541	J-603	J-529	92	CI/R/DI	100	140	-0.06	0.09	0.10
P-542	J-519	J-156	93	CI/R/DI	100	140	-0.27	0.39	1.90
P-543	J-157	J-153	127	CI/R/DI	100	140	-0.06	0.08	0.10
P-544	J-228	J-34	91	DI/E	100	130	0.01	0.02	0.00
P-545	J-85	J-306	94	CI/R/DI	100	140	0.28	0.41	2.10
P-546	J-164	J-211	106	CI/R/DI	100	140	0.00	0.00	0.00
P-547	J-416	J-545	127	CI/R/DI	100	140	0.03	0.04	0.00
P-548	J-478	J-95	96	CI/R/DI	100	140	-0.01	0.02	0.00
P-549	J-146	J-136	96	DI/E	100	130	0.16	0.23	0.80
P-550	J-34	J-229	111	CI/R/DI	100	140	-0.06	0.08	0.10
P-551	J-291	J-312	95	CI/R/DI	100	140	0.31	0.46	2.50
P-552	J-448	J-451	96	CI/R/DI	100	140	0.04	0.06	0.00
P-553	J-669	J-138	92	CI/R/DI	100	140	0.20	0.30	1.10
P-554	J-263	J-365	184	CI/R/DI	100	140	-0.08	0.12	0.20
P-555	J-470	J-504	129	CI/R/DI	100	140	-0.11	0.16	0.30
P-556	J-420	J-239	97	CI/R/DI	100	140	0.09	0.13	0.20
P-557	J-243	J-477	98	CI/R/DI	100	140	0.12	0.18	0.40
P-558	J-607	J-286	90	CI/R/DI	100	140	-0.04	0.05	0.00
P-559	J-443	J-560	99	CI/R/DI	100	140	-0.12	0.18	0.40
P-560	J-340	J-608	99	CI/R/DI	100	140	0.02	0.03	0.00
P-561	J-609	J-531	99	CI/R/DI	100	140	-0.02	0.03	0.00
P-562	J-401	J-420	136	CI/R/DI	100	140	-0.08	0.12	0.20
P-563	J-246	J-262	99	CI/R/DI	100	140	0.16	0.23	0.70
P-564	J-449	J-406	101	CI/R/DI	100	140	0.08	0.11	0.20

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-565	J-61	J-117	102	CI/R/DI	100	140	-0.30	0.45	2.40
P-566	J-367	J-610	107	CI/R/DI	100	140	0.32	0.47	2.70
P-567	J-611	J-612	69	CI/R/DI	100	140	0.01	0.02	0.00
P-568	J-467	J-441	95	CI/R/DI	100	140	-0.04	0.06	0.10
P-569	J-425	J-614	103	CI/R/DI	100	140	0.04	0.06	0.10
P-570	J-69	J-519	131	CI/R/DI	100	140	-0.12	0.18	0.50
P-571	J-615	J-90	103	CI/R/DI	100	140	-0.02	0.03	0.00
P-572	J-102	J-603	135	CI/R/DI	100	140	-0.39	0.58	3.80
P-573	J-170	J-591	102	CI/R/DI	100	140	-0.37	0.54	3.50
P-574	J-433	J-526	112	CI/R/DI	100	140	0.25	0.37	1.70
P-575	J-343	J-78	105	CI/R/DI	100	140	0.02	0.04	0.00
P-576	J-294	J-616	122	CI/R/DI	100	140	0.02	0.03	0.00
P-577	J-408	J-444	104	CI/R/DI	100	140	0.19	0.28	1.00
P-578	J-547	J-558	106	CI/R/DI	100	140	-0.06	0.08	0.10
P-579	J-342	J-383	107	CI/R/DI	100	140	0.04	0.06	0.10
P-580	J-471	J-340	107	CI/R/DI	100	140	0.20	0.30	1.10
P-581	J-407	J-454	103	CI/R/DI	100	140	0.12	0.18	0.50
P-582	J-493	J-407	107	CI/R/DI	100	140	-0.06	0.08	0.10
P-583	J-427	J-617	107	CI/R/DI	100	140	-0.28	0.40	2.00
P-584	J-511	J-44	108	CI/R/DI	100	140	0.05	0.07	0.10
P-585	J-475	J-611	110	CI/R/DI	100	140	-0.10	0.15	0.30
P-586	J-493	J-557	106	CI/R/DI	100	140	0.10	0.15	0.30
P-587	J-277	J-291	144	CI/R/DI	100	140	-0.28	0.42	2.10
P-588	J-617	J-426	128	CI/R/DI	100	140	0.25	0.37	1.70
P-589	J-466	J-527	111	CI/R/DI	100	140	0.27	0.39	1.90
P-590	J-560	J-521	154	CI/R/DI	100	140	-0.02	0.03	0.00
P-591	J-544	J-416	111	CI/R/DI	100	140	-0.03	0.04	0.00
P-592	J-114	J-394	167	DI/E	100	130	-0.08	0.12	0.30
P-593	J-124	J-267	112	DI/E	100	130	0.07	0.11	0.20
P-594	J-269	J-125	112	DI/E	100	130	-0.07	0.11	0.20
P-595	J-489	J-384	108	CI/R/DI	100	140	-0.08	0.12	0.20
P-596	J-351	J-475	139	CI/R/DI	100	140	-0.05	0.08	0.10
P-597	J-343	J-133	170	CI/R/DI	100	140	0.04	0.06	0.10
P-598	J-618	J-619	113	CI/R/DI	100	140	0.04	0.07	0.10
P-599	J-328	J-302	144	CI/R/DI	100	140	0.14	0.21	0.60
P-600	J-48	J-271	114	CI/R/DI	100	140	0.25	0.37	1.70
P-601	J-395	J-383	149	CI/R/DI	100	140	0.11	0.16	0.40
P-602	J-418	J-490	155	CI/R/DI	100	140	0.06	0.09	0.10
P-603	J-18	J-226	116	DI/E	100	130	0.10	0.14	0.30
P-604	J-227	J-198	118	CI/R/DI	100	140	0.17	0.25	0.80
P-605	J-317	J-270	139	CI/R/DI	100	140	0.18	0.27	0.90
P-606	J-262	J-227	119	DI/E	100	130	0.12	0.17	0.50
P-607	J-272	J-532	153	DI/E	100	130	-0.06	0.08	0.10
P-608	J-557	J-374	155	CI/R/DI	100	140	-0.10	0.14	0.30
P-609	J-300	J-375	145	CI/R/DI	100	140	0.32	0.47	2.60
P-610	J-380	J-452	123	CI/R/DI	100	140	-0.31	0.45	2.50
P-611	J-526	J-620	123	CI/R/DI	100	140	0.08	0.12	0.20

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-612	J-174	J-496	118	CI/R/DI	100	140	-0.31	0.45	2.50
P-613	J-621	J-256	127	CI/R/DI	100	140	-0.02	0.03	0.00
P-614	J-472	J-451	124	CI/R/DI	100	140	-0.05	0.08	0.10
P-615	J-463	J-5	125	CI/R/DI	100	140	-0.12	0.17	0.40
P-616	J-613	J-510	149	CI/R/DI	100	140	-0.04	0.05	0.00
P-617	J-52	J-15	327	CI/R/DI	100	140	0.41	0.60	4.20
P-618	J-214	J-252	122	CI/R/DI	100	140	-0.16	0.24	0.70
P-619	J-122	J-418	127	CI/R/DI	100	140	0.09	0.13	0.30
P-620	J-834	J-29	140	CI/R/DI	100	140	-0.25	0.36	1.60
P-621	J-238	J-362	130	CI/R/DI	100	140	-0.17	0.24	0.80
P-622	J-190	J-199	124	CI/R/DI	100	140	0.20	0.29	1.10
P-623	J-452	J-244	164	CI/R/DI	100	140	0.24	0.35	1.60
P-624	J-5	J-622	171	DI/E	100	130	0.14	0.20	0.60
P-625	J-473	J-448	167	CI/R/DI	100	140	-0.06	0.08	0.10
P-626	J-561	J-514	127	CI/R/DI	100	140	-0.10	0.15	0.30
P-627	J-189	J-32	130	CI/R/DI	100	140	0.15	0.22	0.70
P-628	J-423	J-438	130	CI/R/DI	100	140	-0.07	0.10	0.10
P-629	J-414	J-463	169	CI/R/DI	100	140	0.06	0.09	0.10
P-630	J-487	J-458	147	CI/R/DI	100	140	-0.10	0.14	0.30
P-631	J-49	J-169	133	CI/R/DI	100	140	-0.28	0.41	2.10
P-632	J-489	J-458	138	CI/R/DI	100	140	-0.10	0.15	0.30
P-633	J-583	J-42	135	CI/R/DI	100	140	-0.18	0.27	0.90
P-634	J-415	J-399	137	CI/R/DI	100	140	-0.30	0.44	2.40
P-635	J-502	J-285	135	DI/E	100	130	0.18	0.27	1.10
P-636	J-261	J-400	139	CI/R/DI	100	140	-0.21	0.31	1.20
P-637	J-203	J-623	190	CI/R/DI	100	140	0.03	0.05	0.00
P-638	J-611	J-341	142	CI/R/DI	100	140	-0.18	0.26	0.90
P-639	J-622	J-241	137	CI/R/DI	100	140	0.44	0.65	4.90
P-640	J-553	J-449	246	DI/E	100	130	-0.08	0.11	0.20
P-641	J-297	J-220	143	CI/R/DI	100	140	-0.02	0.04	0.00
P-642	J-303	J-429	143	CI/R/DI	100	140	0.20	0.29	1.10
P-643	J-56	J-50	235	CI/R/DI	100	140	-0.23	0.34	1.50
P-644	J-598	J-589	142	CI/R/DI	100	140	-0.08	0.12	0.20
P-645	J-149	J-189	209	CI/R/DI	100	140	-0.20	0.29	1.10
P-646	J-479	J-356	158	CI/R/DI	100	140	-0.48	0.71	5.70
P-647	J-170	J-279	149	CI/R/DI	100	140	0.45	0.66	4.90
P-648	J-320	J-147	159	CI/R/DI	100	140	-0.18	0.26	0.90
P-649	J-25	J-624	150	CI/R/DI	100	140	0.06	0.09	0.10
P-650	J-248	J-404	161	CI/R/DI	100	140	0.05	0.07	0.10
P-651	J-516	J-87	168	CI/R/DI	100	140	0.26	0.39	1.90
P-652	J-77	J-30	156	CI/R/DI	100	140	0.08	0.11	0.20
P-653	J-525	J-522	168	CI/R/DI	100	140	-0.11	0.16	0.40
P-654	J-4	J-435	167	CI/R/DI	100	140	0.08	0.12	0.20
P-655	J-524	J-17	168	CI/R/DI	100	140	0.07	0.10	0.10
P-656	J-333	J-547	167	CI/R/DI	100	140	-0.07	0.10	0.20
P-657	J-406	J-434	168	CI/R/DI	100	140	0.12	0.17	0.40
P-658	J-625	J-7	172	CI/R/DI	100	140	-0.07	0.10	0.10

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-659	J-68	J-382	163	CI/R/DI	100	140	-0.10	0.14	0.30
P-660	J-531	J-552	169	CI/R/DI	100	140	-0.16	0.23	0.70
P-661	J-579	J-565	171	CI/R/DI	100	140	-0.30	0.44	2.30
P-662	J-91	J-626	171	CI/R/DI	100	140	0.03	0.05	0.00
P-663	J-135	J-108	164	CI/R/DI	100	140	-0.18	0.26	0.90
P-664	J-556	J-499	175	CI/R/DI	100	140	0.34	0.51	3.00
P-665	J-529	J-446	221	CI/R/DI	100	140	0.35	0.51	3.10
P-666	J-522	J-579	210	CI/R/DI	100	140	-0.05	0.08	0.10
P-667	J-65	J-15	424	CI/R/DI	100	140	-0.28	0.41	2.10
P-668	J-192	J-627	246	CI/R/DI	100	140	-0.05	0.08	0.10
P-669	J-409	J-388	183	CI/R/DI	100	140	-0.21	0.31	1.20
P-670	J-389	J-410	183	CI/R/DI	100	140	0.25	0.37	1.70
P-671	J-11	J-461	216	CI/R/DI	100	140	-0.33	0.49	2.80
P-672	J-486	J-366	217	CI/R/DI	100	140	-0.14	0.21	0.60
P-673	J-410	J-276	222	CI/R/DI	100	140	-0.31	0.46	2.50
P-674	J-513	J-62	190	CI/R/DI	100	140	-0.18	0.26	0.90
P-675	J-212	J-405	192	CI/R/DI	100	140	0.09	0.13	0.30
P-676	J-385	J-232	198	DI/E	100	130	-0.25	0.37	2.00
P-677	J-59	J-201	208	CI/R/DI	100	140	-0.12	0.17	0.40
P-678	J-370	J-334	211	CI/R/DI	100	140	-0.16	0.23	0.70
P-679	J-93	J-197	213	CI/R/DI	100	140	-0.15	0.22	0.60
P-680	J-462	J-112	218	CI/R/DI	100	140	-0.07	0.10	0.20
P-681	J-393	J-21	219	CI/R/DI	100	140	-0.07	0.10	0.10
P-682	J-284	J-234	222	CI/R/DI	100	140	-0.16	0.24	0.80
P-683	J-77	J-61	272	CI/R/DI	100	140	-0.18	0.27	0.90
P-684	J-588	J-516	260	CI/R/DI	100	140	-0.17	0.25	0.80
P-685	J-256	J-96	243	CI/R/DI	100	140	-0.10	0.15	0.30
P-686	J-509	J-666	312	CI/R/DI	100	140	-0.09	0.13	0.20
P-687	J-42	J-509	465	CI/R/DI	100	140	0.06	0.08	0.10
P-688	J-96	J-583	421	CI/R/DI	100	140	-0.21	0.30	1.20
P-689	J-218	J-541	350	CI/R/DI	100	140	0.08	0.12	0.20
P-690	J-541	J-168	383	CI/R/DI	100	140	-0.08	0.11	0.20
P-691	J-96	J-65	358	CI/R/DI	100	140	-0.08	0.12	0.20
P-692	J-56	J-119	522	CI/R/DI	100	140	0.24	0.36	1.60
P-693	J-298	J-64	524	CI/R/DI	100	140	-0.27	0.39	1.90
P-694	J-89	J-51	565	CI/R/DI	100	140	-0.22	0.33	1.30
P-695	J-375	J-1	43	CI/R/DI	100	140	0.18	0.26	0.90
P-696	J-412	J-618	62	CI/R/DI	100	140	0.10	0.15	0.30
P-697	J-618	J-130	92	CI/R/DI	100	140	-0.05	0.07	0.10
P-698	J-405	J-627	65	CI/R/DI	100	140	0.01	0.02	0.00
P-699	J-627	J-177	70	CI/R/DI	100	140	-0.11	0.17	0.40
P-700	J-536	J-2	56	CI/R/DI	100	140	0.36	0.53	3.30
P-701	J-160	J-275	89	CI/R/DI	100	140	-0.15	0.23	0.70
P-702	J-275	J-264	65	CI/R/DI	100	140	-0.27	0.40	2.00
P-703	J-3	J-231	260	CI/R/DI	100	140	-0.14	0.20	0.60
P-704	J-3	J-148	66	CI/R/DI	100	140	0.00	0.00	0.00
P-705	J-450	J-4	104	CI/R/DI	100	140	0.06	0.09	0.10

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-706	J-17	J-212	48	CI/R/DI	100	140	0.32	0.46	2.60
P-707	J-588	J-837	232	CI/R/DI	100	140	-0.22	0.32	1.30
P-708	J-16	J-575	40	CI/R/DI	100	140	-0.12	0.17	0.40
P-709	J-575	J-33	35	CI/R/DI	100	140	-0.20	0.29	1.10
P-710	J-108	J-589	93	CI/R/DI	100	140	0.09	0.14	0.30
P-711	J-130	J-25	251	CI/R/DI	100	140	-0.30	0.44	2.30
P-712	J-251	J-498	57	CI/R/DI	100	140	0.10	0.15	0.30
P-713	J-498	J-506	50	CI/R/DI	100	140	-0.09	0.13	0.20
P-714	J-506	J-467	82	CI/R/DI	100	140	-0.31	0.45	2.50
P-715	J-467	J-286	46	CI/R/DI	100	140	-0.35	0.52	3.20
P-716	J-286	J-285	34	CI/R/DI	100	140	-0.45	0.67	5.10
P-717	J-17	J-121	100	CI/R/DI	100	140	0.06	0.09	0.10
P-718	J-613	J-628	133	CI/R/DI	100	140	-0.02	0.04	0.00
P-719	J-552	J-629	49	CI/R/DI	100	140	0.16	0.24	0.80
P-720	J-629	J-630	152	CI/R/DI	100	140	0.13	0.19	0.50
P-721	J-630	J-531	46	CI/R/DI	100	140	0.09	0.13	0.30
P-722	J-1	J-631	37	CI/R/DI	100	140	0.07	0.10	0.10
P-723	J-631	J-632	66	CI/R/DI	100	140	0.03	0.04	0.00
P-724	J-633	J-1	67	CI/R/DI	100	140	-0.05	0.08	0.10
P-725	J-388	J-635	116	CI/R/DI	100	140	-0.12	0.18	0.40
P-726	J-635	J-634	54	CI/R/DI	100	140	-0.19	0.28	1.00
P-727	J-42	J-52	397	CI/R/DI	100	140	-0.42	0.61	4.30
P-728	J-52	J-636	18	CI/R/DI	150	140	-0.96	0.63	2.90
P-729	J-530	J-610	50	CI/R/DI	100	140	-0.22	0.32	1.30
P-730	J-610	J-306	47	CI/R/DI	100	140	0.07	0.10	0.20
P-731	J-285	J-637	129	CI/R/DI	100	140	0.05	0.07	0.10
P-732	J-638	J-177	174	CI/R/DI	100	140	-0.09	0.13	0.30
P-733	J-639	J-192	27	CI/R/DI	100	140	0.00	0.01	0.00
P-734	J-211	J-640	71	CI/R/DI	100	140	0.03	0.04	0.00
P-735	J-641	J-9	59	CI/R/DI	100	140	0.22	0.32	1.30
P-736	J-451	J-642	42	CI/R/DI	100	140	-0.06	0.09	0.10
P-737	J-643	J-472	27	CI/R/DI	100	140	-0.01	0.01	0.00
P-738	J-644	J-393	26	CI/R/DI	100	140	-0.01	0.01	0.00
P-739	J-645	J-92	21	CI/R/DI	100	140	0.00	0.01	0.00
P-740	J-113	J-647	23	CI/R/DI	100	140	0.00	0.01	0.00
P-741	J-648	J-357	33	CI/R/DI	100	140	-0.01	0.01	0.00
P-742	J-639	J-638	163	DI/E	100	130	-0.03	0.04	0.00
P-743	J-655	J-370	68	CI/R/DI	100	140	-0.06	0.08	0.10
P-744	J-132	J-655	52	DI/E	100	130	-0.04	0.05	0.10
P-745	J-658	J-661	163	CI/E	300	80	8.14	1.33	14.20
P-746	J-660	J-662	61	CI/E	750	80	-17.35	0.45	0.70
P-747	J-665	J-132	12	DI/E	100	130	0.00	0.00	0.00
P-748	J-546	J-372	37	CI/R/DI	100	140	-0.41	0.61	4.30
P-749	J-119	J-38	179	CI/R/DI	100	140	-0.28	0.41	2.10
P-750	J-117	J-667	13	CI/R/DI	100	140	-0.62	0.91	9.20
P-751	J-657	J-667	152	CI/R/DI	100	140	0.24	0.36	1.60
P-752	J-668	J-30	172	CI/R/DI	100	140	0.15	0.22	0.60

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-753	J-667	J-668	341	CI/R/DI	100	140	0.24	0.35	1.50
P-754	J-335	J-657	51	CI/R/DI	100	140	0.06	0.08	0.10
P-755	J-35	J-657	66	CI/R/DI	100	140	0.24	0.35	1.50
P-756	J-636	J-669	313	CI/R/DI	100	140	0.45	0.66	4.90
P-757	J-669	J-35	22	CI/R/DI	100	140	0.17	0.25	0.80
P-758	J-167	J-670	165	CI/R/DI	100	140	0.04	0.05	0.00
P-759	J-670	J-671	14	CI/R/DI	100	140	-0.07	0.10	0.10
P-760	J-123	J-672	44	CI/R/DI	100	140	0.28	0.41	2.00
P-761	J-671	J-672	319	CI/R/DI	100	140	-0.12	0.17	0.40
P-762	J-672	J-673	261	CI/R/DI	100	140	0.05	0.07	0.10
P-763	J-671	J-166	160	CI/R/DI	100	140	-0.04	0.06	0.00
P-764	J-659	J-674	810	CI/E	900	80	-36.07	0.66	1.10
P-765	J-675	J-670	202	CI/R/DI	100	140	-0.03	0.05	0.00
P-766	J-353	J-676	47	CI/R/DI	100	140	-0.14	0.21	0.60
P-767	J-677	J-384	73	DI/E	100	130	-0.24	0.36	1.80
P-768	J-676	J-677	163	CI/R/DI	100	140	-0.30	0.44	2.40
P-769	J-677	J-678	153	CI/R/DI	100	140	-0.13	0.19	0.50
P-770	J-678	J-491	184	CI/R/DI	100	140	-0.05	0.08	0.10
P-771	J-679	J-680	51	CI/R/DI	100	140	-0.05	0.07	0.10
P-772	J-682	J-579	66	CI/R/DI	100	140	-0.16	0.24	0.80
P-773	J-681	J-682	134	CI/R/DI	100	140	0.12	0.18	0.40
P-774	J-666	J-829	46	CI/R/DI	100	140	-0.39	0.57	3.80
P-775	J-658	J-683	446	CI/E	500	80	-8.24	0.49	1.20
P-776	J-682	J-684	130	CI/R/DI	100	140	0.23	0.33	1.40
P-777	J-684	J-121	79	CI/R/DI	100	140	-0.02	0.03	0.00
P-778	J-685	J-142	137	CI/R/DI	100	140	0.01	0.02	0.00
P-779	J-684	J-685	168	CI/R/DI	100	140	0.18	0.26	0.90
P-780	J-686	J-639	203	DI/E	100	130	0.05	0.07	0.10
P-781	J-685	J-686	69	CI/R/DI	100	140	0.10	0.14	0.30
P-782	J-687	J-679	52	CI/R/DI	100	140	-0.01	0.01	0.00
P-783	J-540	J-688	60	CI/R/DI	100	140	-0.08	0.12	0.20
P-784	J-688	J-411	85	CI/R/DI	100	140	0.27	0.39	1.90
P-785	J-688	J-641	60	CI/R/DI	100	140	0.24	0.35	1.50
P-786	J-294	J-690	11	CI/R/DI	100	140	0.00	0.00	0.00
P-787	J-691	J-79	38	CI/R/DI	100	140	-0.01	0.01	0.00
P-788	J-545	J-692	28	CI/R/DI	100	140	0.01	0.01	0.00
P-789	J-693	J-460	41	CI/R/DI	100	140	-0.01	0.01	0.00
P-790	J-545	J-694	16	CI/R/DI	100	140	0.00	0.00	0.00
P-791	J-549	J-695	43	CI/R/DI	100	140	0.01	0.01	0.00
P-792	J-705	J-696	115	CI/R/DI	100	140	0.02	0.03	0.00
P-793	J-772	J-708	303	DI/P	150	140	1.48	0.97	6.30
P-794	J-681	J-588	68	CI/R/DI	100	140	-0.29	0.42	2.20
P-795	J-680	J-697	76	CI/R/DI	100	140	0.04	0.06	0.10
P-796	J-697	J-679	119	CI/R/DI	100	140	0.00	0.00	0.00
P-797	J-406	J-517	53	CI/R/DI	100	140	-0.27	0.40	2.00
P-798	J-699	J-88	41	CI/R/DI	100	140	0.22	0.32	1.30
P-799	J-699	J-700	88	CI/R/DI	100	140	0.02	0.02	0.00

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-800	J-494	J-311	163	CI/R/DI	100	140	-0.21	0.30	1.20
P-801	J-785	J-701	220	DI/P	150	140	0.53	0.35	0.90
P-802	J-494	J-701	41	CI/R/DI	100	140	0.10	0.15	0.30
P-803	J-701	J-395	8	DI/P	150	140	0.62	0.41	1.40
P-804	J-835	J-710	47	DI/P	150	140	0.86	0.56	2.30
P-805	J-662	J-659	387	CI/E	750	80	-31.06	0.81	2.00
P-806	J-73	J-703	311	CI/R/DI	100	140	-0.41	0.60	4.10
P-807	J-703	J-636	13	DI/P	300	140	-6.27	1.03	3.50
P-808	J-704	J-15	13	CI/R/DI	100	140	0.31	0.45	2.50
P-809	J-678	J-489	59	CI/R/DI	100	140	-0.15	0.22	0.60
P-810	J-683	J-698	172	CI/E	500	80	-8.24	0.49	1.20
P-811	J-698	J-660	295	CI/E	500	80	-11.25	0.66	2.10
P-812	J-705	J-421	56	CI/R/DI	100	140	0.02	0.03	0.00
P-813	J-707	J-706	102	DI/P	200	140	-1.36	0.50	1.30
P-814	J-706	J-517	12	DI/P	200	140	-2.33	0.86	3.90
P-815	J-565	J-707	8	DI/P	200	140	-1.20	0.44	1.20
P-816	J-452	J-708	11	DI/P	150	140	-1.08	0.71	3.70
P-817	J-708	J-622	114	CI/R/DI	100	140	0.38	0.56	3.70
P-818	J-617	J-709	11	DI/P	150	140	-0.95	0.62	2.90
P-819	J-706	J-516	50	CI/R/DI	100	140	0.37	0.55	3.60
P-820	J-516	J-707	58	CI/R/DI	100	140	-0.16	0.23	0.70
P-821	J-367	J-710	6	DI/P	150	140	-0.83	0.54	2.40
P-822	J-710	J-84	40	CI/R/DI	100	140	0.03	0.04	0.00
P-823	J-411	J-705	295	CI/R/DI	100	140	0.13	0.19	0.50
P-824	J-662	J-664	54	CI/E	600	80	13.71	0.56	1.30
P-825	J-408	J-711	44	CI/R/DI	100	140	-0.45	0.66	5.00
P-826	J-711	J-688	398	CI/E	300	80	0.62	0.10	0.10
P-827	J-664	J-663	449	CI/E	600	80	10.83	0.44	0.80
P-828	J-712	J-38	376	CI/R/DI	100	140	0.12	0.18	0.40
P-829	J-712	CMRL-BULK	25	CI/R/DI	100	140	0.12	0.17	0.40
P-830	J-713	J-16	40	CI/R/DI	100	140	-0.02	0.02	0.00
P-831	J-714	J-14	133	CI/R/DI	100	140	-0.05	0.08	0.10
P-832	J-715	J-381	141	CI/R/DI	100	140	-0.10	0.15	0.30
P-833	J-68	J-715	49	CI/R/DI	100	140	0.01	0.02	0.00
P-834	J-716	J-479	107	CI/R/DI	100	140	-0.18	0.26	0.90
P-835	J-715	J-716	57	CI/R/DI	100	140	0.02	0.03	0.00
P-836	J-499	J-717	106	CI/R/DI	100	140	0.20	0.29	1.10
P-837	J-716	J-717	49	CI/R/DI	100	140	0.11	0.16	0.40
P-838	J-718	J-433	146	CI/R/DI	100	140	-0.13	0.20	0.50
P-839	J-717	J-718	58	CI/R/DI	100	140	0.22	0.33	1.30
P-840	J-719	J-559	73	CI/R/DI	100	140	0.03	0.04	0.00
P-841	J-718	J-719	52	CI/R/DI	100	140	0.26	0.38	1.70
P-842	J-278	J-720	27	CI/R/DI	100	140	-0.01	0.02	0.00
P-843	J-719	J-720	32	CI/R/DI	100	140	0.17	0.24	0.80
P-844	J-720	J-620	49	CI/R/DI	100	140	0.11	0.17	0.40
P-845	J-620	J-561	65	CI/R/DI	100	140	0.10	0.15	0.30
P-846	J-561	J-457	107	CI/R/DI	100	140	0.09	0.13	0.20

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-847	J-721	J-130	42	CI/R/DI	100	140	-0.10	0.15	0.30
P-848	J-457	J-721	365	CI/R/DI	100	140	0.06	0.09	0.10
P-849	J-737	J-103	150	CI/R/DI	100	140	0.13	0.19	0.50
P-850	J-103	J-363	333	CI/R/DI	100	140	0.19	0.28	1.00
P-851	J-169	J-722	21	CI/R/DI	100	140	-0.47	0.70	5.50
P-852	J-723	J-317	33	CI/R/DI	100	140	0.05	0.07	0.10
P-853	J-724	J-459	135	CI/R/DI	100	140	0.07	0.11	0.20
P-854	J-75	J-725	39	DI/E	100	130	-0.30	0.44	2.70
P-855	J-726	J-219	90	CI/R/DI	100	140	-0.02	0.03	0.00
P-856	J-281	J-727	30	CI/R/DI	100	140	-0.01	0.02	0.00
P-857	J-147	J-728	56	CI/R/DI	100	140	-0.51	0.76	6.40
P-858	J-729	J-297	71	CI/R/DI	100	140	0.03	0.04	0.00
P-859	J-25	J-730	55	CI/R/DI	100	140	-0.53	0.78	6.80
P-860	J-731	J-251	103	CI/R/DI	100	140	-0.13	0.19	0.50
P-861	J-732	J-722	105	CI/R/DI	100	140	-0.04	0.06	0.10
P-862	J-722	J-723	136	CI/R/DI	100	140	0.36	0.53	3.30
P-863	J-723	J-724	267	CI/R/DI	100	140	0.14	0.21	0.60
P-864	J-724	J-601	50	CI/R/DI	100	140	-0.11	0.16	0.40
P-865	J-601	J-725	69	CI/R/DI	100	140	-0.23	0.34	1.40
P-866	J-726	J-729	158	CI/R/DI	100	140	-0.05	0.07	0.10
P-867	J-729	J-731	116	CI/R/DI	100	140	-0.04	0.06	0.10
P-868	J-170	J-316	138	CI/R/DI	100	140	0.37	0.54	3.50
P-869	J-316	J-556	69	CI/R/DI	100	140	0.45	0.66	4.90
P-870	J-556	J-496	60	CI/R/DI	100	140	-0.02	0.03	0.00
P-871	J-496	J-495	50	CI/R/DI	100	140	-0.41	0.61	4.30
P-872	J-495	J-733	238	CI/R/DI	100	140	0.15	0.23	0.70
P-873	J-733	J-282	30	CI/R/DI	100	140	0.43	0.64	4.70
P-874	J-733	J-727	68	CI/R/DI	100	140	0.41	0.61	4.30
P-875	J-727	J-728	56	CI/R/DI	100	140	0.34	0.50	3.00
P-876	J-728	J-730	192	CI/R/DI	100	140	-0.29	0.43	2.20
P-877	J-40	J-734	50	DI/E	100	130	0.17	0.26	1.00
P-878	J-754	J-726	70	CI/R/DI	100	140	0.05	0.08	0.10
P-879	J-652	J-285	10	DI/P	150	140	0.44	0.29	0.70
P-880	J-653	J-110	7	DI/P	200	140	2.30	0.85	4.00
P-881	J-650	J-737	6	DI/P	200	140	2.89	1.06	6.30
P-882	J-737	J-738	29	DI/E	200	130	2.70	1.00	5.60
P-883	J-738	J-746	8	DI/P	150	140	1.16	0.76	4.30
P-884	J-264	J-739	30	CI/R/DI	100	140	0.09	0.14	0.30
P-885	J-739	J-127	5	CI/R/DI	100	140	0.13	0.19	0.50
P-886	J-738	J-739	120	DI/E	200	130	1.55	0.57	1.90
P-887	J-740	J-650	150	DI/E	300	130	-2.61	0.43	0.70
P-888	J-740	J-103	4	DI/P	200	140	0.71	0.26	0.50
P-889	J-741	J-740	336	DI/E	300	130	-1.90	0.31	0.40
P-890	J-741	J-190	137	DI/P	150	140	0.90	0.59	2.50
P-891	J-742	J-741	46	DI/E	300	130	-1.00	0.16	0.10
P-892	J-363	J-743	53	CI/R/DI	100	140	-0.34	0.50	3.00
P-893	J-743	J-398	61	CI/R/DI	100	140	0.14	0.21	0.60

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-894	J-742	J-743	6	CI/R/DI	100	140	0.53	0.78	7.30
P-895	J-465	J-744	45	CI/R/DI	100	140	-0.30	0.44	2.40
P-896	J-744	J-650	9	DI/P	150	140	-1.06	0.69	3.60
P-897	J-195	J-745	5	DI/P	150	140	-0.41	0.27	0.70
P-898	J-745	J-275	31	CI/R/DI	100	140	-0.05	0.07	0.10
P-899	J-739	J-745	67	DI/E	200	130	1.50	0.55	1.80
P-900	J-745	J-651	89	DI/E	200	130	1.13	0.41	1.10
P-901	J-746	J-126	96	CI/R/DI	100	140	0.27	0.39	1.90
P-902	J-746	J-55	11	DI/P	150	140	0.43	0.28	0.70
P-903	J-746	J-109	66	CI/R/DI	100	140	0.40	0.58	3.90
P-904	J-649	J-747	257	DI/E	300	130	0.77	0.13	0.10
P-905	J-747	J-742	110	DI/E	300	130	-0.47	0.08	0.00
P-906	J-747	J-399	3	DI/P	150	140	1.24	0.81	5.50
P-907	J-748	J-591	6	DI/P	200	140	0.43	0.16	0.20
P-908	J-660	J-654	280	DI/P	300	140	6.11	1.00	3.00
P-909	J-748	J-749	105	DI/E	300	130	5.68	0.93	3.00
P-910	J-749	J-170	4	CI/R/DI	100	140	0.60	0.89	9.40
P-911	J-749	J-750	139	DI/E	300	130	5.08	0.83	2.40
P-912	J-750	J-356	41	DI/P	150	140	1.09	0.71	3.60
P-913	J-750	J-751	177	DI/E	300	130	3.99	0.65	1.50
P-914	J-751	J-495	6	CI/R/DI	150	140	1.21	0.79	4.80
P-915	J-751	J-752	236	DI/E	300	130	2.78	0.46	0.80
P-916	J-730	J-752	322	DI/E	300	130	-0.92	0.15	0.10
P-917	J-752	J-733	5	CI/R/DI	200	140	0.82	0.30	0.60
P-918	J-752	J-753	108	DI/P	150	140	1.04	0.68	3.30
P-919	J-753	J-156	8	DI/P	150	140	0.57	0.37	1.10
P-920	J-753	J-70	69	CI/R/DI	100	140	0.44	0.65	4.90
P-921	J-381	J-382	44	CI/R/DI	100	140	-0.05	0.07	0.10
P-922	J-301	J-653	184	DI/E	200	130	-1.52	0.56	1.90
P-923	J-656	J-725	380	DI/E	150	130	0.57	0.37	1.20
P-924	J-736	J-755	298	DI/E	200	130	1.78	0.65	2.50
P-925	J-755	J-656	150	DI/E	200	130	0.57	0.21	0.30
P-926	J-755	J-722	7	DI/P	150	140	0.98	0.64	3.20
P-927	J-663	J-756	58	DI/P	400	140	10.83	1.00	2.20
P-928	J-653	J-757	226	DI/E	200	130	1.78	0.65	2.50
P-929	J-757	J-736	212	DI/E	200	130	1.78	0.65	2.50
P-930	J-110	J-758	38	DI/P	200	140	1.43	0.53	1.50
P-931	J-758	J-183	54	CI/R/DI	150	140	0.89	0.58	2.50
P-932	J-758	J-102	227	CI/R/DI	100	140	0.46	0.67	5.10
P-933	J-755	J-303	117	CI/R/DI	100	140	0.18	0.27	0.90
P-934	J-301	J-759	271	DI/P	150	140	1.14	0.75	3.90
P-935	J-759	J-446	6	CI/R/DI	100	140	0.29	0.42	2.30
P-936	J-759	J-461	172	DI/P	150	140	0.85	0.56	2.30
P-937	J-754	J-734	196	CI/R/DI	100	140	-0.08	0.11	0.20
P-938	J-235	J-760	6	DI/P	150	140	-0.99	0.65	3.30
P-939	J-760	J-735	270	CI/R/DI	100	140	0.11	0.16	0.30
P-940	J-761	J-222	35	CI/R/DI	100	140	-0.18	0.27	0.90

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-941	J-836	J-300	7	DI/P	150	140	0.79	0.52	2.20
P-942	J-760	J-763	8	DI/E	250	130	-3.60	0.85	3.60
P-943	J-763	J-764	66	DI/P	150	140	1.23	0.81	4.50
P-944	J-764	J-187	7	DI/P	150	140	0.83	0.54	2.40
P-945	J-764	J-291	163	CI/R/DI	100	140	0.33	0.49	2.90
P-946	J-6	J-765	60	DI/E	100	130	0.25	0.36	1.90
P-947	J-761	J-765	34	DI/E	200	130	-2.22	0.82	3.80
P-948	J-765	J-762	33	DI/E	200	130	-1.99	0.73	3.10
P-949	J-766	J-308	33	CI/R/DI	100	140	-0.41	0.60	4.10
P-950	J-766	J-761	55	DI/E	200	130	-2.39	0.88	4.30
P-951	J-763	J-290	84	CI/R/DI	100	140	0.38	0.55	3.60
P-952	J-766	J-41	9	CI/R/DI	100	140	0.19	0.28	1.00
P-953	J-767	J-766	85	DI/E	200	130	-2.58	0.95	5.00
P-954	J-276	J-767	7	DI/P	150	140	-0.49	0.32	0.90
P-955	J-767	J-277	30	CI/R/DI	100	140	-0.41	0.61	4.30
P-956	J-634	J-768	110	CI/R/DI	100	140	-0.25	0.37	1.70
P-957	J-768	J-389	7	CI/R/DI	100	140	0.40	0.58	4.20
P-958	J-768	J-767	46	DI/E	200	130	-2.50	0.92	4.70
P-959	J-769	J-372	6	DI/P	200	140	1.07	0.39	1.00
P-960	J-769	J-403	102	CI/R/DI	100	140	0.36	0.53	3.30
P-961	J-583	J-770	134	CI/R/DI	100	140	-0.15	0.22	0.60
P-962	J-770	J-15	210	CI/R/DI	100	140	-0.26	0.38	1.80
P-963	J-770	J-771	134	CI/R/DI	100	140	0.02	0.04	0.00
P-964	J-702	J-772	299	CI/E	300	80	-3.52	0.58	3.00
P-965	J-773	J-652	274	DI/E	150	130	-0.72	0.47	1.90
P-966	J-773	J-251	5	DI/P	150	140	0.47	0.31	0.80
P-967	J-652	J-774	136	DI/E	200	130	-1.15	0.42	1.10
P-968	J-774	J-768	160	DI/E	200	130	-1.81	0.66	2.60
P-969	J-774	J-502	10	DI/P	150	140	0.65	0.43	1.50
P-970	J-754	J-775	228	DI/E	150	130	-0.08	0.05	0.00
P-971	J-775	J-773	222	DI/E	150	130	-0.25	0.16	0.30
P-972	J-775	J-729	3	CI/R/DI	100	140	0.17	0.24	0.90
P-973	J-47	J-777	20	DI/E	100	130	-0.28	0.42	2.50
P-974	J-777	J-10	68	DI/E	100	130	-0.20	0.30	1.30
P-975	J-777	J-573	32	DI/E	100	130	-0.13	0.19	0.60
P-976	J-573	J-778	28	DI/E	100	130	0.01	0.02	0.00
P-977	J-651	J-780	49	DI/E	200	130	0.66	0.24	0.40
P-978	J-651	J-175	98	DI/P	150	140	0.47	0.31	0.70
P-979	J-221	J-781	64	CI/R/DI	100	140	-0.04	0.06	0.10
P-980	J-781	J-217	6	DI/P	150	140	0.04	0.03	0.00
P-981	J-780	J-781	141	DI/E	150	130	0.66	0.43	1.60
P-982	J-781	J-779	119	DI/E	150	130	0.55	0.36	1.10
P-983	J-779	J-80	8	CI/R/DI	100	140	0.25	0.36	1.70
P-984	J-125	J-782	33	CI/R/DI	100	140	-0.29	0.43	2.30
P-985	J-782	J-299	20	DI/E	100	130	-0.31	0.46	3.00
P-986	J-325	J-783	30	DI/E	100	130	0.15	0.22	0.70
P-987	J-783	J-309	42	DI/E	100	130	0.02	0.02	0.00

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-988	J-783	J-368	32	DI/E	100	130	0.09	0.13	0.30
P-989	J-562	J-649	292	DI/E	150	130	-0.82	0.53	2.40
P-990	J-784	J-562	191	DI/E	100	130	-0.30	0.45	2.70
P-991	J-111	J-642	97	DI/E	100	130	0.09	0.13	0.30
P-992	J-785	J-311	7	DI/P	200	140	0.74	0.27	0.50
P-993	J-594	J-786	9	CI/R/DI	100	140	-0.11	0.16	0.40
P-994	J-786	J-787	136	CI/R/DI	100	140	0.03	0.04	0.00
P-995	J-786	J-788	8	CI/R/DI	100	140	-0.16	0.24	0.80
P-996	J-788	J-789	107	CI/R/DI	100	140	0.02	0.03	0.00
P-997	J-788	J-790	105	CI/R/DI	100	140	-0.22	0.32	1.30
P-998	J-790	J-791	47	CI/R/DI	100	140	0.01	0.01	0.00
P-999	J-790	J-792	79	CI/R/DI	100	140	-0.27	0.40	1.90
P-1000	J-792	J-617	156	CI/R/DI	100	140	-0.35	0.52	3.20
P-1001	J-792	J-793	116	CI/R/DI	100	140	0.02	0.03	0.00
P-1002	J-709	J-795	15	CI/R/DI	100	140	-0.14	0.21	0.60
P-1003	J-794	J-795	37	CI/R/DI	100	140	-0.01	0.01	0.00
P-1004	J-795	J-796	45	CI/R/DI	100	140	0.01	0.01	0.00
P-1005	J-795	J-798	17	CI/R/DI	100	140	-0.18	0.26	0.90
P-1006	J-797	J-798	45	CI/R/DI	100	140	-0.01	0.01	0.00
P-1007	J-798	J-799	35	CI/R/DI	100	140	0.01	0.01	0.00
P-1008	J-798	J-801	17	CI/R/DI	100	140	-0.21	0.31	1.20
P-1009	J-800	J-801	34	CI/R/DI	100	140	-0.01	0.01	0.00
P-1010	J-801	J-802	46	CI/R/DI	100	140	0.01	0.01	0.00
P-1011	J-801	J-804	14	CI/R/DI	100	140	-0.25	0.36	1.70
P-1012	J-803	J-804	47	CI/R/DI	100	140	-0.01	0.01	0.00
P-1013	J-804	J-805	34	CI/R/DI	100	140	0.01	0.01	0.00
P-1014	J-804	J-807	18	CI/R/DI	100	140	-0.28	0.41	2.10
P-1015	J-806	J-807	34	CI/R/DI	100	140	-0.01	0.01	0.00
P-1016	J-807	J-808	46	CI/R/DI	100	140	0.01	0.01	0.00
P-1017	J-807	J-810	21	CI/R/DI	100	140	-0.32	0.47	2.60
P-1018	J-809	J-810	47	CI/R/DI	100	140	-0.01	0.01	0.00
P-1019	J-810	J-811	34	CI/R/DI	100	140	0.01	0.01	0.00
P-1020	J-810	J-813	20	CI/R/DI	100	140	-0.35	0.52	3.20
P-1021	J-813	J-73	25	CI/R/DI	100	140	-0.37	0.55	3.50
P-1022	J-812	J-813	28	CI/R/DI	100	140	-0.01	0.01	0.00
P-1023	J-51	J-814	53	CI/R/DI	100	140	-0.20	0.29	1.10
P-1024	CMDA	J-814	48	CI/R/DI	100	140	-0.06	0.09	0.10
P-1025	J-50	J-815	48	CI/R/DI	100	140	0.44	0.65	4.80
P-1026	J-815	J-712	141	CI/R/DI	100	140	0.33	0.49	2.80
P-1027	FOOD GRAIN	J-815	22	CI/R/DI	100	140	-0.08	0.11	0.20
P-1028	J-241	J-816	347	CI/R/DI	100	140	0.09	0.13	0.20
P-1029	J-816	J-43	62	CI/R/DI	100	140	0.01	0.02	0.00
P-1030	J-817	J-98	57	CI/R/DI	100	140	0.00	0.00	0.00
P-1031	J-613	J-818	24	CI/R/DI	100	140	0.00	0.01	0.00
P-1032	J-826	J-572	176	CI/R/DI	100	140	-0.15	0.22	0.60
P-1033	J-658	IAS QUARTERS	73	CI/R/DI	100	140	0.10	0.15	0.30

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1034	J-814	J-819	175	CI/R/DI	100	140	-0.30	0.44	2.30
P-1035	J-819	J-73	51	CI/R/DI	100	140	-0.35	0.52	3.20
P-1036	J-819	J-820	38	CI/R/DI	100	140	0.01	0.01	0.00
P-1037	J-372	J-158	198	CI/R/DI	100	140	0.33	0.49	2.90
P-1038	J-158	J-600	67	CI/R/DI	100	140	0.29	0.43	2.20
P-1039	J-157	J-821	182	CI/R/DI	100	140	0.03	0.05	0.00
P-1040	J-435	J-822	54	CI/R/DI	100	140	0.03	0.05	0.00
P-1041	J-606	J-822	45	DI/E	100	130	0.02	0.03	0.00
P-1042	J-822	J-332	75	DI/E	100	130	0.02	0.03	0.00
P-1043	J-332	J-823	118	DI/E	100	130	0.02	0.03	0.00
P-1044	J-591	J-824	61	DI/E	150	130	0.02	0.01	0.00
P-1045	J-824	J-224	308	DI/E	150	130	0.00	0.00	0.00
P-1046	J-298	RADIANCE FLATS	74	DI/P	200	140	2.23	0.82	3.30
P-1047	J-89	J-826	92	CI/R/DI	100	140	-0.17	0.25	0.80
P-1048	J-826	J-30	269	CI/R/DI	100	140	-0.11	0.17	0.40
P-1049	J-675	J-827	66	CI/R/DI	100	140	-0.02	0.02	0.00
P-1050	J-827	J-676	162	CI/R/DI	100	140	-0.09	0.13	0.30
P-1051	J-827	J-817	53	CI/R/DI	100	140	0.02	0.04	0.00
P-1052	J-828	J-650	5	DI/E	300	130	6.55	1.07	5.10
P-1053	J-828	J-649	900	DI/E	300	130	1.59	0.26	0.30
P-1054	J-703	J-829	364	DI/P	150	140	1.19	0.78	4.10
P-1055	J-829	J-35	13	DI/P	150	140	0.08	0.06	0.00
P-1056	J-829	J-667	219	DI/P	150	140	0.70	0.46	1.60
P-1057	J-703	J-830	294	DI/P	250	140	4.62	1.09	4.30
P-1058	J-830	J-704	30	DI/P	250	140	3.42	0.81	2.60
P-1059	J-830	J-831	14	DI/P	200	140	1.20	0.44	1.10
P-1060	J-831	J-73	11	DI/P	150	140	0.39	0.25	0.60
P-1061	J-831	J-709	154	DI/P	150	140	0.82	0.53	2.10
P-1062	J-704	J-832	267	DI/P	250	140	3.11	0.73	2.10
P-1063	J-832	J-51	8	DI/P	150	140	0.87	0.57	2.50
P-1064	J-832	J-833	287	DI/P	250	140	2.24	0.53	1.10
P-1065	J-833	J-64	5	DI/P	100	140	0.56	0.83	8.10
P-1066	J-833	J-298	532	DI/P	200	140	1.68	0.62	1.90
P-1067	J-779	J-834	149	DI/E	100	130	0.24	0.36	1.80
P-1068	J-834	J-161	45	DI/E	100	130	0.36	0.52	3.70
P-1069	J-161	J-162	23	DI/E	100	130	0.26	0.38	2.00
P-1070	J-162	J-430	166	DI/E	100	130	0.01	0.02	0.00
P-1071	J-430	J-172	49	DI/E	100	130	-0.16	0.24	0.90
P-1072	J-784	J-172	24	CI/R/DI	100	140	0.20	0.29	1.10
P-1073	J-702	J-835	35	DI/P	200	140	2.30	0.85	3.60
P-1074	J-835	J-769	159	DI/P	200	140	1.45	0.53	1.50
P-1075	J-702	J-232	7	DI/P	150	140	1.22	0.80	4.80
P-1076	J-762	J-836	7	DI/E	200	130	-1.60	0.59	2.30
P-1077	J-836	J-760	58	DI/E	200	130	-2.40	0.88	4.40
P-1078	J-706	J-837	10	CI/R/DI	100	140	0.58	0.86	8.30
P-1079	J-837	J-699	160	CI/R/DI	100	140	0.29	0.43	2.20

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1080	J-517	J-449	154	DI/P	150	140	0.40	0.26	0.60
P-1081	J-711	J-838	106	DI/P	200	140	1.79	0.66	2.20
P-1082	J-838	J-785	58	DI/P	200	140	1.27	0.47	1.20
P-1083	J-838	J-839	141	DI/P	150	140	0.52	0.34	0.90
P-1084	J-839	J-455	5	DI/P	150	140	-0.02	0.02	0.00
P-1085	J-839	J-233	92	DI/P	150	140	0.55	0.36	1.00
P-1086	J-674	FCV-1(W-127)	9	DI/P	300	140	7.73	1.26	5.50
P-1087	FCV-1(W-127)	J-636	5	DI/P	300	140	7.73	1.26	6.20
P-1088	J-659	FCV-2(W-127)	11	CI/E	300	80	5.01	0.82	6.00
P-1089	FCV-2(W-127)	J-772	5	CI/E	300	80	5.01	0.82	6.40
P-1090	J-698	FCV-3(W-127)	10	DI/P	200	140	3.01	1.11	6.30
P-1091	FCV-3(W-127)	J-517	3	DI/P	200	140	3.01	1.11	7.70
P-1092	J-664	FCV-4(W-127)	5	CI/E	300	80	2.88	0.47	2.30
P-1093	FCV-4(W-127)	J-711	2	CI/E	300	80	2.88	0.47	2.60
P-1094	J-661	FCV-5(W-128)	163	DI/E	300	130	8.14	1.33	5.80
P-1095	FCV-5(W-128)	J-828	6	DI/E	300	130	8.14	1.33	7.40
P-1096	J-654	FCV-6(W-128)	230	DI/E	300	130	6.11	1.00	3.40
P-1097	FCV-6(W-128)	J-748	5	DI/E	300	130	6.11	1.00	4.40
P-1098	J-756	FCV-7(W-128)	472	DI/P	300	140	5.24	0.86	2.20
P-1099	FCV-7(W-128)	J-763	9	DI/P	300	140	5.24	0.86	2.60
P-1100	J-756	FCV-8(W-128)	9	DI/P	400	140	5.60	0.52	0.80
P-1101	FCV-8(W-128)	J-653	3	DI/P	400	140	5.60	0.52	1.10
P-1102	J-354	J-488	50	CI/R/DI	100	140	0.06	0.09	0.10
P-1103	J-249	J-250	31	CI/R/DI	100	140	0.04	0.05	0.00
P-1104	J-628	J-510	46	CI/R/DI	100	140	-0.05	0.07	0.10
P-1105	J-689	J-414	25	CI/R/DI	100	140	-0.02	0.02	0.00
P-1106	Chooliame du UGR	PMP-5	12	DI/P	900	140	41.05	0.75	0.50
P-1107	PMP-5	J-789	8	DI/P	900	140	41.05	0.75	0.50

PIPE TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1110	J-789	T-2(4ML)	8	DI/P	600	140	0.00	0.00	0.00
P-1111	J-776	SCV-1	17	CI/R/DI	100	140	-0.12	0.18	0.40
P-1112	SCV-1	J-666	643	CI/R/DI	100	140	-0.12	0.18	0.40
P-1113	J-571	SCV-2	33	CI/R/DI	100	140	0.11	0.17	0.40
P-1114	SCV-2	J-572	37	CI/R/DI	100	140	0.11	0.17	0.40
P-1115	J-541	SCV-3	33	CI/R/DI	100	140	0.01	0.02	0.00
P-1116	SCV-3	J-542	25	CI/R/DI	100	140	0.01	0.02	0.00
P-1117	J-491	SCV-4	33	CI/R/DI	100	140	-0.04	0.06	0.10
P-1118	SCV-4	J-530	286	CI/R/DI	100	140	-0.04	0.06	0.10
P-1119	J-680	SCV-5	9	CI/R/DI	100	140	-0.12	0.17	0.40
P-1120	SCV-5	J-681	45	CI/R/DI	100	140	-0.12	0.17	0.40
P-1121	J-449	SCV-6	23	CI/R/DI	100	140	0.18	0.26	0.90
P-1122	SCV-6	J-450	24	CI/R/DI	100	140	0.18	0.26	0.90
P-1123	J-113	SCV-7	8	DI/E	100	130	-0.07	0.10	0.20
P-1124	SCV-7	J-114	12	DI/E	100	130	-0.07	0.10	0.20
P-1125	J-646	SCV-8	9	CI/R/DI	100	140	-0.03	0.05	0.00
P-1126	SCV-8	J-494	173	CI/R/DI	100	140	-0.03	0.05	0.00
P-1127	J-574	SCV-9	23	CI/R/DI	100	140	-0.03	0.04	0.00
P-1128	SCV-9	J-575	46	CI/R/DI	100	140	-0.03	0.04	0.00
P-1129	J-86	SCV-10	16	CI/R/DI	100	140	-0.01	0.02	0.00
P-1130	SCV-10	J-784	15	CI/R/DI	100	140	-0.01	0.02	0.00
P-1131	J-824	SCV-11	13	CI/R/DI	100	140	0.01	0.02	0.00
P-1132	SCV-11	J-825	14	CI/R/DI	100	140	0.01	0.02	0.00
P-1133	J-320	SCV-12	13	CI/R/DI	100	140	0.01	0.02	0.00
P-1134	SCV-12	J-321	24	CI/R/DI	100	140	0.01	0.02	0.00
P-1135	J-632	SCV-13	14	CI/R/DI	100	140	-0.01	0.02	0.00
P-1136	SCV-13	J-633	20	CI/R/DI	100	140	-0.01	0.02	0.00
P-1137	J-24	SCV-14	16	CI/R/DI	100	140	0.02	0.03	0.00
P-1138	SCV-14	J-417	30	CI/R/DI	100	140	0.02	0.03	0.00
P-1139	J-63	SCV-15	67	CI/R/DI	100	140	0.14	0.21	0.60
P-1140	SCV-15	J-563	7	CI/R/DI	100	140	0.14	0.21	0.60
P-1141	J-400	SCV-16	23	CI/R/DI	100	140	-0.11	0.17	0.40
P-1142	SCV-16	J-169	23	CI/R/DI	100	140	-0.11	0.17	0.40
P-1143	T-2(4ML)	J-674	274	CI/E	900	80	43.79	0.80	1.50

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-1	11.90	0.06	18.00
J-2	12.61	0.10	14.00
J-3	12.35	0.15	14.00
J-4	9.86	0.07	22.00
J-5	9.93	0.07	21.00
J-6	12.04	0.08	18.00
J-7	12.31	0.12	14.00
J-8	10.29	0.04	22.00
J-9	10.57	0.04	22.00
J-10	12.05	0.06	15.00
J-11	12.16	0.13	17.00
J-12	10.79	0.02	20.00
J-13	12.38	0.07	16.00
J-14	12.01	0.10	17.00
J-15	11.48	0.18	21.00
J-16	12.04	0.07	15.00
J-17	10.63	0.07	20.00
J-18	12.18	0.10	15.00
J-19	11.39	0.02	20.00
J-20	11.40	0.03	20.00
J-21	10.57	0.05	21.00
J-22	10.57	0.02	21.00
J-23	12.31	0.04	16.00
J-24	12.02	0.03	16.00
J-25	12.47	0.18	17.00
J-26	12.44	0.05	14.00
J-27	12.52	0.01	14.00
J-28	12.38	0.04	14.00
J-29	12.37	0.07	14.00
J-30	10.59	0.11	21.00
J-31	12.38	0.03	15.00
J-32	12.36	0.06	15.00
J-33	12.02	0.05	16.00
J-34	12.26	0.09	17.00
J-35	10.64	0.02	22.00
J-36	12.26	0.06	17.00
J-37	12.23	0.04	17.00
J-38	10.25	0.11	21.00
J-39	12.28	0.05	16.00
J-40	12.27	0.05	16.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-41	12.06	0.10	18.00
J-42	10.42	0.18	22.00
J-43	10.62	0.01	19.00
J-44	10.86	0.03	21.00
J-45	12.31	0.03	15.00
J-46	12.16	0.05	15.00
J-47	12.18	0.04	15.00
J-48	12.03	0.06	18.00
J-49	12.06	0.08	18.00
J-50	11.32	0.05	21.00
J-51	11.41	0.11	21.00
J-52	10.53	0.13	23.00
J-53	10.46	0.04	21.00
J-54	10.56	0.05	21.00
J-55	12.05	0.06	15.00
J-56	11.21	0.14	20.00
J-57	12.26	0.05	15.00
J-58	12.28	0.04	15.00
J-59	12.19	0.10	14.00
J-60	12.11	0.01	14.00
J-61	11.38	0.07	20.00
J-62	11.27	0.04	20.00
J-63	10.43	0.04	21.00
J-64	11.55	0.11	20.00
J-65	11.65	0.18	20.00
J-66	12.03	0.05	18.00
J-67	12.04	0.01	18.00
J-68	12.03	0.08	17.00
J-69	12.37	0.07	17.00
J-70	12.36	0.06	17.00
J-71	10.74	0.03	21.00
J-72	10.75	0.03	21.00
J-73	11.79	0.07	21.00
J-74	12.31	0.05	17.00
J-75	12.33	0.06	17.00
J-76	10.88	0.03	21.00
J-77	10.25	0.08	21.00
J-78	9.72	0.03	22.00
J-79	9.71	0.01	22.00
J-80	12.35	0.02	14.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-81	12.34	0.04	14.00
J-82	12.48	0.01	14.00
J-83	12.40	0.04	14.00
J-84	10.37	0.02	22.00
J-85	10.07	0.03	22.00
J-86	12.39	0.01	14.00
J-87	9.98	0.04	21.00
J-88	9.91	0.02	21.00
J-89	10.36	0.13	21.00
J-90	10.78	0.03	21.00
J-91	10.71	0.04	21.00
J-92	10.55	0.01	21.00
J-93	10.63	0.05	21.00
J-94	11.57	0.04	20.00
J-95	11.59	0.06	20.00
J-96	11.36	0.19	20.00
J-97	10.84	0.02	20.00
J-98	10.90	0.03	20.00
J-99	10.72	0.01	20.00
J-100	10.85	0.02	20.00
J-101	11.59	0.07	19.00
J-102	11.42	0.18	19.00
J-103	12.11	0.22	15.00
J-104	10.91	0.00	21.00
J-105	10.13	0.02	22.00
J-106	10.95	0.02	20.00
J-107	10.40	0.00	21.00
J-108	12.35	0.13	14.00
J-109	12.10	0.08	15.00
J-110	10.27	0.09	22.00
J-111	10.84	0.04	21.00
J-112	10.91	0.05	21.00
J-113	9.73	0.02	22.00
J-114	9.41	0.05	22.00
J-115	9.91	0.02	21.00
J-116	9.93	0.02	21.00
J-117	10.69	0.03	21.00
J-118	10.41	0.00	21.00
J-119	10.53	0.13	20.00
J-120	10.67	0.00	20.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-121	10.63	0.04	20.00
J-122	11.65	0.04	20.00
J-123	11.46	0.02	20.00
J-124	12.15	0.06	15.00
J-125	12.16	0.07	15.00
J-126	12.13	0.07	15.00
J-127	12.16	0.04	15.00
J-128	9.97	0.03	21.00
J-129	9.94	0.03	21.00
J-130	12.63	0.15	16.00
J-131	9.90	0.00	22.00
J-132	9.93	0.02	22.00
J-133	9.73	0.04	22.00
J-134	12.26	0.04	14.00
J-135	12.11	0.10	14.00
J-136	12.63	0.07	16.00
J-137	12.76	0.01	16.00
J-138	10.13	0.03	22.00
J-139	10.13	0.02	22.00
J-140	9.97	0.02	20.00
J-141	9.92	0.00	20.00
J-142	11.45	0.04	19.00
J-143	11.53	0.00	19.00
J-144	12.42	0.01	15.00
J-145	12.41	0.06	15.00
J-146	12.83	0.07	16.00
J-147	12.34	0.09	17.00
J-148	12.32	0.04	14.00
J-149	12.34	0.13	14.00
J-150	12.30	0.01	14.00
J-151	11.73	0.05	20.00
J-152	11.97	0.00	20.00
J-153	10.04	0.04	21.00
J-154	10.39	0.02	21.00
J-155	12.34	0.04	17.00
J-156	12.30	0.06	17.00
J-157	10.41	0.07	21.00
J-158	10.63	0.06	21.00
J-159	12.37	0.05	17.00
J-160	12.24	0.06	15.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-161	12.44	0.04	14.00
J-162	12.47	0.09	14.00
J-163	10.14	0.02	22.00
J-164	10.70	0.07	21.00
J-165	9.90	0.03	21.00
J-166	10.17	0.05	21.00
J-167	10.23	0.06	21.00
J-168	9.98	0.09	21.00
J-169	12.81	0.08	17.00
J-170	12.02	0.15	18.00
J-171	12.16	0.04	15.00
J-172	12.42	0.05	14.00
J-173	12.11	0.01	17.00
J-174	12.14	0.08	17.00
J-175	12.28	0.04	15.00
J-176	12.27	0.04	15.00
J-177	10.14	0.05	21.00
J-178	12.23	0.06	17.00
J-179	12.15	0.04	17.00
J-180	12.16	0.01	17.00
J-181	9.43	0.02	23.00
J-182	9.93	0.02	22.00
J-183	10.68	0.04	21.00
J-184	9.92	0.03	21.00
J-185	12.12	0.01	17.00
J-186	12.16	0.04	17.00
J-187	12.06	0.03	18.00
J-188	12.01	0.05	18.00
J-189	12.42	0.14	15.00
J-190	12.43	0.07	15.00
J-191	10.14	0.01	22.00
J-192	11.51	0.05	19.00
J-193	11.38	0.01	19.00
J-194	12.20	0.08	15.00
J-195	12.21	0.06	15.00
J-196	10.19	0.02	22.00
J-197	10.66	0.05	21.00
J-198	12.37	0.09	14.00
J-199	12.37	0.08	15.00
J-200	12.37	0.01	15.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-201	12.28	0.13	14.00
J-202	10.29	0.02	21.00
J-203	10.52	0.05	21.00
J-204	10.89	0.03	21.00
J-205	9.87	0.03	21.00
J-206	9.92	0.01	21.00
J-207	10.26	0.01	20.00
J-208	12.74	0.01	16.00
J-209	12.60	0.05	16.00
J-210	12.24	0.06	15.00
J-211	10.83	0.10	21.00
J-212	10.15	0.06	21.00
J-213	11.87	0.01	19.00
J-214	12.31	0.07	15.00
J-215	9.99	0.01	21.00
J-216	10.10	0.04	21.00
J-217	12.31	0.05	15.00
J-218	9.96	0.08	21.00
J-219	12.29	0.07	16.00
J-220	12.25	0.09	16.00
J-221	12.32	0.08	15.00
J-222	12.03	0.05	18.00
J-223	10.14	0.02	21.00
J-224	12.06	0.00	19.00
J-225	12.04	0.06	15.00
J-226	12.14	0.07	15.00
J-227	12.26	0.10	15.00
J-228	12.29	0.07	17.00
J-229	12.25	0.07	17.00
J-230	12.16	0.01	15.00
J-231	12.19	0.12	15.00
J-232	10.88	0.05	21.00
J-233	10.17	0.02	22.00
J-234	10.61	0.05	21.00
J-235	12.03	0.04	19.00
J-236	9.79	0.02	22.00
J-237	9.89	0.01	22.00
J-238	12.38	0.09	15.00
J-239	11.67	0.04	20.00
J-240	11.08	0.01	20.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-241	9.93	0.10	20.00
J-242	12.10	0.06	17.00
J-243	11.33	0.07	20.00
J-244	9.95	0.04	21.00
J-245	9.92	0.01	21.00
J-246	12.27	0.06	15.00
J-247	12.17	0.01	14.00
J-248	11.64	0.05	19.00
J-249	12.21	0.04	16.00
J-250	12.93	0.04	16.00
J-251	12.77	0.08	16.00
J-252	12.42	0.08	15.00
J-253	11.31	0.01	20.00
J-254	11.09	0.05	20.00
J-255	12.06	0.01	19.00
J-256	12.03	0.07	20.00
J-257	12.09	0.05	18.00
J-258	12.00	0.01	18.00
J-259	12.11	0.01	17.00
J-260	12.12	0.05	17.00
J-261	12.09	0.09	18.00
J-262	12.23	0.10	15.00
J-263	9.74	0.04	20.00
J-264	12.18	0.06	15.00
J-265	11.68	0.08	19.00
J-266	11.15	0.06	19.00
J-267	12.14	0.07	15.00
J-268	12.41	0.05	16.00
J-269	12.17	0.07	15.00
J-270	12.13	0.08	17.00
J-271	12.12	0.07	17.00
J-272	11.35	0.05	20.00
J-273	12.01	0.05	17.00
J-274	12.04	0.01	17.00
J-275	12.24	0.07	15.00
J-276	12.14	0.12	17.00
J-277	12.10	0.09	18.00
J-278	12.21	0.01	17.00
J-279	12.04	0.12	18.00
J-280	12.05	0.01	18.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-281	12.36	0.01	17.00
J-282	12.31	0.04	17.00
J-283	12.00	0.06	18.00
J-284	10.56	0.05	21.00
J-285	12.27	0.12	17.00
J-286	12.43	0.07	16.00
J-287	12.04	0.07	18.00
J-288	12.37	0.05	16.00
J-289	12.04	0.05	18.00
J-290	12.03	0.07	18.00
J-291	12.06	0.17	18.00
J-292	12.00	0.05	18.00
J-293	9.76	0.03	22.00
J-294	9.78	0.03	22.00
J-295	11.33	0.05	19.00
J-296	11.61	0.02	19.00
J-297	12.41	0.10	16.00
J-298	10.10	0.10	21.00
J-299	12.14	0.05	15.00
J-300	12.02	0.10	18.00
J-301	11.88	0.09	20.00
J-302	11.19	0.11	19.00
J-303	11.69	0.13	18.00
J-304	12.44	0.01	15.00
J-305	12.47	0.07	15.00
J-306	10.46	0.04	21.00
J-307	10.55	0.04	21.00
J-308	12.02	0.06	18.00
J-309	12.45	0.05	16.00
J-310	12.56	0.06	16.00
J-311	9.43	0.05	23.00
J-312	12.03	0.07	18.00
J-313	12.10	0.02	17.00
J-314	12.18	0.05	17.00
J-315	9.82	0.01	22.00
J-316	12.03	0.10	18.00
J-317	12.00	0.09	18.00
J-318	12.88	0.01	16.00
J-319	12.20	0.07	16.00
J-320	12.07	0.12	17.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-321	12.20	0.01	17.00
J-322	12.09	0.02	17.00
J-323	10.85	0.01	21.00
J-324	12.18	0.01	17.00
J-325	12.46	0.05	16.00
J-326	10.79	0.03	22.00
J-327	11.90	0.05	18.00
J-328	11.57	0.11	19.00
J-329	12.29	0.02	15.00
J-330	12.12	0.05	17.00
J-331	12.05	0.06	18.00
J-332	10.39	0.04	21.00
J-333	9.93	0.05	22.00
J-334	9.96	0.06	22.00
J-335	10.36	0.03	22.00
J-336	12.07	0.02	15.00
J-337	12.34	0.02	16.00
J-338	12.05	0.09	16.00
J-339	12.25	0.02	14.00
J-340	10.86	0.06	21.00
J-341	10.64	0.06	21.00
J-342	9.43	0.03	22.00
J-343	9.75	0.06	22.00
J-344	12.02	0.02	18.00
J-345	11.22	0.02	19.00
J-346	11.01	0.01	20.00
J-347	11.00	0.02	20.00
J-348	12.28	0.02	15.00
J-349	12.48	0.05	14.00
J-350	12.44	0.02	14.00
J-351	11.97	0.04	19.00
J-352	11.61	0.01	20.00
J-353	10.01	0.02	21.00
J-354	12.43	0.03	14.00
J-355	12.77	0.05	13.00
J-356	12.03	0.10	18.00
J-357	9.71	0.02	22.00
J-358	9.93	0.01	21.00
J-359	12.25	0.06	16.00
J-360	10.82	0.03	20.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-361	12.74	0.06	16.00
J-362	12.44	0.09	15.00
J-363	12.46	0.17	15.00
J-364	9.88	0.02	22.00
J-365	9.92	0.05	20.00
J-366	10.00	0.06	22.00
J-367	9.91	0.04	22.00
J-368	12.86	0.08	16.00
J-369	10.59	0.01	21.00
J-370	9.96	0.06	22.00
J-371	12.32	0.02	17.00
J-372	10.46	0.05	21.00
J-373	10.37	0.03	21.00
J-374	10.80	0.05	21.00
J-375	12.00	0.11	18.00
J-376	9.43	0.05	23.00
J-377	12.19	0.07	17.00
J-378	12.50	0.05	14.00
J-379	12.42	0.05	14.00
J-380	9.97	0.05	21.00
J-381	12.09	0.11	17.00
J-382	12.06	0.12	17.00
J-383	9.48	0.05	22.00
J-384	10.48	0.04	21.00
J-385	9.98	0.05	22.00
J-386	10.81	0.03	21.00
J-387	12.12	0.02	18.00
J-388	12.13	0.18	17.00
J-389	12.16	0.11	17.00
J-390	10.38	0.03	21.00
J-391	10.57	0.01	21.00
J-392	12.12	0.02	17.00
J-393	10.29	0.06	21.00
J-394	9.42	0.05	22.00
J-395	9.47	0.04	22.00
J-396	12.03	0.02	16.00
J-397	12.48	0.06	16.00
J-398	12.45	0.06	15.00
J-399	12.44	0.09	15.00
J-400	11.08	0.09	19.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-401	10.28	0.05	21.00
J-402	11.11	0.01	20.00
J-403	10.66	0.05	21.00
J-404	11.96	0.06	19.00
J-405	10.71	0.06	20.00
J-406	9.79	0.07	22.00
J-407	9.93	0.05	22.00
J-408	9.94	0.04	22.00
J-409	12.29	0.11	17.00
J-410	12.28	0.18	17.00
J-411	10.30	0.08	22.00
J-412	12.69	0.07	16.00
J-413	12.33	0.02	16.00
J-414	9.81	0.05	21.00
J-415	12.42	0.09	15.00
J-416	9.82	0.05	20.00
J-417	12.06	0.02	16.00
J-418	10.80	0.06	21.00
J-419	10.04	0.03	22.00
J-420	11.71	0.05	20.00
J-421	9.45	0.03	23.00
J-422	9.87	0.03	22.00
J-423	12.30	0.11	15.00
J-424	12.00	0.07	15.00
J-425	12.07	0.08	15.00
J-426	11.87	0.04	20.00
J-427	11.69	0.05	20.00
J-428	12.09	0.06	18.00
J-429	12.08	0.10	18.00
J-430	12.25	0.10	14.00
J-431	9.89	0.01	22.00
J-432	12.28	0.06	17.00
J-433	12.22	0.12	17.00
J-434	9.91	0.05	22.00
J-435	9.90	0.06	22.00
J-436	11.29	0.02	19.00
J-437	11.87	0.10	19.00
J-438	12.25	0.09	15.00
J-439	12.46	0.02	14.00
J-440	9.98	0.01	22.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-441	12.36	0.08	16.00
J-442	12.14	0.07	16.00
J-443	10.80	0.04	20.00
J-444	9.96	0.04	22.00
J-445	9.99	0.01	22.00
J-446	11.57	0.13	19.00
J-447	11.95	0.04	19.00
J-448	10.39	0.06	21.00
J-449	9.76	0.07	22.00
J-450	9.82	0.04	22.00
J-451	10.59	0.05	21.00
J-452	9.94	0.06	21.00
J-453	12.05	0.02	17.00
J-454	10.79	0.04	21.00
J-455	10.33	0.03	22.00
J-456	12.23	0.10	16.00
J-457	12.37	0.20	16.00
J-458	9.96	0.06	22.00
J-459	12.20	0.10	17.00
J-460	9.77	0.03	22.00
J-461	12.00	0.14	18.00
J-462	10.32	0.06	21.00
J-463	9.88	0.08	21.00
J-464	11.22	0.04	20.00
J-465	12.07	0.06	16.00
J-466	12.62	0.08	14.00
J-467	12.46	0.09	16.00
J-468	12.31	0.02	14.00
J-469	10.10	0.03	21.00
J-470	10.31	0.04	21.00
J-471	10.20	0.04	22.00
J-472	10.91	0.04	20.00
J-473	10.41	0.05	21.00
J-474	12.79	0.02	13.00
J-475	11.16	0.05	20.00
J-476	11.80	0.00	20.00
J-477	10.68	0.10	21.00
J-478	10.73	0.09	21.00
J-479	12.10	0.14	17.00
J-480	10.23	0.02	21.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-481	12.22	0.02	17.00
J-482	12.28	0.02	15.00
J-483	12.04	0.04	15.00
J-484	10.23	0.03	21.00
J-485	10.38	0.01	22.00
J-486	9.88	0.06	22.00
J-487	9.83	0.05	22.00
J-488	12.94	0.06	13.00
J-489	9.91	0.06	22.00
J-490	10.94	0.05	20.00
J-491	9.71	0.10	22.00
J-492	12.32	0.02	14.00
J-493	10.82	0.05	21.00
J-494	9.85	0.07	22.00
J-495	12.17	0.13	18.00
J-496	12.13	0.09	17.00
J-497	12.09	0.02	17.00
J-498	12.62	0.06	16.00
J-499	12.14	0.13	17.00
J-500	12.10	0.07	17.00
J-501	12.23	0.06	16.00
J-502	12.13	0.12	17.00
J-503	11.40	0.02	20.00
J-504	9.91	0.05	21.00
J-505	9.85	0.03	21.00
J-506	12.36	0.07	16.00
J-507	12.31	0.02	16.00
J-508	11.10	0.04	21.00
J-509	10.43	0.14	22.00
J-510	9.99	0.04	22.00
J-511	9.98	0.05	22.00
J-512	10.13	0.01	22.00
J-513	10.31	0.06	21.00
J-514	12.39	0.09	16.00
J-515	12.42	0.02	14.00
J-516	9.95	0.10	22.00
J-517	9.81	0.01	22.00
J-518	12.07	0.02	17.00
J-519	12.21	0.12	17.00
J-520	12.39	0.03	17.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-521	10.03	0.05	21.00
J-522	10.95	0.09	20.00
J-523	10.62	0.01	20.00
J-524	10.36	0.05	21.00
J-525	10.59	0.05	20.00
J-526	12.25	0.11	17.00
J-527	12.70	0.15	14.00
J-528	12.34	0.02	16.00
J-529	11.62	0.14	20.00
J-530	9.92	0.08	22.00
J-531	10.94	0.07	21.00
J-532	11.98	0.05	20.00
J-533	12.28	0.02	15.00
J-534	9.97	0.01	21.00
J-535	9.96	0.01	21.00
J-536	12.85	0.09	14.00
J-537	10.69	0.01	21.00
J-538	11.74	0.02	20.00
J-539	12.21	0.03	17.00
J-540	10.55	0.05	22.00
J-541	9.66	0.14	21.00
J-542	9.52	0.01	21.00
J-543	9.96	0.05	21.00
J-544	9.79	0.04	20.00
J-545	9.77	0.04	20.00
J-546	10.07	0.03	22.00
J-547	9.91	0.06	22.00
J-548	12.06	0.03	18.00
J-549	9.71	0.04	22.00
J-550	12.23	0.02	17.00
J-551	9.46	0.04	22.00
J-552	10.10	0.05	22.00
J-553	9.89	0.06	22.00
J-554	12.02	0.03	18.00
J-555	12.19	0.02	15.00
J-556	12.15	0.12	17.00
J-557	10.56	0.06	21.00
J-558	9.89	0.04	22.00
J-559	12.20	0.03	17.00
J-560	10.41	0.06	20.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-561	12.31	0.12	16.00
J-562	12.50	0.11	14.00
J-563	10.11	0.10	21.00
J-564	12.33	0.03	17.00
J-565	10.26	0.06	21.00
J-566	12.22	0.03	17.00
J-567	12.36	0.03	17.00
J-568	12.20	0.04	15.00
J-569	11.92	0.03	19.00
J-570	11.43	0.02	21.00
J-571	10.09	0.04	21.00
J-572	10.32	0.06	21.00
J-573	12.09	0.05	15.00
J-574	12.00	0.03	16.00
J-575	12.08	0.06	15.00
J-576	11.11	0.02	20.00
J-577	12.28	0.03	17.00
J-578	10.54	0.01	22.00
J-579	10.26	0.08	21.00
J-580	12.30	0.03	16.00
J-581	11.36	0.03	19.00
J-582	12.21	0.03	15.00
J-583	10.63	0.13	21.00
J-584	11.39	0.05	20.00
J-585	12.47	0.03	14.00
J-586	9.85	0.01	21.00
J-587	9.94	0.01	22.00
J-588	9.97	0.10	21.00
J-589	12.39	0.15	14.00
J-590	12.26	0.03	17.00
J-591	11.31	0.04	19.00
J-592	11.73	0.02	20.00
J-593	10.53	0.01	21.00
J-594	11.02	0.03	20.00
J-595	12.06	0.03	15.00
J-596	10.79	0.01	21.00
J-597	11.90	0.01	20.00
J-598	12.76	0.12	14.00
J-599	12.25	0.03	17.00
J-600	10.66	0.05	20.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-601	12.28	0.09	17.00
J-602	12.05	0.03	15.00
J-603	11.15	0.12	20.00
J-604	11.82	0.03	18.00
J-605	9.72	0.02	22.00
J-606	9.92	0.02	22.00
J-607	12.36	0.04	16.00
J-608	10.48	0.02	21.00
J-609	10.90	0.02	21.00
J-610	9.95	0.04	22.00
J-611	10.71	0.06	21.00
J-612	10.35	0.01	21.00
J-613	9.93	0.06	22.00
J-614	12.07	0.04	15.00
J-615	10.02	0.02	22.00
J-616	9.78	0.02	22.00
J-617	11.91	0.07	20.00
J-618	12.87	0.10	16.00
J-619	12.11	0.04	17.00
J-620	12.27	0.09	16.00
J-621	12.00	0.02	20.00
J-622	9.94	0.08	21.00
J-623	10.94	0.03	21.00
J-624	12.13	0.06	17.00
J-625	12.27	0.07	14.00
J-626	10.93	0.03	21.00
J-627	10.87	0.07	20.00
J-628	9.93	0.02	22.00
J-629	10.66	0.04	21.00
J-630	10.31	0.04	22.00
J-631	11.42	0.04	19.00
J-632	11.04	0.04	19.00
J-633	11.06	0.04	19.00
J-634	12.04	0.06	17.00
J-635	12.06	0.07	17.00
J-636	10.30	0.06	24.00
J-637	12.53	0.05	16.00
J-638	12.06	0.06	19.00
J-639	11.93	0.07	19.00
J-640	10.72	0.03	21.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-641	10.69	0.02	22.00
J-642	10.48	0.03	21.00
J-643	10.78	0.01	21.00
J-644	10.82	0.01	21.00
J-645	10.45	0.00	21.00
J-646	9.42	0.03	22.00
J-647	9.49	0.00	22.00
J-648	9.77	0.01	22.00
J-649	12.51	0.00	15.00
J-650	12.03	0.00	16.00
J-651	12.28	0.00	15.00
J-652	12.23	0.00	17.00
J-653	10.40	0.00	21.00
J-654	10.66	0.00	21.00
J-655	9.92	0.02	22.00
J-656	12.05	0.00	18.00
J-657	10.49	0.05	22.00
J-658	10.32	0.00	21.00
J-659	10.03	0.00	23.00
J-660	9.90	0.00	22.00
J-661	12.06	0.00	17.00
J-662	9.46	0.00	23.00
J-663	10.35	0.00	22.00
J-664	9.45	0.00	23.00
J-665	9.92	0.00	22.00
J-666	10.66	0.18	22.00
J-667	10.37	0.09	22.00
J-668	10.64	0.09	21.00
J-669	10.78	0.08	22.00
J-670	10.39	0.07	21.00
J-671	10.37	0.09	21.00
J-672	11.45	0.11	20.00
J-673	11.99	0.05	19.00
J-674	10.37	0.00	24.00
J-675	10.55	0.05	21.00
J-676	10.94	0.07	20.00
J-677	10.00	0.07	21.00
J-678	9.88	0.07	22.00
J-679	9.72	0.04	21.00
J-680	9.42	0.03	22.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-681	9.95	0.05	21.00
J-682	10.38	0.06	21.00
J-683	9.83	0.00	22.00
J-684	10.63	0.07	20.00
J-685	11.42	0.07	19.00
J-686	11.36	0.05	19.00
J-687	9.77	0.01	21.00
J-688	10.74	0.04	22.00
J-689	9.81	0.02	21.00
J-690	9.77	0.00	22.00
J-691	9.75	0.01	22.00
J-692	9.76	0.01	20.00
J-693	9.72	0.01	22.00
J-694	9.72	0.00	20.00
J-695	9.77	0.01	22.00
J-696	9.75	0.02	22.00
J-697	9.77	0.04	21.00
J-698	9.85	0.00	22.00
J-699	9.84	0.05	21.00
J-700	9.91	0.02	21.00
J-701	9.51	0.01	22.00
J-702	10.86	0.00	21.00
J-703	10.55	0.06	23.00
J-704	11.73	0.00	21.00
J-705	9.48	0.08	23.00
J-706	9.84	0.01	22.00
J-707	10.18	0.01	21.00
J-708	9.94	0.02	21.00
J-709	11.91	0.00	20.00
J-710	9.91	0.01	22.00
J-711	9.58	0.01	23.00
J-712	11.42	0.09	20.00
CMRL-BULK	11.44	0.12	20.00
J-713	12.06	0.02	15.00
J-714	12.05	0.05	17.00
J-715	12.16	0.10	17.00
J-716	12.14	0.08	17.00
J-717	12.14	0.08	17.00
J-718	12.20	0.10	17.00
J-719	12.24	0.06	17.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-720	12.23	0.04	17.00
J-721	12.71	0.16	16.00
J-722	12.02	0.10	18.00
J-723	12.03	0.17	18.00
J-724	12.27	0.18	17.00
J-725	12.31	0.04	17.00
J-726	12.32	0.12	16.00
J-727	12.34	0.06	17.00
J-728	12.52	0.12	17.00
J-729	12.71	0.14	16.00
J-730	12.45	0.10	17.00
J-731	12.42	0.09	16.00
J-732	11.24	0.04	19.00
J-733	12.37	0.13	17.00
J-734	12.23	0.10	16.00
J-735	11.23	0.11	19.00
J-736	10.74	0.00	20.00
J-737	12.03	0.06	16.00
J-738	12.08	0.00	15.00
J-739	12.16	0.01	15.00
J-740	12.10	0.00	16.00
J-741	12.46	0.00	15.00
J-742	12.38	0.00	15.00
J-743	12.37	0.05	15.00
J-744	12.03	0.06	16.00
J-745	12.21	0.01	15.00
J-746	12.08	0.06	15.00
J-747	12.44	0.00	15.00
J-748	11.25	0.00	20.00
J-749	12.02	0.00	18.00
J-750	12.04	0.00	18.00
J-751	12.15	0.00	18.00
J-752	12.38	0.00	17.00
J-753	12.33	0.03	17.00
J-754	12.32	0.10	16.00
J-755	12.08	0.05	18.00
J-756	10.77	0.00	21.00
J-757	10.70	0.00	21.00
J-758	10.53	0.09	21.00
J-759	11.57	0.00	19.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-760	12.03	0.11	19.00
J-761	12.05	0.01	18.00
J-762	12.01	0.02	19.00
J-763	12.02	0.03	19.00
J-764	12.05	0.06	18.00
J-765	12.05	0.02	18.00
J-766	12.04	0.02	18.00
J-767	12.14	0.01	17.00
J-768	12.16	0.05	17.00
J-769	10.51	0.02	21.00
J-770	10.41	0.09	22.00
J-771	10.53	0.02	22.00
J-772	10.24	0.00	23.00
J-773	12.76	0.00	16.00
J-774	12.18	0.00	17.00
J-775	12.69	0.00	16.00
J-776	9.11	0.12	23.00
J-777	12.03	0.05	15.00
J-778	12.07	0.01	15.00
J-779	12.35	0.06	14.00
J-780	12.30	0.00	15.00
J-781	12.31	0.03	15.00
J-782	12.15	0.02	15.00
J-783	12.47	0.04	16.00
J-784	12.22	0.10	14.00
J-785	9.46	0.00	23.00
J-786	11.37	0.03	20.00
J-787	10.30	0.03	21.00
J-788	11.73	0.04	20.00
J-789	10.56	0.02	21.00
J-790	11.34	0.04	20.00
J-791	11.43	0.01	20.00
J-792	11.68	0.06	20.00
J-793	11.66	0.02	20.00
J-794	11.67	0.01	21.00
J-795	11.84	0.02	21.00
J-796	11.34	0.01	21.00
J-797	11.24	0.01	21.00
J-798	11.75	0.02	21.00
J-799	11.52	0.01	21.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-800	11.50	0.01	21.00
J-801	11.62	0.02	21.00
J-802	11.17	0.01	21.00
J-803	11.10	0.01	21.00
J-804	11.32	0.02	21.00
J-805	11.50	0.01	21.00
J-806	11.49	0.01	21.00
J-807	11.07	0.02	21.00
J-808	11.03	0.01	21.00
J-809	10.84	0.01	22.00
J-810	11.33	0.02	21.00
J-811	11.48	0.01	21.00
J-812	11.36	0.01	21.00
J-813	11.55	0.01	21.00
CMDA	11.39	0.06	21.00
J-814	11.64	0.04	20.00
FOOD GRAIN	11.36	0.08	20.00
J-815	11.13	0.03	21.00
J-816	10.83	0.07	19.00
J-817	10.18	0.02	21.00
J-818	10.74	0.00	21.00
IAS QUARTERS	10.88	0.10	20.00
J-819	11.63	0.05	21.00
J-820	11.71	0.01	21.00
J-821	10.58	0.03	21.00
J-822	10.07	0.03	21.00
J-823	10.67	0.02	21.00
J-824	11.39	0.01	19.00
J-825	11.60	0.01	19.00
RADIANCE FLATS	10.18	2.23	20.00
J-826	10.68	0.10	21.00
J-827	10.77	0.05	20.00
J-828	12.04	0.00	16.00
J-829	10.85	0.01	22.00
J-830	11.19	0.00	21.00
J-831	11.67	0.00	21.00
J-832	11.43	0.00	21.00
J-833	11.53	0.00	20.00
J-834	12.49	0.13	14.00
J-835	10.35	0.00	22.00

JUNCTION TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-836	12.02	0.00	19.00
J-837	9.82	0.07	22.00
J-838	9.97	0.00	22.00
J-839	10.34	0.00	22.00

RESERVOIR TABLE-CHOOLAIMEDU WDS	
Label	**Elevation (m)**
Chooliamedu UGR	3.86

TANK TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT				
Label	**Elevation (Base) (m)**	**Elevation (Minimum) (m)**	**Elevation (Initial) (m)**	**Elevation (Maximum) (m)**
CHOOLAIMEDU WDS-01 PROPOSED OHT	29.54	29.84	32	34.54

EMF TABLE-CHOOLAIMEDU WDS-01 PROPOSED OHT				
Label	**Diameter (Valve) (mm)**	**Elevation (m)**	**Referenced Pipe**	**Flow (MLD)**
EMF-1(W-127)	600	8.99	P-1007	10.04
EMF-1(W-127)	300	10.33	P-1086	7.73
EMF-1-Tank	900	0.00	P-1143	43.79
EMF-2 (W-129)	400	10.56	P-1008	12.94
EMF-2 TANK	1,600	9.41	P-947	67.05
EMF-2(W-127)	300	10.10	P-1088	5.01
EMF-3 (W-129)	400	10.82	P-1010	12.81
EMF-3(W-127)	200	9.83	P-1090	3.01
EMF-4 (W-129)	300	9.04	P-1012	5.02
EMF-4(W-127)	300	9.50	P-1092	2.88
EMF-5 (W-129)	250	9.08	P-1014	4.48
EMF-5(W-128)	300	12.06	P-1094	8.14
EMF-6 (W-130)	300	8.45	P-1016	7.64
EMF-6(W-128)	300	11.34	P-1096	6.11
EMF-7 (W-130)	450	8.16	P-1018	7.92
EMF-7(W-128)	300	12.01	P-1098	5.24
EMF-8 (W-130)	450	8.18	P-1020	6.20
EMF-8(W-128)	400	10.59	P-1100	5.60

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1	J-14	J-15	5	DI/E	100	130	-0.15	0.22	0.80
P-2	J-16	J-17	7	CI/R/DI	100	140	-0.02	0.02	0.00
P-3	J-25	J-26	5	CI/R/DI	100	140	0.00	0.00	0.00
P-4	J-27	J-28	6	CI/R/DI	100	140	-0.41	0.61	4.50
P-5	J-29	J-30	5	DI/P	100	140	-0.52	0.77	7.20
P-6	J-32	J-33	10	DI/E	100	130	0.30	0.44	2.80
P-7	J-35	J-36	8	CI/R/DI	100	140	0.20	0.29	1.20
P-8	J-38	J-39	8	CI/R/DI	100	140	0.06	0.09	0.10
P-9	J-40	J-41	9	CI/R/DI	100	140	-0.06	0.09	0.10
P-10	J-42	J-43	15	CI/R/DI	100	140	0.01	0.01	0.00
P-11	J-44	J-45	13	CI/R/DI	100	140	-0.12	0.18	0.50
P-12	J-47	J-48	11	CI/R/DI	100	140	0.26	0.39	1.90
P-13	J-51	J-52	9	CI/R/DI	100	140	-0.54	0.79	7.30
P-14	J-53	J-54	12	CI/R/DI	100	140	-0.17	0.25	0.90
P-15	J-56	J-57	10	CI/R/DI	100	140	-0.54	0.79	7.20
P-16	J-58	J-59	10	CI/R/DI	100	140	0.01	0.01	0.00
P-17	J-60	J-61	10	DI/E	100	130	-0.33	0.48	3.30
P-18	J-62	J-63	11	CI/R/DI	100	140	0.38	0.55	3.70
P-19	J-64	J-53	10	CI/R/DI	100	140	0.11	0.17	0.40
P-20	J-65	J-66	11	DI/E	150	130	0.40	0.26	0.70
P-21	J-67	J-68	11	DI/E	100	130	-0.02	0.03	0.00
P-22	J-69	J-70	14	CI/R/DI	100	140	0.16	0.24	0.80
P-23	J-71	J-72	12	CI/R/DI	100	140	-0.01	0.01	0.00
P-24	J-73	J-74	12	DI/E	100	130	0.12	0.18	0.50
P-25	J-75	J-3	12	DI/E	100	130	0.15	0.22	0.80
P-26	J-724	J-76	6	DI/P	150	140	0.55	0.36	1.10
P-27	J-77	J-78	13	CI/R/DI	100	140	0.01	0.01	0.00
P-28	J-81	J-82	14	CI/R/DI	100	140	-0.35	0.52	3.20
P-29	J-83	J-84	14	CI/R/DI	100	140	0.14	0.20	0.60
P-30	J-87	J-88	15	CI/R/DI	100	140	-0.39	0.57	3.90
P-31	J-90	J-91	15	CI/R/DI	100	140	-0.17	0.25	0.80
P-32	J-93	J-94	16	CI/R/DI	100	140	0.26	0.39	1.90
P-33	J-97	J-98	16	CI/R/DI	100	140	0.01	0.01	0.00
P-34	J-99	J-100	16	CI/R/DI	100	140	0.25	0.37	1.70
P-35	J-86	J-102	17	CI/R/DI	100	140	-0.46	0.67	5.20
P-36	J-104	J-105	18	DI/E	100	130	0.13	0.19	0.60
P-37	J-106	J-107	17	CI/R/DI	100	140	-0.32	0.48	2.80
P-38	J-108	J-109	17	DI/E	100	130	-0.31	0.45	2.80
P-39	J-28	J-112	18	CI/R/DI	100	140	-0.28	0.41	2.10
P-40	J-113	J-51	19	CI/R/DI	100	140	-0.13	0.19	0.50
P-41	J-114	J-115	18	CI/R/DI	100	140	0.01	0.01	0.00
P-42	J-213	J-116	43	CI/R/DI	100	140	0.02	0.03	0.00
P-43	J-117	J-118	16	CI/R/DI	100	140	0.01	0.01	0.00
P-44	J-119	J-120	15	CI/R/DI	100	140	-0.37	0.54	3.50
P-45	J-121	J-122	19	CI/R/DI	100	140	0.15	0.22	0.70
P-46	J-41	J-77	18	CI/R/DI	100	140	0.05	0.08	0.10
P-47	J-123	J-124	18	CI/R/DI	100	140	-0.44	0.65	4.90
P-48	J-125	J-126	19	CI/R/DI	100	140	-0.06	0.08	0.10
P-49	J-128	J-129	18	DI/E	100	130	0.09	0.13	0.30
P-50	J-130	J-131	19	CI/R/DI	100	140	0.26	0.38	1.80
P-51	J-132	J-133	19	DI/E	100	130	0.53	0.78	7.90
P-52	J-66	J-134	20	DI/E	150	130	0.42	0.28	0.70
P-53	J-19	J-24	22	DI/E	100	130	-0.51	0.75	7.30
P-54	J-137	J-138	20	CI/R/DI	100	140	0.18	0.26	0.90
P-55	J-136	J-140	26	DI/E	100	130	0.13	0.19	0.60

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-56	J-141	J-142	21	DI/E	100	130	-0.27	0.39	2.20
P-57	J-102	J-56	19	CI/R/DI	100	140	-0.42	0.63	4.60
P-58	J-143	J-144	21	DI/E	100	130	-0.28	0.42	2.50
P-59	J-146	J-147	21	CI/R/DI	100	140	0.04	0.06	0.10
P-60	J-149	J-150	21	CI/R/DI	100	140	-0.07	0.11	0.20
P-61	J-72	J-38	21	CI/R/DI	100	140	0.12	0.17	0.40
P-62	J-151	J-152	20	DI/E	100	130	-0.16	0.23	0.80
P-63	J-155	J-156	21	CI/R/DI	100	140	0.08	0.12	0.20
P-64	J-157	J-95	21	DI/E	150	130	0.60	0.39	1.40
P-65	J-31	J-104	21	DI/E	100	130	0.29	0.42	2.50
P-66	J-85	J-160	22	CI/R/DI	100	140	-0.18	0.27	1.00
P-67	J-161	J-162	22	DI/E	100	130	0.42	0.62	5.20
P-68	J-163	J-164	22	CI/R/DI	100	140	0.01	0.02	0.00
P-69	J-165	J-166	22	CI/R/DI	100	140	-0.05	0.07	0.10
P-70	J-126	J-167	22	CI/R/DI	100	140	-0.17	0.24	0.80
P-71	J-156	J-168	22	CI/R/DI	100	140	-0.02	0.02	0.00
P-72	J-169	J-170	22	CI/R/DI	100	140	-0.08	0.11	0.20
P-73	J-171	J-172	22	CI/R/DI	100	140	0.01	0.02	0.00
P-74	J-84	J-173	22	CI/R/DI	100	140	0.04	0.07	0.10
P-75	J-124	J-174	22	CI/R/DI	100	140	0.40	0.59	4.10
P-76	J-175	J-14	21	DI/E	100	130	-0.09	0.13	0.30
P-77	J-176	J-177	20	DI/E	100	130	0.00	0.00	0.00
P-78	J-87	J-179	25	CI/R/DI	100	140	0.25	0.37	1.70
P-79	J-180	J-6	23	CI/R/DI	100	140	-0.30	0.45	2.40
P-80	J-181	J-182	26	CI/R/DI	100	140	-0.14	0.21	0.60
P-81	J-183	J-79	37	DI/E	100	130	-0.40	0.58	4.50
P-82	J-186	J-187	25	CI/R/DI	100	140	0.20	0.29	1.10
P-83	J-57	J-188	25	DI/E	100	130	0.28	0.42	2.40
P-84	J-191	J-192	24	CI/R/DI	100	140	-0.56	0.82	7.50
P-85	J-194	J-195	25	CI/R/DI	100	140	0.30	0.44	2.30
P-86	J-175	J-196	24	DI/E	150	130	0.58	0.38	1.30
P-87	J-198	J-199	25	CI/R/DI	100	140	0.01	0.02	0.00
P-88	J-200	J-169	25	CI/R/DI	100	140	0.19	0.28	1.00
P-89	J-201	J-716	21	DI/E	100	130	-0.54	0.79	8.00
P-90	J-112	J-203	26	CI/R/DI	100	140	-0.18	0.26	0.90
P-91	J-204	J-205	23	DI/E	100	130	-0.50	0.74	7.10
P-92	J-256	J-206	55	CI/R/DI	100	140	0.11	0.16	0.30
P-93	J-208	J-209	25	DI/E	100	130	0.01	0.01	0.00
P-94	J-210	J-211	26	CI/R/DI	100	140	0.00	0.00	0.00
P-95	J-212	J-199	26	CI/R/DI	100	140	-0.01	0.01	0.00
P-96	J-218	J-15	26	CI/R/DI	100	140	-0.01	0.02	0.00
P-97	J-219	J-171	26	CI/R/DI	100	140	-0.01	0.02	0.00
P-98	J-82	J-221	32	CI/R/DI	100	140	-0.42	0.62	4.40
P-99	J-24	J-80	47	DI/E	100	130	-0.23	0.34	1.70
P-100	J-222	J-65	27	CI/R/DI	100	140	-0.01	0.02	0.00
P-101	J-224	J-225	27	DI/E	100	130	0.11	0.17	0.40
P-102	J-226	J-62	27	CI/R/DI	100	140	0.53	0.78	6.80
P-103	J-105	J-227	23	CI/R/DI	100	140	0.01	0.02	0.00
P-104	J-131	J-228	27	CI/R/DI	100	140	0.14	0.20	0.60
P-105	J-229	J-230	28	CI/R/DI	100	140	-0.39	0.58	3.90
P-106	J-232	J-233	28	CI/R/DI	100	140	0.29	0.42	2.20
P-107	J-234	J-235	28	CI/R/DI	100	140	0.08	0.12	0.20
P-108	J-236	J-128	28	DI/E	100	130	0.18	0.26	1.00
P-109	J-238	J-239	28	DI/E	100	130	-0.32	0.47	3.00
P-110	J-186	J-240	26	CI/R/DI	100	140	-0.17	0.25	0.80

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-111	J-203	J-241	29	DI/E	100	130	-0.07	0.11	0.20
P-112	J-242	J-243	28	CI/R/DI	100	140	0.13	0.19	0.50
P-113	J-244	J-221	28	DI/E	100	130	-0.32	0.47	3.00
P-114	J-245	J-246	28	CI/R/DI	100	140	-0.01	0.02	0.00
P-115	J-248	J-99	28	CI/R/DI	100	140	0.19	0.28	1.00
P-116	J-249	J-250	29	CI/R/DI	100	140	0.23	0.33	1.40
P-117	J-220	J-183	55	DI/E	100	130	-0.22	0.32	1.50
P-118	J-251	J-252	29	CI/R/DI	100	140	0.21	0.30	1.20
P-119	J-253	J-254	31	DI/E	100	130	-0.50	0.73	6.90
P-120	J-58	J-255	29	CI/R/DI	100	140	0.02	0.02	0.00
P-121	J-107	J-203	28	CI/R/DI	100	140	-0.36	0.53	3.30
P-122	J-260	J-261	30	DI/E	100	130	0.02	0.02	0.00
P-123	J-263	J-264	30	CI/R/DI	100	140	-0.21	0.31	1.20
P-124	J-135	J-265	30	CI/R/DI	100	140	-0.09	0.14	0.30
P-125	J-40	J-266	30	CI/R/DI	100	140	0.02	0.02	0.00
P-126	J-267	J-268	28	CI/R/DI	100	140	0.00	0.00	0.00
P-127	J-52	J-270	33	CI/R/DI	100	140	0.37	0.54	3.50
P-128	J-271	J-272	31	CI/R/DI	100	140	0.04	0.05	0.00
P-129	J-77	J-273	31	CI/R/DI	100	140	0.02	0.02	0.00
P-130	J-235	J-274	32	CI/R/DI	100	140	-0.02	0.03	0.00
P-131	J-275	J-276	31	CI/R/DI	100	140	0.09	0.14	0.30
P-132	J-277	J-278	30	CI/R/DI	100	140	-0.14	0.20	0.60
P-133	J-279	J-717	26	CI/R/DI	100	140	-0.49	0.72	6.00
P-134	J-280	J-281	27	CI/R/DI	100	140	0.05	0.07	0.10
P-135	J-152	J-282	35	DI/E	100	130	-0.26	0.39	2.10
P-136	J-283	J-284	32	CI/R/DI	100	140	0.14	0.21	0.60
P-137	J-285	J-286	32	CI/R/DI	100	140	0.03	0.05	0.00
P-138	J-289	J-290	32	CI/R/DI	100	140	0.22	0.32	1.30
P-139	J-291	J-49	32	CI/R/DI	100	140	-0.05	0.07	0.10
P-140	J-292	J-293	32	CI/R/DI	100	140	0.02	0.02	0.00
P-141	J-294	J-246	32	CI/R/DI	100	140	0.03	0.04	0.00
P-142	J-295	J-55	30	DI/E	100	130	-0.44	0.65	5.60
P-143	J-296	J-297	32	CI/R/DI	100	140	0.03	0.04	0.00
P-144	J-299	J-300	32	DI/E	100	130	0.19	0.28	1.20
P-145	J-301	J-302	32	CI/R/DI	100	140	0.02	0.02	0.00
P-146	J-279	J-303	33	CI/R/DI	100	140	0.36	0.53	3.30
P-147	J-304	J-208	33	CI/R/DI	100	140	0.03	0.04	0.00
P-148	J-96	J-175	33	DI/E	150	130	0.50	0.33	1.00
P-149	J-21	J-137	33	CI/R/DI	100	140	0.43	0.63	4.60
P-150	J-307	J-308	36	DI/E	100	130	0.26	0.38	2.00
P-151	J-309	J-87	33	CI/R/DI	100	140	-0.10	0.15	0.30
P-152	J-310	J-248	31	CI/R/DI	100	140	0.47	0.69	5.50
P-153	J-101	J-253	32	DI/E	100	130	-0.40	0.59	4.70
P-154	J-157	J-312	33	CI/R/DI	100	140	0.02	0.02	0.00
P-155	J-60	J-247	33	DI/E	100	130	-0.11	0.16	0.40
P-156	J-210	J-40	35	CI/R/DI	100	140	-0.01	0.01	0.00
P-157	J-314	J-315	33	CI/R/DI	100	140	-0.12	0.18	0.40
P-158	J-316	J-276	33	CI/R/DI	100	140	-0.22	0.32	1.30
P-159	J-272	J-317	33	CI/R/DI	100	140	-0.06	0.09	0.10
P-160	J-318	J-181	29	CI/R/DI	100	140	0.20	0.30	1.20
P-161	J-148	J-481	104	CI/R/DI	100	140	-0.07	0.10	0.20
P-162	J-320	J-321	34	CI/R/DI	100	140	0.00	0.00	0.00
P-163	J-233	J-322	34	DI/E	150	130	0.68	0.44	1.70
P-164	J-323	J-324	34	CI/R/DI	100	140	-0.02	0.02	0.00
P-165	J-150	J-224	30	DI/E	100	130	0.20	0.29	1.20

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-166	J-326	J-11	32	CI/R/DI	100	140	-0.59	0.86	8.20
P-167	J-196	J-65	35	DI/E	150	130	0.43	0.28	0.70
P-168	J-318	J-280	30	CI/R/DI	100	140	0.38	0.55	3.60
P-169	J-327	J-328	35	CI/R/DI	100	140	-0.51	0.75	6.30
P-170	J-88	J-329	34	CI/R/DI	100	140	-0.48	0.70	5.60
P-171	J-330	J-263	35	CI/R/DI	100	140	-0.18	0.26	0.90
P-172	J-326	J-332	33	CI/R/DI	100	140	0.11	0.17	0.40
P-173	J-300	J-260	36	DI/E	100	130	0.12	0.17	0.50
P-174	J-303	J-283	36	CI/R/DI	100	140	0.25	0.36	1.60
P-175	J-333	J-334	36	CI/R/DI	100	140	0.29	0.42	2.20
P-176	J-22	J-343	74	CI/R/DI	100	140	0.49	0.72	5.90
P-177	J-337	J-313	36	CI/R/DI	100	140	-0.02	0.03	0.00
P-178	J-281	J-181	30	CI/R/DI	100	140	-0.31	0.45	2.50
P-179	J-338	J-44	34	CI/R/DI	100	140	-0.02	0.02	0.00
P-180	J-339	J-214	36	CI/R/DI	100	140	-0.32	0.47	2.70
P-181	J-119	J-340	35	CI/R/DI	100	140	0.02	0.03	0.00
P-182	J-177	J-341	37	DI/E	100	130	0.45	0.66	5.80
P-183	J-239	J-342	36	DI/E	100	130	-0.40	0.58	4.50
P-184	J-315	J-223	34	CI/R/DI	100	140	-0.10	0.15	0.30
P-185	J-105	J-344	35	DI/E	100	130	0.08	0.11	0.20
P-186	J-345	J-346	37	DI/E	100	130	-0.15	0.22	0.70
P-187	J-122	J-69	36	CI/R/DI	100	140	0.23	0.34	1.40
P-188	J-208	J-347	37	CI/R/DI	100	140	0.01	0.01	0.00
P-189	J-265	J-348	37	CI/R/DI	100	140	-0.22	0.32	1.30
P-190	J-173	J-349	37	CI/R/DI	100	140	-0.02	0.02	0.00
P-191	J-350	J-351	37	CI/R/DI	100	140	-0.02	0.03	0.00
P-192	J-352	J-353	37	CI/R/DI	100	140	-0.17	0.26	0.90
P-193	J-354	J-171	37	CI/R/DI	100	140	0.07	0.10	0.20
P-194	J-26	J-355	37	CI/R/DI	100	140	-0.04	0.06	0.10
P-195	J-356	J-357	38	CI/R/DI	100	140	0.19	0.27	1.00
P-196	J-160	J-358	39	CI/R/DI	100	140	-0.21	0.31	1.20
P-197	J-359	J-316	38	CI/R/DI	100	140	-0.32	0.47	2.60
P-198	J-360	J-27	38	CI/R/DI	100	140	-0.14	0.20	0.50
P-199	J-361	J-362	38	CI/R/DI	100	140	0.02	0.03	0.00
P-200	J-363	J-117	39	DI/E	100	130	-0.17	0.26	1.00
P-201	J-34	J-32	36	CI/R/DI	100	140	0.09	0.14	0.30
P-202	J-233	J-364	39	DI/E	100	130	0.21	0.31	1.40
P-203	J-64	J-358	38	CI/R/DI	100	140	0.36	0.53	3.30
P-204	J-259	J-365	39	DI/E	100	130	0.02	0.03	0.00
P-205	J-329	J-368	36	CI/R/DI	100	140	0.02	0.03	0.00
P-206	J-274	J-369	40	CI/R/DI	100	140	0.24	0.36	1.60
P-207	J-370	J-371	39	CI/R/DI	100	140	0.02	0.03	0.00
P-208	J-372	J-373	38	CI/R/DI	100	140	0.20	0.30	1.10
P-209	J-313	J-364	39	CI/R/DI	100	140	-0.07	0.10	0.10
P-210	J-322	J-313	39	DI/E	100	130	0.03	0.04	0.00
P-211	J-374	J-375	39	DI/E	100	130	-0.04	0.06	0.10
P-212	J-376	J-377	39	CI/R/DI	100	140	0.01	0.01	0.00
P-213	J-63	J-378	39	CI/R/DI	100	140	0.21	0.31	1.20
P-214	J-379	J-380	40	DI/E	100	130	0.06	0.08	0.10
P-215	J-381	J-382	40	DI/E	100	130	-0.18	0.26	1.00
P-216	J-342	J-220	40	DI/E	100	130	0.29	0.43	2.60
P-217	J-38	J-383	40	CI/R/DI	100	140	0.02	0.03	0.00
P-218	J-95	J-384	40	CI/R/DI	100	140	0.02	0.03	0.00
P-219	J-111	J-385	40	CI/R/DI	100	140	0.00	0.00	0.00
P-220	J-114	J-58	41	CI/R/DI	100	140	0.06	0.09	0.10

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-221	J-386	J-93	39	CI/R/DI	100	140	0.42	0.62	4.40
P-222	J-387	J-388	40	CI/R/DI	100	140	-0.11	0.16	0.40
P-223	J-389	J-390	41	CI/R/DI	100	140	-0.20	0.29	1.10
P-224	J-391	J-295	41	DI/E	100	130	0.12	0.17	0.50
P-225	J-381	J-392	42	DI/E	100	130	0.35	0.51	3.60
P-226	J-393	J-394	45	CI/R/DI	100	140	0.54	0.79	7.00
P-227	J-237	J-396	41	DI/E	100	130	-0.06	0.09	0.10
P-228	J-36	J-146	42	CI/R/DI	100	140	0.10	0.15	0.30
P-229	J-230	J-376	42	CI/R/DI	100	140	-0.13	0.19	0.50
P-230	J-241	J-397	41	DI/E	100	130	-0.09	0.14	0.30
P-231	J-398	J-399	39	CI/R/DI	100	140	-0.04	0.07	0.10
P-232	J-344	J-400	42	DI/E	100	130	-0.27	0.40	2.20
P-233	J-369	J-83	42	CI/R/DI	100	140	0.12	0.18	0.50
P-234	J-202	J-80	58	DI/E	100	130	0.24	0.35	1.70
P-235	J-237	J-401	42	CI/R/DI	100	140	0.02	0.03	0.00
P-236	J-16	J-402	40	CI/R/DI	100	140	-0.21	0.30	1.20
P-237	J-773	J-301	38	CI/R/DI	100	140	0.34	0.49	2.90
P-238	J-403	J-404	42	CI/R/DI	100	140	0.16	0.24	0.80
P-239	J-405	J-406	42	DI/E	100	130	-0.04	0.06	0.10
P-240	J-232	J-106	43	CI/R/DI	100	140	-0.12	0.18	0.40
P-241	J-134	J-407	43	DI/E	150	130	0.36	0.23	0.50
P-242	J-385	J-305	43	CI/R/DI	100	140	0.00	0.00	0.00
P-243	J-168	J-408	54	CI/R/DI	100	140	-0.12	0.17	0.40
P-244	J-23	J-18	48	CI/R/DI	100	140	0.17	0.25	0.80
P-245	J-301	J-409	43	CI/R/DI	100	140	0.26	0.38	1.80
P-246	J-410	J-399	44	CI/R/DI	100	140	-0.03	0.05	0.00
P-247	J-254	J-141	42	DI/E	100	130	-0.04	0.06	0.10
P-248	J-276	J-411	67	DI/E	100	130	-0.17	0.25	0.90
P-249	J-412	J-413	44	CI/R/DI	100	140	0.05	0.08	0.10
P-250	J-415	J-2	44	CI/R/DI	100	140	-0.18	0.27	0.90
P-251	J-286	J-416	52	CI/R/DI	100	140	0.01	0.01	0.00
P-252	J-76	J-121	56	CI/R/DI	100	140	0.39	0.57	3.70
P-253	J-378	J-417	44	CI/R/DI	100	140	0.17	0.25	0.80
P-254	J-5	J-418	44	CI/R/DI	100	140	-0.28	0.41	2.00
P-255	J-51	J-356	42	CI/R/DI	100	140	0.37	0.55	3.60
P-256	J-419	J-420	48	CI/R/DI	100	140	-0.02	0.04	0.00
P-257	J-346	J-42	45	DI/E	100	130	0.09	0.14	0.30
P-258	J-421	J-299	45	CI/R/DI	100	140	0.06	0.08	0.10
P-259	J-344	J-410	41	CI/R/DI	100	140	0.06	0.09	0.10
P-260	J-388	J-422	45	CI/R/DI	100	140	-0.28	0.41	2.00
P-261	J-14	J-423	44	CI/R/DI	100	140	0.02	0.03	0.00
P-262	J-18	J-424	46	CI/R/DI	100	140	0.02	0.03	0.00
P-263	J-322	J-157	45	DI/E	150	130	0.63	0.41	1.50
P-264	J-425	J-426	45	DI/E	100	130	-0.32	0.47	3.10
P-265	J-100	J-427	45	CI/R/DI	100	140	0.02	0.02	0.00
P-266	J-428	J-429	45	DI/E	100	130	-0.18	0.26	1.00
P-267	J-430	J-155	45	CI/R/DI	100	140	0.21	0.31	1.20
P-268	J-397	J-344	49	DI/E	100	130	-0.20	0.29	1.30
P-269	J-432	J-433	61	CI/R/DI	100	140	-0.03	0.05	0.00
P-270	J-422	J-327	45	CI/R/DI	100	140	-0.44	0.64	4.70
P-271	J-18	J-296	49	CI/R/DI	100	140	0.09	0.13	0.30
P-272	J-434	J-191	44	CI/R/DI	100	140	-0.60	0.89	8.60
P-273	J-66	J-196	132	CI/R/DI	100	140	-0.09	0.13	0.20
P-274	J-205	J-435	45	CI/R/DI	100	140	0.39	0.58	3.90
P-275	J-109	J-436	46	DI/E	100	130	-0.01	0.01	0.00

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-276	J-308	J-421	46	DI/E	100	130	-0.33	0.49	3.30
P-277	J-438	J-82	46	CI/R/DI	100	140	-0.02	0.03	0.00
P-278	J-108	J-439	46	CI/R/DI	100	140	0.02	0.03	0.00
P-279	J-276	J-440	46	CI/R/DI	100	140	-0.05	0.07	0.10
P-280	J-441	J-442	46	DI/E	100	130	0.02	0.03	0.00
P-281	J-285	J-443	47	CI/R/DI	100	140	0.01	0.01	0.00
P-282	J-25	J-444	47	CI/R/DI	100	140	-0.05	0.08	0.10
P-283	J-230	J-2	47	CI/R/DI	100	140	-0.28	0.42	2.10
P-284	J-316	J-275	65	CI/R/DI	100	140	-0.17	0.25	0.80
P-285	J-445	J-446	47	CI/R/DI	100	140	0.01	0.01	0.00
P-286	J-70	J-47	45	CI/R/DI	100	140	0.19	0.29	1.10
P-287	J-400	J-19	49	DI/E	100	130	-0.39	0.57	4.40
P-288	J-246	J-447	48	CI/R/DI	100	140	-0.04	0.06	0.10
P-289	J-397	J-448	61	CI/R/DI	100	140	0.03	0.05	0.00
P-290	J-449	J-21	53	CI/R/DI	100	140	-0.35	0.52	3.20
P-291	J-144	J-433	51	DI/E	100	130	0.40	0.59	4.60
P-292	J-57	J-309	48	CI/R/DI	100	140	0.02	0.02	0.00
P-293	J-452	J-29	48	DI/E	100	130	-0.24	0.35	1.80
P-294	J-453	J-454	48	DI/E	100	130	-0.01	0.01	0.00
P-295	J-373	J-361	70	CI/R/DI	100	140	-0.26	0.38	1.80
P-296	J-455	J-415	57	CI/R/DI	100	140	-0.07	0.11	0.20
P-297	J-166	J-456	53	CI/R/DI	100	140	-0.20	0.30	1.20
P-298	J-457	J-458	49	DI/E	100	130	0.03	0.04	0.00
P-299	J-280	J-45	51	CI/R/DI	100	140	0.28	0.41	2.00
P-300	J-459	J-13	47	DI/E	100	130	0.14	0.21	0.70
P-301	J-281	J-333	54	CI/R/DI	100	140	0.30	0.44	2.30
P-302	J-200	J-409	49	CI/R/DI	100	140	-0.46	0.68	5.20
P-303	J-374	J-460	62	CI/R/DI	100	140	0.01	0.02	0.00
P-304	J-229	J-343	47	CI/R/DI	100	140	-0.01	0.01	0.00
P-305	J-415	J-376	49	CI/R/DI	100	140	0.16	0.24	0.80
P-306	J-235	J-369	71	CI/R/DI	100	140	0.18	0.26	0.90
P-307	J-286	J-445	50	CI/R/DI	100	140	0.00	0.00	0.00
P-308	J-91	J-81	50	CI/R/DI	100	140	-0.27	0.39	1.90
P-309	J-462	J-352	50	CI/R/DI	100	140	-0.03	0.04	0.00
P-310	J-410	J-463	51	CI/R/DI	100	140	0.03	0.04	0.00
P-311	J-429	J-464	50	CI/R/DI	100	140	0.03	0.04	0.00
P-312	J-61	J-466	47	DI/E	100	130	-0.08	0.12	0.20
P-313	J-142	J-238	50	DI/E	100	130	-0.36	0.53	3.80
P-314	J-467	J-468	50	CI/R/DI	100	140	0.30	0.43	2.30
P-315	J-39	J-359	51	CI/R/DI	100	140	-0.19	0.28	1.00
P-316	J-470	J-471	51	CI/R/DI	100	140	-0.07	0.11	0.20
P-317	J-472	J-473	51	CI/R/DI	100	140	-0.42	0.61	4.30
P-318	J-1	J-46	73	CI/R/DI	100	140	-0.24	0.36	1.60
P-319	J-27	J-232	52	CI/R/DI	100	140	0.23	0.34	1.40
P-320	J-341	J-256	53	DI/E	100	130	0.33	0.49	3.20
P-321	J-430	J-308	52	DI/E	100	130	-0.52	0.77	7.50
P-322	J-48	J-475	51	CI/R/DI	100	140	0.03	0.04	0.00
P-323	J-9	J-176	57	DI/E	100	130	0.35	0.51	3.50
P-324	J-167	J-476	51	CI/R/DI	100	140	-0.16	0.23	0.70
P-325	J-149	J-477	51	CI/R/DI	100	140	0.03	0.04	0.00
P-326	J-328	J-257	49	CI/R/DI	100	140	0.35	0.52	3.20
P-327	J-36	J-478	52	CI/R/DI	100	140	0.05	0.07	0.10
P-328	J-298	J-479	44	CI/R/DI	100	140	0.02	0.03	0.00
P-329	J-480	J-92	68	CI/R/DI	100	140	-0.02	0.03	0.00
P-330	J-394	J-483	52	CI/R/DI	100	140	0.21	0.31	1.20

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-331	J-484	J-123	53	CI/R/DI	100	140	-0.05	0.07	0.10
P-332	J-485	J-154	94	DI/E	100	130	0.26	0.39	2.10
P-333	J-206	J-486	53	CI/R/DI	100	140	-0.12	0.17	0.40
P-334	J-488	J-457	53	DI/E	100	130	-0.06	0.09	0.10
P-335	J-427	J-76	52	CI/R/DI	100	140	-0.12	0.17	0.40
P-336	J-490	J-178	53	CI/R/DI	100	140	-0.03	0.04	0.00
P-337	J-81	J-491	53	CI/R/DI	100	140	0.03	0.04	0.00
P-338	J-33	J-151	52	DI/E	100	130	0.16	0.24	0.90
P-339	J-475	J-242	54	CI/R/DI	100	140	0.10	0.14	0.30
P-340	J-180	J-457	73	CI/R/DI	100	140	0.18	0.26	0.90
P-341	J-417	J-393	50	CI/R/DI	100	140	-0.20	0.29	1.10
P-342	J-492	J-213	51	CI/R/DI	100	140	-0.14	0.21	0.60
P-343	J-15	J-447	54	DI/E	100	130	-0.20	0.30	1.30
P-344	J-447	J-493	54	CI/R/DI	100	140	-0.32	0.46	2.60
P-345	J-494	J-226	54	CI/R/DI	100	140	-0.25	0.37	1.70
P-346	J-133	J-244	54	DI/E	100	130	0.10	0.15	0.40
P-347	J-495	J-251	54	CI/R/DI	100	140	0.24	0.35	1.50
P-348	J-496	J-484	55	CI/R/DI	100	140	-0.39	0.57	3.80
P-349	J-216	J-498	55	DI/E	100	130	-0.11	0.16	0.40
P-350	J-499	J-494	56	CI/R/DI	100	140	0.22	0.33	1.40
P-351	J-500	J-25	55	DI/E	100	130	-0.03	0.04	0.00
P-352	J-501	J-10	56	CI/R/DI	100	140	0.38	0.56	3.60
P-353	J-361	J-435	54	CI/R/DI	100	140	-0.36	0.52	3.20
P-354	J-502	J-503	72	DI/E	100	130	0.27	0.39	2.10
P-355	J-713	J-370	52	CI/R/DI	100	140	0.38	0.56	3.60
P-356	J-182	J-190	56	CI/R/DI	100	140	-0.46	0.68	5.20
P-357	J-504	J-174	56	CI/R/DI	100	140	-0.32	0.47	2.60
P-358	J-505	J-506	57	CI/R/DI	100	140	-0.08	0.12	0.20
P-359	J-486	J-507	55	CI/R/DI	100	140	0.51	0.75	6.40
P-360	J-508	J-292	78	CI/R/DI	100	140	-0.25	0.37	1.70
P-361	J-159	J-509	52	CI/R/DI	100	140	0.07	0.11	0.20
P-362	J-334	J-510	57	CI/R/DI	100	140	0.11	0.17	0.40
P-363	J-420	J-307	57	CI/R/DI	100	140	0.54	0.80	7.10
P-364	J-511	J-42	58	CI/R/DI	100	140	-0.03	0.04	0.00
P-365	J-343	J-381	58	CI/R/DI	100	140	0.45	0.66	5.00
P-366	J-512	J-224	56	CI/R/DI	100	140	-0.03	0.04	0.00
P-367	J-495	J-10	60	CI/R/DI	100	140	-0.37	0.55	3.50
P-368	J-513	J-431	69	CI/R/DI	100	140	-0.03	0.05	0.00
P-369	J-493	J-360	58	CI/R/DI	100	140	-0.25	0.37	1.70
P-370	J-250	J-194	58	CI/R/DI	100	140	0.25	0.37	1.70
P-371	J-240	J-514	59	CI/R/DI	100	140	-0.01	0.02	0.00
P-372	J-117	J-31	65	DI/E	100	130	-0.24	0.36	1.80
P-373	J-515	J-461	57	CI/R/DI	100	140	-0.23	0.34	1.50
P-374	J-94	J-516	62	CI/R/DI	100	140	0.03	0.05	0.00
P-375	J-517	J-452	60	CI/R/DI	100	140	0.21	0.32	1.30
P-376	J-518	J-216	60	DI/E	100	130	-0.03	0.04	0.00
P-377	J-507	J-520	60	CI/R/DI	100	140	-0.01	0.01	0.00
P-378	J-399	J-449	58	CI/R/DI	100	140	-0.23	0.33	1.40
P-379	J-52	J-274	59	CI/R/DI	100	140	0.33	0.48	2.80
P-380	J-10	J-454	59	CI/R/DI	100	140	-0.48	0.71	5.60
P-381	J-503	J-236	61	DI/E	100	130	0.10	0.15	0.30
P-382	J-55	J-431	71	CI/R/DI	100	140	-0.04	0.05	0.00
P-383	J-270	J-235	61	CI/R/DI	100	140	0.17	0.25	0.80
P-384	J-522	J-48	66	CI/R/DI	100	140	-0.17	0.25	0.80
P-385	J-30	J-519	61	DI/E	100	130	0.18	0.26	1.00

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-386	J-523	J-398	81	CI/R/DI	100	140	-0.03	0.04	0.00
P-387	J-508	J-524	62	CI/R/DI	100	140	0.15	0.22	0.60
P-388	J-525	J-74	60	DI/E	100	130	-0.03	0.04	0.00
P-389	J-498	J-13	82	DI/E	100	130	-0.08	0.11	0.20
P-390	J-348	J-363	63	CI/R/DI	100	140	-0.46	0.68	5.20
P-391	J-524	J-289	62	CI/R/DI	100	140	0.25	0.36	1.60
P-392	J-527	J-207	58	CI/R/DI	100	140	0.00	0.01	0.00
P-393	J-214	J-254	60	CI/R/DI	100	140	-0.39	0.58	3.90
P-394	J-88	J-528	60	CI/R/DI	100	140	0.03	0.04	0.00
P-395	J-441	J-485	61	DI/E	100	130	-0.30	0.45	2.80
P-396	J-424	J-387	64	CI/R/DI	100	140	-0.04	0.05	0.00
P-397	J-530	J-531	92	CI/R/DI	100	140	-0.02	0.02	0.00
P-398	J-402	J-532	65	CI/R/DI	100	140	-0.22	0.32	1.30
P-399	J-482	J-319	64	CI/R/DI	100	140	0.02	0.03	0.00
P-400	J-533	J-428	68	DI/E	100	130	-0.24	0.35	1.80
P-401	J-324	J-277	62	CI/R/DI	100	140	0.10	0.14	0.30
P-402	J-534	J-259	64	DI/E	100	130	0.37	0.54	4.00
P-403	J-536	J-272	64	CI/R/DI	100	140	-0.03	0.05	0.00
P-404	J-358	J-186	65	CI/R/DI	100	140	0.08	0.12	0.20
P-405	J-366	J-114	56	CI/R/DI	100	140	0.13	0.19	0.50
P-406	J-389	J-210	65	CI/R/DI	100	140	0.05	0.08	0.10
P-407	J-537	J-91	65	CI/R/DI	100	140	-0.03	0.05	0.00
P-408	J-538	J-534	65	CI/R/DI	100	140	0.13	0.19	0.50
P-409	J-539	J-128	65	CI/R/DI	100	140	-0.03	0.05	0.00
P-410	J-540	J-529	63	CI/R/DI	100	140	-0.03	0.04	0.00
P-411	J-501	J-453	63	CI/R/DI	100	140	-0.28	0.41	2.00
P-412	J-527	J-92	61	CI/R/DI	100	140	0.10	0.14	0.30
P-413	J-61	J-102	81	CI/R/DI	100	140	-0.32	0.47	2.60
P-414	J-129	J-541	67	CI/R/DI	100	140	0.03	0.05	0.00
P-415	J-103	J-499	64	CI/R/DI	100	140	0.56	0.83	7.50
P-416	J-148	J-374	67	DI/E	100	130	0.00	0.00	0.00
P-417	J-542	J-543	90	CI/R/DI	100	140	-0.04	0.06	0.10
P-418	J-154	J-158	62	DI/E	100	130	0.19	0.27	1.10
P-419	J-492	J-386	67	CI/R/DI	100	140	0.36	0.53	3.30
P-420	J-408	J-35	67	CI/R/DI	100	140	0.03	0.04	0.00
P-421	J-544	J-425	67	CI/R/DI	100	140	-0.03	0.05	0.00
P-422	J-545	J-455	67	CI/R/DI	100	140	-0.01	0.02	0.00
P-423	J-193	J-465	68	CI/R/DI	100	140	0.30	0.44	2.30
P-424	J-390	J-41	68	CI/R/DI	100	140	0.16	0.24	0.70
P-425	J-382	J-229	68	CI/R/DI	100	140	-0.38	0.56	3.60
P-426	J-161	J-546	68	CI/R/DI	100	140	0.04	0.05	0.00
P-427	J-547	J-86	69	CI/R/DI	100	140	-0.04	0.05	0.00
P-428	J-297	J-355	69	CI/R/DI	100	140	0.11	0.16	0.40
P-429	J-211	J-90	69	CI/R/DI	100	140	-0.05	0.08	0.10
P-430	J-179	J-548	82	CI/R/DI	100	140	0.04	0.06	0.10
P-431	J-142	J-549	59	DI/E	100	130	0.03	0.04	0.00
P-432	J-631	J-111	97	CI/R/DI	100	140	-0.01	0.02	0.00
P-433	J-440	J-195	70	DI/E	100	130	-0.38	0.56	4.10
P-434	J-550	J-551	72	DI/E	100	130	-0.30	0.44	2.70
P-435	J-257	J-471	67	CI/R/DI	100	140	0.17	0.25	0.80
P-436	J-211	J-389	91	CI/R/DI	100	140	-0.05	0.07	0.10
P-437	J-195	J-16	72	CI/R/DI	100	140	-0.16	0.24	0.80
P-438	J-509	J-178	71	CI/R/DI	100	140	-0.28	0.42	2.10
P-439	J-320	J-552	71	CI/R/DI	100	140	0.04	0.05	0.00
P-440	J-287	J-488	72	DI/E	100	130	-0.20	0.30	1.30

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-441	J-488	J-553	71	DI/E	100	130	-0.24	0.35	1.80
P-442	J-354	J-521	71	CI/R/DI	100	140	-0.22	0.32	1.30
P-443	J-120	J-372	71	CI/R/DI	100	140	-0.43	0.63	4.60
P-444	J-399	J-554	74	CI/R/DI	100	140	0.04	0.06	0.00
P-445	J-555	J-418	72	CI/R/DI	100	140	-0.01	0.02	0.00
P-446	J-400	J-556	74	CI/R/DI	100	140	0.04	0.06	0.10
P-447	J-403	J-465	87	CI/R/DI	100	140	-0.29	0.43	2.20
P-448	J-557	J-449	70	CI/R/DI	100	140	-0.04	0.05	0.00
P-449	J-74	J-85	76	DI/E	100	130	0.02	0.03	0.00
P-450	J-26	J-558	95	CI/R/DI	100	140	0.02	0.03	0.00
P-451	J-559	J-560	75	CI/R/DI	100	140	-0.04	0.05	0.00
P-452	J-551	J-391	77	DI/E	100	130	-0.16	0.24	0.90
P-453	J-207	J-184	68	CI/R/DI	100	140	0.09	0.13	0.20
P-454	J-240	J-53	73	CI/R/DI	100	140	-0.24	0.35	1.50
P-455	J-249	J-396	74	CI/R/DI	100	140	0.00	0.00	0.00
P-456	J-92	J-184	68	CI/R/DI	100	140	-0.02	0.03	0.00
P-457	J-561	J-204	77	DI/E	100	130	-0.53	0.78	7.70
P-458	J-268	J-420	76	CI/R/DI	100	140	0.11	0.16	0.40
P-459	J-332	J-324	76	CI/R/DI	100	140	0.20	0.29	1.10
P-460	J-534	J-75	76	DI/E	100	130	-0.34	0.50	3.40
P-461	J-562	J-455	103	CI/R/DI	100	140	-0.02	0.03	0.00
P-462	J-158	J-563	80	CI/R/DI	100	140	0.27	0.39	1.90
P-463	J-327	J-470	97	CI/R/DI	100	140	0.00	0.00	0.00
P-464	J-188	J-179	80	CI/R/DI	100	140	-0.11	0.17	0.40
P-465	J-564	J-135	78	CI/R/DI	100	140	-0.04	0.06	0.10
P-466	J-476	J-565	78	CI/R/DI	100	140	0.04	0.06	0.10
P-467	J-241	J-279	88	CI/R/DI	100	140	-0.06	0.09	0.10
P-468	J-567	J-309	77	CI/R/DI	100	140	-0.04	0.06	0.10
P-469	J-100	J-517	82	CI/R/DI	100	140	0.16	0.24	0.80
P-470	J-21	J-568	79	CI/R/DI	100	140	0.04	0.06	0.10
P-471	J-300	J-503	137	DI/E	100	130	-0.03	0.04	0.00
P-472	J-104	J-398	95	CI/R/DI	100	140	0.09	0.13	0.30
P-473	J-33	J-569	111	CI/R/DI	100	140	0.05	0.08	0.10
P-474	J-187	J-160	101	CI/R/DI	100	140	0.05	0.08	0.10
P-475	J-56	J-570	95	CI/R/DI	100	140	0.05	0.07	0.10
P-476	J-353	J-167	85	DI/E	100	130	0.09	0.13	0.30
P-477	J-125	J-352	85	CI/R/DI	100	140	-0.06	0.09	0.10
P-478	J-231	J-285	84	CI/R/DI	100	140	0.07	0.10	0.20
P-479	J-571	J-79	78	CI/R/DI	100	140	-0.04	0.06	0.10
P-480	J-152	J-572	83	CI/R/DI	100	140	0.04	0.06	0.10
P-481	J-532	J-250	83	CI/R/DI	100	140	0.11	0.16	0.30
P-482	J-573	J-522	103	CI/R/DI	100	140	-0.05	0.08	0.10
P-483	J-194	J-402	84	CI/R/DI	100	140	-0.13	0.19	0.50
P-484	J-174	J-508	83	CI/R/DI	100	140	0.01	0.01	0.00
P-485	J-388	J-574	87	DI/E	100	130	0.09	0.13	0.30
P-486	J-575	J-576	84	CI/R/DI	100	140	0.04	0.06	0.10
P-487	J-745	J-532	81	CI/R/DI	100	140	0.44	0.64	4.70
P-488	J-577	J-80	83	CI/R/DI	100	140	-0.04	0.06	0.10
P-489	J-466	J-132	90	DI/E	100	130	0.06	0.09	0.10
P-490	J-578	J-19	82	CI/R/DI	100	140	-0.04	0.06	0.10
P-491	J-370	J-408	106	CI/R/DI	100	140	0.26	0.38	1.80
P-492	J-120	J-561	86	CI/R/DI	100	140	-0.02	0.03	0.00
P-493	J-579	J-580	86	DI/E	100	130	-0.34	0.50	3.40
P-494	J-264	J-137	85	CI/R/DI	100	140	-0.18	0.26	0.90
P-495	J-24	J-581	84	CI/R/DI	100	140	0.04	0.06	0.10

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-496	J-409	J-721	98	CI/R/DI	100	140	-0.30	0.44	2.30
P-497	J-7	J-582	87	CI/R/DI	100	140	0.40	0.59	4.00
P-498	J-158	J-441	83	DI/E	100	130	-0.19	0.28	1.10
P-499	J-17	J-238	91	CI/R/DI	100	140	0.13	0.18	0.50
P-500	J-473	J-109	85	DI/E	100	130	0.37	0.55	4.00
P-501	J-204	J-372	86	CI/R/DI	100	140	0.35	0.51	3.10
P-502	J-297	J-23	125	CI/R/DI	100	140	-0.12	0.18	0.40
P-503	J-6	J-129	89	DI/E	100	130	-0.41	0.61	4.80
P-504	J-465	J-22	143	CI/R/DI	100	140	-0.05	0.07	0.10
P-505	J-37	J-414	138	CI/R/DI	100	140	-0.13	0.19	0.50
P-506	J-243	J-472	90	CI/R/DI	100	140	-0.09	0.14	0.30
P-507	J-138	J-264	101	CI/R/DI	100	140	0.14	0.21	0.60
P-508	J-436	J-472	87	DI/E	100	130	-0.21	0.31	1.40
P-509	J-265	J-583	90	CI/R/DI	100	140	0.05	0.07	0.10
P-510	J-402	J-342	92	CI/R/DI	100	140	-0.26	0.38	1.70
P-511	J-156	J-147	90	CI/R/DI	100	140	0.03	0.04	0.00
P-512	J-584	J-126	87	CI/R/DI	100	140	-0.04	0.07	0.10
P-513	J-107	J-303	91	CI/R/DI	100	140	-0.03	0.05	0.00
P-514	J-168	J-146	91	CI/R/DI	100	140	0.02	0.03	0.00
P-515	J-331	J-139	119	CI/R/DI	100	140	-0.12	0.18	0.40
P-516	J-517	J-248	125	CI/R/DI	100	140	-0.18	0.27	1.00
P-517	J-305	J-405	93	DI/E	100	130	-0.10	0.15	0.40
P-518	J-147	J-155	110	CI/R/DI	100	140	-0.04	0.06	0.10
P-519	J-404	J-586	95	CI/R/DI	100	140	0.02	0.03	0.00
P-520	J-321	J-587	94	CI/R/DI	100	140	0.05	0.07	0.10
P-521	J-170	J-360	114	CI/R/DI	100	140	0.22	0.33	1.40
P-522	J-580	J-110	87	DI/E	100	130	-0.10	0.15	0.40
P-523	J-588	J-589	94	CI/R/DI	100	140	-0.05	0.07	0.10
P-524	J-504	J-450	95	DI/E	100	130	-0.07	0.11	0.20
P-525	J-55	J-64	92	DI/E	100	130	0.54	0.80	8.10
P-526	J-590	J-354	95	CI/R/DI	100	140	-0.05	0.07	0.10
P-527	J-283	J-591	95	CI/R/DI	100	140	0.02	0.03	0.00
P-528	J-523	J-31	93	CI/R/DI	100	140	-0.17	0.25	0.80
P-529	J-162	J-201	98	DI/E	100	130	-0.07	0.11	0.20
P-530	J-436	J-592	131	DI/E	100	130	0.07	0.10	0.20
P-531	J-189	J-560	99	CI/R/DI	100	140	0.06	0.08	0.10
P-532	J-500	J-593	98	DI/E	100	130	0.02	0.03	0.00
P-533	J-177	J-595	97	CI/R/DI	100	140	0.05	0.07	0.10
P-534	J-28	J-169	101	CI/R/DI	100	140	-0.19	0.29	1.10
P-535	J-290	J-346	117	CI/R/DI	100	140	0.34	0.50	2.90
P-536	J-561	J-596	103	CI/R/DI	100	140	0.05	0.07	0.10
P-537	J-32	J-119	102	CI/R/DI	100	140	-0.28	0.41	2.00
P-538	J-284	J-163	101	CI/R/DI	100	140	-0.03	0.05	0.00
P-539	J-268	J-201	124	CI/R/DI	100	140	-0.34	0.50	3.00
P-540	J-414	J-480	101	CI/R/DI	100	140	-0.14	0.20	0.50
P-541	J-188	J-466	129	DI/E	100	130	0.28	0.41	2.30
P-542	J-606	J-485	134	DI/E	100	130	0.17	0.26	1.00
P-543	J-75	J-538	148	CI/R/DI	100	140	0.24	0.35	1.50
P-544	J-68	J-165	103	CI/R/DI	100	140	-0.14	0.20	0.50
P-545	J-197	J-498	103	DI/E	100	130	0.15	0.22	0.80
P-546	J-540	J-138	124	CI/R/DI	100	140	0.08	0.12	0.20
P-547	J-406	J-385	104	DI/E	100	130	0.10	0.14	0.30
P-548	J-54	J-295	105	CI/R/DI	100	140	-0.47	0.69	5.40
P-549	J-404	J-415	105	CI/R/DI	100	140	0.10	0.15	0.30
P-550	J-141	J-275	108	CI/R/DI	100	140	0.14	0.21	0.60

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-551	J-202	J-589	102	CI/R/DI	100	140	0.40	0.59	4.00
P-552	J-173	J-357	105	CI/R/DI	100	140	-0.02	0.03	0.00
P-553	J-345	J-189	109	CI/R/DI	100	140	0.16	0.23	0.70
P-554	J-393	J-492	101	CI/R/DI	100	140	0.33	0.48	2.80
P-555	J-424	J-198	104	CI/R/DI	100	140	0.02	0.03	0.00
P-556	J-112	J-200	106	CI/R/DI	100	140	-0.18	0.26	0.90
P-557	J-83	J-356	106	CI/R/DI	100	140	-0.09	0.14	0.30
P-558	J-271	J-597	107	DI/E	100	130	0.05	0.08	0.10
P-559	J-231	J-445	146	CI/R/DI	100	140	0.05	0.08	0.10
P-560	J-282	J-561	108	DI/E	100	130	-0.27	0.40	2.30
P-561	J-348	J-526	139	CI/R/DI	100	140	0.12	0.18	0.40
P-562	J-417	J-213	105	CI/R/DI	100	140	0.27	0.39	1.90
P-563	J-270	J-426	108	DI/E	100	130	0.10	0.14	0.30
P-564	J-429	J-450	109	DI/E	100	130	-0.30	0.45	2.70
P-565	J-363	J-526	108	DI/E	100	130	0.35	0.52	3.60
P-566	J-349	J-121	105	CI/R/DI	100	140	-0.14	0.21	0.60
P-567	J-560	J-533	109	CI/R/DI	100	140	-0.12	0.18	0.40
P-568	J-263	J-523	110	CI/R/DI	100	140	-0.05	0.08	0.10
P-569	J-170	J-267	110	CI/R/DI	100	140	-0.23	0.34	1.40
P-570	J-357	J-349	145	CI/R/DI	100	140	0.02	0.03	0.00
P-571	J-598	J-327	114	CI/R/DI	100	140	-0.02	0.03	0.00
P-572	J-599	J-521	112	CI/R/DI	100	140	-0.06	0.08	0.10
P-573	J-291	J-18	109	CI/R/DI	100	140	-0.01	0.02	0.00
P-574	J-304	J-600	113	CI/R/DI	100	140	0.02	0.03	0.00
P-575	J-456	J-381	113	CI/R/DI	100	140	-0.24	0.35	1.50
P-576	J-476	J-262	108	CI/R/DI	100	140	-0.32	0.47	2.60
P-577	J-601	J-23	114	CI/R/DI	100	140	0.46	0.67	5.10
P-578	J-602	J-603	120	CI/R/DI	100	140	-0.06	0.09	0.10
P-579	J-69	J-84	113	CI/R/DI	100	140	-0.02	0.02	0.00
P-580	J-5	J-304	116	DI/E	100	130	0.10	0.14	0.30
P-581	J-422	J-604	115	CI/R/DI	100	140	0.02	0.03	0.00
P-582	J-34	J-580	115	DI/E	100	130	0.38	0.56	4.20
P-583	J-605	J-330	118	CI/R/DI	100	140	-0.06	0.09	0.10
P-584	J-499	J-501	115	CI/R/DI	100	140	0.22	0.32	1.30
P-585	J-391	J-317	116	DI/E	100	130	0.27	0.40	2.20
P-586	J-471	J-482	120	CI/R/DI	100	140	0.05	0.07	0.10
P-587	J-257	J-223	178	CI/R/DI	100	140	0.13	0.20	0.50
P-588	J-606	J-205	118	DI/E	100	130	0.34	0.50	3.40
P-589	J-23	J-49	118	DI/E	100	130	0.10	0.14	0.30
P-590	J-103	J-453	117	DI/E	100	130	0.38	0.57	4.30
P-591	J-369	J-47	119	CI/R/DI	100	140	0.16	0.23	0.70
P-592	J-607	J-228	122	CI/R/DI	100	140	-0.06	0.09	0.10
P-593	J-608	J-130	122	CI/R/DI	100	140	-0.06	0.09	0.10
P-594	J-551	J-271	143	CI/R/DI	100	140	0.22	0.33	1.40
P-595	J-70	J-468	130	CI/R/DI	100	140	-0.13	0.19	0.50
P-596	J-288	J-430	124	DI/E	100	130	-0.20	0.29	1.20
P-597	J-68	J-481	124	DI/E	100	130	0.07	0.11	0.20
P-598	J-339	J-524	160	CI/R/DI	100	140	0.24	0.35	1.50
P-599	J-278	J-326	124	CI/R/DI	100	140	-0.17	0.24	0.80
P-600	J-269	J-550	122	DI/E	100	130	-0.35	0.52	3.60
P-601	J-610	J-145	130	CI/R/DI	100	140	-0.07	0.10	0.10
P-602	J-611	J-388	129	CI/R/DI	100	140	-0.02	0.03	0.00
P-603	J-267	J-774	120	CI/R/DI	100	140	-0.36	0.53	3.30
P-604	J-470	J-319	144	CI/R/DI	100	140	0.02	0.03	0.00
P-605	J-190	J-11	121	CI/R/DI	100	140	0.24	0.36	1.60

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-606	J-192	J-282	126	CI/R/DI	100	140	-0.19	0.28	1.00
P-607	J-395	J-612	129	DI/E	100	130	0.06	0.09	0.10
P-608	J-122	J-467	134	CI/R/DI	100	140	-0.18	0.26	0.90
P-609	J-93	J-613	126	CI/R/DI	100	140	0.06	0.09	0.10
P-610	J-585	J-166	131	CI/R/DI	100	140	-0.12	0.18	0.40
P-611	J-296	J-614	131	CI/R/DI	100	140	0.02	0.04	0.00
P-612	J-288	J-478	131	CI/R/DI	100	140	-0.17	0.24	0.80
P-613	J-514	J-54	161	CI/R/DI	100	140	-0.16	0.24	0.80
P-614	J-615	J-379	133	DI/E	100	130	-0.07	0.10	0.20
P-615	J-197	J-579	136	DI/E	100	130	-0.27	0.39	2.20
P-616	J-616	J-63	137	CI/R/DI	100	140	-0.07	0.10	0.20
P-617	J-553	J-421	145	CI/R/DI	100	140	-0.38	0.56	3.60
P-618	J-260	J-236	151	DI/E	100	130	-0.01	0.01	0.00
P-619	J-617	J-618	136	CI/R/DI	100	140	0.07	0.10	0.20
P-620	J-35	J-294	168	CI/R/DI	100	140	-0.29	0.43	2.30
P-621	J-619	J-183	137	CI/R/DI	100	140	-0.07	0.10	0.10
P-622	J-39	J-101	160	CI/R/DI	100	140	0.15	0.22	0.60
P-623	J-72	J-440	142	DI/E	100	130	-0.21	0.30	1.30
P-624	J-589	J-529	142	CI/R/DI	100	140	0.18	0.27	0.90
P-625	J-113	J-620	141	CI/R/DI	100	140	0.07	0.11	0.20
P-626	J-461	J-310	142	DI/E	100	130	-0.03	0.04	0.00
P-627	J-252	J-386	141	CI/R/DI	100	140	0.12	0.18	0.40
P-628	J-621	J-336	138	CI/R/DI	100	140	-0.07	0.10	0.20
P-629	J-251	J-505	145	DI/E	100	130	0.19	0.28	1.20
P-630	J-622	J-497	138	CI/R/DI	100	140	-0.07	0.10	0.20
P-631	J-444	J-623	146	CI/R/DI	100	140	0.03	0.04	0.00
P-632	J-332	J-182	142	CI/R/DI	100	140	-0.21	0.31	1.20
P-633	J-522	J-243	193	CI/R/DI	100	140	-0.06	0.09	0.10
P-634	J-624	J-437	137	CI/R/DI	100	140	-0.07	0.10	0.20
P-635	J-563	J-159	147	CI/R/DI	100	140	0.47	0.69	5.40
P-636	J-506	J-495	146	CI/R/DI	100	140	-0.25	0.36	1.60
P-637	J-353	J-20	138	DI/E	100	130	-0.39	0.58	4.40
P-638	J-253	J-359	150	CI/R/DI	100	140	-0.01	0.02	0.00
P-639	J-392	J-165	149	CI/R/DI	100	140	0.14	0.20	0.60
P-640	J-259	J-502	149	DI/E	100	130	0.19	0.28	1.20
P-641	J-1	J-136	144	CI/R/DI	100	140	0.16	0.24	0.70
P-642	J-185	J-269	252	CI/R/DI	100	140	0.05	0.08	0.10
P-643	J-509	J-527	151	CI/R/DI	100	140	0.22	0.33	1.40
P-644	J-10	J-515	151	CI/R/DI	100	140	0.32	0.47	2.60
P-645	J-425	J-144	153	DI/E	100	130	0.15	0.23	0.80
P-646	J-454	J-461	153	DI/E	100	130	0.38	0.56	4.20
P-647	J-625	J-504	158	DI/E	100	130	-0.24	0.36	1.80
P-648	J-159	J-207	152	CI/R/DI	100	140	0.23	0.33	1.40
P-649	J-435	J-563	150	CI/R/DI	100	140	-0.08	0.12	0.20
P-650	J-143	J-335	147	CI/R/DI	100	140	0.35	0.52	3.20
P-651	J-574	J-297	155	CI/R/DI	100	140	0.03	0.05	0.00
P-652	J-426	J-143	173	DI/E	100	130	0.24	0.35	1.80
P-653	J-627	J-483	180	CI/R/DI	100	140	-0.09	0.13	0.30
P-654	J-451	J-108	176	DI/E	100	130	-0.16	0.24	0.80
P-655	J-375	J-67	161	DI/E	100	130	-0.08	0.12	0.20
P-656	J-481	J-585	160	CI/R/DI	100	140	-0.07	0.10	0.10
P-657	J-234	J-475	159	CI/R/DI	100	140	0.20	0.30	1.10
P-658	J-405	J-60	279	DI/E	100	130	-0.27	0.40	2.20
P-659	J-413	J-496	162	DI/E	100	130	-0.21	0.31	1.40
P-660	J-628	J-8	156	CI/R/DI	100	140	-0.08	0.12	0.20

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-661	J-505	J-76	164	DI/E	100	130	0.09	0.13	0.30
P-662	J-380	J-631	172	DI/E	100	130	0.13	0.18	0.50
P-663	J-379	J-244	164	DI/E	100	130	-0.29	0.43	2.60
P-664	J-392	J-67	232	DI/E	100	130	0.13	0.20	0.60
P-665	J-176	J-4	167	DI/E	100	130	0.22	0.32	1.50
P-666	J-242	J-234	210	CI/R/DI	100	140	-0.18	0.27	0.90
P-667	J-221	J-380	170	DI/E	100	130	0.32	0.47	3.00
P-668	J-738	J-249	202	CI/R/DI	100	140	0.38	0.56	3.60
P-669	J-382	J-46	157	DI/E	100	130	0.15	0.22	0.80
P-670	J-755	J-550	223	DI/E	100	130	0.26	0.38	2.00
P-671	J-414	J-582	166	CI/R/DI	100	140	-0.19	0.29	1.00
P-672	J-341	J-131	171	CI/R/DI	100	140	-0.01	0.02	0.00
P-673	J-418	J-422	179	CI/R/DI	100	140	-0.07	0.10	0.20
P-674	J-494	J-495	173	CI/R/DI	100	140	0.33	0.49	2.80
P-675	J-239	J-292	176	CI/R/DI	100	140	0.41	0.60	4.10
P-676	J-226	J-251	174	DI/E	100	130	0.36	0.53	3.80
P-677	J-473	J-325	171	CI/R/DI	100	140	0.22	0.33	1.30
P-678	J-434	J-579	175	DI/E	100	130	0.12	0.18	0.50
P-679	J-375	J-140	194	DI/E	100	130	-0.03	0.04	0.00
P-680	J-290	J-339	186	CI/R/DI	100	140	-0.28	0.42	2.10
P-681	J-633	J-287	362	CI/R/DI	100	140	-0.18	0.27	0.90
P-682	J-269	J-149	243	CI/R/DI	100	140	0.11	0.16	0.30
P-683	J-97	J-247	194	DI/E	100	130	-0.11	0.17	0.40
P-684	J-634	J-3	216	DI/E	100	130	-0.11	0.16	0.40
P-685	J-132	J-406	216	DI/E	100	130	0.32	0.47	3.00
P-686	J-7	J-480	203	CI/R/DI	100	140	0.30	0.44	2.30
P-687	J-459	J-434	217	CI/R/DI	100	140	-0.27	0.39	1.90
P-688	J-412	J-123	220	DI/E	100	130	-0.25	0.37	2.00
P-689	J-478	J-407	223	CI/R/DI	100	140	-0.18	0.27	0.90
P-690	J-89	J-474	510	CI/R/DI	100	140	-0.02	0.03	0.00
P-691	J-124	J-220	226	DI/E	100	130	-0.36	0.52	3.70
P-692	J-420	J-493	230	CI/R/DI	100	140	0.25	0.37	1.70
P-693	J-474	J-231	266	CI/R/DI	100	140	0.21	0.32	1.30
P-694	J-447	J-307	231	DI/E	100	130	-0.12	0.18	0.50
P-695	J-150	J-543	249	CI/R/DI	100	140	-0.41	0.61	4.30
P-696	J-73	J-535	268	DI/E	100	130	-0.43	0.63	5.20
P-697	J-46	J-601	706	CI/R/DI	100	140	-0.26	0.38	1.80
P-698	J-111	J-133	312	DI/E	100	130	-0.24	0.35	1.70
P-699	J-431	J-44	378	CI/R/DI	100	140	-0.32	0.47	2.70
P-700	J-94	J-617	10	CI/R/DI	100	140	0.19	0.28	1.00
P-701	J-617	J-113	22	CI/R/DI	100	140	0.03	0.05	0.00
P-702	J-106	J-591	11	CI/R/DI	100	140	0.17	0.25	0.80
P-703	J-591	J-163	31	CI/R/DI	100	140	0.12	0.18	0.40
P-704	J-1	J-609	115	CI/R/DI	100	140	0.02	0.03	0.00
P-705	J-2	J-22	50	CI/R/DI	100	140	-0.42	0.62	4.50
P-706	J-2	J-403	108	CI/R/DI	100	140	-0.08	0.12	0.20
P-707	J-3	J-161	53	DI/E	100	130	-0.10	0.15	0.40
P-708	J-4	J-130	42	CI/R/DI	100	140	-0.26	0.38	1.80
P-709	J-521	J-4	61	CI/R/DI	100	140	-0.14	0.20	0.60
P-710	J-192	J-606	218	CI/R/DI	100	140	-0.54	0.80	7.10
P-711	J-574	J-5	88	DI/E	100	130	0.00	0.00	0.00
P-712	J-444	J-5	61	CI/R/DI	100	140	-0.12	0.18	0.50
P-713	J-553	J-6	80	DI/E	100	130	-0.01	0.02	0.00
P-714	J-178	J-7	24	CI/R/DI	100	140	-0.38	0.56	3.70
P-715	J-418	J-531	25	CI/R/DI	100	140	-0.28	0.41	2.10

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-716	J-531	J-314	49	CI/R/DI	100	140	-0.33	0.48	2.70
P-717	J-437	J-325	208	CI/R/DI	100	140	-0.24	0.36	1.60
P-718	J-325	J-451	83	CI/R/DI	100	140	0.38	0.56	3.70
P-719	J-451	J-497	53	CI/R/DI	100	140	0.39	0.57	3.80
P-720	J-497	J-336	70	CI/R/DI	100	140	0.18	0.27	1.00
P-721	J-336	J-335	36	CI/R/DI	100	140	-0.01	0.01	0.00
P-722	J-335	J-367	96	CI/R/DI	100	140	0.20	0.30	1.10
P-723	J-367	J-366	39	CI/R/DI	100	140	0.45	0.66	4.90
P-724	J-366	J-145	40	CI/R/DI	100	140	0.25	0.37	1.70
P-725	J-262	J-20	74	CI/R/DI	100	140	-0.41	0.60	4.20
P-726	J-20	J-298	32	CI/R/DI	100	140	-0.01	0.01	0.00
P-727	J-298	J-8	131	CI/R/DI	100	140	-0.13	0.19	0.50
P-728	J-8	J-487	170	CI/R/DI	100	140	-0.44	0.65	4.80
P-729	J-489	J-185	307	CI/R/DI	100	140	-0.07	0.10	0.20
P-730	J-526	J-603	20	CI/R/DI	100	140	0.34	0.49	2.90
P-731	J-603	J-469	42	CI/R/DI	100	140	0.18	0.27	0.90
P-732	J-278	J-635	31	CI/R/DI	100	140	-0.06	0.09	0.10
P-733	J-635	J-636	105	CI/R/DI	100	140	-0.13	0.19	0.50
P-734	J-636	J-326	36	CI/R/DI	100	140	-0.20	0.29	1.10
P-735	J-334	J-637	36	CI/R/DI	100	140	0.11	0.16	0.40
P-736	J-637	J-638	56	CI/R/DI	100	140	0.07	0.10	0.10
P-737	J-638	J-510	33	CI/R/DI	100	140	0.02	0.03	0.00
P-738	J-601	J-639	191	CI/R/DI	100	140	0.04	0.05	0.00
P-739	J-275	J-411	34	CI/R/DI	100	140	-0.24	0.35	1.50
P-740	J-411	J-17	45	DI/E	100	130	-0.48	0.70	6.40
P-741	J-101	J-345	385	CI/R/DI	100	140	0.27	0.39	1.90
P-742	J-640	J-452	197	CI/R/DI	100	140	-0.11	0.16	0.40
P-743	J-452	J-641	145	CI/R/DI	100	140	0.12	0.17	0.40
P-744	J-642	J-29	139	CI/R/DI	100	140	-0.19	0.28	1.00
P-745	J-519	J-643	134	CI/R/DI	100	140	0.17	0.25	0.80
P-746	J-467	J-644	128	CI/R/DI	100	140	0.17	0.25	0.80
P-747	J-468	J-645	124	CI/R/DI	100	140	0.01	0.02	0.00
P-748	J-469	J-646	117	CI/R/DI	100	140	0.06	0.09	0.10
P-749	J-284	J-647	106	CI/R/DI	100	140	0.05	0.08	0.10
P-750	J-364	J-648	106	DI/E	100	130	0.05	0.08	0.10
P-751	J-96	J-649	50	DI/E	100	130	0.03	0.04	0.00
P-752	J-650	J-134	65	CI/R/DI	100	140	-0.03	0.05	0.00
P-753	J-407	J-651	59	CI/R/DI	100	140	0.03	0.04	0.00
P-754	J-652	J-489	166	CI/R/DI	100	140	-0.08	0.12	0.20
P-755	J-317	J-653	144	DI/E	100	130	0.07	0.10	0.20
P-756	J-514	J-654	47	CI/R/DI	100	140	0.02	0.03	0.00
P-757	J-187	J-655	85	CI/R/DI	100	140	0.04	0.06	0.10
P-758	J-85	J-656	162	CI/R/DI	100	140	0.08	0.12	0.20
P-759	J-329	J-657	37	CI/R/DI	100	140	-0.55	0.81	7.20
P-760	J-510	J-658	90	CI/R/DI	100	140	0.05	0.07	0.10
P-761	J-351	J-659	50	CI/R/DI	100	140	-0.43	0.63	4.50
P-762	J-660	J-535	108	DI/E	100	130	0.33	0.48	3.10
P-763	J-277	J-658	74	CI/R/DI	100	140	0.16	0.23	0.70
P-764	J-658	J-320	35	CI/R/DI	100	140	0.11	0.16	0.30
P-765	J-659	J-321	63	CI/R/DI	100	140	0.14	0.20	0.50
P-766	J-660	J-659	31	CI/R/DI	100	140	-0.39	0.58	3.90
P-767	J-387	J-661	151	CI/R/DI	100	140	0.03	0.04	0.00
P-768	J-355	J-662	56	CI/R/DI	100	140	0.04	0.06	0.10
P-769	J-662	J-500	39	DI/E	100	130	0.02	0.03	0.00
P-770	J-193	J-663	64	CI/R/DI	100	140	0.06	0.09	0.10

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-771	J-663	J-315	60	DI/E	100	130	0.04	0.06	0.10
P-772	J-664	J-665	308	DI/E	150	130	-0.47	0.31	0.90
P-773	J-299	J-666	104	CI/R/DI	100	140	-0.23	0.33	1.40
P-774	J-666	J-162	151	DI/E	100	130	-0.36	0.53	3.70
P-775	J-535	J-667	25	DI/E	100	130	-0.30	0.44	2.70
P-776	J-667	J-351	57	CI/R/DI	100	140	-0.34	0.50	2.90
P-777	J-45	J-668	57	DI/E	100	130	0.10	0.14	0.30
P-778	J-668	J-333	35	CI/R/DI	100	140	0.05	0.08	0.10
P-779	J-191	J-669	119	CI/R/DI	100	140	-0.14	0.20	0.50
P-780	J-669	J-151	91	DI/E	100	130	-0.24	0.35	1.80
P-781	J-670	J-671	85	DI/E	100	130	-0.04	0.06	0.10
P-782	J-671	J-256	83	CI/R/DI	100	140	-0.13	0.19	0.50
P-783	J-629	J-672	86	DI/E	100	130	-0.04	0.06	0.10
P-784	J-672	J-206	78	CI/R/DI	100	140	-0.13	0.19	0.50
P-785	J-486	J-673	66	CI/R/DI	100	140	0.12	0.18	0.40
P-786	J-673	J-626	87	DI/E	100	130	0.04	0.06	0.10
P-787	J-507	J-674	70	CI/R/DI	100	140	0.42	0.62	4.50
P-788	J-520	J-675	65	CI/R/DI	100	140	0.13	0.20	0.50
P-789	J-675	J-630	100	DI/E	100	130	0.05	0.07	0.10
P-790	J-674	J-676	107	DI/E	100	130	0.33	0.49	3.30
P-791	J-676	J-575	100	CI/R/DI	100	140	0.23	0.34	1.40
P-792	J-139	J-677	289	DI/E	100	130	0.05	0.08	0.10
P-793	J-582	J-681	117	CI/R/DI	100	140	0.03	0.04	0.00
P-794	J-34	J-681	11	DI/E	100	130	0.36	0.53	3.80
P-795	J-681	J-37	111	DI/E	100	130	0.27	0.39	2.20
P-796	J-679	J-682	139	CI/E	525	80	-14.12	0.76	2.60
P-797	J-682	J-771	490	CI/E	450	80	-14.12	1.03	5.50
P-798	J-685	J-687	748	DI/E	300	130	5.25	0.86	2.60
P-799	J-313	J-686	17	DI/E	100	130	0.01	0.01	0.00
P-800	J-153	J-148	266	CI/R/DI	100	140	0.01	0.02	0.00
P-801	J-688	J-601	7	DI/P	150	140	0.94	0.61	3.00
P-802	J-685	J-22	7	DI/P	250	140	1.01	0.24	0.30
P-803	J-474	J-687	224	DI/P	150	140	-0.37	0.24	0.50
P-804	J-684	J-689	319	CI/E	500	80	6.68	0.39	0.80
P-805	J-689	J-685	208	CI/E	500	80	6.26	0.37	0.70
P-806	J-689	J-193	5	DI/P	150	140	0.43	0.28	0.70
P-807	J-314	J-684	172	CI/R/DI	100	140	-0.25	0.37	1.70
P-808	J-684	J-328	7	DI/P	150	140	0.88	0.58	2.60
P-809	J-683	J-691	205	MS/E	1,600	80	57.02	0.33	0.20
P-810	J-691	J-678	173	MS/E	1,600	80	57.02	0.33	0.20
P-811	J-760	J-690	92	DI/P	200	140	1.25	0.46	1.10
P-812	J-645	J-644	51	DI/E	100	130	-0.08	0.11	0.20
P-813	J-644	J-643	61	DI/E	100	130	-0.03	0.04	0.00
P-814	J-643	J-642	60	DI/E	100	130	0.01	0.02	0.00
P-815	J-642	J-641	49	DI/E	100	130	0.08	0.11	0.20
P-816	J-641	J-640	36	DI/E	100	130	0.08	0.12	0.20
P-817	J-575	J-692	93	CI/R/DI	100	140	0.05	0.07	0.10
P-818	J-693	J-125	64	CI/R/DI	100	140	-0.03	0.05	0.00
P-819	J-145	J-694	98	CI/R/DI	100	140	0.05	0.07	0.10
P-820	J-390	J-695	51	DI/E	100	130	0.03	0.04	0.00
P-821	J-696	J-90	72	CI/R/DI	100	140	-0.04	0.05	0.00
P-822	J-396	J-697	114	DI/E	100	130	-0.17	0.25	0.90
P-823	J-395	J-484	73	CI/R/DI	100	140	-0.21	0.30	1.20
P-824	J-533	J-698	244	CI/R/DI	100	140	-0.09	0.13	0.20
P-825	J-699	J-330	38	CI/R/DI	100	140	-0.02	0.03	0.00

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-826	J-469	J-700	43	CI/R/DI	100	140	0.02	0.03	0.00
P-827	J-702	J-703	633	DI/P	500	140	-25.75	1.52	3.50
P-828	J-701	J-703	236	DI/P	600	140	35.25	1.44	2.60
P-829	J-704	J-4	203	DI/E	100	130	-0.10	0.15	0.40
P-830	J-664	J-390	4	CI/R/DI	100	140	0.47	0.69	6.00
P-831	J-705	J-657	165	DI/P	250	140	-3.92	0.92	3.20
P-832	J-705	J-57	7	DI/P	200	140	0.88	0.32	0.70
P-833	J-665	J-706	102	DI/P	250	140	-1.64	0.39	0.60
P-834	J-706	J-705	242	DI/P	250	140	-2.60	0.61	1.50
P-835	J-706	J-132	6	DI/P	150	140	0.95	0.63	3.10
P-836	J-705	J-102	36	CI/R/DI	100	140	0.43	0.63	4.60
P-837	J-665	J-221	9	DI/P	150	140	1.17	0.77	4.40
P-838	J-707	J-486	6	DI/P	150	140	0.84	0.55	2.40
P-839	J-707	J-708	116	DI/P	200	140	2.14	0.79	3.10
P-840	J-708	J-520	6	DI/P	150	140	0.75	0.49	2.00
P-841	J-487	J-20	340	DI/P	150	140	0.92	0.60	2.60
P-842	J-709	J-9	7	DI/P	200	140	1.47	0.54	1.70
P-843	J-9	J-130	259	DI/P	150	140	0.67	0.44	1.50
P-844	J-529	J-710	54	CI/R/DI	100	140	0.03	0.04	0.00
P-845	J-712	J-777	201	DI/P	250	140	1.18	0.28	0.30
P-846	J-713	J-294	4	DI/P	150	140	0.43	0.28	0.70
P-847	J-713	J-478	226	CI/R/DI	100	140	0.26	0.38	1.70
P-848	J-716	J-202	7	DI/P	150	140	0.72	0.47	1.80
P-849	J-714	J-161	6	DI/P	150	140	0.63	0.41	1.40
P-850	J-711	J-715	19	DI/P	300	140	4.48	0.73	1.80
P-851	J-715	J-714	109	DI/P	300	140	2.34	0.38	0.50
P-852	J-711	J-716	7	DI/P	350	140	8.46	1.02	3.30
P-853	J-712	J-717	85	DI/P	200	140	2.04	0.75	2.80
P-854	J-717	J-31	10	DI/P	150	140	0.79	0.52	2.10
P-855	J-717	J-363	100	DI/P	150	140	0.74	0.49	1.80
P-856	J-715	J-718	129	DI/P	200	140	2.14	0.79	3.10
P-857	J-718	J-170	145	CI/R/DI	100	140	0.27	0.40	1.90
P-858	J-718	J-719	67	DI/P	200	140	1.80	0.66	2.20
P-859	J-719	J-420	8	DI/P	200	140	0.91	0.34	0.70
P-860	J-719	J-421	137	DI/P	150	140	0.88	0.58	2.40
P-861	J-716	J-720	58	DI/P	350	140	7.20	0.87	2.00
P-862	J-720	J-80	7	DI/P	150	140	0.13	0.09	0.10
P-863	J-721	J-24	10	DI/P	150	140	0.40	0.26	0.60
P-864	J-722	J-103	10	DI/P	150	140	1.04	0.68	3.50
P-865	J-722	J-723	180	DI/P	300	140	5.65	0.93	2.60
P-866	J-427	J-506	158	CI/R/DI	100	140	-0.13	0.19	0.50
P-867	J-515	J-99	152	CI/R/DI	100	140	0.16	0.23	0.70
P-868	J-722	J-725	171	DI/P	300	140	6.12	1.00	3.00
P-869	J-723	J-726	179	DI/P	300	140	4.39	0.72	1.60
P-870	J-726	J-393	8	DI/P	300	140	1.16	0.19	0.20
P-871	J-726	J-727	286	DI/P	250	140	3.23	0.76	2.20
P-872	J-727	J-52	7	DI/P	200	140	1.29	0.47	1.40
P-873	J-723	J-226	6	DI/P	150	140	1.27	0.83	5.20
P-874	J-30	J-427	137	CI/R/DI	100	140	-0.07	0.10	0.10
P-875	J-728	J-724	49	DI/P	300	140	2.59	0.42	0.60
P-876	J-506	J-515	61	CI/R/DI	100	140	-0.18	0.27	0.90
P-877	J-728	J-729	126	DI/P	250	140	1.58	0.37	0.60
P-878	J-729	J-30	6	DI/P	200	140	0.74	0.27	0.50
P-879	J-729	J-730	116	DI/P	200	140	0.84	0.31	0.50
P-880	J-519	J-730	52	DI/E	100	130	-0.02	0.03	0.00

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-881	J-730	J-467	8	DI/P	200	140	0.80	0.29	0.50
P-882	J-727	J-731	133	DI/P	200	140	1.28	0.47	1.20
P-883	J-731	J-426	6	DI/P	200	140	0.63	0.23	0.40
P-884	J-731	J-144	194	DI/P	150	140	0.64	0.42	1.30
P-885	J-727	J-234	118	DI/P	150	140	0.66	0.44	1.40
P-886	J-732	J-473	7	DI/P	300	140	1.16	0.19	0.20
P-887	J-732	J-325	175	DI/P	150	140	0.64	0.42	1.30
P-888	J-725	J-454	8	DI/P	150	140	1.00	0.65	3.30
P-889	J-733	J-395	36	CI/R/DI	100	140	-0.03	0.04	0.00
P-890	J-734	J-496	102	CI/R/DI	100	140	-0.02	0.04	0.00
P-891	J-733	J-734	36	CI/R/DI	100	140	0.37	0.54	3.50
P-892	J-734	J-735	154	CI/R/DI	100	140	0.25	0.37	1.70
P-893	J-735	J-698	44	CI/R/DI	100	140	0.23	0.34	1.40
P-894	J-413	J-735	90	CI/R/DI	100	140	0.12	0.17	0.40
P-895	J-79	J-736	69	DI/E	100	130	-0.52	0.77	7.60
P-896	J-736	J-733	280	CI/R/DI	100	140	0.51	0.76	6.40
P-897	J-678	J-737	886	CI/E	900	80	57.02	1.04	2.50
P-898	J-737	J-701	463	CI/E	900	80	49.38	0.90	1.90
P-899	J-739	J-342	7	DI/P	200	140	1.03	0.38	0.90
P-900	J-740	J-254	8	DI/P	200	140	0.91	0.34	0.70
P-901	J-740	J-741	110	DI/P	150	140	1.00	0.65	3.00
P-902	J-741	J-339	6	DI/P	150	140	0.39	0.25	0.60
P-903	J-741	J-450	276	DI/P	150	140	0.61	0.40	1.20
P-904	J-739	J-17	142	DI/P	150	140	0.69	0.45	1.50
P-905	J-742	J-739	33	DI/P	250	140	4.07	0.96	3.50
P-906	J-742	J-743	226	DI/P	150	140	1.26	0.82	4.60
P-907	J-743	J-124	6	DI/P	150	140	0.62	0.41	1.40
P-908	J-743	J-484	77	DI/P	150	140	0.64	0.42	1.30
P-909	J-744	J-738	74	CI/E	450	80	6.28	0.46	1.20
P-910	J-744	J-736	10	DI/P	150	140	1.65	1.08	8.20
P-911	J-738	J-745	53	DI/P	250	140	5.80	1.37	6.70
P-912	J-745	J-742	31	DI/P	250	140	5.33	1.26	5.80
P-913	J-739	J-746	37	DI/P	200	140	2.36	0.87	3.80
P-914	J-746	J-740	140	DI/P	200	140	1.91	0.70	2.50
P-915	J-746	J-239	6	CI/R/DI	100	140	0.45	0.66	5.30
P-916	J-606	J-747	7	DI/P	150	140	-1.29	0.84	5.30
P-917	J-747	J-748	116	DI/P	250	140	4.24	1.00	3.70
P-918	J-748	J-205	7	DI/P	150	140	0.65	0.42	1.50
P-919	J-749	J-372	9	DI/P	150	140	0.38	0.25	0.50
P-920	J-7	J-750	6	DI/P	150	140	-1.23	0.81	5.00
P-921	J-750	J-373	55	CI/R/DI	100	140	-0.38	0.56	3.70
P-922	J-749	J-750	104	DI/P	150	140	0.88	0.57	2.40
P-923	J-749	J-34	229	DI/P	150	140	0.91	0.60	2.50
P-924	J-748	J-751	26	DI/P	200	140	3.12	1.15	6.40
P-925	J-751	J-749	86	DI/P	200	140	2.16	0.80	3.10
P-926	J-751	J-282	182	DI/E	100	130	0.40	0.59	4.70
P-927	J-747	J-485	141	CI/R/DI	150	140	0.60	0.39	1.20
P-928	J-190	J-752	9	DI/P	300	140	6.85	1.12	4.40
P-929	J-752	J-753	113	DI/P	300	140	4.97	0.81	2.00
P-930	J-753	J-318	9	DI/P	200	140	0.61	0.22	0.30
P-931	J-754	J-44	8	DI/P	150	140	0.42	0.28	0.70
P-932	J-755	J-55	12	DI/P	150	140	1.04	0.68	3.50
P-933	J-752	J-756	134	DI/P	250	140	1.88	0.44	0.80
P-934	J-756	J-11	8	CI/R/DI	100	140	0.45	0.67	5.30
P-935	J-756	J-659	408	CI/R/DI	200	140	1.22	0.45	1.10

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-936	J-757	J-551	9	DI/P	150	140	0.50	0.33	0.90
P-937	J-754	J-755	446	DI/P	250	140	3.22	0.76	2.20
P-938	J-225	J-73	87	DI/E	100	130	-0.12	0.18	0.50
P-939	J-753	J-754	77	DI/P	250	140	3.64	0.86	2.80
P-940	J-543	J-753	104	CI/R/DI	100	140	-0.67	0.99	10.50
P-941	J-757	J-758	448	DI/P	150	140	0.64	0.42	1.30
P-942	J-758	J-185	5	CI/R/DI	100	140	0.40	0.59	4.30
P-943	J-758	J-489	317	DI/P	150	140	0.24	0.16	0.20
P-944	J-725	J-759	300	DI/P	300	140	5.12	0.84	2.10
P-945	J-759	J-728	128	DI/P	300	140	4.16	0.68	1.50
P-946	J-310	J-759	7	DI/P	150	140	-0.96	0.63	3.10
P-947	T-1(6ML)	J-683	710	MS/E	1,600	80	67.05	0.39	0.20
P-948	J-127	J-760	21	CI/R/DI	100	140	0.00	0.01	0.00
P-949	J-760	J-688	210	DI/P	200	140	-1.26	0.46	1.10
P-950	J-640	J-761	39	DI/E	100	130	0.05	0.07	0.10
P-951	J-761	J-311	304	DI/E	100	130	-0.18	0.27	1.00
P-952	J-761	J-762	55	DI/E	100	130	0.03	0.04	0.00
P-953	J-49	J-764	9	CI/R/DI	100	140	0.02	0.03	0.00
P-954	J-764	J-50	33	CI/R/DI	100	140	0.01	0.01	0.00
P-955	J-763	J-764	20	CI/R/DI	100	140	0.00	0.01	0.00
P-956	J-450	J-766	28	CI/R/DI	100	140	0.12	0.18	0.50
P-957	J-766	J-289	20	CI/R/DI	100	140	0.03	0.04	0.00
P-958	J-765	J-766	75	CI/R/DI	100	140	-0.04	0.05	0.00
P-959	J-767	J-502	17	CI/R/DI	100	140	-0.01	0.01	0.00
P-960	J-380	J-768	55	CI/R/DI	100	140	0.03	0.04	0.00
P-961	J-386	J-769	43	CI/R/DI	100	140	-0.09	0.13	0.30
P-962	J-769	J-394	167	CI/R/DI	100	140	-0.20	0.29	1.10
P-963	J-331	RAIL NAGAR	400	DI/P	100	140	0.10	0.15	0.30
P-964	J-139	J-89	268	DI/E	100	130	-0.30	0.44	2.60
P-965	J-520	J-487	269	CI/R/DI	100	140	0.42	0.61	4.30
P-966	J-287	J-288	31	DI/E	100	130	-0.22	0.32	1.50
P-967	J-687	BASHYAM - 2000 FLATS	811	DI/P	300	140	4.46	0.73	1.60
P-968	J-770	J-519	131	CI/R/DI	100	140	0.17	0.24	0.80
P-969	J-724	J-770	15	DI/P	300	140	2.03	0.33	0.40
P-970	J-770	J-732	441	DI/P	300	140	1.80	0.30	0.30
P-971	J-771	J-701	296	CI/E	900	80	-14.12	0.26	0.20
P-972	J-95	J-96	15	DI/E	150	130	0.55	0.36	1.20
P-973	J-772	J-713	131	DI/P	200	140	1.20	0.44	1.10
P-974	J-772	J-493	4	DI/P	150	140	-0.01	0.01	0.00
P-975	J-721	J-773	25	DI/P	350	140	5.90	0.71	1.40
P-976	J-773	J-712	91	DI/P	350	140	5.55	0.67	1.20
P-977	J-720	J-774	13	DI/P	350	140	7.07	0.85	2.10
P-978	J-774	J-721	27	DI/P	350	140	6.65	0.80	1.70
P-979	J-775	J-268	116	CI/R/DI	100	140	-0.06	0.09	0.10
P-980	J-776	J-203	7	DI/P	150	140	0.51	0.33	0.90
P-981	J-712	J-776	112	DI/P	200	140	2.33	0.86	3.60
P-982	J-21	J-777	5	CI/R/DI	150	140	-0.90	0.59	2.80
P-983	J-777	J-540	123	CI/R/DI	100	140	0.22	0.32	1.30
P-984	J-755	J-778	80	DI/P	200	140	1.81	0.67	2.30
P-985	J-778	J-757	71	DI/P	200	140	1.15	0.42	1.00
P-986	J-778	J-391	7	DI/P	150	140	0.66	0.43	1.50
P-987	J-751	J-204	10	DI/P	150	140	0.47	0.30	0.80
P-988	J-708	J-779	42	DI/P	150	140	1.38	0.91	5.60

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-989	J-779	J-487	229	DI/P	150	140	1.17	0.77	4.00
P-990	J-776	J-780	50	DI/P	200	140	1.82	0.67	2.30
P-991	J-780	J-772	96	DI/P	200	140	1.19	0.44	1.00
P-992	J-780	J-233	86	DI/P	150	140	0.64	0.42	1.30
P-993	J-748	J-563	203	DI/P	150	140	0.47	0.31	0.80
P-994	J-714	J-781	65	DI/P	300	140	1.70	0.28	0.30
P-995	J-781	J-75	6	DI/P	300	140	0.85	0.14	0.10
P-996	J-781	J-782	304	DI/P	150	140	0.86	0.56	2.30
P-997	J-782	J-502	4	DI/P	150	140	0.20	0.13	0.20
P-998	J-782	J-783	127	DI/P	150	140	0.65	0.43	1.40
P-999	J-783	J-236	4	DI/P	150	140	0.21	0.14	0.20
P-1000	J-783	J-129	50	DI/P	150	140	0.45	0.29	0.70
P-1001	J-709	J-784	78	DI/P	250	140	3.55	0.84	2.70
P-1002	J-784	J-707	197	DI/P	250	140	2.97	0.70	1.90
P-1003	J-784	J-177	5	DI/P	150	140	0.58	0.38	1.20
P-1004	J-428	J-625	66	CI/R/DI	100	140	-0.15	0.22	0.60
P-1005	J-625	J-412	59	CI/R/DI	100	140	-0.04	0.06	0.10
P-1006	FCV-1(W-127)	J-688	13	DI/E	600	130	10.04	0.41	0.40
P-1007	J-683	FCV-1(W-127)	15	DI/E	600	130	10.04	0.41	0.30
P-1008	FCV-2(W-129)	J-711	305	DI/P	400	140	12.94	1.19	2.90
P-1009	J-702	FCV-2(W-129)	7	DI/P	400	140	12.94	1.19	3.90
P-1010	J-702	FCV-3 (W-129)	10	DI/P	400	140	12.81	1.18	3.60
P-1011	FCV-3 (W-129)	J-722	4	DI/P	400	140	12.81	1.18	4.50
P-1012	J-703	FCV-4 (W-129)	49	DI/P	300	140	5.02	0.82	2.10
P-1013	FCV-4 (W-129)	J-709	119	DI/P	300	140	5.02	0.82	2.10
P-1014	J-703	FCV-5 (W-129)	13	DI/P	250	140	4.48	1.06	4.50
P-1015	FCV-5 (W-129)	J-657	3	DI/P	250	140	4.48	1.06	6.30
P-1016	J-737	FCV-6 (W-129)	7	DI/P	300	140	7.64	1.25	5.50
P-1017	FCV-6 (W-129)	J-190	4	DI/P	300	140	7.64	1.25	6.60
P-1018	J-680	FCV-7 (W-129)	8	CI/E	450	80	7.92	0.58	2.10
P-1019	FCV-7 (W-129)	J-744	4	CI/E	450	80	7.92	0.58	2.30
P-1020	J-680	FCV-8 (W-129)	31	CI/E	450	80	6.20	0.45	1.20
P-1021	FCV-8 (W-129)	J-747	254	CI/E	450	80	6.20	0.45	1.20
P-1022	J-89	J-785	14	DI/E	200	140	-0.42	0.15	0.20
P-1023	J-785	J-687	664	DI/E	200	130	-0.42	0.15	0.20
P-1024	J-433	J-367	134	DI/E	100	130	0.31	0.46	2.90
P-1025	J-679	J-786	5	CI/E	450	80	14.12	1.03	6.50
P-1026	J-786	J-680	350	CI/E	450	80	14.12	1.03	5.50
P-1027	J-140	J-787	52	DI/E	100	130	0.06	0.09	0.10
P-1028	J-787	J-153	2	DI/E	100	130	0.06	0.09	0.20
P-1029	J-787	J-788	8	DI/P	100	140	0.00	0.00	0.00
P-1030	J-688	J-684	433	DI/E	600	130	7.84	0.32	0.20
P-1031	J-789	T-1(6ML)	6	DI/P	700	140	41.05	1.23	1.60
P-1032	J-198	SCV-1	21	CI/R/DI	100	140	-0.03	0.04	0.00
P-1033	SCV-1	J-291	18	CI/R/DI	100	140	-0.03	0.04	0.00
P-1034	J-223	SCV-2	47	CI/R/DI	100	140	-0.02	0.04	0.00
P-1035	SCV-2	J-193	45	CI/R/DI	100	140	-0.02	0.04	0.00

PIPE TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1036	J-566	SCV-3	26	CI/R/DI	100	140	-0.04	0.06	0.10
P-1037	SCV-3	J-180	53	CI/R/DI	100	140	-0.04	0.06	0.10
P-1038	J-258	SCV-4	12	CI/R/DI	100	140	-0.02	0.02	0.00
P-1039	SCV-4	J-259	18	CI/R/DI	100	140	-0.02	0.02	0.00
P-1040	J-594	SCV-5	27	CI/R/DI	100	140	-0.07	0.10	0.10
P-1041	SCV-5	J-62	105	CI/R/DI	100	140	-0.07	0.10	0.10
P-1042	J-311	SCV-6	5	CI/R/DI	100	140	-0.35	0.52	3.40
P-1043	SCV-6	J-310	31	CI/R/DI	100	140	-0.35	0.52	3.20
P-1044	J-779	SCV-7	10	CI/R/DI	100	140	0.21	0.31	1.30
P-1045	SCV-7	GREEN PARK HOTEL	55	CI/R/DI	100	140	0.21	0.31	1.30
P-1046	J-521	SCV-8	155	CI/R/DI	100	140	-0.34	0.50	3.00
P-1047	SCV-8	J-9	8	CI/R/DI	100	140	-0.34	0.50	3.20
P-1048	J-305	SCV-9	16	CI/R/DI	100	140	0.02	0.02	0.00
P-1049	SCV-9	J-306	16	CI/R/DI	100	140	0.02	0.02	0.00
P-1050	J-86	SCV-10	14	CI/R/DI	100	140	0.36	0.53	3.30
P-1051	SCV-10	J-247	30	CI/R/DI	100	140	0.36	0.53	3.30
P-1052	J-11	SCV-11	23	CI/R/DI	100	140	0.02	0.02	0.00
P-1053	SCV-11	J-12	8	CI/R/DI	100	140	0.02	0.02	0.00
P-1054	J-632	SCV-12	13	CI/R/DI	100	140	-0.09	0.13	0.30
P-1055	SCV-12	J-225	173	CI/R/DI	100	140	-0.09	0.13	0.30
P-1056	J-697	SCV-13	6	CI/R/DI	100	140	-0.33	0.49	3.00
P-1057	SCV-13	J-736	214	CI/R/DI	100	140	-0.33	0.49	2.80
P-1058	J-214	SCV-14	11	CI/R/DI	100	140	0.01	0.02	0.00
P-1059	SCV-14	J-215	14	CI/R/DI	100	140	0.01	0.02	0.00
P-1060	J-110	SCV-15	5	CI/R/DI	100	140	-0.21	0.31	1.30
P-1061	SCV-15	J-37	132	CI/R/DI	100	140	-0.21	0.31	1.20
P-1062	J-216	SCV-16	22	DI/E	100	130	0.01	0.02	0.00
P-1063	SCV-16	J-217	3	DI/E	100	130	0.01	0.02	0.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-1	11.90	0.06	18.00
J-1	10.70	0.06	20.00
J-2	9.93	0.05	22.00
J-2	12.61	0.10	14.00
J-3	9.86	0.14	16.00
J-3	12.35	0.15	14.00
J-4	9.86	0.07	22.00
J-4	10.04	0.24	18.00
J-5	9.42	0.06	22.00
J-6	9.01	0.10	15.00
J-7	8.53	0.15	14.00
J-5	9.93	0.07	21.00
J-6	12.04	0.08	18.00
J-7	12.31	0.12	14.00
J-8	10.29	0.04	22.00
J-9	10.57	0.04	22.00
J-8	10.48	0.23	15.00
J-9	9.84	0.11	19.00
J-10	12.05	0.06	15.00
J-11	12.16	0.13	17.00
J-12	10.79	0.02	20.00
J-13	12.38	0.07	16.00
J-14	12.01	0.10	17.00
J-10	10.98	0.17	15.00
J-15	11.48	0.18	21.00
J-11	8.39	0.09	22.00
J-12	8.35	0.02	22.00
J-16	12.04	0.07	15.00
J-13	7.18	0.06	14.00
J-14	9.48	0.04	15.00
J-15	9.49	0.04	15.00
J-16	8.35	0.06	15.00
J-17	8.35	0.07	15.00
J-18	8.32	0.05	23.00
J-17	10.63	0.07	20.00
J-19	10.66	0.08	15.00
J-20	10.09	0.12	15.00
J-21	10.43	0.08	15.00
J-22	9.96	0.05	22.00
J-18	12.18	0.10	15.00
J-23	8.13	0.07	24.00
J-19	11.39	0.02	20.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-20	11.40	0.03	20.00
J-21	10.57	0.05	21.00
J-22	10.57	0.02	21.00
J-24	10.66	0.08	15.00
J-23	12.31	0.04	16.00
J-24	12.02	0.03	16.00
J-25	9.46	0.02	22.00
J-26	9.44	0.03	22.00
J-27	9.92	0.05	15.00
J-28	9.93	0.06	15.00
J-29	11.14	0.10	14.00
J-30	11.15	0.10	14.00
J-25	12.47	0.18	17.00
J-26	12.44	0.05	14.00
J-27	12.52	0.01	14.00
J-28	12.38	0.04	14.00
J-29	12.37	0.07	14.00
J-30	10.59	0.11	21.00
J-31	10.69	0.09	14.00
J-31	12.38	0.03	15.00
J-32	12.36	0.06	15.00
J-33	12.02	0.05	16.00
J-32	8.08	0.07	14.00
J-33	8.13	0.08	14.00
J-34	12.26	0.09	17.00
J-34	8.00	0.08	15.00
J-35	10.64	0.02	22.00
J-35	9.58	0.12	14.00
J-36	9.64	0.05	14.00
J-37	8.15	0.19	14.00
J-38	8.33	0.03	14.00
J-39	8.30	0.11	14.00
J-36	12.26	0.06	17.00
J-37	12.23	0.04	17.00
J-38	10.25	0.11	21.00
J-40	9.92	0.04	17.00
J-41	9.95	0.05	17.00
J-39	12.28	0.05	16.00
J-40	12.27	0.05	16.00
J-42	8.35	0.06	14.00
J-43	8.33	0.01	14.00
J-41	12.06	0.10	18.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-44	8.58	0.21	21.00
J-45	8.51	0.06	21.00
J-42	10.42	0.18	22.00
J-43	10.62	0.01	19.00
J-46	10.72	0.17	20.00
J-47	11.46	0.09	13.00
J-48	11.70	0.07	13.00
J-49	8.55	0.03	23.00
J-50	8.12	0.01	24.00
J-51	11.30	0.04	14.00
J-52	11.38	0.05	14.00
J-53	9.09	0.05	19.00
J-54	9.15	0.14	19.00
J-55	9.08	0.10	20.00
J-56	8.74	0.06	19.00
J-57	8.76	0.04	19.00
J-58	11.22	0.04	13.00
J-59	11.37	0.01	12.00
J-44	10.86	0.03	21.00
J-60	8.70	0.16	19.00
J-61	8.73	0.07	19.00
J-45	12.31	0.03	15.00
J-62	10.27	0.09	15.00
J-63	10.16	0.10	16.00
J-64	9.09	0.07	19.00
J-46	12.16	0.05	15.00
J-47	12.18	0.04	15.00
J-48	12.03	0.06	18.00
J-49	12.06	0.08	18.00
J-50	11.32	0.05	21.00
J-51	11.41	0.11	21.00
J-65	9.40	0.01	15.00
J-66	9.76	0.07	15.00
J-67	10.55	0.07	20.00
J-68	10.55	0.04	20.00
J-52	10.53	0.13	23.00
J-53	10.46	0.04	21.00
J-54	10.56	0.05	21.00
J-55	12.05	0.06	15.00
J-69	11.69	0.08	13.00
J-70	11.56	0.10	13.00
J-71	8.34	0.01	14.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-72	8.35	0.09	14.00
J-56	11.21	0.14	20.00
J-57	12.26	0.05	15.00
J-58	12.28	0.04	15.00
J-59	12.19	0.10	14.00
J-60	12.11	0.01	14.00
J-61	11.38	0.07	20.00
J-62	11.27	0.04	20.00
J-63	10.43	0.04	21.00
J-64	11.55	0.11	20.00
J-73	8.95	0.18	19.00
J-74	8.96	0.07	19.00
J-75	9.55	0.12	16.00
J-65	11.65	0.18	20.00
J-76	11.90	0.14	13.00
J-66	12.03	0.05	18.00
J-67	12.04	0.01	18.00
J-68	12.03	0.08	17.00
J-77	9.96	0.03	17.00
J-78	9.99	0.01	17.00
J-79	8.31	0.09	15.00
J-69	12.37	0.07	17.00
J-70	12.36	0.06	17.00
J-71	10.74	0.03	21.00
J-72	10.75	0.03	21.00
J-73	11.79	0.07	21.00
J-74	12.31	0.05	17.00
J-75	12.33	0.06	17.00
J-80	10.85	0.10	15.00
J-81	9.03	0.06	18.00
J-82	9.04	0.05	18.00
J-76	10.88	0.03	21.00
J-77	10.25	0.08	21.00
J-78	9.72	0.03	22.00
J-79	9.71	0.01	22.00
J-80	12.35	0.02	14.00
J-81	12.34	0.04	14.00
J-82	12.48	0.01	14.00
J-83	12.40	0.04	14.00
J-83	11.47	0.08	13.00
J-84	11.49	0.08	13.00
J-84	10.37	0.02	22.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-85	10.07	0.03	22.00
J-85	9.03	0.13	19.00
J-86	12.39	0.01	14.00
J-86	8.71	0.07	19.00
J-87	9.98	0.04	21.00
J-88	9.91	0.02	21.00
J-87	8.94	0.04	19.00
J-88	8.94	0.06	19.00
J-89	10.50	0.14	19.00
J-89	10.36	0.13	21.00
J-90	9.06	0.08	18.00
J-91	9.05	0.07	18.00
J-90	10.78	0.03	21.00
J-91	10.71	0.04	21.00
J-92	8.69	0.10	14.00
J-92	10.55	0.01	21.00
J-93	10.63	0.05	21.00
J-93	11.64	0.09	13.00
J-94	11.56	0.05	13.00
J-95	9.88	0.02	15.00
J-96	9.43	0.03	15.00
J-97	8.56	0.11	19.00
J-98	8.59	0.01	19.00
J-99	10.81	0.10	14.00
J-100	11.58	0.07	13.00
J-94	11.57	0.04	20.00
J-95	11.59	0.06	20.00
J-101	8.34	0.28	14.00
J-96	11.36	0.19	20.00
J-97	10.84	0.02	20.00
J-98	10.90	0.03	20.00
J-102	8.72	0.08	19.00
J-103	10.81	0.09	16.00
J-104	10.27	0.07	15.00
J-105	10.38	0.04	14.00
J-99	10.72	0.01	20.00
J-100	10.85	0.02	20.00
J-106	10.35	0.04	14.00
J-107	10.58	0.07	14.00
J-108	11.25	0.12	13.00
J-109	11.43	0.08	13.00
J-110	7.16	0.11	15.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-111	8.56	0.23	18.00
J-112	9.95	0.08	15.00
J-113	11.39	0.09	14.00
J-101	11.59	0.07	19.00
J-102	11.42	0.18	19.00
J-114	11.57	0.06	12.00
J-115	11.52	0.01	12.00
J-116	11.85	0.02	14.00
J-117	10.60	0.06	14.00
J-118	10.76	0.01	14.00
J-119	8.45	0.07	14.00
J-120	8.45	0.08	14.00
J-121	11.44	0.09	13.00
J-122	11.59	0.10	13.00
J-103	12.11	0.22	15.00
J-123	8.31	0.14	14.00
J-124	8.34	0.13	14.00
J-104	10.91	0.00	21.00
J-105	10.13	0.02	22.00
J-125	10.07	0.09	15.00
J-126	10.62	0.07	14.00
J-127	8.58	0.00	24.00
J-128	8.72	0.06	16.00
J-129	8.75	0.09	16.00
J-106	10.95	0.02	20.00
J-107	10.40	0.00	21.00
J-108	12.35	0.13	14.00
J-130	10.65	0.09	17.00
J-131	10.90	0.11	17.00
J-132	8.72	0.17	19.00
J-133	8.93	0.20	19.00
J-109	12.10	0.08	15.00
J-134	9.78	0.03	15.00
J-110	10.27	0.09	22.00
J-111	10.84	0.04	21.00
J-112	10.91	0.05	21.00
J-135	10.98	0.06	13.00
J-113	9.73	0.02	22.00
J-114	9.41	0.05	22.00
J-115	9.91	0.02	21.00
J-116	9.93	0.02	21.00
J-117	10.69	0.03	21.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-136	10.19	0.03	21.00
J-118	10.41	0.00	21.00
J-137	10.63	0.07	14.00
J-138	10.41	0.12	15.00
J-119	10.53	0.13	20.00
J-139	9.96	0.12	19.00
J-140	10.31	0.04	21.00
J-120	10.67	0.00	20.00
J-121	10.63	0.04	20.00
J-141	8.34	0.08	15.00
J-142	8.36	0.06	15.00
J-122	11.65	0.04	20.00
J-123	11.46	0.02	20.00
J-143	11.81	0.17	13.00
J-144	11.82	0.11	13.00
J-145	11.38	0.14	12.00
J-146	9.58	0.08	14.00
J-147	9.54	0.11	14.00
J-148	10.01	0.08	21.00
J-149	8.72	0.15	19.00
J-150	8.76	0.15	19.00
J-151	8.08	0.08	14.00
J-152	8.06	0.07	14.00
J-124	12.15	0.06	15.00
J-125	12.16	0.07	15.00
J-126	12.13	0.07	15.00
J-127	12.16	0.04	15.00
J-128	9.97	0.03	21.00
J-129	9.94	0.03	21.00
J-130	12.63	0.15	16.00
J-153	11.72	0.05	19.00
J-154	8.77	0.08	15.00
J-131	9.90	0.00	22.00
J-132	9.93	0.02	22.00
J-155	9.59	0.09	14.00
J-156	9.58	0.07	14.00
J-133	9.73	0.04	22.00
J-157	9.84	0.02	15.00
J-134	12.26	0.04	14.00
J-135	12.11	0.10	14.00
J-136	12.63	0.07	16.00
J-137	12.76	0.01	16.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-158	8.71	0.11	15.00
J-159	8.71	0.17	14.00
J-138	10.13	0.03	22.00
J-139	10.13	0.02	22.00
J-140	9.97	0.02	20.00
J-141	9.92	0.00	20.00
J-142	11.45	0.04	19.00
J-143	11.53	0.00	19.00
J-160	9.03	0.08	19.00
J-161	9.80	0.07	16.00
J-162	9.91	0.14	15.00
J-144	12.42	0.01	15.00
J-145	12.41	0.06	15.00
J-146	12.83	0.07	16.00
J-147	12.34	0.09	17.00
J-148	12.32	0.04	14.00
J-149	12.34	0.13	14.00
J-163	10.02	0.08	15.00
J-164	10.75	0.01	14.00
J-165	10.73	0.05	20.00
J-166	10.02	0.04	21.00
J-167	10.34	0.08	14.00
J-150	12.30	0.01	14.00
J-168	9.57	0.08	14.00
J-151	11.73	0.05	20.00
J-152	11.97	0.00	20.00
J-153	10.04	0.04	21.00
J-154	10.39	0.02	21.00
J-169	9.90	0.08	15.00
J-170	9.91	0.20	15.00
J-155	12.34	0.04	17.00
J-156	12.30	0.06	17.00
J-171	10.55	0.04	17.00
J-172	9.97	0.01	18.00
J-173	11.83	0.08	13.00
J-174	8.32	0.08	14.00
J-157	10.41	0.07	21.00
J-158	10.63	0.06	21.00
J-175	9.44	0.01	15.00
J-176	9.94	0.12	18.00
J-177	9.98	0.08	18.00
J-159	12.37	0.05	17.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-178	8.54	0.07	14.00
J-160	12.24	0.06	15.00
J-179	9.07	0.10	19.00
J-180	9.15	0.09	15.00
J-161	12.44	0.04	14.00
J-162	12.47	0.09	14.00
J-163	10.14	0.02	22.00
J-164	10.70	0.07	21.00
J-181	8.41	0.04	21.00
J-182	8.45	0.11	21.00
J-165	9.90	0.03	21.00
J-183	8.37	0.11	15.00
J-184	8.75	0.07	14.00
J-185	8.96	0.28	19.00
J-186	9.56	0.06	18.00
J-187	9.56	0.10	18.00
J-166	10.17	0.05	21.00
J-167	10.23	0.06	21.00
J-168	9.98	0.09	21.00
J-188	8.73	0.12	19.00
J-189	8.33	0.10	14.00
J-190	8.43	0.09	22.00
J-191	8.15	0.09	14.00
J-192	8.10	0.18	14.00
J-193	9.25	0.04	23.00
J-169	12.81	0.08	17.00
J-170	12.02	0.15	18.00
J-171	12.16	0.04	15.00
J-194	8.38	0.08	15.00
J-195	8.31	0.08	15.00
J-172	12.42	0.05	14.00
J-173	12.11	0.01	17.00
J-174	12.14	0.08	17.00
J-175	12.28	0.04	15.00
J-176	12.27	0.04	15.00
J-196	9.46	0.07	15.00
J-177	10.14	0.05	21.00
J-178	12.23	0.06	17.00
J-179	12.15	0.04	17.00
J-180	12.16	0.01	17.00
J-181	9.43	0.02	23.00
J-182	9.93	0.02	22.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-183	10.68	0.04	21.00
J-197	7.18	0.12	14.00
J-184	9.92	0.03	21.00
J-198	8.62	0.03	23.00
J-199	8.93	0.01	23.00
J-185	12.12	0.01	17.00
J-186	12.16	0.04	17.00
J-187	12.06	0.03	18.00
J-188	12.01	0.05	18.00
J-189	12.42	0.14	15.00
J-190	12.43	0.07	15.00
J-200	9.99	0.09	15.00
J-191	10.14	0.01	22.00
J-192	11.51	0.05	19.00
J-193	11.38	0.01	19.00
J-201	9.98	0.12	15.00
J-202	10.25	0.08	15.00
J-203	10.44	0.04	14.00
J-204	8.43	0.09	15.00
J-205	8.50	0.09	15.00
J-194	12.20	0.08	15.00
J-195	12.21	0.06	15.00
J-206	9.98	0.09	18.00
J-207	8.73	0.14	14.00
J-208	9.39	0.02	22.00
J-209	9.75	0.01	22.00
J-210	9.90	0.06	17.00
J-211	9.83	0.09	18.00
J-212	8.59	0.01	23.00
J-196	10.19	0.02	22.00
J-197	10.66	0.05	21.00
J-213	11.50	0.10	14.00
J-214	8.30	0.06	15.00
J-215	8.31	0.01	14.00
J-216	7.43	0.07	14.00
J-217	8.01	0.01	13.00
J-218	9.42	0.01	15.00
J-198	12.37	0.09	14.00
J-199	12.37	0.08	15.00
J-200	12.37	0.01	15.00
J-201	12.28	0.13	14.00
J-202	10.29	0.02	21.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-219	10.13	0.01	18.00
J-203	10.52	0.05	21.00
J-204	10.89	0.03	21.00
J-220	8.36	0.16	15.00
J-221	8.95	0.12	19.00
J-222	9.46	0.01	15.00
J-223	9.32	0.06	23.00
J-205	9.87	0.03	21.00
J-206	9.92	0.01	21.00
J-224	8.77	0.06	19.00
J-225	8.74	0.15	19.00
J-207	10.26	0.01	20.00
J-208	12.74	0.01	16.00
J-209	12.60	0.05	16.00
J-210	12.24	0.06	15.00
J-226	10.65	0.13	15.00
J-227	10.56	0.01	14.00
J-211	10.83	0.10	21.00
J-212	10.15	0.06	21.00
J-213	11.87	0.01	19.00
J-228	10.17	0.08	18.00
J-229	9.97	0.03	22.00
J-230	9.95	0.02	22.00
J-231	10.05	0.09	20.00
J-232	9.91	0.06	15.00
J-233	9.92	0.03	15.00
J-234	11.73	0.20	13.00
J-235	11.49	0.10	13.00
J-236	8.76	0.12	16.00
J-214	12.31	0.07	15.00
J-215	9.99	0.01	21.00
J-216	10.10	0.04	21.00
J-237	8.13	0.04	15.00
J-238	8.36	0.08	15.00
J-239	8.35	0.12	15.00
J-240	9.82	0.08	18.00
J-217	12.31	0.05	15.00
J-241	10.15	0.08	15.00
J-242	11.91	0.15	13.00
J-243	11.12	0.16	14.00
J-218	9.96	0.08	21.00
J-219	12.29	0.07	16.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-220	12.25	0.09	16.00
J-244	8.98	0.13	19.00
J-245	9.41	0.01	15.00
J-246	9.42	0.06	15.00
J-247	8.71	0.14	19.00
J-221	12.32	0.08	15.00
J-222	12.03	0.05	18.00
J-248	10.71	0.09	14.00
J-249	8.10	0.15	15.00
J-250	8.36	0.08	15.00
J-223	10.14	0.02	21.00
J-224	12.06	0.00	19.00
J-251	10.81	0.20	14.00
J-252	10.76	0.09	14.00
J-225	12.04	0.06	15.00
J-226	12.14	0.07	15.00
J-227	12.26	0.10	15.00
J-253	8.36	0.10	14.00
J-254	8.36	0.07	15.00
J-228	12.29	0.07	17.00
J-229	12.25	0.07	17.00
J-255	11.30	0.02	12.00
J-256	9.91	0.10	18.00
J-230	12.16	0.01	15.00
J-231	12.19	0.12	15.00
J-257	9.37	0.05	23.00
J-232	10.88	0.05	21.00
J-233	10.17	0.02	22.00
J-234	10.61	0.05	21.00
J-258	8.97	0.02	16.00
J-259	8.99	0.14	16.00
J-260	9.06	0.11	16.00
J-261	9.01	0.02	16.00
J-262	10.79	0.09	14.00
J-263	10.00	0.09	15.00
J-264	10.59	0.11	14.00
J-265	10.64	0.08	14.00
J-266	9.96	0.02	17.00
J-267	9.85	0.13	15.00
J-268	9.88	0.17	15.00
J-235	12.03	0.04	19.00
J-236	9.79	0.02	22.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-237	9.89	0.01	22.00
J-269	8.99	0.30	19.00
J-270	11.76	0.10	13.00
J-238	12.38	0.09	15.00
J-239	11.67	0.04	20.00
J-240	11.08	0.01	20.00
J-241	9.93	0.10	20.00
J-271	9.58	0.14	19.00
J-272	9.56	0.06	19.00
J-273	10.45	0.02	17.00
J-242	12.10	0.06	17.00
J-274	11.45	0.07	13.00
J-275	8.33	0.12	15.00
J-276	8.34	0.09	15.00
J-243	11.33	0.07	20.00
J-277	8.56	0.08	21.00
J-278	8.49	0.09	21.00
J-279	10.04	0.07	15.00
J-244	9.95	0.04	21.00
J-245	9.92	0.01	21.00
J-246	12.27	0.06	15.00
J-247	12.17	0.01	14.00
J-248	11.64	0.05	19.00
J-249	12.21	0.04	16.00
J-250	12.93	0.04	16.00
J-280	8.41	0.05	21.00
J-281	8.43	0.06	21.00
J-282	8.29	0.22	14.00
J-283	10.41	0.08	14.00
J-284	10.13	0.12	14.00
J-285	10.07	0.03	20.00
J-286	10.03	0.02	20.00
J-287	9.90	0.24	14.00
J-288	9.50	0.15	14.00
J-251	12.77	0.08	16.00
J-252	12.42	0.08	15.00
J-289	8.33	0.06	14.00
J-290	8.32	0.16	14.00
J-291	8.00	0.03	24.00
J-292	8.35	0.14	14.00
J-293	8.32	0.02	14.00
J-253	11.31	0.01	20.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-254	11.09	0.05	20.00
J-294	9.44	0.10	15.00
J-255	12.06	0.01	19.00
J-256	12.03	0.07	20.00
J-295	9.05	0.09	19.00
J-296	9.53	0.04	22.00
J-297	9.77	0.07	22.00
J-257	12.09	0.05	18.00
J-258	12.00	0.01	18.00
J-298	10.30	0.11	15.00
J-299	9.57	0.09	15.00
J-300	9.57	0.10	15.00
J-259	12.11	0.01	17.00
J-260	12.12	0.05	17.00
J-301	10.97	0.06	14.00
J-302	10.44	0.02	15.00
J-303	10.27	0.08	14.00
J-304	9.89	0.05	22.00
J-261	12.09	0.09	18.00
J-305	8.46	0.09	19.00
J-306	8.46	0.02	19.00
J-262	12.23	0.10	15.00
J-307	9.57	0.16	15.00
J-308	9.56	0.07	15.00
J-309	8.98	0.08	19.00
J-263	9.74	0.04	20.00
J-264	12.18	0.06	15.00
J-310	10.90	0.11	14.00
J-311	10.27	0.17	15.00
J-265	11.68	0.08	19.00
J-266	11.15	0.06	19.00
J-267	12.14	0.07	15.00
J-312	9.88	0.02	15.00
J-268	12.41	0.05	16.00
J-269	12.17	0.07	15.00
J-270	12.13	0.08	17.00
J-271	12.12	0.07	17.00
J-272	11.35	0.05	20.00
J-313	9.92	0.07	15.00
J-273	12.01	0.05	17.00
J-274	12.04	0.01	17.00
J-275	12.24	0.07	15.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-314	9.47	0.05	23.00
J-315	9.66	0.02	22.00
J-316	8.39	0.07	15.00
J-317	9.81	0.14	18.00
J-276	12.14	0.12	17.00
J-277	12.10	0.09	18.00
J-278	12.21	0.01	17.00
J-279	12.04	0.12	18.00
J-280	12.05	0.01	18.00
J-281	12.36	0.01	17.00
J-282	12.31	0.04	17.00
J-318	8.44	0.03	21.00
J-283	12.00	0.06	18.00
J-284	10.56	0.05	21.00
J-285	12.27	0.12	17.00
J-286	12.43	0.07	16.00
J-319	8.84	0.04	23.00
J-320	8.55	0.07	21.00
J-287	12.04	0.07	18.00
J-288	12.37	0.05	16.00
J-289	12.04	0.05	18.00
J-290	12.03	0.07	18.00
J-291	12.06	0.17	18.00
J-292	12.00	0.05	18.00
J-293	9.76	0.03	22.00
J-294	9.78	0.03	22.00
J-321	8.70	0.09	21.00
J-322	9.98	0.02	15.00
J-323	8.40	0.02	21.00
J-324	8.48	0.08	21.00
J-325	11.68	0.23	13.00
J-326	8.36	0.11	21.00
J-327	9.72	0.05	22.00
J-328	9.18	0.02	23.00
J-295	11.33	0.05	19.00
J-296	11.61	0.02	19.00
J-329	9.01	0.06	19.00
J-330	10.00	0.10	15.00
J-297	12.41	0.10	16.00
J-331	9.93	0.02	19.00
J-298	10.10	0.10	21.00
J-299	12.14	0.05	15.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-332	8.37	0.12	21.00
J-300	12.02	0.10	18.00
J-333	8.48	0.06	21.00
J-334	8.42	0.06	21.00
J-301	11.88	0.09	20.00
J-302	11.19	0.11	19.00
J-303	11.69	0.13	18.00
J-304	12.44	0.01	15.00
J-305	12.47	0.07	15.00
J-335	11.96	0.14	12.00
J-336	11.75	0.12	12.00
J-306	10.46	0.04	21.00
J-307	10.55	0.04	21.00
J-337	9.80	0.02	15.00
J-338	8.59	0.02	21.00
J-339	8.37	0.19	14.00
J-340	8.43	0.02	14.00
J-341	9.94	0.13	18.00
J-308	12.02	0.06	18.00
J-342	8.30	0.08	15.00
J-343	9.97	0.03	22.00
J-344	10.85	0.08	14.00
J-309	12.45	0.05	16.00
J-310	12.56	0.06	16.00
J-345	8.30	0.26	14.00
J-346	8.36	0.10	14.00
J-311	9.43	0.05	23.00
J-347	9.76	0.01	22.00
J-312	12.03	0.07	18.00
J-313	12.10	0.02	17.00
J-314	12.18	0.05	17.00
J-348	10.10	0.12	14.00
J-315	9.82	0.01	22.00
J-316	12.03	0.10	18.00
J-317	12.00	0.09	18.00
J-318	12.88	0.01	16.00
J-319	12.20	0.07	16.00
J-320	12.07	0.12	17.00
J-321	12.20	0.01	17.00
J-322	12.09	0.02	17.00
J-349	11.03	0.15	14.00
J-323	10.85	0.01	21.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-324	12.18	0.01	17.00
J-350	8.55	0.02	21.00
J-351	8.79	0.07	21.00
J-325	12.46	0.05	16.00
J-352	10.70	0.09	14.00
J-353	10.96	0.13	14.00
J-354	10.86	0.10	17.00
J-355	9.73	0.03	22.00
J-356	11.26	0.09	14.00
J-357	11.29	0.15	13.00
J-358	9.02	0.07	19.00
J-326	10.79	0.03	22.00
J-327	11.90	0.05	18.00
J-328	11.57	0.11	19.00
J-359	8.37	0.12	14.00
J-329	12.29	0.02	15.00
J-330	12.12	0.05	17.00
J-331	12.05	0.06	18.00
J-360	9.95	0.11	15.00
J-361	8.52	0.08	15.00
J-362	8.61	0.02	15.00
J-363	10.25	0.11	15.00
J-332	10.39	0.04	21.00
J-333	9.93	0.05	22.00
J-334	9.96	0.06	22.00
J-364	9.91	0.09	15.00
J-335	10.36	0.03	22.00
J-336	12.07	0.02	15.00
J-337	12.34	0.02	16.00
J-365	9.06	0.02	16.00
J-338	12.05	0.09	16.00
J-366	11.11	0.07	13.00
J-367	11.52	0.07	12.00
J-368	8.90	0.02	19.00
J-369	11.63	0.14	13.00
J-370	9.72	0.10	15.00
J-371	9.56	0.02	15.00
J-339	12.25	0.02	14.00
J-372	8.45	0.10	15.00
J-373	8.55	0.08	15.00
J-340	10.86	0.06	21.00
J-341	10.64	0.06	21.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-342	9.43	0.03	22.00
J-343	9.75	0.06	22.00
J-344	12.02	0.02	18.00
J-345	11.22	0.02	19.00
J-346	11.01	0.01	20.00
J-347	11.00	0.02	20.00
J-374	10.15	0.03	21.00
J-375	10.89	0.07	20.00
J-376	9.90	0.02	22.00
J-377	9.91	0.01	22.00
J-378	10.52	0.04	15.00
J-379	8.74	0.17	18.00
J-380	8.72	0.22	18.00
J-381	10.26	0.05	21.00
J-382	10.78	0.05	20.00
J-348	12.28	0.02	15.00
J-349	12.48	0.05	14.00
J-350	12.44	0.02	14.00
J-351	11.97	0.04	19.00
J-352	11.61	0.01	20.00
J-353	10.01	0.02	21.00
J-383	8.34	0.02	14.00
J-354	12.43	0.03	14.00
J-355	12.77	0.05	13.00
J-384	9.81	0.02	15.00
J-356	12.03	0.10	18.00
J-385	8.53	0.09	19.00
J-357	9.71	0.02	22.00
J-358	9.93	0.01	21.00
J-386	11.42	0.15	14.00
J-359	12.25	0.06	16.00
J-387	8.10	0.05	24.00
J-388	8.74	0.05	23.00
J-389	9.53	0.10	18.00
J-390	9.57	0.08	18.00
J-391	9.02	0.11	19.00
J-392	10.36	0.08	21.00
J-360	10.82	0.03	20.00
J-393	10.27	0.10	15.00
J-394	10.25	0.13	15.00
J-395	8.49	0.12	14.00
J-361	12.74	0.06	16.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-396	8.11	0.11	15.00
J-397	10.81	0.08	14.00
J-398	10.07	0.11	15.00
J-399	10.48	0.11	14.00
J-400	10.71	0.08	14.00
J-362	12.44	0.09	15.00
J-363	12.46	0.17	15.00
J-364	9.88	0.02	22.00
J-401	8.35	0.02	15.00
J-365	9.92	0.05	20.00
J-366	10.00	0.06	22.00
J-367	9.91	0.04	22.00
J-402	8.37	0.14	15.00
J-368	12.86	0.08	16.00
J-369	10.59	0.01	21.00
J-370	9.96	0.06	22.00
J-403	9.68	0.04	22.00
J-404	9.86	0.04	22.00
J-405	8.58	0.21	18.00
J-406	8.59	0.18	18.00
J-371	12.32	0.02	17.00
J-372	10.46	0.05	21.00
J-373	10.37	0.03	21.00
J-374	10.80	0.05	21.00
J-407	9.72	0.14	15.00
J-408	9.51	0.12	15.00
J-375	12.00	0.11	18.00
J-376	9.43	0.05	23.00
J-377	12.19	0.07	17.00
J-378	12.50	0.05	14.00
J-379	12.42	0.05	14.00
J-409	9.98	0.10	15.00
J-380	9.97	0.05	21.00
J-410	10.55	0.07	14.00
J-411	8.39	0.07	15.00
J-412	8.51	0.16	14.00
J-413	8.51	0.14	14.00
J-414	8.46	0.20	14.00
J-381	12.09	0.11	17.00
J-382	12.06	0.12	17.00
J-383	9.48	0.05	22.00
J-415	9.43	0.05	22.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-416	10.14	0.01	19.00
J-417	10.24	0.10	15.00
J-384	10.48	0.04	21.00
J-385	9.98	0.05	22.00
J-386	10.81	0.03	21.00
J-418	9.03	0.06	23.00
J-419	9.58	0.02	15.00
J-420	9.56	0.21	15.00
J-387	12.12	0.02	18.00
J-388	12.13	0.18	17.00
J-389	12.16	0.11	17.00
J-390	10.38	0.03	21.00
J-391	10.57	0.01	21.00
J-392	12.12	0.02	17.00
J-393	10.29	0.06	21.00
J-394	9.42	0.05	22.00
J-395	9.47	0.04	22.00
J-396	12.03	0.02	16.00
J-421	9.53	0.12	15.00
J-397	12.48	0.06	16.00
J-398	12.45	0.06	15.00
J-399	12.44	0.09	15.00
J-422	8.45	0.07	23.00
J-400	11.08	0.09	19.00
J-401	10.28	0.05	21.00
J-402	11.11	0.01	20.00
J-423	9.46	0.02	15.00
J-403	10.66	0.05	21.00
J-424	8.94	0.04	23.00
J-404	11.96	0.06	19.00
J-405	10.71	0.06	20.00
J-406	9.79	0.07	22.00
J-407	9.93	0.05	22.00
J-408	9.94	0.04	22.00
J-425	11.90	0.13	13.00
J-426	11.63	0.17	13.00
J-409	12.29	0.11	17.00
J-410	12.28	0.18	17.00
J-427	11.54	0.20	13.00
J-411	10.30	0.08	22.00
J-412	12.69	0.07	16.00
J-428	8.42	0.09	14.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-429	8.40	0.10	14.00
J-430	9.52	0.11	15.00
J-431	9.01	0.25	20.00
J-413	12.33	0.02	16.00
J-432	11.89	0.03	12.00
J-433	11.87	0.06	13.00
J-414	9.81	0.05	21.00
J-415	12.42	0.09	15.00
J-434	8.18	0.21	14.00
J-416	9.82	0.05	20.00
J-417	12.06	0.02	16.00
J-418	10.80	0.06	21.00
J-419	10.04	0.03	22.00
J-420	11.71	0.05	20.00
J-421	9.45	0.03	23.00
J-422	9.87	0.03	22.00
J-435	8.53	0.12	15.00
J-436	11.28	0.13	13.00
J-423	12.30	0.11	15.00
J-437	12.57	0.17	12.00
J-438	9.04	0.02	18.00
J-424	12.00	0.07	15.00
J-425	12.07	0.08	15.00
J-439	11.70	0.02	13.00
J-426	11.87	0.04	20.00
J-427	11.69	0.05	20.00
J-428	12.09	0.06	18.00
J-429	12.08	0.10	18.00
J-440	8.36	0.13	15.00
J-430	12.25	0.10	14.00
J-431	9.89	0.01	22.00
J-432	12.28	0.06	17.00
J-433	12.22	0.12	17.00
J-441	8.68	0.09	15.00
J-442	8.50	0.02	15.00
J-434	9.91	0.05	22.00
J-435	9.90	0.06	22.00
J-436	11.29	0.02	19.00
J-437	11.87	0.10	19.00
J-443	9.96	0.01	20.00
J-438	12.25	0.09	15.00
J-439	12.46	0.02	14.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-440	9.98	0.01	22.00
J-444	9.35	0.05	22.00
J-441	12.36	0.08	16.00
J-442	12.14	0.07	16.00
J-443	10.80	0.04	20.00
J-444	9.96	0.04	22.00
J-445	9.99	0.01	22.00
J-445	10.10	0.04	19.00
J-446	10.18	0.01	19.00
J-446	11.57	0.13	19.00
J-447	11.95	0.04	19.00
J-448	10.39	0.06	21.00
J-449	9.76	0.07	22.00
J-450	9.82	0.04	22.00
J-451	10.59	0.05	21.00
J-452	9.94	0.06	21.00
J-453	12.05	0.02	17.00
J-454	10.79	0.04	21.00
J-455	10.33	0.03	22.00
J-447	9.41	0.20	15.00
J-448	9.93	0.03	15.00
J-449	10.08	0.09	15.00
J-450	8.32	0.11	14.00
J-451	11.49	0.16	13.00
J-456	12.23	0.10	16.00
J-457	12.37	0.20	16.00
J-452	11.29	0.23	14.00
J-453	10.26	0.12	16.00
J-454	10.55	0.13	15.00
J-458	9.96	0.06	22.00
J-459	12.20	0.10	17.00
J-460	9.77	0.03	22.00
J-461	12.00	0.14	18.00
J-455	9.15	0.04	23.00
J-462	10.32	0.06	21.00
J-456	9.96	0.03	21.00
J-463	9.88	0.08	21.00
J-464	11.22	0.04	20.00
J-457	9.48	0.09	15.00
J-458	9.13	0.03	15.00
J-459	7.98	0.13	13.00
J-465	12.07	0.06	16.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-466	12.62	0.08	14.00
J-467	12.46	0.09	16.00
J-468	12.31	0.02	14.00
J-469	10.10	0.03	21.00
J-470	10.31	0.04	21.00
J-471	10.20	0.04	22.00
J-472	10.91	0.04	20.00
J-473	10.41	0.05	21.00
J-474	12.79	0.02	13.00
J-460	10.23	0.01	21.00
J-475	11.16	0.05	20.00
J-476	11.80	0.00	20.00
J-477	10.68	0.10	21.00
J-478	10.73	0.09	21.00
J-461	10.41	0.18	15.00
J-479	12.10	0.14	17.00
J-480	10.23	0.02	21.00
J-481	12.22	0.02	17.00
J-482	12.28	0.02	15.00
J-483	12.04	0.04	15.00
J-484	10.23	0.03	21.00
J-485	10.38	0.01	22.00
J-486	9.88	0.06	22.00
J-487	9.83	0.05	22.00
J-488	12.94	0.06	13.00
J-489	9.91	0.06	22.00
J-462	10.99	0.03	14.00
J-490	10.94	0.05	20.00
J-463	10.46	0.03	14.00
J-491	9.71	0.10	22.00
J-464	8.41	0.03	14.00
J-492	12.32	0.02	14.00
J-465	9.34	0.05	23.00
J-466	8.86	0.13	19.00
J-467	11.39	0.16	14.00
J-468	11.22	0.15	14.00
J-493	10.82	0.05	21.00
J-494	9.85	0.07	22.00
J-495	12.17	0.13	18.00
J-496	12.13	0.09	17.00
J-469	10.20	0.10	14.00
J-470	9.08	0.05	23.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-471	9.99	0.04	22.00
J-472	11.29	0.12	13.00
J-473	11.52	0.16	13.00
J-497	12.09	0.02	17.00
J-498	12.62	0.06	16.00
J-499	12.14	0.13	17.00
J-500	12.10	0.07	17.00
J-501	12.23	0.06	16.00
J-502	12.13	0.12	17.00
J-503	11.40	0.02	20.00
J-474	9.92	0.14	20.00
J-504	9.91	0.05	21.00
J-505	9.85	0.03	21.00
J-475	11.21	0.13	13.00
J-476	10.53	0.12	14.00
J-477	8.78	0.03	19.00
J-506	12.36	0.07	16.00
J-507	12.31	0.02	16.00
J-478	9.83	0.32	14.00
J-479	10.79	0.02	15.00
J-480	8.52	0.18	14.00
J-481	10.06	0.07	21.00
J-508	11.10	0.04	21.00
J-482	8.22	0.03	24.00
J-509	10.43	0.14	22.00
J-483	10.81	0.12	14.00
J-510	9.99	0.04	22.00
J-511	9.98	0.05	22.00
J-484	8.31	0.09	14.00
J-485	8.54	0.21	15.00
J-486	10.05	0.09	18.00
J-487	9.89	0.22	16.00
J-512	10.13	0.01	22.00
J-513	10.31	0.06	21.00
J-514	12.39	0.09	16.00
J-488	9.70	0.10	14.00
J-489	9.54	0.23	18.00
J-515	12.42	0.02	14.00
J-490	8.53	0.03	14.00
J-491	8.90	0.03	19.00
J-516	9.95	0.10	22.00
J-517	9.81	0.01	22.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-492	11.77	0.11	14.00
J-493	9.83	0.17	15.00
J-494	10.27	0.14	16.00
J-518	12.07	0.02	17.00
J-519	12.21	0.12	17.00
J-520	12.39	0.03	17.00
J-521	10.03	0.05	21.00
J-495	10.14	0.22	15.00
J-496	8.41	0.16	14.00
J-522	10.95	0.09	20.00
J-497	11.27	0.13	13.00
J-523	10.62	0.01	20.00
J-498	7.62	0.12	14.00
J-524	10.36	0.05	21.00
J-525	10.59	0.05	20.00
J-499	10.77	0.12	15.00
J-526	12.25	0.11	17.00
J-500	9.67	0.04	22.00
J-501	10.67	0.12	15.00
J-527	12.70	0.15	14.00
J-502	8.91	0.12	16.00
J-503	8.95	0.14	16.00
J-528	12.34	0.02	16.00
J-529	11.62	0.14	20.00
J-530	9.92	0.08	22.00
J-531	10.94	0.07	21.00
J-532	11.98	0.05	20.00
J-533	12.28	0.02	15.00
J-534	9.97	0.01	21.00
J-504	8.34	0.15	14.00
J-505	11.93	0.19	13.00
J-506	10.98	0.21	14.00
J-535	9.96	0.01	21.00
J-507	9.96	0.09	17.00
J-536	12.85	0.09	14.00
J-508	8.31	0.11	14.00
J-537	10.69	0.01	21.00
J-509	8.67	0.13	14.00
J-538	11.74	0.02	20.00
J-510	8.48	0.09	21.00
J-539	12.21	0.03	17.00
J-540	10.55	0.05	22.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-541	9.66	0.14	21.00
J-542	9.52	0.01	21.00
J-511	8.32	0.03	14.00
J-543	9.96	0.05	21.00
J-544	9.79	0.04	20.00
J-545	9.77	0.04	20.00
J-512	8.79	0.03	19.00
J-513	8.96	0.03	20.00
J-546	10.07	0.03	22.00
J-547	9.91	0.06	22.00
J-548	12.06	0.03	18.00
J-514	9.83	0.13	18.00
J-549	9.71	0.04	22.00
J-550	12.23	0.02	17.00
J-551	9.46	0.04	22.00
J-552	10.10	0.05	22.00
J-553	9.89	0.06	22.00
J-554	12.02	0.03	18.00
J-515	10.60	0.21	15.00
J-555	12.19	0.02	15.00
J-516	11.44	0.03	14.00
J-517	11.47	0.14	13.00
J-518	7.82	0.03	14.00
J-519	11.76	0.19	13.00
J-520	9.92	0.20	17.00
J-556	12.15	0.12	17.00
J-557	10.56	0.06	21.00
J-558	9.89	0.04	22.00
J-559	12.20	0.03	17.00
J-521	10.35	0.21	18.00
J-522	11.10	0.18	14.00
J-560	10.41	0.06	20.00
J-561	12.31	0.12	16.00
J-523	10.78	0.14	14.00
J-524	8.36	0.14	14.00
J-525	9.07	0.03	19.00
J-526	10.85	0.14	14.00
J-527	8.64	0.13	14.00
J-562	12.50	0.11	14.00
J-563	10.11	0.10	21.00
J-528	8.95	0.03	19.00
J-529	10.87	0.13	14.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-564	12.33	0.03	17.00
J-565	10.26	0.06	21.00
J-530	9.52	0.02	22.00
J-531	9.53	0.03	22.00
J-532	8.39	0.11	15.00
J-533	8.44	0.21	13.00
J-566	12.22	0.03	17.00
J-534	9.07	0.10	16.00
J-535	8.53	0.20	21.00
J-536	9.57	0.03	19.00
J-567	12.36	0.03	17.00
J-568	12.20	0.04	15.00
J-537	8.97	0.03	18.00
J-538	9.86	0.11	15.00
J-539	8.84	0.03	16.00
J-540	10.50	0.16	14.00
J-569	11.92	0.03	19.00
J-570	11.43	0.02	21.00
J-571	10.09	0.04	21.00
J-572	10.32	0.06	21.00
J-541	8.87	0.03	16.00
J-542	8.56	0.04	20.00
J-543	8.52	0.22	20.00
J-573	12.09	0.05	15.00
J-544	11.37	0.03	13.00
J-545	9.43	0.01	22.00
J-574	12.00	0.03	16.00
J-575	12.08	0.06	15.00
J-576	11.11	0.02	20.00
J-577	12.28	0.03	17.00
J-546	9.96	0.04	15.00
J-547	8.79	0.04	19.00
J-548	8.72	0.04	19.00
J-549	8.36	0.03	15.00
J-578	10.54	0.01	22.00
J-550	8.93	0.20	19.00
J-551	9.01	0.14	19.00
J-579	10.26	0.08	21.00
J-580	12.30	0.03	16.00
J-552	8.52	0.04	21.00
J-581	11.36	0.03	19.00
J-582	12.21	0.03	15.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-553	9.05	0.15	15.00
J-583	10.63	0.13	21.00
J-584	11.39	0.05	20.00
J-554	10.14	0.04	15.00
J-555	9.19	0.01	23.00
J-556	9.98	0.04	15.00
J-585	12.47	0.03	14.00
J-586	9.85	0.01	21.00
J-557	10.13	0.04	15.00
J-587	9.94	0.01	22.00
J-588	9.97	0.10	21.00
J-558	9.73	0.02	22.00
J-559	8.37	0.04	13.00
J-560	8.44	0.14	13.00
J-589	12.39	0.15	14.00
J-590	12.26	0.03	17.00
J-591	11.31	0.04	19.00
J-592	11.73	0.02	20.00
J-561	8.36	0.18	14.00
J-593	10.53	0.01	21.00
J-594	11.02	0.03	20.00
J-595	12.06	0.03	15.00
J-562	9.80	0.02	22.00
J-563	8.76	0.18	15.00
J-596	10.79	0.01	21.00
J-597	11.90	0.01	20.00
J-564	10.49	0.04	14.00
J-565	11.51	0.04	13.00
J-598	12.76	0.12	14.00
J-599	12.25	0.03	17.00
J-566	8.72	0.04	15.00
J-567	8.95	0.04	19.00
J-568	10.26	0.04	15.00
J-600	10.66	0.05	20.00
J-601	12.28	0.09	17.00
J-569	7.41	0.05	15.00
J-570	8.90	0.05	19.00
J-571	8.33	0.04	15.00
J-572	8.38	0.04	14.00
J-573	11.86	0.05	13.00
J-602	12.05	0.03	15.00
J-574	9.71	0.06	22.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-575	10.55	0.14	16.00
J-576	10.06	0.04	17.00
J-577	10.05	0.04	15.00
J-578	10.40	0.04	15.00
J-579	7.22	0.19	15.00
J-580	7.48	0.14	15.00
J-581	10.68	0.04	15.00
J-582	8.42	0.18	14.00
J-603	11.15	0.12	20.00
J-604	11.82	0.03	18.00
J-605	9.72	0.02	22.00
J-583	10.52	0.05	14.00
J-584	11.07	0.04	14.00
J-606	9.92	0.02	22.00
J-585	9.94	0.05	21.00
J-586	9.49	0.02	22.00
J-587	8.55	0.05	21.00
J-588	10.84	0.05	14.00
J-589	10.37	0.17	15.00
J-590	10.37	0.05	17.00
J-591	10.45	0.07	14.00
J-592	11.48	0.07	13.00
J-593	9.50	0.02	22.00
J-607	12.36	0.04	16.00
J-608	10.48	0.02	21.00
J-609	10.90	0.02	21.00
J-594	10.16	0.07	16.00
J-595	9.98	0.05	18.00
J-596	8.31	0.05	14.00
J-610	9.95	0.04	22.00
J-611	10.71	0.06	21.00
J-612	10.35	0.01	21.00
J-613	9.93	0.06	22.00
J-614	12.07	0.04	15.00
J-615	10.02	0.02	22.00
J-616	9.78	0.02	22.00
J-597	9.98	0.05	18.00
J-617	11.91	0.07	20.00
J-598	9.71	0.02	22.00
J-599	10.27	0.06	18.00
J-600	9.44	0.02	22.00
J-618	12.87	0.10	16.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-619	12.11	0.04	17.00
J-601	8.75	0.18	24.00
J-602	10.64	0.06	14.00
J-603	10.92	0.09	13.00
J-604	8.84	0.02	23.00
J-605	10.58	0.06	14.00
J-606	8.41	0.23	16.00
J-607	10.99	0.06	17.00
J-620	12.27	0.09	16.00
J-608	10.28	0.06	18.00
J-621	12.00	0.02	20.00
J-609	10.93	0.02	20.00
J-622	9.94	0.08	21.00
J-610	11.41	0.07	12.00
J-611	8.19	0.02	24.00
J-612	8.30	0.06	14.00
J-613	11.36	0.06	14.00
J-614	8.67	0.02	23.00
J-615	8.58	0.07	19.00
J-616	10.18	0.07	15.00
J-617	11.94	0.09	13.00
J-618	11.15	0.07	14.00
J-619	8.35	0.07	15.00
J-623	10.94	0.03	21.00
J-620	11.14	0.07	14.00
J-621	11.93	0.07	12.00
J-622	11.71	0.07	12.00
J-623	9.64	0.03	22.00
J-624	12.19	0.07	12.00
J-625	8.42	0.14	14.00
J-626	10.09	0.04	18.00
J-627	11.39	0.09	14.00
J-624	12.13	0.06	17.00
J-628	10.71	0.08	15.00
J-629	10.74	0.04	17.00
J-630	10.69	0.05	17.00
J-631	8.54	0.14	19.00
J-625	12.27	0.07	14.00
J-626	10.93	0.03	21.00
J-632	8.55	0.09	19.00
J-627	10.87	0.07	20.00
J-633	9.82	0.18	14.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-634	8.98	0.11	16.00
J-628	9.93	0.02	22.00
J-629	10.66	0.04	21.00
J-630	10.31	0.04	22.00
J-631	11.42	0.04	19.00
J-632	11.04	0.04	19.00
J-633	11.06	0.04	19.00
J-634	12.04	0.06	17.00
J-635	12.06	0.07	17.00
J-635	8.49	0.07	21.00
J-636	8.33	0.07	21.00
J-637	8.43	0.05	21.00
J-638	8.42	0.04	21.00
J-636	10.30	0.06	24.00
J-639	8.29	0.04	24.00
J-637	12.53	0.05	16.00
J-638	12.06	0.06	19.00
J-639	11.93	0.07	19.00
J-640	10.72	0.03	21.00
J-641	10.69	0.02	22.00
J-642	10.48	0.03	21.00
J-640	11.86	0.14	13.00
J-641	11.22	0.12	14.00
J-642	11.47	0.13	13.00
J-643	11.21	0.13	14.00
J-644	11.33	0.12	14.00
J-645	11.99	0.09	13.00
J-646	10.74	0.06	14.00
J-643	10.78	0.01	21.00
J-647	10.96	0.05	14.00
J-644	10.82	0.01	21.00
J-648	10.41	0.05	14.00
J-645	10.45	0.00	21.00
J-646	9.42	0.03	22.00
J-649	9.44	0.03	15.00
J-647	9.49	0.00	22.00
J-648	9.77	0.01	22.00
J-650	9.43	0.03	15.00
J-651	9.75	0.03	15.00
J-652	9.77	0.08	18.00
J-653	9.95	0.07	18.00
J-654	9.98	0.02	18.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-655	9.94	0.04	18.00
J-656	9.84	0.08	18.00
J-657	9.06	0.02	20.00
J-658	8.50	0.10	21.00
J-659	8.73	0.27	21.00
J-660	8.79	0.07	21.00
J-661	8.30	0.03	23.00
J-662	9.50	0.02	22.00
J-663	9.55	0.02	23.00
J-649	12.51	0.00	15.00
J-650	12.03	0.00	16.00
J-651	12.28	0.00	15.00
J-652	12.23	0.00	17.00
J-653	10.40	0.00	21.00
J-654	10.66	0.00	21.00
J-664	9.56	0.00	18.00
J-665	8.96	0.00	19.00
J-666	9.50	0.13	15.00
J-667	8.58	0.04	21.00
J-668	8.49	0.05	21.00
J-669	8.05	0.10	14.00
J-670	10.43	0.04	17.00
J-671	9.98	0.09	18.00
J-672	10.37	0.08	17.00
J-673	10.96	0.08	17.00
J-674	10.85	0.09	16.00
J-675	10.76	0.08	17.00
J-676	10.32	0.10	16.00
J-655	9.92	0.02	22.00
J-677	10.14	0.05	19.00
J-656	12.05	0.00	18.00
J-678	7.41	0.00	25.00
J-657	10.49	0.05	22.00
J-679	7.15	0.00	19.00
J-658	10.32	0.00	21.00
J-680	8.18	0.00	16.00
J-659	10.03	0.00	23.00
J-660	9.90	0.00	22.00
J-661	12.06	0.00	17.00
J-681	8.03	0.12	14.00
J-682	8.11	0.00	18.00
J-662	9.46	0.00	23.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-663	10.35	0.00	22.00
J-664	9.45	0.00	23.00
J-683	9.08	0.00	23.00
J-684	9.20	0.03	23.00
J-685	9.97	0.00	22.00
J-686	9.92	0.01	15.00
J-665	9.92	0.00	22.00
J-687	9.94	0.00	20.00
J-666	10.66	0.18	22.00
J-667	10.37	0.09	22.00
J-668	10.64	0.09	21.00
J-669	10.78	0.08	22.00
J-670	10.39	0.07	21.00
J-671	10.37	0.09	21.00
J-672	11.45	0.11	20.00
J-673	11.99	0.05	19.00
J-674	10.37	0.00	24.00
J-675	10.55	0.05	21.00
J-676	10.94	0.07	20.00
J-677	10.00	0.07	21.00
J-678	9.88	0.07	22.00
J-679	9.72	0.04	21.00
J-680	9.42	0.03	22.00
J-681	9.95	0.05	21.00
J-682	10.38	0.06	21.00
J-683	9.83	0.00	22.00
J-684	10.63	0.07	20.00
J-685	11.42	0.07	19.00
J-686	11.36	0.05	19.00
J-687	9.77	0.01	21.00
J-688	10.74	0.04	22.00
J-689	9.81	0.02	21.00
J-690	9.77	0.00	22.00
J-691	9.75	0.01	22.00
J-692	9.76	0.01	20.00
J-693	9.72	0.01	22.00
J-694	9.72	0.00	20.00
J-695	9.77	0.01	22.00
J-696	9.75	0.02	22.00
J-688	8.77	0.00	24.00
J-697	9.77	0.04	21.00
J-698	9.85	0.00	22.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-699	9.84	0.05	21.00
J-700	9.91	0.02	21.00
J-701	9.51	0.01	22.00
J-702	10.86	0.00	21.00
J-703	10.55	0.06	23.00
J-704	11.73	0.00	21.00
J-689	9.23	0.00	23.00
J-705	9.48	0.08	23.00
J-706	9.84	0.01	22.00
J-707	10.18	0.01	21.00
J-708	9.94	0.02	21.00
J-709	11.91	0.00	20.00
J-710	9.91	0.01	22.00
J-711	9.58	0.01	23.00
J-712	11.42	0.09	20.00
CMRL-BULK	11.44	0.12	20.00
J-690	8.22	1.25	24.00
J-691	8.60	0.00	24.00
J-713	12.06	0.02	15.00
J-714	12.05	0.05	17.00
J-715	12.16	0.10	17.00
J-716	12.14	0.08	17.00
J-717	12.14	0.08	17.00
J-718	12.20	0.10	17.00
J-719	12.24	0.06	17.00
J-720	12.23	0.04	17.00
J-721	12.71	0.16	16.00
J-722	12.02	0.10	18.00
J-723	12.03	0.17	18.00
J-724	12.27	0.18	17.00
J-725	12.31	0.04	17.00
J-726	12.32	0.12	16.00
J-727	12.34	0.06	17.00
J-728	12.52	0.12	17.00
J-729	12.71	0.14	16.00
J-730	12.45	0.10	17.00
J-731	12.42	0.09	16.00
J-732	11.24	0.04	19.00
J-733	12.37	0.13	17.00
J-734	12.23	0.10	16.00
J-735	11.23	0.11	19.00
J-692	10.43	0.05	16.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-693	10.84	0.03	14.00
J-694	10.75	0.05	13.00
J-695	9.81	0.03	18.00
J-696	9.85	0.04	18.00
J-697	8.02	0.16	16.00
J-698	8.77	0.14	13.00
J-736	10.74	0.00	20.00
J-737	12.03	0.06	16.00
J-738	12.08	0.00	15.00
J-739	12.16	0.01	15.00
J-740	12.10	0.00	16.00
J-741	12.46	0.00	15.00
J-742	12.38	0.00	15.00
J-743	12.37	0.05	15.00
J-744	12.03	0.06	16.00
J-745	12.21	0.01	15.00
J-746	12.08	0.06	15.00
J-747	12.44	0.00	15.00
J-748	11.25	0.00	20.00
J-749	12.02	0.00	18.00
J-750	12.04	0.00	18.00
J-751	12.15	0.00	18.00
J-752	12.38	0.00	17.00
J-753	12.33	0.03	17.00
J-754	12.32	0.10	16.00
J-755	12.08	0.05	18.00
J-756	10.77	0.00	21.00
J-757	10.70	0.00	21.00
J-758	10.53	0.09	21.00
J-759	11.57	0.00	19.00
J-760	12.03	0.11	19.00
J-761	12.05	0.01	18.00
J-762	12.01	0.02	19.00
J-763	12.02	0.03	19.00
J-764	12.05	0.06	18.00
J-765	12.05	0.02	18.00
J-766	12.04	0.02	18.00
J-767	12.14	0.01	17.00
J-768	12.16	0.05	17.00
J-699	10.46	0.02	14.00
J-700	10.30	0.02	14.00
J-701	8.75	0.00	21.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-702	10.81	0.00	16.00
J-703	9.04	0.00	20.00
J-704	10.80	0.10	17.00
J-705	8.78	0.02	19.00
J-706	8.77	0.00	19.00
J-707	9.97	0.00	18.00
J-708	9.91	0.00	18.00
J-709	9.82	0.00	19.00
J-710	10.61	0.03	14.00
J-711	10.43	0.00	15.00
J-712	10.68	0.00	15.00
J-713	9.44	0.14	15.00
J-714	9.85	0.00	16.00
J-715	10.11	0.00	15.00
J-716	10.55	0.01	15.00
J-717	10.70	0.01	14.00
J-718	9.87	0.07	15.00
J-719	9.57	0.00	15.00
J-720	10.72	0.00	15.00
J-721	10.76	0.05	15.00
J-722	10.81	0.00	16.00
J-723	10.48	0.00	15.00
J-724	11.83	0.00	13.00
J-725	10.49	0.00	15.00
J-726	10.17	0.00	15.00
J-727	11.36	0.00	14.00
J-728	11.64	0.00	13.00
J-729	11.16	0.00	14.00
J-730	11.36	0.03	14.00
J-731	11.56	0.00	13.00
J-732	11.50	0.00	13.00
J-769	10.51	0.02	21.00
J-770	10.41	0.09	22.00
J-771	10.53	0.02	22.00
J-772	10.24	0.00	23.00
J-733	8.41	0.17	14.00
J-734	8.48	0.14	14.00
J-735	8.75	0.14	13.00
J-736	8.18	0.28	16.00
J-737	8.42	0.00	22.00
J-738	8.36	0.10	16.00
J-739	8.31	0.00	15.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-740	8.35	0.00	15.00
J-741	8.37	0.00	14.00
J-742	8.36	0.00	15.00
J-743	8.33	0.00	14.00
J-744	8.15	0.00	16.00
J-745	8.35	0.04	15.00
J-746	8.36	0.00	15.00
J-747	8.41	0.07	16.00
J-748	8.48	0.00	15.00
J-749	8.46	0.00	15.00
J-750	8.54	0.03	14.00
J-751	8.43	0.09	15.00
J-752	8.45	0.00	22.00
J-753	8.42	0.05	21.00
J-754	8.55	0.00	21.00
J-755	9.07	0.11	20.00
J-756	8.35	0.20	22.00
J-757	9.01	0.00	19.00
J-773	12.76	0.00	16.00
J-774	12.18	0.00	17.00
J-775	12.69	0.00	16.00
J-758	8.97	0.00	19.00
J-759	10.90	0.00	14.00
J-760	8.69	0.00	24.00
J-776	9.11	0.12	23.00
J-777	12.03	0.05	15.00
J-778	12.07	0.01	15.00
J-779	12.35	0.06	14.00
J-780	12.30	0.00	15.00
J-781	12.31	0.03	15.00
J-782	12.15	0.02	15.00
J-783	12.47	0.04	16.00
J-784	12.22	0.10	14.00
J-761	11.63	0.20	13.00
J-762	10.62	0.03	14.00
J-785	9.46	0.00	23.00
J-786	11.37	0.03	20.00
J-787	10.30	0.03	21.00
J-788	11.73	0.04	20.00
J-789	10.56	0.02	21.00
J-790	11.34	0.04	20.00
J-791	11.43	0.01	20.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-792	11.68	0.06	20.00
J-793	11.66	0.02	20.00
J-794	11.67	0.01	21.00
J-795	11.84	0.02	21.00
J-796	11.34	0.01	21.00
J-797	11.24	0.01	21.00
J-798	11.75	0.02	21.00
J-799	11.52	0.01	21.00
J-800	11.50	0.01	21.00
J-801	11.62	0.02	21.00
J-802	11.17	0.01	21.00
J-803	11.10	0.01	21.00
J-804	11.32	0.02	21.00
J-805	11.50	0.01	21.00
J-806	11.49	0.01	21.00
J-807	11.07	0.02	21.00
J-808	11.03	0.01	21.00
J-809	10.84	0.01	22.00
J-810	11.33	0.02	21.00
J-811	11.48	0.01	21.00
J-812	11.36	0.01	21.00
J-813	11.55	0.01	21.00
CMDA	11.39	0.06	21.00
J-814	11.64	0.04	20.00
FOOD GRAIN	11.36	0.08	20.00
J-815	11.13	0.03	21.00
J-763	8.58	0.00	23.00
J-764	8.56	0.01	23.00
J-816	10.83	0.07	19.00
J-817	10.18	0.02	21.00
J-818	10.74	0.00	21.00
J-765	8.36	0.04	14.00
J-766	8.37	0.06	14.00
J-767	8.77	0.01	16.00
J-768	8.74	0.03	18.00
J-769	11.34	0.11	14.00
IAS QUARTERS	10.88	0.10	20.00
J-819	11.63	0.05	21.00
J-820	11.71	0.01	21.00
RAIL NAGAR	9.00	0.10	20.00
BASHYAM -2000 FLATS	10.29	4.46	18.00
J-821	10.58	0.03	21.00

JUNCTION TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-822	10.07	0.03	21.00
J-823	10.67	0.02	21.00
J-824	11.39	0.01	19.00
J-825	11.60	0.01	19.00
GREEN PARK HOTEL	9.81	0.21	17.00
RADIANCE FLATS	10.18	2.23	20.00
J-826	10.68	0.10	21.00
J-827	10.77	0.05	20.00
J-828	12.04	0.00	16.00
J-829	10.85	0.01	22.00
J-830	11.19	0.00	21.00
J-831	11.67	0.00	21.00
J-832	11.43	0.00	21.00
J-833	11.53	0.00	20.00
J-834	12.49	0.13	14.00
J-835	10.35	0.00	22.00
J-836	12.02	0.00	19.00
J-770	11.11	0.07	14.00
J-771	8.89	0.00	20.00
J-772	9.78	0.00	15.00
J-837	9.82	0.07	22.00
J-773	10.40	0.02	15.00
J-774	10.42	0.06	15.00
J-775	10.59	0.06	14.00
J-776	10.28	0.00	15.00
J-777	10.42	0.06	15.00
J-778	9.01	0.00	19.00
J-779	9.97	0.00	17.00
J-780	9.92	0.00	15.00
J-781	9.73	0.00	16.00
J-782	8.86	0.00	16.00
J-783	8.75	0.00	16.00
J-784	9.98	0.00	18.00
J-838	9.97	0.00	22.00
J-839	10.34	0.00	22.00
J-785	10.59	0.00	19.00
J-786	7.14	0.00	19.00
J-787	11.64	0.00	19.00
J-788	11.63	0.00	19.00
J-789	9.51	0.00	23.00

RESERVOIR TABLE-CHOOLAIMEDU WDS	
Label	**Elevation (m)**
Chooliamedu UGR	3.86

TANK TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT

Label	Elevation (Base) (m)	Elevation (Minimum) (m)	Elevation (Initial) (m)	Elevation (Maximum) (m)
CHOOLAIMEDU WDS-02 PROPOSED OHT	29.54	29.84	32	34.54

EMF TABLE-CHOOLAIMEDU WDS-02 PROPOSED OHT				
Label	**Diameter (Valve) (mm)**	**Elevation (m)**	**Referenced Pipe**	**Flow (MLD)**
EMF-1(W-127)	600	8.99	P-1007	10.04
EMF-1(W-127)	300	10.33	P-1086	7.73
EMF-1-Tank	900	0.00	P-1143	43.79
EMF-2 (W-129)	400	10.56	P-1008	12.94
EMF-2 TANK	1,600	9.41	P-947	67.05
EMF-2(W-127)	300	10.10	P-1088	5.01
EMF-3 (W-129)	400	10.82	P-1010	12.81
EMF-3(W-127)	200	9.83	P-1090	3.01
EMF-4 (W-129)	300	9.04	P-1012	5.02
EMF-4(W-127)	300	9.50	P-1092	2.88
EMF-5 (W-129)	250	9.08	P-1014	4.48
EMF-5(W-128)	300	12.06	P-1094	8.14
EMF-6 (W-130)	300	8.45	P-1016	7.64
EMF-6(W-128)	300	11.34	P-1096	6.11
EMF-7 (W-130)	450	8.16	P-1018	7.92
EMF-7(W-128)	300	12.01	P-1098	5.24
EMF-8 (W-130)	450	8.18	P-1020	6.20
EMF-8(W-128)	400	10.59	P-1100	5.60

PIPE TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1	J-17	J-18	6	CI/R/DI	100	140	-0.51	0.75	0
P-10	J-40	J-41	15	CI/R/DI	100	140	0.14	0.20	0
P-100	J-24	J-36	43	CI/R/DI	100	140	-0.50	0.74	0
P-101	J-74	J-181	41	CI/R/DI	100	140	-0.05	0.08	0
P-102	J-182	J-157	41	CI/R/DI	100	140	-0.04	0.06	0
P-103	J-183	J-33	49	CI/R/DI	100	140	0.06	0.10	0
P-104	J-184	J-151	41	CI/R/DI	100	140	0.23	0.34	0
P-105	J-71	J-169	41	CI/R/DI	100	140	-0.06	0.09	0
P-106	J-37	J-185	42	CI/R/DI	100	140	-0.29	0.43	0
P-107	J-142	J-186	75	CI/R/DI	100	140	0.11	0.16	0
P-108	J-170	J-187	42	CI/R/DI	100	140	-0.16	0.24	0
P-109	J-189	J-108	42	CI/R/DI	100	140	0.21	0.31	0
P-11	J-42	J-43	16	CI/R/DI	100	140	0.01	0.01	0
P-110	J-175	J-168	43	CI/R/DI	100	140	0.10	0.15	0
P-111	J-191	J-192	42	CI/R/DI	100	140	-0.08	0.11	0
P-112	J-193	J-24	47	CI/R/DI	100	140	-0.17	0.25	0
P-113	J-194	J-195	44	CI/R/DI	100	140	0.02	0.03	0
P-114	J-106	J-196	46	CI/R/DI	100	140	0.05	0.07	0
P-115	J-197	J-198	42	CI/R/DI	100	140	0.04	0.06	0
P-116	J-77	J-150	46	CI/R/DI	100	140	0.44	0.64	0
P-117	J-6	J-199	42	CI/R/DI	100	140	0.04	0.06	0
P-118	J-175	J-200	44	CI/R/DI	100	140	0.04	0.06	0
P-119	J-46	J-141	45	CI/R/DI	100	140	-0.07	0.10	0
P-12	J-45	J-46	17	CI/R/DI	100	140	0.00	0.01	0
P-120	J-141	J-46	60	CI/R/DI	100	140	0.06	0.08	0
P-121	J-197	J-29	45	CI/R/DI	100	140	-0.12	0.18	0
P-122	J-174	J-74	46	CI/R/DI	100	140	0.13	0.19	0
P-123	J-203	J-59	46	CI/R/DI	100	140	-0.05	0.07	0
P-124	J-204	J-197	46	CI/R/DI	100	140	-0.19	0.28	0
P-125	J-121	J-1	46	CI/R/DI	100	140	0.19	0.28	0
P-126	J-206	J-207	46	CI/R/DI	100	140	0.43	0.64	0
P-127	J-67	J-208	47	CI/R/DI	100	140	0.05	0.07	0
P-128	J-180	J-178	46	CI/R/DI	100	140	-0.44	0.64	0
P-129	J-209	J-60	48	CI/R/DI	100	140	-0.02	0.04	0
P-13	J-48	J-49	18	CI/R/DI	100	140	0.07	0.11	0
P-130	J-210	J-97	47	CI/R/DI	100	140	-0.05	0.07	0
P-131	J-211	J-136	45	CI/R/DI	100	140	-0.04	0.07	0
P-132	J-212	J-57	49	CI/R/DI	100	140	-0.19	0.28	0
P-133	J-213	J-41	51	CI/R/DI	100	140	0.23	0.34	0
P-134	J-55	J-214	47	CI/R/DI	100	140	0.50	0.73	0
P-135	J-217	J-218	48	CI/R/DI	100	140	0.22	0.33	0
P-136	J-30	J-219	49	CI/R/DI	100	140	0.05	0.07	0
P-137	J-223	J-213	53	CI/R/DI	100	140	0.07	0.11	0
P-138	J-224	J-225	49	CI/R/DI	100	140	-0.04	0.07	0
P-139	J-129	J-226	62	CI/R/DI	100	140	-0.30	0.45	0
P-14	J-50	J-51	19	CI/R/DI	100	140	0.20	0.29	0
P-140	J-16	J-171	50	CI/R/DI	100	140	-0.16	0.23	0
P-141	J-221	J-174	53	CI/R/DI	100	140	0.13	0.19	0

PIPE TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-142	J-130	J-227	52	CI/R/DI	100	140	0.15	0.21	0
P-143	J-123	J-228	53	CI/R/DI	100	140	-0.41	0.60	0
P-144	J-192	J-110	54	CI/R/DI	100	140	0.28	0.42	0
P-145	J-173	J-231	54	CI/R/DI	100	140	0.23	0.34	0
P-146	J-194	J-232	65	CI/R/DI	100	140	0.05	0.08	0
P-147	J-207	J-233	60	CI/R/DI	100	140	0.21	0.30	0
P-148	J-163	J-234	55	CI/R/DI	100	140	-0.17	0.26	0
P-149	J-235	J-149	59	CI/R/DI	100	140	0.36	0.54	0
P-15	J-52	J-26	16	CI/R/DI	100	140	0.24	0.36	0
P-150	J-185	J-179	53	CI/R/DI	100	140	0.09	0.14	0
P-151	J-168	J-181	72	CI/R/DI	100	140	-0.04	0.06	0
P-152	J-236	J-126	48	CI/R/DI	100	140	-0.42	0.62	0
P-153	J-187	J-2	56	CI/R/DI	100	140	-0.34	0.50	0
P-154	J-221	J-237	56	CI/R/DI	100	140	0.05	0.08	0
P-155	J-441	J-105	99	CI/R/DI	100	140	-0.20	0.30	0
P-156	J-35	J-238	51	CI/R/DI	100	140	0.05	0.07	0
P-157	J-102	J-241	58	CI/R/DI	100	140	-0.12	0.17	0
P-158	J-242	J-58	70	CI/R/DI	100	140	-0.07	0.10	0
P-159	J-212	J-103	54	CI/R/DI	100	140	0.10	0.15	0
P-16	J-57	J-54	20	CI/R/DI	100	140	-0.29	0.43	0
P-160	J-63	J-20	58	CI/R/DI	100	140	0.43	0.63	0
P-161	J-234	J-223	59	CI/R/DI	100	140	-0.39	0.57	0
P-162	J-192	J-184	59	CI/R/DI	100	140	0.03	0.05	0
P-163	J-243	J-72	55	CI/R/DI	100	140	-0.40	0.60	0
P-164	J-86	J-193	60	CI/R/DI	100	140	0.33	0.48	0
P-165	J-245	J-246	60	CI/R/DI	100	140	0.03	0.04	0
P-166	J-247	J-248	60	CI/R/DI	100	140	0.05	0.07	0
P-167	J-12	J-188	63	CI/R/DI	100	140	-0.27	0.40	0
P-168	J-232	J-23	64	CI/R/DI	100	140	-0.21	0.31	0
P-169	J-90	J-13	62	CI/R/DI	100	140	0.14	0.20	0
P-17	J-30	J-59	21	CI/R/DI	100	140	-0.11	0.15	0
P-170	J-166	J-77	65	CI/R/DI	100	140	0.13	0.20	0
P-171	J-41	J-191	65	CI/R/DI	100	140	0.24	0.36	0
P-172	J-249	J-162	66	CI/R/DI	100	140	-0.28	0.41	0
P-173	J-184	J-142	65	CI/R/DI	100	140	0.10	0.14	0
P-174	J-250	J-235	60	CI/R/DI	100	140	0.41	0.60	0
P-175	J-239	J-245	65	CI/R/DI	100	140	-0.12	0.17	0
P-176	J-186	J-152	66	CI/R/DI	100	140	0.11	0.16	0
P-177	J-251	J-87	67	CI/R/DI	100	140	-0.07	0.10	0
P-178	J-89	J-253	67	CI/R/DI	100	140	-0.39	0.57	0
P-179	J-137	J-254	67	CI/R/DI	100	140	0.16	0.23	0
P-18	J-59	J-67	25	CI/R/DI	100	140	-0.24	0.36	0
P-180	J-89	J-124	68	CI/R/DI	100	140	0.06	0.08	0
P-181	J-85	J-255	99	CI/R/DI	100	140	-0.17	0.25	0
P-182	J-257	J-172	70	PVC/R/DI	100	140	-0.03	0.05	0
P-183	J-116	J-258	104	CI/R/DI	100	140	-0.13	0.19	0
P-184	J-259	J-28	69	CI/R/DI	100	140	-0.03	0.05	0
P-185	J-233	J-40	72	CI/R/DI	100	140	0.23	0.33	0

PIPE TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-186	J-254	J-260	73	CI/R/DI	100	140	0.30	0.44	0
P-187	J-260	J-228	75	CI/R/DI	100	140	-0.16	0.23	0
P-188	J-79	J-116	70	CI/R/DI	100	140	-0.34	0.50	0
P-189	J-176	J-25	75	CI/R/DI	100	140	-0.14	0.20	0
P-19	J-17	J-68	23	CI/R/DI	100	140	0.11	0.17	0
P-190	J-15	J-262	71	CI/R/DI	100	140	0.04	0.05	0
P-191	J-39	J-263	76	CI/R/DI	100	140	0.07	0.11	0
P-192	J-162	J-111	76	CI/R/DI	100	140	0.17	0.25	0
P-193	J-108	J-248	77	CI/R/DI	100	140	-0.14	0.21	0
P-194	J-374	J-84	74	CI/R/DI	100	140	0.45	0.67	0
P-195	J-264	J-224	79	CI/R/DI	100	140	0.39	0.58	0
P-196	J-7	J-83	71	CI/R/DI	100	140	0.13	0.19	0
P-197	J-140	J-147	129	CI/R/DI	100	140	-0.30	0.45	0
P-198	J-253	J-220	86	CI/R/DI	100	140	-0.27	0.39	0
P-199	J-247	J-122	82	CI/R/DI	100	140	0.22	0.32	0
P-2	J-20	J-21	9	CI/R/DI	100	140	0.24	0.36	0
P-20	J-4	J-44	28	CI/R/DI	100	140	0.24	0.35	0
P-200	J-67	J-86	113	CI/R/DI	100	140	-0.35	0.51	0
P-201	J-82	J-80	75	CI/R/DI	100	140	-0.15	0.23	0
P-202	J-91	J-78	89	CI/R/DI	100	140	-0.52	0.77	0
P-203	J-204	J-265	110	CI/R/DI	100	140	0.11	0.16	0
P-204	J-32	J-50	77	CI/R/DI	100	140	0.14	0.20	0
P-205	J-266	J-13	77	CI/R/DI	100	140	0.00	0.00	0
P-206	J-51	J-47	77	CI/R/DI	100	140	-0.14	0.21	0
P-207	J-10	J-31	86	CI/R/DI	100	140	0.31	0.45	0
P-208	J-267	J-167	86	CI/R/DI	100	140	-0.13	0.20	0
P-209	J-266	J-91	82	CI/R/DI	100	140	-0.15	0.23	0
P-21	J-69	J-70	26	CI/R/DI	100	140	0.08	0.12	0
P-210	J-81	J-64	86	CI/R/DI	100	140	-0.19	0.28	0
P-211	J-179	J-171	87	CI/R/DI	100	140	-0.15	0.21	0
P-212	J-39	J-204	89	CI/R/DI	100	140	-0.26	0.39	0
P-213	J-268	J-62	90	CI/R/DI	100	140	-0.09	0.13	0
P-214	J-31	J-126	115	CI/R/DI	100	140	-0.31	0.45	0
P-215	J-173	J-37	92	CI/R/DI	100	140	0.04	0.06	0
P-216	J-206	J-213	98	CI/R/DI	100	140	0.36	0.53	0
P-217	J-87	J-153	84	CI/R/DI	100	140	-0.08	0.11	0
P-218	J-36	J-204	96	CI/R/DI	100	140	0.51	0.75	0
P-219	J-45	J-94	131	CI/R/DI	100	140	-0.04	0.06	0
P-22	J-49	J-71	25	CI/R/DI	100	140	-0.24	0.35	0
P-220	J-24	J-197	97	CI/R/DI	100	140	0.34	0.50	0
P-221	J-231	J-24	95	CI/R/DI	100	140	0.29	0.42	0
P-222	J-16	J-154	98	CI/R/DI	100	140	-0.44	0.65	0
P-223	J-18	J-135	92	CI/R/DI	100	140	-0.31	0.46	0
P-224	J-143	J-215	150	CI/R/DI	100	140	0.48	0.71	0
P-225	J-157	J-131	98	CI/R/DI	100	140	-0.24	0.36	0
P-226	J-131	J-264	123	CI/R/DI	100	140	-0.21	0.31	0
P-227	J-217	J-264	98	CI/R/DI	100	140	0.21	0.31	0
P-228	J-163	J-110	103	CI/R/DI	100	140	0.09	0.13	0

PIPE TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-229	J-193	J-29	101	CI/R/DI	100	140	0.29	0.43	0
P-23	J-73	J-74	26	CI/R/DI	100	140	-0.03	0.04	0
P-230	J-223	J-206	108	CI/R/DI	100	140	-0.34	0.49	0
P-231	J-181	J-253	103	CI/R/DI	100	140	-0.04	0.07	0
P-232	J-55	J-218	99	CI/R/DI	100	140	0.38	0.55	0
P-233	J-214	J-217	99	CI/R/DI	100	140	0.03	0.05	0
P-234	J-104	J-128	102	CI/R/DI	100	140	-0.33	0.48	0
P-235	J-133	J-79	140	CI/R/DI	100	140	-0.30	0.44	0
P-236	J-72	J-269	108	CI/R/DI	100	140	0.57	0.84	0
P-237	J-201	J-142	182	CI/R/DI	100	140	-0.25	0.37	0
P-238	J-95	J-167	106	CI/R/DI	100	140	0.03	0.05	0
P-239	J-270	J-26	106	CI/R/DI	100	140	-0.10	0.15	0
P-24	J-75	J-76	26	DI/E	100	130	-0.03	0.04	0
P-240	J-76	J-271	193	DI/E	100	130	-0.15	0.22	0
P-241	J-271	J-76	112	DI/E	100	130	0.20	0.30	0
P-242	J-234	J-191	113	CI/R/DI	100	140	-0.10	0.15	0
P-243	J-8	J-148	111	CI/R/DI	100	140	-0.30	0.44	0
P-244	J-225	J-9	113	CI/R/DI	100	140	-0.10	0.15	0
P-245	J-224	J-222	115	CI/R/DI	100	140	-0.11	0.17	0
P-246	J-245	J-107	114	CI/R/DI	100	140	-0.27	0.39	0
P-247	J-186	J-188	122	CI/R/DI	100	140	-0.26	0.39	0
P-248	J-152	J-12	124	CI/R/DI	100	140	-0.19	0.28	0
P-249	J-226	J-269	206	CI/R/DI	100	140	-0.26	0.38	0
P-25	J-77	J-78	23	CI/R/DI	100	140	-0.57	0.84	0
P-250	J-133	J-27	123	CI/R/DI	100	140	-0.26	0.38	0
P-251	J-21	J-275	127	CI/R/DI	100	140	0.41	0.60	0
P-252	J-66	J-22	123	CI/R/DI	100	140	0.23	0.34	0
P-253	J-201	J-249	127	CI/R/DI	100	140	-0.18	0.27	0
P-254	J-148	J-276	151	CI/R/DI	100	140	0.27	0.40	0
P-255	J-14	J-277	127	DI/P	100	140	0.06	0.09	0
P-256	J-252	J-250	231	CI/R/DI	100	140	-0.40	0.58	0
P-257	J-4	J-169	126	CI/R/DI	100	140	-0.10	0.15	0
P-258	J-260	J-106	140	CI/R/DI	100	140	-0.26	0.39	0
P-259	J-71	J-44	134	CI/R/DI	100	140	0.14	0.20	0
P-26	J-27	J-79	26	CI/R/DI	100	140	-0.40	0.59	0
P-260	J-49	J-56	136	CI/R/DI	100	140	0.13	0.20	0
P-261	J-151	J-140	153	CI/R/DI	100	140	-0.08	0.11	0
P-262	J-69	J-48	137	CI/R/DI	100	140	-0.15	0.22	0
P-263	J-12	J-278	140	CI/R/DI	100	140	-0.28	0.41	0
P-264	J-70	J-101	139	CI/R/DI	100	140	-0.13	0.19	0
P-265	J-149	J-274	152	CI/R/DI	100	140	0.30	0.45	0
P-266	J-85	J-160	173	CI/R/DI	100	140	0.17	0.25	0
P-267	J-150	J-159	177	CI/R/DI	100	140	0.18	0.27	0
P-268	J-218	J-225	179	CI/R/DI	100	140	0.28	0.41	0
P-269	J-228	J-227	181	CI/R/DI	100	140	0.21	0.31	0
P-27	J-47	J-80	26	CI/R/DI	100	140	0.20	0.30	0
P-270	J-130	J-123	182	CI/R/DI	100	140	0.07	0.11	0
P-271	J-115	J-113	182	CI/R/DI	100	140	0.11	0.17	0

PIPE TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-272	J-112	J-114	182	CI/R/DI	100	140	-0.17	0.25	0
P-273	J-119	J-127	184	CI/R/DI	100	140	-0.11	0.17	0
P-274	J-120	J-125	185	CI/R/DI	100	140	-0.12	0.18	0
P-275	J-127	J-134	210	CI/R/DI	100	140	0.13	0.20	0
P-276	J-120	J-124	204	CI/R/DI	100	140	-0.18	0.26	0
P-277	J-159	J-173	213	CI/R/DI	100	140	0.36	0.54	0
P-278	J-271	J-190	207	CI/R/DI	100	140	-0.22	0.33	0
P-279	J-207	J-235	230	CI/R/DI	100	140	-0.32	0.47	0
P-28	J-82	J-83	26	CI/R/DI	100	140	0.25	0.36	0
P-280	J-128	J-243	259	CI/R/DI	100	140	-0.42	0.62	0
P-281	J-243	J-129	259	CI/R/DI	100	140	0.42	0.62	0
P-282	J-5	J-411	240	CI/R/DI	100	140	-0.29	0.42	0
P-283	J-230	J-280	355	DI/P	100	140	0.18	0.26	0
P-284	J-19	J-281	388	CI/R/DI	100	140	0.20	0.29	0
P-285	J-177	J-11	70	CI/R/DI	100	140	-0.22	0.33	0
P-286	J-152	J-267	38	CI/R/DI	100	140	0.13	0.20	0
P-287	J-267	J-45	24	CI/R/DI	100	140	0.12	0.18	0
P-288	J-1	J-92	31	CI/R/DI	100	140	0.11	0.17	0
P-289	J-2	J-81	26	CI/R/DI	100	140	0.01	0.01	0
P-29	J-84	J-85	30	CI/R/DI	100	140	0.32	0.47	0
P-290	J-3	J-180	43	CI/R/DI	100	140	-0.10	0.15	0
P-291	J-185	J-16	87	CI/R/DI	100	140	-0.03	0.04	0
P-292	J-177	J-4	35	CI/R/DI	100	140	0.32	0.48	0
P-293	J-11	J-61	21	CI/R/DI	100	140	0.16	0.24	0
P-294	J-61	J-170	30	CI/R/DI	100	140	0.11	0.17	0
P-295	J-67	J-6	42	CI/R/DI	100	140	-0.16	0.24	0
P-296	J-274	J-278	59	CI/R/DI	100	140	-0.12	0.18	0
P-297	J-278	J-261	62	CI/R/DI	100	140	0.11	0.16	0
P-298	J-7	J-187	45	CI/R/DI	100	140	-0.04	0.06	0
P-299	J-7	J-11	40	CI/R/DI	100	140	0.01	0.02	0
P-3	J-26	J-27	9	CI/R/DI	100	140	0.01	0.02	0
P-30	J-86	J-87	27	CI/R/DI	100	140	0.16	0.24	0
P-300	J-233	J-8	86	CI/R/DI	100	140	-0.23	0.34	0
P-301	J-9	J-222	49	CI/R/DI	100	140	-0.07	0.10	0
P-302	J-126	J-10	32	CI/R/DI	100	140	0.29	0.43	0
P-303	J-64	J-10	32	CI/R/DI	100	140	-0.38	0.55	0
P-304	J-21	J-139	34	CI/R/DI	100	140	0.38	0.56	0
P-305	J-139	J-229	162	CI/R/DI	100	140	0.25	0.36	0
P-306	J-283	J-146	74	CI/R/DI	100	140	0.04	0.05	0
P-307	J-282	J-283	196	CI/R/DI	100	140	-0.24	0.35	0
P-308	J-284	J-247	93	CI/R/DI	100	140	0.38	0.57	0
P-309	J-283	J-284	89	CI/R/DI	100	140	-0.46	0.67	0
P-31	J-88	J-89	27	CI/R/DI	100	140	-0.17	0.26	0
P-310	J-103	J-285	91	CI/R/DI	100	140	-0.08	0.12	0
P-311	J-215	J-14	228	CI/R/DI	100	140	0.23	0.35	0
P-312	J-14	J-230	53	CI/R/DI	100	140	0.38	0.56	0
P-313	J-230	J-19	115	CI/R/DI	100	140	-0.06	0.09	0
P-314	J-109	J-58	57	CI/R/DI	100	140	0.30	0.44	0

PIPE TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-315	J-58	J-190	145	CI/R/DI	100	140	0.42	0.62	0
P-316	J-190	J-153	267	CI/R/DI	100	140	0.05	0.07	0
P-317	J-153	J-98	125	CI/R/DI	100	140	0.18	0.26	0
P-318	J-54	J-286	14	CI/R/DI	100	140	-0.37	0.55	0
P-319	J-229	J-287	104	CI/R/DI	100	140	0.05	0.08	0
P-32	J-90	J-91	22	CI/R/DI	100	140	-0.18	0.27	0
P-320	J-133	J-288	28	CI/R/DI	100	140	0.08	0.11	0
P-321	J-19	J-290	86	CI/R/DI	100	140	0.04	0.06	0
P-322	J-44	J-56	37	CI/R/DI	100	140	0.18	0.27	0
P-323	J-189	J-291	150	CI/R/DI	100	140	-0.16	0.24	0
P-324	J-292	J-189	107	CI/R/DI	100	140	0.20	0.29	0
P-325	J-291	J-292	45	CI/R/DI	100	140	-0.02	0.02	0
P-326	J-248	J-293	155	CI/R/DI	100	140	-0.24	0.36	0
P-327	J-294	J-102	188	CI/R/DI	100	140	-0.08	0.12	0
P-328	J-295	J-194	77	CI/R/DI	100	140	0.17	0.25	0
P-329	J-294	J-295	57	CI/R/DI	100	140	-0.35	0.52	0
P-33	J-70	J-53	26	CI/R/DI	100	140	0.03	0.04	0
P-330	J-295	J-296	88	CI/R/DI	100	140	-0.30	0.45	0
P-331	J-23	J-297	7	CI/R/DI	100	140	0.06	0.09	0
P-332	J-297	J-202	41	CI/R/DI	100	140	0.02	0.03	0
P-333	J-286	J-298	60	CI/R/DI	100	140	-0.05	0.07	0
P-334	J-298	J-229	146	CI/R/DI	100	140	-0.29	0.42	0
P-335	J-297	J-298	149	CI/R/DI	100	140	-0.06	0.09	0
P-336	J-294	J-293	24	CI/R/DI	100	140	0.29	0.43	0
P-337	J-23	J-275	63	CI/R/DI	100	140	-0.34	0.50	0
P-338	J-275	J-296	75	CI/R/DI	100	140	-0.06	0.09	0
P-339	J-232	J-241	66	CI/R/DI	100	140	0.17	0.25	0
P-34	J-62	J-93	191	CI/R/DI	100	140	-0.10	0.15	0
P-340	J-241	J-212	24	CI/R/DI	100	140	-0.03	0.04	0
P-341	J-284	J-285	26	CI/R/DI	100	140	-0.15	0.23	0
P-342	J-285	J-286	52	CI/R/DI	100	140	-0.32	0.48	0
P-343	J-291	J-239	293	CI/R/DI	100	140	0.24	0.36	0
P-344	J-147	J-304	18	CI/R/DI	100	140	0.46	0.68	0
P-345	J-304	J-161	17	CI/R/DI	100	140	0.23	0.34	0
P-346	J-304	J-305	49	CI/R/DI	100	140	0.15	0.21	0
P-347	J-161	J-306	16	CI/R/DI	100	140	-0.30	0.44	0
P-348	J-306	J-307	50	CI/R/DI	100	140	0.17	0.25	0
P-349	J-306	J-308	26	CI/R/DI	100	140	0.13	0.20	0
P-35	J-62	J-93	28	CI/R/DI	100	140	-0.29	0.42	0
P-350	J-308	J-99	36	CI/R/DI	100	140	-0.12	0.17	0
P-351	J-308	J-309	51	CI/R/DI	100	140	0.14	0.20	0
P-352	J-310	J-309	48	CI/R/DI	100	140	-0.05	0.07	0
P-353	J-309	J-307	27	CI/R/DI	100	140	-0.03	0.05	0
P-354	J-307	J-305	34	CI/R/DI	100	140	0.03	0.05	0
P-355	J-305	J-311	48	CI/R/DI	100	140	0.05	0.07	0
P-356	J-258	J-183	124	CI/R/DI	100	140	-0.35	0.52	0
P-357	J-183	J-226	128	CI/R/DI	100	140	-0.34	0.50	0
P-358	J-34	J-312	15	CI/R/DI	100	140	0.47	0.69	0

PIPE TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-359	J-312	J-135	21	CI/R/DI	100	140	0.07	0.11	0
P-36	J-94	J-95	28	CI/R/DI	100	140	-0.26	0.39	0
P-360	J-313	J-18	22	CI/R/DI	100	140	0.31	0.46	0
P-361	J-312	J-313	93	CI/R/DI	100	140	0.27	0.40	0
P-362	J-272	J-315	14	CI/R/DI	100	140	-0.21	0.31	0
P-363	J-315	J-314	58	CI/R/DI	100	140	-0.04	0.06	0
P-364	J-68	J-314	124	CI/R/DI	100	140	-0.11	0.16	0
P-365	J-314	J-272	84	CI/R/DI	100	140	0.09	0.13	0
P-366	J-105	J-273	57	CI/R/DI	100	140	-0.23	0.34	0
P-367	J-315	J-316	103	CI/R/DI	100	140	-0.34	0.50	0
P-368	J-316	J-273	18	CI/R/DI	100	140	-0.16	0.23	0
P-369	J-273	J-317	47	CI/R/DI	100	140	-0.51	0.75	0
P-37	J-96	J-54	28	CI/R/DI	100	140	-0.01	0.02	0
P-370	J-317	J-128	28	CI/R/DI	100	140	0.32	0.48	0
P-371	J-316	J-317	83	CI/R/DI	100	140	-0.38	0.57	0
P-372	J-220	J-318	379	CI/R/DI	100	140	0.37	0.55	0
P-373	J-288	J-319	32	CI/R/DI	100	140	0.16	0.23	0
P-374	J-319	J-279	184	CI/R/DI	100	140	0.19	0.27	0
P-375	J-132	J-320	17	CI/R/DI	100	140	-0.02	0.02	0
P-376	J-320	J-133	34	CI/R/DI	100	140	-0.16	0.23	0
P-377	J-319	J-320	18	CI/R/DI	100	140	-0.07	0.11	0
P-378	J-66	J-244	137	CI/R/DI	100	140	0.44	0.65	0
P-379	J-244	J-143	24	CI/R/DI	100	140	0.34	0.50	0
P-38	J-97	J-98	21	CI/R/DI	100	140	-0.47	0.69	0
P-380	J-68	J-272	144	CI/R/DI	100	140	-0.07	0.10	0
P-381	J-84	J-255	67	CI/R/DI	100	140	-0.03	0.05	0
P-382	J-255	J-109	297	CI/R/DI	100	140	0.21	0.30	0
P-383	J-77	J-321	70	CI/R/DI	100	140	0.07	0.10	0
P-384	J-274	J-276	34	CI/R/DI	100	140	0.19	0.28	0
P-385	J-276	J-99	105	CI/R/DI	100	140	0.18	0.26	0
P-386	J-60	J-289	19	CI/R/DI	100	140	0.08	0.12	0
P-387	J-289	J-256	70	CI/R/DI	100	140	0.04	0.05	0
P-388	J-322	J-20	153	CI/R/DI	100	140	-0.08	0.11	0
P-389	J-244	J-323	18	CI/R/DI	100	140	0.01	0.01	0
P-39	J-99	J-100	31	CI/R/DI	100	140	0.42	0.62	0
P-390	J-324	J-63	113	CI/R/DI	100	140	-0.06	0.08	0
P-391	J-325	J-52	25	CI/R/DI	100	140	-0.02	0.04	0
P-392	J-52	J-288	131	CI/R/DI	100	140	0.27	0.39	0
P-393	J-390	J-65	44	CI/R/DI	100	140	0.37	0.55	0
P-394	J-327	J-42	43	CI/R/DI	100	140	-0.02	0.03	0
P-395	J-222	J-328	164	CI/R/DI	100	140	0.16	0.24	0
P-396	J-329	J-224	161	CI/R/DI	100	140	-0.16	0.23	0
P-397	J-214	J-330	163	CI/R/DI	100	140	0.16	0.23	0
P-398	J-331	J-5	54	CI/R/DI	100	140	-0.05	0.08	0
P-399	J-332	J-64	19	CI/R/DI	100	140	-0.02	0.03	0
P-4	J-28	J-15	12	CI/R/DI	100	140	0.11	0.15	0
P-40	J-51	J-82	28	CI/R/DI	100	140	0.22	0.32	0
P-400	J-92	J-333	22	CI/R/DI	100	140	0.02	0.03	0

PIPE TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-401	J-92	J-334	21	CI/R/DI	100	140	0.02	0.03	0
P-402	J-335	J-121	22	CI/R/DI	100	140	-0.02	0.03	0
P-403	J-64	J-336	15	CI/R/DI	100	140	0.02	0.02	0
P-404	J-126	J-337	16	CI/R/DI	100	140	0.02	0.02	0
P-405	J-338	J-236	16	CI/R/DI	100	140	-0.02	0.02	0
P-406	J-339	J-137	39	CI/R/DI	100	140	-0.04	0.06	0
P-407	J-145	J-340	39	CI/R/DI	100	140	0.04	0.06	0
P-408	J-341	J-176	40	CI/R/DI	100	140	-0.04	0.06	0
P-409	J-342	J-254	41	CI/R/DI	100	140	-0.04	0.06	0
P-41	J-101	J-48	28	CI/R/DI	100	140	-0.15	0.23	0
P-410	J-166	J-343	73	CI/R/DI	100	140	0.39	0.57	0
P-411	J-165	J-344	74	CI/R/DI	100	140	0.29	0.43	0
P-412	J-178	J-345	75	CI/R/DI	100	140	0.30	0.45	0
P-413	J-346	J-180	82	CI/R/DI	100	140	-0.17	0.25	0
P-414	J-347	J-3	83	CI/R/DI	100	140	-0.24	0.36	0
P-415	J-348	J-155	83	CI/R/DI	100	140	-0.10	0.15	0
P-416	J-349	J-154	83	CI/R/DI	100	140	-0.17	0.25	0
P-417	J-171	J-350	33	CI/R/DI	100	140	-0.47	0.70	0
P-418	J-179	J-351	37	CI/R/DI	100	140	0.07	0.10	0
P-419	J-343	J-344	30	DI/P	100	140	-0.07	0.11	0
P-42	J-102	J-103	29	CI/R/DI	100	140	-0.10	0.14	0
P-420	J-344	J-345	41	DI/P	100	140	0.08	0.11	0
P-421	J-345	J-346	48	DI/P	100	140	0.28	0.42	0
P-422	J-346	J-347	38	DI/P	100	140	0.29	0.42	0
P-423	J-347	J-348	29	DI/P	100	140	0.36	0.53	0
P-424	J-348	J-349	34	DI/P	100	140	0.32	0.47	0
P-425	J-350	J-351	87	DI/P	100	140	0.33	0.48	0
P-426	J-351	J-352	139	DI/P	100	140	0.14	0.20	0
P-427	J-349	J-35	64	DI/P	100	140	0.31	0.46	0
P-428	J-35	J-350	38	DI/P	100	140	0.11	0.17	0
P-429	J-355	J-234	47	CI/R/DI	100	140	-0.05	0.07	0
P-43	J-56	J-69	27	CI/R/DI	100	140	0.12	0.17	0
P-430	J-356	J-201	69	CI/R/DI	100	140	-0.07	0.10	0
P-431	J-279	J-357	279	CI/R/DI	100	140	0.27	0.40	0
P-432	J-252	J-207	64	CI/R/DI	100	140	-0.16	0.23	0
P-433	J-358	J-252	134	CI/R/DI	100	140	-0.13	0.19	0
P-434	J-88	J-359	275	CI/R/DI	100	140	0.27	0.40	0
P-435	J-361	J-55	144	CI/R/DI	100	140	0.35	0.51	0
P-436	J-227	J-362	66	CI/R/DI	100	140	0.06	0.10	0
P-437	J-363	J-134	54	CI/R/DI	100	140	-0.05	0.08	0
P-438	J-301	J-260	224	CI/R/DI	100	140	-0.22	0.32	0
P-439	J-365	J-366	104	DI/E	800	130	34.16	0.79	0
P-44	J-104	J-105	29	CI/R/DI	100	140	0.15	0.22	0
P-440	J-366	J-300	280	DI/E	800	130	0.00	0.00	0
P-441	J-366	J-302	290	DI/P	500	140	34.16	2.01	0
P-442	J-353	J-367	52	CI/E	400	80	-5.15	0.47	0
P-443	J-367	J-302	403	CI/E	400	80	-10.41	0.96	0
P-444	J-220	J-369	5	CI/R/DI	200	140	-1.77	0.65	0

PIPE TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-445	J-369	J-221	47	CI/R/DI	100	140	0.34	0.50	0
P-446	J-368	J-369	87	CI/E	300	80	4.95	0.81	0
P-447	J-299	J-370	4	DI/P	500	140	15.65	0.92	0
P-448	J-370	J-326	600	DI/P	300	140	7.17	1.17	0
P-449	J-296	J-371	142	CI/R/DI	100	140	-0.52	0.76	0
P-45	J-22	J-60	29	CI/R/DI	100	140	0.15	0.23	0
P-450	J-371	J-63	21	CI/R/DI	100	140	0.45	0.67	0
P-451	J-302	J-372	416	CI/R/DI	450	140	18.79	1.37	0
P-452	J-299	J-373	60	DI/E	800	130	-15.65	0.36	0
P-453	J-373	J-365	50	DI/E	800	130	-31.01	0.71	0
P-454	J-373	J-374	121	DI/P	400	140	15.36	1.41	0
P-455	J-375	J-153	12	DI/P	400	140	0.67	0.06	0
P-456	J-375	J-98	136	DI/P	150	140	0.49	0.32	0
P-457	J-376	J-375	119	DI/P	250	140	1.01	0.24	0
P-458	J-376	J-86	7	DI/P	150	140	1.03	0.68	0
P-459	J-377	J-185	9	DI/P	150	140	0.54	0.35	0
P-46	J-80	J-7	29	CI/R/DI	100	140	0.28	0.41	0
P-460	J-378	J-178	10	DI/P	150	140	0.99	0.65	0
P-461	J-379	J-3	7	DI/P	200	140	0.78	0.29	0
P-462	J-303	J-380	144	CI/E	300	80	3.01	0.49	0
P-463	J-380	J-109	295	CI/E	300	80	2.14	0.35	0
P-464	J-380	J-255	6	DI/P	200	140	0.87	0.32	0
P-465	J-303	J-381	85	DI/P	400	140	9.15	0.84	0
P-466	J-381	J-378	71	DI/P	400	140	8.12	0.75	0
P-467	J-381	J-166	7	DI/P	150	140	1.03	0.68	0
P-468	J-303	J-78	6	DI/P	200	140	1.20	0.44	0
P-469	J-378	J-382	85	DI/P	150	140	0.89	0.59	0
P-47	J-106	J-25	24	CI/R/DI	100	140	-0.51	0.76	0
P-470	J-382	J-345	4	DI/P	100	140	0.07	0.10	0
P-471	J-377	J-383	39	DI/P	250	140	3.01	0.71	0
P-472	J-383	J-376	162	DI/P	250	140	2.04	0.48	0
P-473	J-383	J-36	14	DI/P	150	140	0.97	0.64	0
P-474	J-375	J-384	261	DI/P	150	140	-0.16	0.10	0
P-475	J-384	J-271	218	DI/P	150	140	0.63	0.41	0
P-476	J-384	J-385	140	DI/P	150	140	-1.25	0.82	0
P-477	J-385	J-109	58	DI/P	200	140	-1.70	0.63	0
P-478	J-385	J-58	3	DI/P	100	140	0.46	0.67	0
P-479	J-382	J-386	88	DI/P	150	140	0.82	0.54	0
P-48	J-107	J-108	30	CI/R/DI	100	140	-0.28	0.41	0
P-480	J-386	J-347	3	DI/P	100	140	-0.02	0.03	0
P-481	J-386	J-350	166	DI/P	150	140	0.84	0.55	0
P-482	J-379	J-387	68	DI/P	250	140	4.15	0.98	0
P-483	J-387	J-377	178	DI/P	250	140	3.55	0.84	0
P-484	J-387	J-154	6	DI/P	150	140	0.60	0.39	0
P-485	J-378	J-388	52	DI/P	300	140	6.23	1.02	0
P-486	J-388	J-379	46	DI/P	300	140	4.92	0.81	0
P-487	J-388	J-159	38	CI/R/DI	100	140	0.45	0.66	0
P-488	J-388	J-160	75	DI/P	150	140	0.82	0.54	0

PIPE TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-489	J-384	J-190	7	DI/P	150	140	0.46	0.30	0
P-49	J-110	J-111	30	CI/R/DI	100	140	0.19	0.28	0
P-490	J-389	J-14	5	DI/P	100	140	0.42	0.62	0
P-491	J-389	J-19	172	DI/P	150	140	0.60	0.39	0
P-492	J-390	J-391	74	DI/P	200	140	1.85	0.68	0
P-493	J-391	J-66	5	DI/P	100	140	0.57	0.84	0
P-494	J-391	J-392	162	DI/P	150	140	1.28	0.84	0
P-495	J-392	J-389	364	DI/P	150	140	1.02	0.67	0
P-496	J-392	J-143	5	DI/P	150	140	0.26	0.17	0
P-497	J-393	J-229	5	DI/P	150	140	0.30	0.19	0
P-498	J-371	J-394	8	DI/P	250	140	3.87	0.91	0
P-499	J-394	J-395	219	DI/P	150	140	1.30	0.85	0
P-5	J-29	J-30	10	CI/R/DI	100	140	0.02	0.03	0
P-50	J-112	J-113	30	CI/R/DI	100	140	-0.10	0.14	0
P-500	J-395	J-295	4	DI/P	100	140	0.33	0.49	0
P-501	J-394	J-396	17	DI/P	200	140	2.57	0.95	0
P-502	J-396	J-63	6	DI/P	150	140	0.13	0.09	0
P-503	J-396	J-397	60	DI/P	200	140	2.44	0.90	0
P-504	J-397	J-393	197	DI/P	200	140	1.80	0.66	0
P-505	J-397	J-21	5	DI/P	100	140	0.64	0.94	0
P-506	J-393	J-398	199	DI/P	200	140	1.50	0.55	0
P-507	J-398	J-286	3	DI/P	200	140	0.71	0.26	0
P-508	J-398	J-284	81	DI/P	150	140	0.79	0.52	0
P-509	J-395	J-399	83	DI/P	150	140	0.97	0.63	0
P-51	J-114	J-115	30	CI/R/DI	100	140	0.29	0.43	0
P-510	J-399	J-293	4	DI/P	100	140	0.33	0.49	0
P-511	J-399	J-291	105	DI/P	150	140	0.64	0.42	0
P-512	J-400	J-72	19	DI/P	100	140	-0.02	0.03	0
P-513	J-402	J-72	6	DI/P	150	140	1.17	0.77	0
P-514	J-402	J-403	56	DI/P	300	140	7.31	1.20	0
P-515	J-403	J-243	5	DI/P	150	140	0.99	0.65	0
P-516	J-403	J-404	251	DI/P	200	140	2.30	0.85	0
P-517	J-404	J-226	60	DI/P	150	140	0.77	0.51	0
P-518	J-405	J-401	320	DI/P	200	140	2.12	0.78	0
P-519	J-404	J-405	32	DI/P	150	140	-0.52	0.34	0
P-52	J-117	J-114	30	CI/R/DI	100	140	-0.12	0.18	0
P-520	J-405	J-317	40	DI/P	150	140	1.37	0.90	0
P-521	J-404	J-406	166	DI/P	200	140	2.05	0.75	0
P-522	J-406	J-34	6	DI/P	200	140	0.83	0.31	0
P-523	J-135	J-407	6	CI/R/DI	150	140	-0.74	0.49	0
P-524	J-407	J-104	80	CI/R/DI	100	140	0.03	0.04	0
P-525	J-406	J-407	36	DI/P	150	140	0.85	0.55	0
P-526	J-401	J-116	7	DI/P	100	140	0.09	0.13	0
P-527	J-401	J-408	72	DI/P	200	140	2.03	0.75	0
P-528	J-408	J-79	5	DI/P	150	140	0.59	0.39	0
P-529	J-408	J-409	57	DI/P	200	140	1.43	0.53	0
P-53	J-118	J-57	31	CI/R/DI	100	140	-0.02	0.02	0
P-530	J-409	J-52	6	DI/P	200	140	0.70	0.26	0

PIPE TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-531	J-409	J-410	157	DI/P	150	140	0.73	0.48	0
P-532	J-410	J-319	3	DI/P	100	140	0.19	0.28	0
P-533	J-410	J-279	186	DI/P	150	140	0.54	0.35	0
P-534	J-412	J-254	8	DI/P	150	140	0.36	0.24	0
P-535	J-412	J-228	144	DI/P	200	140	1.08	0.40	0
P-536	J-413	J-412	95	DI/P	200	140	1.44	0.53	0
P-537	J-413	J-136	5	DI/P	150	140	0.40	0.26	0
P-538	J-414	J-114	5	DI/P	200	140	0.82	0.30	0
P-539	J-414	J-130	67	DI/P	150	140	0.54	0.35	0
P-54	J-119	J-120	31	CI/R/DI	100	140	0.11	0.17	0
P-540	J-415	J-5	4	DI/P	100	140	0.38	0.57	0
P-541	J-411	J-415	236	DI/P	200	140	1.75	0.64	0
P-542	J-415	J-414	56	DI/P	200	140	1.36	0.50	0
P-543	J-416	J-413	75	DI/P	250	140	1.84	0.43	0
P-544	J-416	J-176	8	DI/P	150	140	0.28	0.18	0
P-545	J-411	J-417	29	DI/P	250	140	3.00	0.71	0
P-546	J-417	J-416	64	DI/P	250	140	2.12	0.50	0
P-547	J-417	J-25	10	DI/P	150	140	0.88	0.58	0
P-548	J-418	J-360	70	CI/E	300	80	0.47	0.08	0
P-549	J-418	J-419	68	DI/P	200	140	1.90	0.70	0
P-55	J-101	J-121	31	CI/R/DI	100	140	0.31	0.45	0
P-550	J-419	J-127	72	DI/P	150	140	0.68	0.45	0
P-551	J-419	J-124	6	DI/P	150	140	0.76	0.50	0
P-552	J-419	J-119	256	DI/P	150	140	0.45	0.30	0
P-553	J-420	J-175	4	DI/P	100	140	0.20	0.29	0
P-554	J-220	J-421	102	DI/P	150	140	0.67	0.44	0
P-555	J-421	J-420	43	DI/P	150	140	0.20	0.13	0
P-556	J-421	J-174	3	DI/P	100	140	0.21	0.31	0
P-557	J-421	J-181	90	DI/P	150	140	0.26	0.17	0
P-558	J-369	J-422	79	CI/E	300	80	2.80	0.46	0
P-559	J-422	J-418	73	CI/E	300	80	2.37	0.39	0
P-56	J-122	J-107	31	CI/R/DI	100	140	0.07	0.11	0
P-560	J-422	J-253	4	DI/P	100	140	0.42	0.62	0
P-561	J-250	J-423	66	DI/P	350	140	10.13	1.22	0
P-562	J-423	J-424	276	DI/P	250	140	2.44	0.58	0
P-563	J-424	J-206	6	DI/P	150	140	1.38	0.90	0
P-564	J-423	J-425	50	DI/P	300	140	7.07	1.16	0
P-565	J-426	J-222	194	DI/P	150	140	0.67	0.44	0
P-566	J-426	J-93	153	DI/P	200	140	0.92	0.34	0
P-567	J-426	J-264	7	DI/P	150	140	0.69	0.45	0
P-568	J-427	J-426	103	DI/P	250	140	2.27	0.54	0
P-569	J-427	J-217	6	DI/P	150	140	0.64	0.42	0
P-57	J-113	J-123	31	CI/R/DI	100	140	-0.22	0.33	0
P-570	J-429	J-99	8	DI/P	150	140	0.53	0.35	0
P-571	J-430	J-261	4	DI/P	150	140	0.28	0.19	0
P-572	J-430	J-431	151	DI/P	200	140	1.10	0.41	0
P-573	J-429	J-431	120	DI/P	150	140	0.14	0.09	0
P-574	J-431	J-188	8	DI/P	150	140	0.66	0.43	0

PIPE TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-575	J-431	J-142	192	DI/P	150	140	0.58	0.38	0
P-576	J-432	J-184	58	DI/P	200	140	0.46	0.17	0
P-577	J-432	J-192	7	DI/P	150	140	0.55	0.36	0
P-578	J-433	J-429	67	DI/P	150	140	0.00	0.00	0
P-579	J-433	J-306	5	DI/P	150	140	0.70	0.46	0
P-58	J-124	J-125	32	CI/R/DI	100	140	0.34	0.51	0
P-580	J-428	J-434	33	DI/P	200	140	1.39	0.51	0
P-581	J-434	J-433	56	DI/P	150	140	0.69	0.46	0
P-582	J-434	J-147	7	DI/P	150	140	0.69	0.45	0
P-583	J-424	J-435	102	DI/P	150	140	1.06	0.70	0
P-584	J-435	J-162	155	DI/P	150	140	0.73	0.48	0
P-585	J-435	J-223	7	DI/P	150	140	0.34	0.22	0
P-586	J-436	J-430	60	DI/P	250	140	1.39	0.33	0
P-587	J-436	J-278	3	DI/P	150	140	0.77	0.50	0
P-588	J-361	J-437	146	DI/P	250	140	3.72	0.88	0
P-589	J-437	J-427	161	DI/P	250	140	2.91	0.69	0
P-59	J-125	J-127	32	CI/R/DI	100	140	-0.02	0.03	0
P-590	J-437	J-55	7	DI/P	150	140	0.81	0.53	0
P-591	J-423	J-235	5	DI/P	150	140	0.62	0.41	0
P-592	J-425	J-149	5	DI/P	150	140	0.53	0.35	0
P-593	J-425	J-438	160	DI/P	250	140	2.82	0.67	0
P-594	J-438	J-436	54	DI/P	250	140	2.16	0.51	0
P-595	J-438	J-429	148	DI/P	150	140	0.67	0.44	0
P-596	J-428	J-8	7	DI/P	150	140	0.41	0.27	0
P-597	J-129	J-34	171	CI/R/DI	100	140	0.21	0.31	0
P-598	J-406	J-183	59	DI/P	150	140	0.37	0.24	0
P-599	J-428	J-439	158	DI/P	200	140	1.42	0.52	0
P-6	J-31	J-32	12	CI/R/DI	100	140	0.43	0.64	0
P-60	J-128	J-129	32	CI/R/DI	100	140	0.00	0.00	0
P-600	J-439	J-432	131	DI/P	200	140	1.00	0.37	0
P-601	J-439	J-40	6	DI/P	150	140	0.42	0.27	0
P-602	J-425	J-440	34	DI/P	250	140	3.71	0.88	0
P-603	J-440	J-428	115	DI/P	250	140	3.22	0.76	0
P-604	J-440	J-148	5	DI/P	150	140	0.50	0.33	0
P-605	J-135	J-441	30	CI/R/DI	100	140	0.39	0.58	0
P-606	J-441	J-314	20	CI/R/DI	100	140	0.50	0.73	0
P-607	J-326	FCV-9	31	DI/P	250	140	4.92	1.16	0
P-608	FCV-9	J-371	173	DI/P	250	140	4.92	1.16	0
P-609	J-302	FCV-3	16	CI/E	400	80	4.95	0.46	0
P-61	J-115	J-130	32	CI/R/DI	100	140	-0.06	0.09	0
P-610	FCV-3	J-368	7	CI/E	400	80	4.95	0.46	0
P-611	J-361	J-442	250	CI/E	300	80	3.37	0.55	0
P-612	J-442	J-354	141	CI/E	300	80	0.48	0.08	0
P-613	J-442	CPWD QUARTERS	20	DI/P	200	140	2.89	1.07	0
P-614	J-303	AVM ASTA	58	DI/P	200	140	1.47	0.54	0
P-615	J-374	FCV-1	6	DI/P	400	140	14.83	1.37	0
P-616	FCV-1	J-303	1	DI/P	400	140	14.83	1.37	0

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Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-617	J-370	FCV-2	21	DI/P	350	140	8.48	1.02	0
P-618	FCV-2	J-402	6	DI/P	350	140	8.48	1.02	0
P-619	J-367	FCV-4	9	DI/P	300	140	5.27	0.86	0
P-62	J-93	J-131	32	CI/R/DI	100	140	0.28	0.41	0
P-620	FCV-4	J-411	4	DI/P	300	140	5.27	0.86	0
P-621	J-372	FCV-5	11	CI/E	300	80	7.58	1.24	0
P-622	FCV-5	J-361	6	CI/E	300	80	7.58	1.24	0
P-623	J-372	FCV-6	7	DI/P	350	140	11.22	1.35	0
P-624	FCV-6	J-250	2	DI/P	350	140	11.22	1.35	0
P-625	J-326	FCV-8	9	DI/P	200	140	2.25	0.83	0
P-626	FCV-8	J-390	2	DI/P	200	140	2.25	0.83	0
P-627	J-126	J-443	6	CI/E	300	80	-1.24	0.20	0
P-628	J-444	J-2	5	DI/P	150	140	0.76	0.50	0
P-629	J-444	J-445	100	DI/P	200	140	1.74	0.64	0
P-63	J-136	J-137	32	CI/R/DI	100	140	0.33	0.49	0
P-630	J-445	J-170	4	DI/P	150	140	0.20	0.13	0
P-631	J-445	J-446	77	DI/P	200	140	1.54	0.57	0
P-632	J-446	J-71	4	DI/P	150	140	0.51	0.33	0
P-633	J-443	J-447	166	DI/P	150	140	0.87	0.57	0
P-634	J-447	J-80	6	DI/P	150	140	0.36	0.24	0
P-635	J-447	J-11	74	DI/P	150	140	0.51	0.33	0
P-636	J-443	J-448	36	DI/P	250	140	3.03	0.72	0
P-637	J-448	J-444	147	DI/P	250	140	2.50	0.59	0
P-638	J-448	J-10	4	DI/P	150	140	0.54	0.35	0
P-639	J-446	J-449	45	DI/P	200	140	1.03	0.38	0
P-64	J-138	J-139	37	CI/R/DI	100	140	-0.02	0.03	0
P-640	J-449	J-101	30	DI/P	150	140	0.48	0.31	0
P-641	J-449	J-48	4	DI/P	150	140	0.55	0.36	0
P-642	J-443	FCV-7	52	CI/E	300	80	-5.15	0.84	0
P-643	FCV-7	J-353	12	CI/E	300	80	-5.15	0.84	0
P-644	J-93	SCV-9	5	DI/P	100	140	0.00	0.00	0
P-645	SCV-9	J-450	3	DI/P	100	140	0.00	0.00	0
P-646	J-98	J-205	61	CI/R/DI	100	140	0.06	0.09	0.1
P-647	J-239	J-28	87	CI/R/DI	100	140	0.18	0.27	0
P-648	J-292	J-293	58	CI/R/DI	100	140	-0.29	0.43	0
P-649	R-6	PMP-5	8	MS/P	1,200	140	25.19	0.26	0.1
P-65	J-140	J-141	32	CI/R/DI	100	140	0.27	0.39	0
P-650	PMP-5	J-451	5	MS/P	1,200	140	25.19	0.26	0
P-651	J-452	J-365	52	MS/E	1,200	130	65.17	0.67	0
P-653	J-451	KK nagar new 3.5 ML	6	DI/P	600	140	0.00	1.03	0
P-655	J-451	KK NAGAR EXISTING OHT-	5	DI/P	600	140	25.19	0.00	1.4
P-657	KK nagar new 3.5 ML	J-452	6	DI/P	800	140	65.17	10.69	0

PIPE TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-659	KK NAGAR EXISTING OHT-	J-452	4	DI/P	800	140	0.00	12.19	0
P-66	J-143	J-144	30	CI/R/DI	100	140	0.02	0.02	0
P-660	J-160	SCV-1	34	CI/R/DI	100	140	0.40	0.59	0
P-661	SCV-1	J-231	171	CI/R/DI	100	140	0.40	0.59	0
P-662	J-343	SCV-2	10	CI/R/DI	100	140	0.20	0.29	0
P-663	SCV-2	J-90	152	CI/R/DI	100	140	0.20	0.29	0
P-664	J-33	SCV-3	13	CI/R/DI	100	140	0.27	0.40	0
P-665	SCV-3	J-313	105	CI/R/DI	100	140	0.27	0.40	0
P-666	J-403	SCV-4	230	DI/P	250	140	4.02	0.95	0
P-667	SCV-4	J-405	24	DI/P	250	140	4.02	0.95	0
P-668	J-360	SCV-5	11	CI/R/DI	100	140	0.43	0.64	0
P-669	SCV-5	J-88	30	CI/R/DI	100	140	0.43	0.64	0
P-67	J-81	J-31	33	CI/R/DI	100	140	0.06	0.09	0
P-670	J-134	SCV-6	17	CI/R/DI	100	140	-0.21	0.31	0
P-671	SCV-6	J-119	15	CI/R/DI	100	140	-0.21	0.31	0
P-672	J-117	SCV-7	199	CI/R/DI	100	140	0.15	0.22	0
P-673	SCV-7	J-112	9	CI/R/DI	100	140	0.15	0.22	0
P-674	J-25	SCV-8	52	CI/R/DI	100	140	0.07	0.10	0
P-675	SCV-8	J-364	15	CI/R/DI	100	140	0.07	0.10	0
P-676	J-354	SCV-10	119	CI/R/DI	100	140	0.33	0.49	0
P-677	SCV-10	J-9	27	CI/R/DI	100	140	0.33	0.49	0
P-678	J-188	SCV-11	116	CI/R/DI	100	140	-0.19	0.28	0
P-679	SCV-11	J-261	25	CI/R/DI	100	140	-0.19	0.28	0
P-68	J-145	J-136	33	CI/R/DI	100	140	0.09	0.13	0
P-680	J-111	SCV-12	34	CI/R/DI	100	140	0.17	0.26	0
P-681	SCV-12	J-249	50	CI/R/DI	100	140	0.17	0.26	0
P-682	J-32	SCV-13	7	CI/R/DI	100	140	0.19	0.29	0
P-683	SCV-13	J-47	10	CI/R/DI	100	140	0.19	0.29	0
P-684	J-236	SCV-14	28	CI/R/DI	100	140	0.25	0.37	0
P-685	SCV-14	J-50	68	CI/R/DI	100	140	0.25	0.37	0
P-686	J-65	SCV-15	4	CI/R/DI	100	140	0.07	0.10	0
P-687	SCV-15	J-42	17	CI/R/DI	100	140	0.07	0.10	0
P-688	J-215	SCV-16	43	DI/P	100	140	0.03	0.04	0
P-689	SCV-16	J-216	10	DI/P	100	140	0.03	0.04	0
P-69	J-146	J-122	33	CI/R/DI	100	140	-0.07	0.11	0
P-690	J-240	SCV-17	17	PVC/R/DI	100	140	-0.03	0.04	0
P-691	SCV-17	J-146	40	PVC/R/DI	100	140	-0.03	0.04	0
P-692	J-172	SCV-18	53	CI/R/DI	100	140	-0.11	0.16	0
P-693	SCV-18	J-282	8	CI/R/DI	100	140	-0.11	0.16	0
P-7	J-33	J-34	8	CI/R/DI	100	140	-0.38	0.56	0
P-70	J-8	J-147	33	CI/R/DI	100	140	0.25	0.36	0
P-71	J-5	J-117	33	CI/R/DI	100	140	0.29	0.43	0
P-72	J-148	J-149	30	CI/R/DI	100	140	-0.36	0.53	0
P-73	J-116	J-17	34	CI/R/DI	100	140	-0.33	0.49	0
P-74	J-47	J-2	34	CI/R/DI	100	140	-0.30	0.44	0

PIPE TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-75	J-150	J-85	34	CI/R/DI	100	140	0.00	0.00	0
P-76	J-151	J-152	34	CI/R/DI	100	140	0.09	0.13	0
P-77	J-6	J-97	34	CI/R/DI	100	140	-0.32	0.47	0
P-78	J-154	J-155	34	CI/R/DI	100	140	-0.22	0.33	0
P-79	J-54	J-156	35	CI/R/DI	100	140	0.02	0.03	0
P-8	J-36	J-37	14	CI/R/DI	100	140	-0.19	0.28	0
P-80	J-157	J-158	35	CI/R/DI	100	140	0.03	0.05	0
P-81	J-159	J-160	34	CI/R/DI	100	140	-0.18	0.27	0
P-82	J-162	J-163	35	CI/R/DI	100	140	0.10	0.15	0
P-83	J-65	J-66	35	CI/R/DI	100	140	0.25	0.37	0
P-84	J-57	J-164	35	CI/R/DI	100	140	0.02	0.03	0
P-85	J-95	J-161	37	CI/R/DI	100	140	-0.46	0.68	0
P-86	J-165	J-166	36	CI/R/DI	100	140	-0.34	0.50	0
P-87	J-155	J-3	37	CI/R/DI	100	140	-0.47	0.70	0
P-88	J-167	J-100	38	CI/R/DI	100	140	-0.32	0.48	0
P-89	J-100	J-12	37	CI/R/DI	100	140	0.00	0.01	0
P-9	J-38	J-39	14	CI/R/DI	100	140	-0.01	0.02	0
P-90	J-74	J-168	37	CI/R/DI	100	140	0.01	0.01	0
P-91	J-169	J-170	37	CI/R/DI	100	140	-0.36	0.54	0
P-92	J-141	J-94	37	CI/R/DI	100	140	-0.03	0.04	0
P-93	J-15	J-172	39	CI/R/DI	100	140	0.01	0.01	0
P-94	J-16	J-173	40	CI/R/DI	100	140	0.30	0.44	0
P-95	J-174	J-175	38	CI/R/DI	100	140	0.08	0.11	0
P-96	J-176	J-145	36	CI/R/DI	100	140	0.23	0.34	0
P-97	J-178	J-165	40	CI/R/DI	100	140	0.09	0.14	0
P-98	J-83	J-177	39	CI/R/DI	100	140	0.24	0.35	0
P-99	J-40	J-140	37	CI/R/DI	100	140	0.38	0.56	0

JUNCTION TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-1	10.61	0.07	19
J-2	9.83	0.11	20
J-3	10.97	0.16	23
J-4	10.22	0.19	20
J-5	9.94	0.33	20
J-6	11.58	0.12	21
J-7	10.21	0.18	20
J-8	9.61	0.23	21
J-9	8.09	0.30	22
J-10	9.71	0.15	21
J-11	10.22	0.13	20
J-12	9.32	0.36	21
J-13	10.64	0.14	23
J-14	10.55	0.21	20
J-15	8.42	0.06	21
J-16	10.43	0.27	23
J-17	9.82	0.06	23
J-18	9.72	0.12	23
J-19	10.26	0.30	20
J-20	9.09	0.11	22
J-21	9.44	0.09	22
J-22	9.16	0.08	23
J-23	9.55	0.07	21
J-24	11.7	0.28	21
J-25	9.46	0.16	21
J-26	9.42	0.13	23
J-27	9.76	0.15	23
J-28	8.47	0.04	21
J-29	11.47	0.15	21
J-30	11.71	0.08	21
J-31	9.26	0.24	21
J-32	9.22	0.10	21
J-33	9.07	0.17	24
J-34	9.32	0.19	24
J-35	10.59	0.15	23
J-36	10.71	0.15	22
J-37	10.25	0.14	23
J-38	10.41	0.01	22
J-39	11.4	0.17	21
J-40	9.86	0.12	21
J-41	9.74	0.13	21
J-42	9.51	0.04	23
J-43	9.84	0.01	22
J-44	10.29	0.20	19
J-45	9.22	0.17	21
J-46	9.43	0.12	21

JUNCTION TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-47	9.23	0.15	21
J-48	10.12	0.18	20
J-49	10.52	0.18	19
J-50	9.68	0.19	20
J-51	9.9	0.12	20
J-52	9.47	0.17	23
J-53	10.36	0.03	19
J-54	8.99	0.05	21
J-55	9.23	0.28	22
J-56	10.36	0.20	19
J-57	8.95	0.07	21
J-58	11.48	0.27	22
J-59	11.96	0.09	21
J-60	9.93	0.05	22
J-61	10.03	0.05	20
J-62	8.5	0.30	22
J-63	9.88	0.10	21
J-64	9.74	0.15	20
J-65	9.16	0.05	23
J-66	9.32	0.15	23
J-67	11.37	0.22	21
J-68	9.16	0.28	24
J-69	10.15	0.19	20
J-70	10.67	0.19	19
J-71	10.62	0.20	19
J-72	9.14	0.18	26
J-73	9.36	0.03	23
J-74	10.16	0.15	22
J-75	10.69	0.03	22
J-76	10.6	0.32	22
J-77	10.13	0.20	24
J-78	10.68	0.11	24
J-79	9.75	0.23	23
J-80	9.81	0.13	20
J-81	9.69	0.14	20
J-82	9.96	0.13	20
J-83	10.81	0.13	19
J-84	10.49	0.17	24
J-85	10.52	0.33	23
J-86	11.9	0.20	21
J-87	11.59	0.17	21
J-88	9.17	0.34	23
J-89	9.28	0.16	23
J-90	10.34	0.24	23
J-91	10.88	0.19	23
J-92	10.29	0.07	19

JUNCTION TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-93	8.01	0.25	23
J-94	9.1	0.19	21
J-95	9.58	0.17	21
J-96	8.99	0.01	21
J-97	11.74	0.10	21
J-98	12.56	0.14	20
J-99	9.18	0.17	22
J-100	9.73	0.10	21
J-101	10.23	0.19	20
J-102	8.94	0.14	21
J-103	8.92	0.09	21
J-104	9.58	0.21	24
J-105	9.71	0.18	23
J-106	9.43	0.21	21
J-107	8.69	0.09	21
J-108	8.76	0.07	21
J-109	10.56	0.35	23
J-110	9.69	0.18	21
J-111	9.04	0.19	21
J-112	9.01	0.41	21
J-113	9.24	0.24	21
J-114	9.63	0.24	21
J-115	9.54	0.24	21
J-116	9.74	0.21	23
J-117	9.42	0.27	21
J-118	8.92	0.02	21
J-119	9.29	0.24	23
J-120	10.99	0.41	21
J-121	10.51	0.10	19
J-122	8.64	0.07	21
J-123	9.11	0.26	21
J-124	9.27	0.30	23
J-125	9.45	0.24	23
J-126	9.39	0.21	21
J-127	9.93	0.42	22
J-128	9.18	0.41	24
J-129	9.44	0.51	24
J-130	9.71	0.26	20
J-131	8.7	0.25	22
J-132	9.36	0.02	23
J-133	9.89	0.32	22
J-134	9.77	0.29	22
J-135	9.73	0.11	23
J-136	10.12	0.11	21
J-137	10.28	0.14	20
J-138	9.93	0.02	21

JUNCTION TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-139	9.89	0.12	21
J-140	9.81	0.34	21
J-141	9.56	0.17	21
J-142	9.77	0.32	21
J-143	9.54	0.10	22
J-144	9.62	0.02	22
J-145	9.82	0.11	21
J-146	8.66	0.08	21
J-147	9.36	0.18	21
J-148	9.64	0.29	21
J-149	9.8	0.24	21
J-150	10.28	0.25	24
J-151	9.46	0.22	21
J-152	9.53	0.26	21
J-153	11.44	0.47	21
J-154	10.87	0.21	23
J-155	10.69	0.15	23
J-156	8.91	0.02	21
J-157	8.93	0.17	21
J-158	9.81	0.03	21
J-159	10.13	0.45	24
J-160	10.09	0.40	24
J-161	9.39	0.07	21
J-162	9.69	0.17	21
J-163	9.33	0.19	21
J-164	8.9	0.02	21
J-165	10.34	0.15	24
J-166	10.94	0.17	23
J-167	9.75	0.22	21
J-168	10.1	0.15	22
J-169	10.09	0.20	20
J-170	10.11	0.11	20
J-171	10.17	0.17	23
J-172	8.42	0.08	21
J-173	10.83	0.39	22
J-174	10.8	0.14	22
J-175	10.19	0.13	22
J-176	9.8	0.15	21
J-177	10.45	0.14	19
J-178	10.87	0.16	23
J-179	10.4	0.17	23
J-180	10.31	0.17	24
J-181	9.75	0.21	23
J-182	9.18	0.04	21
J-183	9.09	0.29	24
J-184	9.89	0.16	21

JUNCTION TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-185	10.77	0.18	22
J-186	9.87	0.26	21
J-187	9.53	0.14	20
J-188	9.17	0.32	22
J-189	9.39	0.15	20
J-190	11.41	0.61	21
J-191	9.16	0.22	21
J-192	9.19	0.15	21
J-193	11.48	0.20	21
J-194	9.27	0.09	21
J-195	9.9	0.02	20
J-196	9.87	0.05	21
J-197	11.76	0.23	21
J-198	11.99	0.04	20
J-199	11.54	0.04	21
J-200	10.11	0.04	22
J-201	9.14	0.37	21
J-202	9.32	0.02	21
J-203	11.45	0.05	21
J-204	11.63	0.33	21
J-205	12.5	0.06	20
J-206	9.67	0.25	21
J-207	9.66	0.39	21
J-208	11.92	0.05	21
J-209	9.73	0.02	22
J-210	12.31	0.05	20
J-211	10.03	0.04	21
J-212	8.95	0.06	21
J-213	9.58	0.20	21
J-214	9.66	0.30	21
J-215	9.79	0.22	21
J-216	9.53	0.03	21
J-217	9.38	0.24	21
J-218	9.04	0.32	22
J-219	11.62	0.05	21
J-220	9.8	0.46	23
J-221	10.55	0.15	22
J-222	8.1	0.32	22
J-223	9.5	0.22	21
J-224	8.67	0.40	22
J-225	8.44	0.33	22
J-226	9.68	0.39	24
J-227	9.71	0.29	20
J-228	9.84	0.30	21
J-229	9.51	0.21	21
J-230	10.74	0.26	19

JUNCTION TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-231	10.75	0.35	22
J-232	9.66	0.10	21
J-233	9.89	0.21	21
J-234	9.74	0.27	21
J-235	9.41	0.34	22
J-236	9.35	0.16	21
J-237	9.99	0.05	22
J-238	10.98	0.05	22
J-239	8.5	0.18	21
J-240	8.41	0.03	21
J-241	9	0.07	21
J-242	11.54	0.07	22
J-243	10.65	0.56	24
J-244	9.6	0.09	22
J-245	8.42	0.12	21
J-246	8.73	0.03	21
J-247	8.73	0.12	21
J-248	9.14	0.15	21
J-249	9.33	0.27	21
J-250	9.91	0.29	22
J-251	11.44	0.07	21
J-252	9.34	0.42	21
J-253	9.64	0.25	23
J-254	10.02	0.18	20
J-255	10.23	0.45	24
J-256	9.69	0.04	22
J-257	8.98	0.03	20
J-258	9.34	0.22	23
J-259	8.5	0.03	21
J-260	9.5	0.50	21
J-261	8.47	0.20	22
J-262	8.57	0.04	21
J-263	10.73	0.07	22
J-264	8.65	0.29	22
J-265	11.91	0.11	20
J-266	10.24	0.16	23
J-267	9.77	0.14	21
J-268	8.85	0.09	22
J-269	9.75	0.31	24
J-270	9.7	0.10	23
J-271	10.84	0.50	22
J-272	9.56	0.24	23
J-273	9.21	0.12	24
J-274	9.23	0.24	22
J-275	9.42	0.13	21
J-276	9.67	0.28	21

JUNCTION TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-277	10.56	0.06	20
J-278	9.22	0.26	22
J-279	9.18	0.45	23
J-280	10.7	0.18	19
J-281	10.96	0.20	19
J-282	8.41	0.13	21
J-283	8.64	0.18	21
J-284	8.72	0.10	21
J-285	8.96	0.08	21
J-286	8.95	0.06	21
J-287	9.54	0.05	21
J-288	9.94	0.19	22
J-289	9.93	0.05	22
J-290	10.61	0.04	20
J-291	8.86	0.24	21
J-292	8.81	0.08	21
J-293	8.48	0.09	22
J-294	9.45	0.13	21
J-295	9.7	0.11	21
J-296	9.7	0.15	21
J-297	9.64	0.10	21
J-298	8.98	0.18	21
J-299	10.59	0.00	24
J-300	10.61	0.00	24
J-301	10.13	0.22	20
J-302	10.12	0.00	23
J-303	10.82	0.00	24
J-304	9.13	0.08	22
J-305	9.44	0.13	21
J-306	9.33	0.09	21
J-307	9.49	0.11	21
J-308	9.46	0.11	21
J-309	9.3	0.12	21
J-310	9.3	0.05	21
J-311	9.27	0.05	21
J-312	9.41	0.13	24
J-313	9.36	0.23	24
J-314	9.1	0.26	24
J-315	9.41	0.17	23
J-316	9.11	0.20	24
J-317	9.96	0.15	24
J-318	10.24	0.37	21
J-319	9.21	0.23	23
J-320	9.55	0.07	23
J-321	10.54	0.07	24
J-322	9.59	0.08	21

JUNCTION TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-323	9.6	0.01	22
J-324	9.3	0.06	22
J-325	9.84	0.02	23
J-326	9.33	0.00	23
J-327	9.16	0.02	23
J-328	8.19	0.16	22
J-329	8.52	0.16	22
J-330	9.18	0.16	21
J-331	9.25	0.05	21
J-332	9.59	0.02	21
J-333	10.18	0.02	19
J-334	10.19	0.02	19
J-335	10.75	0.02	19
J-336	9.76	0.02	20
J-337	9.42	0.02	21
J-338	9.73	0.02	20
J-339	10.09	0.04	20
J-340	10.3	0.04	20
J-341	10.82	0.04	20
J-342	10.16	0.04	20
J-343	10.12	0.26	24
J-344	10.43	0.14	23
J-345	10.62	0.16	23
J-346	10.51	0.16	23
J-347	10.84	0.15	23
J-348	10.62	0.14	23
J-349	10.72	0.18	23
J-350	10.56	0.15	23
J-351	10.48	0.26	23
J-352	11.33	0.14	22
J-353	9.13	0.00	22
J-354	8.5	0.14	22
J-355	9.88	0.05	21
J-356	9.3	0.07	21
J-357	10.16	0.27	21
J-358	9.75	0.13	21
J-359	9.66	0.27	22
J-360	9.08	0.04	23
J-361	9.92	0.14	22
J-362	9.54	0.06	21
J-363	9.88	0.05	22
J-364	9.09	0.07	22
J-365	10.17	0.00	25
J-366	10.03	0.00	25
J-367	9.37	0.00	21
J-368	10.17	0.00	23

JUNCTION TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-369	9.63	0.05	23
J-370	10.63	0.00	24
J-371	9.28	0.08	22
J-372	9.86	0.00	22
J-373	10.23	0.00	25
J-374	10.78	0.07	24
J-375	11.51	0.00	21
J-376	11.73	0.00	21
J-377	10.62	0.00	23
J-378	10.87	0.00	23
J-379	10.96	0.00	23
J-380	10.18	0.00	24
J-381	10.92	0.00	23
J-382	10.67	0.00	23
J-383	10.28	0.00	23
J-384	11.37	0.00	22
J-385	11.56	0.00	22
J-386	10.84	0.00	23
J-387	10.9	0.00	23
J-388	10.27	0.04	24
J-389	10.52	0.00	20
J-390	9.54	0.02	23
J-391	9.3	0.00	23
J-392	9.55	0.00	22
J-393	9.52	0.00	21
J-394	9.36	0.00	22
J-395	9.7	0.00	21
J-396	9.79	0.00	22
J-397	9.48	0.00	22
J-398	8.96	0.00	21
J-399	8.61	0.00	22
J-400	10.35	0.02	24
J-401	9.83	0.01	23
J-402	9.17	0.00	26
J-403	10.22	0.00	24
J-404	9.33	0.00	24
J-405	9.08	0.00	25
J-406	9.39	0.00	24
J-407	9.68	0.08	23
J-408	9.68	0.00	23
J-409	9.53	0.00	23
J-410	9.16	0.00	23
J-411	9.39	0.24	21
J-412	9.96	0.00	21
J-413	10.05	0.00	21
J-414	9.67	0.00	21

JUNCTION TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-415	9.83	0.00	21
J-416	9.56	0.00	21
J-417	9.43	0.00	21
J-418	9.25	0.00	23
J-419	9.32	0.00	23
J-420	10.2	0.00	22
J-421	10.81	0.00	22
J-422	9.64	0.00	23
J-423	9.44	0.00	22
J-424	9.66	0.00	21
J-425	9.82	0.00	21
J-426	8.63	0.00	22
J-427	9.36	0.00	21
J-428	9.6	0.00	21
J-429	9.15	0.00	22
J-430	8.48	0.00	22
J-431	9.14	0.00	22
J-432	9.46	0.00	21
J-433	9.35	0.00	21
J-434	9.23	0.00	22
J-435	9.41	0.00	21
J-436	9.18	0.00	22
J-437	9.32	0.00	22
J-438	9.16	0.00	22
J-439	9.78	0.00	21
J-440	9.63	0.00	21
J-441	9.86	0.10	23
J-442	9.72	0.00	21
CPWD QUARTERS	9.59	2.89	21
AVM ASTA	10.58	1.47	24
J-443	9.46	0.00	21
J-444	9.8	0.00	20
J-445	10.11	0.00	20
J-446	10.55	0.00	19
J-447	9.67	0.00	20
J-448	9.71	0.00	21
J-449	10.18	0.00	20
J-450	8.22	0.00	22
J-451	10.13	0.00	24
J-452	10.14	0.00	25

RESERVOIR TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT	
Label	**Elevation (m)**
KK NAGAR NEW WDS	3.94

TANK TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT				
Label	**Elevation (Base) (m)**	**Elevation (Minimum) (m)**	**Elevation (Initial) (m)**	**Elevation (Maximum) (m)**
KK NAGAR EXISTING OHT	30.9	31.05	34	35.90
KK nagar new 3.5 ML	30.9	31.05	35	35.90

EMF TABLE- KK NAGAR WDS-03 EXISTING & PROPOSED OHT				
Label	**Diameter (Valve) (mm)**	**Elevation (m)**	**Referenced Pipe**	**Flow (MLD)**
EMF-1	400	10.81	P-615	14.83
EMF-1 TANK	1,200	10.14	P-651	65.17
EMF-2	350	9.94	P-617	8.48
EMF-3	400	10.13	P-609	4.95
EMF-4	300	9.38	P-619	5.27
EMF-5	300	9.88	P-621	7.58
EMF-6	350	9.89	P-623	11.22
EMF-7	200	9.5	P-625	2.25
EMF-8	250	9.09	P-607	4.92

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1	J-34	J-35	6	CI/R/DI	100	140	0.01	0.02	0.00
P-2	J-42	J-43	7	CI/R/DI	100	140	-0.26	0.38	1.90
P-3	J-44	J-45	5	CI/R/DI	100	140	-0.26	0.39	2.00
P-4	J-48	J-49	6	CI/R/DI	100	140	-0.53	0.78	7.20
P-5	J-50	J-51	6	CI/R/DI	100	140	-0.11	0.16	0.40
P-6	J-53	J-54	6	CI/R/DI	100	140	-0.22	0.32	1.40
P-7	J-58	J-59	8	CI/R/DI	100	140	-0.58	0.86	8.40
P-8	J-60	J-61	7	CI/R/DI	100	140	0.03	0.05	0.00
P-9	J-64	J-65	7	CI/R/DI	100	140	-0.21	0.32	1.30
P-10	J-66	J-67	7	CI/R/DI	100	140	-0.18	0.26	0.90
P-11	J-68	J-69	11	CI/R/DI	100	140	-0.55	0.80	7.40
P-12	J-70	J-71	7	CI/R/DI	100	140	-0.08	0.12	0.20
P-13	J-74	J-75	8	CI/R/DI	100	140	0.26	0.38	1.80
P-14	J-80	J-81	8	CI/R/DI	100	140	-0.09	0.13	0.30
P-15	J-82	J-83	9	CI/R/DI	100	140	0.00	0.00	0.00
P-16	J-84	J-85	9	CI/R/DI	100	140	-0.10	0.15	0.30
P-17	J-86	J-87	9	CI/R/DI	100	140	0.00	0.00	0.00
P-18	J-89	J-90	9	CI/R/DI	100	140	-0.19	0.28	1.10
P-19	J-92	J-84	9	CI/R/DI	100	140	-0.25	0.36	1.70
P-20	J-93	J-94	9	CI/R/DI	100	140	0.04	0.07	0.10
P-21	J-95	J-96	10	CI/R/DI	100	140	-0.08	0.11	0.20
P-22	J-97	J-98	9	CI/R/DI	100	140	0.04	0.06	0.10
P-23	J-99	J-100	10	CI/R/DI	100	140	-0.43	0.63	4.70
P-24	J-102	J-103	10	CI/R/DI	100	140	-0.04	0.06	0.10
P-25	J-104	J-105	10	CI/R/DI	100	140	-0.19	0.28	1.00
P-26	J-106	J-107	10	CI/R/DI	100	140	-0.03	0.04	0.00
P-27	J-109	J-110	12	CI/R/DI	100	140	-0.28	0.41	2.10
P-28	J-114	J-115	11	CI/R/DI	100	140	-0.36	0.53	3.50
P-29	J-117	J-118	11	CI/R/DI	100	140	0.06	0.08	0.10
P-30	J-115	J-125	11	CI/R/DI	100	140	-0.41	0.60	4.30
P-31	J-128	J-129	12	CI/R/DI	100	140	-0.17	0.24	0.80
P-32	J-130	J-131	12	CI/R/DI	100	140	0.10	0.15	0.30
P-33	J-133	J-134	12	CI/R/DI	100	140	-0.13	0.19	0.50
P-34	J-64	J-137	12	CI/R/DI	100	140	0.00	0.01	0.00
P-35	J-138	J-139	12	CI/R/DI	100	140	-0.21	0.31	1.30
P-36	J-140	J-141	12	CI/R/DI	100	140	-0.13	0.19	0.50
P-37	J-142	J-143	12	CI/R/DI	100	140	0.01	0.01	0.00
P-38	J-144	J-145	12	CI/R/DI	100	140	0.05	0.07	0.10
P-39	J-147	J-148	11	CI/R/DI	100	140	0.10	0.15	0.30
P-40	J-151	J-152	11	CI/R/DI	100	140	0.16	0.23	0.70
P-41	J-153	J-154	12	CI/R/DI	100	140	0.04	0.06	0.10
P-42	J-155	J-156	13	CI/R/DI	100	140	-0.11	0.16	0.40
P-43	J-157	J-158	13	CI/R/DI	100	140	0.02	0.03	0.00
P-44	J-159	J-160	13	CI/R/DI	100	140	-0.18	0.27	1.00
P-45	J-161	J-162	15	CI/R/DI	100	140	-0.03	0.05	0.00
P-46	J-26	J-166	17	CI/R/DI	100	140	0.09	0.14	0.30

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-47	J-167	J-168	13	CI/R/DI	100	140	0.01	0.01	0.00
P-48	J-129	J-169	9	CI/R/DI	100	140	-0.27	0.39	2.00
P-49	J-170	J-171	13	CI/R/DI	100	140	0.04	0.06	0.10
P-50	J-172	J-173	13	CI/R/DI	100	140	-0.05	0.07	0.10
P-51	J-65	J-174	20	CI/R/DI	100	140	0.01	0.01	0.00
P-52	J-175	J-176	13	CI/R/DI	100	140	0.11	0.16	0.40
P-53	J-177	J-155	14	CI/R/DI	100	140	-0.08	0.12	0.20
P-54	J-179	J-180	14	CI/R/DI	100	140	-0.32	0.47	2.70
P-55	J-182	J-183	14	CI/R/DI	100	140	0.11	0.16	0.40
P-56	J-184	J-185	14	CI/R/DI	100	140	-0.21	0.31	1.30
P-57	J-186	J-187	14	CI/R/DI	100	140	0.23	0.33	1.40
P-58	J-188	J-189	14	CI/R/DI	100	140	-0.22	0.32	1.40
P-59	J-190	J-191	14	CI/R/DI	100	140	0.00	0.00	0.00
P-60	J-192	J-193	14	CI/R/DI	100	140	-0.15	0.22	0.70
P-61	J-194	J-195	16	CI/R/DI	100	140	-0.43	0.63	4.60
P-62	J-197	J-121	15	CI/R/DI	100	140	0.00	0.01	0.00
P-63	J-198	J-199	15	CI/R/DI	100	140	-0.04	0.06	0.10
P-64	J-107	J-144	15	CI/R/DI	100	140	-0.07	0.10	0.20
P-65	J-160	J-64	15	CI/R/DI	100	140	-0.20	0.30	1.10
P-66	J-200	J-97	16	CI/R/DI	100	140	0.06	0.08	0.10
P-67	J-201	J-150	15	CI/R/DI	100	140	0.01	0.01	0.00
P-68	J-47	J-37	17	CI/R/DI	100	140	-0.01	0.01	0.00
P-69	J-202	J-203	15	CI/R/DI	100	140	-0.14	0.21	0.60
P-70	J-160	J-204	15	CI/R/DI	100	140	0.00	0.01	0.00
P-71	J-205	J-206	15	CI/R/DI	100	140	-0.01	0.01	0.00
P-72	J-176	J-153	16	CI/R/DI	100	140	0.07	0.10	0.20
P-73	J-148	J-208	16	CI/R/DI	100	140	0.38	0.56	3.70
P-74	J-209	J-210	15	CI/R/DI	100	140	-0.18	0.26	0.90
P-75	J-211	J-212	15	CI/R/DI	100	140	0.20	0.30	1.20
P-76	J-213	J-214	16	CI/R/DI	100	140	-0.36	0.52	3.30
P-77	J-215	J-216	19	CI/R/DI	100	140	-0.07	0.11	0.20
P-78	J-217	J-218	15	CI/R/DI	100	140	0.00	0.01	0.00
P-79	J-219	J-77	15	CI/R/DI	100	140	-0.52	0.77	6.80
P-80	J-220	J-221	16	CI/R/DI	100	140	0.02	0.03	0.00
P-81	J-5	J-220	16	CI/R/DI	100	140	0.01	0.01	0.00
P-82	J-94	J-222	16	CI/R/DI	100	140	0.03	0.04	0.00
P-83	J-224	J-225	16	CI/R/DI	100	140	0.02	0.02	0.00
P-84	J-226	J-227	17	CI/R/DI	100	140	0.09	0.14	0.30
P-85	J-222	J-229	16	CI/R/DI	100	140	0.02	0.02	0.00
P-86	J-154	J-224	16	CI/R/DI	100	140	0.03	0.04	0.00
P-87	J-230	J-179	16	CI/R/DI	100	140	-0.27	0.40	2.00
P-88	J-71	J-128	16	CI/R/DI	100	140	-0.13	0.19	0.50
P-89	J-225	J-231	16	CI/R/DI	100	140	0.00	0.01	0.00
P-90	J-232	J-233	16	CI/R/DI	100	140	0.03	0.05	0.00
P-91	J-234	J-209	16	CI/R/DI	100	140	-0.09	0.13	0.20
P-92	J-146	J-235	29	CI/R/DI	100	140	0.01	0.02	0.00

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-93	J-180	J-236	16	CI/R/DI	100	140	-0.23	0.34	1.50
P-94	J-237	J-238	17	CI/R/DI	100	140	0.16	0.23	0.70
P-95	J-229	J-239	16	CI/R/DI	100	140	0.00	0.00	0.00
P-96	J-196	J-240	14	CI/R/DI	100	140	-0.37	0.55	3.60
P-97	J-241	J-242	17	CI/R/DI	100	140	-0.01	0.01	0.00
P-98	J-243	J-244	17	CI/R/DI	100	140	0.45	0.66	5.00
P-99	J-246	J-247	17	CI/R/DI	100	140	-0.16	0.24	0.80
P-100	J-248	J-249	17	CI/R/DI	100	140	-0.35	0.51	3.10
P-101	J-61	J-250	17	CI/R/DI	100	140	-0.17	0.24	0.80
P-102	J-251	J-252	17	CI/R/DI	100	140	-0.01	0.01	0.00
P-103	J-253	J-254	17	CI/R/DI	100	140	0.00	0.00	0.00
P-104	J-255	J-74	17	CI/R/DI	100	140	0.29	0.43	2.30
P-105	J-45	J-184	17	CI/R/DI	100	140	-0.07	0.10	0.10
P-106	J-256	J-133	17	CI/R/DI	100	140	-0.07	0.10	0.10
P-107	J-55	J-257	23	CI/R/DI	100	140	-0.15	0.22	0.70
P-108	J-247	J-258	18	CI/R/DI	100	140	-0.24	0.36	1.60
P-109	J-236	J-248	18	CI/R/DI	100	140	-0.28	0.41	2.10
P-110	J-134	J-138	18	CI/R/DI	100	140	-0.11	0.16	0.40
P-111	J-242	J-259	18	CI/R/DI	100	140	-0.05	0.07	0.10
P-112	J-260	J-261	18	CI/R/DI	100	140	-0.31	0.46	2.60
P-113	J-262	J-263	18	CI/R/DI	100	140	-0.01	0.01	0.00
P-114	J-264	J-93	18	CI/R/DI	100	140	0.05	0.08	0.10
P-115	J-250	J-265	20	CI/R/DI	100	140	0.01	0.01	0.00
P-116	J-266	J-267	18	CI/R/DI	100	140	0.01	0.01	0.00
P-117	J-268	J-149	18	CI/R/DI	100	140	-0.06	0.09	0.10
P-118	J-269	J-270	18	CI/R/DI	100	140	0.01	0.01	0.00
P-119	J-271	J-272	16	CI/R/DI	100	140	0.41	0.61	4.30
P-120	J-187	J-175	19	CI/R/DI	100	140	0.16	0.23	0.70
P-121	J-258	J-277	19	CI/R/DI	100	140	-0.34	0.50	3.00
P-122	J-203	J-198	18	CI/R/DI	100	140	-0.09	0.13	0.20
P-123	J-278	J-279	20	CI/R/DI	100	140	0.00	0.01	0.00
P-124	J-172	J-280	19	CI/R/DI	100	140	0.22	0.32	1.30
P-125	J-51	J-281	19	CI/R/DI	100	140	-0.27	0.40	2.00
P-126	J-261	J-282	19	CI/R/DI	100	140	0.55	0.82	7.50
P-127	J-284	J-285	19	CI/R/DI	100	140	0.13	0.18	0.50
P-128	J-286	J-70	19	CI/R/DI	100	140	-0.48	0.71	5.80
P-129	J-156	J-202	19	CI/R/DI	100	140	-0.14	0.20	0.60
P-130	J-125	J-219	19	CI/R/DI	100	140	-0.47	0.69	5.40
P-131	J-288	J-114	19	CI/R/DI	100	140	-0.28	0.42	2.10
P-132	J-749	J-289	48	CI/R/DI	100	140	0.35	0.52	3.20
P-133	J-290	J-127	13	CI/R/DI	100	140	0.00	0.00	0.00
P-134	J-228	J-31	22	CI/R/DI	100	140	0.06	0.08	0.10
P-135	J-291	J-292	19	CI/R/DI	100	140	0.03	0.04	0.00
P-136	J-293	J-294	19	CI/R/DI	100	140	-0.42	0.62	4.40
P-137	J-252	J-295	19	CI/R/DI	100	140	0.01	0.01	0.00
P-138	J-296	J-106	19	CI/R/DI	100	140	-0.09	0.13	0.30

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-139	J-297	J-298	20	CI/R/DI	100	140	-0.33	0.49	2.90
P-140	J-299	J-300	20	CI/R/DI	100	140	0.03	0.04	0.00
P-141	J-249	J-301	20	CI/R/DI	100	140	-0.40	0.59	4.00
P-142	J-302	J-303	20	CI/R/DI	100	140	0.01	0.01	0.00
P-143	J-37	J-33	23	CI/R/DI	100	140	-0.03	0.04	0.00
P-144	J-304	J-142	20	CI/R/DI	100	140	-0.01	0.01	0.00
P-145	J-210	J-80	20	CI/R/DI	100	140	-0.12	0.17	0.40
P-146	J-305	J-306	20	CI/R/DI	100	140	-0.06	0.09	0.10
P-147	J-87	J-44	20	CI/R/DI	100	140	-0.13	0.20	0.50
P-148	J-13	J-140	20	CI/R/DI	100	140	-0.10	0.15	0.30
P-149	J-10	J-307	20	CI/R/DI	100	140	0.05	0.07	0.10
P-150	J-308	J-309	20	CI/R/DI	100	140	0.24	0.35	1.60
P-151	J-310	J-311	20	CI/R/DI	100	140	-0.28	0.41	2.10
P-152	J-108	J-55	30	CI/R/DI	100	140	-0.06	0.09	0.10
P-153	J-312	J-313	20	CI/R/DI	100	140	0.01	0.01	0.00
P-154	J-314	J-315	20	CI/R/DI	100	140	0.02	0.03	0.00
P-155	J-316	J-317	20	CI/R/DI	100	140	-0.18	0.27	0.90
P-156	J-139	J-92	20	CI/R/DI	100	140	-0.16	0.23	0.70
P-157	J-136	J-319	31	CI/R/DI	100	140	0.39	0.57	3.80
P-158	J-320	J-321	17	CI/R/DI	100	140	-0.08	0.11	0.20
P-159	J-81	J-322	21	CI/R/DI	100	140	-0.18	0.26	0.90
P-160	J-323	J-324	21	CI/R/DI	100	140	-0.25	0.38	1.80
P-161	J-325	J-23	23	CI/R/DI	100	140	0.10	0.15	0.30
P-162	J-311	J-326	19	CI/R/DI	100	140	0.01	0.01	0.00
P-163	J-327	J-60	20	CI/R/DI	100	140	-0.28	0.41	2.00
P-164	J-328	J-147	22	CI/R/DI	100	140	0.46	0.68	5.40
P-165	J-33	J-329	23	CI/R/DI	100	140	0.13	0.19	0.50
P-166	J-263	J-330	21	CI/R/DI	100	140	0.01	0.01	0.00
P-167	J-166	J-122	23	CI/R/DI	100	140	0.07	0.10	0.20
P-168	J-331	J-192	22	CI/R/DI	100	140	-0.09	0.14	0.30
P-169	J-332	J-333	22	CI/R/DI	100	140	0.10	0.14	0.30
P-170	J-334	J-28	22	CI/R/DI	100	140	-0.28	0.41	2.10
P-171	J-85	J-335	22	CI/R/DI	100	140	-0.19	0.28	1.00
P-172	J-336	J-60	22	CI/R/DI	100	140	-0.36	0.52	3.30
P-173	J-28	J-42	26	CI/R/DI	100	140	-0.51	0.76	6.40
P-174	J-337	J-338	22	CI/R/DI	100	140	0.01	0.01	0.00
P-175	J-339	J-340	22	CI/R/DI	100	140	0.05	0.08	0.10
P-176	J-341	J-342	19	CI/R/DI	100	140	-0.49	0.73	6.10
P-177	J-30	J-332	25	CI/R/DI	100	140	0.14	0.21	0.60
P-178	J-272	J-62	30	CI/R/DI	100	140	0.35	0.51	3.10
P-179	J-343	J-344	22	CI/R/DI	100	140	0.14	0.20	0.60
P-180	J-297	J-345	22	CI/R/DI	100	140	0.41	0.60	4.20
P-181	J-346	J-334	23	CI/R/DI	100	140	-0.48	0.71	5.70
P-182	J-347	J-348	21	CI/R/DI	100	140	0.42	0.62	4.50
P-183	J-349	J-350	23	CI/R/DI	100	140	-0.38	0.57	3.80
P-184	J-327	J-142	23	CI/R/DI	100	140	0.04	0.05	0.00

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-185	J-351	J-260	28	CI/R/DI	100	140	-0.17	0.24	0.80
P-186	J-352	J-237	23	CI/R/DI	100	140	-0.01	0.02	0.00
P-187	J-130	J-343	23	CI/R/DI	100	140	0.16	0.23	0.70
P-188	J-353	J-354	22	CI/R/DI	100	140	-0.11	0.16	0.40
P-189	J-355	J-356	23	CI/R/DI	100	140	-0.11	0.16	0.40
P-190	J-350	J-308	23	CI/R/DI	100	140	-0.07	0.10	0.10
P-191	J-357	J-358	22	CI/R/DI	100	140	-0.20	0.29	1.10
P-192	J-349	J-309	24	CI/R/DI	100	140	-0.31	0.45	2.50
P-193	J-359	J-360	23	CI/R/DI	100	140	0.08	0.12	0.20
P-194	J-69	J-361	22	CI/R/DI	100	140	-0.33	0.48	2.80
P-195	J-362	J-363	24	CI/R/DI	100	140	0.14	0.20	0.50
P-196	J-17	J-364	24	CI/R/DI	100	140	-0.04	0.06	0.10
P-197	J-366	J-367	24	CI/R/DI	100	140	-0.35	0.52	3.20
P-198	J-311	J-72	22	CI/R/DI	100	140	-0.31	0.46	2.50
P-199	J-361	J-89	23	CI/R/DI	100	140	-0.44	0.65	4.90
P-200	J-368	J-182	24	CI/R/DI	100	140	-0.06	0.09	0.10
P-201	J-369	J-370	24	CI/R/DI	100	140	0.20	0.29	1.10
P-202	J-49	J-78	25	CI/R/DI	100	140	-0.12	0.18	0.40
P-203	J-371	J-302	26	CI/R/DI	100	140	0.27	0.39	1.90
P-204	J-239	J-231	24	CI/R/DI	100	140	0.00	0.01	0.00
P-205	J-372	J-373	24	CI/R/DI	100	140	0.01	0.01	0.00
P-206	J-374	J-375	21	CI/R/DI	100	140	0.01	0.01	0.00
P-207	J-261	J-117	24	CI/R/DI	100	140	-0.20	0.30	1.20
P-208	J-317	J-378	24	CI/R/DI	100	140	-0.17	0.26	0.90
P-209	J-379	J-25	24	CI/R/DI	100	140	-0.18	0.26	0.90
P-210	J-347	J-381	28	CI/R/DI	100	140	0.13	0.19	0.50
P-211	J-382	J-383	24	CI/R/DI	100	140	0.04	0.06	0.10
P-212	J-225	J-229	25	CI/R/DI	100	140	0.00	0.00	0.00
P-213	J-384	J-385	25	CI/R/DI	100	140	0.00	0.00	0.00
P-214	J-386	J-323	25	CI/R/DI	100	140	-0.01	0.01	0.00
P-215	J-320	J-389	25	CI/R/DI	100	140	0.01	0.01	0.00
P-216	J-364	J-50	25	CI/R/DI	100	140	0.22	0.33	1.40
P-217	J-390	J-391	25	CI/R/DI	100	140	0.00	0.00	0.00
P-218	J-392	J-4	25	CI/R/DI	100	140	-0.14	0.20	0.60
P-219	J-393	J-394	25	CI/R/DI	100	140	-0.24	0.35	1.60
P-220	J-429	J-22	60	CI/R/DI	100	140	0.35	0.52	3.20
P-221	J-395	J-396	22	CI/R/DI	100	140	0.18	0.26	0.90
P-222	J-399	J-400	34	CI/R/DI	100	140	-0.08	0.11	0.20
P-223	J-231	J-177	25	CI/R/DI	100	140	-0.03	0.04	0.00
P-224	J-318	J-119	22	CI/R/DI	100	140	0.13	0.18	0.50
P-225	J-397	J-355	25	CI/R/DI	100	140	-0.06	0.08	0.10
P-226	J-401	J-402	25	CI/R/DI	100	140	0.01	0.01	0.00
P-227	J-403	J-404	25	CI/R/DI	100	140	-0.01	0.01	0.00
P-228	J-405	J-322	25	CI/R/DI	100	140	0.30	0.45	2.40
P-229	J-3	J-406	25	CI/R/DI	100	140	-0.17	0.24	0.80
P-230	J-407	J-408	25	CI/R/DI	100	140	-0.12	0.17	0.40

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-231	J-154	J-94	26	CI/R/DI	100	140	0.00	0.00	0.00
P-232	J-8	J-411	26	CI/R/DI	100	140	-0.06	0.09	0.10
P-233	J-315	J-413	25	CI/R/DI	100	140	-0.10	0.15	0.30
P-234	J-414	J-415	26	CI/R/DI	100	140	0.01	0.02	0.00
P-235	J-416	J-417	26	CI/R/DI	100	140	0.05	0.07	0.10
P-236	J-418	J-419	26	CI/R/DI	100	140	-0.01	0.02	0.00
P-237	J-420	J-421	29	CI/R/DI	100	140	0.06	0.09	0.10
P-238	J-298	J-422	26	CI/R/DI	100	140	-0.37	0.54	3.40
P-239	J-24	J-423	26	CI/R/DI	100	140	0.19	0.28	1.00
P-240	J-15	J-369	27	CI/R/DI	100	140	0.34	0.50	3.00
P-241	J-354	J-359	27	CI/R/DI	100	140	-0.03	0.05	0.00
P-242	J-424	J-425	26	CI/R/DI	100	140	-0.24	0.35	1.50
P-243	J-153	J-93	26	CI/R/DI	100	140	0.01	0.01	0.00
P-244	J-39	J-426	124	CI/R/DI	100	140	0.10	0.14	0.30
P-245	J-427	J-325	26	CI/R/DI	100	140	0.26	0.38	1.80
P-246	J-259	J-428	26	CI/R/DI	100	140	-0.10	0.15	0.30
P-247	J-415	J-429	26	CI/R/DI	100	140	-0.07	0.10	0.10
P-248	J-430	J-431	26	CI/R/DI	100	140	0.34	0.49	2.90
P-249	J-245	J-26	43	CI/R/DI	100	140	0.12	0.18	0.40
P-250	J-433	J-434	27	CI/R/DI	100	140	-0.54	0.80	7.20
P-251	J-435	J-305	35	CI/R/DI	100	140	-0.01	0.02	0.00
P-252	J-436	J-437	27	CI/R/DI	100	140	0.13	0.19	0.50
P-253	J-145	J-416	27	CI/R/DI	100	140	0.00	0.00	0.00
P-254	J-285	J-438	27	CI/R/DI	100	140	0.08	0.13	0.20
P-255	J-439	J-16	27	CI/R/DI	100	140	0.03	0.05	0.00
P-256	J-440	J-136	28	CI/R/DI	100	140	-0.09	0.13	0.20
P-257	J-437	J-441	26	CI/R/DI	100	140	-0.10	0.15	0.30
P-258	J-423	J-442	27	CI/R/DI	100	140	0.01	0.02	0.00
P-259	J-443	J-246	27	CI/R/DI	100	140	0.19	0.28	1.00
P-260	J-444	J-749	29	CI/R/DI	100	140	0.57	0.84	7.70
P-261	J-445	J-17	28	CI/R/DI	100	140	-0.03	0.04	0.00
P-262	J-446	J-447	27	CI/R/DI	100	140	0.38	0.55	3.60
P-263	J-315	J-448	28	CI/R/DI	100	140	0.10	0.14	0.30
P-264	J-449	J-379	27	CI/R/DI	100	140	-0.14	0.21	0.60
P-265	J-450	J-431	27	CI/R/DI	100	140	-0.26	0.38	1.80
P-266	J-413	J-336	27	CI/R/DI	100	140	-0.21	0.31	1.30
P-267	J-281	J-183	30	CI/R/DI	100	140	-0.39	0.58	3.90
P-268	J-451	J-286	28	CI/R/DI	100	140	-0.42	0.62	4.50
P-269	J-79	J-353	28	CI/R/DI	100	140	-0.06	0.09	0.10
P-270	J-90	J-346	28	CI/R/DI	100	140	-0.31	0.46	2.50
P-271	J-340	J-452	35	CI/R/DI	100	140	0.01	0.02	0.00
P-272	J-453	J-454	31	CI/R/DI	100	140	-0.21	0.31	1.20
P-273	J-455	J-456	28	CI/R/DI	100	140	-0.14	0.21	0.60
P-274	J-457	J-458	28	CI/R/DI	100	140	-0.23	0.33	1.40
P-275	J-227	J-459	28	CI/R/DI	100	140	0.12	0.17	0.40
P-276	J-460	J-234	28	CI/R/DI	100	140	-0.07	0.10	0.20

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-277	J-461	J-2	28	CI/R/DI	100	140	-0.02	0.03	0.00
P-278	J-462	J-463	29	CI/R/DI	100	140	0.00	0.01	0.00
P-279	J-464	J-465	28	CI/R/DI	100	140	0.36	0.54	3.40
P-280	J-456	J-466	28	CI/R/DI	100	140	-0.09	0.13	0.20
P-281	J-468	J-469	28	CI/R/DI	100	140	-0.24	0.35	1.60
P-282	J-471	J-50	28	CI/R/DI	100	140	-0.31	0.46	2.50
P-283	J-472	J-473	28	CI/R/DI	100	140	-0.24	0.36	1.60
P-284	J-18	J-474	29	CI/R/DI	100	140	-0.01	0.02	0.00
P-285	J-475	J-161	27	CI/R/DI	100	140	0.37	0.54	3.50
P-286	J-476	J-17	29	CI/R/DI	100	140	-0.37	0.55	3.60
P-287	J-62	J-19	28	CI/R/DI	100	140	0.18	0.26	0.90
P-288	J-305	J-477	28	CI/R/DI	100	140	0.01	0.02	0.00
P-289	J-400	J-86	28	CI/R/DI	100	140	-0.18	0.26	0.90
P-290	J-333	J-478	28	CI/R/DI	100	140	0.01	0.02	0.00
P-291	J-406	J-331	28	CI/R/DI	100	140	-0.16	0.24	0.80
P-292	J-206	J-422	28	CI/R/DI	100	140	0.07	0.10	0.10
P-293	J-479	J-480	28	CI/R/DI	100	140	0.01	0.01	0.00
P-294	J-221	J-481	30	CI/R/DI	100	140	0.00	0.01	0.00
P-295	J-482	J-67	28	CI/R/DI	100	140	0.08	0.12	0.20
P-296	J-483	J-484	28	CI/R/DI	100	140	0.01	0.01	0.00
P-297	J-485	J-486	28	CI/R/DI	100	140	0.06	0.09	0.10
P-298	J-487	J-488	31	CI/R/DI	100	140	0.53	0.78	6.80
P-299	J-489	J-490	29	CI/R/DI	100	140	-0.09	0.13	0.20
P-300	J-141	J-53	29	CI/R/DI	100	140	-0.12	0.17	0.40
P-301	J-491	J-492	29	CI/R/DI	100	140	-0.38	0.57	3.80
P-302	J-493	J-494	28	CI/R/DI	100	140	0.00	0.01	0.00
P-303	J-495	J-496	29	CI/R/DI	100	140	-0.07	0.11	0.20
P-304	J-401	J-345	29	CI/R/DI	100	140	-0.36	0.53	3.30
P-305	J-497	J-498	29	CI/R/DI	100	140	-0.10	0.15	0.30
P-306	J-499	J-180	29	CI/R/DI	100	140	-0.01	0.02	0.00
P-307	J-417	J-500	29	CI/R/DI	100	140	0.03	0.04	0.00
P-308	J-501	J-502	29	CI/R/DI	100	140	0.15	0.22	0.70
P-309	J-503	J-471	29	CI/R/DI	100	140	-0.30	0.44	2.40
P-310	J-120	J-172	29	CI/R/DI	100	140	0.20	0.29	1.10
P-311	J-502	J-109	30	CI/R/DI	100	140	0.11	0.17	0.40
P-312	J-189	J-504	28	CI/R/DI	100	140	-0.39	0.57	3.80
P-313	J-505	J-506	29	CI/R/DI	100	140	0.06	0.09	0.10
P-314	J-441	J-186	29	CI/R/DI	100	140	0.31	0.46	2.60
P-315	J-507	J-508	29	CI/R/DI	100	140	0.02	0.03	0.00
P-316	J-509	J-510	29	CI/R/DI	100	140	0.10	0.15	0.30
P-317	J-382	J-316	29	CI/R/DI	100	140	-0.19	0.28	1.00
P-318	J-273	J-432	45	CI/R/DI	100	140	0.15	0.22	0.70
P-319	J-217	J-320	29	CI/R/DI	100	140	-0.04	0.07	0.10
P-320	J-512	J-513	29	CI/R/DI	100	140	-0.04	0.06	0.10
P-321	J-309	J-363	29	CI/R/DI	100	140	-0.38	0.55	3.60
P-322	J-514	J-248	30	CI/R/DI	100	140	-0.04	0.06	0.10

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-323	J-515	J-68	30	CI/R/DI	100	140	-0.35	0.52	3.20
P-324	J-516	J-310	28	CI/R/DI	100	140	-0.01	0.02	0.00
P-325	J-517	J-518	30	CI/R/DI	100	140	-0.02	0.03	0.00
P-326	J-519	J-520	30	CI/R/DI	100	140	-0.14	0.20	0.60
P-327	J-508	J-253	30	CI/R/DI	100	140	0.00	0.00	0.00
P-328	J-21	J-522	30	CI/R/DI	100	140	0.01	0.02	0.00
P-329	J-422	J-368	30	CI/R/DI	100	140	-0.23	0.34	1.50
P-330	J-280	J-523	30	CI/R/DI	100	140	0.08	0.11	0.20
P-331	J-524	J-525	30	CI/R/DI	100	140	0.32	0.47	2.70
P-332	J-526	J-527	28	CI/R/DI	100	140	0.21	0.31	1.30
P-333	J-356	J-296	30	CI/R/DI	100	140	-0.10	0.15	0.30
P-334	J-528	J-515	28	CI/R/DI	100	140	0.22	0.32	1.30
P-335	J-404	J-529	30	CI/R/DI	100	140	0.01	0.01	0.00
P-336	J-530	J-531	30	CI/R/DI	100	140	0.02	0.03	0.00
P-337	J-363	J-476	30	CI/R/DI	100	140	-0.30	0.44	2.30
P-338	J-362	J-308	30	CI/R/DI	100	140	0.34	0.49	2.90
P-339	J-532	J-533	30	CI/R/DI	100	140	-0.23	0.34	1.50
P-340	J-534	J-111	27	CI/R/DI	100	140	-0.57	0.84	7.90
P-341	J-535	J-536	30	CI/R/DI	100	140	0.35	0.52	3.20
P-342	J-59	J-48	28	CI/R/DI	100	140	-0.30	0.44	2.30
P-343	J-283	J-537	29	CI/R/DI	100	140	0.36	0.53	3.30
P-344	J-365	J-539	26	CI/R/DI	100	140	0.14	0.21	0.60
P-345	J-540	J-541	30	CI/R/DI	100	140	-0.25	0.37	1.70
P-346	J-542	J-15	30	CI/R/DI	100	140	0.25	0.36	1.60
P-347	J-75	J-543	30	CI/R/DI	100	140	0.17	0.25	0.80
P-348	J-544	J-443	30	CI/R/DI	100	140	-0.48	0.70	5.60
P-349	J-407	J-524	30	CI/R/DI	100	140	0.37	0.54	3.50
P-350	J-536	J-407	30	CI/R/DI	100	140	0.31	0.46	2.50
P-351	J-348	J-436	28	CI/R/DI	100	140	0.25	0.37	1.70
P-352	J-545	J-546	30	CI/R/DI	100	140	-0.38	0.55	3.60
P-353	J-547	J-548	31	CI/R/DI	100	140	-0.16	0.24	0.70
P-354	J-277	J-528	30	CI/R/DI	100	140	-0.39	0.58	3.90
P-355	J-12	J-549	36	CI/R/DI	100	140	0.01	0.02	0.00
P-356	J-550	J-551	31	CI/R/DI	100	140	-0.19	0.28	1.00
P-357	J-513	J-518	31	CI/R/DI	100	140	0.17	0.25	0.90
P-358	J-552	J-553	31	CI/R/DI	100	140	0.01	0.02	0.00
P-359	J-216	J-554	31	CI/R/DI	100	140	-0.13	0.19	0.50
P-360	J-517	J-512	31	CI/R/DI	100	140	-0.17	0.25	0.80
P-361	J-410	J-555	31	CI/R/DI	100	140	0.36	0.52	3.20
P-362	J-556	J-557	31	CI/R/DI	100	140	0.28	0.41	2.10
P-363	J-558	J-532	30	CI/R/DI	100	140	0.12	0.18	0.50
P-364	J-559	J-464	31	CI/R/DI	100	140	-0.07	0.11	0.20
P-365	J-233	J-560	31	CI/R/DI	100	140	-0.02	0.03	0.00
P-366	J-561	J-562	31	CI/R/DI	100	140	0.54	0.79	7.00
P-367	J-465	J-563	31	CI/R/DI	100	140	0.21	0.32	1.30
P-368	J-564	J-565	31	CI/R/DI	100	140	0.15	0.22	0.60

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-369	J-383	J-482	31	CI/R/DI	100	140	0.08	0.11	0.20
P-370	J-566	J-567	31	CI/R/DI	100	140	0.33	0.48	2.80
P-371	J-568	J-569	31	DI/P	100	140	0.13	0.20	0.50
P-372	J-570	J-571	64	CI/R/DI	100	140	-0.01	0.01	0.00
P-373	J-570	J-571	64	CI/R/DI	100	140	-0.01	0.01	0.00
P-374	J-542	J-291	31	CI/R/DI	100	140	-0.03	0.05	0.00
P-375	J-572	J-242	31	CI/R/DI	100	140	-0.01	0.02	0.00
P-376	J-569	J-573	30	DI/P	100	140	0.04	0.05	0.00
P-377	J-574	J-545	31	CI/R/DI	100	140	-0.32	0.47	2.60
P-378	J-16	J-220	31	CI/R/DI	100	140	0.03	0.04	0.00
P-379	J-367	J-575	31	CI/R/DI	100	140	-0.43	0.64	4.70
P-380	J-266	J-83	31	CI/R/DI	100	140	-0.02	0.03	0.00
P-381	J-576	J-577	31	CI/R/DI	100	140	-0.16	0.23	0.70
P-382	J-526	J-578	31	CI/R/DI	100	140	0.22	0.33	1.40
P-383	J-579	J-462	31	CI/R/DI	100	140	0.13	0.19	0.50
P-384	J-580	J-581	31	CI/R/DI	100	140	0.01	0.02	0.00
P-385	J-582	J-113	43	CI/R/DI	100	140	0.08	0.12	0.20
P-386	J-41	J-58	34	CI/R/DI	100	140	-0.36	0.53	3.30
P-387	J-586	J-288	32	CI/R/DI	100	140	-0.01	0.02	0.00
P-388	J-587	J-188	32	CI/R/DI	100	140	-0.17	0.24	0.80
P-389	J-54	J-588	31	CI/R/DI	100	140	-0.21	0.32	1.30
P-390	J-551	J-589	32	CI/R/DI	100	140	-0.26	0.38	1.80
P-391	J-779	J-576	76	CI/R/DI	100	140	-0.03	0.05	0.00
P-392	J-301	J-401	32	CI/R/DI	100	140	-0.26	0.38	1.80
P-393	J-67	J-382	32	CI/R/DI	100	140	-0.12	0.17	0.40
P-394	J-590	J-547	31	CI/R/DI	100	140	-0.10	0.15	0.30
P-395	J-512	J-510	32	CI/R/DI	100	140	-0.23	0.34	1.40
P-396	J-365	J-194	30	CI/R/DI	100	140	-0.33	0.49	2.90
P-397	J-185	J-592	32	CI/R/DI	100	140	-0.29	0.43	2.20
P-398	J-593	J-594	33	CI/R/DI	100	140	-0.17	0.25	0.80
P-399	J-531	J-23	34	CI/R/DI	100	140	-0.09	0.13	0.20
P-400	J-490	J-596	32	CI/R/DI	100	140	-0.17	0.25	0.80
P-401	J-597	J-501	30	CI/R/DI	100	140	0.35	0.52	3.20
P-402	J-598	J-540	33	CI/R/DI	100	140	-0.15	0.22	0.60
P-403	J-599	J-600	42	CI/R/DI	100	140	-0.03	0.04	0.00
P-404	J-91	J-601	32	CI/R/DI	100	140	0.01	0.02	0.00
P-405	J-602	J-514	32	CI/R/DI	100	140	-0.21	0.31	1.20
P-406	J-603	J-566	32	CI/R/DI	100	140	0.39	0.58	3.90
P-407	J-604	J-605	32	CI/R/DI	100	140	0.12	0.18	0.50
P-408	J-319	J-606	35	CI/R/DI	100	140	-0.11	0.17	0.40
P-409	J-592	J-607	32	CI/R/DI	100	140	-0.36	0.52	3.30
P-410	J-608	J-609	32	CI/R/DI	100	140	-0.01	0.02	0.00
P-411	J-294	J-610	32	CI/R/DI	100	140	-0.36	0.53	3.30
P-412	J-19	J-387	34	CI/R/DI	100	140	0.15	0.23	0.70
P-413	J-486	J-611	32	CI/R/DI	100	140	0.01	0.02	0.00
P-414	J-333	J-612	32	CI/R/DI	100	140	0.01	0.02	0.00

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-415	J-613	J-232	32	CI/R/DI	100	140	0.02	0.03	0.00
P-416	J-548	J-614	33	CI/R/DI	100	140	-0.27	0.40	2.00
P-417	J-509	J-513	33	CI/R/DI	100	140	0.25	0.36	1.60
P-418	J-557	J-615	33	CI/R/DI	100	140	0.21	0.31	1.20
P-419	J-339	J-65	33	CI/R/DI	100	140	0.24	0.35	1.60
P-420	J-616	J-603	32	CI/R/DI	100	140	0.46	0.68	5.20
P-421	J-492	J-617	33	CI/R/DI	100	140	-0.45	0.66	5.00
P-422	J-618	J-619	33	CI/R/DI	100	140	-0.23	0.33	1.40
P-423	J-22	J-620	81	CI/R/DI	100	140	0.29	0.43	2.30
P-424	J-238	J-487	29	CI/R/DI	100	140	0.32	0.47	2.70
P-425	J-621	J-622	33	CI/R/DI	100	140	0.03	0.05	0.00
P-426	J-46	J-146	37	CI/R/DI	100	140	0.19	0.27	1.00
P-427	J-575	J-623	34	CI/R/DI	100	140	-0.36	0.53	3.30
P-428	J-624	J-128	33	CI/R/DI	100	140	-0.01	0.02	0.00
P-429	J-63	J-170	33	CI/R/DI	100	140	0.11	0.16	0.40
P-430	J-523	J-625	33	CI/R/DI	100	140	-0.06	0.09	0.10
P-431	J-439	J-150	33	CI/R/DI	100	140	0.03	0.05	0.00
P-432	J-379	J-468	33	CI/R/DI	100	140	-0.11	0.17	0.40
P-433	J-510	J-189	32	CI/R/DI	100	140	-0.15	0.21	0.60
P-434	J-626	J-627	35	CI/R/DI	100	140	0.07	0.11	0.20
P-435	J-628	J-629	33	CI/R/DI	100	140	-0.17	0.25	0.80
P-436	J-630	J-631	33	CI/R/DI	100	140	0.01	0.02	0.00
P-437	J-345	J-632	34	CI/R/DI	100	140	0.01	0.02	0.00
P-438	J-537	J-440	31	CI/R/DI	100	140	0.41	0.60	4.20
P-439	J-633	J-491	34	CI/R/DI	100	140	-0.32	0.47	2.60
P-440	J-573	J-634	33	DI/P	100	140	-0.08	0.11	0.20
P-441	J-635	J-556	34	CI/R/DI	100	140	0.35	0.52	3.20
P-442	J-352	J-472	31	CI/R/DI	100	140	-0.38	0.57	3.80
P-443	J-636	J-637	34	CI/R/DI	100	140	0.07	0.11	0.20
P-444	J-638	J-24	34	CI/R/DI	100	140	0.20	0.30	1.20
P-445	J-504	J-639	33	CI/R/DI	100	140	0.28	0.42	2.10
P-446	J-640	J-641	34	CI/R/DI	100	140	0.09	0.13	0.20
P-447	J-79	J-642	30	CI/R/DI	100	140	0.00	0.01	0.00
P-448	J-643	J-112	31	CI/R/DI	100	140	-0.21	0.31	1.20
P-449	J-152	J-99	33	CI/R/DI	100	140	-0.36	0.53	3.40
P-450	J-239	J-177	48	CI/R/DI	100	140	-0.02	0.03	0.00
P-451	J-98	J-461	33	CI/R/DI	100	140	0.02	0.03	0.00
P-452	J-644	J-574	34	CI/R/DI	100	140	-0.21	0.31	1.20
P-453	J-46	J-40	45	CI/R/DI	100	140	-0.16	0.24	0.80
P-454	J-584	J-645	34	DI/E	100	130	-0.10	0.15	0.40
P-455	J-306	J-193	35	CI/R/DI	100	140	-0.17	0.25	0.80
P-456	J-646	J-647	36	CI/R/DI	100	140	0.01	0.02	0.00
P-457	J-332	J-648	34	CI/R/DI	100	140	0.01	0.02	0.00
P-458	J-649	J-650	35	CI/R/DI	100	140	0.01	0.02	0.00
P-459	J-651	J-652	47	CI/R/DI	100	140	-0.01	0.01	0.00
P-460	J-653	J-11	35	CI/R/DI	100	140	0.14	0.20	0.60

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-461	J-504	J-509	33	CI/R/DI	100	140	0.38	0.56	3.60
P-462	J-131	J-654	35	CI/R/DI	100	140	0.08	0.12	0.20
P-463	J-485	J-234	35	CI/R/DI	100	140	0.01	0.01	0.00
P-464	J-180	J-602	35	CI/R/DI	100	140	-0.14	0.20	0.60
P-465	J-157	J-657	35	CI/R/DI	100	140	0.00	0.01	0.00
P-466	J-654	J-658	34	CI/R/DI	100	140	0.02	0.03	0.00
P-467	J-510	J-188	44	CI/R/DI	100	140	-0.03	0.04	0.00
P-468	J-659	J-660	37	CI/R/DI	100	140	0.01	0.02	0.00
P-469	J-105	J-496	33	CI/R/DI	100	140	-0.11	0.16	0.40
P-470	J-474	J-102	36	CI/R/DI	100	140	-0.03	0.04	0.00
P-471	J-199	J-105	36	CI/R/DI	100	140	0.10	0.15	0.30
P-472	J-594	J-366	35	CI/R/DI	100	140	-0.52	0.76	6.50
P-473	J-27	J-53	37	CI/R/DI	100	140	-0.07	0.11	0.20
P-474	J-664	J-665	34	CI/R/DI	100	140	0.36	0.53	3.30
P-475	J-666	J-30	35	CI/R/DI	100	140	-0.01	0.02	0.00
P-476	J-9	J-380	36	CI/R/DI	100	140	0.08	0.12	0.20
P-477	J-140	J-667	37	CI/R/DI	100	140	0.00	0.00	0.00
P-478	J-450	J-284	36	CI/R/DI	100	140	0.24	0.36	1.60
P-479	J-426	J-668	38	CI/R/DI	100	140	0.23	0.33	1.40
P-480	J-669	J-670	45	CI/R/DI	100	140	0.02	0.03	0.00
P-481	J-671	J-672	37	CI/R/DI	100	140	0.07	0.11	0.20
P-482	J-394	J-506	36	CI/R/DI	100	140	-0.30	0.45	2.40
P-483	J-673	J-674	36	CI/R/DI	100	140	-0.06	0.08	0.10
P-484	J-675	J-676	36	CI/R/DI	100	140	-0.11	0.17	0.40
P-485	J-329	J-226	35	CI/R/DI	100	140	0.11	0.16	0.30
P-486	J-434	J-293	36	CI/R/DI	100	140	-0.06	0.08	0.10
P-487	J-679	J-626	34	CI/R/DI	100	140	0.00	0.01	0.00
P-488	J-498	J-680	37	CI/R/DI	100	140	-0.14	0.21	0.60
P-489	J-525	J-542	37	CI/R/DI	100	140	0.28	0.41	2.10
P-490	J-681	J-682	37	CI/R/DI	100	140	0.07	0.10	0.20
P-491	J-213	J-372	40	CI/R/DI	100	140	0.42	0.62	4.40
P-492	J-683	J-171	37	CI/R/DI	100	140	0.00	0.01	0.00
P-493	J-684	J-685	37	CI/R/DI	100	140	-0.36	0.54	3.40
P-494	J-686	J-687	37	CI/R/DI	100	140	0.02	0.02	0.00
P-495	J-688	J-689	37	CI/R/DI	100	140	0.02	0.02	0.00
P-496	J-274	J-690	36	CI/R/DI	100	140	0.09	0.14	0.30
P-497	J-682	J-691	51	CI/R/DI	100	140	0.02	0.02	0.00
P-498	J-515	J-692	40	CI/R/DI	100	140	0.40	0.58	4.00
P-499	J-314	J-693	36	CI/R/DI	100	140	-0.15	0.23	0.70
P-500	J-665	J-519	39	CI/R/DI	100	140	0.12	0.17	0.40
P-501	J-589	J-675	38	CI/R/DI	100	140	-0.18	0.26	0.90
P-502	J-694	J-695	38	CI/R/DI	100	140	-0.05	0.08	0.10
P-503	J-696	J-697	40	CI/R/DI	100	140	-0.21	0.31	1.20
P-504	J-34	J-698	37	CI/R/DI	100	140	0.23	0.33	1.40
P-505	J-460	J-486	38	CI/R/DI	100	140	-0.02	0.03	0.00
P-506	J-47	J-699	39	CI/R/DI	100	140	0.00	0.01	0.00

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-507	J-111	J-526	37	CI/R/DI	100	140	0.47	0.69	5.40
P-508	J-17	J-700	40	CI/R/DI	100	140	-0.41	0.60	4.20
P-509	J-667	J-27	38	CI/R/DI	100	140	-0.10	0.15	0.30
P-510	J-701	J-381	35	CI/R/DI	100	140	-0.18	0.26	0.90
P-511	J-253	J-507	52	CI/R/DI	100	140	-0.01	0.02	0.00
P-512	J-340	J-702	39	CI/R/DI	100	140	0.01	0.02	0.00
P-513	J-531	J-703	38	CI/R/DI	100	140	0.16	0.24	0.80
P-514	J-447	J-704	39	CI/R/DI	100	140	0.21	0.31	1.20
P-515	J-419	J-393	39	CI/R/DI	100	140	-0.10	0.15	0.30
P-516	J-705	J-179	39	CI/R/DI	100	140	-0.02	0.02	0.00
P-517	J-206	J-480	40	CI/R/DI	100	140	-0.11	0.16	0.30
P-518	J-338	J-706	40	CI/R/DI	100	140	-0.07	0.11	0.20
P-519	J-538	J-546	40	CI/R/DI	100	140	-0.36	0.53	3.30
P-520	J-463	J-643	38	CI/R/DI	100	140	-0.09	0.13	0.20
P-521	J-707	J-708	36	CI/R/DI	100	140	0.00	0.01	0.00
P-522	J-506	J-684	40	CI/R/DI	100	140	-0.29	0.42	2.20
P-523	J-709	J-593	40	CI/R/DI	100	140	0.23	0.33	1.40
P-524	J-193	J-451	40	CI/R/DI	100	140	-0.36	0.53	3.30
P-525	J-169	J-215	40	CI/R/DI	100	140	-0.33	0.49	2.80
P-526	J-682	J-710	40	CI/R/DI	100	140	0.01	0.02	0.00
P-527	J-711	J-712	40	CI/R/DI	100	140	0.01	0.02	0.00
P-528	J-659	J-646	40	CI/R/DI	100	140	-0.54	0.79	7.00
P-529	J-162	J-713	40	CI/R/DI	100	140	-0.07	0.11	0.20
P-530	J-73	J-169	48	CI/R/DI	100	140	-0.34	0.51	3.00
P-531	J-376	J-630	40	CI/R/DI	100	140	-0.02	0.03	0.00
P-532	J-588	J-602	41	CI/R/DI	100	140	-0.21	0.31	1.30
P-533	J-541	J-714	40	CI/R/DI	100	140	-0.01	0.02	0.00
P-534	J-396	J-625	41	DI/P	100	140	0.19	0.29	1.10
P-535	J-1	J-271	42	CI/R/DI	100	140	0.09	0.14	0.30
P-536	J-109	J-405	40	CI/R/DI	100	140	0.36	0.54	3.40
P-537	J-715	J-545	41	CI/R/DI	100	140	-0.02	0.02	0.00
P-538	J-716	J-426	37	CI/R/DI	100	140	0.21	0.31	1.20
P-539	J-717	J-217	41	CI/R/DI	100	140	-0.01	0.02	0.00
P-540	J-718	J-719	41	CI/R/DI	100	140	0.08	0.12	0.20
P-541	J-720	J-579	40	CI/R/DI	100	140	-0.41	0.60	4.20
P-542	J-636	J-159	42	CI/R/DI	100	140	-0.52	0.76	6.50
P-543	J-543	J-721	41	CI/R/DI	100	140	0.02	0.02	0.00
P-544	J-722	J-314	58	CI/R/DI	100	140	-0.08	0.13	0.20
P-545	J-371	J-839	40	CI/R/DI	100	140	-0.04	0.06	0.10
P-546	J-422	J-479	41	CI/R/DI	100	140	-0.12	0.18	0.40
P-547	J-203	J-268	41	CI/R/DI	100	140	-0.08	0.12	0.20
P-548	J-552	J-423	39	CI/R/DI	100	140	-0.14	0.21	0.60
P-549	J-488	J-585	43	CI/R/DI	100	140	0.44	0.65	4.80
P-550	J-724	J-285	41	CI/R/DI	100	140	-0.01	0.02	0.00
P-551	J-580	J-1185	41	CI/R/DI	100	140	-0.18	0.27	0.90
P-552	J-725	J-726	42	CI/R/DI	100	140	0.10	0.15	0.30

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-553	J-421	J-266	41	CI/R/DI	100	140	0.01	0.02	0.00
P-554	J-698	J-427	41	CI/R/DI	100	140	0.30	0.44	2.30
P-555	J-489	J-257	42	CI/R/DI	100	140	-0.04	0.06	0.10
P-556	J-149	J-198	42	CI/R/DI	100	140	0.07	0.10	0.20
P-557	J-159	J-475	41	CI/R/DI	100	140	-0.37	0.54	3.40
P-558	J-27	J-230	42	CI/R/DI	100	140	-0.11	0.17	0.40
P-559	J-727	J-728	42	CI/R/DI	100	140	0.02	0.03	0.00
P-560	J-582	J-113	341	CI/R/DI	100	140	0.03	0.04	0.00
P-561	J-244	J-686	42	CI/R/DI	100	140	0.34	0.50	3.00
P-562	J-360	J-38	42	CI/R/DI	100	140	0.09	0.13	0.20
P-563	J-8	J-199	42	CI/R/DI	100	140	0.10	0.15	0.30
P-564	J-729	J-730	43	CI/R/DI	100	140	0.08	0.12	0.20
P-565	J-335	J-731	42	CI/R/DI	100	140	-0.18	0.26	0.90
P-566	J-693	J-327	42	CI/R/DI	100	140	-0.21	0.30	1.20
P-567	J-732	J-733	42	CI/R/DI	100	140	0.02	0.02	0.00
P-568	J-692	J-424	54	CI/R/DI	100	140	0.11	0.16	0.40
P-569	J-344	J-290	44	CI/R/DI	100	140	0.01	0.01	0.00
P-570	J-605	J-734	43	CI/R/DI	100	140	0.12	0.18	0.50
P-571	J-19	J-421	39	CI/R/DI	100	140	-0.01	0.01	0.00
P-572	J-695	J-735	42	CI/R/DI	100	140	-0.06	0.09	0.10
P-573	J-735	J-695	182	CI/R/DI	100	140	0.03	0.04	0.00
P-574	J-324	J-736	43	CI/R/DI	100	140	0.02	0.03	0.00
P-575	J-737	J-41	45	CI/R/DI	100	140	-0.30	0.45	2.40
P-576	J-173	J-738	43	CI/R/DI	100	140	-0.21	0.31	1.20
P-577	J-301	J-739	43	CI/R/DI	100	140	0.02	0.03	0.00
P-578	J-740	J-701	43	CI/R/DI	100	140	-0.18	0.27	1.00
P-579	J-641	J-559	43	CI/R/DI	100	140	0.13	0.19	0.50
P-580	J-741	J-742	43	CI/R/DI	100	140	0.19	0.28	1.00
P-581	J-743	J-76	43	CI/R/DI	100	140	0.01	0.01	0.00
P-582	J-744	J-236	43	CI/R/DI	100	140	-0.02	0.03	0.00
P-583	J-31	J-746	43	CI/R/DI	100	140	0.01	0.02	0.00
P-584	J-747	J-637	40	CI/R/DI	100	140	-0.01	0.02	0.00
P-585	J-748	J-216	43	CI/R/DI	100	140	-0.02	0.03	0.00
P-586	J-30	J-669	44	CI/R/DI	100	140	0.15	0.23	0.70
P-587	J-735	J-582	44	CI/R/DI	100	140	-0.12	0.18	0.40
P-588	J-749	J-737	48	CI/R/DI	100	140	-0.23	0.33	1.40
P-589	J-750	J-185	44	CI/R/DI	100	140	-0.11	0.16	0.40
P-590	J-751	J-752	44	CI/R/DI	100	140	0.00	0.01	0.00
P-591	J-430	J-753	44	CI/R/DI	100	140	-0.07	0.10	0.20
P-592	J-754	J-428	44	CI/R/DI	100	140	-0.02	0.03	0.00
P-593	J-755	J-115	43	CI/R/DI	100	140	-0.02	0.03	0.00
P-594	J-289	J-328	44	CI/R/DI	100	140	-0.02	0.03	0.00
P-595	J-756	J-757	44	CI/R/DI	100	140	0.07	0.11	0.20
P-596	J-758	J-759	44	CI/R/DI	100	140	0.02	0.02	0.00
P-597	J-685	J-760	44	CI/R/DI	100	140	-0.27	0.40	1.90
P-598	J-641	J-761	44	CI/R/DI	100	140	-0.24	0.35	1.60

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-599	J-762	J-763	42	CI/R/DI	100	140	0.26	0.39	1.90
P-600	J-764	J-554	44	CI/R/DI	100	140	-0.02	0.03	0.00
P-601	J-378	J-740	44	CI/R/DI	100	140	-0.17	0.26	0.90
P-602	J-765	J-671	37	CI/R/DI	100	140	0.14	0.20	0.60
P-603	J-113	J-741	44	CI/R/DI	100	140	0.05	0.08	0.10
P-604	J-730	J-95	44	CI/R/DI	100	140	0.00	0.00	0.00
P-605	J-195	J-39	44	CI/R/DI	100	140	0.10	0.15	0.30
P-606	J-639	J-720	47	CI/R/DI	100	140	-0.22	0.32	1.30
P-607	J-767	J-621	45	CI/R/DI	100	140	0.11	0.17	0.40
P-608	J-565	J-517	45	CI/R/DI	100	140	-0.02	0.03	0.00
P-609	J-564	J-512	45	CI/R/DI	100	140	-0.06	0.09	0.10
P-610	J-731	J-14	45	CI/R/DI	100	140	-0.19	0.28	1.00
P-611	J-769	J-162	42	CI/R/DI	100	140	-0.01	0.02	0.00
P-612	J-770	J-568	46	DI/P	100	140	0.22	0.33	1.30
P-613	J-451	J-771	45	CI/R/DI	100	140	0.02	0.03	0.00
P-614	J-772	J-729	46	CI/R/DI	100	140	0.02	0.03	0.00
P-615	J-773	J-259	46	CI/R/DI	100	140	-0.02	0.03	0.00
P-616	J-277	J-774	42	CI/R/DI	100	140	0.02	0.03	0.00
P-617	J-215	J-775	46	CI/R/DI	100	140	-0.30	0.44	2.40
P-618	J-752	J-587	48	CI/R/DI	100	140	0.00	0.01	0.00
P-619	J-299	J-80	46	CI/R/DI	100	140	0.05	0.07	0.10
P-620	J-15	J-291	62	CI/R/DI	100	140	-0.17	0.25	0.80
P-621	J-615	J-776	46	CI/R/DI	100	140	0.11	0.17	0.40
P-622	J-40	J-777	45	CI/R/DI	100	140	-0.34	0.50	2.90
P-623	J-719	J-778	46	CI/R/DI	100	140	0.01	0.02	0.00
P-624	J-713	J-709	47	CI/R/DI	100	140	-0.50	0.73	6.00
P-625	J-756	J-758	46	CI/R/DI	100	140	-0.06	0.09	0.10
P-626	J-780	J-781	50	CI/R/DI	100	140	0.06	0.09	0.10
P-627	J-567	J-782	46	CI/R/DI	100	140	0.27	0.39	1.90
P-628	J-737	J-781	48	CI/R/DI	100	140	-0.39	0.57	3.80
P-629	J-783	J-784	46	CI/R/DI	100	140	-0.01	0.01	0.00
P-630	J-544	J-785	47	CI/R/DI	100	140	0.02	0.03	0.00
P-631	J-760	J-46	46	CI/R/DI	100	140	0.17	0.25	0.80
P-632	J-786	J-39	55	CI/R/DI	100	140	0.09	0.13	0.20
P-633	J-777	J-453	47	CI/R/DI	100	140	-0.33	0.48	2.80
P-634	J-703	J-485	46	CI/R/DI	100	140	0.11	0.16	0.30
P-635	J-686	J-787	54	CI/R/DI	100	140	0.27	0.40	2.00
P-636	J-71	J-788	46	CI/R/DI	100	140	0.02	0.03	0.00
P-637	J-103	J-790	46	CI/R/DI	100	140	0.00	0.01	0.00
P-638	J-249	J-791	46	CI/R/DI	100	140	0.02	0.03	0.00
P-639	J-792	J-793	46	CI/R/DI	100	140	0.01	0.02	0.00
P-640	J-794	J-170	47	CI/R/DI	100	140	-0.01	0.01	0.00
P-641	J-627	J-56	41	CI/R/DI	100	140	0.04	0.06	0.10
P-642	J-795	J-767	45	CI/R/DI	100	140	0.12	0.17	0.40
P-643	J-797	J-798	47	CI/R/DI	100	140	-0.15	0.23	0.70
P-644	J-799	J-392	62	CI/R/DI	100	140	-0.03	0.04	0.00

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-645	J-110	J-501	66	CI/R/DI	100	140	-0.05	0.08	0.10
P-646	J-412	J-800	47	CI/R/DI	100	140	-0.04	0.06	0.10
P-647	J-596	J-438	47	CI/R/DI	100	140	0.04	0.06	0.10
P-648	J-801	J-578	44	CI/R/DI	100	140	-0.01	0.02	0.00
P-649	J-802	J-273	47	CI/R/DI	100	140	0.03	0.05	0.00
P-650	J-639	J-725	49	CI/R/DI	100	140	0.23	0.33	1.40
P-651	J-757	J-743	47	CI/R/DI	100	140	0.03	0.04	0.00
P-652	J-76	J-290	50	CI/R/DI	100	140	0.01	0.01	0.00
P-653	J-803	J-751	47	CI/R/DI	100	140	0.06	0.09	0.10
P-654	J-653	J-655	47	CI/R/DI	100	140	-0.03	0.05	0.00
P-655	J-264	J-66	47	CI/R/DI	100	140	-0.19	0.28	1.00
P-656	J-804	J-88	48	CI/R/DI	100	140	-0.02	0.03	0.00
P-657	J-805	J-333	48	CI/R/DI	100	140	-0.02	0.03	0.00
P-658	J-91	J-146	53	CI/R/DI	100	140	-0.13	0.18	0.50
P-659	J-363	J-503	48	CI/R/DI	100	140	0.00	0.00	0.00
P-660	J-806	J-609	83	CI/R/DI	100	140	0.17	0.25	0.80
P-661	J-210	J-300	48	CI/R/DI	100	140	-0.09	0.13	0.20
P-662	J-726	J-772	48	CI/R/DI	100	140	0.04	0.05	0.00
P-663	J-471	J-476	48	CI/R/DI	100	140	-0.03	0.05	0.00
P-664	J-807	J-460	48	CI/R/DI	100	140	0.00	0.01	0.00
P-665	J-808	J-603	48	CI/R/DI	100	140	-0.02	0.03	0.00
P-666	J-753	J-607	48	CI/R/DI	100	140	0.13	0.20	0.50
P-667	J-158	J-38	47	CI/R/DI	100	140	-0.04	0.06	0.10
P-668	J-656	J-11	50	CI/R/DI	100	140	0.03	0.05	0.00
P-669	J-654	J-759	51	CI/R/DI	100	140	0.05	0.07	0.10
P-670	J-492	J-809	49	CI/R/DI	100	140	0.02	0.03	0.00
P-671	J-810	J-394	49	CI/R/DI	100	140	-0.02	0.03	0.00
P-672	J-688	J-591	42	CI/R/DI	100	140	0.22	0.32	1.30
P-673	J-811	J-812	53	CI/R/DI	100	140	0.01	0.01	0.00
P-674	J-813	J-622	49	CI/R/DI	100	140	-0.02	0.04	0.00
P-675	J-165	J-312	47	CI/R/DI	100	140	0.06	0.09	0.10
P-676	J-795	J-640	49	CI/R/DI	100	140	-0.21	0.31	1.20
P-677	J-814	J-286	50	CI/R/DI	100	140	-0.02	0.03	0.00
P-678	J-543	J-167	50	CI/R/DI	100	140	0.10	0.15	0.30
P-679	J-268	J-186	49	CI/R/DI	100	140	-0.06	0.08	0.10
P-680	J-815	J-678	50	CI/R/DI	100	140	0.04	0.06	0.10
P-681	J-43	J-816	48	CI/R/DI	100	140	-0.34	0.50	2.90
P-682	J-817	J-792	50	CI/R/DI	100	140	0.08	0.12	0.20
P-683	J-469	J-349	50	CI/R/DI	100	140	-0.38	0.56	3.60
P-684	J-566	J-818	49	CI/R/DI	100	140	0.02	0.03	0.00
P-685	J-199	J-411	65	CI/R/DI	100	140	-0.09	0.14	0.30
P-686	J-690	J-811	50	CI/R/DI	100	140	0.02	0.03	0.00
P-687	J-690	J-811	464	CI/R/DI	100	140	0.01	0.01	0.00
P-688	J-410	J-819	50	CI/R/DI	100	140	0.02	0.03	0.00
P-689	J-820	J-815	50	CI/R/DI	100	140	-0.02	0.02	0.00
P-690	J-823	J-4	51	CI/R/DI	100	140	-0.21	0.31	1.20

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-691	J-37	J-824	52	CI/R/DI	100	140	0.01	0.01	0.00
P-692	J-825	J-551	51	CI/R/DI	100	140	-0.02	0.03	0.00
P-693	J-496	J-357	56	CI/R/DI	100	140	-0.22	0.32	1.30
P-694	J-826	J-459	47	CI/R/DI	100	140	-0.01	0.01	0.00
P-695	J-463	J-466	48	CI/R/DI	100	140	0.06	0.08	0.10
P-696	J-380	J-207	51	CI/R/DI	100	140	0.08	0.12	0.20
P-697	J-827	J-732	51	CI/R/DI	100	140	-0.01	0.01	0.00
P-698	J-828	J-1143	57	CI/R/DI	100	140	-0.21	0.30	1.20
P-699	J-829	J-556	51	CI/R/DI	100	140	-0.02	0.03	0.00
P-700	J-312	J-81	51	CI/R/DI	100	140	-0.06	0.09	0.10
P-701	J-163	J-14	48	CI/R/DI	100	140	0.19	0.28	1.00
P-702	J-652	J-493	105	CI/R/DI	100	140	-0.01	0.02	0.00
P-703	J-493	J-652	52	CI/R/DI	100	140	0.02	0.03	0.00
P-704	J-323	J-786	52	CI/R/DI	100	140	0.20	0.30	1.20
P-705	J-646	J-696	52	CI/R/DI	100	140	-0.59	0.87	8.30
P-706	J-703	J-830	52	CI/R/DI	100	140	0.02	0.02	0.00
P-707	J-831	J-192	52	CI/R/DI	100	140	-0.02	0.03	0.00
P-708	J-832	J-604	49	CI/R/DI	100	140	0.07	0.11	0.20
P-709	J-833	J-415	72	CI/R/DI	100	140	-0.03	0.04	0.00
P-710	J-800	J-276	52	CI/R/DI	100	140	-0.19	0.29	1.10
P-711	J-385	J-834	51	CI/R/DI	100	140	-0.02	0.02	0.00
P-712	J-391	J-337	52	CI/R/DI	100	140	-0.06	0.09	0.10
P-713	J-835	J-836	53	CI/R/DI	100	140	-0.01	0.01	0.00
P-714	J-758	J-130	54	CI/R/DI	100	140	-0.09	0.14	0.30
P-715	J-21	J-837	58	CI/R/DI	100	140	0.02	0.04	0.00
P-716	J-718	J-838	53	CI/R/DI	100	140	0.02	0.02	0.00
P-717	J-743	J-344	55	CI/R/DI	100	140	0.00	0.01	0.00
P-718	J-579	J-455	49	CI/R/DI	100	140	0.18	0.26	0.90
P-719	J-454	J-839	53	CI/R/DI	100	140	0.08	0.11	0.20
P-720	J-840	J-219	52	CI/R/DI	100	140	-0.02	0.03	0.00
P-721	J-560	J-228	53	CI/R/DI	100	140	-0.01	0.02	0.00
P-722	J-462	J-456	49	CI/R/DI	100	140	0.09	0.13	0.20
P-723	J-425	J-763	53	CI/R/DI	100	140	0.15	0.21	0.60
P-724	J-246	J-841	55	CI/R/DI	100	140	0.27	0.39	1.90
P-725	J-843	J-98	57	CI/R/DI	100	140	-0.01	0.01	0.00
P-726	J-678	J-792	54	CI/R/DI	100	140	-0.02	0.02	0.00
P-727	J-844	J-628	54	CI/R/DI	100	140	-0.02	0.03	0.00
P-728	J-845	J-343	52	CI/R/DI	100	140	-0.01	0.01	0.00
P-729	J-135	J-223	285	CI/R/DI	100	140	-0.33	0.49	2.90
P-730	J-292	J-350	54	CI/R/DI	100	140	-0.34	0.49	2.90
P-731	J-816	J-846	54	CI/R/DI	100	140	-0.45	0.66	5.00
P-732	J-458	J-132	50	CI/R/DI	100	140	-0.39	0.58	3.90
P-733	J-708	J-626	53	CI/R/DI	100	140	0.09	0.14	0.30
P-734	J-411	J-437	52	CI/R/DI	100	140	-0.20	0.30	1.10
P-735	J-817	J-815	55	CI/R/DI	100	140	0.07	0.10	0.10
P-736	J-847	J-329	51	CI/R/DI	100	140	-0.01	0.01	0.00

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-737	J-848	J-221	55	CI/R/DI	100	140	-0.01	0.01	0.00
P-738	J-674	J-534	69	CI/R/DI	100	140	-0.40	0.58	4.00
P-739	J-527	J-534	48	CI/R/DI	100	140	-0.13	0.19	0.50
P-740	J-836	J-29	57	CI/R/DI	100	140	-0.04	0.06	0.10
P-741	J-802	J-849	51	CI/R/DI	100	140	0.02	0.03	0.00
P-742	J-269	J-302	56	CI/R/DI	100	140	-0.43	0.64	4.60
P-743	J-144	J-750	56	CI/R/DI	100	140	-0.14	0.21	0.60
P-744	J-853	J-732	56	CI/R/DI	100	140	0.02	0.03	0.00
P-745	J-431	J-263	56	CI/R/DI	100	140	0.04	0.06	0.10
P-746	J-99	J-854	56	CI/R/DI	100	140	0.02	0.03	0.00
P-747	J-855	J-125	58	CI/R/DI	100	140	-0.02	0.03	0.00
P-748	J-856	J-246	55	CI/R/DI	100	140	-0.02	0.03	0.00
P-749	J-100	J-857	57	CI/R/DI	100	140	0.02	0.03	0.00
P-750	J-623	J-858	48	CI/R/DI	100	140	-0.45	0.66	5.00
P-751	J-859	J-483	57	CI/R/DI	100	140	-0.15	0.21	0.60
P-752	J-25	J-292	57	CI/R/DI	100	140	-0.31	0.46	2.50
P-753	J-419	J-376	57	CI/R/DI	100	140	0.04	0.06	0.10
P-754	J-406	J-306	94	CI/R/DI	100	140	-0.05	0.07	0.10
P-755	J-684	J-860	58	CI/R/DI	100	140	0.02	0.03	0.00
P-756	J-649	J-659	57	CI/R/DI	100	140	-0.48	0.71	5.70
P-757	J-133	J-482	58	CI/R/DI	100	140	0.04	0.06	0.10
P-758	J-832	J-275	56	CI/R/DI	100	140	0.15	0.22	0.60
P-759	J-33	J-861	55	CI/R/DI	100	140	0.01	0.01	0.00
P-760	J-862	J-131	56	CI/R/DI	100	140	-0.01	0.01	0.00
P-761	J-171	J-863	58	CI/R/DI	100	140	0.01	0.01	0.00
P-762	J-171	J-864	59	CI/R/DI	100	140	0.01	0.01	0.00
P-763	J-36	J-865	63	CI/R/DI	100	140	0.03	0.04	0.00
P-764	J-40	J-866	58	CI/R/DI	100	140	0.02	0.04	0.00
P-765	J-445	J-362	59	CI/R/DI	100	140	0.32	0.48	2.70
P-766	J-170	J-201	59	CI/R/DI	100	140	0.05	0.07	0.10
P-767	J-869	J-227	55	CI/R/DI	100	140	-0.01	0.01	0.00
P-768	J-322	J-165	77	CI/R/DI	100	140	0.09	0.13	0.20
P-769	J-158	J-101	77	CI/R/DI	100	140	0.07	0.10	0.10
P-770	J-763	J-454	59	CI/R/DI	100	140	0.35	0.51	3.10
P-771	J-393	J-630	59	CI/R/DI	100	140	0.09	0.13	0.20
P-772	J-757	J-76	89	CI/R/DI	100	140	0.02	0.03	0.00
P-773	J-621	J-813	79	CI/R/DI	100	140	0.03	0.04	0.00
P-774	J-36	J-429	57	CI/R/DI	100	140	-0.23	0.33	1.40
P-775	J-555	J-871	60	CI/R/DI	100	140	0.02	0.04	0.00
P-776	J-872	J-21	60	CI/R/DI	100	140	0.24	0.35	1.50
P-777	J-438	J-750	60	CI/R/DI	100	140	0.08	0.12	0.20
P-778	J-635	J-873	57	CI/R/DI	100	140	-0.38	0.56	3.70
P-779	J-554	J-775	77	CI/R/DI	100	140	-0.21	0.31	1.20
P-780	J-530	J-517	61	CI/R/DI	100	140	-0.11	0.17	0.40
P-781	J-828	J-708	64	CI/R/DI	100	140	0.12	0.17	0.40
P-782	J-459	J-245	60	CI/R/DI	100	140	0.10	0.14	0.30

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-783	J-578	J-1	71	CI/R/DI	100	140	0.16	0.24	0.80
P-784	J-164	J-374	100	CI/R/DI	100	140	0.10	0.14	0.30
P-785	J-97	J-874	58	CI/R/DI	100	140	0.01	0.01	0.00
P-786	J-25	J-369	62	CI/R/DI	100	140	-0.08	0.12	0.20
P-787	J-29	J-875	64	CI/R/DI	100	140	0.00	0.00	0.00
P-788	J-587	J-564	60	CI/R/DI	100	140	0.13	0.19	0.50
P-789	J-518	J-531	63	CI/R/DI	100	140	0.11	0.17	0.40
P-790	J-876	J-719	62	CI/R/DI	100	140	-0.02	0.03	0.00
P-791	J-614	J-1078	67	CI/R/DI	100	140	-0.51	0.75	6.30
P-792	J-877	J-872	63	CI/R/DI	100	140	-0.03	0.04	0.00
P-793	J-69	J-425	65	CI/R/DI	100	140	0.44	0.65	4.80
P-794	J-577	J-72	62	CI/R/DI	100	140	-0.18	0.27	0.90
P-795	J-878	J-10	90	CI/R/DI	100	140	-0.01	0.02	0.00
P-796	J-383	J-138	63	CI/R/DI	100	140	-0.07	0.10	0.20
P-797	J-879	J-245	59	CI/R/DI	100	140	-0.01	0.01	0.00
P-798	J-619	J-653	63	CI/R/DI	100	140	0.15	0.22	0.60
P-799	J-880	J-1	59	CI/R/DI	100	140	-0.02	0.03	0.00
P-800	J-882	J-414	61	CI/R/DI	100	140	-0.03	0.04	0.00
P-801	J-1130	J-181	71	CI/R/DI	100	140	0.18	0.27	0.90
P-802	J-883	J-807	81	CI/R/DI	100	140	-0.03	0.04	0.00
P-803	J-185	J-284	63	CI/R/DI	100	140	-0.08	0.12	0.20
P-804	J-759	J-756	89	CI/R/DI	100	140	0.04	0.06	0.10
P-805	J-822	J-884	71	CI/R/DI	100	140	0.02	0.03	0.00
P-806	J-885	J-590	67	CI/R/DI	100	140	-0.08	0.11	0.20
P-807	J-592	J-450	65	CI/R/DI	100	140	0.02	0.04	0.00
P-808	J-714	J-886	65	CI/R/DI	100	140	0.24	0.36	1.60
P-809	J-638	J-888	65	CI/R/DI	100	140	0.03	0.04	0.00
P-810	J-889	J-166	62	CI/R/DI	100	140	-0.01	0.01	0.00
P-811	J-890	J-255	81	CI/R/DI	100	140	-0.03	0.05	0.00
P-812	J-126	J-734	56	CI/R/DI	100	140	-0.12	0.18	0.50
P-813	J-891	J-288	80	CI/R/DI	100	140	-0.44	0.65	4.80
P-814	J-240	J-649	66	CI/R/DI	100	140	-0.42	0.62	4.40
P-815	J-455	J-34	65	CI/R/DI	100	140	0.27	0.40	2.00
P-816	J-761	J-673	61	CI/R/DI	100	140	-0.46	0.68	5.30
P-817	J-782	J-881	65	CI/R/DI	100	140	0.27	0.39	1.90
P-818	J-849	J-852	67	CI/R/DI	100	140	-0.03	0.04	0.00
P-819	J-894	J-298	67	CI/R/DI	100	140	-0.03	0.04	0.00
P-820	J-466	J-643	70	CI/R/DI	100	140	-0.08	0.12	0.20
P-821	J-895	J-727	73	CI/R/DI	100	140	-0.03	0.04	0.00
P-822	J-896	J-520	87	CI/R/DI	100	140	-0.18	0.26	0.90
P-823	J-520	J-896	87	CI/R/DI	100	140	0.18	0.26	0.90
P-824	J-416	J-489	67	CI/R/DI	100	140	-0.09	0.13	0.20
P-825	J-776	J-851	66	CI/R/DI	100	140	0.03	0.05	0.00
P-826	J-781	J-713	64	CI/R/DI	100	140	-0.37	0.55	3.50
P-827	J-446	J-897	64	CI/R/DI	100	140	-0.15	0.22	0.60
P-828	J-539	J-898	68	CI/R/DI	100	140	0.03	0.04	0.00

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-829	J-43	J-899	68	CI/R/DI	100	140	0.03	0.04	0.00
P-830	J-900	J-122	65	CI/R/DI	100	140	-0.01	0.01	0.00
P-831	J-404	J-211	68	CI/R/DI	100	140	-0.06	0.08	0.10
P-832	J-135	J-873	65	CI/R/DI	100	140	0.55	0.82	7.40
P-833	J-891	J-901	89	CI/R/DI	100	140	0.30	0.45	2.40
P-834	J-617	J-902	66	CI/R/DI	100	140	-0.29	0.43	2.20
P-835	J-727	J-36	69	CI/R/DI	100	140	-0.12	0.18	0.40
P-836	J-903	J-548	70	CI/R/DI	100	140	-0.06	0.08	0.10
P-837	J-738	J-887	66	CI/R/DI	100	140	-0.38	0.56	3.70
P-838	J-904	J-395	66	CI/R/DI	100	140	-0.11	0.17	0.40
P-839	J-18	J-583	70	CI/R/DI	100	140	0.00	0.00	0.00
P-840	J-664	J-892	70	CI/R/DI	100	140	0.46	0.67	5.10
P-841	J-700	J-282	80	CI/R/DI	100	140	-0.23	0.34	1.50
P-842	J-282	J-700	68	CI/R/DI	100	140	0.25	0.37	1.70
P-843	J-906	J-91	95	CI/R/DI	100	140	-0.04	0.06	0.10
P-844	J-777	J-907	70	CI/R/DI	100	140	0.03	0.04	0.00
P-845	J-908	J-57	61	CI/R/DI	100	140	-0.01	0.01	0.00
P-846	J-374	J-597	68	CI/R/DI	100	140	0.03	0.04	0.00
P-847	J-909	J-401	70	CI/R/DI	100	140	-0.03	0.04	0.00
P-848	J-910	J-770	71	DI/P	100	140	0.34	0.50	3.00
P-849	J-547	J-911	69	CI/R/DI	100	140	0.00	0.01	0.00
P-850	J-250	J-310	70	CI/R/DI	100	140	-0.22	0.32	1.30
P-851	J-110	J-164	68	CI/R/DI	100	140	-0.27	0.40	1.90
P-852	J-324	J-392	70	CI/R/DI	100	140	-0.05	0.07	0.10
P-853	J-300	J-23	71	CI/R/DI	100	140	-0.11	0.16	0.30
P-854	J-100	J-77	74	CI/R/DI	100	140	-0.51	0.75	6.20
P-855	J-507	J-671	68	CI/R/DI	100	140	-0.05	0.07	0.10
P-856	J-914	J-658	71	CI/R/DI	100	140	-0.16	0.23	0.70
P-857	J-20	J-598	67	CI/R/DI	100	140	-0.35	0.51	3.10
P-858	J-103	J-618	72	CI/R/DI	100	140	-0.09	0.13	0.20
P-859	J-63	J-439	72	CI/R/DI	100	140	0.08	0.12	0.20
P-860	J-244	J-915	101	CI/R/DI	100	140	0.04	0.06	0.10
P-861	J-875	J-287	65	CI/R/DI	100	140	-0.06	0.08	0.10
P-862	J-577	J-580	155	CI/R/DI	100	140	-0.08	0.11	0.20
P-863	J-846	J-152	73	CI/R/DI	100	140	-0.47	0.69	5.40
P-864	J-325	J-299	73	CI/R/DI	100	140	0.12	0.18	0.40
P-865	J-917	J-797	78	CI/R/DI	100	140	-0.03	0.05	0.00
P-866	J-571	J-52	75	CI/R/DI	100	140	0.04	0.06	0.10
P-867	J-775	J-365	71	CI/R/DI	100	140	-0.35	0.51	3.10
P-868	J-223	J-902	69	CI/R/DI	100	140	0.82	1.21	15.20
P-869	J-32	J-694	66	CI/R/DI	100	140	-0.08	0.12	0.20
P-870	J-243	J-544	73	CI/R/DI	100	140	-0.40	0.58	3.90
P-871	J-919	J-443	72	CI/R/DI	100	140	-0.03	0.04	0.00
P-872	J-51	J-297	74	CI/R/DI	100	140	0.12	0.18	0.40
P-873	J-656	J-583	74	CI/R/DI	100	140	0.05	0.08	0.10
P-874	J-298	J-281	74	CI/R/DI	100	140	-0.07	0.11	0.20

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-875	J-672	J-508	70	CI/R/DI	100	140	0.00	0.00	0.00
P-876	J-562	J-918	70	CI/R/DI	100	140	0.06	0.09	0.10
P-877	J-920	J-2	78	CI/R/DI	100	140	-0.01	0.01	0.00
P-878	J-488	J-921	73	CI/R/DI	100	140	0.03	0.04	0.00
P-879	J-922	J-720	80	CI/R/DI	100	140	0.03	0.04	0.00
P-880	J-18	J-11	77	CI/R/DI	100	140	-0.05	0.07	0.10
P-881	J-26	J-923	80	CI/R/DI	100	140	0.01	0.01	0.00
P-882	J-276	J-228	141	CI/R/DI	100	140	0.14	0.21	0.60
P-883	J-925	J-214	74	CI/R/DI	100	140	-0.12	0.18	0.40
P-884	J-212	J-926	78	CI/R/DI	100	140	0.02	0.04	0.00
P-885	J-338	J-853	79	CI/R/DI	100	140	0.06	0.09	0.10
P-886	J-63	J-101	86	CI/R/DI	100	140	-0.05	0.07	0.10
P-887	J-148	J-681	82	CI/R/DI	100	140	-0.31	0.46	2.60
P-888	J-787	J-505	80	CI/R/DI	100	140	0.09	0.14	0.30
P-889	J-787	J-505	133	CI/R/DI	100	140	0.07	0.10	0.20
P-890	J-928	J-539	93	CI/R/DI	100	140	-0.04	0.06	0.10
P-891	J-12	J-21	84	CI/R/DI	100	140	-0.11	0.16	0.40
P-892	J-271	J-597	79	CI/R/DI	100	140	0.38	0.56	3.60
P-893	J-342	J-483	82	CI/R/DI	100	140	-0.34	0.50	2.90
P-894	J-760	J-929	82	CI/R/DI	100	140	0.03	0.05	0.00
P-895	J-398	J-399	82	CI/R/DI	100	140	-0.04	0.06	0.10
P-896	J-930	J-104	90	CI/R/DI	100	140	-0.03	0.04	0.00
P-897	J-931	J-70	83	CI/R/DI	100	140	-0.03	0.05	0.00
P-898	J-444	J-475	106	CI/R/DI	100	140	-0.35	0.52	3.20
P-899	J-932	J-114	83	CI/R/DI	100	140	-0.03	0.05	0.00
P-900	J-344	J-190	81	CI/R/DI	100	140	0.11	0.16	0.30
P-901	J-396	J-119	83	CI/R/DI	100	140	-0.07	0.11	0.20
P-902	J-722	J-448	102	CI/R/DI	100	140	-0.04	0.05	0.00
P-903	J-29	J-834	83	CI/R/DI	100	140	0.03	0.04	0.00
P-904	J-318	J-395	84	CI/R/DI	100	140	0.04	0.06	0.10
P-905	J-618	J-790	118	CI/R/DI	100	140	0.07	0.10	0.10
P-906	J-784	J-353	81	CI/R/DI	100	140	-0.03	0.04	0.00
P-907	J-933	J-571	85	CI/R/DI	100	140	0.09	0.14	0.30
P-908	J-29	J-914	116	CI/R/DI	100	140	-0.11	0.16	0.40
P-909	J-822	J-595	139	CI/R/DI	100	140	0.47	0.70	5.50
P-910	J-934	J-823	86	CI/R/DI	100	140	-0.04	0.05	0.00
P-911	J-935	J-816	86	CI/R/DI	100	140	-0.04	0.05	0.00
P-912	J-767	J-312	86	CI/R/DI	100	140	-0.05	0.08	0.10
P-913	J-165	J-795	85	CI/R/DI	100	140	-0.04	0.06	0.10
P-914	J-247	J-936	84	CI/R/DI	100	140	0.03	0.05	0.00
P-915	J-385	J-836	86	CI/R/DI	100	140	-0.01	0.01	0.00
P-916	J-272	J-937	81	CI/R/DI	100	140	0.03	0.04	0.00
P-917	J-279	J-730	95	CI/R/DI	100	140	-0.03	0.04	0.00
P-918	J-279	J-95	84	CI/R/DI	100	140	-0.03	0.04	0.00
P-919	J-214	J-341	151	CI/R/DI	100	140	-0.55	0.81	7.30
P-920	J-155	J-176	86	CI/R/DI	100	140	-0.01	0.01	0.00

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-921	J-667	J-938	86	CI/R/DI	100	140	0.04	0.05	0.00
P-922	J-939	J-167	87	CI/R/DI	100	140	-0.04	0.05	0.00
P-923	J-38	J-207	181	CI/R/DI	100	140	0.03	0.04	0.00
P-924	J-175	J-156	87	CI/R/DI	100	140	0.01	0.01	0.00
P-925	J-745	J-940	87	DI/E	200	130	-0.77	0.28	0.50
P-926	J-941	J-453	89	CI/R/DI	100	140	-0.04	0.05	0.00
P-927	J-202	J-187	89	CI/R/DI	100	140	-0.03	0.05	0.00
P-928	J-256	J-66	97	CI/R/DI	100	140	0.06	0.09	0.10
P-929	J-278	J-96	90	CI/R/DI	100	140	-0.04	0.06	0.10
P-930	J-381	J-163	103	CI/R/DI	100	140	-0.10	0.15	0.30
P-931	J-348	J-358	84	CI/R/DI	100	140	0.13	0.19	0.50
P-932	J-11	J-474	109	CI/R/DI	100	140	0.04	0.06	0.00
P-933	J-672	J-56	86	CI/R/DI	100	140	0.05	0.07	0.10
P-934	J-896	J-550	91	CI/R/DI	100	140	0.24	0.36	1.60
P-935	J-132	J-832	103	CI/R/DI	100	140	0.29	0.42	2.20
P-936	J-942	J-5	91	CI/R/DI	100	140	-0.01	0.02	0.00
P-937	J-645	J-487	155	CI/R/DI	100	140	0.29	0.43	2.30
P-938	J-316	J-92	92	CI/R/DI	100	140	-0.05	0.08	0.10
P-939	J-943	J-7	88	CI/R/DI	100	140	-0.03	0.04	0.00
P-940	J-503	J-301	92	CI/R/DI	100	140	0.23	0.35	1.50
P-941	J-798	J-151	93	CI/R/DI	100	140	-0.37	0.54	3.40
P-942	J-662	J-493	85	CI/R/DI	100	140	0.07	0.10	0.20
P-943	J-540	J-944	93	CI/R/DI	100	140	0.04	0.06	0.10
P-944	J-427	J-405	93	CI/R/DI	100	140	-0.01	0.02	0.00
P-945	J-945	J-627	97	CI/R/DI	100	140	-0.01	0.02	0.00
P-946	J-317	J-85	94	CI/R/DI	100	140	-0.05	0.07	0.10
P-947	J-841	J-243	95	CI/R/DI	100	140	0.37	0.54	3.40
P-948	J-9	J-360	132	CI/R/DI	100	140	0.03	0.04	0.00
P-949	J-296	J-44	95	CI/R/DI	100	140	-0.09	0.14	0.30
P-950	J-947	J-387	91	CI/R/DI	100	140	-0.03	0.04	0.00
P-951	J-87	J-356	95	CI/R/DI	100	140	0.09	0.13	0.30
P-952	J-948	J-194	91	CI/R/DI	100	140	-0.04	0.06	0.00
P-953	J-822	J-949	200	CI/R/DI	100	140	-0.63	0.92	9.20
P-954	J-609	J-846	96	CI/R/DI	100	140	0.07	0.11	0.20
P-955	J-35	J-502	95	CI/R/DI	100	140	0.01	0.01	0.00
P-956	J-469	J-588	95	CI/R/DI	100	140	0.07	0.10	0.20
P-957	J-400	J-397	96	CI/R/DI	100	140	0.05	0.08	0.10
P-958	J-335	J-378	97	CI/R/DI	100	140	0.05	0.08	0.10
P-959	J-872	J-269	97	CI/R/DI	100	140	-0.35	0.52	3.20
P-960	J-184	J-106	98	CI/R/DI	100	140	0.11	0.16	0.30
P-961	J-849	J-950	98	CI/R/DI	100	140	0.02	0.03	0.00
P-962	J-732	J-391	98	CI/R/DI	100	140	-0.04	0.05	0.00
P-963	J-813	J-460	99	CI/R/DI	100	140	-0.02	0.03	0.00
P-964	J-576	J-953	99	CI/R/DI	100	140	0.04	0.06	0.10
P-965	J-604	J-458	99	CI/R/DI	100	140	-0.11	0.16	0.40
P-966	J-954	J-706	99	CI/R/DI	100	140	-0.01	0.02	0.00

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-967	J-955	J-859	112	CI/R/DI	100	140	-0.04	0.05	0.00
P-968	J-54	J-468	99	CI/R/DI	100	140	-0.06	0.09	0.10
P-969	J-740	J-731	99	CI/R/DI	100	140	-0.05	0.07	0.10
P-970	J-436	J-357	92	CI/R/DI	100	140	0.07	0.11	0.20
P-971	J-14	J-761	101	CI/R/DI	100	140	-0.16	0.23	0.70
P-972	J-914	J-956	100	CI/R/DI	100	140	0.01	0.02	0.00
P-973	J-716	J-786	100	CI/R/DI	100	140	-0.03	0.05	0.00
P-974	J-163	J-673	101	CI/R/DI	100	140	-0.37	0.54	3.50
P-975	J-602	J-349	101	CI/R/DI	100	140	-0.23	0.34	1.40
P-976	J-134	J-563	101	CI/R/DI	100	140	-0.06	0.09	0.10
P-977	J-957	J-561	98	CI/R/DI	100	140	-0.04	0.06	0.10
P-978	J-859	J-342	140	CI/R/DI	100	140	0.23	0.34	1.50
P-979	J-559	J-335	101	CI/R/DI	100	140	0.15	0.22	0.60
P-980	J-139	J-465	102	CI/R/DI	100	140	-0.10	0.14	0.30
P-981	J-958	J-490	102	CI/R/DI	100	140	-0.03	0.05	0.00
P-982	J-501	J-35	128	CI/R/DI	100	140	0.07	0.10	0.20
P-983	J-663	J-196	120	CI/R/DI	100	140	0.21	0.31	1.20
P-984	J-307	J-337	102	CI/R/DI	100	140	0.09	0.13	0.30
P-985	J-449	J-13	102	CI/R/DI	100	140	0.07	0.10	0.10
P-986	J-701	J-14	103	CI/R/DI	100	140	-0.06	0.09	0.10
P-987	J-84	J-464	102	CI/R/DI	100	140	-0.18	0.27	0.90
P-988	J-258	J-959	100	CI/R/DI	100	140	0.04	0.06	0.10
P-989	J-731	J-641	103	CI/R/DI	100	140	-0.13	0.19	0.50
P-990	J-291	J-408	104	CI/R/DI	100	140	-0.32	0.47	2.60
P-991	J-563	J-256	124	CI/R/DI	100	140	0.07	0.11	0.20
P-992	J-585	J-318	122	CI/R/DI	100	140	0.26	0.39	1.80
P-993	J-622	J-209	103	CI/R/DI	100	140	-0.05	0.07	0.10
P-994	J-960	J-129	115	CI/R/DI	100	140	-0.05	0.07	0.10
P-995	J-538	J-511	104	CI/R/DI	100	140	0.20	0.30	1.10
P-996	J-141	J-379	104	CI/R/DI	100	140	-0.07	0.11	0.20
P-997	J-457	J-605	105	CI/R/DI	100	140	0.06	0.08	0.10
P-998	J-940	J-961	104	DI/E	200	130	-2.07	0.76	3.30
P-999	J-692	J-841	106	CI/R/DI	100	140	0.21	0.30	1.20
P-1000	J-726	J-751	105	CI/R/DI	100	140	0.00	0.01	0.00
P-1001	J-803	J-772	104	CI/R/DI	100	140	0.05	0.07	0.10
P-1002	J-663	J-963	103	CI/R/DI	100	140	0.03	0.05	0.00
P-1003	J-964	J-1132	104	CI/R/DI	100	140	0.13	0.19	0.50
P-1004	J-752	J-725	105	CI/R/DI	100	140	-0.06	0.09	0.10
P-1005	J-309	J-514	107	CI/R/DI	100	140	0.24	0.35	1.50
P-1006	J-797	J-24	123	CI/R/DI	100	140	0.27	0.40	1.90
P-1007	J-966	J-264	108	CI/R/DI	100	140	-0.08	0.12	0.20
P-1008	J-834	J-875	145	CI/R/DI	100	140	-0.02	0.03	0.00
P-1009	J-967	J-40	108	CI/R/DI	100	140	-0.04	0.07	0.10
P-1010	J-448	J-88	115	CI/R/DI	100	140	-0.04	0.06	0.10
P-1011	J-89	J-762	113	CI/R/DI	100	140	0.40	0.58	3.90
P-1012	J-453	J-424	110	CI/R/DI	100	140	-0.27	0.39	1.90

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1013	J-968	J-201	111	CI/R/DI	100	140	-0.01	0.02	0.00
P-1014	J-663	J-595	181	CI/R/DI	100	140	-0.37	0.55	3.50
P-1015	J-55	J-417	112	CI/R/DI	100	140	0.03	0.05	0.00
P-1016	J-951	J-924	187	CI/R/DI	100	140	-0.12	0.18	0.50
P-1017	J-969	J-777	114	CI/R/DI	100	140	-0.05	0.07	0.10
P-1018	J-734	J-457	158	CI/R/DI	100	140	-0.08	0.12	0.20
P-1019	J-610	J-260	115	CI/R/DI	100	140	0.31	0.46	2.50
P-1020	J-970	J-638	120	CI/R/DI	100	140	-0.33	0.49	2.90
P-1021	J-500	J-108	116	CI/R/DI	100	140	-0.02	0.03	0.00
P-1022	J-971	J-46	116	CI/R/DI	100	140	-0.05	0.07	0.10
P-1023	J-762	J-371	114	CI/R/DI	100	140	0.30	0.44	2.40
P-1024	J-720	J-698	113	CI/R/DI	100	140	0.13	0.19	0.50
P-1025	J-123	J-535	117	CI/R/DI	100	140	0.43	0.64	4.60
P-1026	J-372	J-697	119	CI/R/DI	100	140	0.36	0.52	3.20
P-1027	J-742	J-52	133	CI/R/DI	100	140	0.10	0.14	0.30
P-1028	J-498	J-704	119	CI/R/DI	100	140	-0.03	0.05	0.00
P-1029	J-41	J-709	119	CI/R/DI	100	140	-0.44	0.65	4.80
P-1030	J-120	J-972	122	CI/R/DI	100	140	-0.26	0.39	1.80
P-1031	J-669	J-973	120	CI/R/DI	100	140	0.05	0.07	0.10
P-1032	J-974	J-361	118	CI/R/DI	100	140	-0.05	0.07	0.10
P-1033	J-680	J-447	121	CI/R/DI	100	140	-0.09	0.13	0.30
P-1034	J-950	J-852	154	CI/R/DI	100	140	-0.02	0.03	0.00
P-1035	J-704	J-497	142	CI/R/DI	100	140	0.05	0.08	0.10
P-1036	J-78	J-366	133	CI/R/DI	100	140	-0.38	0.56	3.60
P-1037	J-59	J-593	122	CI/R/DI	100	140	-0.33	0.49	2.90
P-1038	J-696	J-213	123	CI/R/DI	100	140	-0.45	0.66	5.00
P-1039	J-118	J-445	124	CI/R/DI	100	140	0.38	0.56	3.70
P-1040	J-331	J-61	125	CI/R/DI	100	140	-0.14	0.20	0.60
P-1041	J-594	J-49	124	CI/R/DI	100	140	0.29	0.42	2.10
P-1042	J-680	J-446	147	CI/R/DI	100	140	-0.18	0.26	0.90
P-1043	J-275	J-126	120	CI/R/DI	100	140	0.09	0.14	0.30
P-1044	J-104	J-966	136	CI/R/DI	100	140	0.09	0.13	0.20
P-1045	J-527	J-975	207	CI/R/DI	100	140	0.25	0.37	1.70
P-1046	J-90	J-976	124	CI/R/DI	100	140	0.05	0.07	0.10
P-1047	J-260	J-364	128	CI/R/DI	100	140	0.34	0.50	3.00
P-1048	J-380	J-38	136	DI/E	100	130	0.03	0.05	0.00
P-1049	J-28	J-977	132	CI/R/DI	100	140	0.05	0.08	0.10
P-1050	J-406	J-336	131	CI/R/DI	100	140	-0.07	0.10	0.20
P-1051	J-685	J-243	135	CI/R/DI	100	140	-0.18	0.27	0.90
P-1052	J-428	J-528	131	CI/R/DI	100	140	-0.20	0.30	1.10
P-1053	J-413	J-3	135	CI/R/DI	100	140	0.03	0.05	0.00
P-1054	J-980	J-28	133	CI/R/DI	100	140	-0.05	0.08	0.10
P-1055	J-981	J-255	143	CI/R/DI	100	140	0.43	0.63	4.50
P-1056	J-807	J-982	136	CI/R/DI	100	140	-0.11	0.15	0.30
P-1057	J-195	J-30	135	CI/R/DI	100	140	0.41	0.60	4.20
P-1058	J-479	J-433	139	CI/R/DI	100	140	-0.21	0.32	1.30

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1059	J-560	J-800	140	CI/R/DI	100	140	-0.08	0.11	0.20
P-1060	J-412	J-232	140	CI/R/DI	100	140	0.07	0.10	0.20
P-1061	J-480	J-433	167	CI/R/DI	100	140	-0.19	0.29	1.10
P-1062	J-461	J-983	142	CI/R/DI	100	140	0.02	0.03	0.00
P-1063	J-676	J-664	142	CI/R/DI	100	140	-0.23	0.33	1.40
P-1064	J-697	J-984	153	CI/R/DI	100	140	0.05	0.07	0.10
P-1065	J-675	J-665	145	CI/R/DI	100	140	-0.15	0.23	0.70
P-1066	J-768	J-985	141	CI/R/DI	100	140	0.02	0.03	0.00
P-1067	J-519	J-589	148	CI/R/DI	100	140	0.17	0.25	0.80
P-1068	J-986	J-432	146	CI/R/DI	100	140	-0.02	0.03	0.00
P-1069	J-546	J-635	153	CI/R/DI	100	140	0.07	0.10	0.10
P-1070	J-273	J-950	183	CI/R/DI	100	140	0.01	0.02	0.00
P-1071	J-742	J-933	152	CI/R/DI	100	140	0.05	0.07	0.10
P-1072	J-238	J-584	156	CI/R/DI	100	140	-0.25	0.37	1.70
P-1073	J-557	J-574	156	CI/R/DI	100	140	-0.02	0.03	0.00
P-1074	J-319	J-610	145	CI/R/DI	100	140	0.41	0.61	4.30
P-1075	J-567	J-633	156	CI/R/DI	100	140	-0.03	0.05	0.00
P-1076	J-616	J-617	156	CI/R/DI	100	140	0.05	0.08	0.10
P-1077	J-615	J-644	157	CI/R/DI	100	140	0.00	0.00	0.00
P-1078	J-20	J-237	173	CI/R/DI	100	140	0.26	0.38	1.80
P-1079	J-897	J-892	157	CI/R/DI	100	140	0.45	0.67	5.00
P-1080	J-23	J-639	157	CI/R/DI	100	140	-0.18	0.27	0.90
P-1081	J-13	J-987	161	CI/R/DI	100	140	0.07	0.10	0.10
P-1082	J-294	J-606	151	CI/R/DI	100	140	-0.45	0.66	4.90
P-1083	J-988	J-661	154	CI/R/DI	100	140	-0.02	0.03	0.00
P-1084	J-6	J-116	161	CI/R/DI	100	140	-0.02	0.04	0.00
P-1085	J-633	J-782	195	CI/R/DI	100	140	0.13	0.19	0.50
P-1086	J-741	J-933	189	CI/R/DI	100	140	0.10	0.14	0.30
P-1087	J-776	J-644	201	CI/R/DI	100	140	-0.05	0.07	0.10
P-1088	J-640	J-989	166	CI/R/DI	100	140	0.05	0.08	0.10
P-1089	J-990	J-515	168	CI/R/DI	100	140	-0.07	0.10	0.20
P-1090	J-749	J-430	177	CI/R/DI	100	140	0.35	0.51	3.00
P-1091	J-886	J-645	172	CI/R/DI	100	140	0.22	0.32	1.30
P-1092	J-607	J-328	173	CI/R/DI	100	140	-0.30	0.44	2.40
P-1093	J-334	J-991	175	CI/R/DI	100	140	0.07	0.11	0.20
P-1094	J-289	J-753	175	CI/R/DI	100	140	0.29	0.42	2.20
P-1095	J-408	J-470	181	CI/R/DI	100	140	-0.38	0.56	3.60
P-1096	J-434	J-368	183	CI/R/DI	100	140	0.27	0.39	1.90
P-1097	J-904	J-409	182	CI/R/DI	200	140	1.60	0.59	1.80
P-1098	J-851	J-116	184	CI/R/DI	100	140	0.08	0.11	0.20
P-1099	J-182	J-293	188	CI/R/DI	100	140	-0.26	0.39	1.80
P-1100	J-181	J-964	196	CI/R/DI	100	140	0.09	0.14	0.30
P-1101	J-181	J-993	229	CI/R/DI	100	140	0.03	0.04	0.00
P-1102	J-178	J-994	279	CI/R/DI	100	140	0.13	0.19	0.50
P-1103	J-765	J-951	532	CI/R/DI	100	140	-0.09	0.14	0.30
P-1104	J-902	J-965	212	CI/R/DI	100	140	0.39	0.57	3.80

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1105	J-913	J-550	255	CI/R/DI	100	140	-0.28	0.41	2.10
P-1106	J-473	J-532	233	CI/R/DI	100	140	-0.23	0.34	1.50
P-1107	J-473	J-558	264	CI/R/DI	100	140	-0.22	0.33	1.40
P-1108	J-472	J-533	236	CI/R/DI	100	140	-0.26	0.39	1.80
P-1109	J-533	J-352	270	CI/R/DI	100	140	0.28	0.41	2.00
P-1110	J-918	J-20	239	DI/E	100	130	0.36	0.53	3.70
P-1111	J-45	J-147	239	CI/R/DI	100	140	-0.28	0.41	2.00
P-1112	J-208	J-86	240	CI/R/DI	100	140	0.26	0.39	1.80
P-1113	J-887	J-910	241	CI/R/DI	100	140	0.07	0.11	0.20
P-1114	J-995	J-714	243	CI/R/DI	100	140	0.40	0.59	4.00
P-1115	J-738	J-770	241	CI/R/DI	100	140	0.03	0.04	0.00
P-1116	J-568	J-173	242	CI/R/DI	100	140	-0.04	0.06	0.10
P-1117	J-569	J-280	243	CI/R/DI	100	140	-0.03	0.04	0.00
P-1118	J-562	J-598	241	CI/R/DI	100	140	0.34	0.50	2.90
P-1119	J-573	J-523	244	CI/R/DI	100	140	-0.01	0.02	0.00
P-1120	J-625	J-634	244	DI/P	100	140	0.00	0.00	0.00
P-1121	J-961	J-467	255	DI/E	200	130	-2.89	1.07	6.10
P-1122	J-136	J-117	260	CI/R/DI	100	140	0.38	0.56	3.70
P-1123	J-997	J-440	261	CI/R/DI	100	140	-0.36	0.54	3.40
P-1124	J-537	J-998	262	CI/R/DI	100	140	0.38	0.57	3.70
P-1125	J-283	J-124	264	CI/R/DI	100	140	0.38	0.56	3.70
P-1126	J-596	J-737	289	CI/R/DI	100	140	-0.33	0.48	2.80
P-1127	J-48	J-121	336	CI/R/DI	100	140	0.11	0.17	0.40
P-1128	J-257	J-41	350	CI/R/DI	100	140	-0.32	0.48	2.70
P-1129	J-811	J-828	72	CI/R/DI	100	140	-0.06	0.09	0.10
P-1130	J-815	J-925	30	CI/R/DI	100	140	-0.05	0.07	0.10
P-1131	J-925	J-946	64	CI/R/DI	100	140	0.02	0.03	0.00
P-1132	J-470	J-998	10	CI/R/DI	100	140	-0.37	0.54	3.60
P-1133	J-998	J-123	18	CI/R/DI	100	140	-0.10	0.15	0.30
P-1134	J-2	J-79	9	CI/R/DI	100	140	-0.05	0.07	0.10
P-1135	J-7	J-321	23	CI/R/DI	100	140	0.01	0.01	0.00
P-1136	J-88	J-3	9	CI/R/DI	100	140	-0.13	0.19	0.50
P-1137	J-118	J-997	16	CI/R/DI	100	140	-0.39	0.57	3.80
P-1138	J-997	J-470	11	CI/R/DI	100	140	-0.14	0.21	0.60
P-1139	J-4	J-716	66	CI/R/DI	100	140	0.26	0.39	1.80
P-1140	J-150	J-5	13	CI/R/DI	100	140	0.03	0.05	0.00
P-1141	J-565	J-982	57	CI/R/DI	100	140	0.13	0.19	0.50
P-1142	J-982	J-530	45	CI/R/DI	100	140	-0.05	0.08	0.10
P-1143	J-497	J-6	50	CI/R/DI	100	140	0.06	0.09	0.10
P-1144	J-387	J-7	25	CI/R/DI	100	140	0.08	0.11	0.20
P-1145	J-674	J-975	49	CI/R/DI	100	140	0.29	0.43	2.30
P-1146	J-975	J-640	56	CI/R/DI	100	140	0.45	0.66	5.00
P-1147	J-149	J-8	12	CI/R/DI	100	140	-0.15	0.22	0.70
P-1148	J-441	J-8	49	CI/R/DI	100	140	0.23	0.34	1.40
P-1149	J-1155	J-817	78	CI/R/DI	100	140	0.20	0.30	1.10
P-1150	J-207	J-10	13	CI/R/DI	100	140	0.08	0.11	0.20

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1151	J-32	J-57	44	CI/R/DI	100	140	0.15	0.22	0.60
P-1152	J-57	J-768	52	CI/R/DI	100	140	0.12	0.18	0.40
P-1153	J-768	J-661	67	CI/R/DI	100	140	0.14	0.21	0.60
P-1154	J-127	J-287	191	CI/R/DI	100	140	0.11	0.16	0.40
P-1155	J-287	J-999	75	CI/R/DI	100	140	0.01	0.01	0.00
P-1156	J-661	J-662	36	CI/R/DI	100	140	0.09	0.13	0.30
P-1157	J-662	J-127	142	CI/R/DI	100	140	0.15	0.22	0.60
P-1158	J-1000	J-74	36	CI/R/DI	100	140	-0.01	0.02	0.00
P-1159	J-1001	J-798	190	CI/R/DI	100	140	-0.08	0.11	0.20
P-1160	J-723	J-1114	118	CI/R/DI	100	140	0.00	0.01	0.00
P-1161	J-606	J-1002	180	CI/R/DI	100	140	0.07	0.11	0.20
P-1162	J-995	J-996	41	CI/R/DI	100	140	0.36	0.52	3.20
P-1163	J-996	J-561	28	CI/R/DI	100	140	-0.14	0.21	0.60
P-1164	J-1004	J-918	68	DI/E	100	130	-0.32	0.48	3.10
P-1165	J-558	J-1005	66	CI/R/DI	100	140	-0.49	0.73	5.90
P-1166	J-910	J-1006	67	CI/R/DI	100	140	-0.45	0.66	5.00
P-1167	J-409	J-1007	191	CI/R/DI	100	140	-0.29	0.43	2.20
P-1168	J-1008	J-688	60	CI/R/DI	100	140	0.29	0.43	2.20
P-1169	J-1009	J-32	34	CI/R/DI	100	140	0.00	0.01	0.00
P-1170	J-591	J-1010	44	CI/R/DI	100	140	0.02	0.03	0.00
P-1171	J-658	J-994	259	CI/R/DI	100	140	0.02	0.04	0.00
P-1172	J-994	J-964	52	CI/R/DI	100	140	0.08	0.12	0.20
P-1173	J-230	J-600	37	CI/R/DI	100	140	0.12	0.18	0.40
P-1174	J-600	J-599	99	CI/R/DI	100	140	0.02	0.03	0.00
P-1175	J-599	J-27	34	CI/R/DI	100	140	-0.03	0.04	0.00
P-1176	J-733	J-1011	86	CI/R/DI	100	140	0.00	0.00	0.00
P-1177	J-1011	J-853	72	CI/R/DI	100	140	-0.02	0.03	0.00
P-1178	J-1012	J-913	62	CI/R/DI	100	140	-0.28	0.41	2.00
P-1179	J-1007	J-1013	186	DI/E	200	130	-0.56	0.21	0.30
P-1180	J-56	J-1014	140	CI/R/DI	100	140	-0.05	0.08	0.10
P-1181	J-1020	J-1015	86	CI/E	450	80	-3.40	0.25	0.40
P-1182	J-729	J-1023	105	CI/R/DI	100	140	-0.12	0.18	0.40
P-1183	J-1023	J-803	46	CI/R/DI	100	140	0.17	0.25	0.80
P-1184	J-1023	J-1024	75	CI/R/DI	100	140	-0.36	0.54	3.40
P-1185	J-161	J-780	63	CI/R/DI	100	140	0.36	0.54	3.40
P-1186	J-780	J-444	17	CI/R/DI	100	140	0.26	0.38	1.90
P-1187	J-614	J-903	100	CI/R/DI	100	140	0.16	0.23	0.70
P-1188	J-903	J-911	31	CI/R/DI	100	140	0.13	0.19	0.50
P-1189	J-911	J-590	99	CI/R/DI	100	140	0.05	0.08	0.10
P-1190	J-42	J-901	83	CI/R/DI	100	140	-0.50	0.74	6.10
P-1191	J-901	J-891	90	CI/R/DI	100	140	-0.30	0.45	2.40
P-1192	J-151	J-806	89	CI/R/DI	100	140	0.37	0.55	3.50
P-1193	J-806	J-414	71	CI/R/DI	100	140	0.10	0.15	0.30
P-1194	J-24	J-1025	51	CI/R/DI	100	140	0.19	0.28	1.00
P-1195	J-1025	J-552	14	CI/R/DI	100	140	-0.09	0.14	0.30
P-1196	J-1025	J-1026	79	CI/R/DI	100	140	0.22	0.33	1.40

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1197	J-1027	J-620	59	CI/R/DI	100	140	-0.02	0.04	0.00
P-1198	J-359	J-1028	75	CI/R/DI	100	140	0.07	0.10	0.20
P-1199	J-1028	J-784	41	CI/R/DI	100	140	0.00	0.00	0.00
P-1200	J-868	J-1029	26	CI/R/DI	100	140	0.00	0.00	0.00
P-1201	J-1029	J-157	56	CI/R/DI	100	140	0.03	0.05	0.00
P-1202	J-1028	J-1029	32	CI/R/DI	100	140	0.05	0.08	0.10
P-1203	J-555	J-1030	35	CI/R/DI	100	140	0.28	0.41	2.10
P-1204	J-1030	J-893	60	CI/R/DI	100	140	0.02	0.04	0.00
P-1205	J-1030	J-1032	80	CI/R/DI	100	140	0.18	0.27	1.00
P-1206	J-1032	J-1031	40	CI/R/DI	100	140	0.02	0.02	0.00
P-1207	J-1032	J-1034	36	CI/R/DI	100	140	0.10	0.15	0.30
P-1208	J-1034	J-1033	69	CI/R/DI	100	140	0.03	0.04	0.00
P-1209	J-1034	J-1035	40	CI/R/DI	100	140	0.02	0.02	0.00
P-1210	J-126	J-1037	104	CI/R/DI	100	140	0.13	0.19	0.50
P-1211	J-1037	J-1036	150	CI/R/DI	100	140	0.05	0.07	0.10
P-1212	J-655	J-656	35	CI/R/DI	100	140	0.14	0.20	0.60
P-1213	J-634	J-1038	64	CI/R/DI	100	140	-0.22	0.32	1.30
P-1214	J-583	J-1039	18	CI/R/DI	100	140	0.01	0.01	0.00
P-1215	J-1040	J-613	21	CI/R/DI	100	140	-0.01	0.01	0.00
P-1216	J-1041	J-233	58	CI/R/DI	100	140	-0.02	0.03	0.00
P-1217	J-31	J-1042	36	CI/R/DI	100	140	0.01	0.02	0.00
P-1218	J-790	J-1043	31	CI/R/DI	100	140	0.01	0.01	0.00
P-1219	J-276	J-196	247	CI/R/DI	100	140	-0.47	0.70	5.40
P-1220	J-613	J-1044	139	CI/R/DI	100	140	-0.09	0.13	0.20
P-1221	J-412	J-1044	37	DI/P	100	140	-0.10	0.15	0.30
P-1222	J-1045	J-619	73	CI/R/DI	100	140	0.43	0.63	4.50
P-1223	J-1044	J-1045	26	DI/P	100	140	-0.25	0.37	1.70
P-1224	J-1046	J-655	4	CI/R/DI	100	140	0.20	0.29	1.20
P-1225	J-1045	J-1046	172	DI/P	100	140	0.28	0.42	2.10
P-1226	J-858	J-1048	98	CI/R/DI	100	140	0.03	0.05	0.00
P-1227	J-1049	J-623	100	CI/R/DI	100	140	-0.03	0.05	0.00
P-1228	J-575	J-1050	112	CI/R/DI	100	140	0.04	0.05	0.00
P-1229	J-1051	J-367	101	CI/R/DI	100	140	-0.03	0.05	0.00
P-1230	J-78	J-1052	329	CI/R/DI	100	140	0.10	0.15	0.30
P-1231	J-1053	J-58	333	CI/R/DI	100	140	-0.11	0.15	0.30
P-1232	J-124	J-1054	12	CI/R/DI	100	140	0.00	0.01	0.00
P-1233	J-1055	J-535	24	CI/R/DI	100	140	-0.01	0.01	0.00
P-1234	J-1056	J-536	23	CI/R/DI	100	140	-0.01	0.01	0.00
P-1235	J-1057	J-407	27	CI/R/DI	100	140	-0.01	0.02	0.00
P-1236	J-107	J-1058	57	CI/R/DI	100	140	0.02	0.03	0.00
P-1237	J-145	J-1059	58	CI/R/DI	100	140	0.02	0.03	0.00
P-1238	J-524	J-1060	26	CI/R/DI	100	140	0.01	0.02	0.00
P-1239	J-1061	J-296	57	CI/R/DI	100	140	-0.02	0.03	0.00
P-1240	J-1062	J-525	20	CI/R/DI	100	140	-0.01	0.01	0.00
P-1241	J-356	J-1063	62	CI/R/DI	100	140	0.02	0.03	0.00
P-1242	J-1064	J-542	29	CI/R/DI	100	140	-0.01	0.02	0.00

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1243	J-355	J-1065	54	CI/R/DI	100	140	0.02	0.03	0.00
P-1244	J-1066	J-397	54	CI/R/DI	100	140	-0.02	0.03	0.00
P-1245	J-15	J-1067	27	CI/R/DI	100	140	0.01	0.02	0.00
P-1246	J-369	J-1068	22	CI/R/DI	100	140	0.01	0.01	0.00
P-1247	J-1069	J-398	57	CI/R/DI	100	140	-0.02	0.03	0.00
P-1248	J-1070	J-495	36	CI/R/DI	100	140	-0.01	0.02	0.00
P-1249	J-1071	J-668	258	CI/R/DI	100	140	-0.11	0.16	0.30
P-1250	J-495	J-1072	65	CI/R/DI	100	140	0.02	0.03	0.00
P-1251	J-1073	J-886	64	CI/R/DI	100	140	0.10	0.14	0.30
P-1252	J-1075	J-628	135	CI/R/DI	100	140	-0.06	0.08	0.10
P-1253	J-913	J-1076	169	CI/R/DI	100	140	0.07	0.10	0.20
P-1254	J-885	J-1077	20	CI/R/DI	100	140	0.01	0.01	0.00
P-1255	J-965	J-1078	137	CI/R/DI	100	140	0.25	0.36	1.60
P-1256	J-1078	J-881	84	CI/R/DI	100	140	-0.38	0.56	3.70
P-1257	J-1079	J-1081	383	CI/R/DI	100	140	-0.38	0.56	3.70
P-1258	J-1080	J-789	45	CI/R/DI	100	140	0.02	0.03	0.00
P-1259	J-1080	J-1012	219	DI/P	100	140	-0.16	0.24	0.70
P-1260	J-409	J-1082	9	CI/R/DI	200	140	1.81	0.67	2.50
P-1261	J-1082	J-410	21	CI/R/DI	100	140	0.42	0.61	4.40
P-1262	J-1082	J-1008	463	DI/P	100	140	0.51	0.74	6.20
P-1263	J-135	J-1083	274	CI/R/DI	100	140	0.32	0.48	2.70
P-1264	J-1084	J-676	48	CI/R/DI	100	140	-0.02	0.03	0.00
P-1265	J-1085	J-1080	42	DI/P	100	140	-0.02	0.03	0.00
P-1266	J-995	J-1086	66	DI/P	100	140	0.58	0.85	7.90
P-1267	J-1086	J-1073	311	DI/P	100	140	0.25	0.37	1.70
P-1268	J-1086	J-1004	286	DI/P	100	140	0.05	0.08	0.10
P-1269	J-1004	J-1005	67	DI/P	100	140	0.21	0.30	1.20
P-1270	J-1005	J-1006	156	DI/P	100	140	0.54	0.80	7.00
P-1271	J-1120	J-1038	209	DI/P	100	140	0.20	0.29	1.10
P-1272	J-1038	J-1007	74	DI/P	100	140	-0.16	0.24	0.70
P-1273	J-1087	J-25	53	CI/R/DI	100	140	-0.13	0.20	0.50
P-1274	J-370	J-1088	34	CI/R/DI	100	140	0.09	0.13	0.20
P-1275	J-1088	J-1087	70	DI/P	100	140	0.05	0.07	0.10
P-1276	J-1087	J-1089	23	DI/P	100	140	0.12	0.18	0.40
P-1277	J-1089	J-449	26	DI/P	100	140	-0.01	0.01	0.00
P-1278	J-1089	J-13	114	DI/P	100	140	0.06	0.09	0.10
P-1279	J-346	J-1090	186	CI/R/DI	100	140	0.08	0.11	0.20
P-1280	J-1091	J-693	23	CI/R/DI	100	140	-0.01	0.01	0.00
P-1281	J-208	J-1092	55	CI/R/DI	100	140	0.02	0.03	0.00
P-1282	J-1094	J-858	167	CI/R/DI	100	140	-0.05	0.08	0.10
P-1283	J-240	J-1095	204	CI/R/DI	100	140	-0.04	0.06	0.00
P-1284	J-1096	J-766	42	CI/R/DI	100	140	0.01	0.02	0.00
P-1285	J-1095	J-1096	145	DI/P	100	140	-0.15	0.22	0.60
P-1286	J-1097	J-718	57	CI/R/DI	100	140	0.14	0.21	0.60
P-1287	J-1096	J-1097	47	DI/P	100	140	-0.23	0.35	1.50
P-1288	J-1098	J-916	67	CI/R/DI	100	140	0.02	0.03	0.00

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1289	J-1097	J-1098	104	DI/P	100	140	-0.45	0.66	4.90
P-1290	J-1098	J-1099	64	DI/P	100	140	-0.54	0.80	7.00
P-1291	J-212	J-1100	67	CI/R/DI	100	140	0.13	0.19	0.50
P-1292	J-1099	J-1100	75	DI/P	100	140	-0.63	0.93	9.30
P-1293	J-796	J-1101	49	CI/R/DI	100	140	-0.02	0.02	0.00
P-1294	J-1100	J-1101	36	DI/P	100	140	-0.56	0.82	7.50
P-1295	J-1101	J-1102	16	DI/P	100	140	-0.61	0.89	8.90
P-1296	J-711	J-1103	43	CI/R/DI	100	140	0.26	0.38	1.80
P-1297	J-1102	J-1103	75	DI/P	100	140	-0.56	0.82	7.40
P-1298	J-745	J-1104	4	CI/R/DI	100	140	0.32	0.48	3.00
P-1299	J-1104	J-711	126	CI/R/DI	100	140	0.34	0.50	2.90
P-1300	J-341	J-1105	195	CI/R/DI	100	140	-0.17	0.25	0.80
P-1301	J-1104	J-1105	94	DI/P	100	140	-0.09	0.13	0.20
P-1302	J-1106	J-859	125	CI/R/DI	100	140	0.26	0.38	1.80
P-1303	J-1105	J-1106	102	DI/P	100	140	-0.38	0.56	3.70
P-1304	J-949	J-1107	310	CI/R/DI	100	140	-0.49	0.73	5.90
P-1305	J-1107	J-467	8	CI/R/DI	150	140	-1.18	0.77	4.50
P-1306	J-1106	J-1107	244	DI/P	100	140	-0.51	0.75	6.30
P-1307	J-252	J-1099	37	CI/R/DI	100	140	-0.03	0.05	0.00
P-1308	J-620	J-1026	37	DI/P	100	140	0.20	0.29	1.10
P-1309	J-1026	J-970	45	DI/P	100	140	0.36	0.52	3.20
P-1310	J-970	J-1108	45	DI/P	100	140	0.60	0.89	8.70
P-1311	J-1108	J-981	53	DI/P	100	140	0.51	0.75	6.20
P-1312	J-1108	J-1109	71	DI/P	100	140	0.03	0.04	0.00
P-1313	J-1210	J-1018	251	CI/E	600	80	20.14	0.82	2.60
P-1314	J-511	J-1110	104	CI/R/DI	100	140	0.10	0.15	0.30
P-1315	J-1110	J-116	12	CI/R/DI	100	140	0.09	0.14	0.30
P-1316	J-1111	J-1110	132	DI/P	100	140	0.09	0.13	0.30
P-1317	J-511	J-1111	26	DI/P	100	140	0.00	0.00	0.00
P-1318	J-1083	J-1112	64	DI/P	100	140	0.19	0.27	1.00
P-1319	J-1112	J-1111	105	DI/P	100	140	0.20	0.29	1.10
P-1320	J-538	J-1112	27	DI/P	100	140	0.09	0.13	0.30
P-1321	J-585	J-972	33	CI/R/DI	100	140	0.10	0.14	0.30
P-1322	J-972	J-887	28	CI/R/DI	100	140	-0.24	0.36	1.60
P-1323	J-706	J-1113	37	CI/R/DI	100	140	-0.11	0.16	0.40
P-1324	J-1113	J-723	8	CI/R/DI	100	140	0.00	0.00	0.00
P-1325	J-1113	J-1114	112	DI/E	150	130	0.01	0.01	0.00
P-1326	J-1018	J-1019	296	DI/E	400	130	5.13	0.47	0.60
P-1327	J-1115	J-745	53	DI/E	200	130	-0.44	0.16	0.20
P-1328	J-1103	J-1115	127	DI/P	100	140	-0.37	0.55	3.50
P-1329	J-1115	J-1104	49	DI/P	100	140	0.01	0.02	0.00
P-1330	J-1024	J-1022	46	CI/E	400	80	0.01	0.00	0.00
P-1331	J-1116	J-111	6	DI/P	200	140	1.06	0.39	1.00
P-1332	J-1019	FCV-7 (W-138)	114	CI/E	400	80	5.13	0.47	1.50
P-1333	J-1015	J-1117	196	DI/E	150	130	0.52	0.34	1.00
P-1334	J-1117	J-1016	133	DI/E	150	130	0.30	0.20	0.40

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1335	J-1118	J-1119	85	DI/P	150	140	1.14	0.75	3.90
P-1336	J-1013	J-1120	96	DI/E	150	130	-0.56	0.37	1.20
P-1337	J-1120	J-1119	435	DI/E	150	130	-1.14	0.75	4.40
P-1338	J-83	J-420	41	CI/R/DI	100	140	-0.05	0.07	0.10
P-1339	J-420	J-62	38	CI/R/DI	100	140	-0.14	0.21	0.60
P-1340	J-467	J-1122	311	DI/P	200	140	3.07	1.13	5.90
P-1341	J-1122	J-949	7	DI/P	100	140	0.30	0.44	2.40
P-1342	J-1123	J-32	8	DI/P	150	140	0.09	0.06	0.00
P-1343	J-1123	J-1124	100	DI/P	200	140	0.80	0.30	0.50
P-1344	J-1124	J-768	6	DI/P	150	140	0.07	0.05	0.00
P-1345	J-1020	J-1125	6	DI/P	300	140	2.19	0.36	0.50
P-1346	J-924	J-1125	76	CI/R/DI	100	140	-0.16	0.23	0.70
P-1347	J-1126	J-1123	70	DI/P	250	140	0.89	0.21	0.20
P-1348	J-1126	J-694	5	DI/P	100	140	0.04	0.07	0.10
P-1349	J-1127	J-130	6	DI/P	150	140	0.36	0.24	0.50
P-1350	J-1127	J-658	88	DI/P	150	140	0.21	0.14	0.20
P-1351	J-1124	J-1128	104	DI/P	200	140	0.73	0.27	0.40
P-1352	J-1128	J-1127	238	DI/P	200	140	0.57	0.21	0.30
P-1353	J-1128	J-662	7	DI/P	100	140	0.16	0.24	0.80
P-1354	J-1117	J-1129	567	DI/E	150	130	0.22	0.15	0.20
P-1355	J-1129	J-273	118	DI/E	150	130	0.16	0.11	0.10
P-1356	J-178	J-1130	51	DI/P	250	140	1.59	0.37	0.60
P-1357	J-52	J-1131	45	CI/R/DI	100	140	0.11	0.16	0.30
P-1358	J-1131	J-951	110	CI/R/DI	100	140	0.07	0.11	0.20
P-1359	J-47	J-1131	30	DI/P	100	140	-0.01	0.01	0.00
P-1360	J-870	J-200	63	CI/R/DI	100	140	-0.01	0.01	0.00
P-1361	J-1017	J-1014	200	DI/E	150	130	0.20	0.13	0.20
P-1362	J-852	J-1132	52	CI/R/DI	100	140	-0.08	0.12	0.20
P-1363	J-1132	J-802	68	CI/R/DI	100	140	0.07	0.11	0.20
P-1364	J-1129	J-1132	5	DI/P	100	140	0.06	0.09	0.10
P-1365	J-1016	J-274	557	DI/E	150	130	0.15	0.10	0.10
P-1366	J-274	J-1017	7	DI/E	150	130	0.05	0.03	0.00
P-1367	J-1136	J-905	72	CI/R/DI	100	140	0.01	0.01	0.00
P-1368	J-1014	J-1133	53	DI/P	150	140	0.40	0.26	0.60
P-1369	J-1133	J-359	6	DI/P	150	140	0.20	0.13	0.20
P-1370	J-1133	J-1134	116	DI/P	150	140	0.20	0.13	0.20
P-1371	J-1134	J-63	156	DI/P	150	140	0.17	0.11	0.10
P-1372	J-1134	J-158	7	DI/P	100	140	0.03	0.04	0.00
P-1373	J-1016	J-1017	521	DI/E	150	130	0.15	0.10	0.10
P-1374	J-1130	J-33	7	DI/P	150	140	0.17	0.11	0.10
P-1375	J-765	J-1135	169	DI/E	150	130	-0.17	0.11	0.10
P-1376	J-1135	J-1014	135	DI/E	150	130	0.27	0.18	0.30
P-1377	J-432	J-1136	28	CI/R/DI	100	140	0.10	0.15	0.30
P-1378	J-1136	J-200	26	CI/R/DI	100	140	0.08	0.12	0.20
P-1379	J-1138	J-380	20	DI/E	100	130	0.06	0.09	0.10
P-1380	J-307	J-1139	42	CI/R/DI	100	140	-0.06	0.09	0.10

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1381	J-1139	J-1113	154	DI/E	150	130	0.13	0.08	0.10
P-1382	J-1137	J-1138	37	DI/E	150	130	0.26	0.17	0.30
P-1383	J-1138	J-1139	71	DI/E	150	130	0.20	0.13	0.20
P-1384	J-1137	J-9	9	CI/R/DI	100	140	0.14	0.20	0.60
P-1385	J-56	J-723	360	CI/R/DI	100	140	0.06	0.09	0.10
P-1386	J-354	J-1140	135	CI/R/DI	100	140	-0.10	0.14	0.30
P-1387	J-1135	J-1140	36	DI/E	150	130	0.50	0.33	1.00
P-1388	J-1140	J-1137	53	DI/E	150	130	0.39	0.26	0.60
P-1389	J-227	J-1141	7	CI/R/DI	100	140	-0.05	0.07	0.10
P-1390	J-1141	J-912	67	CI/R/DI	100	140	0.01	0.01	0.00
P-1391	J-1130	J-1141	75	DI/P	250	140	1.23	0.29	0.40
P-1392	J-1141	J-1142	88	DI/P	250	140	1.16	0.27	0.30
P-1393	J-1142	J-245	7	DI/P	150	140	0.05	0.03	0.00
P-1394	J-1142	J-1143	88	DI/P	250	140	1.11	0.26	0.30
P-1395	J-1143	J-1135	265	DI/P	250	140	0.95	0.22	0.20
P-1396	J-1143	J-122	9	DI/P	150	140	-0.05	0.03	0.00
P-1397	J-1020	J-1144	31	DI/P	250	140	1.21	0.29	0.40
P-1398	J-1144	J-1126	126	DI/P	250	140	0.94	0.22	0.20
P-1399	J-1144	J-582	4	DI/P	150	140	0.28	0.18	0.30
P-1400	J-1125	J-1145	52	DI/P	300	140	2.02	0.33	0.40
P-1401	J-1145	J-178	230	DI/P	300	140	1.75	0.29	0.30
P-1402	J-1145	J-741	6	DI/P	150	140	0.27	0.18	0.30
P-1403	J-1079	J-591	479	CI/R/DI	100	140	0.03	0.04	0.00
P-1404	J-1081	J-1082	182	DI/P	100	140	-0.61	0.90	8.80
P-1405	J-1146	J-918	10	DI/P	150	140	0.77	0.51	2.00
P-1406	J-1146	J-1147	316	DI/P	200	140	2.13	0.78	3.00
P-1407	J-1147	J-645	7	DI/P	150	140	0.33	0.21	0.40
P-1408	J-1148	J-904	279	DI/P	200	140	1.51	0.56	1.60
P-1409	J-1147	J-1149	153	DI/P	200	140	1.80	0.66	2.20
P-1410	J-1149	J-1148	64	DI/P	200	140	2.35	0.86	3.70
P-1411	J-1149	J-352	80	DI/P	150	140	-0.54	0.36	1.00
P-1412	J-20	J-584	32	DI/E	100	130	0.24	0.35	1.80
P-1413	J-1150	J-1146	108	DI/P	300	140	4.84	0.79	1.90
P-1414	J-1150	J-561	6	DI/P	200	140	0.78	0.29	0.50
P-1415	J-1146	J-1151	114	DI/P	200	140	1.94	0.71	2.60
P-1416	J-1151	J-1005	6	DI/P	150	140	0.95	0.62	3.00
P-1417	J-1151	J-533	127	DI/P	150	140	0.99	0.65	3.00
P-1418	J-1148	J-887	72	DI/P	150	140	0.84	0.55	2.20
P-1419	J-1150	J-1152	69	CI/E	400	80	-5.62	0.52	1.80
P-1420	J-1152	J-1118	74	CI/E	400	80	-7.10	0.65	2.70
P-1421	J-1152	J-995	6	DI/P	200	140	1.47	0.54	1.80
P-1422	J-873	J-850	206	CI/R/DI	100	140	0.27	0.40	1.90
P-1423	J-873	J-616	64	CI/R/DI	100	140	-0.26	0.38	1.80
P-1424	J-881	J-850	67	CI/R/DI	100	140	-0.20	0.30	1.10
P-1425	J-850	J-851	52	CI/R/DI	100	140	0.17	0.24	0.80
P-1426	J-850	J-897	69	CI/R/DI	100	140	-0.26	0.39	1.80

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1427	J-892	J-913	175	CI/R/DI	100	140	0.34	0.49	2.90
P-1428	J-629	J-1153	66	CI/R/DI	100	140	-0.29	0.43	2.30
P-1429	J-892	J-1153	70	CI/R/DI	100	140	0.38	0.56	3.70
P-1430	J-1153	J-885	78	CI/R/DI	100	140	0.00	0.00	0.00
P-1431	J-1212	J-1121	954	DI/P	400	140	12.92	1.19	2.90
P-1432	J-1155	J-211	74	CI/R/DI	100	140	0.31	0.45	2.50
P-1433	J-1155	J-213	105	DI/P	150	140	0.57	0.37	1.10
P-1434	J-1156	J-1045	410	DI/P	150	140	1.04	0.68	3.30
P-1435	J-1156	J-196	6	DI/P	150	140	0.01	0.01	0.00
P-1436	J-1116	J-1157	179	CI/E	400	80	5.50	0.51	1.70
P-1437	J-1157	J-271	6	DI/P	150	140	0.74	0.49	2.00
P-1438	J-1157	J-1158	268	DI/P	200	140	1.09	0.40	0.90
P-1439	J-1158	J-164	7	DI/P	100	140	0.42	0.62	4.70
P-1440	J-1158	J-464	252	DI/P	150	140	0.67	0.44	1.40
P-1441	J-961	J-1106	9	DI/P	150	140	0.28	0.18	0.30
P-1442	J-1157	J-1160	226	CI/E	400	80	3.66	0.34	0.80
P-1443	J-112	J-1159	7	CI/R/DI	100	140	-0.34	0.50	3.20
P-1444	J-1159	J-132	126	CI/R/DI	100	140	0.20	0.29	1.10
P-1445	J-1160	J-1159	4	CI/E	400	80	3.10	0.29	0.70
P-1446	J-1160	J-132	129	DI/P	150	140	0.57	0.37	1.10
P-1447	J-1159	J-1161	130	CI/E	400	80	2.51	0.23	0.40
P-1448	J-922	J-1161	114	CI/R/DI	100	140	-0.23	0.35	1.50
P-1449	J-1161	J-579	7	CI/R/DI	200	140	0.75	0.28	0.50
P-1450	J-1116	J-1162	131	DI/P	200	140	2.34	0.86	3.60
P-1451	J-1162	J-673	6	DI/P	150	140	0.84	0.55	2.40
P-1452	J-1162	J-1163	227	DI/P	200	140	1.50	0.55	1.60
P-1453	J-1163	J-347	8	DI/P	150	140	0.83	0.54	2.30
P-1454	J-1163	J-441	113	DI/P	150	140	0.68	0.44	1.50
P-1455	J-1161	J-1164	82	CI/E	400	80	1.49	0.14	0.20
P-1456	J-1164	J-1024	389	CI/E	400	80	0.42	0.04	0.00
P-1457	J-1164	J-504	43	DI/P	150	140	1.08	0.71	3.50
P-1458	J-112	J-321	63	CI/R/DI	100	140	0.10	0.15	0.30
P-1459	J-358	J-347	96	CI/R/DI	100	140	-0.23	0.34	1.40
P-1460	J-1165	J-858	2	DI/P	100	140	0.63	0.93	11.20
P-1461	J-1165	J-1166	90	DI/P	250	140	4.50	1.06	4.10
P-1462	J-1166	J-575	6	DI/P	150	140	0.17	0.11	0.10
P-1463	J-1166	J-1167	55	DI/P	250	140	4.34	1.02	3.90
P-1464	J-1167	J-366	7	DI/P	150	140	0.60	0.39	1.30
P-1465	J-1167	J-1168	107	DI/P	250	140	2.70	0.64	1.60
P-1466	J-1168	J-709	7	DI/P	150	140	1.23	0.81	4.90
P-1467	J-475	J-1169	8	CI/R/DI	150	140	-1.14	0.75	4.20
P-1468	J-1169	J-339	32	CI/R/DI	100	140	0.32	0.47	2.70
P-1469	J-1168	J-1169	126	DI/P	200	140	1.47	0.54	1.50
P-1470	J-1167	J-1170	152	DI/P	150	140	1.03	0.68	3.20
P-1471	J-1170	J-49	8	DI/P	100	140	0.17	0.25	0.90
P-1472	J-1170	J-328	271	DI/P	150	140	0.86	0.56	2.30

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1473	J-1171	J-283	7	DI/P	300	140	0.86	0.14	0.10
P-1474	J-1171	J-1172	266	DI/P	200	140	2.35	0.86	3.60
P-1475	J-1172	J-124	7	DI/P	150	140	0.34	0.22	0.40
P-1476	J-1172	J-1173	48	DI/P	200	140	2.01	0.74	2.80
P-1477	J-1173	J-470	5	DI/P	150	140	0.23	0.15	0.20
P-1478	J-1173	J-261	64	DI/P	150	140	0.69	0.45	1.50
P-1479	J-408	J-1174	5	CI/R/DI	100	140	-0.18	0.27	1.00
P-1480	J-1174	J-362	24	CI/R/DI	100	140	0.20	0.30	1.20
P-1481	J-1173	J-1174	184	DI/P	150	140	1.09	0.71	3.60
P-1482	J-1174	J-350	76	DI/P	150	140	0.69	0.46	1.60
P-1483	J-1171	J-1175	32	DI/P	250	140	3.56	0.84	2.80
P-1484	J-1175	J-537	5	DI/P	150	140	0.56	0.37	1.20
P-1485	J-1176	J-606	33	DI/P	200	140	0.79	0.29	0.50
P-1486	J-1176	J-1177	145	DI/P	150	140	1.23	0.81	4.50
P-1487	J-1177	J-610	5	DI/P	150	140	0.38	0.25	0.60
P-1488	J-1177	J-434	88	DI/P	150	140	0.85	0.56	2.30
P-1489	J-1175	J-1178	59	DI/P	250	140	3.00	0.71	2.00
P-1490	J-1178	J-1176	37	DI/P	200	140	2.02	0.74	2.80
P-1491	J-1178	J-136	4	DI/P	150	140	0.98	0.64	3.40
P-1492	J-1179	J-4	5	DI/P	150	140	0.67	0.44	1.60
P-1493	J-1179	J-324	101	DI/P	150	140	0.28	0.18	0.30
P-1494	J-1180	J-1179	108	DI/P	150	140	0.95	0.62	2.80
P-1495	J-1180	J-1181	172	DI/P	250	140	3.36	0.79	2.40
P-1496	J-1181	J-195	3	DI/P	150	140	1.02	0.67	3.80
P-1497	J-1181	J-1182	46	DI/P	200	140	2.34	0.86	3.70
P-1498	J-1182	J-365	3	DI/P	100	140	0.21	0.31	1.30
P-1499	J-1182	J-1183	69	DI/P	200	140	2.13	0.79	3.10
P-1500	J-1183	J-775	5	DI/P	100	140	0.24	0.36	1.70
P-1501	J-1183	J-1184	94	DI/P	200	140	1.89	0.70	2.40
P-1502	J-1184	J-169	6	DI/P	150	140	0.32	0.21	0.40
P-1503	J-1184	J-1185	41	DI/P	150	140	1.08	0.71	3.60
P-1504	J-1185	J-72	8	DI/P	150	140	0.53	0.35	1.00
P-1505	J-1184	J-70	49	DI/P	150	140	0.48	0.32	0.80
P-1506	J-1185	J-73	5	DI/P	150	140	0.36	0.24	0.50
P-1507	J-73	J-60	137	DI/P	150	140	0.68	0.45	1.50
P-1508	J-1186	J-77	8	DI/P	350	140	1.07	0.13	0.10
P-1509	J-1186	J-1187	67	DI/P	250	140	4.95	1.17	5.00
P-1510	J-1187	J-288	5	DI/P	150	140	0.22	0.15	0.20
P-1511	J-1188	J-42	6	DI/P	150	140	-0.20	0.13	0.20
P-1512	J-1189	J-89	8	DI/P	150	140	0.70	0.46	1.70
P-1513	J-1190	J-528	7	DI/P	150	140	0.89	0.59	2.70
P-1514	J-1190	J-443	115	DI/P	150	140	0.75	0.49	1.80
P-1515	J-1189	J-1191	101	DI/P	150	140	1.24	0.81	4.50
P-1516	J-1191	J-762	6	DI/P	150	140	0.28	0.18	0.30
P-1517	J-1186	J-1192	136	DI/P	200	140	2.59	0.95	4.40
P-1518	J-1192	J-151	4	DI/P	150	140	0.97	0.64	3.30

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1519	J-1192	J-1193	139	DI/P	150	140	0.91	0.60	2.60
P-1520	J-1193	J-797	6	DI/P	100	140	0.25	0.37	1.80
P-1521	J-1193	J-638	153	DI/P	150	140	0.65	0.43	1.40
P-1522	J-1192	J-429	221	DI/P	150	140	0.70	0.46	1.60
P-1523	J-1189	J-1194	47	DI/P	200	140	2.34	0.86	3.70
P-1524	J-1194	J-1190	70	DI/P	200	140	1.64	0.61	1.90
P-1525	J-1194	J-69	6	DI/P	150	140	0.70	0.46	1.70
P-1526	J-1188	J-1195	43	DI/P	250	140	4.65	1.10	4.50
P-1527	J-1195	J-1189	56	DI/P	250	140	4.28	1.01	3.80
P-1528	J-1195	J-334	5	DI/P	100	140	0.37	0.54	3.70
P-1529	J-1187	J-1196	83	DI/P	250	140	4.73	1.12	4.50
P-1530	J-1196	J-1188	182	DI/P	250	140	4.45	1.05	4.00
P-1531	J-1196	J-891	4	DI/P	100	140	0.28	0.41	2.20
P-1532	J-1197	J-760	141	DI/P	150	140	0.54	0.35	1.00
P-1533	J-1197	J-777	5	DI/P	100	140	0.20	0.29	1.20
P-1534	J-1198	J-910	7	DI/P	100	140	-0.03	0.04	0.00
P-1535	J-1120	J-1198	67	DI/E	150	130	0.30	0.19	0.40
P-1536	J-1198	J-395	522	DI/E	150	130	0.32	0.21	0.40
P-1537	J-961	J-483	191	DI/P	150	140	0.55	0.36	1.00
P-1538	J-1102	J-1199	149	CI/R/DI	100	140	-0.13	0.18	0.50
P-1539	J-940	J-1199	200	DI/P	150	140	1.30	0.85	4.90
P-1540	J-1199	J-1155	65	DI/P	150	140	1.13	0.74	3.80
P-1541	J-1122	TNHB QUARTERS	26	CI/R/DI	100	140	1.08	1.59	25.60
P-1542	J-1122	J-1200	265	DI/P	150	140	1.69	1.11	8.00
P-1543	J-1200	J-1156	384	DI/P	150	140	1.05	0.69	3.30
P-1544	J-1200	ESIC COLLEGE & HOSPITAL	43	DI/P	100	140	0.64	0.94	9.50
P-1545	J-183	J-351	80	CI/R/DI	100	140	-0.34	0.50	2.90
P-1546	J-351	J-294	111	CI/R/DI	100	140	-0.26	0.38	1.80
P-1547	FCV-1 (W-128)	J-1021	670	CI/E	450	80	-3.93	0.29	0.50
P-1548	J-1015	FCV-1 (W-128)	5	CI/E	450	80	-3.93	0.29	0.60
P-1549	FCV-2 (W-137)	J-1118	6	CI/E	400	80	8.23	0.76	4.00
P-1550	J-1018	FCV-2 (W-137)	590	CI/E	400	80	8.23	0.76	3.60
P-1551	FCV-4 (W-137)	J-1018	118	DI/P	300	140	-6.77	1.11	3.60
P-1552	FCV-4 (W-137)	J-1171	5	DI/P	300	140	6.77	1.11	4.70
P-1553	J-1121	FCV-5 (W-137)	4	DI/P	300	140	4.31	0.71	2.20
P-1554	FCV-5 (W-137)	J-1180	2	DI/P	300	140	4.31	0.71	2.60

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1555	FCV-7 (W-138)	J-1165	3	DI/P	250	140	5.13	1.21	7.60
P-1556	J-1121	FCV-6 (W-137)	547	DI/P	300	140	8.61	1.41	5.60
P-1557	FCV-6 (W-137)	J-1186	6	DI/P	350	140	8.61	1.04	3.60
P-1558	J-1154	FCV-8 (W-138)	11	DI/P	300	140	7.14	1.17	4.50
P-1559	FCV-8 (W-138)	J-467	5	DI/P	300	140	7.14	1.17	5.30
P-1560	J-1154	FCV-9 (W-138)	506	CI/E	400	80	8.90	0.82	4.10
P-1561	FCV-9 (W-138)	J-1116	4	CI/E	400	80	8.90	0.82	4.90
P-1562	J-1191	J-1201	107	DI/P	150	140	0.96	0.63	2.80
P-1563	J-1201	J-1197	69	DI/P	150	140	0.74	0.49	1.80
P-1564	J-1201	J-302	127	DI/P	150	140	0.21	0.14	0.20
P-1565	J-224	J-222	25	DI/P	100	140	0.00	0.00	0.00
P-1566	J-190	J-927	79	CI/R/DI	100	140	0.09	0.14	0.30
P-1567	J-521	J-12	36	CI/R/DI	100	140	-0.04	0.06	0.10
P-1568	J-75	J-867	58	CI/R/DI	100	140	0.07	0.10	0.20
P-1569	J-399	J-1202	30	CI/R/DI	100	140	0.00	0.00	0.00
P-1570	J-358	J-952	102	CI/R/DI	100	140	0.10	0.14	0.30
P-1571	J-681	J-636	47	CI/R/DI	100	140	-0.42	0.62	4.40
P-1572	J-96	J-922	252	CI/R/DI	100	140	-0.15	0.22	0.60
P-1573	J-922	SCV-17	4	DI/P	100	140	0.00	0.00	0.00
P-1574	SCV-17	J-1203	3	DI/P	100	140	0.00	0.00	0.00
P-1575	6ML	J-1204	52	DI/P	800	130	60.30	1.39	2.20
P-1576	J-1204	FCV-3 (W-137)	3	DI/P	300	140	7.28	1.19	6.40
P-1577	FCV-3 (W-137)	J-223	3	DI/P	300	140	7.28	1.19	6.20
P-1578	J-223	J-1205	283	DI/P	300	140	5.98	0.98	2.90
P-1579	J-1206	J-897	5	DI/P	150	140	0.98	0.64	3.30
P-1580	J-1206	J-1207	220	DI/P	200	140	1.72	0.63	2.00
P-1581	J-1207	J-664	8	DI/P	200	140	1.14	0.42	1.10
P-1582	J-1205	J-1208	63	DI/P	300	140	5.18	0.85	2.20
P-1583	J-1208	J-1206	276	DI/P	250	140	3.20	0.75	2.20
P-1584	J-1208	J-546	215	DI/P	150	140	0.90	0.59	2.50
P-1585	J-1208	J-1209	62	DI/P	150	140	1.08	0.71	3.60
P-1586	J-1209	J-617	158	DI/P	150	140	0.21	0.14	0.20
P-1587	J-1209	J-616	4	DI/P	150	140	0.87	0.57	2.70
P-1588	J-1205	J-135	4	DI/P	150	140	0.80	0.52	2.40
P-1589	J-1206	J-446	69	DI/P	150	140	0.50	0.33	0.80
P-1590	J-1207	J-520	111	DI/P	150	140	0.57	0.38	1.10
P-1591	J-1021	J-1210	499	CI/E	600	80	-3.93	0.16	0.10

PIPE TABLE-KK NAGAR WDS-04 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1592	J-1204	J-1211	507	DI/P	700	130	53.02	1.59	3.00
P-1593	J-1211	J-1210	284	DI/P	600	130	24.06	0.99	1.50
P-1594	J-1211	J-1212	241	DI/P	500	140	28.95	1.71	4.40
P-1595	J-1212	J-1154	297	DI/P	500	140	16.04	0.95	1.50
P-1596	J-687	6ML	31	DI/P	600	140	52.99	2.17	5.50
P-1597	J-1003	SCV-1	12	CI/R/DI	100	140	-0.03	0.04	0.00
P-1598	SCV-1	J-765	213	CI/R/DI	100	140	-0.03	0.04	0.00
P-1599	J-226	SCV-2	15	CI/R/DI	100	140	0.00	0.00	0.00
P-1600	SCV-2	J-388	6	CI/R/DI	100	140	0.00	0.00	0.00
P-1601	J-541	SCV-3	19	CI/R/DI	100	140	-0.37	0.54	3.50
P-1602	SCV-3	J-996	225	CI/R/DI	100	140	-0.37	0.54	3.40
P-1603	J-119	SCV-4	6	CI/R/DI	100	140	0.00	0.00	0.00
P-1604	SCV-4	J-120	5	CI/R/DI	100	140	0.00	0.00	0.00
P-1605	J-491	SCV-5	37	CI/R/DI	100	140	0.02	0.03	0.00
P-1606	SCV-5	J-821	13	CI/R/DI	100	140	0.02	0.03	0.00
P-1607	J-629	SCV-6	92	CI/R/DI	100	140	0.04	0.06	0.10
P-1608	SCV-6	J-1074	11	CI/R/DI	100	140	0.04	0.06	0.10
P-1609	J-370	SCV-7	90	CI/R/DI	100	140	0.04	0.07	0.10
P-1610	SCV-7	J-962	18	CI/R/DI	100	140	0.04	0.07	0.10
P-1611	J-123	SCV-8	5	CI/R/DI	100	140	-0.60	0.88	9.10
P-1612	SCV-8	J-124	5	CI/R/DI	100	140	-0.60	0.88	9.20
P-1613	J-842	SCV-9	9	CI/R/DI	100	140	-0.03	0.04	0.00
P-1614	SCV-9	J-722	59	CI/R/DI	100	140	-0.03	0.04	0.00
P-1615	J-979	SCV-10	49	CI/R/DI	100	140	-0.06	0.09	0.10
P-1616	SCV-10	J-823	97	CI/R/DI	100	140	-0.06	0.09	0.10
P-1617	J-376	SCV-11	3	CI/R/DI	100	140	0.01	0.01	0.00
P-1618	SCV-11	J-377	22	CI/R/DI	100	140	0.01	0.01	0.00
P-1619	J-992	SCV-12	6	CI/R/DI	100	140	-0.09	0.13	0.30
P-1620	SCV-12	J-68	208	CI/R/DI	100	140	-0.09	0.13	0.20
P-1621	J-637	SCV-13	50	CI/R/DI	100	140	0.02	0.03	0.00
P-1622	SCV-13	J-1093	8	CI/R/DI	100	140	0.02	0.03	0.00
P-1623	J-397	SCV-14	3	CI/R/DI	100	140	0.03	0.05	0.00
P-1624	SCV-14	J-398	22	CI/R/DI	100	140	0.03	0.05	0.00
P-1625	J-1046	SCV-15	32	DI/P	100	140	0.01	0.02	0.00
P-1626	SCV-15	J-1047	14	DI/P	100	140	0.01	0.02	0.00
P-1627	J-677	SCV-16	15	CI/R/DI	100	140	-0.01	0.02	0.00
P-1628	SCV-16	J-678	22	CI/R/DI	100	140	-0.01	0.02	0.00
P-1629	J-966	SCV-18	138	CI/R/DI	100	140	0.05	0.07	0.10
P-1630	SCV-18	J-978	10	CI/R/DI	100	140	0.05	0.07	0.10

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-1	8.12	0.05	19.00
J-2	11.30	0.01	19.00
J-3	6.43	0.07	19.00
J-4	7.21	0.06	20.00
J-5	11.70	0.02	18.00
J-6	10.69	0.09	20.00
J-7	7.38	0.04	20.00
J-8	8.66	0.04	18.00
J-9	11.34	0.02	19.00
J-10	11.18	0.02	19.00
J-11	6.14	0.09	16.00
J-12	11.72	0.05	9.00
J-13	9.04	0.16	18.00
J-14	8.75	0.09	18.00
J-15	9.84	0.06	18.00
J-16	11.85	0.01	18.00
J-17	10.76	0.05	17.00
J-18	6.10	0.06	17.00
J-19	8.32	0.03	19.00
J-20	10.58	0.21	16.00
J-21	10.53	0.09	10.00
J-22	11.22	0.06	12.00
J-23	5.47	0.09	21.00
J-24	11.25	0.10	12.00
J-25	9.16	0.08	18.00
J-26	11.82	0.02	18.00
J-27	10.74	0.06	17.00
J-28	9.76	0.13	13.00
J-29	12.15	0.04	18.00
J-30	7.34	0.10	19.00
J-31	8.08	0.03	15.00
J-32	12.30	0.02	18.00
J-33	12.25	0.01	18.00
J-34	6.47	0.03	20.00
J-35	6.48	0.07	20.00
J-36	11.56	0.08	12.00
J-37	12.37	0.01	18.00
J-38	11.83	0.05	18.00
J-39	9.47	0.09	17.00
J-40	8.59	0.11	13.00
J-41	9.38	0.17	19.00
J-42	9.31	0.05	14.00
J-43	9.30	0.05	14.00
J-44	9.57	0.04	18.00
J-45	9.02	0.08	18.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-46	8.39	0.10	13.00
J-47	12.53	0.01	18.00
J-48	9.86	0.12	19.00
J-49	9.81	0.05	19.00
J-50	10.10	0.02	18.00
J-51	10.18	0.04	18.00
J-52	12.24	0.03	18.00
J-53	10.56	0.03	17.00
J-54	10.81	0.06	17.00
J-55	10.22	0.05	17.00
J-56	11.08	0.08	19.00
J-57	12.39	0.02	18.00
J-58	9.41	0.12	19.00
J-59	9.59	0.05	19.00
J-60	7.63	0.02	18.00
J-61	7.65	0.06	18.00
J-62	8.80	0.03	18.00
J-63	11.56	0.02	18.00
J-64	8.88	0.01	20.00
J-65	8.82	0.02	20.00
J-66	5.21	0.05	21.00
J-67	5.34	0.02	21.00
J-68	8.59	0.10	14.00
J-69	8.63	0.04	14.00
J-70	9.80	0.04	16.00
J-71	9.58	0.03	17.00
J-72	9.47	0.03	17.00
J-73	9.65	0.02	17.00
J-74	11.43	0.02	10.00
J-75	11.30	0.02	10.00
J-76	12.80	0.02	17.00
J-77	10.83	0.04	13.00
J-78	9.69	0.15	19.00
J-79	11.50	0.01	18.00
J-80	6.13	0.02	20.00
J-81	6.33	0.03	20.00
J-82	6.99	0.00	20.00
J-83	7.66	0.03	19.00
J-84	6.65	0.04	20.00
J-85	6.73	0.04	20.00
J-86	9.76	0.09	18.00
J-87	9.25	0.04	18.00
J-88	6.46	0.07	19.00
J-89	8.27	0.06	14.00
J-90	8.73	0.07	14.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-91	8.49	0.07	13.00
J-92	6.45	0.04	20.00
J-93	5.92	0.02	21.00
J-94	5.15	0.02	21.00
J-95	6.11	0.04	21.00
J-96	6.15	0.03	21.00
J-97	12.27	0.01	18.00
J-98	12.48	0.01	17.00
J-99	10.67	0.04	13.00
J-100	10.12	0.06	14.00
J-101	11.62	0.02	18.00
J-102	6.19	0.01	16.00
J-103	6.20	0.04	16.00
J-104	8.28	0.07	18.00
J-105	8.63	0.02	18.00
J-106	10.86	0.04	17.00
J-107	9.99	0.03	17.00
J-108	10.79	0.05	17.00
J-109	6.87	0.03	20.00
J-110	6.77	0.05	20.00
J-111	8.31	0.02	19.00
J-112	7.52	0.03	20.00
J-113	12.20	0.05	18.00
J-114	9.67	0.05	14.00
J-115	9.67	0.03	14.00
J-116	10.41	0.15	20.00
J-117	10.71	0.12	18.00
J-118	10.75	0.06	18.00
J-119	10.17	0.05	15.00
J-120	10.23	0.07	15.00
J-121	10.36	0.11	18.00
J-122	11.54	0.01	19.00
J-123	10.04	0.06	19.00
J-124	10.05	0.12	19.00
J-125	9.93	0.04	14.00
J-126	7.35	0.09	19.00
J-127	12.83	0.04	17.00
J-128	9.06	0.02	17.00
J-129	9.08	0.06	17.00
J-130	12.83	0.01	17.00
J-131	12.88	0.01	17.00
J-132	7.05	0.09	20.00
J-133	5.61	0.03	21.00
J-134	5.78	0.04	21.00
J-135	10.57	0.26	21.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-136	10.67	0.13	19.00
J-137	8.55	0.00	20.00
J-138	5.44	0.03	21.00
J-139	6.00	0.04	21.00
J-140	9.53	0.03	18.00
J-141	10.14	0.06	17.00
J-142	7.78	0.02	18.00
J-143	8.91	0.01	17.00
J-144	10.16	0.03	17.00
J-145	10.27	0.03	17.00
J-146	8.30	0.05	13.00
J-147	9.16	0.09	19.00
J-148	9.26	0.03	19.00
J-149	8.00	0.02	18.00
J-150	11.18	0.01	19.00
J-151	10.41	0.08	13.00
J-152	10.56	0.05	13.00
J-153	6.10	0.02	20.00
J-154	6.67	0.02	20.00
J-155	6.05	0.04	20.00
J-156	6.56	0.04	20.00
J-157	11.83	0.01	18.00
J-158	11.90	0.02	18.00
J-159	8.48	0.03	20.00
J-160	8.41	0.01	20.00
J-161	8.52	0.03	20.00
J-162	8.59	0.03	20.00
J-163	8.11	0.08	19.00
J-164	7.66	0.05	19.00
J-165	6.71	0.07	20.00
J-166	11.58	0.01	19.00
J-167	11.54	0.06	10.00
J-168	11.00	0.01	10.00
J-169	9.22	0.04	17.00
J-170	11.98	0.02	18.00
J-171	11.54	0.02	18.00
J-172	11.08	0.02	14.00
J-173	10.25	0.12	15.00
J-174	8.32	0.01	20.00
J-175	6.70	0.04	20.00
J-176	6.27	0.04	20.00
J-177	6.45	0.03	20.00
J-178	12.48	0.04	18.00
J-179	10.42	0.03	17.00
J-180	10.50	0.04	17.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-181	12.48	0.06	18.00
J-182	10.51	0.09	18.00
J-183	10.07	0.05	18.00
J-184	9.43	0.04	18.00
J-185	9.52	0.05	18.00
J-186	7.06	0.03	19.00
J-187	6.77	0.04	20.00
J-188	5.20	0.03	22.00
J-189	5.25	0.02	22.00
J-190	12.61	0.01	17.00
J-191	12.75	0.00	17.00
J-192	7.95	0.04	18.00
J-193	7.94	0.04	18.00
J-194	9.69	0.06	17.00
J-195	9.42	0.08	17.00
J-196	9.57	0.12	15.00
J-197	10.37	0.00	18.00
J-198	8.24	0.02	18.00
J-199	8.52	0.05	18.00
J-200	12.41	0.01	18.00
J-201	11.11	0.02	19.00
J-202	7.31	0.04	19.00
J-203	7.79	0.02	19.00
J-204	8.65	0.00	20.00
J-205	10.36	0.01	18.00
J-206	10.65	0.03	17.00
J-207	11.05	0.03	19.00
J-208	8.42	0.10	19.00
J-209	5.73	0.04	21.00
J-210	5.74	0.03	21.00
J-211	8.68	0.05	18.00
J-212	8.16	0.05	18.00
J-213	8.34	0.06	18.00
J-214	8.09	0.08	18.00
J-215	9.82	0.04	17.00
J-216	9.19	0.04	17.00
J-217	7.54	0.03	19.00
J-218	7.12	0.00	20.00
J-219	9.53	0.04	15.00
J-220	11.63	0.01	18.00
J-221	11.05	0.01	19.00
J-222	5.25	0.01	21.00
J-223	10.12	0.14	23.00
J-224	6.76	0.01	20.00
J-225	6.85	0.02	20.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-226	12.60	0.01	18.00
J-227	11.94	0.01	18.00
J-228	8.11	0.07	15.00
J-229	5.25	0.02	21.00
J-230	10.07	0.04	17.00
J-231	5.93	0.02	21.00
J-232	7.10	0.06	16.00
J-233	7.04	0.03	16.00
J-234	5.50	0.02	21.00
J-235	8.85	0.01	13.00
J-236	10.28	0.03	17.00
J-237	10.40	0.09	16.00
J-238	10.21	0.08	16.00
J-239	5.21	0.03	21.00
J-240	9.47	0.09	15.00
J-241	5.27	0.01	17.00
J-242	6.84	0.03	15.00
J-243	7.83	0.13	14.00
J-244	7.74	0.07	14.00
J-245	11.08	0.02	19.00
J-246	7.16	0.06	15.00
J-247	7.70	0.05	14.00
J-248	10.27	0.03	17.00
J-249	10.30	0.03	17.00
J-250	7.69	0.04	18.00
J-251	8.09	0.01	17.00
J-252	8.27	0.02	17.00
J-253	11.35	0.01	19.00
J-254	11.59	0.00	18.00
J-255	11.70	0.10	10.00
J-256	5.35	0.08	21.00
J-257	10.14	0.13	17.00
J-258	7.88	0.06	14.00
J-259	6.01	0.04	16.00
J-260	10.08	0.12	18.00
J-261	10.45	0.02	18.00
J-262	9.32	0.01	18.00
J-263	9.93	0.03	18.00
J-264	5.16	0.05	21.00
J-265	7.81	0.01	18.00
J-266	7.00	0.03	20.00
J-267	6.79	0.01	20.00
J-268	7.88	0.03	19.00
J-269	10.57	0.07	11.00
J-270	10.50	0.01	11.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-271	8.67	0.04	19.00
J-272	8.69	0.04	19.00
J-273	12.06	0.03	18.00
J-274	12.12	0.00	18.00
J-275	8.27	0.06	18.00
J-276	8.25	0.14	15.00
J-277	7.87	0.04	14.00
J-278	6.23	0.03	20.00
J-279	6.23	0.06	20.00
J-280	11.49	0.12	14.00
J-281	10.68	0.05	17.00
J-282	10.89	0.07	17.00
J-283	10.62	0.12	19.00
J-284	9.00	0.04	18.00
J-285	9.31	0.03	18.00
J-286	8.71	0.04	17.00
J-287	12.19	0.04	18.00
J-288	9.27	0.05	15.00
J-289	9.69	0.08	18.00
J-290	12.93	0.01	17.00
J-291	10.31	0.09	17.00
J-292	9.57	0.05	18.00
J-293	10.15	0.10	18.00
J-294	10.06	0.13	19.00
J-295	8.33	0.01	17.00
J-296	9.84	0.06	18.00
J-297	10.90	0.05	17.00
J-298	10.04	0.08	18.00
J-299	6.18	0.04	20.00
J-300	5.65	0.04	21.00
J-301	10.51	0.08	17.00
J-302	9.57	0.04	12.00
J-303	9.50	0.01	12.00
J-304	8.72	0.01	17.00
J-305	8.95	0.03	17.00
J-306	7.72	0.06	18.00
J-307	11.25	0.02	19.00
J-308	10.71	0.03	17.00
J-309	10.61	0.07	17.00
J-310	9.83	0.05	16.00
J-311	9.96	0.02	16.00
J-312	6.75	0.06	20.00
J-313	5.85	0.01	21.00
J-314	6.81	0.05	19.00
J-315	6.24	0.03	20.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-316	6.51	0.04	20.00
J-317	6.45	0.04	20.00
J-318	10.71	0.09	15.00
J-319	10.38	0.09	19.00
J-320	7.76	0.02	19.00
J-321	7.63	0.03	19.00
J-322	6.80	0.04	20.00
J-323	8.03	0.04	19.00
J-324	8.81	0.05	18.00
J-325	5.54	0.04	21.00
J-326	9.78	0.01	16.00
J-327	7.74	0.03	18.00
J-328	9.38	0.08	19.00
J-329	12.07	0.01	18.00
J-330	9.60	0.01	18.00
J-331	7.12	0.07	19.00
J-332	7.52	0.03	19.00
J-333	7.30	0.05	19.00
J-334	8.89	0.09	14.00
J-335	6.94	0.08	20.00
J-336	7.46	0.07	18.00
J-337	11.92	0.02	18.00
J-338	11.05	0.02	19.00
J-339	8.47	0.03	20.00
J-340	8.25	0.03	20.00
J-341	8.30	0.11	19.00
J-342	8.62	0.08	19.00
J-343	12.26	0.01	18.00
J-344	12.24	0.03	18.00
J-345	10.30	0.03	18.00
J-346	8.68	0.10	14.00
J-347	9.73	0.05	17.00
J-348	9.00	0.04	18.00
J-349	10.34	0.08	17.00
J-350	10.31	0.04	17.00
J-351	10.27	0.09	18.00
J-352	10.17	0.13	16.00
J-353	11.19	0.02	19.00
J-354	11.34	0.02	19.00
J-355	9.89	0.03	17.00
J-356	9.84	0.07	18.00
J-357	9.05	0.05	18.00
J-358	9.05	0.06	18.00
J-359	11.38	0.02	19.00
J-360	11.77	0.02	18.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-361	8.65	0.07	14.00
J-362	10.24	0.06	18.00
J-363	10.13	0.05	18.00
J-364	10.25	0.07	18.00
J-365	9.53	0.05	17.00
J-366	9.74	0.06	19.00
J-367	9.17	0.05	20.00
J-368	10.32	0.10	18.00
J-369	9.06	0.06	18.00
J-370	9.66	0.07	18.00
J-371	9.57	0.07	12.00
J-372	8.55	0.06	18.00
J-373	8.99	0.01	17.00
J-374	8.55	0.06	18.00
J-375	7.20	0.01	20.00
J-376	6.44	0.05	15.00
J-377	6.93	0.01	14.00
J-378	7.12	0.05	19.00
J-379	9.25	0.08	18.00
J-380	11.15	0.03	19.00
J-381	9.57	0.05	17.00
J-382	5.91	0.03	21.00
J-383	6.02	0.04	20.00
J-384	12.73	0.00	17.00
J-385	12.69	0.02	17.00
J-386	8.84	0.01	18.00
J-387	7.56	0.05	19.00
J-388	11.10	0.00	19.00
J-389	7.23	0.01	20.00
J-390	11.42	0.00	19.00
J-391	11.62	0.02	18.00
J-392	7.37	0.06	20.00
J-393	6.41	0.05	15.00
J-394	7.87	0.05	13.00
J-395	10.59	0.07	15.00
J-396	11.34	0.06	14.00
J-397	9.01	0.06	18.00
J-398	9.81	0.05	18.00
J-399	9.30	0.04	18.00
J-400	9.40	0.05	18.00
J-401	10.43	0.06	17.00
J-402	10.51	0.01	17.00
J-403	8.66	0.01	18.00
J-404	8.87	0.04	17.00
J-405	6.05	0.05	21.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-406	7.41	0.11	18.00
J-407	10.26	0.05	18.00
J-408	10.64	0.13	17.00
J-409	11.30	0.08	14.00
J-410	11.60	0.04	13.00
J-411	8.94	0.04	18.00
J-412	7.16	0.07	16.00
J-413	7.38	0.08	18.00
J-414	11.09	0.06	12.00
J-415	11.12	0.05	12.00
J-416	10.36	0.04	17.00
J-417	10.47	0.05	17.00
J-418	6.49	0.01	14.00
J-419	6.85	0.05	14.00
J-420	8.74	0.03	18.00
J-421	7.77	0.03	19.00
J-422	10.82	0.05	17.00
J-423	11.49	0.04	12.00
J-424	8.27	0.08	14.00
J-425	8.34	0.06	14.00
J-426	9.28	0.08	18.00
J-427	6.19	0.05	21.00
J-428	7.47	0.08	14.00
J-429	11.53	0.06	12.00
J-430	9.09	0.08	19.00
J-431	9.60	0.03	18.00
J-432	12.57	0.03	17.00
J-433	10.56	0.14	18.00
J-434	10.58	0.10	18.00
J-435	8.98	0.01	17.00
J-436	8.92	0.05	18.00
J-437	8.58	0.03	18.00
J-438	9.43	0.04	18.00
J-439	11.12	0.02	19.00
J-440	10.35	0.13	19.00
J-441	7.74	0.03	19.00
J-442	11.23	0.01	12.00
J-443	7.93	0.05	14.00
J-444	9.74	0.05	19.00
J-445	10.67	0.09	17.00
J-446	10.84	0.10	20.00
J-447	10.78	0.08	20.00
J-448	7.29	0.10	19.00
J-449	9.19	0.06	18.00
J-450	9.82	0.04	18.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-451	8.64	0.05	17.00
J-452	8.52	0.01	20.00
J-453	9.43	0.11	12.00
J-454	9.93	0.06	12.00
J-455	6.11	0.04	21.00
J-456	6.60	0.03	20.00
J-457	6.53	0.09	20.00
J-458	6.60	0.06	20.00
J-459	12.21	0.02	18.00
J-460	5.51	0.07	21.00
J-461	12.51	0.03	17.00
J-462	6.23	0.03	21.00
J-463	6.29	0.04	21.00
J-464	6.24	0.05	20.00
J-465	6.22	0.05	20.00
J-466	6.38	0.05	21.00
J-467	9.16	0.00	20.00
J-468	9.53	0.07	18.00
J-469	10.52	0.07	17.00
J-470	10.47	0.08	18.00
J-471	10.49	0.04	17.00
J-472	10.84	0.12	16.00
J-473	10.90	0.22	15.00
J-474	6.12	0.05	17.00
J-475	8.33	0.06	20.00
J-476	10.35	0.04	18.00
J-477	7.89	0.01	18.00
J-478	6.37	0.01	20.00
J-479	10.93	0.09	17.00
J-480	10.29	0.10	18.00
J-481	11.40	0.00	19.00
J-482	5.36	0.04	21.00
J-483	8.58	0.05	19.00
J-484	8.57	0.01	19.00
J-485	5.71	0.03	21.00
J-486	5.26	0.03	21.00
J-487	10.39	0.09	16.00
J-488	10.77	0.06	15.00
J-489	10.49	0.04	17.00
J-490	10.90	0.05	17.00
J-491	10.69	0.05	21.00
J-492	10.00	0.05	21.00
J-493	12.11	0.03	18.00
J-494	12.42	0.00	18.00
J-495	8.99	0.04	17.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-496	8.99	0.04	17.00
J-497	10.26	0.09	21.00
J-498	10.74	0.08	20.00
J-499	10.77	0.01	17.00
J-500	10.44	0.05	17.00
J-501	7.37	0.08	20.00
J-502	6.48	0.05	20.00
J-503	10.23	0.07	18.00
J-504	5.22	0.03	22.00
J-505	7.92	0.10	13.00
J-506	7.25	0.04	14.00
J-507	11.69	0.02	18.00
J-508	11.75	0.02	18.00
J-509	5.20	0.03	22.00
J-510	5.22	0.04	22.00
J-511	10.63	0.10	20.00
J-512	5.21	0.04	21.00
J-513	5.25	0.03	21.00
J-514	10.85	0.07	17.00
J-515	8.60	0.11	13.00
J-516	9.58	0.01	16.00
J-517	5.13	0.05	22.00
J-518	5.10	0.04	22.00
J-519	10.19	0.09	20.00
J-520	10.82	0.08	20.00
J-521	11.70	0.04	9.00
J-522	10.67	0.01	10.00
J-523	11.88	0.13	14.00
J-524	10.28	0.04	18.00
J-525	10.97	0.04	17.00
J-526	8.74	0.03	19.00
J-527	8.51	0.09	19.00
J-528	8.54	0.08	14.00
J-529	8.50	0.01	18.00
J-530	5.20	0.04	21.00
J-531	5.25	0.05	21.00
J-532	11.96	0.12	15.00
J-533	11.00	0.22	16.00
J-534	8.16	0.05	19.00
J-535	10.28	0.07	18.00
J-536	10.51	0.03	17.00
J-537	10.58	0.13	19.00
J-538	10.30	0.07	21.00
J-539	9.78	0.08	17.00
J-540	10.29	0.06	16.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-541	10.17	0.13	17.00
J-542	10.37	0.05	17.00
J-543	11.54	0.05	10.00
J-544	6.96	0.06	15.00
J-545	10.26	0.04	21.00
J-546	10.05	0.09	21.00
J-547	10.63	0.05	19.00
J-548	10.51	0.05	20.00
J-549	10.76	0.01	10.00
J-550	10.18	0.15	20.00
J-551	10.19	0.05	20.00
J-552	11.64	0.03	11.00
J-553	11.06	0.01	12.00
J-554	10.80	0.06	16.00
J-555	11.61	0.05	13.00
J-556	10.48	0.05	21.00
J-557	10.33	0.09	21.00
J-558	11.05	0.15	16.00
J-559	6.67	0.06	20.00
J-560	6.96	0.07	16.00
J-561	11.60	0.06	16.00
J-562	11.36	0.14	16.00
J-563	5.81	0.08	21.00
J-564	5.21	0.04	21.00
J-565	5.14	0.04	22.00
J-566	10.33	0.05	21.00
J-567	10.31	0.10	21.00
J-568	11.84	0.13	14.00
J-569	11.70	0.12	14.00
J-570	12.46	0.02	18.00
J-571	12.66	0.04	18.00
J-572	5.23	0.01	17.00
J-573	11.53	0.13	14.00
J-574	10.46	0.09	21.00
J-575	9.73	0.06	20.00
J-576	9.59	0.08	16.00
J-577	9.05	0.10	17.00
J-578	8.76	0.05	19.00
J-579	6.09	0.04	21.00
J-580	9.65	0.09	16.00
J-581	10.81	0.01	15.00
J-582	12.36	0.05	18.00
J-583	6.24	0.05	16.00
J-584	10.86	0.09	16.00
J-585	10.65	0.08	15.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-586	9.14	0.01	15.00
J-587	5.24	0.04	21.00
J-588	10.87	0.07	17.00
J-589	10.04	0.09	20.00
J-590	10.50	0.08	20.00
J-591	12.79	0.23	9.00
J-592	9.78	0.04	18.00
J-593	8.56	0.06	20.00
J-594	9.46	0.06	19.00
J-595	9.13	0.10	16.00
J-596	10.47	0.12	17.00
J-597	7.48	0.06	19.00
J-598	10.59	0.14	16.00
J-599	10.21	0.07	17.00
J-600	10.61	0.07	17.00
J-601	8.74	0.01	13.00
J-602	10.47	0.09	17.00
J-603	10.15	0.05	21.00
J-604	6.66	0.06	20.00
J-605	6.67	0.06	20.00
J-606	10.28	0.15	19.00
J-607	9.32	0.08	18.00
J-608	10.71	0.01	13.00
J-609	10.24	0.09	13.00
J-610	10.53	0.12	18.00
J-611	5.13	0.01	21.00
J-612	7.39	0.01	19.00
J-613	7.09	0.06	16.00
J-614	10.87	0.08	19.00
J-615	10.15	0.10	21.00
J-616	10.72	0.10	21.00
J-617	10.08	0.10	21.00
J-618	6.15	0.07	16.00
J-619	6.16	0.05	17.00
J-620	11.66	0.07	11.00
J-621	5.90	0.05	21.00
J-622	5.82	0.06	21.00
J-623	9.57	0.06	20.00
J-624	9.37	0.01	17.00
J-625	11.63	0.13	14.00
J-626	11.84	0.02	18.00
J-627	11.62	0.02	18.00
J-628	10.37	0.09	20.00
J-629	10.80	0.08	19.00
J-630	6.90	0.05	14.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-631	6.42	0.01	15.00
J-632	10.68	0.01	17.00
J-633	10.10	0.16	21.00
J-634	11.44	0.14	14.00
J-635	10.61	0.10	21.00
J-636	8.60	0.02	20.00
J-637	8.38	0.04	20.00
J-638	11.66	0.09	11.00
J-639	5.07	0.09	22.00
J-640	7.02	0.10	20.00
J-641	7.29	0.07	19.00
J-642	11.12	0.00	19.00
J-643	7.61	0.04	19.00
J-644	10.86	0.16	20.00
J-645	10.40	0.15	16.00
J-646	8.66	0.04	17.00
J-647	8.12	0.01	17.00
J-648	7.40	0.01	19.00
J-649	8.16	0.05	17.00
J-650	8.33	0.01	16.00
J-651	12.32	0.01	18.00
J-652	12.18	0.03	18.00
J-653	6.17	0.05	16.00
J-654	12.03	0.02	18.00
J-655	6.04	0.03	17.00
J-656	6.23	0.05	16.00
J-657	11.88	0.00	18.00
J-658	12.43	0.05	18.00
J-659	8.33	0.04	17.00
J-660	8.50	0.01	17.00
J-661	12.72	0.03	17.00
J-662	12.78	0.03	17.00
J-663	9.77	0.13	15.00
J-664	10.13	0.10	21.00
J-665	10.35	0.09	20.00
J-666	8.36	0.01	18.00
J-667	10.05	0.07	17.00
J-668	9.23	0.12	18.00
J-669	7.62	0.09	19.00
J-670	8.92	0.02	17.00
J-671	11.18	0.02	19.00
J-672	11.18	0.02	19.00
J-673	8.10	0.06	19.00
J-674	8.50	0.05	19.00
J-675	10.63	0.09	20.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-676	10.20	0.09	20.00
J-677	8.02	0.01	18.00
J-678	8.61	0.04	18.00
J-679	11.18	0.00	19.00
J-680	10.67	0.12	20.00
J-681	8.37	0.04	20.00
J-682	8.57	0.04	20.00
J-683	11.20	0.00	19.00
J-684	7.22	0.05	14.00
J-685	7.30	0.09	14.00
J-686	7.30	0.05	14.00
J-687	6.67	0.02	15.00
J-688	12.05	0.06	10.00
J-689	12.34	0.02	10.00
J-690	12.69	0.07	17.00
J-691	8.59	0.02	20.00
J-692	8.18	0.08	14.00
J-693	7.94	0.04	18.00
J-694	12.65	0.01	18.00
J-695	12.29	0.03	18.00
J-696	8.17	0.07	18.00
J-697	8.78	0.10	17.00
J-698	5.21	0.06	22.00
J-699	12.90	0.00	17.00
J-700	10.43	0.08	18.00
J-701	9.06	0.06	18.00
J-702	8.11	0.01	21.00
J-703	5.43	0.04	21.00
J-704	10.28	0.12	21.00
J-705	10.84	0.02	17.00
J-706	11.56	0.02	18.00
J-707	11.93	0.00	18.00
J-708	12.40	0.02	18.00
J-709	8.39	0.06	21.00
J-710	8.21	0.01	20.00
J-711	8.98	0.07	18.00
J-712	8.63	0.01	19.00
J-713	8.63	0.05	20.00
J-714	10.69	0.14	16.00
J-715	10.12	0.02	21.00
J-716	8.82	0.08	18.00
J-717	6.02	0.01	21.00
J-718	8.31	0.05	16.00
J-719	8.04	0.05	16.00
J-720	5.72	0.09	21.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-721	11.97	0.02	9.00
J-722	7.77	0.09	18.00
J-723	11.73	0.06	18.00
J-724	9.30	0.01	18.00
J-725	5.12	0.06	22.00
J-726	5.23	0.06	21.00
J-727	11.55	0.08	12.00
J-728	10.74	0.02	12.00
J-729	5.36	0.06	21.00
J-730	5.20	0.06	21.00
J-731	8.52	0.09	18.00
J-732	11.26	0.03	19.00
J-733	11.68	0.02	18.00
J-734	6.00	0.08	21.00
J-735	12.18	0.03	18.00
J-736	7.86	0.02	19.00
J-737	9.06	0.14	19.00
J-738	10.25	0.14	15.00
J-739	10.11	0.02	18.00
J-740	8.58	0.06	18.00
J-741	12.11	0.03	18.00
J-742	12.53	0.04	18.00
J-743	12.81	0.02	17.00
J-744	10.78	0.02	17.00
J-745	8.24	0.00	19.00
J-746	7.06	0.01	16.00
J-747	8.59	0.01	20.00
J-748	9.75	0.02	17.00
J-749	9.33	0.10	19.00
J-750	9.97	0.05	17.00
J-751	5.11	0.06	22.00
J-752	5.12	0.06	22.00
J-753	9.68	0.08	18.00
J-754	6.77	0.02	15.00
J-755	10.40	0.02	14.00
J-756	12.63	0.02	17.00
J-757	12.83	0.02	17.00
J-758	12.08	0.02	18.00
J-759	12.67	0.02	17.00
J-760	8.25	0.07	13.00
J-761	8.30	0.07	18.00
J-762	9.54	0.11	12.00
J-763	9.35	0.06	13.00
J-764	10.51	0.02	16.00
J-765	11.53	0.10	19.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-766	7.12	0.01	17.00
J-767	6.35	0.06	20.00
J-768	12.44	0.03	18.00
J-769	8.95	0.01	20.00
J-770	11.11	0.15	14.00
J-771	7.90	0.02	18.00
J-772	5.29	0.06	21.00
J-773	5.19	0.02	17.00
J-774	7.08	0.02	15.00
J-775	9.27	0.08	17.00
J-776	10.89	0.13	20.00
J-777	8.43	0.11	13.00
J-778	8.36	0.01	16.00
J-779	10.73	0.03	15.00
J-780	9.61	0.04	19.00
J-781	9.21	0.05	19.00
J-782	10.25	0.13	21.00
J-783	12.00	0.01	18.00
J-784	12.04	0.02	18.00
J-785	6.47	0.02	15.00
J-786	9.25	0.08	18.00
J-787	6.26	0.11	15.00
J-788	9.44	0.02	17.00
J-789	10.52	0.02	19.00
J-790	6.21	0.06	16.00
J-791	10.86	0.02	17.00
J-792	8.35	0.05	18.00
J-793	8.88	0.01	17.00
J-794	11.80	0.01	18.00
J-795	7.20	0.06	19.00
J-796	8.82	0.02	18.00
J-797	11.97	0.10	11.00
J-798	10.65	0.13	13.00
J-799	8.90	0.03	18.00
J-800	7.41	0.08	16.00
J-801	8.23	0.01	19.00
J-802	12.34	0.02	18.00
J-803	5.19	0.06	22.00
J-804	6.78	0.02	19.00
J-805	6.44	0.02	20.00
J-806	11.19	0.10	12.00
J-807	5.29	0.08	21.00
J-808	10.66	0.02	21.00
J-809	10.51	0.02	21.00
J-810	7.80	0.02	13.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-811	12.67	0.08	17.00
J-812	12.98	0.01	17.00
J-813	5.43	0.07	21.00
J-814	8.09	0.02	18.00
J-815	8.10	0.06	18.00
J-816	10.39	0.08	13.00
J-817	8.08	0.06	18.00
J-818	10.85	0.02	20.00
J-819	11.43	0.02	14.00
J-820	8.39	0.02	18.00
J-821	10.04	0.02	21.00
J-822	8.98	0.13	17.00
J-823	6.57	0.12	20.00
J-824	11.32	0.01	19.00
J-825	10.66	0.02	20.00
J-826	11.36	0.01	19.00
J-827	11.13	0.01	19.00
J-828	12.38	0.02	18.00
J-829	10.33	0.02	21.00
J-830	5.24	0.02	21.00
J-831	7.81	0.02	18.00
J-832	7.24	0.07	19.00
J-833	11.99	0.03	11.00
J-834	12.72	0.04	17.00
J-835	12.76	0.01	17.00
J-836	12.14	0.02	18.00
J-837	10.71	0.02	10.00
J-838	8.28	0.02	16.00
J-839	9.52	0.04	12.00
J-840	10.71	0.02	13.00
J-841	8.38	0.10	13.00
J-842	5.19	0.03	21.00
J-843	11.08	0.01	19.00
J-844	10.51	0.02	19.00
J-845	12.86	0.01	17.00
J-846	10.71	0.09	13.00
J-847	11.36	0.01	19.00
J-848	11.95	0.01	18.00
J-849	12.20	0.03	18.00
J-850	10.64	0.16	20.00
J-851	10.65	0.12	20.00
J-852	12.50	0.03	18.00
J-853	11.67	0.03	18.00
J-854	10.12	0.02	14.00
J-855	9.05	0.02	15.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-856	7.45	0.02	14.00
J-857	10.73	0.02	13.00
J-858	9.72	0.10	20.00
J-859	8.27	0.14	20.00
J-860	7.58	0.02	14.00
J-861	11.21	0.01	19.00
J-862	12.95	0.01	17.00
J-863	11.54	0.01	18.00
J-864	11.76	0.01	18.00
J-865	11.50	0.03	12.00
J-866	8.89	0.02	13.00
J-867	11.65	0.07	10.00
J-868	11.40	0.00	19.00
J-869	11.14	0.01	19.00
J-870	12.13	0.01	18.00
J-871	11.16	0.02	14.00
J-872	10.03	0.09	11.00
J-873	10.69	0.16	21.00
J-874	12.09	0.01	18.00
J-875	12.54	0.03	17.00
J-876	8.92	0.02	16.00
J-877	9.48	0.03	12.00
J-878	11.25	0.01	19.00
J-879	11.98	0.01	18.00
J-880	8.57	0.02	19.00
J-881	10.67	0.09	20.00
J-882	11.99	0.03	11.00
J-883	5.21	0.03	21.00
J-884	8.60	0.02	17.00
J-885	10.05	0.07	20.00
J-886	10.58	0.12	16.00
J-887	10.53	0.14	15.00
J-888	11.33	0.03	12.00
J-889	11.84	0.01	18.00
J-890	11.06	0.03	10.00
J-891	9.42	0.11	14.00
J-892	10.22	0.19	20.00
J-893	11.93	0.02	13.00
J-894	10.16	0.03	18.00
J-895	11.00	0.03	12.00
J-896	10.93	0.11	20.00
J-897	10.18	0.12	21.00
J-898	8.03	0.03	19.00
J-899	10.52	0.03	12.00
J-900	11.72	0.01	18.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-901	9.82	0.11	14.00
J-902	10.29	0.14	21.00
J-903	10.25	0.08	20.00
J-904	11.08	0.03	14.00
J-905	12.32	0.01	18.00
J-906	7.09	0.04	14.00
J-907	8.93	0.03	13.00
J-908	12.21	0.01	18.00
J-909	10.91	0.03	17.00
J-910	11.87	0.16	14.00
J-911	10.29	0.08	20.00
J-912	12.90	0.01	17.00
J-913	10.56	0.27	19.00
J-914	12.43	0.04	18.00
J-915	5.13	0.04	16.00
J-916	8.84	0.02	16.00
J-917	11.21	0.03	12.00
J-918	11.64	0.15	16.00
J-919	6.10	0.03	16.00
J-920	11.59	0.01	18.00
J-921	10.68	0.03	15.00
J-922	5.02	0.06	22.00
J-923	12.23	0.01	18.00
J-924	12.32	0.03	18.00
J-925	8.35	0.05	18.00
J-926	8.99	0.02	17.00
J-927	12.99	0.09	17.00
J-928	8.99	0.04	18.00
J-929	7.69	0.03	14.00
J-930	6.03	0.03	20.00
J-931	8.17	0.03	18.00
J-932	9.68	0.03	14.00
J-933	12.47	0.05	18.00
J-934	7.45	0.04	20.00
J-935	10.55	0.04	12.00
J-936	7.95	0.03	14.00
J-937	7.05	0.03	20.00
J-938	10.61	0.04	17.00
J-939	11.54	0.04	10.00
J-940	8.19	0.00	19.00
J-941	9.00	0.04	13.00
J-942	11.60	0.01	18.00
J-943	6.74	0.03	20.00
J-944	10.95	0.04	16.00
J-945	11.41	0.01	19.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-946	8.94	0.02	17.00
J-947	6.87	0.03	20.00
J-948	8.02	0.04	19.00
J-949	8.51	0.16	19.00
J-950	12.39	0.05	18.00
J-951	11.92	0.10	18.00
J-952	9.03	0.10	18.00
J-953	10.67	0.04	15.00
J-954	11.13	0.01	19.00
J-955	8.88	0.04	19.00
J-956	12.20	0.01	18.00
J-957	10.78	0.04	17.00
J-958	9.44	0.03	18.00
J-959	7.07	0.04	15.00
J-960	9.95	0.05	16.00
J-961	8.24	0.00	20.00
J-962	9.09	0.04	18.00
J-963	8.93	0.03	16.00
J-964	12.27	0.04	18.00
J-965	10.13	0.14	21.00
J-966	5.18	0.12	21.00
J-967	8.46	0.04	13.00
J-968	11.24	0.01	19.00
J-969	8.72	0.05	13.00
J-970	11.64	0.09	11.00
J-971	8.63	0.05	13.00
J-972	10.37	0.07	15.00
J-973	9.39	0.05	17.00
J-974	7.87	0.05	14.00
J-975	8.95	0.10	18.00
J-976	8.24	0.05	14.00
J-977	10.40	0.05	12.00
J-978	5.10	0.05	21.00
J-979	5.34	0.06	22.00
J-980	8.08	0.05	15.00
J-981	11.50	0.08	11.00
J-982	5.13	0.07	22.00
J-983	12.30	0.02	18.00
J-984	8.30	0.05	17.00
J-985	12.71	0.02	18.00
J-986	12.00	0.02	18.00
J-987	10.24	0.07	17.00
J-988	12.17	0.02	18.00
J-989	5.64	0.05	21.00
J-990	7.70	0.07	14.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-991	7.88	0.07	15.00
J-992	7.16	0.09	15.00
J-993	12.08	0.03	18.00
J-994	12.94	0.07	17.00
J-995	11.94	0.14	16.00
J-996	11.09	0.13	17.00
J-997	10.62	0.12	18.00
J-998	10.28	0.12	18.00
J-999	12.92	0.01	17.00
J-1000	11.63	0.01	10.00
J-1001	11.19	0.08	12.00
J-1002	10.67	0.07	19.00
J-1003	10.77	0.03	19.00
J-1004	11.18	0.17	16.00
J-1005	11.37	0.12	16.00
J-1006	11.47	0.09	15.00
J-1007	12.21	0.11	13.00
J-1008	12.74	0.21	10.00
J-1009	12.21	0.00	18.00
J-1010	12.23	0.02	10.00
J-1011	11.22	0.02	19.00
J-1012	10.26	0.11	19.00
J-1013	11.97	0.00	14.00
J-1014	11.20	0.02	19.00
J-1015	12.30	0.00	18.00
J-1016	12.51	0.00	18.00
J-1017	12.18	0.00	18.00
J-1018	10.24	0.00	20.00
J-1019	9.35	0.00	21.00
J-1020	12.20	0.00	18.00
J-1021	10.53	0.00	20.00
J-1022	5.50	0.01	22.00
J-1023	5.14	0.07	22.00
J-1024	6.16	0.04	21.00
J-1025	11.61	0.06	11.00
J-1026	11.65	0.07	11.00
J-1027	11.87	0.02	11.00
J-1028	11.13	0.02	19.00
J-1029	11.13	0.01	19.00
J-1030	11.90	0.07	13.00
J-1031	11.99	0.02	13.00
J-1032	11.96	0.06	13.00
J-1033	11.81	0.03	13.00
J-1034	11.86	0.06	13.00
J-1035	11.90	0.02	13.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-1036	5.50	0.05	21.00
J-1037	6.11	0.08	20.00
J-1038	12.49	0.14	13.00
J-1039	6.20	0.01	16.00
J-1040	7.12	0.01	16.00
J-1041	7.12	0.02	16.00
J-1042	7.97	0.01	15.00
J-1043	6.18	0.01	16.00
J-1044	7.08	0.06	16.00
J-1045	6.90	0.09	16.00
J-1046	6.11	0.07	17.00
J-1047	5.50	0.01	17.00
J-1048	9.73	0.03	20.00
J-1049	9.44	0.03	20.00
J-1050	9.71	0.04	20.00
J-1051	9.76	0.03	19.00
J-1052	10.83	0.10	18.00
J-1053	10.15	0.11	18.00
J-1054	10.46	0.00	18.00
J-1055	10.41	0.01	18.00
J-1056	10.60	0.01	17.00
J-1057	10.56	0.01	17.00
J-1058	10.55	0.02	17.00
J-1059	10.60	0.02	17.00
J-1060	10.63	0.01	17.00
J-1061	10.69	0.02	17.00
J-1062	10.61	0.01	17.00
J-1063	10.51	0.02	17.00
J-1064	10.02	0.01	18.00
J-1065	9.94	0.02	17.00
J-1066	9.57	0.02	18.00
J-1067	9.60	0.01	18.00
J-1068	9.39	0.01	18.00
J-1069	9.46	0.02	18.00
J-1070	9.27	0.01	17.00
J-1071	7.76	0.11	19.00
J-1072	8.38	0.02	18.00
J-1073	10.31	0.15	16.00
J-1074	10.11	0.04	20.00
J-1075	10.32	0.06	20.00
J-1076	10.86	0.07	19.00
J-1077	10.14	0.01	20.00
J-1078	10.27	0.12	20.00
J-1079	12.46	0.35	10.00
J-1080	10.54	0.13	19.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-1081	11.31	0.23	12.00
J-1082	11.45	0.27	14.00
J-1083	11.06	0.14	20.00
J-1084	10.74	0.02	20.00
J-1085	10.33	0.02	19.00
J-1086	10.21	0.27	17.00
J-1087	9.08	0.06	18.00
J-1088	9.14	0.04	18.00
J-1089	9.44	0.07	18.00
J-1090	7.63	0.08	15.00
J-1091	7.40	0.01	18.00
J-1092	9.43	0.02	18.00
J-1093	8.10	0.02	20.00
J-1094	9.08	0.05	21.00
J-1095	8.38	0.11	16.00
J-1096	7.08	0.07	17.00
J-1097	7.04	0.07	18.00
J-1098	7.39	0.07	18.00
J-1099	7.57	0.06	18.00
J-1100	8.30	0.06	18.00
J-1101	8.83	0.03	18.00
J-1102	8.82	0.08	18.00
J-1103	8.12	0.08	19.00
J-1104	8.26	0.09	19.00
J-1105	8.32	0.12	19.00
J-1106	8.18	0.15	20.00
J-1107	9.15	0.17	20.00
J-1108	11.63	0.07	11.00
J-1109	11.91	0.03	10.00
J-1110	10.68	0.10	20.00
J-1111	10.19	0.11	21.00
J-1112	10.40	0.08	21.00
J-1113	11.64	0.01	18.00
J-1114	11.39	0.01	19.00
J-1115	8.27	0.06	19.00
J-1116	8.39	0.00	19.00
J-1117	11.95	0.00	18.00
J-1118	10.55	0.00	17.00
J-1119	11.74	0.00	16.00
J-1120	11.43	0.09	14.00
J-1121	9.35	0.00	18.00
J-1122	8.52	0.00	19.00
J-1123	12.26	0.00	18.00
J-1124	12.47	0.00	18.00
J-1125	12.24	0.01	18.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-1126	12.68	0.00	18.00
J-1127	12.71	0.00	17.00
J-1128	12.74	0.00	17.00
J-1129	12.86	0.00	17.00
J-1130	12.48	0.01	18.00
J-1131	12.94	0.02	17.00
J-1132	12.81	0.03	17.00
J-1133	11.41	0.00	19.00
J-1134	11.76	0.00	18.00
J-1135	11.23	0.00	19.00
J-1136	12.73	0.02	17.00
J-1137	11.69	0.00	18.00
J-1138	11.13	0.00	19.00
J-1139	11.41	0.01	19.00
J-1140	11.69	0.02	18.00
J-1141	12.02	0.01	18.00
J-1142	11.09	0.00	19.00
J-1143	11.40	0.01	19.00
J-1144	12.36	0.00	18.00
J-1145	12.08	0.00	18.00
J-1146	11.70	0.00	16.00
J-1147	10.48	0.00	16.00
J-1148	10.59	0.00	15.00
J-1149	10.51	0.00	16.00
J-1150	11.74	0.00	16.00
J-1151	11.30	0.00	16.00
J-1152	11.87	0.00	16.00
J-1153	10.72	0.09	19.00
J-1154	9.15	0.00	21.00
J-1155	8.67	0.05	18.00
J-1156	9.59	0.00	15.00
J-1157	8.73	0.00	19.00
J-1158	7.42	0.00	20.00
J-1159	7.54	0.04	20.00
J-1160	7.47	0.00	20.00
J-1161	6.07	0.04	21.00
J-1162	8.16	0.00	19.00
J-1163	9.84	0.00	17.00
J-1164	5.06	0.00	22.00
J-1165	9.68	0.00	20.00
J-1166	9.72	0.00	20.00
J-1167	9.66	0.00	19.00
J-1168	8.27	0.00	21.00
J-1169	8.14	0.01	21.00
J-1170	9.85	0.00	19.00

JUNCTION TABLE-KK NAGAR WDS 04 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-1171	10.61	0.00	19.00
J-1172	10.15	0.00	19.00
J-1173	10.54	0.00	18.00
J-1174	10.31	0.01	18.00
J-1175	10.56	0.00	19.00
J-1176	10.34	0.00	19.00
J-1177	10.56	0.00	18.00
J-1178	10.68	0.00	19.00
J-1179	7.13	0.00	20.00
J-1180	9.29	0.00	18.00
J-1181	9.45	0.00	17.00
J-1182	9.50	0.00	17.00
J-1183	9.27	0.00	17.00
J-1184	9.36	0.00	17.00
J-1185	9.55	0.02	17.00
J-1186	10.58	0.00	14.00
J-1187	9.37	0.00	15.00
J-1188	9.47	0.00	13.00
J-1189	8.49	0.00	14.00
J-1190	8.61	0.00	14.00
J-1191	9.56	0.00	12.00
J-1192	10.45	0.00	13.00
J-1193	11.82	0.00	12.00
J-1194	8.60	0.00	14.00
J-1195	8.94	0.00	14.00
J-1196	9.41	0.00	14.00
J-1197	8.50	0.00	13.00
J-1198	11.75	0.00	14.00
J-1199	8.26	0.05	18.00
TNHB QUARTERS	8.47	1.08	19.00
J-1200	8.11	0.00	18.00
ESIC COLLEGE & HOSPITAL	8.53	0.64	17.00
J-1201	9.90	0.00	12.00
J-1202	9.13	0.00	18.00
J-1203	5.73	0.00	21.00
J-1204	10.14	0.00	23.00
J-1205	10.52	0.00	21.00
J-1206	10.26	0.00	21.00
J-1207	10.15	0.00	21.00
J-1208	10.70	0.00	21.00
J-1209	10.72	0.00	21.00
J-1210	10.39	0.00	20.00
J-1211	9.49	0.00	22.00
J-1212	9.10	0.00	21.00

RESERVOIR TABLE- KK NAGAR WDS-04 RESERVOIR	
Label	**Elevation (m)**
KK NAGAR NEW WDS	3.94

TANK TABLE-KK NAGAR WDS-04 PROPOSED OHT				
Label	**Elevation (Base) (m)**	**Elevation (Minimum) (m)**	**Elevation (Initial) (m)**	**Elevation (Maximum) (m)**
6ML	29.5	29.8	33.5	34.5

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1	J-1	J-429	384	CI/R/DI	100	140	-0.24	0.35	1.50
P-2	J-20	J-21	6	CI/R/DI	100	140	0.21	0.31	1.30
P-3	J-23	J-24	6	CI/R/DI	100	140	-0.28	0.42	2.20
P-4	J-26	J-27	7	CI/R/DI	100	140	0.35	0.52	3.30
P-5	J-30	J-31	12	CI/R/DI	100	140	-0.40	0.59	4.20
P-6	J-34	J-35	9	CI/R/DI	100	140	0.08	0.12	0.20
P-7	J-36	J-37	9	CI/R/DI	100	140	0.47	0.69	5.60
P-8	J-38	J-39	10	CI/R/DI	100	140	-0.11	0.17	0.40
P-9	J-43	J-44	11	CI/R/DI	100	140	-0.42	0.62	4.50
P-10	J-45	J-46	11	CI/R/DI	100	140	-0.01	0.01	0.00
P-11	J-47	J-48	12	CI/R/DI	100	140	-0.39	0.57	3.90
P-12	J-49	J-50	12	DI/E	100	130	0.16	0.24	0.90
P-13	J-51	J-52	12	CI/R/DI	100	140	-0.20	0.29	1.10
P-14	J-53	J-54	15	CI/R/DI	100	140	0.27	0.40	2.00
P-15	J-56	J-57	12	CI/R/DI	100	140	0.18	0.27	0.90
P-16	J-58	J-59	12	CI/R/DI	100	140	-0.05	0.07	0.10
P-17	J-60	J-61	16	DI/E	100	130	0.05	0.08	0.10
P-18	J-62	J-63	13	CI/R/DI	100	140	-0.10	0.14	0.30
P-19	J-64	J-65	13	CI/R/DI	100	140	0.02	0.04	0.00
P-20	J-66	J-67	14	CI/R/DI	100	140	-0.13	0.19	0.50
P-21	J-69	J-70	15	CI/R/DI	100	140	-0.01	0.01	0.00
P-22	J-71	J-72	15	CI/R/DI	100	140	0.09	0.13	0.30
P-23	J-74	J-75	15	CI/R/DI	100	140	-0.03	0.05	0.00
P-24	J-76	J-77	16	CI/R/DI	100	140	-0.41	0.60	4.20
P-25	J-81	J-82	18	DI/E	100	130	0.13	0.19	0.60
P-26	J-83	J-38	17	CI/R/DI	100	140	0.17	0.25	0.80
P-27	J-84	J-85	19	CI/R/DI	100	140	0.01	0.01	0.00
P-28	J-86	J-87	19	CI/R/DI	100	140	0.23	0.35	1.50
P-29	J-88	J-16	16	CI/R/DI	100	140	0.08	0.11	0.20
P-30	J-91	J-92	18	CI/R/DI	100	140	-0.09	0.13	0.30
P-31	J-94	J-95	21	CI/R/DI	100	140	-0.12	0.18	0.40
P-32	J-99	J-100	19	CI/R/DI	100	140	-0.02	0.03	0.00
P-33	J-101	J-102	20	CI/R/DI	100	140	0.24	0.36	1.60
P-34	J-103	J-46	25	CI/R/DI	100	140	0.42	0.61	4.40
P-35	J-104	J-105	24	CI/R/DI	100	140	0.32	0.47	2.70
P-36	J-109	J-110	20	CI/R/DI	100	140	0.01	0.02	0.00
P-37	J-112	J-113	21	CI/R/DI	100	140	-0.48	0.71	5.80
P-38	J-114	J-115	21	CI/R/DI	100	140	0.19	0.28	1.00
P-39	J-116	J-117	19	CI/R/DI	100	140	-0.37	0.54	3.50
P-40	J-120	J-121	23	CI/R/DI	100	140	-0.17	0.25	0.80
P-41	J-122	J-123	23	CI/R/DI	100	140	0.44	0.65	4.90
P-42	J-124	J-125	23	CI/R/DI	100	140	-0.22	0.32	1.30
P-43	J-126	J-127	24	CI/R/DI	100	140	0.50	0.74	6.10
P-44	J-70	J-129	24	CI/R/DI	100	140	0.01	0.02	0.00
P-45	J-130	J-131	24	CI/R/DI	100	140	-0.20	0.30	1.20
P-46	J-132	J-133	24	CI/R/DI	100	140	0.19	0.27	1.00
P-47	J-134	J-135	24	CI/R/DI	100	140	-0.08	0.11	0.20
P-48	J-137	J-76	24	CI/R/DI	100	140	-0.01	0.02	0.00
P-49	J-54	J-139	24	CI/R/DI	100	140	-0.22	0.33	1.40

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-50	J-140	J-141	24	CI/R/DI	100	140	-0.24	0.36	1.60
P-51	J-142	J-89	28	CI/R/DI	100	140	-0.02	0.03	0.00
P-52	J-145	J-42	92	CI/R/DI	100	140	0.03	0.05	0.00
P-53	J-146	J-147	26	CI/R/DI	100	140	0.19	0.28	1.00
P-54	J-75	J-19	26	CI/R/DI	100	140	-0.28	0.41	2.00
P-55	J-150	J-151	27	CI/R/DI	100	140	0.28	0.42	2.10
P-56	J-153	J-154	27	CI/R/DI	100	140	0.11	0.16	0.40
P-57	J-57	J-140	27	CI/R/DI	100	140	-0.11	0.16	0.40
P-58	J-155	J-156	28	CI/R/DI	100	140	-0.21	0.31	1.20
P-59	J-157	J-81	28	DI/E	100	130	0.20	0.30	1.30
P-60	J-158	J-159	32	CI/R/DI	100	140	-0.08	0.11	0.20
P-61	J-22	J-32	52	CI/R/DI	100	140	-0.11	0.16	0.30
P-62	J-124	J-160	29	CI/R/DI	100	140	0.02	0.03	0.00
P-63	J-161	J-36	24	CI/R/DI	100	140	0.43	0.63	4.70
P-64	J-162	J-124	30	CI/R/DI	100	140	-0.15	0.22	0.60
P-65	J-163	J-143	30	CI/R/DI	100	140	0.39	0.57	3.80
P-66	J-164	J-104	30	CI/R/DI	100	140	0.24	0.35	1.60
P-67	J-165	J-166	21	CI/R/DI	100	140	-0.29	0.42	2.20
P-68	J-167	J-32	71	CI/R/DI	100	140	-0.24	0.36	1.60
P-69	J-168	J-169	29	CI/R/DI	100	140	-0.32	0.48	2.70
P-70	J-170	J-171	30	CI/R/DI	100	140	-0.02	0.03	0.00
P-71	J-173	J-174	31	CI/R/DI	100	140	0.33	0.49	2.90
P-72	J-159	J-37	29	CI/R/DI	100	140	-0.27	0.39	1.90
P-73	J-175	J-163	31	CI/R/DI	100	140	0.23	0.35	1.50
P-74	J-176	J-136	31	CI/R/DI	100	140	-0.19	0.29	1.10
P-75	J-178	J-179	30	CI/R/DI	100	140	0.03	0.05	0.00
P-76	J-180	J-181	31	CI/R/DI	100	140	0.02	0.03	0.00
P-77	J-182	J-183	34	CI/R/DI	100	140	0.09	0.14	0.30
P-78	J-184	J-185	31	CI/R/DI	100	140	-0.01	0.02	0.00
P-79	J-187	J-120	31	CI/R/DI	100	140	-0.38	0.56	3.70
P-80	J-188	J-175	33	CI/R/DI	100	140	0.04	0.05	0.00
P-81	J-95	J-53	25	CI/R/DI	100	140	-0.54	0.80	7.20
P-82	J-185	J-189	39	CI/R/DI	100	140	0.02	0.03	0.00
P-83	J-190	J-47	32	CI/R/DI	100	140	-0.17	0.26	0.90
P-84	J-66	J-191	32	CI/R/DI	100	140	0.02	0.02	0.00
P-85	J-91	J-194	32	CI/R/DI	100	140	0.02	0.03	0.00
P-86	J-195	J-196	33	CI/R/DI	100	140	0.39	0.57	3.80
P-87	J-85	J-197	30	CI/R/DI	100	140	-0.08	0.11	0.20
P-88	J-198	J-199	33	CI/R/DI	100	140	0.26	0.38	1.80
P-89	J-200	J-158	31	CI/R/DI	100	140	0.08	0.12	0.20
P-90	J-201	J-83	33	CI/R/DI	100	140	0.20	0.29	1.10
P-91	J-202	J-203	33	CI/R/DI	100	140	-0.44	0.64	4.70
P-92	J-204	J-205	35	CI/R/DI	100	140	-0.10	0.15	0.30
P-93	J-206	J-56	34	CI/R/DI	100	140	-0.47	0.69	5.40
P-94	J-33	J-107	61	CI/R/DI	100	140	-0.10	0.14	0.30
P-95	J-208	J-209	34	CI/R/DI	100	140	0.02	0.03	0.00
P-96	J-156	J-210	34	CI/R/DI	100	140	-0.04	0.06	0.10
P-97	J-212	J-44	34	CI/R/DI	100	140	0.21	0.31	1.20
P-98	J-213	J-192	32	CI/R/DI	100	140	0.23	0.34	1.40

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-99	J-214	J-215	34	CI/R/DI	100	140	-0.08	0.12	0.20
P-100	J-63	J-216	33	CI/R/DI	100	140	0.10	0.15	0.30
P-101	J-217	J-218	32	CI/R/DI	100	140	-0.29	0.42	2.20
P-102	J-219	J-201	33	CI/R/DI	100	140	0.20	0.30	1.20
P-103	J-220	J-145	35	CI/R/DI	100	140	0.46	0.67	5.20
P-104	J-221	J-222	35	CI/R/DI	100	140	0.18	0.26	0.90
P-105	J-223	J-224	35	CI/R/DI	100	140	0.39	0.57	3.90
P-106	J-226	J-227	36	CI/R/DI	100	140	-0.02	0.03	0.00
P-107	J-228	J-217	36	CI/R/DI	100	140	-0.24	0.35	1.60
P-108	J-171	J-227	36	CI/R/DI	100	140	-0.30	0.44	2.30
P-109	J-229	J-125	36	CI/R/DI	100	140	-0.02	0.03	0.00
P-110	J-42	J-232	37	CI/R/DI	100	140	0.27	0.39	1.90
P-111	J-184	J-233	37	CI/R/DI	100	140	0.02	0.03	0.00
P-112	J-215	J-234	33	CI/R/DI	100	140	-0.44	0.65	4.80
P-113	J-197	J-165	39	CI/R/DI	100	140	0.15	0.23	0.70
P-114	J-236	J-99	37	CI/R/DI	100	140	0.04	0.06	0.10
P-115	J-205	J-39	36	CI/R/DI	100	140	-0.29	0.42	2.20
P-116	J-147	J-237	37	CI/R/DI	100	140	-0.06	0.08	0.10
P-117	J-238	J-239	37	CI/R/DI	100	140	0.02	0.03	0.00
P-118	J-241	J-242	106	CI/R/DI	100	140	0.08	0.12	0.20
P-119	J-243	J-98	56	CI/R/DI	100	140	-0.29	0.42	2.20
P-120	J-244	J-135	38	CI/R/DI	100	140	-0.02	0.04	0.00
P-121	J-117	J-238	42	CI/R/DI	100	140	0.03	0.05	0.00
P-122	J-245	J-214	38	CI/R/DI	100	140	0.27	0.40	2.00
P-123	J-174	J-246	38	CI/R/DI	100	140	0.08	0.12	0.20
P-124	J-247	J-248	38	CI/R/DI	100	140	-0.20	0.29	1.10
P-125	J-249	J-250	39	CI/R/DI	100	140	-0.21	0.31	1.20
P-126	J-251	J-252	37	CI/R/DI	100	140	0.06	0.09	0.10
P-127	J-253	J-254	39	CI/R/DI	100	140	0.42	0.62	4.40
P-128	J-67	J-184	39	CI/R/DI	100	140	0.06	0.08	0.10
P-129	J-133	J-206	39	CI/R/DI	100	140	-0.13	0.20	0.50
P-130	J-255	J-202	39	CI/R/DI	100	140	-0.24	0.35	1.60
P-131	J-256	J-172	38	CI/R/DI	100	140	0.15	0.21	0.60
P-132	J-200	J-216	39	CI/R/DI	100	140	0.28	0.42	2.10
P-133	J-257	J-258	39	CI/R/DI	100	140	-0.06	0.09	0.10
P-134	J-183	J-219	37	CI/R/DI	100	140	0.04	0.05	0.00
P-135	J-259	J-260	39	CI/R/DI	100	140	-0.38	0.56	3.60
P-136	J-261	J-262	39	CI/R/DI	100	140	-0.03	0.04	0.00
P-137	J-263	J-264	39	CI/R/DI	100	140	0.13	0.19	0.50
P-138	J-265	J-266	40	CI/R/DI	100	140	0.42	0.62	4.40
P-139	J-10	J-267	41	CI/R/DI	100	140	-0.21	0.32	1.30
P-140	J-268	J-49	40	DI/E	100	130	0.05	0.07	0.10
P-141	J-269	J-259	40	CI/R/DI	100	140	-0.33	0.48	2.80
P-142	J-89	J-93	62	CI/R/DI	100	140	0.23	0.33	1.40
P-143	J-266	J-271	42	CI/R/DI	100	140	0.04	0.05	0.00
P-144	J-35	J-274	41	CI/R/DI	100	140	-0.18	0.26	0.90
P-145	J-8	J-101	42	CI/R/DI	100	140	-0.02	0.03	0.00
P-146	J-275	J-276	39	CI/R/DI	100	140	-0.20	0.30	1.10
P-147	J-122	J-256	42	CI/R/DI	100	140	-0.52	0.76	6.50

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-148	J-59	J-8	41	CI/R/DI	100	140	0.24	0.36	1.60
P-149	J-77	J-278	41	CI/R/DI	100	140	0.18	0.27	0.90
P-150	J-279	J-130	41	CI/R/DI	100	140	-0.03	0.04	0.00
P-151	J-167	J-464	55	CI/R/DI	100	140	0.14	0.20	0.60
P-152	J-280	J-281	44	CI/R/DI	100	140	-0.03	0.04	0.00
P-153	J-282	J-9	37	DI/E	100	130	-0.24	0.36	1.90
P-154	J-283	J-198	39	CI/R/DI	100	140	0.35	0.52	3.20
P-155	J-63	J-158	39	CI/R/DI	100	140	-0.25	0.37	1.70
P-156	J-118	J-284	62	CI/R/DI	100	140	-0.10	0.15	0.30
P-157	J-285	J-245	43	CI/R/DI	100	140	-0.48	0.70	5.60
P-158	J-70	J-286	43	CI/R/DI	100	140	-0.07	0.11	0.20
P-159	J-287	J-260	43	CI/R/DI	100	140	-0.50	0.74	6.20
P-160	J-288	J-289	43	CI/R/DI	100	140	-0.02	0.03	0.00
P-161	J-237	J-290	41	CI/R/DI	100	140	-0.06	0.09	0.10
P-162	J-291	J-287	43	CI/R/DI	100	140	-0.29	0.43	2.20
P-163	J-151	J-292	43	CI/R/DI	100	140	0.03	0.04	0.00
P-164	J-141	J-187	44	CI/R/DI	100	140	-0.29	0.43	2.30
P-165	J-139	J-293	44	CI/R/DI	100	140	-0.10	0.15	0.30
P-166	J-295	J-296	44	CI/R/DI	100	140	0.02	0.03	0.00
P-167	J-92	J-297	44	CI/R/DI	100	140	0.03	0.04	0.00
P-168	J-298	J-270	47	CI/R/DI	100	140	-0.02	0.03	0.00
P-169	J-85	J-299	43	CI/R/DI	100	140	0.03	0.04	0.00
P-170	J-250	J-262	45	CI/R/DI	100	140	0.49	0.72	5.90
P-171	J-193	J-301	44	CI/R/DI	100	140	0.28	0.41	2.00
P-172	J-302	J-303	45	CI/R/DI	100	140	-0.27	0.40	2.00
P-173	J-277	J-34	45	CI/R/DI	100	140	0.19	0.29	1.10
P-174	J-304	J-90	94	CI/R/DI	100	140	-0.15	0.22	0.60
P-175	J-264	J-221	47	CI/R/DI	100	140	0.45	0.66	5.00
P-176	J-227	J-208	45	CI/R/DI	100	140	-0.20	0.30	1.10
P-177	J-305	J-306	46	CI/R/DI	100	140	-0.19	0.29	1.10
P-178	J-61	J-307	46	CI/R/DI	100	140	-0.23	0.34	1.50
P-179	J-240	J-111	46	CI/R/DI	100	140	0.03	0.05	0.00
P-180	J-308	J-309	47	CI/R/DI	100	140	-0.16	0.23	0.70
P-181	J-152	J-22	52	CI/R/DI	100	140	0.08	0.12	0.20
P-182	J-88	J-310	46	DI/E	100	130	0.05	0.07	0.10
P-183	J-311	J-43	46	CI/R/DI	100	140	-0.25	0.37	1.70
P-184	J-313	J-134	46	CI/R/DI	100	140	0.05	0.07	0.10
P-185	J-314	J-176	91	CI/R/DI	100	140	0.06	0.09	0.10
P-186	J-315	J-316	47	CI/R/DI	100	140	0.28	0.41	2.10
P-187	J-307	J-289	47	CI/R/DI	100	140	0.36	0.53	3.30
P-188	J-317	J-82	49	CI/R/DI	100	140	-0.02	0.04	0.00
P-189	J-153	J-42	47	CI/R/DI	100	140	-0.32	0.48	2.70
P-190	J-310	J-318	47	DI/E	100	130	0.26	0.38	2.00
P-191	J-319	J-257	49	CI/R/DI	100	140	0.03	0.05	0.00
P-192	J-320	J-321	45	CI/R/DI	100	140	0.54	0.80	7.00
P-193	J-323	J-132	48	CI/R/DI	100	140	0.23	0.34	1.50
P-194	J-256	J-324	49	CI/R/DI	100	140	0.03	0.05	0.00
P-195	J-325	J-315	48	CI/R/DI	100	140	-0.52	0.77	6.70
P-196	J-249	J-326	48	CI/R/DI	100	140	-0.18	0.27	0.90

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-197	J-306	J-128	49	CI/R/DI	100	140	-0.40	0.59	4.10
P-198	J-313	J-180	48	CI/R/DI	100	140	-0.01	0.02	0.00
P-199	J-327	J-323	49	CI/R/DI	100	140	0.32	0.47	2.60
P-200	J-328	J-168	49	CI/R/DI	100	140	0.09	0.14	0.30
P-201	J-329	J-66	53	CI/R/DI	100	140	-0.07	0.10	0.20
P-202	J-330	J-221	71	CI/R/DI	100	140	-0.18	0.26	0.90
P-203	J-331	J-150	50	CI/R/DI	100	140	0.12	0.18	0.40
P-204	J-10	J-332	50	CI/R/DI	100	140	0.03	0.05	0.00
P-205	J-127	J-9	48	CI/R/DI	100	140	0.17	0.25	0.80
P-206	J-50	J-334	51	DI/E	100	130	-0.22	0.32	1.50
P-207	J-178	J-335	53	CI/R/DI	100	140	0.01	0.01	0.00
P-208	J-336	J-337	51	CI/R/DI	100	140	-0.04	0.06	0.10
P-209	J-338	J-339	56	CI/R/DI	100	140	-0.06	0.09	0.10
P-210	J-340	J-341	42	CI/R/DI	100	140	-0.18	0.26	0.90
P-211	J-336	J-342	52	CI/R/DI	100	140	0.07	0.11	0.20
P-212	J-343	J-157	51	CI/R/DI	100	140	-0.02	0.04	0.00
P-213	J-342	J-295	53	CI/R/DI	100	140	0.04	0.06	0.10
P-214	J-24	J-147	53	CI/R/DI	100	140	-0.27	0.40	2.00
P-215	J-345	J-304	46	CI/R/DI	100	140	-0.42	0.62	4.40
P-216	J-345	J-346	55	CI/R/DI	100	140	0.22	0.32	1.30
P-217	J-347	J-348	69	DI/E	100	130	0.04	0.07	0.10
P-218	J-350	J-87	50	CI/R/DI	100	140	-0.39	0.57	3.80
P-219	J-93	J-351	50	CI/R/DI	100	140	0.44	0.65	4.80
P-220	J-109	J-176	54	CI/R/DI	100	140	-0.15	0.21	0.60
P-221	J-352	J-347	54	DI/E	100	130	0.25	0.37	2.00
P-222	J-301	J-353	55	CI/R/DI	100	140	-0.04	0.06	0.10
P-223	J-354	J-355	54	CI/R/DI	100	140	0.20	0.29	1.10
P-224	J-356	J-204	52	CI/R/DI	100	140	-0.08	0.12	0.20
P-225	J-278	J-117	55	CI/R/DI	100	140	-0.47	0.69	5.30
P-226	J-360	J-342	55	CI/R/DI	100	140	0.05	0.07	0.10
P-227	J-361	J-162	55	CI/R/DI	100	140	0.10	0.15	0.30
P-228	J-362	J-354	55	CI/R/DI	100	140	0.45	0.66	4.90
P-229	J-363	J-311	55	CI/R/DI	100	140	-0.09	0.13	0.20
P-230	J-364	J-195	56	CI/R/DI	100	140	0.34	0.50	3.00
P-231	J-312	J-268	55	DI/E	100	130	0.42	0.62	5.10
P-232	J-308	J-365	55	CI/R/DI	100	140	0.03	0.04	0.00
P-233	J-366	J-341	60	CI/R/DI	100	140	0.28	0.41	2.00
P-234	J-193	J-367	90	CI/R/DI	100	140	-0.26	0.38	1.80
P-235	J-337	J-360	56	CI/R/DI	100	140	0.07	0.10	0.10
P-236	J-231	J-29	56	CI/R/DI	100	140	-0.15	0.22	0.70
P-237	J-368	J-68	70	CI/R/DI	100	140	-0.34	0.51	3.00
P-238	J-369	J-370	63	CI/R/DI	100	140	0.55	0.81	7.20
P-239	J-7	J-5	56	CI/R/DI	100	140	0.11	0.16	0.40
P-240	J-371	J-372	56	CI/R/DI	100	140	-0.12	0.18	0.50
P-241	J-177	J-116	54	CI/R/DI	100	140	0.19	0.28	1.00
P-242	J-232	J-154	57	CI/R/DI	100	140	0.21	0.31	1.20
P-243	J-100	J-152	57	CI/R/DI	100	140	0.02	0.02	0.00
P-244	J-375	J-376	57	CI/R/DI	100	140	0.04	0.05	0.00
P-245	J-377	J-190	57	CI/R/DI	100	140	-0.13	0.19	0.50

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-246	J-14	J-96	78	DI/E	100	130	-0.40	0.59	4.70
P-247	J-72	J-379	59	CI/R/DI	100	140	0.04	0.05	0.00
P-248	J-115	J-363	58	CI/R/DI	100	140	0.05	0.07	0.10
P-249	J-131	J-380	59	CI/R/DI	100	140	-0.33	0.48	2.80
P-250	J-275	J-381	59	CI/R/DI	100	140	0.03	0.04	0.00
P-251	J-382	J-309	61	CI/R/DI	100	140	-0.12	0.18	0.40
P-252	J-326	J-384	59	CI/R/DI	100	140	-0.36	0.53	3.30
P-253	J-224	J-385	59	CI/R/DI	100	140	0.04	0.05	0.00
P-254	J-252	J-182	56	CI/R/DI	100	140	0.01	0.01	0.00
P-255	J-337	J-387	60	CI/R/DI	100	140	-0.19	0.28	1.00
P-256	J-389	J-390	59	CI/R/DI	100	140	-0.33	0.48	2.80
P-257	J-260	J-391	60	CI/R/DI	100	140	0.32	0.48	2.70
P-258	J-5	J-392	60	CI/R/DI	100	140	-0.15	0.22	0.60
P-259	J-263	J-247	61	CI/R/DI	100	140	-0.36	0.53	3.30
P-260	J-394	J-220	57	CI/R/DI	100	140	0.24	0.35	1.60
P-261	J-395	J-389	60	CI/R/DI	100	140	-0.38	0.55	3.60
P-262	J-368	J-7	64	CI/R/DI	100	140	0.10	0.15	0.30
P-263	J-396	J-397	62	CI/R/DI	100	140	-0.42	0.61	4.30
P-264	J-281	J-395	62	CI/R/DI	100	140	-0.44	0.64	4.70
P-265	J-398	J-78	63	CI/R/DI	100	140	-0.35	0.52	3.20
P-266	J-388	J-382	65	CI/R/DI	100	140	-0.63	0.92	9.30
P-267	J-82	J-399	62	CI/R/DI	100	140	0.37	0.55	3.60
P-268	J-383	J-400	63	CI/R/DI	100	140	-0.22	0.33	1.30
P-269	J-40	J-64	62	CI/R/DI	100	140	0.35	0.52	3.10
P-270	J-46	J-183	64	CI/R/DI	100	140	0.35	0.51	3.10
P-271	J-248	J-680	60	CI/R/DI	100	140	-0.35	0.51	3.10
P-272	J-94	J-401	64	CI/R/DI	100	140	0.04	0.06	0.10
P-273	J-28	J-18	61	CI/R/DI	100	140	0.24	0.35	1.60
P-274	J-350	J-394	64	CI/R/DI	100	140	0.30	0.43	2.30
P-275	J-402	J-134	64	CI/R/DI	100	140	-0.04	0.06	0.10
P-276	J-48	J-287	64	CI/R/DI	100	140	-0.12	0.18	0.40
P-277	J-331	J-116	63	CI/R/DI	100	140	-0.47	0.69	5.40
P-278	J-340	J-403	74	CI/R/DI	100	140	0.05	0.07	0.10
P-279	J-18	J-404	65	CI/R/DI	100	140	0.16	0.24	0.70
P-280	J-378	J-267	65	CI/R/DI	100	140	-0.15	0.23	0.70
P-281	J-339	J-17	69	CI/R/DI	100	140	-0.26	0.39	1.80
P-282	J-334	J-406	66	DI/E	100	130	-0.54	0.80	8.10
P-283	J-138	J-407	70	CI/R/DI	100	140	0.04	0.06	0.10
P-284	J-135	J-109	66	CI/R/DI	100	140	-0.18	0.27	0.90
P-285	J-408	J-265	71	CI/R/DI	100	140	0.37	0.54	3.40
P-286	J-409	J-112	76	CI/R/DI	100	140	0.01	0.01	0.00
P-287	J-410	J-41	67	CI/R/DI	100	140	-0.25	0.37	1.70
P-288	J-386	J-20	67	CI/R/DI	100	140	0.39	0.58	3.80
P-289	J-15	J-6	71	CI/R/DI	100	140	-0.19	0.27	1.00
P-290	J-223	J-263	67	CI/R/DI	100	140	0.20	0.30	1.10
P-291	J-411	J-192	65	CI/R/DI	100	140	-0.04	0.06	0.10
P-292	J-291	J-190	67	CI/R/DI	100	140	0.05	0.08	0.10
P-293	J-412	J-347	67	DI/E	100	130	-0.09	0.13	0.30
P-294	J-413	J-414	71	CI/R/DI	100	140	-0.09	0.13	0.20

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-295	J-246	J-12	67	CI/R/DI	100	140	0.14	0.21	0.60
P-296	J-415	J-416	62	CI/R/DI	100	140	0.06	0.09	0.10
P-297	J-374	J-325	68	CI/R/DI	100	140	-0.24	0.36	1.60
P-298	J-75	J-104	85	CI/R/DI	100	140	0.16	0.24	0.80
P-299	J-404	J-23	64	CI/R/DI	100	140	-0.27	0.40	2.00
P-300	J-212	J-417	68	CI/R/DI	100	140	0.03	0.05	0.00
P-301	J-418	J-419	73	CI/R/DI	100	140	-0.01	0.02	0.00
P-302	J-52	J-420	69	CI/R/DI	100	140	0.04	0.06	0.10
P-303	J-248	J-421	69	CI/R/DI	100	140	0.04	0.06	0.10
P-304	J-416	J-422	70	CI/R/DI	100	140	0.03	0.05	0.00
P-305	J-405	J-243	146	CI/R/DI	100	140	-0.30	0.45	2.40
P-306	J-424	J-19	69	CI/R/DI	100	140	-0.04	0.06	0.10
P-307	J-51	J-425	70	CI/R/DI	100	140	0.04	0.07	0.10
P-308	J-270	J-426	118	CI/R/DI	100	140	-0.10	0.14	0.30
P-309	J-10	J-418	70	CI/R/DI	100	140	0.30	0.44	2.30
P-310	J-346	J-427	87	CI/R/DI	100	140	0.40	0.59	4.00
P-311	J-56	WEST HILLS 150 NOS	70	CI/R/DI	100	140	0.05	0.07	0.10
P-312	J-428	J-308	83	CI/R/DI	100	140	-0.04	0.06	0.10
P-313	J-353	J-80	71	CI/R/DI	100	140	0.13	0.19	0.50
P-314	J-431	J-9	71	CI/R/DI	100	140	-0.05	0.07	0.10
P-315	J-358	J-432	71	CI/R/DI	100	140	-0.25	0.37	1.70
P-316	J-98	J-106	159	CI/R/DI	100	140	-0.30	0.44	2.30
P-317	J-13	J-77	73	CI/R/DI	100	140	-0.32	0.47	2.60
P-318	J-199	J-114	71	CI/R/DI	100	140	0.17	0.25	0.80
P-319	J-416	J-433	72	CI/R/DI	100	140	-0.07	0.10	0.20
P-320	J-73	J-434	71	CI/R/DI	100	140	0.09	0.13	0.20
P-321	J-433	J-435	69	CI/R/DI	100	140	0.10	0.15	0.30
P-322	J-432	J-175	72	CI/R/DI	100	140	0.26	0.39	1.90
P-323	J-125	J-241	72	CI/R/DI	100	140	-0.32	0.48	2.70
P-324	J-228	J-199	72	CI/R/DI	100	140	0.00	0.00	0.00
P-325	J-277	J-213	75	CI/R/DI	100	140	0.19	0.28	1.00
P-326	J-436	J-76	77	CI/R/DI	100	140	-0.32	0.47	2.70
P-327	J-375	J-113	73	CI/R/DI	100	140	0.19	0.29	1.00
P-328	J-49	J-362	90	CI/R/DI	100	140	-0.21	0.30	1.20
P-329	J-217	J-198	74	CI/R/DI	100	140	-0.02	0.03	0.00
P-330	J-11	J-86	93	CI/R/DI	100	140	0.05	0.07	0.10
P-331	J-172	J-438	72	CI/R/DI	100	140	-0.15	0.21	0.60
P-332	J-439	J-3	75	CI/R/DI	100	140	0.34	0.50	3.00
P-333	J-441	J-179	72	CI/R/DI	100	140	0.16	0.24	0.80
P-334	J-218	J-442	75	CI/R/DI	100	140	-0.22	0.32	1.30
P-335	J-31	J-126	75	CI/R/DI	100	140	0.49	0.72	5.80
P-336	J-271	J-131	75	CI/R/DI	100	140	-0.02	0.03	0.00
P-337	J-443	J-444	79	CI/R/DI	100	140	-0.05	0.07	0.10
P-338	J-283	J-218	75	CI/R/DI	100	140	0.16	0.24	0.70
P-339	J-387	J-64	75	CI/R/DI	100	140	-0.25	0.37	1.70
P-340	J-65	J-439	75	CI/R/DI	100	140	-0.40	0.59	4.00
P-341	J-321	J-445	76	CI/R/DI	100	140	0.17	0.25	0.80
P-342	J-166	J-79	155	CI/R/DI	100	140	0.34	0.50	2.90

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-343	J-19	J-155	83	CI/R/DI	100	140	-0.25	0.37	1.70
P-344	J-409	J-372	78	CI/R/DI	100	140	0.23	0.34	1.40
P-345	J-14	J-352	76	DI/E	100	130	0.48	0.70	6.40
P-346	J-318	J-446	104	DI/E	100	130	0.05	0.07	0.10
P-347	J-400	J-51	96	CI/R/DI	100	140	-0.04	0.05	0.00
P-348	J-370	J-196	80	CI/R/DI	100	140	0.14	0.20	0.50
P-349	J-78	J-168	147	CI/R/DI	100	140	-0.28	0.41	2.00
P-350	J-397	J-105	82	CI/R/DI	100	140	-0.29	0.43	2.30
P-351	J-106	J-331	76	CI/R/DI	100	140	-0.23	0.34	1.50
P-352	J-28	J-23	75	CI/R/DI	100	140	0.08	0.12	0.20
P-353	J-423	J-15	78	CI/R/DI	100	140	0.09	0.14	0.30
P-354	J-150	J-278	77	CI/R/DI	100	140	-0.26	0.38	1.80
P-355	J-440	J-410	74	CI/R/DI	100	140	0.24	0.35	1.50
P-356	J-235	J-447	79	CI/R/DI	100	140	-0.16	0.24	0.80
P-357	J-293	J-267	80	CI/R/DI	100	140	0.08	0.12	0.20
P-358	J-87	J-220	77	CI/R/DI	100	140	0.48	0.70	5.50
P-359	J-269	J-448	79	DI/E	100	130	0.05	0.07	0.10
P-360	J-97	J-315	99	CI/R/DI	100	140	-0.28	0.41	2.00
P-361	J-2	J-182	77	CI/R/DI	100	140	0.19	0.28	1.00
P-362	J-286	J-449	80	CI/R/DI	100	140	-0.32	0.48	2.70
P-363	J-318	J-157	81	DI/E	100	130	0.30	0.45	2.70
P-364	J-140	WEST HILLS 150 NOS	81	CI/R/DI	100	140	0.05	0.08	0.10
P-365	J-342	J-363	81	CI/R/DI	100	140	-0.04	0.06	0.10
P-366	J-360	J-311	81	CI/R/DI	100	140	-0.07	0.11	0.20
P-367	J-390	J-450	84	CI/R/DI	100	140	0.29	0.43	2.20
P-368	J-52	J-282	85	CI/R/DI	100	140	-0.35	0.51	3.00
P-369	J-108	J-451	82	CI/R/DI	100	140	0.05	0.08	0.10
P-370	J-405	J-396	79	CI/R/DI	100	140	0.09	0.14	0.30
P-371	J-452	J-305	77	CI/R/DI	100	140	-0.05	0.07	0.10
P-372	J-115	J-295	82	CI/R/DI	100	140	0.07	0.10	0.10
P-373	J-155	J-453	111	CI/R/DI	100	140	0.07	0.10	0.20
P-374	J-358	J-185	83	CI/R/DI	100	140	0.11	0.16	0.30
P-375	J-55	J-234	85	CI/R/DI	100	140	0.58	0.86	8.10
P-376	J-442	J-437	80	CI/R/DI	100	140	0.27	0.41	2.00
P-377	J-67	J-432	83	CI/R/DI	100	140	-0.25	0.37	1.70
P-378	J-450	J-357	83	CI/R/DI	100	140	-0.15	0.22	0.70
P-379	J-196	J-276	83	CI/R/DI	100	140	0.43	0.63	4.50
P-380	J-216	J-205	86	CI/R/DI	100	140	0.11	0.16	0.30
P-381	J-39	J-200	87	CI/R/DI	100	140	-0.11	0.17	0.40
P-382	J-164	J-98	82	CI/R/DI	100	140	0.17	0.26	0.90
P-383	J-454	J-302	86	CI/R/DI	100	140	-0.05	0.08	0.10
P-384	J-289	J-318	86	CI/R/DI	100	140	0.25	0.37	1.70
P-385	J-344	J-253	87	CI/R/DI	100	140	0.11	0.16	0.40
P-386	J-326	J-455	88	CI/R/DI	100	140	0.06	0.08	0.10
P-387	J-278	J-13	150	CI/R/DI	100	140	0.19	0.28	1.00
P-388	J-285	J-146	88	CI/R/DI	100	140	0.04	0.07	0.10
P-389	J-2	J-251	85	CI/R/DI	100	140	0.18	0.26	0.90
P-390	J-438	J-375	91	CI/R/DI	100	140	0.37	0.54	3.40

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-391	J-430	J-219	88	CI/R/DI	100	140	0.27	0.39	1.90
P-392	J-172	J-138	90	CI/R/DI	100	140	0.14	0.21	0.60
P-393	J-404	J-456	89	CI/R/DI	100	140	0.30	0.44	2.40
P-394	J-222	J-33	112	CI/R/DI	100	140	-0.12	0.17	0.40
P-395	J-377	J-291	118	CI/R/DI	100	140	-0.10	0.14	0.30
P-396	J-225	J-26	86	CI/R/DI	100	140	-0.04	0.05	0.00
P-397	J-216	J-204	117	CI/R/DI	100	140	0.11	0.16	0.30
P-398	J-307	J-310	90	CI/R/DI	100	140	0.29	0.43	2.30
P-399	J-247	J-223	129	CI/R/DI	100	140	0.19	0.27	1.00
P-400	J-80	J-361	138	CI/R/DI	100	140	0.14	0.20	0.60
P-401	J-427	J-457	113	CI/R/DI	100	140	0.21	0.31	1.20
P-402	J-90	J-346	110	CI/R/DI	100	140	0.35	0.51	3.10
P-403	J-173	J-316	94	CI/R/DI	100	140	-0.30	0.44	2.40
P-404	J-31	J-10	97	CI/R/DI	100	140	0.28	0.41	2.10
P-405	J-458	J-22	96	CI/R/DI	100	140	-0.06	0.09	0.10
P-406	J-238	J-84	95	CI/R/DI	100	140	-0.10	0.15	0.30
P-407	J-123	J-447	97	CI/R/DI	100	140	0.23	0.35	1.50
P-408	J-397	J-74	136	CI/R/DI	100	140	-0.30	0.44	2.30
P-409	J-254	J-213	95	CI/R/DI	100	140	0.21	0.31	1.20
P-410	J-276	J-423	98	CI/R/DI	100	140	0.12	0.17	0.40
P-411	J-459	J-59	99	CI/R/DI	100	140	0.18	0.27	0.90
P-412	J-202	J-8	100	CI/R/DI	100	140	0.09	0.13	0.20
P-413	J-61	J-88	98	DI/E	100	130	0.21	0.30	1.30
P-414	J-179	J-73	116	CI/R/DI	100	140	0.09	0.13	0.20
P-415	J-245	J-146	113	CI/R/DI	100	140	0.29	0.42	2.20
P-416	J-114	J-228	127	CI/R/DI	100	140	-0.13	0.19	0.50
P-417	J-361	J-301	129	CI/R/DI	100	140	-0.17	0.25	0.80
P-418	J-127	J-11	117	CI/R/DI	100	140	0.21	0.30	1.20
P-419	J-255	J-101	102	CI/R/DI	100	140	-0.11	0.16	0.40
P-420	J-442	J-258	102	CI/R/DI	100	140	0.31	0.45	2.50
P-421	J-25	J-240	111	CI/R/DI	100	140	0.06	0.10	0.10
P-422	J-11	J-460	134	CI/R/DI	100	140	0.25	0.37	1.70
P-423	J-258	J-336	106	CI/R/DI	100	140	0.13	0.19	0.50
P-424	J-15	J-275	128	CI/R/DI	100	140	-0.07	0.10	0.10
P-425	J-302	J-141	107	CI/R/DI	100	140	0.06	0.09	0.10
P-426	J-253	J-313	103	CI/R/DI	100	140	0.16	0.24	0.80
P-427	J-20	J-27	108	CI/R/DI	100	140	0.09	0.14	0.30
P-428	J-372	J-235	108	CI/R/DI	100	140	-0.05	0.07	0.10
P-429	J-447	J-409	111	CI/R/DI	100	140	-0.11	0.16	0.40
P-430	J-187	J-303	109	CI/R/DI	100	140	-0.03	0.04	0.00
P-431	J-418	J-126	110	CI/R/DI	100	140	0.15	0.22	0.60
P-432	J-12	J-335	110	CI/R/DI	100	140	0.11	0.17	0.40
P-433	J-262	J-80	208	CI/R/DI	100	140	0.28	0.41	2.00
P-434	J-461	J-153	131	CI/R/DI	100	140	-0.08	0.12	0.20
P-435	J-406	J-14	114	DI/E	100	130	-0.28	0.41	2.40
P-436	J-300	J-371	113	CI/R/DI	100	140	-0.23	0.35	1.50
P-437	J-236	J-102	113	CI/R/DI	100	140	-0.13	0.19	0.50
P-438	J-111	J-25	114	CI/R/DI	100	140	-0.07	0.10	0.10
P-439	J-38	J-328	111	CI/R/DI	100	140	0.20	0.29	1.10

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-440	J-246	J-325	115	CI/R/DI	100	140	-0.17	0.25	0.80
P-441	J-312	J-359	116	CI/R/DI	100	140	0.33	0.48	2.70
P-442	J-60	J-435	117	CI/R/DI	100	140	0.15	0.21	0.60
P-443	J-37	J-201	116	CI/R/DI	100	140	0.11	0.16	0.40
P-444	J-159	J-83	119	CI/R/DI	100	140	0.08	0.11	0.20
P-445	J-21	J-60	116	CI/R/DI	100	140	0.35	0.51	3.10
P-446	J-13	J-19	152	CI/R/DI	100	140	0.27	0.40	2.00
P-447	J-205	J-328	157	CI/R/DI	100	140	0.10	0.14	0.30
P-448	J-463	J-306	114	CI/R/DI	100	140	-0.07	0.11	0.20
P-449	J-333	J-378	156	CI/R/DI	100	140	-0.10	0.15	0.30
P-450	J-8	J-100	122	CI/R/DI	100	140	0.16	0.24	0.70
P-451	J-174	J-178	142	CI/R/DI	100	140	0.15	0.22	0.60
P-452	J-399	J-441	162	CI/R/DI	100	140	0.05	0.07	0.10
P-453	J-192	J-35	171	CI/R/DI	100	140	-0.12	0.18	0.40
P-454	J-27	J-433	151	CI/R/DI	100	140	0.31	0.46	2.60
P-455	J-293	J-265	124	CI/R/DI	100	140	-0.34	0.51	3.00
P-456	J-383	J-394	124	CI/R/DI	100	140	0.10	0.15	0.30
P-457	J-224	J-107	127	CI/R/DI	100	140	0.22	0.32	1.30
P-458	J-58	J-152	128	CI/R/DI	100	140	0.21	0.31	1.20
P-459	J-388	J-60	126	CI/R/DI	100	140	0.03	0.04	0.00
P-460	J-47	J-32	130	CI/R/DI	100	140	0.11	0.16	0.30
P-461	J-113	J-208	130	CI/R/DI	100	140	0.41	0.61	4.30
P-462	J-464	J-465	134	CI/R/DI	100	140	-0.14	0.21	0.60
P-463	J-322	J-366	179	CI/R/DI	100	140	-0.50	0.73	6.00
P-464	J-415	J-225	130	DI/E	100	130	-0.33	0.48	3.10
P-465	J-139	J-266	131	CI/R/DI	100	140	-0.25	0.37	1.70
P-466	J-24	J-285	187	CI/R/DI	100	140	-0.16	0.24	0.70
P-467	J-445	J-441	136	CI/R/DI	100	140	0.30	0.44	2.30
P-468	J-362	J-466	137	CI/R/DI	100	140	0.09	0.13	0.20
P-469	J-210	J-4	135	CI/R/DI	100	140	0.23	0.33	1.40
P-470	J-21	J-382	134	CI/R/DI	100	140	-0.26	0.39	1.80
P-471	J-53	J-271	139	CI/R/DI	100	140	-0.24	0.35	1.60
P-472	J-468	J-355	136	CI/R/DI	100	140	-0.09	0.13	0.20
P-473	J-92	J-371	202	CI/R/DI	100	140	-0.28	0.42	2.10
P-474	J-387	J-43	144	CI/R/DI	100	140	-0.07	0.10	0.20
P-475	J-147	J-214	166	CI/R/DI	100	140	-0.21	0.30	1.20
P-476	J-303	J-636	140	CI/R/DI	100	140	-0.49	0.72	5.80
P-477	J-351	J-169	172	CI/R/DI	100	140	-0.19	0.27	1.00
P-478	J-106	J-177	182	CI/R/DI	100	140	-0.33	0.48	2.80
P-479	J-356	J-78	146	CI/R/DI	100	140	0.30	0.44	2.30
P-480	J-414	J-195	148	CI/R/DI	100	140	0.16	0.24	0.80
P-481	J-250	J-109	152	CI/R/DI	100	140	0.24	0.35	1.50
P-482	J-434	J-469	156	CI/R/DI	100	140	0.08	0.11	0.20
P-483	J-470	J-171	189	CI/R/DI	100	140	-0.12	0.17	0.40
P-484	J-359	J-327	156	CI/R/DI	100	140	0.00	0.00	0.00
P-485	J-384	J-373	159	CI/R/DI	100	140	0.13	0.20	0.50
P-486	J-227	J-112	193	CI/R/DI	100	140	-0.31	0.46	2.50
P-487	J-309	J-386	161	CI/R/DI	100	140	0.04	0.05	0.00
P-488	J-165	J-79	190	CI/R/DI	100	140	0.29	0.42	2.10

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-489	J-396	J-71	164	CI/R/DI	100	140	0.32	0.47	2.70
P-490	J-427	J-186	212	CI/R/DI	100	140	-0.07	0.11	0.20
P-491	J-33	J-263	165	CI/R/DI	100	140	-0.23	0.34	1.40
P-492	J-339	J-5	168	CI/R/DI	100	140	0.06	0.08	0.10
P-493	J-282	J-95	169	CI/R/DI	100	140	-0.29	0.42	2.10
P-494	J-290	J-55	198	CI/R/DI	100	140	-0.46	0.68	5.20
P-495	J-321	J-173	224	CI/R/DI	100	140	0.20	0.30	1.10
P-496	J-370	J-144	186	CI/R/DI	100	140	0.25	0.37	1.70
P-497	J-96	J-472	184	CI/R/DI	100	140	0.12	0.17	0.40
P-498	J-41	J-364	198	CI/R/DI	100	140	0.21	0.32	1.30
P-499	J-449	J-395	190	CI/R/DI	100	140	-0.15	0.22	0.60
P-500	J-215	J-237	220	CI/R/DI	100	140	0.18	0.26	0.90
P-501	J-435	J-211	184	CI/R/DI	100	140	0.07	0.10	0.20
P-502	J-55	J-281	267	CI/R/DI	100	140	-0.43	0.63	4.50
P-503	J-17	J-392	200	CI/R/DI	100	140	0.13	0.20	0.50
P-504	J-475	J-197	205	CI/R/DI	100	140	-0.32	0.48	2.70
P-505	J-476	J-353	202	CI/R/DI	100	140	-0.13	0.19	0.50
P-506	J-477	J-57	206	CI/R/DI	100	140	-0.13	0.19	0.50
P-507	J-156	J-84	208	CI/R/DI	100	140	-0.33	0.49	2.90
P-508	J-257	J-426	228	CI/R/DI	100	140	-0.06	0.09	0.10
P-509	J-188	J-479	217	CI/R/DI	100	140	-0.31	0.46	2.60
P-510	J-316	J-320	215	CI/R/DI	100	140	-0.25	0.36	1.60
P-511	J-6	J-414	212	CI/R/DI	100	140	-0.34	0.49	2.90
P-512	J-133	J-480	219	CI/R/DI	100	140	0.14	0.21	0.60
P-513	J-206	J-481	225	CI/R/DI	100	140	0.14	0.21	0.60
P-514	J-482	J-163	232	CI/R/DI	100	140	0.30	0.44	2.30
P-515	J-630	J-121	237	CI/R/DI	100	140	0.40	0.59	4.10
P-516	J-284	J-89	321	CI/R/DI	100	140	-0.34	0.50	3.00
P-517	J-268	J-323	265	CI/R/DI	100	140	0.15	0.21	0.60
P-518	J-132	J-50	267	CI/R/DI	100	140	-0.17	0.25	0.80
P-519	J-483	J-450	272	CI/R/DI	100	140	-0.17	0.25	0.80
P-520	J-484	J-389	280	CI/R/DI	100	140	0.30	0.44	2.30
P-521	J-351	J-118	370	CI/R/DI	100	140	0.26	0.38	1.80
P-522	J-459	J-259	46	CI/R/DI	100	140	0.03	0.04	0.00
P-523	J-400	J-460	103	CI/R/DI	100	140	-0.08	0.12	0.20
P-524	J-460	J-350	27	CI/R/DI	100	140	0.00	0.00	0.00
P-525	J-48	J-391	43	CI/R/DI	100	140	-0.34	0.51	3.00
P-526	J-391	J-58	36	CI/R/DI	100	140	0.27	0.40	2.00
P-527	J-429	J-161	44	CI/R/DI	100	140	-0.51	0.74	6.20
P-528	J-161	J-430	23	CI/R/DI	100	140	-0.02	0.03	0.00
P-529	J-241	J-272	50	CI/R/DI	100	140	-0.07	0.10	0.10
P-530	J-272	J-274	79	CI/R/DI	100	140	-0.20	0.30	1.10
P-531	J-464	J-240	77	CI/R/DI	100	140	0.11	0.17	0.40
P-532	J-222	J-330	33	CI/R/DI	100	140	0.18	0.27	1.00
P-533	J-320	J-388	118	CI/R/DI	100	140	-0.11	0.16	0.40
P-534	J-16	J-445	130	CI/R/DI	100	140	0.29	0.43	2.20
P-535	J-3	J-212	36	CI/R/DI	100	140	0.31	0.46	2.50
P-536	J-72	J-322	105	CI/R/DI	100	140	-0.06	0.09	0.10
P-537	J-16	J-388	56	CI/R/DI	100	140	-0.31	0.46	2.50

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-538	J-487	J-473	190	CI/R/DI	100	140	0.12	0.17	0.40
P-539	J-487	J-488	127	CI/R/DI	100	140	-0.51	0.75	6.30
P-540	J-487	J-207	131	CI/R/DI	100	140	0.11	0.17	0.40
P-541	J-489	J-488	123	DI/E	100	130	0.23	0.34	1.70
P-542	J-488	J-496	85	CI/R/DI	100	140	-0.49	0.72	5.80
P-543	J-490	J-489	85	CI/R/DI	100	140	0.36	0.54	3.40
P-544	J-491	J-269	164	CI/R/DI	100	140	-0.10	0.15	0.30
P-545	J-203	J-492	209	CI/R/DI	100	140	0.13	0.19	0.50
P-546	J-493	J-255	210	CI/R/DI	100	140	-0.13	0.19	0.50
P-547	J-412	J-502	35	CI/R/DI	100	140	0.02	0.03	0.00
P-548	J-503	J-145	192	CI/R/DI	100	140	-0.22	0.32	1.30
P-549	J-154	J-504	166	CI/R/DI	100	140	0.16	0.23	0.70
P-550	J-503	J-504	84	CI/R/DI	100	140	0.04	0.06	0.10
P-551	J-186	J-277	41	CI/R/DI	100	140	0.43	0.64	4.70
P-552	J-457	J-277	63	CI/R/DI	100	140	0.10	0.14	0.30
P-553	J-136	J-314	54	CI/R/DI	100	140	0.11	0.16	0.40
P-554	J-314	J-344	21	CI/R/DI	100	140	-0.06	0.09	0.10
P-555	J-254	J-367	65	CI/R/DI	100	140	0.08	0.12	0.20
P-556	J-367	J-180	44	CI/R/DI	100	140	-0.30	0.45	2.40
P-557	J-192	J-242	20	CI/R/DI	100	140	0.12	0.18	0.40
P-558	J-242	J-193	13	CI/R/DI	100	140	0.12	0.17	0.40
P-559	J-210	J-475	13	CI/R/DI	100	140	-0.38	0.56	3.80
P-560	J-475	J-462	103	CI/R/DI	100	140	0.08	0.12	0.20
P-561	J-462	J-79	38	CI/R/DI	100	140	-0.38	0.57	3.70
P-562	J-462	J-366	66	CI/R/DI	100	140	0.34	0.50	2.90
P-563	J-438	J-148	139	CI/R/DI	100	140	0.42	0.62	4.40
P-564	J-148	J-294	42	CI/R/DI	100	140	0.25	0.37	1.70
P-565	J-505	J-40	358	PVC/R/DI	100	140	-0.25	0.37	1.70
P-566	J-506	J-300	38	CI/R/DI	100	140	-0.02	0.03	0.00
P-567	J-167	J-507	21	CI/R/DI	100	140	0.01	0.02	0.00
P-568	J-508	J-99	20	CI/R/DI	100	140	-0.01	0.02	0.00
P-569	J-509	J-177	63	CI/R/DI	100	140	-0.14	0.20	0.60
P-570	J-509	J-231	137	CI/R/DI	100	140	0.01	0.02	0.00
P-571	J-486	J-434	527	CI/R/DI	100	140	-0.26	0.38	1.70
P-572	J-399	J-73	136	CI/R/DI	100	140	0.15	0.23	0.70
P-573	J-510	J-162	153	CI/R/DI	100	140	-0.10	0.14	0.30
P-574	J-335	J-511	46	CI/R/DI	100	140	0.02	0.03	0.00
P-575	J-12	J-512	38	CI/R/DI	100	140	0.02	0.03	0.00
P-576	J-513	J-374	47	CI/R/DI	100	140	-0.02	0.03	0.00
P-577	J-374	J-514	73	CI/R/DI	100	140	0.04	0.05	0.00
P-578	J-97	J-515	93	CI/R/DI	100	140	0.05	0.07	0.10
P-579	J-516	J-249	116	CI/R/DI	100	140	-0.26	0.39	1.80
P-580	J-108	J-516	66	CI/R/DI	100	140	-0.15	0.22	0.60
P-581	J-300	J-517	94	CI/R/DI	100	140	0.06	0.09	0.10
P-582	J-208	J-519	51	CI/R/DI	100	140	0.03	0.05	0.00
P-583	J-341	J-521	28	CI/R/DI	100	140	0.02	0.03	0.00
P-584	J-523	J-251	30	CI/R/DI	100	140	-0.02	0.03	0.00
P-585	J-525	J-62	51	CI/R/DI	100	140	-0.03	0.05	0.00
P-586	J-526	J-62	20	CI/R/DI	100	140	-0.01	0.02	0.00

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-587	J-527	J-356	118	DI/E	100	130	-0.07	0.11	0.20
P-588	J-528	J-398	252	CI/R/DI	100	140	-0.16	0.23	0.70
P-589	J-530	J-449	70	CI/R/DI	100	140	-0.04	0.06	0.10
P-590	J-531	J-286	138	CI/R/DI	100	140	-0.09	0.13	0.20
P-591	J-234	J-532	58	CI/R/DI	100	140	0.04	0.05	0.00
P-592	J-533	J-285	59	CI/R/DI	100	140	-0.04	0.05	0.00
P-593	J-456	J-534	86	CI/R/DI	100	140	0.05	0.08	0.10
P-594	J-535	J-130	105	CI/R/DI	100	140	-0.07	0.10	0.10
P-595	J-537	J-406	195	CI/R/DI	100	140	-0.12	0.18	0.50
P-596	J-538	J-334	196	CI/R/DI	100	140	-0.13	0.18	0.50
P-597	J-355	J-539	52	CI/R/DI	100	140	-0.04	0.07	0.10
P-598	J-540	J-312	42	DI/E	100	130	-0.53	0.78	7.70
P-599	J-359	J-541	50	CI/R/DI	100	140	0.12	0.18	0.50
P-600	J-543	J-68	219	CI/R/DI	100	140	-0.11	0.16	0.30
P-601	J-544	J-368	180	CI/R/DI	100	140	-0.09	0.13	0.20
P-602	J-545	J-68	308	DI/E	200	130	0.59	0.22	0.30
P-603	J-5	J-547	178	CI/R/DI	100	140	0.09	0.13	0.20
P-604	J-549	J-143	192	CI/R/DI	100	140	-0.09	0.14	0.30
P-605	J-478	J-550	202	CI/R/DI	100	140	0.10	0.14	0.30
P-606	J-551	J-15	218	CI/R/DI	100	140	-0.11	0.16	0.30
P-607	J-552	J-6	221	CI/R/DI	100	140	-0.11	0.16	0.30
P-608	J-555	J-410	318	CI/R/DI	100	140	-0.27	0.39	1.90
P-609	J-3	J-557	332	CI/R/DI	100	140	0.22	0.33	1.30
P-610	J-439	J-558	340	CI/R/DI	100	140	0.28	0.41	2.00
P-611	J-559	J-471	158	CI/R/DI	100	140	0.08	0.11	0.20
P-612	J-560	J-65	348	CI/R/DI	100	140	-0.21	0.31	1.20
P-613	J-561	J-29	143	CI/R/DI	100	140	-0.09	0.13	0.20
P-614	J-562	J-384	117	CI/R/DI	100	140	-0.07	0.11	0.20
P-615	J-563	J-128	252	CI/R/DI	100	140	-0.16	0.24	0.70
P-616	J-380	J-629	82	CI/R/DI	100	140	-0.49	0.73	5.90
P-617	J-564	J-94	20	CI/R/DI	100	140	-0.01	0.02	0.00
P-618	J-352	J-565	109	DI/E	100	130	0.07	0.10	0.20
P-619	J-330	J-566	95	CI/R/DI	100	140	0.24	0.35	1.50
P-620	J-264	J-567	154	CI/R/DI	100	140	0.35	0.52	3.10
P-621	J-41	J-413	93	CI/R/DI	100	140	0.37	0.54	3.50
P-622	J-413	J-554	219	CI/R/DI	100	140	0.27	0.40	1.90
P-623	J-557	J-558	69	DI/P	100	140	0.11	0.16	0.40
P-624	J-558	J-559	38	DI/P	100	140	0.17	0.25	0.80
P-625	J-559	J-560	54	DI/P	100	140	-0.03	0.04	0.00
P-626	J-560	J-505	70	DI/P	100	140	-0.05	0.07	0.10
P-627	J-555	J-556	59	DI/P	100	140	-0.10	0.15	0.30
P-628	J-6	J-554	103	DI/P	100	140	-0.25	0.37	1.70
P-629	J-554	J-555	46	DI/P	100	140	-0.16	0.24	0.70
P-630	J-437	J-319	92	CI/R/DI	100	140	0.19	0.28	1.00
P-631	J-319	J-270	88	CI/R/DI	100	140	0.05	0.07	0.10
P-632	J-542	J-541	137	DI/P	100	140	0.00	0.00	0.00
P-633	J-541	J-540	118	DI/P	100	140	-0.07	0.11	0.20
P-634	J-540	J-539	76	DI/P	100	140	0.31	0.45	2.40
P-635	J-539	J-568	140	DI/P	100	140	0.09	0.13	0.30

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-636	J-96	J-569	63	DI/E	100	130	-0.35	0.52	3.70
P-637	J-121	J-570	54	CI/R/DI	100	140	0.03	0.05	0.00
P-638	J-120	J-571	75	CI/R/DI	100	140	0.05	0.07	0.10
P-639	J-9	J-419	116	CI/R/DI	100	140	-0.29	0.43	2.20
P-640	J-419	J-54	37	CI/R/DI	100	140	-0.45	0.66	5.00
P-641	J-34	J-572	60	CI/R/DI	100	140	0.04	0.06	0.10
P-642	J-274	J-573	54	CI/R/DI	100	140	0.03	0.05	0.00
P-643	J-574	J-30	35	CI/R/DI	100	140	0.01	0.01	0.00
P-644	J-378	J-574	152	DI/P	100	140	-0.18	0.27	0.90
P-645	J-575	J-30	76	CI/R/DI	100	140	-0.33	0.49	2.80
P-646	J-574	J-575	89	DI/P	100	140	0.30	0.45	2.40
P-647	J-11	J-576	45	CI/R/DI	100	140	-0.34	0.50	3.00
P-648	J-575	J-576	54	DI/P	100	140	0.49	0.73	5.90
P-649	J-576	J-86	62	DI/P	100	140	0.30	0.44	2.30
P-650	J-338	J-7	161	CI/R/DI	100	140	-0.04	0.06	0.10
P-651	J-3	J-577	78	CI/R/DI	100	140	-0.45	0.66	4.90
P-652	J-44	J-578	76	CI/R/DI	100	140	-0.27	0.39	1.90
P-653	J-579	J-283	49	CI/R/DI	100	140	0.14	0.21	0.60
P-654	J-580	J-557	70	DI/P	100	140	0.12	0.17	0.40
P-655	J-580	J-577	326	DI/P	100	140	-0.31	0.45	2.50
P-656	J-577	J-578	72	DI/P	100	140	0.46	0.67	5.10
P-657	J-578	J-579	323	DI/P	100	140	-0.04	0.05	0.00
P-658	J-225	J-617	106	DI/E	100	130	-0.45	0.66	5.60
P-659	J-581	J-26	105	CI/R/DI	100	140	0.48	0.71	5.70
P-660	J-582	J-386	57	CI/R/DI	100	140	0.49	0.73	5.90
P-661	J-309	J-616	72	CI/R/DI	100	140	-0.48	0.70	5.60
P-662	J-316	J-583	53	CI/R/DI	100	140	0.03	0.04	0.00
P-663	J-584	J-97	141	CI/R/DI	100	140	-0.07	0.10	0.20
P-664	J-207	J-465	85	CI/R/DI	100	140	0.03	0.04	0.00
P-665	J-465	J-377	27	CI/R/DI	100	140	-0.27	0.40	1.90
P-666	J-294	J-585	45	CI/R/DI	100	140	0.03	0.04	0.00
P-667	J-586	J-172	18	CI/R/DI	100	140	-0.01	0.02	0.00
P-668	J-587	J-122	27	CI/R/DI	100	140	-0.02	0.02	0.00
P-669	J-102	J-588	25	CI/R/DI	100	140	0.02	0.02	0.00
P-670	J-123	J-589	108	CI/R/DI	100	140	0.07	0.10	0.10
P-671	J-290	J-590	39	CI/R/DI	100	140	0.23	0.33	1.40
P-672	J-590	J-28	13	CI/R/DI	100	140	0.42	0.61	4.40
P-673	J-566	J-567	119	DI/P	100	140	0.11	0.16	0.30
P-674	J-567	J-590	53	DI/P	100	140	0.25	0.37	1.70
P-675	J-592	J-340	49	CI/R/DI	100	140	-0.03	0.04	0.00
P-676	J-322	J-593	88	CI/R/DI	100	140	0.05	0.08	0.10
P-677	J-594	J-322	124	CI/R/DI	100	140	-0.08	0.11	0.20
P-678	J-595	J-4	114	CI/R/DI	100	140	-0.07	0.11	0.20
P-679	J-71	J-596	95	CI/R/DI	100	140	0.06	0.09	0.10
P-680	J-144	J-478	59	CI/R/DI	100	140	0.30	0.44	2.30
P-681	J-478	J-423	13	CI/R/DI	100	140	0.07	0.10	0.20
P-682	J-364	J-369	91	CI/R/DI	100	140	-0.29	0.43	2.20
P-683	J-369	J-482	62	CI/R/DI	100	140	0.25	0.37	1.70
P-684	J-482	J-479	56	CI/R/DI	100	140	-0.21	0.31	1.20

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-685	J-479	J-17	65	CI/R/DI	100	140	0.56	0.82	7.50
P-686	J-430	J-103	38	CI/R/DI	100	140	-0.38	0.56	3.60
P-687	J-103	J-2	37	CI/R/DI	100	140	0.49	0.72	5.90
P-688	J-495	J-166	7	DI/P	150	140	0.74	0.48	1.90
P-689	J-499	J-598	231	DI/P	500	140	25.66	1.51	3.50
P-690	J-598	J-600	322	CI/E	500	80	18.73	1.10	5.50
P-691	J-522	J-524	13	DI/P	500	140	24.92	1.47	4.10
P-692	J-602	J-577	9	DI/P	250	140	1.44	0.34	0.60
P-693	J-499	J-529	539	CI/R/DI	600	140	-25.66	1.05	1.40
P-694	J-529	J-522	762	CI/R/DI	600	140	-33.17	1.36	2.30
P-695	J-294	J-444	23	CI/R/DI	100	140	0.15	0.22	0.70
P-696	J-444	J-520	31	CI/R/DI	100	140	0.02	0.03	0.00
P-697	J-495	J-603	61	CI/E	600	80	6.42	0.26	0.30
P-698	J-603	J-197	7	DI/P	150	140	0.72	0.47	1.80
P-699	J-603	J-604	50	CI/E	600	80	4.73	0.19	0.20
P-700	J-604	J-84	6	DI/P	150	140	0.64	0.42	1.50
P-701	J-604	J-605	133	CI/E	600	80	3.13	0.13	0.10
P-702	J-605	J-494	25	CI/E	600	80	1.21	0.05	0.00
P-703	J-605	J-117	9	DI/P	150	140	0.94	0.61	2.90
P-704	J-604	J-606	228	DI/P	150	140	0.95	0.62	2.80
P-705	J-606	J-155	5	DI/P	100	140	0.25	0.37	1.80
P-706	J-606	J-74	127	DI/P	150	140	0.70	0.46	1.60
P-707	J-243	J-105	82	CI/R/DI	100	140	-0.19	0.28	1.00
P-708	J-105	J-74	49	CI/R/DI	100	140	-0.32	0.46	2.60
P-709	J-603	J-607	196	DI/P	150	140	0.97	0.64	2.90
P-710	J-607	J-475	7	DI/P	150	140	0.34	0.22	0.40
P-711	J-605	J-77	94	DI/P	150	140	0.99	0.65	3.00
P-712	J-494	J-608	58	CI/E	300	80	1.21	0.20	0.40
P-713	J-608	J-29	260	CI/E	300	80	0.36	0.06	0.00
P-714	J-608	J-177	5	DI/P	150	140	0.84	0.55	2.50
P-715	J-607	J-366	168	DI/P	150	140	0.63	0.41	1.30
P-716	J-524	J-609	588	CI/E	400	80	5.65	0.52	1.80
P-717	J-609	J-610	384	DI/P	400	140	5.65	0.52	0.60
P-718	J-611	J-500	299	CI/E	400	80	13.69	1.26	9.10
P-719	J-524	J-611	583	DI/P	400	140	13.69	1.26	3.20
P-720	J-612	J-579	54	CI/E	350	80	0.36	0.04	0.00
P-721	J-612	J-283	6	DI/P	100	140	0.45	0.66	5.30
P-722	J-497	J-613	83	CI/E	350	80	1.74	0.21	0.40
P-723	J-613	J-612	150	CI/E	350	80	0.81	0.10	0.10
P-724	J-613	J-442	6	DI/P	200	140	0.92	0.34	0.70
P-725	J-614	J-602	150	CI/E	400	80	-4.21	0.39	1.00
P-726	J-614	J-439	7	DI/P	200	140	1.26	0.46	1.30
P-727	J-497	J-615	394	CI/E	400	80	-1.74	0.16	0.20
P-728	J-615	J-614	153	CI/E	400	80	-2.96	0.27	0.50
P-729	J-615	J-40	7	DI/P	150	140	1.22	0.80	4.90
P-730	J-617	J-581	74	CI/E	400	80	-0.50	0.05	0.00
P-731	J-581	J-582	78	CI/E	400	80	-1.03	0.09	0.10
P-732	J-582	J-616	185	CI/E	400	80	-2.52	0.23	0.40
P-733	J-618	J-616	7	DI/P	400	140	3.03	0.28	0.30

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-734	J-618	J-619	133	DI/P	250	140	3.87	0.91	3.10
P-735	J-619	J-382	6	DI/P	150	140	0.90	0.59	2.80
P-736	J-619	J-620	58	DI/P	200	140	2.98	1.10	5.70
P-737	J-582	J-307	311	DI/P	150	140	0.97	0.64	2.90
P-738	J-620	J-621	169	DI/P	150	140	0.94	0.62	2.70
P-739	J-621	J-622	119	DI/P	150	140	0.94	0.62	2.70
P-740	J-622	J-82	7	DI/P	150	140	0.33	0.22	0.40
P-741	J-622	J-434	273	DI/P	150	140	0.61	0.40	1.20
P-742	J-620	J-623	113	DI/P	200	140	2.03	0.75	2.80
P-743	J-623	J-315	265	DI/P	200	140	1.17	0.43	1.00
P-744	J-623	J-320	5	DI/P	150	140	0.86	0.56	2.60
P-745	J-545	J-624	5	CI/R/DI	100	140	0.35	0.51	3.30
P-746	J-624	J-7	171	CI/R/DI	100	140	0.26	0.39	1.80
P-747	J-498	J-479	6	DI/P	200	140	1.25	0.46	1.30
P-748	J-440	J-625	145	CI/E	400	80	-0.71	0.07	0.00
P-749	J-625	J-601	198	CI/E	400	80	-2.51	0.23	0.40
P-750	J-625	J-41	5	DI/P	200	140	1.01	0.37	0.90
P-751	J-498	J-626	209	CI/E	300	80	1.82	0.30	0.90
P-752	J-626	J-545	372	CI/E	300	80	0.94	0.15	0.30
P-753	J-500	J-627	260	DI/P	400	140	13.69	1.26	3.30
P-754	J-625	J-414	157	DI/P	150	140	0.79	0.52	2.00
P-755	J-601	J-628	93	CI/E	400	80	4.27	0.39	1.10
P-756	J-628	J-498	107	CI/E	400	80	3.07	0.28	0.60
P-757	J-628	J-369	7	DI/P	150	140	1.20	0.79	4.70
P-758	J-626	J-432	101	DI/P	150	140	0.88	0.58	2.40
P-759	J-392	J-329	12	CI/R/DI	100	140	-0.14	0.21	0.60
P-760	J-329	J-188	51	CI/R/DI	100	140	-0.13	0.20	0.50
P-761	J-267	J-408	115	CI/R/DI	100	140	-0.48	0.70	5.60
P-762	J-408	J-629	80	CI/R/DI	100	140	-0.33	0.49	2.90
P-763	J-631	J-406	4	DI/P	200	140	0.63	0.23	0.40
P-764	J-631	J-632	113	DI/P	250	140	2.94	0.69	1.90
P-765	J-632	J-633	108	DI/P	250	140	2.02	0.48	0.90
P-766	J-633	J-312	6	DI/P	250	140	1.41	0.33	0.60
P-767	J-633	J-327	270	DI/P	150	140	0.60	0.40	1.20
P-768	J-630	J-634	258	DI/P	150	140	1.12	0.73	3.70
P-769	J-634	J-120	4	DI/P	100	140	0.35	0.51	3.40
P-770	J-634	J-56	144	DI/P	150	140	0.77	0.50	1.90
P-771	J-569	J-635	63	DI/P	300	140	6.72	1.10	3.60
P-772	J-635	J-630	14	DI/P	300	140	6.34	1.04	3.50
P-773	J-635	J-96	6	DI/P	150	140	0.38	0.25	0.50
P-774	J-630	J-636	63	DI/P	250	140	4.67	1.10	4.50
P-775	J-636	J-631	112	DI/P	250	140	3.56	0.84	2.70
P-776	J-636	J-14	5	DI/P	100	140	0.53	0.78	7.30
P-777	J-632	J-362	110	DI/P	150	140	0.92	0.60	2.60
P-778	J-90	J-501	147	DI/P	100	140	0.06	0.09	0.10
P-779	J-501	J-186	55	DI/P	100	140	0.70	1.04	11.50
P-780	J-637	J-501	6	CI/E	500	80	0.77	0.05	0.00
P-781	J-638	J-213	7	DI/P	150	140	-0.04	0.03	0.00
P-782	J-637	J-639	108	DI/P	250	140	5.11	1.20	5.20

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Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-783	J-639	J-640	87	DI/P	150	140	1.01	0.66	3.10
P-784	J-640	J-274	6	DI/P	150	140	0.52	0.34	1.00
P-785	J-640	J-241	126	DI/P	150	140	0.49	0.32	0.80
P-786	J-599	J-641	109	DI/P	200	140	2.12	0.78	3.00
P-787	J-641	J-642	136	DI/P	150	140	1.03	0.68	3.20
P-788	J-642	J-253	9	DI/P	150	140	0.62	0.41	1.30
P-789	J-642	J-180	155	DI/P	150	140	0.41	0.27	0.60
P-790	J-638	J-643	70	DI/P	150	140	0.50	0.33	0.90
P-791	J-643	J-193	7	DI/P	150	140	0.00	0.00	0.00
P-792	J-643	J-353	101	DI/P	150	140	0.51	0.33	0.90
P-793	J-641	J-644	260	DI/P	200	140	1.09	0.40	0.90
P-794	J-644	J-250	5	DI/P	200	140	1.09	0.40	1.00
P-795	J-645	J-599	75	CI/E	500	80	8.79	0.52	1.40
P-796	J-645	J-119	7	DI/P	200	140	2.05	0.75	3.20
P-797	J-119	J-304	69	CI/R/DI	100	140	0.41	0.60	4.20
P-798	J-384	J-645	244	DI/P	150	140	-0.78	0.51	1.90
P-799	J-136	J-646	24	CI/R/DI	100	140	-0.38	0.55	3.60
P-800	J-646	J-345	55	CI/R/DI	100	140	-0.41	0.60	4.10
P-801	J-373	J-646	57	CI/R/DI	100	140	0.36	0.53	3.40
P-802	J-646	J-344	53	CI/R/DI	100	140	0.27	0.40	2.00
P-803	J-647	J-345	62	CI/R/DI	100	140	0.34	0.50	3.00
P-804	J-128	J-119	24	CI/R/DI	150	140	-0.76	0.49	1.80
P-805	J-599	J-648	88	CI/E	500	80	6.66	0.39	0.80
P-806	J-648	J-637	145	CI/E	500	80	5.88	0.35	0.60
P-807	J-648	J-90	5	DI/P	100	140	0.78	1.16	15.30
P-808	J-373	J-647	54	CI/R/DI	100	140	-0.40	0.59	4.10
P-809	J-647	J-119	20	CI/R/DI	100	140	-0.83	1.22	15.80
P-810	J-629	J-649	76	DI/P	300	140	5.99	0.98	2.90
P-811	J-650	J-53	8	DI/P	200	140	0.69	0.26	0.40
P-812	J-649	J-651	258	DI/P	250	140	2.93	0.69	1.80
P-813	J-651	J-31	4	DI/P	150	140	1.29	0.84	5.60
P-814	J-650	J-652	405	DI/P	150	140	0.80	0.52	2.00
P-815	J-652	J-400	7	DI/P	100	140	0.27	0.40	2.10
P-816	J-652	J-653	250	DI/P	150	140	0.52	0.34	0.90
P-817	J-653	J-220	4	DI/P	100	140	-0.15	0.22	0.70
P-818	J-653	J-42	125	DI/P	150	140	0.67	0.44	1.40
P-819	J-651	J-654	210	DI/P	150	140	0.97	0.63	2.90
P-820	J-654	J-576	42	DI/P	150	140	0.25	0.16	0.20
P-821	J-654	J-87	110	DI/P	150	140	0.72	0.47	1.70
P-822	J-649	J-408	8	DI/P	150	140	0.68	0.45	1.60
P-823	J-655	J-650	137	DI/P	200	140	1.49	0.55	1.60
P-824	J-655	J-271	6	DI/P	150	140	0.35	0.23	0.50
P-825	J-649	J-656	66	DI/P	200	140	2.39	0.88	3.80
P-826	J-656	J-655	77	DI/P	200	140	1.84	0.68	2.30
P-827	J-656	J-265	6	DI/P	150	140	0.55	0.36	1.10
P-828	J-518	J-657	771	CI/E	525	80	-5.28	0.28	0.40
P-829	J-657	J-658	237	DI/P	250	140	3.88	0.91	3.10
P-830	J-659	J-409	6	DI/P	100	140	0.51	0.75	6.80
P-831	J-660	J-91	32	CI/R/DI	100	140	-0.02	0.03	0.00

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-832	J-659	J-371	138	DI/P	150	140	0.62	0.41	1.30
P-833	J-658	J-256	117	DI/P	200	140	0.77	0.29	0.50
P-834	J-438	J-658	8	DI/P	150	140	-1.12	0.73	4.10
P-835	J-658	J-661	153	DI/P	200	140	1.99	0.73	2.70
P-836	J-661	J-659	102	DI/P	200	140	1.14	0.42	1.00
P-837	J-661	J-113	6	DI/P	150	140	0.85	0.55	2.50
P-838	J-662	J-260	5	DI/P	200	140	1.29	0.48	1.40
P-839	J-662	J-663	61	DI/P	200	140	2.00	0.74	2.70
P-840	J-664	J-377	7	DI/P	100	140	0.17	0.25	0.90
P-841	J-664	J-207	116	DI/P	150	140	0.37	0.24	0.50
P-842	J-663	J-665	54	DI/P	150	140	0.95	0.62	2.80
P-843	J-665	J-664	82	DI/P	150	140	0.55	0.36	1.00
P-844	J-665	J-666	130	DI/P	150	140	0.40	0.26	0.60
P-845	J-666	J-32	5	DI/P	150	140	0.40	0.26	0.60
P-846	J-663	J-667	49	DI/P	150	140	0.68	0.44	1.50
P-847	J-667	J-59	5	DI/P	150	140	0.20	0.13	0.20
P-848	J-667	J-101	88	DI/P	150	140	0.47	0.31	0.80
P-849	J-663	J-391	5	DI/P	150	140	0.38	0.25	0.60
P-850	J-518	J-668	214	DI/P	250	140	4.33	1.02	3.80
P-851	J-668	J-662	35	DI/P	250	140	3.30	0.78	2.40
P-852	J-668	J-203	64	DI/P	150	140	1.03	0.67	3.20
P-853	J-496	J-490	101	CI/E	525	80	-0.54	0.03	0.00
P-854	J-490	J-518	43	CI/E	525	80	-0.96	0.05	0.00
P-855	J-669	J-103	6	DI/P	200	140	1.35	0.50	1.50
P-856	J-669	J-670	86	DI/P	250	140	2.33	0.55	1.20
P-857	J-670	J-671	127	DI/P	150	140	0.86	0.56	2.30
P-858	J-671	J-39	9	DI/P	150	140	0.37	0.24	0.50
P-859	J-671	J-356	133	DI/P	150	140	0.49	0.32	0.80
P-860	J-672	J-161	6	DI/P	150	140	0.97	0.64	3.20
P-861	J-669	J-672	52	DI/P	200	140	1.90	0.70	2.50
P-862	J-158	J-673	94	CI/R/DI	100	140	-0.21	0.31	1.20
P-863	J-673	J-36	11	CI/R/DI	100	140	0.07	0.10	0.10
P-864	J-672	J-673	49	DI/P	150	140	0.92	0.60	2.60
P-865	J-673	J-200	100	DI/P	150	140	0.58	0.38	1.10
P-866	J-670	J-674	40	DI/P	200	140	1.48	0.54	1.60
P-867	J-674	J-89	58	DI/P	150	140	0.84	0.55	2.20
P-868	J-674	J-169	222	DI/P	150	140	0.63	0.42	1.30
P-869	J-675	J-357	270	CI/R/DI	100	140	-0.17	0.25	0.80
P-870	J-676	J-677	284	DI/P	300	140	5.52	0.90	2.50
P-871	J-677	J-390	7	DI/P	150	140	1.05	0.69	3.70
P-872	J-678	J-55	8	CI/E	300	80	0.96	0.16	0.30
P-873	J-678	J-245	196	DI/P	150	140	1.16	0.76	4.00
P-874	J-679	J-247	7	DI/P	150	140	0.49	0.32	0.90
P-875	J-679	J-223	131	DI/P	150	140	0.55	0.36	1.00
P-876	J-678	J-680	20	DI/P	200	140	2.25	0.83	3.50
P-877	J-680	J-679	92	DI/P	200	140	1.87	0.69	2.40
P-878	J-679	J-264	107	DI/P	150	140	0.82	0.54	2.10
P-879	J-546	J-681	38	CI/E	300	80	5.45	0.89	6.80
P-880	J-681	J-395	7	DI/P	150	140	0.40	0.26	0.60

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-881	J-676	J-682	79	DI/E	200	130	1.99	0.73	3.10
P-882	J-682	J-684	286	DI/E	200	130	1.52	0.56	1.90
P-883	J-682	J-484	5	DI/P	150	140	0.47	0.31	0.80
P-884	J-681	J-683	59	CI/E	300	80	4.62	0.76	5.00
P-885	J-683	J-678	269	CI/E	300	80	4.37	0.72	4.50
P-886	J-683	J-281	7	DI/P	150	140	0.25	0.16	0.30
P-887	J-681	J-449	200	DI/P	150	140	0.43	0.28	0.60
P-888	J-677	J-357	166	DI/P	150	140	0.54	0.35	1.00
P-889	J-677	J-684	59	DI/P	300	140	3.93	0.64	1.30
P-890	J-684	J-546	25	DI/P	300	140	5.45	0.89	2.50
P-891	J-651	J-574	53	DI/P	150	140	0.67	0.44	1.50
P-892	J-639	J-685	32	DI/P	200	140	4.09	1.51	10.50
P-893	J-685	J-638	34	DI/P	200	140	0.46	0.17	0.20
P-894	J-685	TNSCB-REDDIKUPPAM	20	DI/P	150	140	3.64	2.38	34.50
P-895	FCV-1 (W-133)	J-657	9	CI/E	525	80	9.16	0.49	1.30
P-896	J-522	FCV-1 (W-133)	50	CI/E	525	80	9.16	0.49	1.20
P-897	J-522	FCV-2 (W-133)	366	CI/E	400	80	7.15	0.66	2.70
P-898	FCV-2 (W-133)	J-495	5	CI/E	400	80	7.15	0.66	3.20
P-899	J-524	FCV-3 (W-133)	142	DI/P	250	140	5.58	1.32	6.10
P-900	FCV-3 (W-133)	J-669	14	DI/P	250	140	5.58	1.32	6.70
P-901	J-529	FCV-4 (W-133)	5	DI/P	300	140	7.52	1.23	5.90
P-902	FCV-4 (W-133)	J-676	2	DI/P	300	140	7.52	1.23	9.40
P-903	FCV-5 (W-135)	J-602	3	CI/E	400	80	5.65	0.52	2.20
P-904	FCV-5 (W-135)	J-610	8	CI/E	400	80	-5.65	0.52	1.90
P-905	J-627	FCV-6 (W-135)	7	DI/P	400	140	6.78	0.62	1.20
P-906	FCV-6 (W-135)	J-601	5	DI/P	400	140	6.78	0.62	1.30
P-907	J-627	FCV-7 (W-135)	15	DI/P	400	140	6.91	0.64	1.00
P-908	FCV-7 (W-135)	J-618	3	DI/P	400	140	6.91	0.64	1.50
P-909	J-600	FCV-8 (W-140)	15	CI/E	500	80	11.62	0.68	2.40
P-910	FCV-8 (W-140)	J-645	5	CI/E	500	80	11.62	0.68	2.80

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	**Start Node**	**Stop Node**	**Length (Scaled) (m)**	**Material**	**Diameter (mm)**	**Hazen-Williams C**	**Flow (MLD)**	**Velocity (m/s)**	**Headloss Gradient (m/km)**
P-911	FCV-9 (W-140)	J-629	11	CI/E	500	80	6.92	0.41	0.90
P-912	FCV-9 (W-140)	J-598	57	CI/E	500	80	-6.92	0.41	0.90
P-913	FCV-10 (W-140)	J-569	4	DI/P	300	140	7.11	1.16	5.70
P-914	FCV-10 (W-140)	J-600	245	DI/P	300	140	-7.11	1.16	3.90
P-915	J-148	J-149	31	CI/R/DI	100	140	0.06	0.09	0.10
P-916	J-12	J-374	116	CI/R/DI	100	140	-0.09	0.14	0.30
P-917	J-548	J-358	49	CI/R/DI	100	140	-0.07	0.10	0.20
P-918	J-218	SCV-9	4	DI/P	100	140	0.00	0.00	0.00
P-919	SCV-9	J-686	3	DI/P	100	140	0.00	0.00	0.00
P-920	6ML	J-522	1,711	DI/P	900	140	74.40	1.35	1.40
P-921	J-151	J-436	31	CI/R/DI	100	140	0.21	0.31	1.20
P-922	J-436	J-164	51	CI/R/DI	100	140	0.48	0.71	5.70
P-923	R-7	PMP-5	9	DI/P	800	140	52.99	1.22	1.40
P-924	PMP-5	J-687	4	DI/P	800	140	52.99	1.22	1.40
P-925	J-687	6ML	34	DI/P	600	140	0.00	0.00	0.00
P-926	J-25	SCV-1	7	CI/R/DI	100	140	-0.30	0.44	2.50
P-927	SCV-1	J-207	34	CI/R/DI	100	140	-0.30	0.44	2.30
P-928	J-203	SCV-2	7	CI/R/DI	100	140	0.31	0.45	2.60
P-929	SCV-2	J-459	3	CI/R/DI	100	140	0.31	0.45	2.80
P-930	J-597	SCV-3	11	CI/R/DI	100	140	-0.03	0.05	0.00
P-931	SCV-3	J-405	44	CI/R/DI	100	140	-0.03	0.05	0.00
P-932	J-230	SCV-4	10	CI/R/DI	100	140	-0.02	0.03	0.00
P-933	SCV-4	J-231	27	CI/R/DI	100	140	-0.02	0.03	0.00
P-934	J-553	SCV-5	13	CI/R/DI	100	140	-0.05	0.07	0.10
P-935	SCV-5	J-118	62	CI/R/DI	100	140	-0.05	0.07	0.10
P-936	J-183	SCV-6	22	CI/R/DI	100	140	0.30	0.45	2.40
P-937	SCV-6	J-93	6	CI/R/DI	100	140	0.30	0.45	2.60
P-938	J-536	SCV-7	10	CI/R/DI	100	140	-0.07	0.10	0.20
P-939	SCV-7	J-456	100	CI/R/DI	100	140	-0.07	0.10	0.20
P-940	J-390	SCV-8	7	CI/R/DI	100	140	0.17	0.25	0.90
P-941	SCV-8	J-485	270	CI/R/DI	100	140	0.17	0.25	0.80
P-942	J-426	SCV-10	6	CI/R/DI	100	140	-0.37	0.55	3.70
P-943	SCV-10	J-40	83	CI/R/DI	100	140	-0.37	0.55	3.50
P-944	J-440	SCV-11	5	CI/R/DI	100	140	0.29	0.42	2.30
P-945	SCV-11	J-556	317	CI/R/DI	100	140	0.29	0.42	2.10
P-946	J-143	SCV-12	15	CI/R/DI	100	140	0.18	0.26	0.90
P-947	SCV-12	J-144	11	CI/R/DI	100	140	0.18	0.26	0.90
P-948	J-211	SCV-13	3	DI/E	100	130	-0.09	0.14	0.30
P-949	SCV-13	J-415	150	DI/E	100	130	-0.09	0.14	0.30
P-950	J-349	SCV-14	5	CI/R/DI	100	140	-0.03	0.04	0.00
P-951	SCV-14	J-81	47	CI/R/DI	100	140	-0.03	0.04	0.00
P-952	J-591	SCV-15	8	CI/R/DI	100	140	-0.03	0.05	0.00
P-953	SCV-15	J-305	45	CI/R/DI	100	140	-0.03	0.05	0.00
P-954	J-272	SCV-16	5	CI/R/DI	100	140	0.03	0.04	0.00
P-955	SCV-16	J-273	35	CI/R/DI	100	140	0.03	0.04	0.00

PIPE TABLE-KK NAGAR WDS-05 PROPOSED OHT									
Label	**Start Node**	**Stop Node**	**Length (Scaled) (m)**	**Material**	**Diameter (mm)**	**Hazen-Williams C**	**Flow (MLD)**	**Velocity (m/s)**	**Headloss Gradient (m/km)**
P-956	J-504	SCV-17	25	CI/R/DI	100	140	0.02	0.03	0.00
P-957	SCV-17	J-474	8	CI/R/DI	100	140	0.02	0.03	0.00
P-958	J-380	SCV-18	51	CI/R/DI	100	140	0.04	0.06	0.10
P-959	SCV-18	J-393	9	CI/R/DI	100	140	0.04	0.06	0.10
P-960	J-467	SCV-19	8	CI/R/DI	100	140	-0.09	0.13	0.30
P-961	SCV-19	J-354	130	CI/R/DI	100	140	-0.09	0.13	0.20
P-962	J-542	SCV-20	6	CI/R/DI	100	140	-0.12	0.18	0.50
P-963	SCV-20	J-327	45	CI/R/DI	100	140	-0.12	0.18	0.40

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-1	8.65	0.24	21.00
J-2	8.24	0.12	22.00
J-3	7.22	0.25	23.00
J-4	7.70	0.16	22.00
J-5	8.17	0.22	17.00
J-6	7.11	0.29	18.00
J-7	8.25	0.22	17.00
J-8	8.19	0.19	22.00
J-9	7.11	0.17	20.00
J-10	7.61	0.17	20.00
J-11	7.63	0.25	19.00
J-12	7.40	0.10	17.00
J-13	7.80	0.23	22.00
J-14	6.99	0.17	18.00
J-15	7.15	0.24	18.00
J-16	6.65	0.10	18.00
J-17	8.10	0.16	17.00
J-18	7.26	0.08	19.00
J-19	7.72	0.21	22.00
J-20	6.37	0.09	19.00
J-21	6.78	0.12	19.00
J-22	7.06	0.12	23.00
J-23	7.68	0.09	18.00
J-24	7.81	0.15	18.00
J-25	7.13	0.17	23.00
J-26	6.71	0.10	19.00
J-27	6.50	0.13	19.00
J-28	7.24	0.09	19.00
J-29	7.58	0.12	23.00
J-30	7.07	0.08	20.00
J-31	7.26	0.12	20.00
J-32	7.43	0.16	22.00
J-33	8.20	0.21	18.00
J-34	7.59	0.07	18.00
J-35	7.46	0.14	18.00
J-36	8.48	0.03	22.00
J-37	8.66	0.10	22.00
J-38	7.63	0.09	23.00
J-39	7.86	0.08	22.00
J-40	7.15	0.25	23.00
J-41	7.10	0.17	19.00
J-42	7.56	0.11	19.00
J-43	6.60	0.10	23.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-44	6.61	0.06	23.00
J-45	8.17	0.01	22.00
J-46	8.74	0.06	22.00
J-47	7.93	0.11	22.00
J-48	7.09	0.07	23.00
J-49	6.85	0.09	17.00
J-50	7.05	0.21	17.00
J-51	7.06	0.11	19.00
J-52	7.08	0.11	19.00
J-53	7.16	0.12	20.00
J-54	7.07	0.05	20.00
J-55	8.23	0.34	19.00
J-56	7.25	0.07	17.00
J-57	6.93	0.16	17.00
J-58	7.69	0.11	22.00
J-59	7.78	0.09	22.00
J-60	6.51	0.18	19.00
J-61	6.55	0.08	18.00
J-62	8.22	0.05	22.00
J-63	8.33	0.05	22.00
J-64	7.08	0.07	23.00
J-65	7.05	0.21	23.00
J-66	8.10	0.05	17.00
J-67	8.02	0.07	17.00
J-68	8.22	0.14	17.00
J-69	8.78	0.01	20.00
J-70	8.58	0.05	20.00
J-71	7.53	0.17	21.00
J-72	7.62	0.11	21.00
J-73	7.67	0.16	17.00
J-74	7.83	0.13	22.00
J-75	7.65	0.08	22.00
J-76	7.83	0.07	22.00
J-77	7.97	0.08	22.00
J-78	7.83	0.22	22.00
J-79	8.66	0.24	21.00
J-80	7.53	0.27	18.00
J-81	6.65	0.05	18.00
J-82	6.68	0.06	18.00
J-83	7.65	0.11	23.00
J-84	7.58	0.20	23.00
J-85	7.69	0.06	23.00
J-86	7.61	0.11	19.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-87	7.48	0.09	19.00
J-88	6.60	0.08	18.00
J-89	7.69	0.26	23.00
J-90	7.65	0.23	19.00
J-91	8.07	0.05	22.00
J-92	8.33	0.16	21.00
J-93	7.56	0.09	23.00
J-94	7.01	0.07	20.00
J-95	7.19	0.14	20.00
J-96	7.06	0.21	18.00
J-97	8.28	0.16	16.00
J-98	7.10	0.19	23.00
J-99	8.93	0.05	21.00
J-100	8.06	0.12	22.00
J-101	8.53	0.10	21.00
J-102	8.86	0.10	21.00
J-103	8.55	0.06	22.00
J-104	7.58	0.09	22.00
J-105	7.58	0.15	22.00
J-106	7.05	0.26	23.00
J-107	8.06	0.12	18.00
J-108	8.13	0.09	17.00
J-109	7.77	0.19	18.00
J-110	8.14	0.01	17.00
J-111	7.67	0.10	22.00
J-112	8.01	0.18	22.00
J-113	8.17	0.14	22.00
J-114	6.75	0.11	23.00
J-115	6.54	0.08	23.00
J-116	7.85	0.08	23.00
J-117	7.88	0.07	23.00
J-118	7.05	0.32	22.00
J-119	7.60	0.06	19.00
J-120	7.02	0.09	17.00
J-121	7.11	0.20	17.00
J-122	8.11	0.06	22.00
J-123	8.16	0.14	22.00
J-124	7.45	0.05	18.00
J-125	7.60	0.08	17.00
J-126	7.64	0.13	19.00
J-127	7.54	0.12	19.00
J-128	7.17	0.19	19.00
J-129	8.65	0.01	20.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-130	7.16	0.11	20.00
J-131	7.16	0.10	20.00
J-132	7.21	0.22	17.00
J-133	7.02	0.18	17.00
J-134	7.72	0.09	18.00
J-135	7.58	0.08	18.00
J-136	7.42	0.07	18.00
J-137	7.61	0.01	23.00
J-138	8.84	0.10	22.00
J-139	7.04	0.13	20.00
J-140	7.17	0.08	17.00
J-141	7.02	0.11	17.00
J-142	7.81	0.02	22.00
J-143	7.08	0.12	18.00
J-144	7.03	0.13	18.00
J-145	7.68	0.20	18.00
J-146	8.02	0.14	18.00
J-147	8.10	0.18	18.00
J-148	8.46	0.11	22.00
J-149	8.99	0.06	21.00
J-150	7.88	0.10	22.00
J-151	7.74	0.04	22.00
J-152	7.76	0.15	22.00
J-153	7.31	0.13	19.00
J-154	7.76	0.16	18.00
J-155	7.67	0.14	22.00
J-156	7.58	0.17	22.00
J-157	6.51	0.08	18.00
J-158	8.28	0.12	22.00
J-159	8.70	0.11	22.00
J-160	7.74	0.02	17.00
J-161	8.60	0.06	22.00
J-162	7.54	0.15	17.00
J-163	7.09	0.14	18.00
J-164	7.66	0.07	22.00
J-165	8.58	0.16	22.00
J-166	8.64	0.11	22.00
J-167	7.52	0.09	22.00
J-168	7.56	0.14	22.00
J-169	7.60	0.13	23.00
J-170	8.04	0.02	22.00
J-171	8.26	0.16	21.00
J-172	8.29	0.14	22.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-173	7.36	0.17	17.00
J-174	7.64	0.10	17.00
J-175	8.11	0.07	17.00
J-176	7.61	0.11	18.00
J-177	7.65	0.19	23.00
J-178	7.56	0.11	17.00
J-179	7.41	0.11	17.00
J-180	7.75	0.08	18.00
J-181	7.63	0.02	18.00
J-182	7.57	0.10	23.00
J-183	7.67	0.10	23.00
J-184	8.11	0.05	17.00
J-185	8.17	0.07	17.00
J-186	7.76	0.20	18.00
J-187	7.06	0.12	17.00
J-188	8.13	0.15	17.00
J-189	8.01	0.02	17.00
J-190	7.49	0.10	22.00
J-191	8.16	0.02	17.00
J-192	7.73	0.18	17.00
J-193	7.63	0.09	18.00
J-194	8.67	0.02	21.00
J-195	7.21	0.11	18.00
J-196	7.21	0.10	18.00
J-197	7.70	0.17	23.00
J-198	6.70	0.07	23.00
J-199	6.59	0.09	23.00
J-200	8.06	0.10	22.00
J-201	7.66	0.11	23.00
J-202	8.27	0.11	22.00
J-203	8.11	0.16	22.00
J-204	7.63	0.13	22.00
J-205	7.60	0.20	22.00
J-206	7.28	0.19	16.00
J-207	7.11	0.16	23.00
J-208	8.43	0.16	21.00
J-209	8.97	0.02	21.00
J-210	7.73	0.11	22.00
J-211	6.27	0.16	19.00
J-212	7.03	0.07	23.00
J-213	7.51	0.13	18.00
J-214	8.85	0.15	17.00
J-215	8.80	0.18	18.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-216	8.34	0.17	22.00
J-217	6.36	0.07	23.00
J-218	6.05	0.09	24.00
J-219	7.63	0.10	23.00
J-220	7.55	0.11	19.00
J-221	8.22	0.09	18.00
J-222	8.19	0.11	18.00
J-223	8.11	0.14	19.00
J-224	8.22	0.14	18.00
J-225	6.60	0.16	19.00
J-226	8.70	0.02	21.00
J-227	8.99	0.19	21.00
J-228	6.54	0.11	23.00
J-229	7.70	0.02	17.00
J-230	7.52	0.02	23.00
J-231	7.73	0.14	23.00
J-232	7.62	0.06	18.00
J-233	8.02	0.02	17.00
J-234	8.79	0.11	18.00
J-235	8.55	0.12	22.00
J-236	8.14	0.09	22.00
J-237	8.09	0.19	18.00
J-238	7.52	0.11	23.00
J-239	7.59	0.02	23.00
J-240	7.59	0.15	22.00
J-241	7.73	0.15	17.00
J-242	7.59	0.09	18.00
J-243	7.10	0.18	22.00
J-244	7.47	0.02	18.00
J-245	8.03	0.12	18.00
J-246	7.54	0.11	17.00
J-247	8.11	0.14	19.00
J-248	8.29	0.10	19.00
J-249	8.06	0.13	18.00
J-250	8.03	0.15	18.00
J-251	8.66	0.09	22.00
J-252	7.63	0.06	23.00
J-253	7.74	0.15	18.00
J-254	7.73	0.13	18.00
J-255	8.60	0.22	21.00
J-256	8.33	0.08	22.00
J-257	6.32	0.15	23.00
J-258	6.67	0.12	23.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-259	7.45	0.08	23.00
J-260	7.45	0.09	23.00
J-261	7.69	0.03	18.00
J-262	7.54	0.19	18.00
J-263	8.26	0.21	18.00
J-264	8.07	0.15	19.00
J-265	7.58	0.15	20.00
J-266	7.90	0.14	20.00
J-267	7.10	0.19	20.00
J-268	6.40	0.23	18.00
J-269	7.16	0.18	23.00
J-270	6.34	0.12	23.00
J-271	7.09	0.16	20.00
J-272	7.44	0.11	18.00
J-273	7.58	0.03	18.00
J-274	7.61	0.11	18.00
J-275	7.05	0.11	18.00
J-276	7.10	0.11	18.00
J-277	7.79	0.14	18.00
J-278	7.55	0.20	23.00
J-279	7.10	0.03	20.00
J-280	8.24	0.03	20.00
J-281	8.23	0.23	20.00
J-282	7.16	0.19	20.00
J-283	6.16	0.08	24.00
J-284	7.14	0.24	22.00
J-285	8.09	0.23	18.00
J-286	8.58	0.16	20.00
J-287	7.76	0.09	22.00
J-288	6.31	0.02	19.00
J-289	6.59	0.09	18.00
J-290	8.27	0.17	18.00
J-291	7.12	0.14	23.00
J-292	7.69	0.03	22.00
J-293	7.05	0.16	20.00
J-294	8.65	0.07	21.00
J-295	6.31	0.09	23.00
J-296	6.50	0.02	23.00
J-297	8.77	0.03	21.00
J-298	6.66	0.02	23.00
J-299	7.82	0.03	23.00
J-300	8.64	0.15	21.00
J-301	7.73	0.15	17.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-302	7.19	0.15	17.00
J-303	7.01	0.19	17.00
J-304	7.57	0.13	19.00
J-305	7.58	0.11	19.00
J-306	7.82	0.13	18.00
J-307	6.51	0.09	19.00
J-308	6.74	0.09	19.00
J-309	6.52	0.17	19.00
J-310	6.75	0.09	18.00
J-311	6.79	0.09	23.00
J-312	6.47	0.14	18.00
J-313	7.67	0.13	18.00
J-314	7.69	0.11	18.00
J-315	8.16	0.09	17.00
J-316	7.70	0.20	17.00
J-317	6.76	0.02	18.00
J-318	6.71	0.15	18.00
J-319	6.69	0.11	23.00
J-320	6.52	0.18	18.00
J-321	6.52	0.17	18.00
J-322	7.58	0.31	21.00
J-323	6.98	0.23	17.00
J-324	8.79	0.03	22.00
J-325	8.27	0.11	16.00
J-326	8.19	0.12	18.00
J-327	6.81	0.16	17.00
J-328	7.56	0.20	22.00
J-329	8.10	0.06	17.00
J-330	8.23	0.12	18.00
J-331	7.70	0.12	22.00
J-332	7.79	0.03	19.00
J-333	7.13	0.10	20.00
J-334	7.03	0.20	17.00
J-335	7.76	0.10	16.00
J-336	6.51	0.10	23.00
J-337	6.67	0.08	23.00
J-338	8.27	0.11	17.00
J-339	8.26	0.14	17.00
J-340	8.68	0.10	21.00
J-341	8.31	0.08	21.00
J-342	6.64	0.12	23.00
J-343	6.71	0.02	18.00
J-344	7.59	0.10	18.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-345	7.55	0.14	18.00
J-346	7.51	0.16	18.00
J-347	6.91	0.12	17.00
J-348	7.06	0.04	17.00
J-349	6.43	0.03	18.00
J-350	7.48	0.09	19.00
J-351	7.74	0.37	22.00
J-352	7.01	0.15	17.00
J-353	7.54	0.21	18.00
J-354	6.71	0.16	17.00
J-355	6.65	0.15	17.00
J-356	7.87	0.20	22.00
J-357	8.60	0.22	20.00
J-358	8.72	0.07	17.00
J-359	6.54	0.21	17.00
J-360	6.76	0.09	23.00
J-361	7.41	0.21	18.00
J-362	7.03	0.18	17.00
J-363	6.55	0.09	23.00
J-364	7.01	0.17	19.00
J-365	7.19	0.03	18.00
J-366	8.88	0.19	21.00
J-367	7.58	0.13	18.00
J-368	8.01	0.15	17.00
J-369	7.14	0.10	19.00
J-370	7.07	0.16	18.00
J-371	8.87	0.23	21.00
J-372	8.18	0.15	22.00
J-373	8.11	0.17	18.00
J-374	8.21	0.09	16.00
J-375	8.96	0.14	21.00
J-376	8.91	0.04	22.00
J-377	7.78	0.13	22.00
J-378	7.33	0.24	20.00
J-379	7.59	0.04	21.00
J-380	7.40	0.13	20.00
J-381	7.05	0.03	18.00
J-382	6.43	0.13	19.00
J-383	7.11	0.12	19.00
J-384	8.12	0.21	18.00
J-385	8.09	0.04	19.00
J-386	6.72	0.14	19.00
J-387	6.70	0.14	23.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-388	6.52	0.18	18.00
J-389	8.09	0.25	21.00
J-390	8.06	0.26	21.00
J-391	7.98	0.09	22.00
J-392	8.04	0.13	17.00
J-393	7.02	0.04	21.00
J-394	7.35	0.16	19.00
J-395	8.17	0.19	20.00
J-396	7.59	0.19	22.00
J-397	7.64	0.17	22.00
J-398	7.81	0.20	22.00
J-399	6.77	0.17	18.00
J-400	7.10	0.17	19.00
J-401	7.03	0.04	20.00
J-402	7.64	0.04	18.00
J-403	7.84	0.05	22.00
J-404	7.19	0.14	19.00
J-405	7.28	0.18	22.00
J-406	7.11	0.24	17.00
J-407	8.36	0.04	22.00
J-408	7.35	0.17	21.00
J-409	8.27	0.17	22.00
J-410	7.12	0.22	19.00
J-411	7.78	0.04	17.00
J-412	7.25	0.07	17.00
J-413	7.16	0.19	18.00
J-414	7.02	0.21	19.00
J-415	6.60	0.17	18.00
J-416	6.68	0.10	18.00
J-417	6.56	0.03	23.00
J-418	7.07	0.16	20.00
J-419	7.01	0.14	20.00
J-420	7.17	0.04	19.00
J-421	8.25	0.04	19.00
J-422	6.72	0.03	18.00
J-423	7.01	0.09	18.00
J-424	7.54	0.04	22.00
J-425	6.93	0.04	20.00
J-426	6.31	0.21	23.00
J-427	7.31	0.26	18.00
T HILLS 150	7.16	0.05	17.00
J-428	7.18	0.04	18.00
J-429	8.47	0.27	22.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-430	8.23	0.09	22.00
J-431	7.20	0.05	20.00
J-432	8.11	0.11	17.00
J-433	6.78	0.14	18.00
J-434	7.10	0.37	17.00
J-435	6.71	0.18	18.00
J-436	7.65	0.05	22.00
J-437	6.09	0.08	24.00
J-438	8.68	0.19	22.00
J-439	7.24	0.24	23.00
J-440	6.77	0.19	19.00
J-441	7.73	0.18	17.00
J-442	6.07	0.12	24.00
J-443	8.75	0.05	21.00
J-444	8.44	0.08	22.00
J-445	6.64	0.17	18.00
J-446	6.59	0.05	18.00
J-447	8.08	0.18	22.00
J-448	7.40	0.05	23.00
J-449	8.84	0.21	20.00
T HILLS 150	7.10	0.05	17.00
J-450	8.30	0.27	21.00
J-451	8.17	0.05	17.00
J-452	8.28	0.05	18.00
J-453	7.85	0.07	22.00
J-454	7.00	0.05	17.00
J-455	8.10	0.06	18.00
J-456	7.32	0.18	18.00
J-457	7.66	0.11	18.00
J-458	7.85	0.06	22.00
J-459	7.20	0.10	23.00
J-460	7.08	0.17	19.00
J-461	7.25	0.08	19.00
J-462	8.09	0.13	22.00
J-463	8.08	0.07	18.00
J-464	7.62	0.17	22.00
J-465	7.80	0.15	22.00
J-466	6.94	0.09	17.00
J-467	6.46	0.09	17.00
J-468	6.59	0.09	17.00
J-469	7.07	0.08	17.00
J-470	8.83	0.12	21.00
J-471	7.22	0.08	22.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-472	7.22	0.12	18.00
J-473	7.48	0.12	22.00
J-474	7.02	0.02	19.00
J-475	7.74	0.20	22.00
J-476	7.55	0.13	17.00
J-477	7.13	0.13	17.00
J-478	7.10	0.13	18.00
J-479	8.23	0.16	18.00
J-480	7.03	0.14	17.00
J-481	6.94	0.14	17.00
J-482	7.10	0.17	19.00
J-483	8.72	0.17	20.00
J-484	8.60	0.17	21.00
J-485	8.62	0.17	20.00
J-486	6.56	0.26	17.00
J-487	7.34	0.28	23.00
J-488	8.20	0.21	23.00
J-489	8.18	0.13	23.00
J-490	8.42	0.05	23.00
J-491	8.45	0.10	22.00
J-492	8.47	0.13	22.00
J-493	8.55	0.13	21.00
J-494	7.85	0.00	23.00
J-495	8.81	0.00	22.00
J-496	8.41	0.05	23.00
J-497	6.12	0.00	24.00
J-498	8.15	0.00	18.00
J-499	8.09	0.00	21.00
J-500	7.04	0.00	20.00
J-501	7.63	0.13	19.00
J-502	7.14	0.02	17.00
J-503	7.05	0.18	19.00
J-504	7.10	0.18	19.00
J-505	7.07	0.21	22.00
J-506	8.43	0.02	22.00
J-507	7.72	0.01	22.00
J-508	8.39	0.01	22.00
J-509	7.62	0.12	23.00
J-510	7.54	0.10	17.00
J-511	7.59	0.02	17.00
J-512	7.61	0.02	17.00
J-513	7.52	0.02	17.00
J-514	8.04	0.04	16.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-515	8.09	0.05	16.00
J-516	8.18	0.12	17.00
J-517	8.20	0.06	22.00
J-518	8.47	0.00	23.00
J-519	8.64	0.03	21.00
J-520	8.90	0.02	21.00
J-521	8.57	0.02	21.00
J-522	8.17	0.00	23.00
J-523	8.58	0.02	22.00
J-524	8.57	0.00	23.00
J-525	8.81	0.03	21.00
J-526	8.62	0.01	22.00
J-527	7.85	0.07	22.00
J-528	7.84	0.16	22.00
J-529	8.56	0.00	21.00
J-530	8.62	0.04	20.00
J-531	8.61	0.09	20.00
J-532	8.90	0.04	18.00
J-533	8.26	0.04	18.00
J-534	7.54	0.05	18.00
J-535	7.05	0.07	20.00
J-536	7.03	0.07	19.00
J-537	7.23	0.12	17.00
J-538	7.01	0.13	17.00
J-539	6.58	0.17	17.00
J-540	6.78	0.15	17.00
J-541	6.63	0.19	17.00
J-542	6.66	0.12	17.00
J-543	8.24	0.11	17.00
J-544	8.20	0.09	17.00
J-545	8.13	0.00	17.00
J-546	8.06	0.00	21.00
J-547	8.05	0.09	17.00
J-548	8.67	0.07	17.00
J-549	7.81	0.09	17.00
J-550	7.61	0.10	17.00
J-551	7.70	0.11	17.00
J-552	7.82	0.11	17.00
J-553	7.12	0.05	22.00
J-554	7.23	0.18	18.00
J-555	7.06	0.21	18.00
J-556	7.23	0.18	18.00
J-557	7.13	0.23	22.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-558	7.11	0.22	22.00
J-559	7.04	0.12	22.00
J-560	7.18	0.23	22.00
J-561	7.76	0.09	23.00
J-562	8.05	0.07	18.00
J-563	8.07	0.16	18.00
J-564	7.17	0.01	20.00
J-565	7.05	0.07	17.00
J-566	7.24	0.13	19.00
J-567	7.39	0.20	19.00
J-568	6.80	0.09	17.00
J-569	7.11	0.04	18.00
J-570	7.12	0.03	17.00
J-571	7.07	0.05	17.00
J-572	7.66	0.04	18.00
J-573	7.63	0.03	18.00
J-574	7.36	0.18	20.00
J-575	7.64	0.14	20.00
J-576	7.61	0.10	19.00
J-577	6.63	0.23	24.00
J-578	6.68	0.23	23.00
J-579	6.07	0.18	24.00
J-580	7.21	0.19	22.00
J-581	7.02	0.05	19.00
J-582	7.11	0.03	19.00
J-583	8.22	0.03	16.00
J-584	8.11	0.07	16.00
J-585	8.37	0.03	22.00
J-586	8.73	0.01	22.00
J-587	8.70	0.02	22.00
J-588	8.83	0.02	21.00
J-589	8.27	0.07	22.00
J-590	7.28	0.07	19.00
J-591	7.28	0.03	19.00
J-592	8.71	0.03	21.00
J-593	7.71	0.05	21.00
J-594	7.92	0.08	21.00
J-595	7.81	0.07	22.00
J-596	7.57	0.06	21.00
J-597	7.15	0.03	22.00
J-598	7.25	0.00	21.00
J-599	7.59	0.00	19.00
J-600	7.25	0.00	19.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-601	7.07	0.00	19.00
J-602	6.72	0.00	24.00
J-603	7.88	0.00	23.00
J-604	7.60	0.00	23.00
J-605	7.80	0.00	23.00
J-606	7.67	0.00	22.00
J-607	7.74	0.00	22.00
J-608	7.63	0.00	23.00
J-609	7.08	0.00	23.00
J-610	6.77	0.00	23.00
J-611	7.06	0.00	23.00
J-612	6.13	0.00	24.00
J-613	6.07	0.00	24.00
J-614	7.24	0.00	23.00
J-615	7.15	0.00	23.00
J-616	7.03	0.04	19.00
J-617	6.73	0.05	19.00
J-618	7.05	0.00	19.00
J-619	6.44	0.00	19.00
J-620	6.55	0.00	19.00
J-621	6.68	0.00	18.00
J-622	6.65	0.00	18.00
J-623	6.54	0.00	18.00
J-624	8.13	0.09	17.00
J-625	7.12	0.00	19.00
J-626	8.11	0.00	18.00
J-627	7.19	0.00	19.00
J-628	7.10	0.00	19.00
J-629	7.28	0.10	21.00
J-630	7.14	0.15	18.00
J-631	7.11	0.00	18.00
J-632	7.05	0.00	17.00
J-633	6.62	0.00	18.00
J-634	7.03	0.00	17.00
J-635	7.07	0.00	18.00
J-636	6.99	0.09	18.00
J-637	7.66	0.00	18.00
J-638	7.48	0.00	18.00
J-639	7.75	0.00	18.00
J-640	7.63	0.00	18.00
J-641	7.54	0.00	18.00
J-642	7.75	0.00	18.00
J-643	7.65	0.00	18.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-644	8.04	0.00	18.00
J-645	7.53	0.00	19.00
J-646	7.53	0.12	18.00
J-647	7.66	0.09	18.00
J-648	7.72	0.00	19.00
J-649	7.37	0.00	21.00
J-650	7.10	0.00	20.00
J-651	7.48	0.00	20.00
J-652	7.10	0.00	19.00
J-653	7.58	0.00	19.00
J-654	7.58	0.00	19.00
J-655	7.08	0.00	20.00
J-656	7.55	0.00	20.00
J-657	8.28	0.00	23.00
J-658	8.64	0.00	22.00
J-659	8.19	0.00	22.00
J-660	8.52	0.02	21.00
J-661	8.26	0.00	22.00
J-662	7.44	0.00	23.00
J-663	7.67	0.00	22.00
J-664	7.68	0.00	22.00
J-665	7.90	0.00	22.00
J-666	7.51	0.00	22.00
J-667	7.72	0.00	22.00
J-668	7.45	0.00	23.00
J-669	8.70	0.00	22.00
J-670	7.82	0.00	23.00
J-671	7.80	0.00	22.00
J-672	8.60	0.00	22.00
J-673	8.56	0.07	22.00
J-674	7.65	0.00	23.00
J-675	8.66	0.17	20.00
J-676	8.64	0.00	21.00
J-677	8.05	0.00	21.00
J-678	8.22	0.00	19.00
J-679	8.11	0.00	19.00
J-680	8.09	0.04	19.00
J-681	8.19	0.00	20.00
J-682	8.62	0.00	21.00
J-683	8.22	0.00	20.00
J-684	8.09	0.00	21.00
J-685	7.68	0.00	18.00
B-REDDIKUI	7.66	3.64	17.00

JUNCTION TABLE-KK NAGAR WDS-05 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-686	6.18	0.00	24.00
J-687	10.58	0.00	22.00

RESERVOIR TABLE- KK NAGAR WDS-05 RESERVOIR	
Label	**Elevation (m)**
KK NAGAR NEW WDS	3.94

TANK TABLE-KK NAGAR WDS-05 PROPOSED OHT				
Label	**Elevation (Base) (m)**	**Elevation (Minimum) (m)**	**Elevation (Initial) (m)**	**Elevation (Maximum) (m)**
6ML	29.5	29.8	33.5	34.5

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1	J-8	J-9	7	CI/R/DI	100	140	-0.35	0.52	3.30
P-2	J-10	J-11	11	CI/R/DI	100	140	-0.36	0.53	3.40
P-3	J-13	J-466	13	CI/R/DI	100	140	0.38	0.56	3.70
P-4	J-15	J-16	8	CI/R/DI	100	140	-0.03	0.04	0.00
P-5	J-17	J-18	7	CI/R/DI	150	140	-0.94	0.62	3.00
P-6	J-21	J-22	9	CI/R/DI	100	140	-0.47	0.70	5.70
P-7	J-23	J-24	9	CI/R/DI	100	140	0.51	0.75	6.50
P-8	J-25	J-26	12	CI/R/DI	100	140	0.49	0.71	5.90
P-9	J-29	J-30	14	CI/R/DI	100	140	0.07	0.11	0.20
P-10	J-9	J-32	15	CI/R/DI	100	140	0.28	0.41	2.10
P-11	J-33	J-34	15	CI/R/DI	100	140	-0.06	0.09	0.10
P-12	J-35	J-36	18	CI/R/DI	100	140	-0.43	0.63	4.70
P-13	J-37	J-38	22	CI/R/DI	100	140	-0.02	0.03	0.00
P-14	J-57	J-39	36	CI/R/DI	100	140	-0.16	0.24	0.80
P-15	J-40	J-41	16	CI/R/DI	100	140	0.35	0.52	3.20
P-16	J-43	J-44	13	CI/R/DI	100	140	-0.04	0.06	0.10
P-17	J-45	J-46	17	CI/R/DI	100	140	-0.10	0.15	0.30
P-18	J-47	J-48	17	CI/R/DI	100	140	0.00	0.01	0.00
P-19	J-49	J-50	17	CI/R/DI	100	140	0.59	0.86	8.30
P-20	J-51	J-49	17	CI/R/DI	100	140	0.28	0.42	2.10
P-21	J-52	J-53	18	CI/R/DI	100	140	-0.65	0.95	10.00
P-22	J-54	J-55	38	CI/R/DI	100	140	0.00	0.00	0.00
P-23	J-56	J-25	19	CI/R/DI	100	140	-0.18	0.26	0.90
P-24	J-58	J-59	20	CI/R/DI	100	140	-0.14	0.21	0.60
P-25	J-60	J-61	21	CI/R/DI	100	140	0.01	0.02	0.00
P-26	J-64	J-65	21	CI/R/DI	100	140	0.09	0.13	0.20
P-27	J-66	J-21	21	CI/R/DI	100	140	-0.26	0.39	1.90
P-28	J-67	J-68	22	CI/R/DI	100	140	-0.05	0.08	0.10
P-29	J-69	J-40	22	CI/R/DI	100	140	0.00	0.00	0.00
P-30	J-70	J-71	21	CI/R/DI	100	140	-0.28	0.41	2.10
P-31	J-72	J-73	21	CI/R/DI	100	140	0.06	0.09	0.10
P-32	J-75	J-76	26	CI/R/DI	100	140	-0.50	0.74	6.10
P-33	J-78	J-79	24	CI/R/DI	100	140	-0.20	0.30	1.20
P-34	J-81	J-82	25	CI/R/DI	100	140	-0.01	0.01	0.00
P-35	J-83	J-84	26	CI/R/DI	100	140	-0.23	0.34	1.40
P-36	J-84	J-83	113	CI/R/DI	100	140	0.10	0.15	0.30
P-37	J-3	J-8	25	CI/R/DI	100	140	-0.23	0.35	1.50
P-38	J-12	J-7	38	CI/R/DI	100	140	0.59	0.87	8.30
P-39	J-61	J-85	25	CI/R/DI	100	140	0.12	0.18	0.40
P-40	J-86	J-31	25	CI/R/DI	100	140	0.03	0.05	0.00
P-41	J-87	J-88	25	CI/R/DI	100	140	-0.48	0.71	5.70
P-42	J-89	J-90	26	CI/R/DI	100	140	-0.46	0.68	5.20
P-43	J-91	J-92	26	CI/R/DI	100	140	-0.01	0.02	0.00
P-44	J-93	J-94	28	CI/R/DI	100	140	-0.14	0.20	0.60
P-45	J-95	J-15	27	CI/R/DI	100	140	0.24	0.35	1.50
P-46	J-96	J-97	27	CI/R/DI	100	140	0.00	0.00	0.00
P-47	J-96	J-97	122	CI/R/DI	100	140	0.00	0.00	0.00
P-48	J-26	J-95	27	CI/R/DI	100	140	0.25	0.36	1.70
P-49	J-98	J-99	27	CI/R/DI	100	140	-0.55	0.81	7.30
P-50	J-100	J-245	32	CI/R/DI	100	140	-0.18	0.26	0.90

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-51	J-77	J-101	27	CI/R/DI	100	140	0.18	0.26	0.90
P-52	J-102	J-103	28	CI/R/DI	100	140	0.57	0.84	7.80
P-53	J-104	J-105	33	CI/R/DI	100	140	-0.28	0.41	2.00
P-54	J-106	J-107	28	CI/R/DI	100	140	-0.43	0.64	4.70
P-55	J-99	J-108	28	CI/R/DI	100	140	-0.24	0.36	1.60
P-56	J-109	J-110	28	CI/R/DI	100	140	0.25	0.37	1.70
P-57	J-111	J-112	29	CI/R/DI	100	140	-0.50	0.74	6.10
P-58	J-109	J-113	33	CI/R/DI	100	140	0.10	0.14	0.30
P-59	J-114	J-115	29	CI/R/DI	100	140	-0.05	0.07	0.10
P-60	J-116	J-117	29	CI/R/DI	100	140	0.08	0.12	0.20
P-61	J-118	J-20	30	CI/R/DI	100	140	0.19	0.28	1.00
P-62	J-119	J-120	30	CI/R/DI	100	140	-0.12	0.18	0.50
P-63	J-121	J-122	30	CI/R/DI	100	140	-0.06	0.09	0.10
P-64	J-101	J-69	30	CI/R/DI	100	140	0.07	0.11	0.20
P-65	J-121	J-118	30	CI/R/DI	100	140	-0.04	0.06	0.10
P-66	J-77	J-125	30	CI/R/DI	100	140	0.03	0.04	0.00
P-67	J-101	J-126	31	CI/R/DI	100	140	0.03	0.04	0.00
P-68	J-127	J-128	33	CI/R/DI	100	140	-0.19	0.28	1.00
P-69	J-129	J-130	31	CI/R/DI	100	140	-0.27	0.40	2.00
P-70	J-131	J-132	31	CI/R/DI	100	140	0.01	0.01	0.00
P-71	J-133	J-6	33	CI/R/DI	100	140	0.11	0.16	0.40
P-72	J-134	J-135	31	CI/R/DI	100	140	-0.03	0.05	0.00
P-73	J-136	J-131	31	CI/R/DI	100	140	-0.03	0.04	0.00
P-74	J-124	J-111	31	CI/R/DI	100	140	-0.24	0.36	1.60
P-75	J-7	J-137	33	CI/R/DI	100	140	0.28	0.42	2.10
P-76	J-59	J-138	37	CI/R/DI	100	140	-0.24	0.36	1.60
P-77	J-139	J-32	33	CI/R/DI	100	140	-0.18	0.27	0.90
P-78	J-140	J-109	31	CI/R/DI	100	140	0.40	0.59	4.00
P-79	J-141	J-142	36	CI/R/DI	100	140	0.07	0.11	0.20
P-80	J-32	J-144	32	CI/R/DI	100	140	0.03	0.04	0.00
P-81	J-145	J-146	32	CI/R/DI	100	140	-0.18	0.26	0.90
P-82	J-148	J-149	32	CI/R/DI	100	140	-0.37	0.54	3.50
P-83	J-112	J-140	32	CI/R/DI	100	140	0.31	0.46	2.60
P-84	J-150	J-17	29	CI/R/DI	100	140	-0.25	0.37	1.70
P-85	J-151	J-52	32	CI/R/DI	100	140	-0.19	0.28	1.00
P-86	J-152	J-153	29	CI/R/DI	100	140	0.03	0.05	0.00
P-87	J-154	J-51	32	CI/R/DI	100	140	0.40	0.59	4.00
P-88	J-155	J-156	32	CI/R/DI	100	140	0.14	0.21	0.60
P-89	J-153	J-80	57	CI/R/DI	100	140	-0.14	0.20	0.60
P-90	J-157	J-158	33	CI/R/DI	100	140	0.29	0.42	2.20
P-91	J-159	J-102	33	CI/R/DI	100	140	0.36	0.53	3.30
P-92	J-160	J-161	30	CI/R/DI	100	140	0.34	0.50	3.00
P-93	J-162	J-163	33	CI/R/DI	100	140	-0.24	0.35	1.60
P-94	J-164	J-165	33	CI/R/DI	100	140	-0.27	0.39	1.90
P-95	J-166	J-167	33	CI/R/DI	100	140	0.07	0.10	0.20
P-96	J-168	J-169	33	CI/R/DI	100	140	0.01	0.01	0.00
P-97	J-131	J-122	55	CI/R/DI	100	140	-0.13	0.20	0.50
P-98	J-160	J-171	34	CI/R/DI	100	140	0.19	0.27	1.00
P-99	J-172	J-173	34	CI/R/DI	100	140	0.25	0.37	1.70
P-100	J-141	J-174	34	CI/R/DI	100	140	-0.22	0.32	1.30

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-101	J-88	J-175	34	CI/R/DI	100	140	-0.30	0.44	2.40
P-102	J-176	J-177	34	CI/R/DI	100	140	-0.04	0.05	0.00
P-103	J-5	J-179	35	CI/R/DI	100	140	-0.36	0.52	3.30
P-104	J-108	J-180	34	CI/R/DI	100	140	0.08	0.12	0.20
P-105	J-120	J-181	34	CI/R/DI	100	140	-0.07	0.11	0.20
P-106	J-143	J-182	34	CI/R/DI	100	140	0.05	0.07	0.10
P-107	J-167	J-176	34	CI/R/DI	100	140	0.01	0.01	0.00
P-108	J-183	J-184	35	CI/R/DI	100	140	0.42	0.62	4.40
P-109	J-185	J-129	34	CI/R/DI	100	140	-0.22	0.32	1.30
P-110	J-22	J-187	34	CI/R/DI	100	140	0.12	0.17	0.40
P-111	J-163	J-188	35	CI/R/DI	100	140	-0.32	0.47	2.60
P-112	J-189	J-157	34	CI/R/DI	100	140	0.38	0.56	3.70
P-113	J-193	J-104	35	CI/R/DI	100	140	-0.22	0.33	1.40
P-114	J-194	J-189	35	CI/R/DI	100	140	0.21	0.31	1.20
P-115	J-195	J-196	36	CI/R/DI	100	140	0.24	0.35	1.50
P-116	J-197	J-198	35	CI/R/DI	100	140	0.42	0.63	4.50
P-117	J-5	J-201	36	CI/R/DI	100	140	0.37	0.54	3.50
P-118	J-202	J-203	35	CI/R/DI	100	140	-0.08	0.11	0.20
P-119	J-204	J-205	35	CI/R/DI	100	140	0.04	0.05	0.00
P-120	J-206	J-207	36	CI/R/DI	100	140	-0.04	0.06	0.10
P-121	J-208	J-209	36	CI/R/DI	100	140	-0.47	0.69	5.40
P-122	J-128	J-23	39	CI/R/DI	100	140	0.07	0.10	0.10
P-123	J-210	J-134	36	CI/R/DI	100	140	0.00	0.00	0.00
P-124	J-137	J-211	43	CI/R/DI	100	140	0.15	0.22	0.70
P-125	J-171	J-212	39	CI/R/DI	100	140	0.35	0.51	3.10
P-126	J-213	J-62	34	CI/R/DI	100	140	0.11	0.16	0.40
P-127	J-130	J-214	44	CI/R/DI	100	140	-0.30	0.44	2.30
P-128	J-215	J-216	36	CI/R/DI	100	140	-0.16	0.24	0.80
P-129	J-198	J-213	37	CI/R/DI	100	140	0.39	0.58	3.90
P-130	J-184	J-197	37	CI/R/DI	100	140	0.40	0.59	4.00
P-131	J-217	J-218	35	CI/R/DI	100	140	0.03	0.05	0.00
P-132	J-219	J-220	37	CI/R/DI	100	140	-0.39	0.58	3.90
P-133	J-163	J-165	37	CI/R/DI	100	140	0.09	0.13	0.20
P-134	J-156	J-194	38	CI/R/DI	100	140	0.27	0.40	1.90
P-135	J-173	J-204	36	CI/R/DI	100	140	0.14	0.21	0.60
P-136	J-72	J-71	38	CI/R/DI	100	140	-0.20	0.29	1.10
P-137	J-92	J-222	37	CI/R/DI	100	140	-0.09	0.13	0.20
P-138	J-3	J-78	38	CI/R/DI	100	140	0.00	0.01	0.00
P-139	J-180	J-223	38	CI/R/DI	100	140	-0.26	0.39	1.90
P-140	J-164	J-162	38	CI/R/DI	100	140	-0.14	0.20	0.60
P-141	J-139	J-3	39	CI/R/DI	100	140	-0.01	0.02	0.00
P-142	J-171	J-29	38	CI/R/DI	100	140	0.06	0.10	0.10
P-143	J-224	J-225	38	CI/R/DI	100	140	0.12	0.17	0.40
P-144	J-216	J-193	38	CI/R/DI	100	140	-0.18	0.27	0.90
P-145	J-99	J-227	38	CI/R/DI	100	140	-0.49	0.72	5.80
P-146	J-179	J-228	38	CI/R/DI	100	140	-0.52	0.77	6.70
P-147	J-229	J-230	38	CI/R/DI	100	140	0.25	0.37	1.70
P-148	J-70	J-73	38	CI/R/DI	100	140	0.03	0.04	0.00
P-149	J-196	J-172	38	CI/R/DI	100	140	0.43	0.63	4.50
P-150	J-232	J-233	39	CI/R/DI	100	140	-0.01	0.01	0.00

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-151	J-234	J-235	39	CI/R/DI	100	140	0.01	0.01	0.00
P-152	J-97	J-224	39	CI/R/DI	100	140	-0.04	0.06	0.10
P-153	J-236	J-237	39	CI/R/DI	100	140	-0.12	0.18	0.40
P-154	J-202	J-238	40	CI/R/DI	100	140	0.19	0.28	1.00
P-155	J-239	J-240	40	CI/R/DI	100	140	0.01	0.01	0.00
P-156	J-110	J-241	40	CI/R/DI	100	140	0.21	0.31	1.30
P-157	J-239	J-185	40	CI/R/DI	100	140	-0.13	0.19	0.50
P-158	J-242	J-243	46	CI/R/DI	100	140	0.12	0.17	0.40
P-159	J-244	J-237	41	CI/R/DI	100	140	-0.04	0.05	0.00
P-160	J-246	J-247	41	CI/R/DI	100	140	0.25	0.36	1.60
P-161	J-80	J-248	41	CI/R/DI	100	140	-0.37	0.55	3.50
P-162	J-249	J-159	41	CI/R/DI	100	140	-0.26	0.38	1.80
P-163	J-250	J-36	42	CI/R/DI	100	140	0.07	0.10	0.10
P-164	J-251	J-252	42	CI/R/DI	100	140	0.25	0.36	1.60
P-165	J-220	J-90	41	CI/R/DI	100	140	-0.64	0.94	9.50
P-166	J-158	J-215	42	CI/R/DI	100	140	0.31	0.46	2.60
P-167	J-253	J-254	42	CI/R/DI	100	140	0.04	0.05	0.00
P-168	J-255	J-164	42	CI/R/DI	100	140	-0.38	0.56	3.70
P-169	J-186	J-256	46	CI/R/DI	100	140	-0.45	0.66	5.00
P-170	J-138	J-257	43	CI/R/DI	100	140	-0.43	0.64	4.70
P-171	J-50	J-224	43	CI/R/DI	100	140	0.52	0.77	6.60
P-172	J-258	J-96	45	CI/R/DI	100	140	0.05	0.07	0.10
P-173	J-217	J-261	43	CI/R/DI	100	140	0.31	0.46	2.50
P-174	J-262	J-263	44	CI/R/DI	100	140	0.36	0.52	3.20
P-175	J-168	J-264	44	CI/R/DI	100	140	-0.68	1.01	10.90
P-176	J-25	J-265	44	CI/R/DI	100	140	0.42	0.62	4.50
P-177	J-265	J-253	44	CI/R/DI	100	140	0.14	0.21	0.60
P-178	J-266	J-87	44	CI/R/DI	100	140	-0.14	0.21	0.60
P-179	J-221	J-267	44	CI/R/DI	100	140	-0.25	0.37	1.70
P-180	J-268	J-269	58	CI/R/DI	100	140	0.05	0.07	0.10
P-181	J-94	J-83	42	CI/R/DI	100	140	-0.29	0.43	2.20
P-182	J-270	J-242	39	CI/R/DI	100	140	0.02	0.03	0.00
P-183	J-21	J-271	104	CI/R/DI	100	140	0.09	0.13	0.30
P-184	J-15	J-272	45	CI/R/DI	100	140	0.19	0.28	1.00
P-185	J-273	J-70	45	CI/R/DI	100	140	-0.16	0.23	0.70
P-186	J-242	J-57	45	CI/R/DI	100	140	-0.21	0.31	1.20
P-187	J-275	J-6	46	CI/R/DI	100	140	-0.21	0.31	1.20
P-188	J-251	J-276	46	CI/R/DI	100	140	0.01	0.02	0.00
P-189	J-277	J-278	61	CI/R/DI	100	140	-0.05	0.08	0.10
P-190	J-207	J-279	46	CI/R/DI	100	140	-0.15	0.22	0.60
P-191	J-76	J-281	45	CI/R/DI	100	140	0.01	0.02	0.00
P-192	J-282	J-250	47	CI/R/DI	100	140	0.32	0.47	2.60
P-193	J-278	J-106	47	CI/R/DI	100	140	-0.25	0.37	1.70
P-194	J-283	J-3	46	CI/R/DI	100	140	-0.09	0.14	0.30
P-195	J-284	J-265	47	CI/R/DI	100	140	-0.04	0.06	0.10
P-196	J-283	J-139	53	CI/R/DI	100	140	-0.09	0.13	0.20
P-197	J-222	J-75	48	CI/R/DI	100	140	-0.23	0.34	1.50
P-198	J-281	J-168	45	CI/R/DI	100	140	-0.65	0.95	9.90
P-199	J-285	J-286	48	DI/E	100	130	0.01	0.02	0.00
P-200	J-26	J-121	48	CI/R/DI	100	140	0.16	0.24	0.80

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-201	J-287	J-288	55	CI/R/DI	100	140	-0.08	0.11	0.20
P-202	J-290	J-291	48	CI/R/DI	100	140	-0.27	0.40	2.00
P-203	J-292	J-293	46	CI/R/DI	100	140	0.01	0.02	0.00
P-204	J-177	J-58	49	CI/R/DI	100	140	-0.09	0.14	0.30
P-205	J-294	J-295	49	CI/R/DI	100	140	-0.09	0.14	0.30
P-206	J-56	J-122	48	CI/R/DI	100	140	0.26	0.39	1.80
P-207	J-297	J-285	50	DI/E	100	130	0.03	0.04	0.00
P-208	J-95	J-118	50	CI/R/DI	100	140	-0.08	0.12	0.20
P-209	J-24	J-298	50	CI/R/DI	100	140	0.08	0.11	0.20
P-210	J-299	J-300	50	CI/R/DI	100	140	-0.05	0.08	0.10
P-211	J-301	J-190	50	CI/R/DI	100	140	-0.05	0.07	0.10
P-212	J-302	J-160	50	CI/R/DI	100	140	0.27	0.40	1.90
P-213	J-305	J-77	51	CI/R/DI	100	140	-0.04	0.07	0.10
P-214	J-261	J-179	50	CI/R/DI	100	140	-0.06	0.09	0.10
P-215	J-20	J-16	52	CI/R/DI	100	140	0.12	0.17	0.40
P-216	J-246	J-308	52	CI/R/DI	100	140	-0.11	0.16	0.40
P-217	J-60	J-309	52	CI/R/DI	100	140	0.51	0.76	6.40
P-218	J-132	J-121	53	CI/R/DI	100	140	-0.13	0.19	0.50
P-219	J-311	J-312	241	CI/R/DI	100	140	0.10	0.14	0.30
P-220	J-183	J-99	54	CI/R/DI	100	140	-0.15	0.22	0.70
P-221	J-106	J-314	69	CI/R/DI	100	140	0.06	0.09	0.10
P-222	J-295	J-4	54	CI/R/DI	100	140	-0.10	0.15	0.30
P-223	J-68	J-315	54	CI/R/DI	100	140	0.09	0.13	0.20
P-224	J-175	J-316	54	CI/R/DI	100	140	0.40	0.59	4.00
P-225	J-233	J-289	54	CI/R/DI	100	140	-0.18	0.27	0.90
P-226	J-49	J-82	54	CI/R/DI	100	140	-0.32	0.48	2.70
P-227	J-317	J-238	55	CI/R/DI	100	140	-0.12	0.18	0.40
P-228	J-318	J-319	55	CI/R/DI	100	140	0.05	0.07	0.10
P-229	J-320	J-208	55	CI/R/DI	100	140	-0.06	0.08	0.10
P-230	J-82	J-234	55	CI/R/DI	100	140	-0.36	0.53	3.40
P-231	J-2	J-321	56	CI/R/DI	100	140	-0.18	0.26	0.90
P-232	J-181	J-322	56	CI/R/DI	100	140	-0.09	0.13	0.20
P-233	J-153	J-323	55	CI/R/DI	100	140	0.05	0.07	0.10
P-234	J-252	J-325	57	CI/R/DI	100	140	0.01	0.02	0.00
P-235	J-64	J-326	57	CI/R/DI	100	140	0.01	0.02	0.00
P-236	J-281	J-60	57	CI/R/DI	100	140	0.26	0.39	1.90
P-237	J-329	J-330	57	CI/R/DI	100	140	-0.03	0.05	0.00
P-238	J-114	J-331	57	CI/R/DI	100	140	0.09	0.13	0.30
P-239	J-332	J-205	61	CI/R/DI	100	140	-0.40	0.59	4.00
P-240	J-333	J-18	61	CI/R/DI	100	140	0.22	0.32	1.30
P-241	J-146	J-335	58	CI/R/DI	100	140	-0.04	0.06	0.10
P-242	J-65	J-336	58	CI/R/DI	100	140	0.01	0.02	0.00
P-243	J-143	J-262	90	CI/R/DI	100	140	0.42	0.62	4.40
P-244	J-337	J-361	125	CI/R/DI	100	140	-0.32	0.47	2.60
P-245	J-338	J-339	59	CI/R/DI	100	140	0.01	0.01	0.00
P-246	J-332	J-290	59	CI/R/DI	100	140	-0.37	0.55	3.50
P-247	J-340	J-341	68	CI/R/DI	100	140	0.17	0.25	0.80
P-248	J-4	J-342	61	CI/R/DI	100	140	0.01	0.02	0.00
P-249	J-344	J-94	62	CI/R/DI	100	140	-0.53	0.78	6.80
P-250	J-215	J-251	60	CI/R/DI	100	140	0.29	0.43	2.20

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-251	J-346	J-347	69	CI/R/DI	100	140	0.06	0.09	0.10
P-252	J-85	J-2	62	CI/R/DI	100	140	-0.11	0.16	0.30
P-253	J-48	J-348	61	CI/R/DI	100	140	0.17	0.25	0.80
P-254	J-349	J-350	71	CI/R/DI	100	140	-0.07	0.10	0.10
P-255	J-230	J-267	61	CI/R/DI	100	140	0.49	0.73	5.90
P-256	J-351	J-352	61	CI/R/DI	100	140	0.41	0.61	4.30
P-257	J-353	J-354	62	CI/R/DI	100	140	0.10	0.14	0.30
P-258	J-172	J-291	65	CI/R/DI	100	140	0.10	0.15	0.30
P-259	J-355	J-356	62	CI/R/DI	100	140	-0.18	0.26	0.90
P-260	J-7	J-127	59	CI/R/DI	100	140	-0.12	0.18	0.50
P-261	J-522	J-357	61	CI/R/DI	100	140	0.40	0.59	4.00
P-262	J-291	J-344	63	CI/R/DI	100	140	-0.28	0.41	2.00
P-263	J-84	J-358	62	CI/R/DI	100	140	-0.38	0.56	3.70
P-264	J-359	J-360	61	CI/R/DI	100	140	0.16	0.23	0.70
P-265	J-261	J-5	84	CI/R/DI	100	140	0.22	0.32	1.30
P-266	J-46	J-19	64	CI/R/DI	100	140	-0.10	0.15	0.30
P-267	J-19	J-46	169	CI/R/DI	100	140	0.06	0.09	0.10
P-268	J-113	J-111	64	CI/R/DI	100	140	-0.15	0.22	0.60
P-269	J-4	J-337	60	CI/R/DI	100	140	0.01	0.01	0.00
P-270	J-294	J-340	86	CI/R/DI	100	140	0.11	0.16	0.40
P-271	J-363	J-294	65	CI/R/DI	100	140	-0.09	0.13	0.20
P-272	J-86	J-149	65	CI/R/DI	100	140	0.23	0.33	1.40
P-273	J-115	J-297	65	DI/E	100	130	-0.13	0.19	0.60
P-274	J-266	J-259	65	CI/R/DI	100	140	0.09	0.13	0.20
P-275	J-364	J-114	68	CI/R/DI	100	140	0.08	0.11	0.20
P-276	J-2	J-320	66	CI/R/DI	100	140	-0.42	0.61	4.30
P-277	J-116	J-124	66	CI/R/DI	100	140	-0.06	0.09	0.10
P-278	J-365	J-355	66	CI/R/DI	100	140	-0.10	0.14	0.30
P-279	J-19	J-366	68	CI/R/DI	100	140	-0.23	0.34	1.50
P-280	J-354	J-367	67	CI/R/DI	100	140	0.08	0.12	0.20
P-281	J-265	J-272	67	CI/R/DI	100	140	0.07	0.10	0.10
P-282	J-148	J-31	67	CI/R/DI	100	140	-0.34	0.50	3.00
P-283	J-231	J-78	68	CI/R/DI	100	140	-0.09	0.13	0.20
P-284	J-285	J-310	68	DI/E	100	130	-0.02	0.03	0.00
P-285	J-368	J-58	68	CI/R/DI	100	140	-0.02	0.02	0.00
P-286	J-192	J-120	68	CI/R/DI	100	140	0.08	0.12	0.20
P-287	J-100	J-203	93	CI/R/DI	100	140	0.06	0.09	0.10
P-288	J-203	J-100	90	CI/R/DI	100	140	-0.06	0.10	0.10
P-289	J-322	J-361	65	CI/R/DI	100	140	-0.34	0.50	2.90
P-290	J-117	J-123	68	CI/R/DI	100	140	-0.04	0.06	0.10
P-291	J-208	J-321	68	CI/R/DI	100	140	0.37	0.55	3.50
P-292	J-338	J-369	69	CI/R/DI	100	140	-0.15	0.22	0.60
P-293	J-231	J-283	69	CI/R/DI	100	140	-0.03	0.05	0.00
P-294	J-122	J-217	70	CI/R/DI	100	140	-0.11	0.16	0.40
P-295	J-31	J-45	110	CI/R/DI	100	140	-0.35	0.52	3.20
P-296	J-307	J-324	70	CI/R/DI	100	140	0.06	0.08	0.10
P-297	J-340	J-295	95	CI/R/DI	100	140	-0.12	0.18	0.50
P-298	J-43	J-10	68	CI/R/DI	100	140	-0.24	0.35	1.60
P-299	J-188	J-141	70	CI/R/DI	100	140	-0.23	0.34	1.50
P-300	J-371	J-372	70	CI/R/DI	100	140	-0.06	0.09	0.10

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-301	J-335	J-373	71	CI/R/DI	100	140	-0.04	0.06	0.10
P-302	J-301	J-270	71	CI/R/DI	100	140	0.32	0.47	2.70
P-303	J-374	J-375	71	CI/R/DI	100	140	-0.15	0.22	0.70
P-304	J-35	J-296	71	CI/R/DI	100	140	0.22	0.32	1.30
P-305	J-360	J-362	72	CI/R/DI	100	140	0.04	0.06	0.10
P-306	J-376	J-367	73	CI/R/DI	100	140	-0.01	0.02	0.00
P-307	J-344	J-48	70	CI/R/DI	100	140	0.21	0.31	1.20
P-308	J-10	J-44	69	CI/R/DI	100	140	0.24	0.35	1.50
P-309	J-135	J-206	73	CI/R/DI	100	140	-0.06	0.09	0.10
P-310	J-352	J-377	73	CI/R/DI	100	140	0.24	0.36	1.60
P-311	J-282	J-373	75	CI/R/DI	100	140	0.38	0.56	3.60
P-312	J-107	J-298	73	CI/R/DI	100	140	-0.35	0.51	3.10
P-313	J-12	J-128	71	CI/R/DI	100	140	0.38	0.56	3.60
P-314	J-93	J-67	71	CI/R/DI	100	140	0.08	0.12	0.20
P-315	J-248	J-42	93	CI/R/DI	100	140	0.13	0.20	0.50
P-316	J-331	J-274	72	CI/R/DI	100	140	0.01	0.02	0.00
P-317	J-228	J-56	75	CI/R/DI	100	140	0.21	0.31	1.20
P-318	J-288	J-183	76	CI/R/DI	100	140	0.10	0.14	0.30
P-319	J-291	J-348	75	CI/R/DI	100	140	0.05	0.07	0.10
P-320	J-259	J-87	107	CI/R/DI	100	140	-0.11	0.17	0.40
P-321	J-223	J-45	78	CI/R/DI	100	140	-0.14	0.20	0.60
P-322	J-272	J-253	108	CI/R/DI	100	140	0.07	0.10	0.10
P-323	J-288	J-309	86	CI/R/DI	100	140	-0.22	0.33	1.40
P-324	J-354	J-379	79	CI/R/DI	100	140	-0.03	0.05	0.00
P-325	J-361	J-380	78	CI/R/DI	100	140	-0.04	0.05	0.00
P-326	J-379	J-355	80	CI/R/DI	100	140	-0.03	0.04	0.00
P-327	J-89	J-159	80	CI/R/DI	100	140	0.09	0.14	0.30
P-328	J-381	J-172	79	CI/R/DI	100	140	-0.02	0.03	0.00
P-329	J-382	J-13	85	CI/R/DI	100	140	-0.11	0.16	0.30
P-330	J-373	J-383	81	CI/R/DI	100	140	0.28	0.41	2.10
P-331	J-22	J-339	87	CI/R/DI	100	140	0.14	0.21	0.60
P-332	J-352	J-353	82	CI/R/DI	100	140	0.22	0.32	1.30
P-333	J-66	J-384	87	CI/R/DI	100	140	-0.03	0.04	0.00
P-334	J-367	J-365	162	CI/R/DI	100	140	0.00	0.00	0.00
P-335	J-345	J-338	83	CI/R/DI	100	140	0.15	0.22	0.60
P-336	J-385	J-187	86	DI/P	100	140	0.11	0.16	0.30
P-337	J-90	J-102	88	CI/R/DI	100	140	0.34	0.50	3.00
P-338	J-365	J-33	83	CI/R/DI	100	140	0.02	0.03	0.00
P-339	J-386	J-352	84	CI/R/DI	100	140	0.12	0.18	0.40
P-340	J-252	J-310	84	CI/R/DI	100	140	0.19	0.28	1.00
P-341	J-270	J-243	160	CI/R/DI	100	140	0.06	0.09	0.10
P-342	J-247	J-202	85	CI/R/DI	100	140	0.15	0.22	0.60
P-343	J-201	J-266	85	CI/R/DI	100	140	0.11	0.17	0.40
P-344	J-321	J-61	98	CI/R/DI	100	140	0.14	0.21	0.60
P-345	J-292	J-343	87	CI/R/DI	100	140	-0.10	0.15	0.30
P-346	J-226	J-262	85	CI/R/DI	100	140	0.12	0.18	0.50
P-347	J-369	J-333	84	CI/R/DI	100	140	-0.49	0.73	5.90
P-348	J-247	J-245	88	CI/R/DI	100	140	0.05	0.07	0.10
P-349	J-249	J-89	118	CI/R/DI	100	140	-0.17	0.25	0.80
P-350	J-157	J-163	88	CI/R/DI	100	140	0.05	0.08	0.10

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-351	J-107	J-24	117	CI/R/DI	100	140	-0.28	0.41	2.00
P-352	J-162	J-158	89	CI/R/DI	100	140	0.06	0.09	0.10
P-353	J-194	J-388	87	CI/R/DI	100	140	0.02	0.03	0.00
P-354	J-189	J-188	88	CI/R/DI	100	140	0.13	0.19	0.50
P-355	J-299	J-332	88	CI/R/DI	100	140	-0.32	0.47	2.60
P-356	J-191	J-263	91	CI/R/DI	100	140	0.13	0.19	0.50
P-357	J-63	J-148	93	CI/R/DI	100	140	-0.23	0.33	1.40
P-358	J-389	J-387	92	CI/R/DI	100	140	-0.19	0.27	1.00
P-359	J-177	J-135	92	CI/R/DI	100	140	0.01	0.02	0.00
P-360	J-134	J-176	93	CI/R/DI	100	140	-0.01	0.01	0.00
P-361	J-59	J-206	93	DI/E	100	130	0.07	0.10	0.20
P-362	J-370	J-273	94	CI/R/DI	100	140	-0.04	0.06	0.10
P-363	J-174	J-155	92	CI/R/DI	100	140	-0.10	0.15	0.30
P-364	J-356	J-389	94	CI/R/DI	100	140	0.03	0.04	0.00
P-365	J-71	J-282	94	CI/R/DI	100	140	-0.51	0.76	6.40
P-366	J-149	J-98	95	CI/R/DI	100	140	-0.19	0.28	1.00
P-367	J-309	J-183	95	CI/R/DI	100	140	0.23	0.35	1.50
P-368	J-308	J-327	95	CI/R/DI	100	140	-0.05	0.07	0.10
P-369	J-156	J-141	93	CI/R/DI	100	140	0.14	0.21	0.60
P-370	J-331	J-390	96	DI/E	100	130	0.02	0.03	0.00
P-371	J-224	J-391	101	CI/R/DI	100	140	0.31	0.46	2.50
P-372	J-516	J-226	100	CI/R/DI	150	140	1.13	0.74	3.80
P-373	J-348	J-290	133	CI/R/DI	100	140	0.15	0.23	0.70
P-374	J-87	J-201	128	CI/R/DI	100	140	-0.04	0.06	0.10
P-375	J-225	J-213	97	CI/R/DI	100	140	-0.25	0.36	1.60
P-376	J-393	J-225	97	CI/R/DI	100	140	-0.31	0.45	2.50
P-377	J-199	J-370	97	CI/R/DI	100	140	-0.04	0.05	0.00
P-378	J-180	J-86	98	CI/R/DI	100	140	0.31	0.45	2.40
P-379	J-267	J-246	128	CI/R/DI	100	140	0.19	0.28	1.00
P-380	J-165	J-395	101	CI/R/DI	100	140	0.02	0.04	0.00
P-381	J-330	J-317	102	CI/R/DI	100	140	-0.31	0.45	2.50
P-382	J-186	J-226	131	CI/R/DI	100	140	0.27	0.41	2.00
P-383	J-353	J-379	104	CI/R/DI	100	140	0.07	0.10	0.10
P-384	J-39	J-334	101	CI/R/DI	100	140	-0.08	0.11	0.20
P-385	J-383	J-386	148	CI/R/DI	100	140	0.09	0.13	0.30
P-386	J-383	J-386	105	CI/R/DI	100	140	0.11	0.16	0.40
P-387	J-28	J-72	98	CI/R/DI	100	140	-0.10	0.14	0.30
P-388	J-210	J-207	104	CI/R/DI	100	140	-0.06	0.09	0.10
P-389	J-192	J-378	170	CI/R/DI	100	140	0.04	0.06	0.10
P-390	J-234	J-2	108	CI/R/DI	100	140	-0.42	0.62	4.40
P-391	J-315	J-374	108	CI/R/DI	100	140	-0.06	0.09	0.10
P-392	J-227	J-281	113	CI/R/DI	100	140	-0.33	0.49	2.90
P-393	J-212	J-186	137	CI/R/DI	100	140	-0.20	0.29	1.10
P-394	J-221	J-245	111	CI/R/DI	100	140	0.20	0.30	1.10
P-395	J-216	J-239	217	CI/R/DI	100	140	-0.05	0.07	0.10
P-396	J-57	J-190	112	CI/R/DI	100	140	-0.21	0.31	1.20
P-397	J-191	J-39	112	CI/R/DI	100	140	0.31	0.45	2.40
P-398	J-263	J-334	114	CI/R/DI	100	140	0.26	0.39	1.90
P-399	J-306	J-302	116	CI/R/DI	100	140	-0.34	0.50	3.00
P-400	J-396	J-115	118	CI/R/DI	100	140	-0.03	0.04	0.00

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-401	J-68	J-374	161	CI/R/DI	100	140	-0.01	0.02	0.00
P-402	J-34	J-389	119	CI/R/DI	100	140	-0.14	0.21	0.60
P-403	J-53	J-258	119	CI/R/DI	100	140	-0.41	0.60	4.10
P-404	J-88	J-228	120	CI/R/DI	100	140	-0.34	0.50	2.90
P-405	J-359	J-333	121	CI/R/DI	100	140	-0.40	0.60	4.10
P-406	J-369	J-360	122	CI/R/DI	100	140	0.10	0.15	0.30
P-407	J-236	J-55	122	DI/P	100	140	0.21	0.30	1.20
P-408	J-75	J-227	124	CI/R/DI	100	140	0.22	0.32	1.30
P-409	J-44	J-64	125	CI/R/DI	100	140	0.15	0.22	0.60
P-410	J-219	J-103	125	CI/R/DI	100	140	-0.12	0.17	0.40
P-411	J-380	J-192	158	CI/R/DI	100	140	0.21	0.32	1.30
P-412	J-145	J-35	127	CI/R/DI	100	140	-0.16	0.24	0.70
P-413	J-362	J-338	127	CI/R/DI	100	140	0.01	0.01	0.00
P-414	J-322	J-4	128	CI/R/DI	100	140	0.19	0.29	1.10
P-415	J-356	J-351	161	CI/R/DI	100	140	-0.28	0.41	2.00
P-416	J-255	J-215	129	CI/R/DI	100	140	-0.12	0.18	0.40
P-417	J-398	J-255	130	CI/R/DI	100	140	-0.17	0.24	0.80
P-418	J-274	J-14	174	CI/R/DI	100	140	-0.04	0.06	0.10
P-419	J-345	J-1	131	CI/R/DI	100	140	-0.42	0.62	4.40
P-420	J-351	J-335	164	CI/R/DI	100	140	0.07	0.10	0.10
P-421	J-198	J-50	132	CI/R/DI	100	140	-0.02	0.03	0.00
P-422	J-273	J-199	185	CI/R/DI	100	140	0.04	0.06	0.10
P-423	J-51	J-197	133	CI/R/DI	100	140	0.07	0.11	0.20
P-424	J-167	J-210	160	CI/R/DI	100	140	0.01	0.01	0.00
P-425	J-366	J-222	138	CI/R/DI	100	140	-0.09	0.14	0.30
P-426	J-154	J-184	135	CI/R/DI	100	140	0.03	0.04	0.00
P-427	J-295	J-181	135	CI/R/DI	100	140	-0.19	0.28	1.00
P-428	J-324	J-440	239	CI/R/DI	100	140	0.20	0.29	1.10
P-429	J-11	J-341	132	CI/R/DI	100	140	-0.19	0.28	1.00
P-430	J-103	J-318	177	CI/R/DI	100	140	0.17	0.24	0.80
P-431	J-205	J-230	203	CI/R/DI	100	140	0.31	0.46	2.50
P-432	J-119	J-294	140	CI/R/DI	100	140	0.18	0.27	0.90
P-433	J-375	J-358	138	CI/R/DI	100	140	-0.31	0.45	2.40
P-434	J-182	J-29	145	CI/R/DI	100	140	0.18	0.26	0.90
P-435	J-63	J-98	145	CI/R/DI	100	140	-0.30	0.44	2.30
P-436	J-138	J-166	146	CI/R/DI	100	140	0.14	0.20	0.60
P-437	J-250	J-146	148	CI/R/DI	100	140	0.19	0.29	1.00
P-438	J-363	J-119	198	CI/R/DI	100	140	-0.16	0.24	0.80
P-439	J-399	J-70	151	CI/R/DI	100	140	-0.04	0.05	0.00
P-440	J-220	J-248	150	CI/R/DI	100	140	-0.18	0.26	0.90
P-441	J-11	J-337	156	CI/R/DI	100	140	-0.24	0.36	1.60
P-442	J-80	J-220	211	CI/R/DI	100	140	-0.04	0.05	0.00
P-443	J-341	J-363	201	CI/R/DI	100	140	-0.11	0.16	0.40
P-444	J-175	J-79	165	CI/R/DI	100	140	0.28	0.41	2.10
P-445	J-73	J-400	161	CI/R/DI	100	140	0.04	0.06	0.10
P-446	J-229	J-275	161	CI/R/DI	100	140	-0.31	0.46	2.50
P-447	J-7	J-109	164	CI/R/DI	100	140	0.17	0.26	0.90
P-448	J-110	J-137	162	CI/R/DI	100	140	-0.16	0.24	0.70
P-449	J-36	J-324	161	CI/R/DI	100	140	0.25	0.37	1.70
P-450	J-140	J-491	161	CI/R/DI	100	140	-0.28	0.42	2.10

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-451	J-328	J-329	165	CI/R/DI	100	140	0.32	0.47	2.60
P-452	J-264	J-10	173	CI/R/DI	100	140	0.19	0.29	1.10
P-453	J-297	J-255	171	CI/R/DI	100	140	-0.22	0.33	1.40
P-454	J-264	J-209	172	CI/R/DI	100	140	0.35	0.51	3.10
P-455	J-104	J-129	172	CI/R/DI	100	140	0.00	0.01	0.00
P-456	J-307	J-296	180	CI/R/DI	100	140	-0.14	0.20	0.50
P-457	J-209	J-43	188	CI/R/DI	100	140	-0.22	0.32	1.30
P-458	J-274	J-364	237	CI/R/DI	100	140	-0.06	0.09	0.10
P-459	J-193	J-185	193	CI/R/DI	100	140	-0.02	0.03	0.00
P-460	J-28	J-147	204	CI/R/DI	100	140	0.04	0.06	0.10
P-461	J-376	J-377	209	CI/R/DI	100	140	-0.06	0.08	0.10
P-462	J-258	J-320	213	CI/R/DI	100	140	-0.55	0.80	7.10
P-463	J-401	J-236	216	DI/P	100	140	0.41	0.61	4.30
P-464	J-27	J-375	221	CI/R/DI	100	140	-0.05	0.08	0.10
P-465	J-237	J-150	217	CI/R/DI	100	140	-0.42	0.61	4.30
P-466	J-377	J-28	229	CI/R/DI	100	140	0.07	0.10	0.20
P-467	J-327	J-299	243	CI/R/DI	100	140	-0.28	0.41	2.10
P-468	J-300	J-328	247	CI/R/DI	100	140	0.29	0.42	2.20
P-469	J-308	J-332	247	CI/R/DI	100	140	-0.34	0.50	3.00
P-470	J-187	J-54	252	DI/P	100	140	0.34	0.50	2.90
P-471	J-358	J-300	265	CI/R/DI	100	140	0.47	0.70	5.40
P-472	J-329	J-343	369	CI/R/DI	100	140	0.21	0.31	1.20
P-473	J-17	J-170	347	CI/R/DI	100	140	0.36	0.53	3.30
P-474	J-364	J-398	105	CI/R/DI	100	140	-0.23	0.34	1.50
P-475	J-398	J-151	121	CI/R/DI	100	140	-0.15	0.22	0.70
P-476	J-42	J-372	25	CI/R/DI	100	140	-0.08	0.11	0.20
P-477	J-372	J-249	41	CI/R/DI	100	140	-0.26	0.38	1.80
P-478	J-362	J-1	82	CI/R/DI	100	140	-0.57	0.84	7.70
P-479	J-401	J-150	42	CI/R/DI	100	140	-0.15	0.23	0.70
P-480	J-339	J-385	38	CI/R/DI	100	140	-0.25	0.37	1.70
P-481	J-385	J-401	47	CI/R/DI	100	140	-0.51	0.75	6.30
P-482	J-384	J-339	33	CI/R/DI	100	140	-0.21	0.31	1.30
P-483	J-382	J-384	33	CI/R/DI	100	140	-0.05	0.07	0.10
P-484	J-402	J-292	128	CI/R/DI	100	140	-0.03	0.04	0.00
P-485	J-279	J-403	15	CI/R/DI	100	140	0.05	0.08	0.10
P-486	J-403	J-343	63	CI/R/DI	100	140	0.01	0.02	0.00
P-487	J-403	J-404	44	DI/E	100	130	0.01	0.02	0.00
P-488	J-405	J-279	4	CI/R/DI	100	140	0.22	0.32	1.40
P-489	J-405	J-406	43	DI/E	100	130	0.01	0.01	0.00
P-490	J-407	J-405	18	CI/R/DI	100	140	0.24	0.36	1.60
P-491	J-407	J-408	43	DI/E	100	130	0.01	0.01	0.00
P-492	J-409	J-407	19	CI/R/DI	100	140	0.27	0.40	2.00
P-493	J-409	J-410	41	DI/E	100	130	0.01	0.01	0.00
P-494	J-411	J-409	18	CI/R/DI	100	140	0.30	0.44	2.40
P-495	J-411	J-412	41	DI/E	100	130	0.01	0.01	0.00
P-496	J-413	J-411	18	CI/R/DI	100	140	0.33	0.48	2.80
P-497	J-413	J-414	40	DI/E	100	130	0.01	0.01	0.00
P-498	J-415	J-413	19	CI/R/DI	100	140	0.35	0.52	3.30
P-499	J-415	J-416	42	DI/E	100	130	0.01	0.01	0.00
P-500	J-417	J-415	19	CI/R/DI	100	140	0.38	0.56	3.80

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-501	J-417	J-418	42	DI/E	100	130	0.01	0.01	0.00
P-502	J-419	J-417	17	CI/R/DI	100	140	-0.24	0.35	1.60
P-503	J-419	J-420	42	DI/E	100	130	0.01	0.01	0.00
P-504	J-257	J-421	6	CI/R/DI	100	140	-0.17	0.25	0.90
P-505	J-421	J-419	19	CI/R/DI	100	140	-0.20	0.29	1.10
P-506	J-421	J-422	41	DI/E	100	130	0.01	0.01	0.00
P-507	J-423	J-257	12	CI/R/DI	100	140	0.28	0.41	2.10
P-508	J-423	J-424	40	DI/E	100	130	0.01	0.01	0.00
P-509	J-425	J-423	19	CI/R/DI	100	140	0.30	0.45	2.50
P-510	J-425	J-426	39	DI/E	100	130	0.01	0.01	0.00
P-511	J-330	J-427	26	CI/R/DI	100	140	0.36	0.53	3.30
P-512	J-427	J-425	18	CI/R/DI	100	140	0.33	0.49	2.90
P-513	J-427	J-428	38	DI/E	100	130	0.01	0.01	0.00
P-514	J-133	J-429	34	CI/R/DI	100	140	0.10	0.15	0.30
P-515	J-429	J-173	93	CI/R/DI	100	140	-0.07	0.10	0.20
P-516	J-204	J-430	94	CI/R/DI	100	140	0.07	0.10	0.10
P-517	J-430	J-275	46	CI/R/DI	100	140	0.16	0.24	0.80
P-518	J-429	J-430	37	CI/R/DI	100	140	0.14	0.20	0.60
P-519	J-310	J-14	108	DI/E	100	130	0.11	0.16	0.40
P-520	J-9	J-38	71	CI/R/DI	100	140	-0.02	0.02	0.00
P-521	J-38	J-316	86	CI/R/DI	100	140	-0.19	0.28	1.00
P-522	J-435	J-419	33	CI/R/DI	100	140	-0.01	0.01	0.00
P-523	J-317	J-312	59	CI/R/DI	100	140	-0.24	0.35	1.50
P-524	J-312	J-311	52	CI/R/DI	100	140	-0.22	0.33	1.40
P-525	J-311	J-308	56	CI/R/DI	100	140	-0.17	0.25	0.80
P-526	J-196	J-436	97	CI/R/DI	100	140	0.24	0.35	1.50
P-527	J-436	J-133	54	CI/R/DI	100	140	0.24	0.36	1.60
P-528	J-6	J-437	133	CI/R/DI	100	140	-0.16	0.24	0.80
P-529	J-437	J-195	100	CI/R/DI	100	140	-0.27	0.40	2.00
P-530	J-436	J-437	36	CI/R/DI	100	140	-0.05	0.07	0.10
P-531	J-137	J-438	48	CI/R/DI	100	140	-0.28	0.41	2.10
P-532	J-438	J-127	29	CI/R/DI	100	140	0.04	0.06	0.10
P-533	J-23	J-439	129	CI/R/DI	100	140	0.17	0.24	0.80
P-534	J-438	J-439	45	CI/R/DI	100	140	0.25	0.37	1.70
P-535	J-211	J-241	158	CI/R/DI	100	140	0.18	0.26	0.90
P-536	J-41	J-280	8	CI/R/DI	100	140	0.40	0.59	4.20
P-537	J-280	J-268	49	CI/R/DI	100	140	0.26	0.38	1.80
P-538	J-393	J-391	39	CI/R/DI	100	140	0.04	0.06	0.10
P-539	J-391	J-53	102	CI/R/DI	100	140	0.30	0.44	2.30
P-540	J-440	J-370	61	CI/R/DI	100	140	0.05	0.08	0.10
P-541	J-117	J-441	21	CI/R/DI	100	140	0.02	0.03	0.00
P-542	J-241	J-442	125	CI/R/DI	100	140	0.11	0.16	0.40
P-543	J-280	J-444	51	CI/R/DI	100	140	0.04	0.07	0.10
P-544	J-69	J-445	17	CI/R/DI	100	140	0.01	0.02	0.00
P-545	J-446	J-161	74	CI/R/DI	100	140	-0.06	0.09	0.10
P-546	J-161	J-447	107	CI/R/DI	100	140	0.09	0.14	0.30
P-547	J-448	J-306	109	CI/R/DI	100	140	-0.10	0.14	0.30
P-548	J-440	J-147	141	DI/P	100	140	0.04	0.06	0.10
P-549	J-166	J-450	54	CI/R/DI	100	140	0.01	0.02	0.00
P-550	J-238	J-451	96	CI/R/DI	100	140	0.02	0.03	0.00

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-551	J-245	J-452	30	CI/R/DI	100	140	0.01	0.01	0.00
P-552	J-453	J-221	24	CI/R/DI	100	140	-0.01	0.01	0.00
P-553	J-454	J-229	26	CI/R/DI	100	140	-0.01	0.01	0.00
P-554	J-6	J-455	26	CI/R/DI	100	140	0.01	0.01	0.00
P-555	J-456	J-93	238	CI/R/DI	100	140	-0.06	0.08	0.10
P-556	J-67	J-457	237	CI/R/DI	100	140	0.06	0.08	0.10
P-557	J-458	J-315	236	CI/R/DI	100	140	-0.06	0.08	0.10
P-558	J-459	J-34	102	CI/R/DI	100	140	-0.02	0.04	0.00
P-559	J-387	J-460	117	CI/R/DI	100	140	0.03	0.04	0.00
P-560	J-296	J-461	43	CI/R/DI	100	140	0.01	0.02	0.00
P-561	J-462	J-307	46	CI/R/DI	100	140	-0.01	0.02	0.00
P-562	J-463	J-13	22	CI/R/DI	100	140	-0.02	0.03	0.00
P-563	J-464	J-465	22	CI/R/DI	100	140	-0.02	0.03	0.00
P-564	J-302	J-256	145	CI/R/DI	100	140	-0.18	0.26	0.90
P-565	J-256	J-301	134	CI/R/DI	100	140	0.50	0.73	6.00
P-566	J-366	J-490	177	CI/R/DI	100	140	-0.23	0.33	1.40
P-567	J-465	J-54	80	CI/R/DI	100	140	-0.01	0.02	0.00
P-568	J-466	J-66	20	CI/R/DI	100	140	-0.18	0.27	0.90
P-569	J-465	J-466	252	DI/P	100	140	-0.31	0.46	2.50
P-570	J-467	J-363	70	CI/R/DI	100	140	-0.02	0.02	0.00
P-571	J-65	J-468	119	CI/R/DI	100	140	0.03	0.04	0.00
P-572	J-313	J-214	91	CI/R/DI	100	140	-0.02	0.03	0.00
P-573	J-214	J-148	187	CI/R/DI	100	140	-0.40	0.58	3.90
P-574	J-189	J-105	39	CI/R/DI	100	140	0.36	0.53	3.30
P-575	J-105	J-130	151	CI/R/DI	100	140	0.03	0.04	0.00
P-576	J-165	J-142	103	CI/R/DI	100	140	-0.27	0.40	1.90
P-577	J-142	J-393	11	CI/R/DI	100	140	-0.23	0.34	1.50
P-578	J-91	J-347	98	CI/R/DI	100	140	0.23	0.34	1.50
P-579	J-347	J-350	23	CI/R/DI	100	140	0.25	0.37	1.70
P-580	J-350	J-223	17	CI/R/DI	100	140	0.16	0.23	0.70
P-581	J-346	J-91	34	CI/R/DI	100	140	-0.40	0.59	4.00
P-582	J-108	J-349	21	CI/R/DI	100	140	-0.34	0.51	3.10
P-583	J-349	J-346	24	CI/R/DI	100	140	-0.30	0.45	2.50
P-584	J-469	J-5	39	CI/R/DI	100	140	-0.03	0.05	0.00
P-585	J-478	J-362	62	CI/R/DI	100	140	-0.30	0.44	2.30
P-586	J-471	J-357	198	CI/R/DI	100	140	-0.17	0.25	0.80
P-587	J-1	J-472	56	CI/R/DI	100	140	0.05	0.07	0.10
P-588	J-473	J-345	49	CI/R/DI	100	140	-0.04	0.06	0.10
P-589	J-42	J-475	61	CI/R/DI	100	140	0.05	0.08	0.10
P-590	J-298	J-476	73	CI/R/DI	100	140	0.06	0.09	0.10
P-591	J-316	J-477	50	CI/R/DI	100	140	0.04	0.06	0.10
P-592	J-478	J-260	140	CI/R/DI	100	140	0.12	0.18	0.40
P-593	J-259	J-479	28	CI/R/DI	100	140	0.02	0.04	0.00
P-594	J-480	J-486	371	DI/P	600	140	32.55	1.33	2.30
P-595	J-16	J-481	22	CI/R/DI	100	140	0.02	0.03	0.00
P-596	J-482	J-77	23	CI/R/DI	100	140	0.36	0.54	3.40
P-597	J-486	J-483	361	CI/E	500	80	27.21	1.60	11.00
P-598	J-434	J-484	360	CI/E	400	80	4.30	0.40	1.10
P-599	J-483	J-485	183	DI/P	500	140	27.21	1.60	4.00
P-600	J-485	J-434	181	DI/P	300	140	9.62	1.58	6.90

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-601	J-485	J-431	255	DI/P	500	140	11.16	0.66	0.80
P-602	J-431	J-470	58	DI/E	700	130	11.16	0.34	0.20
P-603	J-470	J-487	266	DI/E	700	130	3.81	0.11	0.00
P-604	J-489	J-76	192	CI/R/DI	100	140	0.55	0.81	7.20
P-605	J-30	J-482	20	CI/R/DI	100	140	0.28	0.42	2.20
P-606	J-482	J-143	127	CI/R/DI	100	140	-0.23	0.34	1.40
P-607	J-318	J-304	50	CI/R/DI	100	140	-0.22	0.32	1.30
P-608	J-304	J-219	5	CI/R/DI	100	140	-0.36	0.54	3.60
P-609	J-491	J-12	12	DI/P	250	140	1.28	0.30	0.40
P-610	J-492	J-23	8	DI/P	150	140	0.76	0.50	2.00
P-611	J-492	J-493	61	DI/P	150	140	0.51	0.34	0.90
P-612	J-493	J-298	5	DI/P	100	140	0.51	0.75	6.80
P-613	J-491	J-112	188	DI/P	150	140	0.65	0.42	1.40
P-614	J-491	J-494	79	DI/P	200	140	1.95	0.72	2.60
P-615	J-494	J-492	39	DI/P	200	140	1.28	0.47	1.20
P-616	J-494	J-438	60	DI/P	150	140	0.68	0.44	1.50
P-617	J-495	J-68	101	DI/P	150	140	0.18	0.12	0.10
P-618	J-495	J-93	6	DI/P	150	140	0.08	0.05	0.00
P-619	J-495	J-496	19	CI/E	300	80	-2.03	0.33	1.10
P-620	J-496	J-94	8	DI/P	150	140	0.41	0.27	0.60
P-621	J-496	J-497	133	CI/E	300	80	-3.46	0.57	2.90
P-622	J-497	J-358	7	DI/P	150	140	1.27	0.83	5.20
P-623	J-488	J-498	7	CI/E	300	80	-0.56	0.09	0.10
P-624	J-498	J-495	35	CI/E	300	80	-1.77	0.29	0.80
P-625	J-498	J-499	70	DI/P	150	140	1.21	0.79	4.40
P-626	J-499	J-205	148	DI/P	150	140	0.74	0.49	1.80
P-627	J-499	J-196	7	DI/P	150	140	0.47	0.31	0.80
P-628	J-500	J-501	148	DI/P	200	140	1.40	0.52	1.40
P-629	J-501	J-45	6	DI/P	150	140	0.44	0.29	0.70
P-630	J-174	J-502	35	CI/R/DI	100	140	-0.15	0.22	0.70
P-631	J-502	J-392	89	CI/R/DI	100	140	-0.18	0.27	0.90
P-632	J-62	J-392	39	CI/R/DI	100	140	0.51	0.75	6.20
P-633	J-392	J-155	35	CI/R/DI	100	140	0.29	0.42	2.20
P-634	J-501	J-503	287	DI/P	150	140	0.96	0.63	2.80
P-635	J-503	J-62	6	DI/P	150	140	-0.04	0.03	0.00
P-636	J-85	J-287	95	CI/R/DI	100	140	0.44	0.65	4.80
P-637	J-287	J-154	30	CI/R/DI	100	140	0.47	0.70	5.50
P-638	J-504	J-505	216	DI/P	200	140	1.93	0.71	2.50
P-639	J-505	J-282	8	DI/P	200	140	1.26	0.46	1.30
P-640	J-504	J-351	357	DI/P	150	140	0.85	0.56	2.20
P-641	J-506	J-507	225	DI/P	200	140	1.90	0.70	2.40
P-642	J-507	J-175	6	DI/P	150	140	1.20	0.79	4.80
P-643	J-507	J-9	216	DI/P	150	140	0.70	0.46	1.50
P-644	J-506	J-508	137	DI/P	150	140	0.99	0.65	3.00
P-645	J-508	J-118	133	DI/P	150	140	0.40	0.27	0.60
P-646	J-508	J-217	5	DI/P	100	140	0.59	0.86	8.80
P-647	J-506	J-509	72	DI/P	200	140	2.43	0.89	3.90
P-648	J-509	J-25	100	DI/P	200	140	1.15	0.42	1.00
P-649	J-509	J-228	5	DI/P	150	140	1.27	0.83	5.50
P-650	J-511	J-30	8	DI/P	200	140	0.24	0.09	0.10

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-651	J-511	J-40	129	DI/P	150	140	0.60	0.39	1.20
P-652	J-512	J-511	51	DI/P	200	140	0.84	0.31	0.60
P-653	J-512	J-171	7	DI/P	100	140	0.33	0.48	2.90
P-654	J-513	J-512	31	DI/P	200	140	1.18	0.43	1.00
P-655	J-513	J-160	6	DI/P	100	140	0.36	0.53	3.60
P-656	J-510	J-514	135	DI/P	250	140	2.25	0.53	1.10
P-657	J-514	J-513	47	DI/P	200	140	1.55	0.57	1.70
P-658	J-514	J-302	7	DI/P	200	140	0.70	0.26	0.40
P-659	J-515	J-143	38	DI/P	250	140	0.92	0.22	0.20
P-660	J-515	J-182	4	DI/P	100	140	0.30	0.44	2.50
P-661	J-510	J-516	81	DI/P	250	140	2.78	0.66	1.70
P-662	J-516	J-515	34	DI/P	250	140	1.22	0.29	0.40
P-663	J-226	J-517	32	CI/R/DI	150	140	1.09	0.72	3.60
P-664	J-517	J-191	5	CI/R/DI	150	140	1.07	0.70	3.90
P-665	J-212	J-517	237	DI/P	100	140	0.19	0.27	1.00
P-666	J-182	J-518	40	CI/R/DI	100	140	-0.02	0.04	0.00
P-667	J-518	J-186	34	CI/R/DI	100	140	0.33	0.49	2.80
P-668	J-516	J-518	5	DI/P	100	140	0.42	0.62	4.80
P-669	J-510	J-256	4	DI/P	150	140	1.41	0.92	6.90
P-670	J-519	J-359	51	CI/R/DI	100	140	-0.04	0.07	0.10
P-671	J-520	J-521	142	DI/P	250	140	3.16	0.75	2.10
P-672	J-521	J-1	81	DI/P	200	140	1.27	0.47	1.20
P-673	J-522	J-18	8	DI/P	150	140	0.78	0.51	2.10
P-674	J-520	J-523	124	DI/P	250	140	4.18	0.99	3.60
P-675	J-523	J-522	57	DI/P	250	140	2.84	0.67	1.80
P-676	J-523	J-333	7	DI/P	150	140	1.35	0.88	5.80
P-677	J-521	J-524	272	DI/P	200	140	1.89	0.70	2.40
P-678	J-524	J-22	5	DI/P	150	140	0.84	0.55	2.50
P-679	J-524	J-13	62	DI/P	150	140	0.61	0.40	1.20
P-680	J-524	J-187	38	DI/P	150	140	0.44	0.29	0.70
P-681	J-522	J-525	45	DI/P	200	140	1.60	0.59	1.80
P-682	J-525	J-401	43	DI/P	200	140	1.03	0.38	0.80
P-683	J-525	J-150	4	DI/P	150	140	0.57	0.37	1.20
P-684	J-152	J-526	339	CI/R/DI	100	140	-0.35	0.52	3.20
P-685	J-432	J-526	7	DI/P	300	140	3.81	0.62	1.50
P-686	J-527	J-90	6	DI/P	200	140	1.57	0.58	2.00
P-687	J-527	J-159	120	DI/P	150	140	0.66	0.43	1.40
P-688	J-526	J-528	233	DI/P	250	140	3.16	0.75	2.10
P-689	J-528	J-527	41	DI/P	200	140	2.23	0.82	3.40
P-690	J-528	J-248	155	DI/P	150	140	0.93	0.61	2.60
P-691	J-505	J-36	97	DI/P	150	140	0.67	0.44	1.40
P-692	J-503	J-529	110	DI/P	150	140	1.01	0.66	3.10
P-693	J-529	J-189	75	DI/P	150	140	0.70	0.46	1.60
P-694	J-529	J-156	6	DI/P	150	140	0.31	0.20	0.40
P-695	J-433	J-530	238	DI/E	200	130	3.10	1.14	7.00
P-696	J-530	J-531	192	DI/P	200	140	1.46	0.54	1.50
P-697	J-531	J-76	8	DI/P	100	140	0.02	0.03	0.00
P-698	J-531	J-532	103	DI/P	150	140	0.55	0.36	1.00
P-699	J-532	J-60	6	DI/P	150	140	0.29	0.19	0.30
P-700	J-532	J-85	56	DI/P	150	140	0.26	0.17	0.20

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-701	J-500	J-533	146	DI/P	150	140	-0.23	0.15	0.20
P-702	J-533	J-91	64	DI/P	150	140	0.65	0.43	1.40
P-703	J-533	J-531	62	DI/P	150	140	-0.89	0.58	2.40
P-704	J-496	J-534	529	DI/P	150	140	1.01	0.66	3.10
P-705	J-534	J-311	4	DI/P	100	140	0.23	0.34	1.60
P-706	J-534	J-535	218	DI/P	150	140	0.78	0.51	1.90
P-707	J-535	J-330	7	DI/P	150	140	0.13	0.08	0.10
P-708	J-535	J-417	114	DI/P	150	140	0.65	0.43	1.40
P-709	J-489	J-536	124	CI/E	300	80	0.99	0.16	0.30
P-710	J-536	J-380	78	CI/E	300	80	0.31	0.05	0.00
P-711	J-536	J-361	3	DI/P	150	140	0.68	0.45	1.80
P-712	J-489	J-537	250	DI/P	150	140	0.54	0.36	1.00
P-713	J-537	J-181	6	DI/P	150	140	0.23	0.15	0.20
P-714	J-537	J-119	61	DI/P	150	140	0.31	0.20	0.30
P-715	J-289	J-538	143	CI/R/DI	100	140	0.12	0.18	0.40
P-716	J-490	J-538	21	DI/P	200	140	1.01	0.37	0.80
P-717	J-289	J-539	44	CI/R/DI	100	140	-0.36	0.53	3.30
P-718	J-530	J-539	56	DI/E	200	130	1.64	0.61	2.20
P-719	J-539	J-490	140	DI/E	200	130	1.28	0.47	1.30
P-720	J-540	J-233	147	CI/R/DI	100	140	-0.11	0.17	0.40
P-721	J-538	J-540	53	DI/P	200	140	1.09	0.40	0.90
P-722	J-540	J-500	95	DI/P	200	140	1.17	0.43	1.00
P-723	J-433	J-541	83	CI/E	300	80	4.43	0.73	4.60
P-724	J-541	J-489	153	CI/E	300	80	2.13	0.35	1.20
P-725	J-541	J-542	169	DI/P	200	140	2.30	0.85	3.50
P-726	J-542	J-264	11	DI/P	150	140	1.32	0.86	5.40

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-727	J-542	J-320	268	DI/P	150	140	0.98	0.64	2.90
P-728	J-543	J-40	34	CI/R/DI	100	140	-0.19	0.27	1.00
P-729	J-41	J-544	34	CI/R/DI	100	140	-0.10	0.14	0.30
P-730	J-544	J-543	16	CI/R/DI	100	140	-0.14	0.21	0.60
P-731	J-504	TNHB FLATS(Under cons.)	41	DI/P	200	140	2.56	0.94	4.40
P-732	J-52	TNSCB - ASHOKA CLNY	43	CI/R/DI	100	140	0.45	0.66	5.00
P-733	J-497	FCV-1	4	CI/E	300	80	-4.73	0.77	6.00
P-734	FCV-1	J-480	33	CI/E	300	80	-4.73	0.77	5.30
P-735	J-480	FCV-2	49	CI/E	300	80	7.53	1.23	12.40
P-736	FCV-2	J-433	9	CI/E	300	80	7.53	1.23	13.10
P-737	J-486	FCV-3	15	DI/P	300	140	5.34	0.87	2.60
P-738	FCV-3	J-504	8	DI/P	300	140	5.34	0.87	2.80
P-739	J-485	FCV-4	7	DI/P	300	140	6.43	1.05	4.10
P-740	FCV-4	J-510	2	DI/P	300	140	6.43	1.05	5.60
P-741	J-434	FCV-5	40	DI/P	250	140	5.32	1.25	5.70
P-742	FCV-5	J-506	8	DI/P	250	140	5.32	1.25	6.50
P-743	J-484	FCV-6	90	DI/P	250	140	4.30	1.01	3.80
P-744	FCV-6	J-491	8	DI/P	250	140	4.30	1.01	4.40
P-745	J-470	FCV-7	48	DI/P	300	140	7.35	1.20	4.30
P-746	FCV-7	J-520	17	DI/P	300	140	7.35	1.20	4.60
P-747	J-487	FCV-8	330	DI/E	700	130	3.81	0.11	0.00
P-748	FCV-8	J-432	14	DI/E	700	130	3.81	0.11	0.00
P-749	Ashok Nagar Prop.OHT	J-480	21	DI/P	600	140	44.81	1.83	4.80
P-750	J-199	J-200	35	CI/R/DI	100	140	0.01	0.01	0.00
P-751	J-449	J-306	60	CI/R/DI	100	140	-0.05	0.07	0.10
P-752	J-123	J-124	30	CI/R/DI	100	140	-0.10	0.15	0.30
P-753	J-394	J-278	122	CI/R/DI	100	140	-0.10	0.15	0.30
P-754	J-112	J-546	5	CI/R/DI	100	140	-0.22	0.32	1.40
P-755	J-546	J-12	182	CI/R/DI	100	140	-0.22	0.32	1.30
P-756	J-79	J-8	38	CI/R/DI	100	140	-0.09	0.13	0.20
P-757	J-8	SCV-10	3	DI/P	100	140	0.00	0.00	0.00
P-758	SCV-10	J-547	3	DI/P	100	140	0.00	0.00	0.00
P-765	J-488	SCV-1	21	CI/R/DI	100	140	0.55	0.81	7.40
P-766	SCV-1	J-195	14	CI/R/DI	100	140	0.55	0.81	7.40
P-767	J-327	SCV-2	25	CI/R/DI	100	140	0.14	0.21	0.60
P-768	SCV-2	J-328	32	CI/R/DI	100	140	0.14	0.21	0.60
P-769	J-92	SCV-3	95	CI/R/DI	100	140	0.03	0.04	0.00
P-770	SCV-3	J-397	27	CI/R/DI	100	140	0.03	0.04	0.00
P-771	J-62	SCV-4	15	CI/R/DI	100	140	-0.46	0.68	5.30
P-772	SCV-4	J-63	8	CI/R/DI	100	140	-0.46	0.68	5.50
P-773	J-387	SCV-5	38	CI/R/DI	100	140	-0.28	0.42	2.10
P-774	SCV-5	J-145	49	CI/R/DI	100	140	-0.28	0.42	2.10
P-775	J-74	SCV-6	24	CI/R/DI	100	140	-0.03	0.04	0.00

PIPE TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT									
Label	**Start Node**	**Stop Node**	**Length (Scaled) (m)**	**Material**	**Diameter (mm)**	**Hazen-Williams C**	**Flow (MLD)**	**Velocity (m/s)**	**Headloss Gradient (m/km)**
P-776	SCV-6	J-33	100	CI/R/DI	100	140	-0.03	0.04	0.00
P-777	J-443	SCV-7	15	CI/R/DI	100	140	-0.06	0.08	0.10
P-778	SCV-7	J-268	51	CI/R/DI	100	140	-0.06	0.08	0.10
P-779	J-190	SCV-8	14	CI/R/DI	100	140	-0.43	0.64	4.70
P-780	SCV-8	J-191	21	CI/R/DI	100	140	-0.43	0.64	4.70
P-781	J-178	SCV-9	14	CI/R/DI	100	140	-0.03	0.04	0.00
P-782	SCV-9	J-132	20	CI/R/DI	100	140	-0.03	0.04	0.00
P-783	J-113	SCV-11	15	CI/R/DI	100	140	0.13	0.20	0.50
P-784	SCV-11	J-116	16	CI/R/DI	100	140	0.13	0.20	0.50
P-785	J-439	SCV-12	17	CI/R/DI	100	140	0.23	0.34	1.50
P-786	SCV-12	J-211	18	CI/R/DI	100	140	0.23	0.34	1.50
P-787	J-55	SCV-13	25	CI/R/DI	100	140	0.00	0.01	0.00
P-788	SCV-13	J-170	46	CI/R/DI	100	140	0.00	0.01	0.00
P-789	J-474	SCV-14	18	CI/R/DI	100	140	-0.03	0.04	0.00
P-790	SCV-14	J-382	13	CI/R/DI	100	140	-0.03	0.04	0.00
P-791	J-303	SCV-15	26	CI/R/DI	100	140	-0.05	0.07	0.10
P-792	SCV-15	J-304	28	CI/R/DI	100	140	-0.05	0.07	0.10
P-793	J-545	SCV-16	33	CI/R/DI	100	140	-0.05	0.07	0.10
P-794	SCV-16	J-318	19	CI/R/DI	100	140	-0.05	0.07	0.10

JUNCTION TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-1	7	0.24	15.00
J-2	8.57	0.07	17.00
J-3	6.13	0.13	15.00
J-4	8.63	0.07	18.00
J-5	7.09	0.17	14.00
J-6	8.66	0.06	19.00
J-7	6.13	0.26	15.00
J-8	6.08	0.03	15.00
J-9	6.07	0.08	15.00
J-10	8.74	0.08	18.00
J-11	9	0.07	18.00
J-12	6.22	0.10	15.00
J-13	7.02	0.11	15.00
J-14	8.16	0.07	16.00
J-15	6.25	0.07	15.00
J-16	6.22	0.07	15.00
J-17	7.09	0.33	15.00
J-18	7.11	0.05	15.00
J-19	7.84	0.07	18.00
J-20	6.21	0.07	15.00
J-21	7	0.12	15.00
J-22	7.01	0.11	15.00
J-23	6.18	0.15	15.00
J-24	6.11	0.15	15.00
J-25	6.2	0.07	15.00
J-26	6.22	0.08	15.00
J-27	9.73	0.05	18.00
J-28	9.67	0.13	17.00
J-29	8.17	0.17	15.00
J-30	7.79	0.03	15.00
J-31	8.08	0.05	17.00
J-32	6.28	0.07	14.00
J-33	7.11	0.05	20.00
J-34	7.25	0.06	19.00
J-35	8.3	0.05	19.00
J-36	8.25	0.05	19.00
J-37	7.08	0.02	14.00
J-38	6.17	0.16	15.00
J-39	7.2	0.22	15.00
J-40	7.06	0.06	16.00
J-41	7	0.05	16.00
J-42	7.14	0.16	15.00

JUNCTION TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-43	8.6	0.06	18.00
J-44	8.47	0.05	18.00
J-45	8.06	0.05	18.00
J-46	7.86	0.06	18.00
J-47	8.48	0.00	19.00
J-48	8.97	0.03	19.00
J-49	8.87	0.02	16.00
J-50	8.63	0.05	16.00
J-51	8.19	0.04	17.00
J-52	8.44	0.01	16.00
J-53	8.32	0.06	16.00
J-54	7	0.32	14.00
J-55	6.92	0.20	14.00
J-56	6.76	0.12	15.00
J-57	7.06	0.17	15.00
J-58	9.47	0.03	16.00
J-59	9.08	0.04	17.00
J-60	8.31	0.03	18.00
J-61	8.05	0.03	18.00
J-62	8.1	0.02	17.00
J-63	8.01	0.06	17.00
J-64	9.44	0.05	17.00
J-65	9.28	0.05	17.00
J-66	7.06	0.11	15.00
J-67	8.23	0.08	20.00
J-68	8.54	0.06	20.00
J-69	7.14	0.06	16.00
J-70	8.13	0.06	19.00
J-71	8.67	0.04	18.00
J-72	8.85	0.04	18.00
J-73	9.68	0.05	17.00
J-74	7.18	0.03	19.00
J-75	9.53	0.05	16.00
J-76	9.24	0.06	17.00
J-77	8.08	0.11	15.00
J-78	6.24	0.11	14.00
J-79	6.15	0.17	15.00
J-80	7.11	0.27	15.00
J-81	8.1	0.01	17.00
J-82	8.25	0.03	17.00
J-83	8.57	0.04	20.00
J-84	8.32	0.05	20.00

JUNCTION TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-85	8.41	0.04	18.00
J-86	8.16	0.04	17.00
J-87	7.25	0.27	14.00
J-88	7.07	0.16	14.00
J-89	6.92	0.20	15.00
J-90	6.9	0.14	15.00
J-91	8.46	0.04	17.00
J-92	8.63	0.04	17.00
J-93	8.58	0.08	20.00
J-94	8.42	0.03	20.00
J-95	6.26	0.09	15.00
J-96	8.67	0.05	16.00
J-97	8.8	0.04	16.00
J-98	8.79	0.06	17.00
J-99	8.36	0.03	17.00
J-100	9.29	0.05	17.00
J-101	7.02	0.08	16.00
J-102	7	0.13	15.00
J-103	7.06	0.29	15.00
J-104	8.74	0.06	15.00
J-105	8.81	0.05	15.00
J-106	6.24	0.13	14.00
J-107	6.09	0.19	15.00
J-108	8.83	0.02	17.00
J-109	6.1	0.22	15.00
J-110	6.18	0.20	15.00
J-111	6.19	0.11	15.00
J-112	6.28	0.05	15.00
J-113	6.01	0.11	15.00
J-114	8.15	0.04	16.00
J-115	8.77	0.05	15.00
J-116	6.11	0.11	15.00
J-117	6.12	0.10	15.00
J-118	6.17	0.10	15.00
J-119	8.58	0.09	19.00
J-120	8.89	0.03	18.00
J-121	6.13	0.14	15.00
J-122	7.02	0.18	14.00
J-123	6.18	0.06	15.00
J-124	6.1	0.08	15.00
J-125	8.06	0.03	15.00
J-126	7.11	0.03	16.00

JUNCTION TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-127	6.11	0.11	15.00
J-128	6.17	0.12	15.00
J-129	8.06	0.06	16.00
J-130	8.51	0.05	16.00
J-131	6.11	0.10	15.00
J-132	6.28	0.10	15.00
J-133	8.27	0.03	19.00
J-134	9.16	0.04	16.00
J-135	9.13	0.05	16.00
J-136	7.19	0.03	14.00
J-137	6.27	0.25	15.00
J-138	8.21	0.05	17.00
J-139	6.18	0.11	15.00
J-140	6.14	0.20	15.00
J-141	8.68	0.05	16.00
J-142	8.56	0.04	16.00
J-143	7.16	0.22	16.00
J-144	6.12	0.03	15.00
J-145	7.04	0.06	20.00
J-146	7.75	0.06	19.00
J-147	9.32	0.08	17.00
J-148	8.77	0.09	16.00
J-149	8.13	0.05	17.00
J-150	7.22	0.25	15.00
J-151	8.26	0.04	16.00
J-152	7.05	0.32	15.00
J-153	7.08	0.12	15.00
J-154	8.22	0.05	17.00
J-155	8.24	0.04	16.00
J-156	8.19	0.04	16.00
J-157	8.9	0.04	15.00
J-158	8.19	0.04	16.00
J-159	7	0.13	15.00
J-160	7.99	0.10	15.00
J-161	8.55	0.18	14.00
J-162	8.26	0.04	16.00
J-163	8.34	0.05	16.00
J-164	8.99	0.03	15.00
J-165	8.85	0.06	15.00
J-166	9.59	0.06	16.00
J-167	9.3	0.05	16.00
J-168	8.41	0.03	18.00

JUNCTION TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-169	8.76	0.01	18.00
J-170	7.28	0.37	14.00
J-171	8.11	0.10	15.00
J-172	8.61	0.05	19.00
J-173	8.72	0.04	19.00
J-174	8.31	0.04	16.00
J-175	7.09	0.22	14.00
J-176	9.56	0.04	16.00
J-177	9.7	0.04	16.00
J-178	6.05	0.03	15.00
J-179	7.06	0.11	14.00
J-180	8.82	0.04	17.00
J-181	8.97	0.05	18.00
J-182	8.07	0.19	15.00
J-183	8.1	0.06	17.00
J-184	8.14	0.05	17.00
J-185	8.68	0.06	15.00
J-186	8	0.30	15.00
J-187	7.24	0.33	15.00
J-188	8.35	0.05	16.00
J-189	8.68	0.05	16.00
J-190	7.07	0.17	15.00
J-191	6.98	0.21	16.00
J-192	8.57	0.09	19.00
J-193	8.65	0.06	16.00
J-194	8.59	0.04	16.00
J-195	8.03	0.04	20.00
J-196	8.65	0.04	19.00
J-197	8.07	0.05	17.00
J-198	8.46	0.05	17.00
J-199	9.9	0.07	17.00
J-200	9.51	0.01	17.00
J-201	7.11	0.22	14.00
J-202	9.4	0.04	17.00
J-203	9.03	0.05	17.00
J-204	8.1	0.04	19.00
J-205	8.67	0.07	19.00
J-206	9.19	0.05	16.00
J-207	9.05	0.04	17.00
J-208	8.39	0.04	18.00
J-209	8.81	0.09	18.00
J-210	9.36	0.07	16.00

JUNCTION TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-211	6.27	0.21	15.00
J-212	8.1	0.36	15.00
J-213	8.97	0.04	16.00
J-214	8.72	0.08	16.00
J-215	8.39	0.06	16.00
J-216	8.5	0.07	16.00
J-217	7.06	0.13	14.00
J-218	7	0.03	14.00
J-219	6.12	0.15	16.00
J-220	6.29	0.38	16.00
J-221	9.72	0.04	17.00
J-222	9.41	0.05	16.00
J-223	8.54	0.03	17.00
J-224	8.87	0.05	16.00
J-225	8.69	0.05	16.00
J-226	7.03	0.19	16.00
J-227	8.91	0.06	17.00
J-228	7.09	0.20	14.00
J-229	9.42	0.05	18.00
J-230	8.88	0.07	18.00
J-231	6.14	0.12	15.00
J-232	9.18	0.01	17.00
J-233	9.76	0.06	16.00
J-234	8.53	0.05	17.00
J-235	8.93	0.01	17.00
J-236	7.15	0.33	14.00
J-237	7.09	0.26	14.00
J-238	9.4	0.04	17.00
J-239	8.01	0.07	16.00
J-240	8.19	0.01	16.00
J-241	6.12	0.28	15.00
J-242	7.03	0.11	15.00
J-243	7.01	0.18	15.00
J-244	7.18	0.04	14.00
J-245	9.37	0.06	17.00
J-246	8.78	0.05	18.00
J-247	8.79	0.05	18.00
J-248	7.08	0.25	15.00
J-249	7.06	0.18	15.00
J-250	8.84	0.06	18.00
J-251	8.36	0.03	16.00
J-252	8.45	0.04	15.00

JUNCTION TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-253	6.28	0.17	15.00
J-254	7.02	0.04	14.00
J-255	8.45	0.11	16.00
J-256	7.87	0.28	15.00
J-257	8.65	0.01	17.00
J-258	8.36	0.09	16.00
J-259	7.28	0.17	14.00
J-260	7.07	0.12	14.00
J-261	6.94	0.15	14.00
J-262	7.08	0.19	16.00
J-263	7.16	0.22	15.00
J-264	8.49	0.09	18.00
J-265	6.28	0.18	15.00
J-266	7.27	0.17	14.00
J-267	9.45	0.06	17.00
J-268	6.23	0.15	16.00
J-269	6.19	0.05	16.00
J-270	7.06	0.24	15.00
J-271	7.17	0.09	15.00
J-272	6.14	0.19	15.00
J-273	9.57	0.08	17.00
J-274	8.74	0.11	15.00
J-275	8.93	0.06	19.00
J-276	8.89	0.01	15.00
J-277	6.22	0.05	14.00
J-278	6.16	0.09	14.00
J-279	9.15	0.02	17.00
J-280	7.02	0.09	16.00
J-281	8.31	0.06	18.00
J-282	8.26	0.05	19.00
J-283	6.11	0.15	15.00
J-284	7.28	0.04	14.00
J-285	8.08	0.04	16.00
J-286	8.38	0.01	15.00
J-287	8.84	0.04	17.00
J-288	8.53	0.05	17.00
J-289	8.62	0.06	17.00
J-290	8.44	0.06	19.00
J-291	8.74	0.06	19.00
J-292	9.66	0.06	16.00
J-293	9.09	0.01	17.00
J-294	8.86	0.08	18.00

JUNCTION TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-295	8.56	0.08	19.00
J-296	8.87	0.07	18.00
J-297	8.51	0.07	15.00
J-298	6.18	0.17	15.00
J-299	8.92	0.09	18.00
J-300	8.71	0.13	18.00
J-301	7.11	0.22	15.00
J-302	8.16	0.27	15.00
J-303	6.14	0.05	16.00
J-304	6.11	0.10	16.00
J-305	8.05	0.04	15.00
J-306	9.16	0.20	14.00
J-307	9.17	0.07	18.00
J-308	8.63	0.11	18.00
J-309	8.04	0.06	18.00
J-310	8.76	0.06	15.00
J-311	8.82	0.08	18.00
J-312	9.14	0.08	17.00
J-313	8.64	0.02	16.00
J-314	6.1	0.06	14.00
J-315	8.16	0.09	20.00
J-316	7.15	0.17	14.00
J-317	9.89	0.05	16.00
J-318	6.8	0.29	15.00
J-319	6.65	0.05	15.00
J-320	8.37	0.08	18.00
J-321	8.64	0.05	17.00
J-322	8.93	0.06	18.00
J-323	7.02	0.05	15.00
J-324	9.2	0.11	18.00
J-325	8.17	0.01	16.00
J-326	9.38	0.01	17.00
J-327	8.12	0.09	18.00
J-328	8.34	0.11	18.00
J-329	8.73	0.14	17.00
J-330	8.92	0.04	17.00
J-331	8.84	0.05	15.00
J-332	8.62	0.11	19.00
J-333	7.18	0.23	15.00
J-334	7.18	0.19	15.00
J-335	7.45	0.07	20.00
J-336	9.89	0.01	17.00

JUNCTION TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-337	8.71	0.08	18.00
J-338	7.14	0.29	15.00
J-339	7.03	0.19	15.00
J-340	8.97	0.06	18.00
J-341	9.32	0.09	18.00
J-342	9.31	0.01	18.00
J-343	9.68	0.12	16.00
J-344	8.85	0.05	19.00
J-345	7.15	0.23	15.00
J-346	8.31	0.03	17.00
J-347	8.84	0.04	17.00
J-348	8.82	0.06	19.00
J-349	8.29	0.03	17.00
J-350	8.72	0.03	17.00
J-351	8.01	0.09	19.00
J-352	8.55	0.07	18.00
J-353	8.55	0.06	18.00
J-354	8.62	0.05	18.00
J-355	7.38	0.05	19.00
J-356	7.14	0.07	20.00
J-357	7.07	0.23	15.00
J-358	8.88	0.11	20.00
J-359	7.05	0.20	15.00
J-360	7.18	0.22	15.00
J-361	8.86	0.06	19.00
J-362	7.01	0.30	15.00
J-363	8.57	0.13	18.00
J-364	8.04	0.10	16.00
J-365	7.31	0.07	19.00
J-366	8.59	0.09	17.00
J-367	8.71	0.07	18.00
J-368	9.6	0.02	16.00
J-369	7.22	0.24	15.00
J-370	9.7	0.06	17.00
J-371	7.04	0.06	15.00
J-372	7.19	0.12	15.00
J-373	8.37	0.05	19.00
J-374	8.56	0.08	20.00
J-375	8.78	0.10	19.00
J-376	8.6	0.07	18.00
J-377	8.63	0.12	18.00
J-378	8.66	0.04	19.00

JUNCTION TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-379	8.03	0.06	19.00
J-380	8.59	0.06	19.00
J-381	8.36	0.02	19.00
J-382	7	0.13	15.00
J-383	8.25	0.08	19.00
J-384	7.03	0.13	15.00
J-385	7.25	0.15	15.00
J-386	8.82	0.08	18.00
J-387	7.01	0.07	20.00
J-388	8.36	0.02	16.00
J-389	7.23	0.07	19.00
J-390	8.28	0.02	15.00
J-391	8.2	0.06	16.00
J-392	8.78	0.04	16.00
J-393	8.74	0.03	16.00
J-394	6.24	0.10	14.00
J-395	8.81	0.02	15.00
J-396	8.27	0.03	16.00
J-397	7.76	0.03	18.00
J-398	8.2	0.08	16.00
J-399	8.83	0.04	18.00
J-400	9.55	0.04	17.00
J-401	6.96	0.27	15.00
J-402	9.22	0.03	16.00
J-403	9.74	0.03	16.00
J-404	9.76	0.01	16.00
J-405	9.18	0.02	16.00
J-406	9.53	0.01	16.00
J-407	9.33	0.02	16.00
J-408	9.39	0.01	16.00
J-409	9.57	0.02	16.00
J-410	9.41	0.01	16.00
J-411	9.57	0.02	16.00
J-412	9.5	0.01	16.00
J-413	9.24	0.02	17.00
J-414	8.85	0.01	17.00
J-415	9.06	0.02	17.00
J-416	8.66	0.01	17.00
J-417	8.98	0.02	17.00
J-418	8.63	0.01	17.00
J-419	8.63	0.03	17.00
J-420	8.35	0.01	18.00

JUNCTION TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-421	8.58	0.02	17.00
J-422	8.52	0.01	17.00
J-423	8.76	0.02	17.00
J-424	8.78	0.01	17.00
J-425	8.74	0.02	17.00
J-426	8.77	0.01	17.00
J-427	8.57	0.02	17.00
J-428	8.59	0.01	17.00
J-429	8.47	0.04	19.00
J-430	8.39	0.04	19.00
J-431	7.05	0.00	16.00
J-432	6.19	0.00	17.00
J-433	8.39	0.00	20.00
J-434	7.11	0.00	15.00
J-435	9.17	0.01	17.00
J-436	8.4	0.04	19.00
J-437	8.85	0.06	19.00
J-438	6.29	0.11	15.00
J-439	6.02	0.18	15.00
J-440	9.41	0.10	17.00
J-441	6.11	0.02	15.00
J-442	6.17	0.11	14.00
J-443	6.18	0.06	16.00
J-444	7.09	0.04	16.00
J-445	7.13	0.01	16.00
J-446	8.08	0.06	15.00
J-447	8.07	0.09	15.00
J-448	8.52	0.10	14.00
J-449	9.21	0.05	13.00
J-450	9.27	0.01	16.00
J-451	9.45	0.02	17.00
J-452	9.2	0.01	17.00
J-453	9.54	0.01	17.00
J-454	9.64	0.01	17.00
J-455	8.57	0.01	19.00
J-456	8.69	0.06	19.00
J-457	8.49	0.06	20.00
J-458	8.26	0.06	20.00
J-459	7.21	0.02	19.00
J-460	7.26	0.03	20.00
J-461	8.27	0.01	19.00
J-462	9.13	0.01	18.00

JUNCTION TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-463	7.23	0.02	14.00
J-464	7.18	0.02	14.00
J-465	7.11	0.31	14.00
J-466	7	0.25	15.00
J-467	8.56	0.02	18.00
J-468	9.68	0.03	17.00
J-469	7.07	0.03	14.00
J-470	7.02	0.00	16.00
J-471	7.01	0.17	15.00
J-472	7.23	0.05	15.00
J-473	7.1	0.04	15.00
J-474	6.95	0.03	15.00
J-475	6.99	0.05	15.00
J-476	6.12	0.06	15.00
J-477	7.04	0.04	14.00
J-478	7.19	0.18	14.00
J-479	7.11	0.02	14.00
J-480	8.86	0.00	20.00
J-481	6.13	0.02	15.00
J-482	8	0.15	15.00
J-483	8.43	0.00	16.00
J-484	6.26	0.00	15.00
J-485	7.71	0.00	16.00
J-486	9.75	0.00	18.00
J-487	7.05	0.00	16.00
J-488	8.36	0.01	20.00
J-489	8.71	0.05	19.00
J-490	8.57	0.04	17.00
J-491	6.23	0.14	15.00
J-492	6.18	0.00	15.00
J-493	6.18	0.00	15.00
J-494	6.17	0.00	15.00
J-495	8.53	0.00	20.00
J-496	8.35	0.00	20.00
J-497	8.83	0.00	20.00
J-498	8.28	0.00	20.00
J-499	8.7	0.00	19.00
J-500	8.62	0.00	17.00
J-501	7.98	0.00	18.00
J-502	8.79	0.03	16.00
J-503	8.16	0.00	17.00
J-504	9.3	0.00	19.00

JUNCTION TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-505	8.12	0.00	19.00
J-506	7.11	0.00	15.00
J-507	7.09	0.00	14.00
J-508	7.07	0.00	14.00
J-509	7.09	0.00	14.00
J-510	8.07	0.00	15.00
J-511	7.96	0.00	15.00
J-512	8.12	0.01	15.00
J-513	7.96	0.01	15.00
J-514	8.15	0.00	15.00
J-515	8.09	0.00	15.00
J-516	8.05	0.00	15.00
J-517	7.04	0.21	16.00
J-518	8	0.07	15.00
J-519	7.2	0.04	15.00
J-520	7.06	0.00	16.00
J-521	7.02	0.00	15.00
J-522	7.17	0.05	15.00
J-523	7.17	0.00	15.00
J-524	7.01	0.00	15.00
J-525	7.22	0.00	15.00
J-526	6.22	0.30	17.00
J-527	6.64	0.00	16.00
J-528	6.27	0.00	16.00
J-529	8.22	0.00	16.00
J-530	8.72	0.00	18.00
J-531	9.36	0.00	17.00
J-532	8.37	0.00	18.00
J-533	9.41	0.00	17.00
J-534	8.85	0.00	18.00
J-535	8.83	0.00	17.00
J-536	8.88	0.00	19.00
J-537	8.96	0.00	18.00
J-538	8.7	0.03	17.00
J-539	8.87	0.01	17.00
J-540	8.65	0.03	17.00
J-541	8.93	0.00	19.00
J-542	8.68	0.00	18.00
J-543	7.16	0.04	16.00
J-544	7.07	0.04	16.00
TNHB FLATS(Under cons.)	9.42	2.56	18.00
TNSCB -ASHOKA CLNY	8.53	0.45	15.00

JUNCTION TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-545	6.87	0.05	15.00
J-546	6.26	0.00	15.00
J-547	6.07	0.00	15.00

RESERVOIR TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT	
Label	**Elevation (m)**
KK Nagar new WDS UGR	6.47

TANK TABLE-ASHOK NAGAR WDS-06 PROPOSED OHT					
Label	**Elevation (Base) (m)**	**Elevation (Minimum) (m)**	**Elevation (Initial) (m)**	**Elevation (Maximum) (m)**	**Flow (Out net) (MLD)**
ASHOK NAGAR WDS-06 PROPOSED OHT	25.73	26.03	30	30.73	28.73

PIPE TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1	J-17	J-18	5	CI/R/DI	100	140	-0.44	0.65	5.20
P-2	J-2	J-19	7	CI/R/DI	100	140	-0.02	0.02	0.00
P-3	J-22	J-23	10	CI/R/DI	100	140	-0.11	0.16	0.40
P-4	J-24	J-25	11	CI/R/DI	100	140	-0.25	0.37	1.70
P-5	J-27	J-28	12	CI/R/DI	100	140	-0.18	0.26	0.90
P-6	J-29	J-30	12	CI/R/DI	100	140	0.03	0.04	0.00
P-7	J-32	J-33	14	CI/R/DI	100	140	-0.14	0.20	0.60
P-8	J-34	J-35	14	CI/R/DI	100	140	0.39	0.57	3.90
P-9	J-37	J-38	16	CI/R/DI	100	140	-0.35	0.52	3.20
P-10	J-39	J-40	20	CI/R/DI	100	140	0.11	0.17	0.40
P-11	J-41	J-42	16	CI/R/DI	100	140	-0.11	0.17	0.40
P-12	J-44	J-45	17	CI/R/DI	100	140	0.26	0.39	1.90
P-13	J-46	J-47	17	CI/R/DI	100	140	0.01	0.02	0.00
P-14	J-48	J-49	21	CI/R/DI	100	140	0.47	0.69	5.40
P-15	J-160	J-52	25	CI/R/DI	100	140	0.15	0.22	0.60
P-16	J-53	J-54	19	CI/R/DI	100	140	-0.25	0.37	1.70
P-17	J-55	J-33	20	CI/R/DI	100	140	-0.58	0.86	8.20
P-18	J-56	J-57	20	CI/R/DI	100	140	0.21	0.30	1.20
P-19	J-58	J-34	19	CI/R/DI	100	140	-0.63	0.93	9.60
P-20	J-36	J-59	37	CI/R/DI	100	140	-0.09	0.13	0.20
P-21	J-61	J-62	22	CI/R/DI	100	140	-0.19	0.28	1.00
P-22	J-63	J-64	21	CI/R/DI	100	140	0.01	0.01	0.00
P-23	J-65	J-66	24	DI/E	100	130	-0.12	0.17	0.50
P-24	J-67	J-56	25	CI/R/DI	100	140	-0.48	0.70	5.60
P-25	J-54	J-68	25	CI/R/DI	100	140	-0.08	0.11	0.20
P-26	J-70	J-48	22	CI/R/DI	100	140	-0.43	0.63	4.60
P-27	J-71	J-32	25	CI/R/DI	100	140	0.04	0.06	0.10
P-28	J-43	J-36	42	CI/R/DI	100	140	-0.11	0.16	0.40
P-29	J-40	J-72	26	CI/R/DI	100	140	0.28	0.42	2.10
P-30	J-73	J-74	26	CI/R/DI	100	140	0.02	0.03	0.00
P-31	J-76	J-12	27	CI/R/DI	100	140	0.05	0.07	0.10
P-32	J-30	J-77	28	CI/R/DI	100	140	-0.09	0.13	0.20
P-33	J-78	J-79	28	CI/R/DI	100	140	0.11	0.16	0.40
P-34	J-80	J-81	29	CI/R/DI	100	140	0.02	0.04	0.00
P-35	J-82	J-83	29	CI/R/DI	100	140	0.16	0.24	0.80
P-36	J-20	J-69	38	CI/R/DI	100	140	-0.35	0.51	3.10
P-37	J-84	J-85	30	DI/E	100	130	-0.03	0.04	0.00
P-38	J-86	J-87	30	DI/E	100	130	-0.13	0.20	0.60
P-39	J-85	J-88	29	DI/E	100	130	-0.17	0.25	0.90
P-40	J-89	J-53	30	CI/R/DI	100	140	0.04	0.06	0.10
P-41	J-90	J-39	26	CI/R/DI	100	140	0.53	0.79	7.00
P-42	J-45	J-91	32	CI/R/DI	100	140	0.15	0.22	0.70
P-43	J-77	J-92	32	CI/R/DI	100	140	0.10	0.14	0.30
P-44	J-66	J-84	32	DI/E	100	130	-0.26	0.39	2.10
P-45	J-94	J-9	35	CI/R/DI	100	140	-0.09	0.14	0.30
P-46	J-95	J-41	33	CI/R/DI	100	140	-0.32	0.47	2.70

PIPE TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-47	J-97	J-153	40	CI/R/DI	100	140	-0.33	0.49	2.80
P-48	J-98	J-80	34	CI/R/DI	100	140	-0.11	0.17	0.40
P-49	J-88	J-86	34	DI/E	100	130	-0.51	0.75	7.20
P-50	J-99	J-100	35	CI/R/DI	100	140	-0.30	0.44	2.30
P-51	J-102	J-103	36	CI/R/DI	100	140	-0.10	0.15	0.30
P-52	J-88	J-104	38	CI/R/DI	100	140	0.17	0.25	0.90
P-53	J-105	J-106	36	CI/R/DI	100	140	0.03	0.05	0.00
P-54	J-9	J-65	37	DI/E	100	130	-0.34	0.50	3.40
P-55	J-34	J-100	39	CI/R/DI	100	140	0.55	0.82	7.40
P-56	J-107	J-108	41	CI/R/DI	100	140	-0.35	0.52	3.20
P-57	J-19	J-42	35	CI/R/DI	100	140	0.21	0.31	1.30
P-58	J-21	J-89	38	CI/R/DI	100	140	0.07	0.11	0.20
P-59	J-110	J-15	38	CI/R/DI	100	140	0.23	0.34	1.40
P-60	J-31	J-111	38	CI/R/DI	100	140	0.44	0.65	4.90
P-61	J-112	J-27	39	CI/R/DI	100	140	-0.03	0.05	0.00
P-62	J-71	J-113	37	CI/R/DI	100	140	0.03	0.05	0.00
P-63	J-1	J-93	36	CI/R/DI	100	140	-0.03	0.05	0.00
P-64	J-59	J-165	230	CI/R/DI	100	140	-0.12	0.18	0.40
P-65	J-28	J-44	40	CI/R/DI	100	140	-0.30	0.44	2.30
P-66	J-14	J-71	39	CI/R/DI	100	140	0.11	0.16	0.40
P-67	J-117	J-2	37	CI/R/DI	100	140	0.50	0.73	6.00
P-68	J-118	J-119	41	CI/R/DI	100	140	0.16	0.24	0.80
P-69	J-44	J-120	41	CI/R/DI	100	140	0.03	0.05	0.00
P-70	J-92	J-30	59	CI/R/DI	100	140	-0.03	0.05	0.00
P-71	J-121	J-122	47	CI/R/DI	100	140	0.38	0.56	3.60
P-72	J-38	J-123	41	CI/R/DI	100	140	-0.28	0.42	2.10
P-73	J-18	J-37	43	CI/R/DI	100	140	0.11	0.16	0.40
P-74	J-124	J-14	39	CI/R/DI	100	140	-0.13	0.19	0.50
P-75	J-125	J-45	42	CI/R/DI	100	140	-0.04	0.05	0.00
P-76	J-103	J-126	42	CI/R/DI	100	140	0.04	0.05	0.00
P-77	J-7	J-6	42	CI/R/DI	100	140	0.09	0.14	0.30
P-78	J-128	J-26	53	CI/R/DI	100	140	-0.63	0.92	9.20
P-79	J-49	J-165	46	CI/R/DI	100	140	0.31	0.45	2.50
P-80	J-64	J-129	43	CI/R/DI	100	140	0.17	0.26	0.90
P-81	J-130	J-102	43	CI/R/DI	100	140	-0.45	0.66	5.00
P-82	J-35	J-131	44	CI/R/DI	100	140	0.23	0.34	1.50
P-83	J-33	J-132	41	CI/R/DI	100	140	0.55	0.80	7.20
P-84	J-133	J-134	44	CI/R/DI	100	140	0.28	0.42	2.10
P-85	J-28	J-135	45	CI/R/DI	100	140	0.04	0.06	0.10
P-86	J-79	J-136	45	CI/R/DI	100	140	-0.15	0.22	0.70
P-87	J-137	J-138	45	CI/R/DI	100	140	-0.28	0.41	2.10
P-88	J-98	J-95	46	CI/R/DI	100	140	-0.12	0.17	0.40
P-89	J-25	J-19	45	CI/R/DI	100	140	-0.35	0.52	3.20
P-90	J-139	J-140	47	CI/R/DI	100	140	0.41	0.61	4.30
P-91	J-18	J-137	48	CI/R/DI	100	140	-0.12	0.18	0.50
P-92	J-141	J-111	50	CI/R/DI	100	140	0.22	0.33	1.40

PIPE TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-93	J-134	J-127	46	CI/R/DI	100	140	0.19	0.28	1.00
P-94	J-111	J-142	49	CI/R/DI	100	140	0.05	0.07	0.10
P-95	J-16	J-143	47	CI/R/DI	100	140	0.21	0.30	1.20
P-96	J-87	J-108	44	DI/E	100	130	-0.28	0.41	2.30
P-97	J-91	J-144	48	CI/R/DI	100	140	0.04	0.06	0.10
P-98	J-26	J-96	45	CI/R/DI	100	140	-0.41	0.60	4.20
P-99	J-142	J-40	45	CI/R/DI	100	140	-0.52	0.76	6.50
P-100	J-72	J-145	52	CI/R/DI	100	140	0.44	0.65	4.80
P-101	J-140	J-61	49	CI/R/DI	100	140	0.31	0.45	2.50
P-102	J-146	J-20	51	CI/R/DI	100	140	-0.29	0.42	2.20
P-103	J-16	J-110	52	CI/R/DI	100	140	-0.55	0.80	7.10
P-104	J-87	J-148	47	DI/E	100	130	0.04	0.06	0.10
P-105	J-41	J-80	51	CI/R/DI	100	140	0.26	0.39	1.80
P-106	J-80	J-25	49	CI/R/DI	100	140	-0.01	0.02	0.00
P-107	J-150	J-151	53	CI/R/DI	100	140	-0.24	0.35	1.60
P-108	J-154	J-86	51	CI/R/DI	100	140	-0.04	0.06	0.10
P-109	J-10	J-63	58	CI/R/DI	100	140	-0.21	0.30	1.20
P-110	J-155	J-130	54	CI/R/DI	100	140	-0.21	0.31	1.20
P-111	J-17	J-127	50	CI/R/DI	100	140	-0.04	0.06	0.10
P-112	J-96	J-114	214	CI/R/DI	100	140	0.44	0.65	4.90
P-113	J-115	J-73	55	CI/R/DI	100	140	-0.16	0.24	0.80
P-114	J-156	J-146	52	CI/R/DI	100	140	-0.04	0.06	0.10
P-115	J-83	J-118	75	DI/E	100	130	-0.11	0.17	0.40
P-116	J-157	J-152	55	CI/R/DI	100	140	0.27	0.39	1.90
P-117	J-158	J-85	53	CI/R/DI	100	140	-0.05	0.07	0.10
P-118	J-136	J-159	59	CI/R/DI	100	140	-0.47	0.69	5.40
P-119	J-78	J-160	60	CI/R/DI	100	140	0.00	0.00	0.00
P-120	J-151	J-163	58	CI/R/DI	100	140	-0.49	0.73	5.90
P-121	J-164	J-58	59	CI/R/DI	100	140	-0.29	0.43	2.20
P-122	J-3	J-133	57	CI/R/DI	100	140	0.42	0.63	4.50
P-123	J-60	J-162	60	CI/R/DI	100	140	0.14	0.21	0.60
P-124	J-77	J-67	60	CI/R/DI	100	140	-0.28	0.42	2.10
P-125	J-138	J-4	57	CI/R/DI	100	140	-0.42	0.61	4.30
P-126	J-66	J-166	58	CI/R/DI	100	140	0.05	0.07	0.10
P-127	J-167	J-157	61	CI/R/DI	100	140	0.56	0.82	7.50
P-128	J-117	J-103	64	CI/R/DI	100	140	0.26	0.38	1.70
P-129	J-145	J-116	61	CI/R/DI	100	140	-0.11	0.17	0.40
P-130	J-129	J-168	83	CI/R/DI	100	140	0.07	0.10	0.20
P-131	J-68	J-169	84	CI/R/DI	100	140	-0.34	0.49	2.90
P-132	J-170	J-55	66	CI/R/DI	100	140	-0.15	0.21	0.60
P-133	J-49	J-171	62	CI/R/DI	100	140	0.05	0.08	0.10
P-134	J-105	J-27	63	CI/R/DI	100	140	-0.05	0.07	0.10
P-135	J-131	J-24	63	CI/R/DI	100	140	-0.50	0.74	6.20
P-136	J-137	J-134	58	CI/R/DI	100	140	0.03	0.04	0.00
P-137	J-84	J-172	62	CI/R/DI	100	140	0.05	0.08	0.10
P-138	J-35	J-173	63	CI/R/DI	100	140	0.05	0.08	0.10

PIPE TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-139	J-124	J-142	254	DI/E	100	130	-0.27	0.40	2.20
P-140	J-15	J-11	71	CI/R/DI	100	140	-0.15	0.22	0.70
P-141	J-143	J-46	67	CI/R/DI	100	140	-0.23	0.34	1.40
P-142	J-138	J-133	61	CI/R/DI	100	140	0.00	0.00	0.00
P-143	J-119	J-174	91	CI/R/DI	100	140	0.11	0.16	0.30
P-144	J-174	J-60	68	CI/R/DI	100	140	0.25	0.37	1.70
P-145	J-116	J-22	70	CI/R/DI	100	140	0.29	0.43	2.30
P-146	J-101	J-16	71	CI/R/DI	100	140	-0.30	0.44	2.30
P-147	J-159	J-160	74	CI/R/DI	100	140	0.43	0.64	4.70
P-148	J-42	J-57	81	CI/R/DI	100	140	-0.01	0.02	0.00
P-149	J-175	J-114	73	CI/R/DI	100	140	-0.06	0.09	0.10
P-150	J-164	J-69	69	CI/R/DI	100	140	-0.08	0.12	0.20
P-151	J-163	J-50	76	CI/R/DI	100	140	0.16	0.24	0.70
P-152	J-90	J-93	111	CI/R/DI	100	140	0.39	0.58	3.80
P-153	J-46	J-15	77	CI/R/DI	100	140	-0.38	0.56	3.60
P-154	J-21	J-127	86	CI/R/DI	100	140	-0.38	0.56	3.60
P-155	J-68	J-163	78	CI/R/DI	100	140	0.10	0.15	0.30
P-156	J-93	J-176	78	CI/R/DI	100	140	0.17	0.24	0.80
P-157	J-177	J-178	96	CI/R/DI	100	140	-0.08	0.12	0.20
P-158	J-179	J-7	86	CI/R/DI	100	140	0.40	0.59	4.00
P-159	J-169	J-123	82	CI/R/DI	100	140	-0.29	0.43	2.30
P-160	J-23	J-176	77	CI/R/DI	100	140	-0.26	0.39	1.80
P-161	J-180	J-155	84	CI/R/DI	100	140	-0.38	0.55	3.60
P-162	J-32	J-181	86	CI/R/DI	100	140	0.07	0.11	0.20
P-163	J-23	J-182	110	CI/R/DI	100	140	-0.01	0.02	0.00
P-164	J-183	J-24	89	CI/R/DI	100	140	-0.08	0.11	0.20
P-165	J-64	J-102	88	CI/R/DI	100	140	-0.29	0.43	2.30
P-166	J-170	J-11	89	CI/R/DI	100	140	0.23	0.35	1.50
P-167	J-129	J-130	89	CI/R/DI	100	140	-0.08	0.12	0.20
P-168	J-184	J-115	92	CI/R/DI	100	140	-0.08	0.11	0.20
P-169	J-150	J-185	92	CI/R/DI	100	140	0.08	0.12	0.20
P-170	J-186	J-151	93	CI/R/DI	100	140	-0.08	0.12	0.20
P-171	J-162	J-146	93	CI/R/DI	100	140	-0.08	0.11	0.20
P-172	J-169	J-114	91	CI/R/DI	100	140	-0.06	0.09	0.10
P-173	J-136	J-165	114	CI/R/DI	100	140	0.14	0.20	0.60
P-174	J-101	J-105	99	CI/R/DI	100	140	0.15	0.22	0.70
P-175	J-89	J-17	100	CI/R/DI	100	140	-0.35	0.52	3.10
P-176	J-188	J-189	105	CI/R/DI	100	140	-0.09	0.13	0.20
P-177	J-63	J-190	109	CI/R/DI	100	140	-0.37	0.55	3.50
P-178	J-109	J-43	102	CI/R/DI	100	140	0.07	0.11	0.20
P-179	J-152	J-191	109	CI/R/DI	100	140	0.09	0.13	0.30
P-180	J-1	J-39	112	CI/R/DI	100	140	-0.29	0.42	2.20
P-181	J-70	J-59	108	CI/R/DI	100	140	0.28	0.41	2.10
P-182	J-107	J-104	110	CI/R/DI	100	140	0.31	0.45	2.50
P-183	J-100	J-118	118	DI/E	100	130	0.10	0.14	0.30
P-184	J-21	J-192	118	CI/R/DI	100	140	0.10	0.15	0.30

PIPE TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-185	J-193	J-157	118	CI/R/DI	100	140	-0.10	0.14	0.30
P-186	J-37	J-54	119	CI/R/DI	100	140	0.31	0.46	2.50
P-187	J-83	J-174	117	CI/R/DI	100	140	0.09	0.13	0.30
P-188	J-20	J-99	116	CI/R/DI	100	140	-0.11	0.17	0.40
P-189	J-99	J-119	122	CI/R/DI	100	140	-0.05	0.07	0.10
P-190	J-194	J-6	143	CI/R/DI	100	140	-0.12	0.18	0.40
P-191	J-79	J-195	119	CI/R/DI	100	140	0.10	0.15	0.30
P-192	J-15	J-55	123	CI/R/DI	100	140	-0.26	0.38	1.80
P-193	J-11	J-196	124	CI/R/DI	100	140	0.11	0.16	0.30
P-194	J-61	J-170	129	CI/R/DI	100	140	0.33	0.49	2.80
P-195	J-56	J-197	181	CI/R/DI	100	140	0.21	0.30	1.20
P-196	J-11	J-62	140	CI/R/DI	100	140	-0.38	0.56	3.70
P-197	J-198	J-89	142	CI/R/DI	100	140	-0.12	0.18	0.40
P-198	J-38	J-8	142	CI/R/DI	100	140	-0.24	0.35	1.50
P-199	J-123	J-128	141	CI/R/DI	100	140	-0.22	0.32	1.30
P-200	J-10	J-117	145	CI/R/DI	100	140	-0.32	0.48	2.70
P-201	J-104	J-94	145	CI/R/DI	100	140	0.23	0.34	1.50
P-202	J-53	J-50	193	CI/R/DI	100	140	0.08	0.12	0.20
P-203	J-132	J-110	163	CI/R/DI	100	140	0.08	0.11	0.20
P-204	J-182	J-139	177	CI/R/DI	100	140	-0.12	0.18	0.40
P-205	J-145	J-199	240	DI/E	100	130	0.25	0.37	2.00
P-206	J-131	J-82	191	CI/R/DI	100	140	0.20	0.30	1.20
P-207	J-182	J-13	215	CI/R/DI	100	140	-0.32	0.47	2.60
P-208	J-143	J-200	199	CI/R/DI	100	140	0.17	0.25	0.80
P-209	J-201	J-26	198	CI/R/DI	100	140	-0.17	0.25	0.80
P-210	J-140	J-71	208	CI/R/DI	100	140	0.22	0.33	1.40
P-211	J-202	J-22	255	DI/E	100	130	-0.12	0.17	0.50
P-212	J-203	J-65	234	DI/E	100	130	-0.20	0.30	1.30
P-213	J-72	J-14	235	CI/R/DI	100	140	0.36	0.53	3.30
P-214	J-111	J-153	243	CI/R/DI	100	140	0.30	0.44	2.30
P-215	J-187	J-116	245	DI/E	100	130	-0.24	0.35	1.70
P-216	J-180	J-2	173	CI/R/DI	100	140	-0.33	0.48	2.80
P-217	J-4	J-8	63	CI/R/DI	100	140	0.26	0.38	1.70
P-218	J-4	J-3	67	CI/R/DI	100	140	-0.05	0.08	0.10
P-219	J-176	J-13	136	CI/R/DI	100	140	-0.34	0.51	3.00
P-220	J-132	J-7	46	CI/R/DI	100	140	0.26	0.38	1.80
P-221	J-16	J-7	184	CI/R/DI	100	140	-0.26	0.38	1.80
P-222	J-8	J-128	51	CI/R/DI	100	140	-0.20	0.29	1.10
P-223	J-14	J-199	57	CI/R/DI	100	140	-0.19	0.28	1.00
P-224	J-199	J-187	50	CI/R/DI	100	140	-0.23	0.34	1.50
P-225	J-187	J-202	60	CI/R/DI	100	140	-0.30	0.44	2.30
P-226	J-202	J-139	36	CI/R/DI	100	140	-0.48	0.70	5.60
P-227	J-97	J-75	30	CI/R/DI	100	140	0.03	0.04	0.00
P-228	J-6	J-97	89	DI/E	100	130	-0.32	0.47	3.00
P-229	J-97	J-31	240	DI/E	100	130	-0.35	0.52	3.60
P-230	J-153	J-179	5	CI/R/DI	100	140	0.42	0.62	4.70

PIPE TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-231	J-179	J-124	55	CI/R/DI	100	140	-0.11	0.16	0.30
P-232	J-208	J-115	35	CI/R/DI	100	140	0.07	0.10	0.10
P-233	J-209	J-73	34	CI/R/DI	100	140	0.28	0.41	2.10
P-234	J-210	J-109	33	CI/R/DI	100	140	-0.06	0.09	0.10
P-235	J-211	J-43	30	CI/R/DI	100	140	-0.04	0.06	0.10
P-236	J-57	J-212	64	CI/R/DI	100	140	0.05	0.08	0.10
P-237	J-213	J-67	71	CI/R/DI	100	140	-0.06	0.09	0.10
P-238	J-92	J-214	30	CI/R/DI	100	140	0.03	0.04	0.00
P-239	J-215	J-29	57	CI/R/DI	100	140	-0.05	0.07	0.10
P-240	J-217	J-94	101	CI/R/DI	100	140	-0.09	0.13	0.20
P-241	J-141	J-90	94	CI/R/DI	100	140	-0.42	0.62	4.40
P-242	J-203	J-76	50	CI/R/DI	100	140	-0.04	0.06	0.10
P-243	J-6	J-218	35	CI/R/DI	100	140	0.03	0.04	0.00
P-244	J-155	J-190	125	CI/R/DI	100	140	-0.39	0.57	3.80
P-245	J-220	J-95	81	CI/R/DI	100	140	-0.07	0.10	0.20
P-246	J-221	J-98	95	CI/R/DI	100	140	-0.08	0.12	0.20
P-247	J-222	J-131	165	CI/R/DI	100	140	-0.14	0.21	0.60
P-248	J-224	J-164	155	CI/R/DI	100	140	-0.13	0.19	0.50
P-249	J-69	J-225	153	CI/R/DI	100	140	0.13	0.19	0.50
P-250	J-29	J-197	60	CI/R/DI	100	140	-0.19	0.27	1.00
P-251	J-197	J-10	50	CI/R/DI	100	140	-0.23	0.33	1.40
P-252	J-108	J-5	225	CI/R/DI	100	140	0.37	0.55	3.50
P-253	J-211	J-210	101	DI/P	100	140	-0.07	0.10	0.20
P-254	J-210	J-209	57	DI/P	100	140	0.16	0.24	0.80
P-255	J-209	J-208	58	DI/P	100	140	0.26	0.39	1.90
P-256	J-208	J-227	73	DI/P	100	140	0.06	0.09	0.10
P-257	J-228	J-229	211	DI/P	100	140	0.32	0.47	2.70
P-258	J-229	J-230	55	DI/P	100	140	-0.10	0.14	0.30
P-259	J-230	J-231	52	DI/P	100	140	0.38	0.56	3.70
P-260	J-231	J-232	23	DI/P	100	140	0.28	0.41	2.10
P-261	J-232	J-233	215	DI/P	100	140	0.24	0.36	1.60
P-262	J-233	J-234	77	DI/P	100	140	0.10	0.15	0.30
P-263	J-234	J-235	35	DI/P	100	140	0.04	0.05	0.00
P-264	J-235	J-236	69	DI/P	100	140	0.12	0.17	0.40
P-265	J-236	J-237	29	DI/P	100	140	0.02	0.02	0.00
P-266	J-235	J-238	76	DI/P	100	140	0.11	0.16	0.40
P-267	J-238	J-239	24	DI/P	100	140	0.01	0.02	0.00
P-268	J-238	J-236	76	DI/P	100	140	0.00	0.00	0.00
P-269	J-233	J-240	40	DI/P	100	140	0.36	0.53	3.30
P-270	J-240	J-241	38	DI/P	100	140	0.27	0.39	1.90
P-271	J-241	J-242	38	DI/P	100	140	0.17	0.25	0.80
P-272	J-242	J-243	35	DI/P	100	140	0.08	0.12	0.20
P-273	J-243	J-245	43	DI/P	100	140	0.02	0.04	0.00
P-274	J-242	J-246	44	DI/P	100	140	0.03	0.04	0.00
P-275	J-241	J-247	45	DI/P	100	140	0.03	0.04	0.00
P-276	J-240	J-248	43	DI/P	100	140	0.02	0.04	0.00

PIPE TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT									
Label	**Start Node**	**Stop Node**	**Length (m)**	**Material**	**Diameter (mm)**	**Hazen-Williams C**	**Flow (MLD)**	**Velocity (m/s)**	**Headloss Gradient (m/km)**
P-277	J-232	J-249	96	DI/P	100	140	0.16	0.24	0.70
P-278	J-249	J-250	31	DI/P	100	140	0.05	0.08	0.10
P-279	J-250	J-251	30	DI/P	100	140	0.02	0.03	0.00
P-280	J-249	J-252	31	DI/P	100	140	0.02	0.03	0.00
P-281	J-231	J-253	51	DI/P	100	140	0.03	0.04	0.00
P-282	J-229	J-255	146	DI/P	100	140	0.18	0.27	0.90
P-283	J-255	J-256	25	DI/P	100	140	0.01	0.02	0.00
P-284	**J-255**	**J-257**	**71**	**DI/P**	**100**	**140**	**0.03**	**0.04**	**0.00**
P-285	J-257	J-258	66	DI/P	100	140	-0.12	0.18	0.40
P-286	J-258	J-259	44	DI/P	100	140	0.03	0.04	0.00
P-287	J-228	J-260	22	DI/P	100	140	0.46	0.67	5.20
P-288	J-260	J-258	203	DI/P	100	140	0.33	0.48	2.70
P-289	J-257	J-261	64	DI/P	100	140	0.04	0.05	0.00
P-290	J-82	J-178	58	CI/R/DI	100	140	-0.19	0.29	1.10
P-291	J-178	J-180	47	CI/R/DI	100	140	-0.45	0.66	4.90
P-292	J-263	J-276	5	DI/P	600	140	28.61	1.17	3.20
P-293	J-167	J-189	94	CI/R/DI	100	140	0.46	0.67	5.10
P-294	J-189	J-78	12	CI/R/DI	100	140	0.19	0.29	1.10
P-295	J-48	J-121	54	CI/R/DI	100	140	0.14	0.20	0.50
P-296	J-121	J-159	54	CI/R/DI	100	140	-0.37	0.55	3.50
P-297	J-160	J-52	105	CI/R/DI	100	140	0.07	0.10	0.20
P-298	J-52	J-122	126	CI/R/DI	100	140	0.00	0.00	0.00
P-299	J-264	J-233	3	DI/P	100	140	0.41	0.60	4.80
P-300	J-264	J-235	122	DI/P	150	140	0.30	0.19	0.30
P-301	J-228	J-265	267	DI/P	200	140	1.72	0.63	2.00
P-302	J-265	J-230	3	DI/P	150	140	0.69	0.45	1.80
P-303	J-265	J-266	75	DI/P	150	140	1.02	0.67	3.20
P-304	J-266	J-264	213	DI/P	150	140	0.70	0.46	1.60
P-305	J-266	J-232	3	DI/P	100	140	0.32	0.47	3.00
P-306	J-5	J-203	205	CI/R/DI	100	140	0.01	0.01	0.00
P-307	J-267	J-13	323	DI/E	400	130	3.29	0.30	0.30
P-308	J-268	J-72	9	DI/P	150	140	0.79	0.51	2.10
P-309	J-269	J-33	7	DI/P	200	140	1.33	0.49	1.40
P-310	J-269	J-270	176	DI/P	200	140	1.59	0.58	1.80
P-311	J-270	J-110	9	DI/P	150	140	0.91	0.60	2.80
P-312	J-270	J-44	353	DI/P	150	140	0.68	0.44	1.50
P-313	J-13	J-271	392	DI/P	250	140	2.33	0.55	1.20
P-314	J-271	J-139	5	DI/P	200	140	1.23	0.45	1.30
P-315	J-268	J-272	236	DI/P	250	140	3.61	0.85	2.70
P-316	J-272	J-269	83	DI/P	250	140	2.92	0.69	1.90
P-317	J-272	J-153	109	DI/P	150	140	0.70	0.46	1.60
P-318	J-267	J-273	48	DI/P	300	140	7.02	1.15	3.90
P-319	J-273	J-268	21	DI/P	300	140	5.22	0.86	2.40
P-320	J-273	J-40	7	DI/P	150	140	0.76	0.50	2.00
P-321	J-273	J-31	146	DI/P	200	140	1.03	0.38	0.80
P-322	J-271	J-274	48	DI/P	150	140	1.10	0.72	3.70

PIPE TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-323	J-274	J-62	79	DI/P	150	140	0.71	0.47	1.60
P-324	J-274	J-140	9	DI/P	100	140	0.38	0.56	3.80
P-325	J-267	J-90	7	DI/P	200	140	1.54	0.57	1.90
P-326	J-116	J-275	6	CI/R/DI	150	140	-0.96	0.63	3.10
P-327	J-275	J-1	35	CI/R/DI	100	140	-0.17	0.24	0.80
P-328	J-268	J-275	107	DI/P	150	140	0.82	0.54	2.10
P-329	J-277	J-117	10	DI/P	150	140	1.28	0.84	5.20
P-330	J-277	J-278	53	DI/P	250	140	4.97	1.17	5.00
P-331	J-278	J-19	7	DI/P	150	140	0.66	0.43	1.50
P-332	J-279	J-34	8	DI/P	200	140	1.64	0.60	2.10
P-333	J-279	J-280	157	DI/P	150	140	0.78	0.51	1.90
P-334	J-280	J-69	7	DI/P	150	140	0.78	0.51	2.10
P-335	J-279	J-281	144	DI/P	150	140	0.88	0.57	2.40
P-336	J-281	J-118	8	DI/P	150	140	0.38	0.25	0.50
P-337	J-282	J-277	145	DI/P	300	140	7.04	1.15	3.90
P-338	J-282	J-190	163	DI/P	150	140	1.06	0.69	3.40
P-339	J-282	J-56	246	DI/P	150	140	1.08	0.71	3.50
P-340	J-174	J-283	105	DI/P	150	140	-0.29	0.19	0.30
P-341	J-283	J-119	6	DI/P	150	140	0.21	0.13	0.20
P-342	J-283	J-281	42	DI/P	150	140	-0.50	0.32	0.80
P-343	J-277	J-102	89	DI/P	150	140	0.79	0.52	2.00
P-344	J-278	J-41	60	DI/P	150	140	0.56	0.36	1.00
P-345	J-9	J-284	34	DI/E	100	130	0.01	0.01	0.00
P-346	J-204	J-205	326	CI/E	300	80	0.18	0.03	0.00
P-347	J-12	J-284	233	CI/R/DI	100	140	-0.17	0.24	0.80
P-348	J-284	J-204	99	CI/R/DI	100	140	0.26	0.38	1.80
P-349	J-205	J-12	6	DI/P	100	140	0.01	0.02	0.00
P-350	J-285	J-205	72	CI/E	300	80	-0.16	0.03	0.00
P-351	J-285	J-203	4	DI/P	150	140	0.16	0.10	0.10
P-352	J-286	J-3	79	CI/E	300	80	0.58	0.10	0.10
P-353	J-286	J-287	150	DI/P	150	140	0.89	0.58	2.50
P-354	J-287	J-18	8	DI/P	150	140	0.51	0.33	0.90
P-355	J-288	J-286	61	CI/E	300	80	2.25	0.37	1.30
P-356	J-288	J-289	178	DI/P	200	140	1.53	0.56	1.60
P-357	J-289	J-123	5	DI/P	100	140	0.59	0.86	8.90
P-358	J-289	J-290	83	DI/P	150	140	0.94	0.61	2.70
P-359	J-290	J-169	4	DI/P	100	140	0.20	0.30	1.20
P-360	J-290	J-163	160	DI/P	150	140	0.73	0.48	1.70
P-361	J-286	J-4	7	DI/P	150	140	0.78	0.51	2.10
P-362	J-291	J-96	8	DI/P	150	140	1.07	0.70	3.80
P-363	J-291	J-292	46	CI/E	300	80	4.41	0.72	4.60
P-364	J-292	J-288	101	CI/E	300	80	3.78	0.62	3.40
P-365	J-292	J-26	6	DI/P	150	140	0.64	0.42	1.40
P-366	J-293	J-294	108	DI/P	250	140	2.37	0.56	1.30
P-367	J-294	J-48	9	DI/P	150	140	1.11	0.73	4.00
P-368	J-159	J-293	7	DI/P	200	140	-1.43	0.53	1.60

PIPE TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT									
Label	Start Node	Stop Node	Length (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-369	J-287	J-127	65	DI/P	150	140	0.38	0.25	0.50
P-370	J-216	J-295	30	CI/R/DI	100	140	-0.03	0.04	0.00
P-371	J-295	J-107	39	CI/R/DI	100	140	0.12	0.17	0.40
P-372	J-307	SUN SHINE APPARTMENTS	67	DI/P	200	140	2.67	0.98	4.70
P-373	J-276	FCV-5	136	DI/E	400	130	11.85	1.09	2.90
P-374	FCV-5	J-267	10	DI/E	400	130	11.85	1.09	3.50
P-375	J-226	FCV-3	219	CI/E	300	80	5.49	0.90	6.80
P-376	FCV-3	J-291	5	CI/E	300	80	5.49	0.90	7.70
P-377	FCV-6	J-228	7	DI/P	200	140	2.63	0.97	5.10
P-378	J-262	J-293	51	DI/P	250	140	3.81	0.90	3.10
P-379	J-190	J-296	61	CI/R/DI	100	140	0.05	0.08	0.10
P-380	J-297	FCV-6	603	DI/P	200	140	2.63	0.97	4.50
P-381	J-167	J-262	177	CI/E	400	80	-1.14	0.11	0.10
P-382	J-276	J-297	10	DI/E	400	130	16.76	1.54	6.60
P-383	J-297	J-298	156	DI/E	400	130	14.13	1.30	4.00
P-384	J-299	J-210	5	DI/P	150	140	0.34	0.22	0.40
P-385	J-299	J-209	54	DI/P	150	140	0.50	0.33	0.90
P-386	J-109	J-300	40	CI/R/DI	100	140	-0.28	0.41	2.10
P-387	J-300	J-70	31	CI/R/DI	100	140	-0.44	0.65	4.80
P-388	J-300	J-36	103	CI/R/DI	100	140	0.17	0.25	0.80
P-389	J-294	J-301	28	DI/P	150	140	1.26	0.83	4.80
P-390	J-301	J-299	107	DI/P	150	140	0.84	0.55	2.20
P-391	J-301	J-70	6	DI/P	150	140	0.42	0.28	0.70
P-392	J-302	J-10	52	CI/R/DI	100	140	-0.04	0.07	0.10
P-393	J-278	J-303	57	DI/P	250	140	3.76	0.89	3.00
P-394	J-303	J-279	113	DI/P	250	140	3.29	0.78	2.30
P-395	J-303	J-24	7	DI/P	150	140	0.47	0.31	0.80
P-396	J-226	J-304	106	CI/E	525	80	-5.49	0.29	0.50
P-397	J-304	J-263	236	CI/E	525	80	-12.52	0.67	2.10
P-398	J-108	J-306	6	DI/P	150	140	-1.26	0.83	5.20
P-399	J-305	J-285	201	CI/E	300	80	0.00	0.00	0.00
P-400	J-306	J-308	70	DI/P	300	140	4.99	0.82	2.10
P-401	J-308	J-307	35	DI/P	250	140	4.48	1.06	4.20
P-402	J-308	J-86	6	DI/P	150	140	0.52	0.34	1.00
P-403	J-309	J-65	6	DI/P	250	140	0.68	0.16	0.10
P-404	J-309	J-284	75	DI/P	150	140	0.73	0.48	1.70
P-405	J-306	J-295	76	DI/P	150	140	0.78	0.51	1.90
P-406	J-307	J-310	60	DI/P	200	140	1.80	0.66	2.30
P-407	J-310	J-309	58	DI/P	200	140	1.41	0.52	1.40
P-408	J-310	J-84	7	DI/P	150	140	0.39	0.26	0.60
P-409	J-304	FCV-1	6	DI/P	300	140	7.03	1.15	5.00
P-410	FCV-1	J-306	2	DI/P	300	140	7.03	1.15	7.10
P-411	J-298	FCV-2	206	DI/E	400	130	4.95	0.46	0.60
P-412	FCV-2	J-262	216	DI/E	400	130	4.95	0.46	0.60

PIPE TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT									
Label	**Start Node**	**Stop Node**	**Length (m)**	**Material**	**Diameter (mm)**	**Hazen-Williams C**	**Flow (MLD)**	**Velocity (m/s)**	**Headloss Gradient (m/km)**
P-413	J-298	FCV-4	19	DI/P	350	140	9.18	1.10	3.30
P-414	FCV-4	J-282	31	DI/P	350	140	9.18	1.10	3.20
P-415	W.Mambalam Prop.OHT	J-263	1,139	DI/P	600	140	41.13	1.68	3.50
P-416	J-9	J-76	233	DI/E	100	130	0.15	0.23	0.80
P-417	J-50	J-51	18	CI/R/DI	100	140	0.01	0.02	0.00
P-418	J-51	SCV-6	4	DI/P	100	140	0.00	0.00	0.00
P-419	SCV-6	J-311	3	DI/P	100	140	0.00	0.00	0.00
P-420	J-91	J-147	50	CI/R/DI	100	140	0.04	0.06	0.10
P-421	J-91	SCV-9	4	DI/P	100	140	0.00	0.00	0.00
P-422	SCV-9	J-312	4	DI/P	100	140	0.00	0.00	0.00
P-423	J-243	J-244	19	DI/P	100	140	0.01	0.02	0.00
P-424	J-244	SCV-11	3	DI/P	100	140	0.00	0.00	0.00
P-425	SCV-11	J-313	3	DI/P	100	140	0.00	0.00	0.00
P-431	J-149	SCV-1	21	CI/R/DI	100	140	-0.04	0.06	0.10
P-432	SCV-1	J-88	27	CI/R/DI	100	140	-0.04	0.06	0.10
P-433	J-295	SCV-2	6	DI/P	150	140	0.58	0.38	1.20
P-434	SCV-2	INDUS AMBER FLATS	25	DI/P	150	140	0.58	0.38	1.10
P-435	J-122	SCV-3	14	CI/R/DI	100	140	0.19	0.29	1.10
P-436	SCV-3	J-300	33	CI/R/DI	100	140	0.19	0.29	1.10
P-437	J-152	SCV-4	10	CI/R/DI	100	140	0.02	0.03	0.00
P-438	SCV-4	J-207	13	CI/R/DI	100	140	0.02	0.03	0.00
P-439	J-206	SCV-5	8	CI/R/DI	100	140	-0.02	0.03	0.00
P-440	SCV-5	J-150	15	CI/R/DI	100	140	-0.02	0.03	0.00
P-441	J-161	SCV-7	16	CI/R/DI	100	140	-0.05	0.07	0.10
P-442	SCV-7	J-162	37	CI/R/DI	100	140	-0.05	0.07	0.10
P-443	J-223	SCV-8	17	CI/R/DI	100	140	-0.14	0.20	0.60
P-444	SCV-8	J-58	147	CI/R/DI	100	140	-0.14	0.20	0.60
P-445	J-219	SCV-10	22	CI/R/DI	100	140	-0.04	0.05	0.00
P-446	SCV-10	J-141	22	CI/R/DI	100	140	-0.04	0.05	0.00
P-447	J-230	SCV-12	97	DI/P	100	140	0.08	0.11	0.20
P-448	SCV-12	J-254	39	DI/P	100	140	0.08	0.11	0.20

JUNCTION TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-1	6.92	0.16	18.00
J-2	6.74	0.18	17.00
J-3	6.20	0.10	17.00
J-4	6.25	0.16	16.00
J-5	6.75	0.36	17.00
J-6	6.69	0.26	17.00
J-7	6.80	0.30	17.00
J-8	6.25	0.22	16.00
J-9	7.24	0.09	17.00
J-10	6.71	0.26	17.00
J-11	6.77	0.36	17.00
J-12	7.23	0.22	17.00
J-13	6.71	0.30	18.00
J-14	6.50	0.31	17.00
J-15	6.87	0.26	17.00
J-16	6.17	0.30	17.00
J-17	6.18	0.13	16.00
J-18	6.19	0.08	16.00
J-19	6.75	0.07	17.00
J-20	6.24	0.17	17.00
J-21	6.29	0.21	16.00
J-22	6.96	0.28	17.00
J-23	6.88	0.17	17.00
J-24	6.42	0.14	17.00
J-25	6.52	0.09	17.00
J-26	6.69	0.25	16.00
J-27	6.13	0.10	17.00
J-28	6.10	0.08	17.00
J-29	6.70	0.11	17.00
J-30	6.54	0.08	17.00
J-31	6.96	0.24	18.00
J-32	6.42	0.11	18.00
J-33	6.92	0.06	17.00
J-34	6.21	0.06	17.00
J-35	6.29	0.10	17.00
J-36	6.85	0.15	17.00
J-37	6.19	0.15	16.00
J-38	6.25	0.17	16.00
J-39	6.70	0.13	18.00
J-40	6.75	0.08	18.00
J-41	6.53	0.09	17.00
J-42	6.60	0.11	17.00
J-43	6.73	0.14	17.00
J-44	6.23	0.08	17.00
J-45	6.17	0.08	17.00
J-46	6.29	0.14	17.00

JUNCTION TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-47	6.19	0.01	17.00
J-48	6.49	0.08	18.00
J-49	6.54	0.11	18.00
J-50	6.22	0.23	16.00
J-51	6.08	0.01	16.00
J-52	6.24	0.21	18.00
J-53	6.09	0.21	16.00
J-54	6.20	0.14	16.00
J-55	6.93	0.18	17.00
J-56	6.74	0.19	17.00
J-57	6.63	0.14	17.00
J-58	6.15	0.21	17.00
J-59	6.56	0.31	17.00
J-60	6.11	0.11	17.00
J-61	6.64	0.17	17.00
J-62	6.44	0.14	18.00
J-63	6.72	0.16	17.00
J-64	6.75	0.13	17.00
J-65	7.12	0.25	17.00
J-66	7.05	0.10	17.00
J-67	6.84	0.13	17.00
J-68	6.24	0.16	16.00
J-69	6.15	0.22	17.00
J-70	6.71	0.13	17.00
J-71	6.57	0.26	17.00
J-72	6.89	0.27	18.00
J-73	6.04	0.10	18.00
J-74	6.16	0.02	18.00
J-75	6.81	0.03	17.00
J-76	7.18	0.07	17.00
J-77	6.71	0.10	17.00
J-78	6.14	0.08	18.00
J-79	6.25	0.16	18.00
J-80	6.51	0.14	17.00
J-81	6.45	0.02	17.00
J-82	6.70	0.23	16.00
J-83	6.78	0.19	16.00
J-84	7.11	0.11	17.00
J-85	7.04	0.10	17.00
J-86	6.67	0.10	18.00
J-87	6.61	0.10	18.00
J-88	6.68	0.13	18.00
J-89	6.14	0.26	16.00
J-90	6.66	0.20	18.00
J-91	6.07	0.07	17.00
J-92	6.55	0.10	17.00

JUNCTION TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-93	6.51	0.19	18.00
J-94	7.05	0.24	17.00
J-95	6.48	0.14	17.00
J-96	6.64	0.22	17.00
J-97	6.77	0.34	17.00
J-98	6.76	0.15	17.00
J-99	6.13	0.23	17.00
J-100	6.23	0.16	17.00
J-101	6.17	0.14	17.00
J-102	6.96	0.14	17.00
J-103	6.67	0.12	17.00
J-104	7.08	0.25	17.00
J-105	6.26	0.17	17.00
J-106	6.13	0.03	17.00
J-107	6.81	0.16	18.00
J-108	6.86	0.26	18.00
J-109	6.16	0.15	18.00
J-110	6.22	0.21	17.00
J-111	6.83	0.32	18.00
J-112	6.11	0.03	17.00
J-113	6.56	0.03	17.00
J-114	6.18	0.32	16.00
J-115	6.12	0.15	18.00
J-116	6.80	0.32	18.00
J-117	6.58	0.21	17.00
J-118	6.95	0.20	16.00
J-119	6.16	0.22	17.00
J-120	6.23	0.03	17.00
J-121	6.41	0.13	18.00
J-122	6.01	0.18	18.00
J-123	6.25	0.23	16.00
J-124	6.65	0.30	17.00
J-125	6.22	0.04	17.00
J-126	6.82	0.04	17.00
J-127	6.24	0.15	16.00
J-128	6.14	0.21	17.00
J-129	6.37	0.18	17.00
J-130	6.83	0.16	17.00
J-131	6.61	0.39	17.00
J-132	6.98	0.21	17.00
J-133	6.26	0.14	16.00
J-134	6.16	0.13	16.00
J-135	6.18	0.04	17.00
J-136	6.27	0.18	18.00
J-137	6.12	0.13	16.00
J-138	6.19	0.14	16.00

JUNCTION TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-139	6.61	0.22	18.00
J-140	6.64	0.26	18.00
J-141	6.41	0.16	18.00
J-142	6.85	0.29	18.00
J-143	6.21	0.27	17.00
J-144	6.26	0.04	17.00
J-145	6.87	0.30	18.00
J-146	6.23	0.17	17.00
J-147	6.18	0.04	17.00
J-148	6.96	0.04	18.00
J-149	6.37	0.04	18.00
J-150	6.15	0.14	15.00
J-151	6.23	0.17	15.00
J-152	6.04	0.16	18.00
J-153	6.60	0.24	17.00
J-154	6.84	0.04	18.00
J-155	6.51	0.22	17.00
J-156	6.09	0.04	17.00
J-157	6.08	0.19	18.00
J-158	6.76	0.05	18.00
J-159	6.07	0.16	18.00
J-160	6.17	0.22	18.00
J-161	6.04	0.05	17.00
J-162	6.18	0.17	17.00
J-163	6.25	0.18	16.00
J-164	6.14	0.24	17.00
J-165	6.85	0.32	17.00
J-166	7.10	0.05	17.00
J-167	6.15	0.13	18.00
J-168	6.70	0.07	17.00
J-169	6.12	0.22	16.00
J-170	6.75	0.24	17.00
J-171	6.60	0.05	17.00
J-172	7.07	0.05	17.00
J-173	6.26	0.05	17.00
J-174	6.17	0.23	17.00
J-175	6.09	0.06	16.00
J-176	6.65	0.25	18.00
J-177	6.58	0.08	16.00
J-178	6.87	0.17	16.00
J-179	6.62	0.12	17.00
J-180	6.66	0.26	17.00
J-181	6.64	0.07	17.00
J-182	6.59	0.42	18.00
J-183	6.66	0.08	17.00
J-184	6.22	0.08	17.00

JUNCTION TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-185	6.09	0.08	16.00
J-186	6.22	0.08	15.00
J-187	6.77	0.30	17.00
J-188	6.25	0.09	18.00
J-189	6.18	0.18	18.00
J-190	6.74	0.25	17.00
J-191	6.06	0.09	18.00
J-192	6.13	0.10	16.00
J-193	6.26	0.10	18.00
J-194	6.55	0.12	17.00
J-195	6.20	0.10	18.00
J-196	6.15	0.11	17.00
J-197	6.62	0.25	17.00
J-198	6.12	0.12	16.00
J-199	6.92	0.29	17.00
J-200	6.17	0.17	17.00
J-201	6.26	0.17	17.00
J-202	6.70	0.30	18.00
J-203	6.99	0.41	17.00
J-204	6.96	0.08	17.00
J-205	7.20	0.00	17.00
J-206	6.06	0.02	16.00
J-207	6.04	0.02	18.00
J-208	6.17	0.14	18.00
J-209	6.25	0.12	18.00
J-210	6.26	0.16	18.00
J-211	6.65	0.11	17.00
J-212	6.54	0.05	17.00
J-213	6.71	0.06	17.00
J-214	6.64	0.03	17.00
J-215	6.65	0.05	17.00
J-216	6.83	0.03	18.00
J-217	7.12	0.09	17.00
J-218	6.70	0.03	17.00
J-219	6.78	0.04	18.00
J-220	6.69	0.07	17.00
J-221	6.38	0.08	17.00
J-222	6.19	0.14	17.00
J-223	6.17	0.14	17.00
J-224	6.19	0.13	17.00
J-225	6.21	0.13	17.00
J-226	6.82	0.00	18.00
J-227	6.10	0.06	18.00
J-228	6.13	0.13	17.00
J-229	6.23	0.24	16.00
J-230	6.24	0.14	16.00

JUNCTION TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT			
Label	Elevation (m)	Demand (MLD)	Pressure (m H2O)
J-231	6.10	0.07	16.00
J-232	6.13	0.19	16.00
J-233	6.26	0.19	15.00
J-234	6.11	0.06	15.00
J-235	6.20	0.10	15.00
J-236	6.06	0.10	15.00
J-237	6.29	0.02	15.00
J-238	6.17	0.10	15.00
J-239	6.24	0.01	15.00
J-240	6.20	0.07	15.00
J-241	6.24	0.07	15.00
J-242	6.20	0.07	15.00
J-243	6.00	0.04	15.00
J-244	6.20	0.01	15.00
J-245	6.15	0.02	15.00
J-246	6.05	0.03	15.00
J-247	6.03	0.03	15.00
J-248	6.14	0.02	15.00
J-249	6.11	0.09	16.00
J-250	6.25	0.04	16.00
J-251	6.12	0.02	16.00
J-252	6.15	0.02	16.00
J-253	6.19	0.03	16.00
J-254	6.03	0.08	16.00
J-255	6.18	0.14	16.00
J-256	6.26	0.01	16.00
J-257	6.24	0.11	16.00
J-258	6.10	0.18	16.00
J-259	6.22	0.03	16.00
J-260	6.27	0.13	16.00
J-261	6.21	0.04	16.00
J-262	6.26	0.00	18.00
J-263	6.78	0.00	19.00
J-264	6.26	0.00	15.00
J-265	6.25	0.00	16.00
J-266	6.13	0.00	16.00
J-267	6.65	0.00	18.00
J-268	6.86	0.00	18.00
J-269	6.95	0.00	17.00
J-270	6.59	0.00	17.00
J-271	6.63	0.00	18.00
J-272	6.56	0.00	18.00
J-273	6.72	0.00	18.00
J-274	6.62	0.01	18.00
J-275	6.78	0.03	18.00
J-276	6.77	0.00	19.00

JUNCTION TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-277	6.59	0.00	17.00
J-278	6.75	0.00	17.00
J-279	6.23	0.00	17.00
J-280	6.19	0.00	17.00
J-281	6.85	0.00	16.00
J-282	6.66	0.00	18.00
J-283	6.22	0.00	17.00
J-284	7.06	0.31	17.00
J-285	6.95	0.00	17.00
J-286	6.22	0.00	17.00
J-287	6.19	0.00	16.00
J-288	6.22	0.00	17.00
J-289	6.27	0.00	16.00
J-290	6.13	0.00	16.00
J-291	6.69	0.00	17.00
J-292	6.71	0.00	16.00
J-293	6.06	0.00	18.00
J-294	6.49	0.00	18.00
J-295	6.78	0.06	18.00
INDUS AMBER FLATS	6.75	0.58	18.00
SUN SHINE APPARTMENTS	7.07	2.67	17.00
J-296	6.77	0.05	17.00
J-297	6.67	0.00	19.00
J-298	6.61	0.00	18.00
J-299	6.28	0.00	18.00
J-300	6.87	0.18	17.00
J-301	6.66	0.00	17.00
J-302	6.59	0.04	17.00
J-303	6.48	0.00	17.00
J-304	6.83	0.00	18.00
J-305	6.74	0.00	17.00
J-306	6.83	0.00	18.00
J-307	6.70	0.00	18.00
J-308	6.68	0.00	18.00
J-309	7.13	0.00	17.00
J-310	7.09	0.00	17.00
J-311	6.12	0.00	16.00
J-312	6.10	0.00	17.00
J-313	6.20	0.00	15.00

RESERVOIR TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT		
Label	**Elevation (m)**	**Flow (Out net) (MLD)**
KK NAGAR OLD WDS	6.47	37.15

TANK TABLE-WEST MAMBALAM WDS-07 PROPOSED OHT					
Label	**Elevation (Base) (m)**	**Elevation (Minimum) (m)**	**Elevation (Initial) (m)**	**Elevation (Maximum) (m)**	**Flow (Out net) (MLD)**
W.Mambalam Prop.OHT	24.47	24.77	29	29.47	29.31

PIPE TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-1	J-209	J-10	75	CI/R/DI	100	140	-0.37	0.54	3.40
P-2	J-26	J-27	104	DI/P	100	140	-0.08	0.12	0.19
P-3	J-32	J-33	11	CI/R/DI	100	140	0.07	0.10	0.14
P-4	J-35	J-36	8	CI/R/DI	100	140	0.03	0.04	0.03
P-5	J-37	J-38	13	CI/R/DI	100	140	-0.09	0.14	0.27
P-6	J-40	J-41	11	DI/P	100	140	-0.23	0.33	1.39
P-7	J-61	J-42	121	CI/R/DI	100	140	-0.10	0.15	0.31
P-8	J-43	J-44	15	DI/P	100	140	-0.55	0.81	7.18
P-9	J-45	J-46	14	CI/R/DI	100	140	-0.33	0.48	2.73
P-10	J-48	J-49	13	CI/R/DI	100	140	-0.12	0.17	0.42
P-11	J-51	J-52	11	CI/R/DI	100	140	0.07	0.10	0.15
P-12	J-54	J-55	14	CI/R/DI	100	140	0.01	0.01	0.00
P-13	J-57	J-58	16	CI/R/DI	100	140	0.53	0.79	6.81
P-14	J-59	J-60	15	CI/R/DI	100	140	-0.04	0.06	0.06
P-15	J-9	J-61	65	CI/R/DI	100	140	0.08	0.12	0.21
P-16	J-62	J-63	17	CI/R/DI	100	140	0.34	0.50	2.92
P-17	J-66	J-67	20	CI/R/DI	100	140	-0.15	0.22	0.62
P-18	J-68	J-69	20	CI/R/DI	100	140	-0.34	0.50	2.93
P-19	J-70	J-48	21	CI/R/DI	100	140	-0.01	0.01	0.00
P-20	J-71	J-72	22	CI/R/DI	100	140	0.01	0.01	0.00
P-21	J-73	J-74	24	DI/P	100	140	-0.33	0.49	2.83
P-22	J-78	J-79	44	CI/R/DI	100	140	-0.25	0.37	1.68
P-23	J-80	J-81	25	CI/R/DI	100	140	-0.03	0.05	0.04
P-24	J-82	J-83	26	CI/R/DI	100	140	0.03	0.04	0.03
P-25	J-84	J-85	23	CI/R/DI	100	140	-0.10	0.15	0.32
P-26	J-87	J-88	28	CI/R/DI	100	140	0.19	0.27	0.95
P-27	J-56	J-89	26	CI/R/DI	100	140	-0.01	0.02	0.01
P-28	J-90	J-91	25	CI/R/DI	100	140	-0.36	0.53	3.28
P-29	J-92	J-93	26	CI/R/DI	100	140	-0.04	0.06	0.06
P-30	J-95	J-96	26	CI/R/DI	100	140	-0.01	0.01	0.00
P-31	J-98	J-99	26	CI/R/DI	100	140	-0.02	0.03	0.01
P-32	J-100	J-56	43	CI/R/DI	100	140	-0.05	0.07	0.07
P-33	J-41	J-101	28	CI/R/DI	100	140	0.23	0.34	1.47
P-34	J-104	J-70	27	CI/R/DI	100	140	-0.09	0.13	0.25
P-35	J-105	J-106	28	CI/R/DI	100	140	-0.10	0.14	0.29
P-36	J-107	J-108	30	CI/R/DI	100	140	0.16	0.23	0.69
P-37	J-109	J-110	29	CI/R/DI	100	140	-0.06	0.09	0.12
P-38	J-111	J-112	29	CI/R/DI	100	140	0.02	0.02	0.01
P-39	J-113	J-114	33	DI/P	100	140	-0.18	0.27	0.93
P-40	J-115	J-90	29	CI/R/DI	100	140	-0.21	0.31	1.21
P-41	J-99	J-116	29	CI/R/DI	100	140	-0.15	0.21	0.61
P-42	J-117	J-118	28	CI/R/DI	100	140	-0.29	0.42	2.14
P-43	J-119	J-143	66	DI/P	100	140	0.15	0.22	0.65
P-44	J-121	J-57	35	CI/R/DI	100	140	-0.38	0.56	3.60
P-45	J-101	J-121	29	CI/R/DI	100	140	-0.15	0.22	0.65

PIPE TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-46	J-122	J-123	32	CI/R/DI	100	140	0.09	0.13	0.25
P-47	J-108	J-124	33	CI/R/DI	100	140	0.14	0.20	0.55
P-48	J-126	J-127	28	CI/R/DI	100	140	0.41	0.61	4.26
P-49	J-64	J-128	52	CI/R/DI	100	140	-0.04	0.05	0.04
P-50	J-130	J-131	36	CI/R/DI	100	140	0.12	0.18	0.43
P-51	J-132	J-133	25	DI/P	100	140	0.01	0.01	0.00
P-52	J-81	J-134	34	CI/R/DI	100	140	0.08	0.11	0.18
P-53	J-135	J-136	36	DI/P	100	140	0.02	0.02	0.01
P-54	J-139	J-107	30	CI/R/DI	100	140	0.18	0.26	0.88
P-55	J-140	J-141	33	CI/R/DI	100	140	-0.32	0.46	2.56
P-56	J-142	J-98	33	CI/R/DI	100	140	0.02	0.03	0.01
P-57	J-144	J-60	36	CI/R/DI	100	140	0.13	0.19	0.47
P-58	J-145	J-141	36	CI/R/DI	100	140	-0.08	0.12	0.22
P-59	J-96	J-115	37	CI/R/DI	100	140	-0.10	0.15	0.33
P-60	J-146	J-147	32	CI/R/DI	100	140	0.44	0.65	4.77
P-61	J-148	J-149	39	DI/P	100	140	-0.02	0.03	0.02
P-62	J-49	J-77	36	CI/R/DI	100	140	-0.07	0.10	0.14
P-63	J-150	J-151	34	CI/R/DI	100	140	0.06	0.08	0.10
P-64	J-147	J-145	39	CI/R/DI	100	140	0.18	0.26	0.87
P-65	J-152	J-153	38	CI/R/DI	100	140	-0.16	0.24	0.74
P-66	J-137	J-175	75	CI/R/DI	100	140	-0.26	0.39	1.81
P-67	J-154	J-144	37	CI/R/DI	100	140	0.15	0.23	0.68
P-68	J-155	J-122	39	CI/R/DI	100	140	0.25	0.36	1.62
P-69	J-157	J-343	152	CI/R/DI	100	140	-0.18	0.26	0.86
P-70	J-159	J-160	39	DI/P	100	140	-0.01	0.02	0.00
P-71	J-161	J-39	36	CI/R/DI	100	140	0.03	0.04	0.03
P-72	J-153	J-163	40	CI/R/DI	100	140	-0.22	0.33	1.34
P-73	J-97	J-166	66	DI/E	150	130	-0.35	0.23	0.50
P-74	J-75	J-151	85	CI/R/DI	100	140	-0.08	0.11	0.19
P-75	J-149	J-168	41	DI/P	100	140	0.02	0.03	0.02
P-76	J-18	J-152	36	CI/R/DI	100	140	-0.07	0.10	0.15
P-77	J-169	J-63	43	CI/R/DI	100	140	-0.06	0.08	0.10
P-78	J-170	J-171	41	CI/R/DI	100	140	0.32	0.47	2.60
P-79	J-172	J-173	39	DI/P	100	140	0.02	0.03	0.02
P-80	J-174	J-109	43	CI/R/DI	100	140	0.13	0.20	0.53
P-81	J-124	J-155	41	CI/R/DI	100	140	0.16	0.24	0.76
P-82	J-139	J-62	42	CI/R/DI	100	140	0.03	0.05	0.04
P-83	J-131	J-170	43	CI/R/DI	100	140	-0.18	0.26	0.89
P-84	J-177	J-82	43	CI/R/DI	100	140	0.31	0.46	2.54
P-85	J-111	J-178	46	CI/R/DI	100	140	0.23	0.34	1.41
P-86	J-179	J-180	46	CI/R/DI	100	140	0.15	0.22	0.66
P-87	J-171	J-181	49	CI/R/DI	100	140	-0.10	0.15	0.30
P-88	J-116	J-58	44	CI/R/DI	100	140	-0.27	0.40	1.92
P-89	J-184	J-185	56	DI/P	100	140	0.02	0.02	0.01
P-90	J-186	J-156	43	DI/P	100	140	-0.03	0.05	0.04

PIPE TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-91	J-187	J-188	49	DI/P	100	140	-0.01	0.02	0.01
P-92	J-189	J-76	41	CI/R/DI	100	140	0.25	0.37	1.69
P-93	J-190	J-73	49	CI/R/DI	100	140	0.13	0.19	0.51
P-94	J-164	J-167	93	CI/R/DI	100	140	-0.02	0.04	0.02
P-95	J-192	J-80	51	CI/R/DI	100	140	-0.12	0.18	0.43
P-96	J-16	J-113	52	DI/P	100	140	0.00	0.00	0.00
P-97	J-194	J-195	51	CI/R/DI	100	140	0.12	0.18	0.42
P-98	J-196	J-197	52	CI/R/DI	100	140	0.15	0.22	0.66
P-99	J-198	J-199	54	CI/R/DI	100	140	0.00	0.00	0.00
P-100	J-182	J-172	96	CI/R/DI	100	140	-0.03	0.05	0.04
P-101	J-60	J-200	55	CI/R/DI	100	140	0.02	0.04	0.02
P-102	J-69	J-201	57	CI/R/DI	100	140	0.45	0.66	4.93
P-103	J-125	J-47	86	DI/E	150	130	-0.74	0.48	1.97
P-104	J-106	J-66	54	CI/R/DI	100	140	-0.02	0.03	0.02
P-105	J-188	J-183	54	CI/R/DI	100	140	-0.22	0.32	1.26
P-106	J-203	J-84	58	CI/R/DI	100	140	-0.07	0.10	0.16
P-107	J-58	J-139	58	CI/R/DI	100	140	0.20	0.29	1.09
P-108	J-204	J-45	54	CI/R/DI	100	140	-0.11	0.16	0.35
P-109	J-205	J-92	71	CI/R/DI	100	140	-0.02	0.03	0.01
P-110	J-83	J-126	58	CI/R/DI	100	140	-0.28	0.41	2.02
P-111	J-191	J-50	57	CI/R/DI	100	140	0.03	0.04	0.03
P-112	J-102	J-206	56	CI/R/DI	100	140	0.02	0.02	0.01
P-113	J-52	J-132	56	CI/R/DI	100	140	-0.17	0.26	0.85
P-114	J-208	J-194	57	CI/R/DI	100	140	-0.26	0.38	1.73
P-115	J-209	J-210	55	CI/R/DI	100	140	0.26	0.38	1.79
P-116	J-38	J-211	56	CI/R/DI	100	140	0.11	0.16	0.37
P-117	J-138	J-212	52	CI/R/DI	100	140	-0.05	0.08	0.09
P-118	J-178	J-213	65	CI/R/DI	100	140	0.04	0.05	0.05
P-119	J-101	J-139	61	CI/R/DI	100	140	0.12	0.17	0.42
P-120	J-214	J-215	63	CI/R/DI	100	140	0.02	0.02	0.01
P-121	J-216	J-32	59	CI/R/DI	100	140	0.17	0.25	0.82
P-122	J-156	J-138	94	DI/E	150	130	0.36	0.24	0.53
P-123	J-217	J-71	59	CI/R/DI	100	140	-0.02	0.02	0.01
P-124	J-29	J-109	62	CI/R/DI	100	140	-0.16	0.23	0.72
P-125	J-6	J-174	58	CI/R/DI	100	140	-0.02	0.03	0.02
P-126	J-219	J-220	59	CI/R/DI	100	140	-0.10	0.14	0.28
P-127	J-134	J-211	61	CI/R/DI	100	140	0.10	0.15	0.33
P-128	J-221	J-198	62	CI/R/DI	100	140	-0.05	0.08	0.09
P-129	J-180	J-222	63	CI/R/DI	100	140	0.10	0.15	0.30
P-130	J-223	J-200	63	CI/R/DI	100	140	0.15	0.23	0.68
P-131	J-224	J-225	64	CI/R/DI	100	140	-0.02	0.03	0.02
P-132	J-360	J-54	67	CI/R/DI	100	140	0.18	0.26	0.89
P-133	J-134	J-6	66	CI/R/DI	100	140	-0.07	0.10	0.16
P-134	J-107	J-116	63	CI/R/DI	100	140	-0.05	0.07	0.08
P-135	J-146	J-224	67	CI/R/DI	100	140	0.40	0.59	3.99

PIPE TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-136	J-120	J-223	57	CI/R/DI	100	140	0.37	0.54	3.42
P-137	J-226	J-227	66	CI/R/DI	100	140	0.51	0.75	6.22
P-138	J-59	J-228	65	CI/R/DI	100	140	-0.02	0.02	0.01
P-139	J-166	J-23	65	CI/R/DI	100	140	-0.43	0.64	4.60
P-140	J-210	J-137	62	CI/R/DI	100	140	0.19	0.27	0.96
P-141	J-74	J-229	65	CI/R/DI	100	140	-0.33	0.49	2.80
P-142	J-230	J-12	65	CI/R/DI	100	140	0.03	0.05	0.04
P-143	J-123	J-189	66	CI/R/DI	100	140	0.17	0.25	0.81
P-144	J-231	J-384	64	CI/R/DI	100	140	-0.15	0.22	0.62
P-145	J-234	J-226	67	CI/R/DI	100	140	0.25	0.37	1.64
P-146	J-167	J-235	66	CI/R/DI	100	140	-0.04	0.06	0.05
P-147	J-46	J-117	68	CI/R/DI	100	140	0.05	0.07	0.08
P-148	J-220	J-94	66	CI/R/DI	100	140	0.04	0.06	0.06
P-149	J-127	J-238	70	CI/R/DI	100	140	0.11	0.16	0.37
P-150	J-239	J-240	70	CI/R/DI	100	140	0.03	0.04	0.02
P-151	J-108	J-99	71	CI/R/DI	100	140	-0.06	0.08	0.11
P-152	J-241	J-242	71	CI/R/DI	100	140	0.09	0.14	0.26
P-153	J-142	J-155	71	CI/R/DI	100	140	0.17	0.25	0.79
P-154	J-124	J-98	71	CI/R/DI	100	140	-0.11	0.16	0.35
P-155	J-110	J-119	69	CI/R/DI	100	140	0.08	0.12	0.21
P-156	J-31	J-149	62	DI/P	100	140	0.12	0.18	0.46
P-157	J-42	J-244	67	CI/R/DI	100	140	0.03	0.04	0.03
P-158	J-141	J-142	73	CI/R/DI	100	140	0.29	0.42	2.14
P-159	J-200	J-136	74	CI/R/DI	100	140	0.07	0.10	0.16
P-160	J-98	J-140	74	CI/R/DI	100	140	-0.19	0.28	0.99
P-161	J-245	J-246	76	CI/R/DI	100	140	-0.06	0.09	0.12
P-162	J-201	J-4	76	CI/R/DI	100	140	-0.27	0.40	1.95
P-163	J-88	J-160	93	CI/R/DI	100	140	0.28	0.41	2.00
P-164	J-240	J-92	76	CI/R/DI	100	140	0.02	0.03	0.02
P-165	J-172	J-249	75	CI/R/DI	100	140	-0.17	0.25	0.83
P-166	J-153	J-250	74	CI/R/DI	100	140	0.02	0.03	0.01
P-167	J-86	J-251	87	CI/R/DI	100	140	0.27	0.40	1.91
P-168	J-252	J-253	81	CI/R/DI	100	140	-0.32	0.47	2.60
P-169	J-254	J-190	78	CI/R/DI	100	140	-0.29	0.43	2.24
P-170	J-67	J-207	92	CI/R/DI	100	140	-0.08	0.12	0.22
P-171	J-227	J-255	74	DI/P	100	140	0.04	0.06	0.06
P-172	J-243	J-100	64	CI/R/DI	100	140	-0.02	0.02	0.01
P-173	J-197	J-249	80	CI/R/DI	100	140	0.11	0.16	0.36
P-174	J-97	J-71	73	CI/R/DI	100	140	0.06	0.09	0.13
P-175	J-236	J-239	80	CI/R/DI	100	140	-0.21	0.31	1.19
P-176	J-183	J-88	81	CI/R/DI	100	140	-0.29	0.43	2.21
P-177	J-257	J-48	80	CI/R/DI	100	140	-0.05	0.07	0.07
P-178	J-259	J-210	81	CI/R/DI	100	140	-0.02	0.03	0.02
P-179	J-216	J-245	80	CI/R/DI	100	140	-0.02	0.03	0.01
P-180	J-33	J-252	89	CI/R/DI	100	140	-0.10	0.15	0.33

PIPE TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-181	J-87	J-86	82	CI/R/DI	100	140	-0.41	0.60	4.19
P-182	J-230	J-241	86	CI/R/DI	100	140	-0.39	0.57	3.71
P-183	J-158	J-231	124	CI/R/DI	100	140	-0.21	0.31	1.18
P-184	J-262	J-23	79	CI/R/DI	100	140	-0.02	0.03	0.02
P-185	J-28	J-35	86	CI/R/DI	100	140	-0.01	0.02	0.00
P-186	J-22	J-263	110	DI/P	100	140	0.03	0.04	0.03
P-187	J-151	J-39	98	CI/R/DI	100	140	-0.08	0.12	0.20
P-188	J-264	J-166	83	CI/R/DI	100	140	-0.02	0.03	0.02
P-189	J-93	J-265	94	CI/R/DI	100	140	-0.09	0.13	0.26
P-190	J-41	J-62	92	DI/P	100	140	0.16	0.24	0.74
P-191	J-23	J-2	88	CI/R/DI	100	140	-0.51	0.76	6.35
P-192	J-186	J-188	93	CI/R/DI	100	140	-0.15	0.22	0.65
P-193	J-54	J-244	96	CI/R/DI	100	140	0.12	0.18	0.44
P-194	J-22	J-97	97	DI/E	150	130	-0.23	0.15	0.23
P-195	J-181	J-232	94	CI/R/DI	100	140	-0.43	0.64	4.63
P-196	J-143	J-29	94	CI/R/DI	100	140	-0.05	0.08	0.10
P-197	J-161	J-150	96	CI/R/DI	100	140	0.07	0.11	0.17
P-198	J-266	J-178	115	CI/R/DI	100	140	-0.07	0.10	0.14
P-199	J-229	J-234	90	CI/R/DI	100	140	0.12	0.17	0.40
P-200	J-212	J-186	101	CI/R/DI	100	140	-0.12	0.18	0.43
P-201	J-212	J-3	98	CI/R/DI	100	140	0.00	0.00	0.00
P-202	J-32	J-105	102	CI/R/DI	100	140	0.06	0.09	0.11
P-203	J-267	J-251	103	CI/R/DI	100	140	-0.27	0.40	1.91
P-204	J-29	J-37	104	CI/R/DI	100	140	-0.13	0.19	0.51
P-205	J-169	J-123	106	CI/R/DI	100	140	0.19	0.29	1.05
P-206	J-144	J-223	108	CI/R/DI	100	140	-0.09	0.13	0.23
P-207	J-74	J-226	100	CI/R/DI	100	140	-0.11	0.16	0.36
P-208	J-84	J-246	107	CI/R/DI	100	140	0.26	0.38	1.76
P-209	J-246	J-67	110	CI/R/DI	100	140	0.12	0.18	0.44
P-210	J-3	J-268	109	CI/R/DI	100	140	-0.07	0.10	0.15
P-211	J-36	J-221	109	CI/R/DI	100	140	-0.05	0.07	0.08
P-212	J-222	J-208	110	DI/P	100	140	-0.07	0.10	0.15
P-213	J-195	J-179	110	CI/R/DI	100	140	0.12	0.17	0.41
P-214	J-370	J-254	115	CI/R/DI	100	140	-0.39	0.58	3.83
P-215	J-106	J-245	110	CI/R/DI	100	140	-0.13	0.19	0.48
P-216	J-269	J-15	111	DI/P	100	140	0.02	0.04	0.02
P-217	J-140	J-13	107	CI/R/DI	100	140	0.01	0.01	0.00
P-218	J-270	J-55	111	DI/P	100	140	-0.03	0.04	0.03
P-219	J-63	J-122	113	CI/R/DI	100	140	0.18	0.27	0.95
P-220	J-175	J-10	111	CI/R/DI	100	140	-0.31	0.46	2.50
P-221	J-21	J-158	113	CI/R/DI	100	140	-0.13	0.20	0.53
P-222	J-27	J-25	126	DI/P	100	140	0.17	0.25	0.80
P-223	J-73	J-368	125	CI/R/DI	100	140	0.35	0.52	3.15
P-224	J-11	J-77	139	CI/R/DI	100	140	0.17	0.24	0.77
P-225	J-268	J-267	119	CI/R/DI	100	140	-0.33	0.49	2.85

PIPE TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-226	J-383	J-20	118	CI/R/DI	100	140	-0.17	0.25	0.80
P-227	J-240	J-242	122	CI/R/DI	100	140	-0.07	0.10	0.15
P-228	J-238	J-43	122	CI/R/DI	100	140	-0.21	0.30	1.18
P-229	J-189	J-169	129	CI/R/DI	100	140	-0.22	0.32	1.27
P-230	J-232	J-111	123	CI/R/DI	100	140	0.36	0.52	3.20
P-231	J-271	J-104	150	CI/R/DI	100	140	-0.08	0.12	0.22
P-232	J-239	J-241	126	CI/R/DI	100	140	-0.10	0.14	0.28
P-233	J-13	J-228	132	CI/R/DI	100	140	0.10	0.15	0.31
P-234	J-193	J-194	130	CI/R/DI	100	140	-0.14	0.21	0.57
P-235	J-126	J-272	135	CI/R/DI	100	140	0.28	0.42	2.12
P-236	J-1	J-269	133	DI/P	100	140	0.02	0.03	0.01
P-237	J-269	J-208	135	DI/P	100	140	-0.11	0.16	0.34
P-238	J-131	J-104	141	CI/R/DI	100	140	0.17	0.26	0.85
P-239	J-268	J-274	140	CI/R/DI	100	140	0.05	0.07	0.09
P-240	J-65	J-235	162	DI/P	100	140	0.10	0.14	0.29
P-241	J-49	J-275	138	CI/R/DI	100	140	-0.16	0.23	0.71
P-242	J-228	J-121	149	CI/R/DI	100	140	-0.11	0.16	0.36
P-243	J-273	J-119	244	DI/P	100	140	0.17	0.25	0.81
P-244	J-195	J-268	148	CI/R/DI	100	140	-0.08	0.12	0.20
P-245	J-207	J-161	148	CI/R/DI	100	140	0.09	0.13	0.25
P-246	J-138	J-277	187	DI/E	150	130	0.33	0.21	0.44
P-247	J-201	J-157	142	CI/R/DI	100	140	0.10	0.15	0.31
P-248	J-180	J-277	143	CI/R/DI	100	140	-0.02	0.02	0.01
P-249	J-233	J-279	147	CI/R/DI	100	140	0.08	0.12	0.22
P-250	J-143	J-28	197	DI/P	100	140	0.11	0.16	0.36
P-251	J-91	J-209	152	CI/R/DI	100	140	-0.03	0.05	0.04
P-252	J-147	J-7	146	CI/R/DI	100	140	0.14	0.21	0.59
P-253	J-245	J-203	170	CI/R/DI	100	140	-0.20	0.29	1.10
P-254	J-96	J-281	153	CI/R/DI	100	140	0.04	0.06	0.06
P-255	J-14	J-146	150	CI/R/DI	100	140	-0.19	0.28	1.00
P-256	J-91	J-89	150	CI/R/DI	100	140	0.17	0.25	0.84
P-257	J-167	J-102	184	CI/R/DI	100	140	-0.08	0.11	0.19
P-258	J-182	J-76	182	CI/R/DI	100	140	-0.13	0.18	0.47
P-259	J-120	J-154	158	CI/R/DI	100	140	0.21	0.31	1.23
P-260	J-56	J-90	159	CI/R/DI	100	140	-0.09	0.14	0.27
P-261	J-45	J-26	176	CI/R/DI	100	140	0.15	0.23	0.68
P-262	J-66	J-150	169	CI/R/DI	100	140	0.06	0.09	0.12
P-263	J-55	J-51	175	CI/R/DI	100	140	-0.10	0.15	0.30
P-264	J-47	J-239	164	CI/R/DI	100	140	0.25	0.37	1.72
P-265	J-115	J-100	166	CI/R/DI	100	140	0.04	0.06	0.07
P-266	J-282	J-248	177	CI/R/DI	100	140	-0.15	0.23	0.68
P-267	J-7	J-144	183	CI/R/DI	100	140	0.09	0.14	0.26
P-268	J-236	J-125	177	CI/R/DI	100	140	-0.21	0.30	1.17
P-269	J-20	J-374	181	CI/R/DI	100	140	-0.26	0.38	1.75
P-270	J-371	J-135	214	DI/P	100	140	0.16	0.23	0.72

PIPE TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-271	J-277	J-24	192	DI/E	150	130	0.17	0.11	0.14
P-272	J-81	J-283	190	CI/R/DI	100	140	-0.18	0.26	0.87
P-273	J-244	J-284	196	CI/R/DI	100	140	0.05	0.08	0.10
P-274	J-193	J-274	198	CI/R/DI	100	140	-0.11	0.16	0.35
P-275	J-221	J-38	196	CI/R/DI	100	140	-0.15	0.22	0.65
P-276	J-135	J-40	196	DI/P	100	140	-0.11	0.16	0.36
P-277	J-136	J-101	197	CI/R/DI	100	140	-0.09	0.13	0.24
P-278	J-35	J-29	198	CI/R/DI	100	140	-0.12	0.17	0.40
P-279	J-211	J-198	198	CI/R/DI	100	140	0.13	0.19	0.51
P-280	J-30	J-218	198	CI/R/DI	100	140	-0.28	0.41	2.07
P-281	J-105	J-75	203	CI/R/DI	100	140	0.07	0.10	0.15
P-282	J-132	J-230	208	CI/R/DI	100	140	-0.26	0.38	1.76
P-283	J-163	J-87	207	CI/R/DI	100	140	-0.14	0.21	0.59
P-284	J-249	J-256	286	CI/R/DI	100	140	-0.31	0.46	2.49
P-285	J-51	J-12	211	CI/R/DI	100	140	-0.27	0.40	1.94
P-286	J-184	J-103	217	CI/R/DI	100	140	-0.31	0.45	2.44
P-287	J-181	J-285	225	CI/R/DI	100	140	0.13	0.19	0.47
P-288	J-162	J-207	234	CI/R/DI	100	140	0.18	0.27	0.92
P-289	J-183	J-152	237	CI/R/DI	100	140	-0.01	0.02	0.01
P-290	J-286	J-220	236	CI/R/DI	100	140	-0.25	0.37	1.65
P-291	J-287	J-171	239	CI/R/DI	100	140	-0.14	0.20	0.53
P-292	J-46	J-174	239	CI/R/DI	100	140	0.25	0.36	1.62
P-293	J-110	J-204	240	CI/R/DI	100	140	-0.23	0.34	1.45
P-294	J-94	J-288	246	CI/R/DI	100	140	0.25	0.37	1.66
P-295	J-289	J-170	246	CI/R/DI	100	140	-0.14	0.20	0.56
P-296	J-229	J-4	252	CI/R/DI	100	140	-0.30	0.45	2.38
P-297	J-191	J-290	259	CI/R/DI	100	140	0.21	0.31	1.19
P-298	J-218	J-234	260	CI/R/DI	100	140	0.37	0.54	3.41
P-299	J-291	J-128	259	CI/R/DI	100	140	-0.08	0.11	0.18
P-300	J-53	J-292	255	CI/R/DI	100	140	0.12	0.17	0.40
P-301	J-293	J-33	260	CI/R/DI	100	140	-0.08	0.11	0.18
P-302	J-294	J-61	262	CI/R/DI	100	140	-0.07	0.10	0.14
P-303	J-82	J-231	297	CI/R/DI	100	140	0.19	0.28	1.00
P-304	J-225	J-197	291	CI/R/DI	100	140	0.20	0.29	1.06
P-305	J-164	J-252	292	CI/R/DI	100	140	-0.09	0.14	0.26
P-306	J-196	J-224	293	CI/R/DI	100	140	-0.18	0.27	0.93
P-307	J-254	J-69	310	CI/R/DI	100	140	-0.38	0.56	3.66
P-308	J-190	J-201	313	CI/R/DI	100	140	-0.29	0.42	2.17
P-309	J-158	J-297	375	CI/R/DI	100	140	-0.09	0.13	0.24
P-310	J-165	J-21	449	CI/R/DI	100	140	0.02	0.02	0.01
P-311	J-383	J-272	104	CI/R/DI	100	140	-0.18	0.27	0.92
P-312	J-272	J-20	88	CI/R/DI	100	140	0.02	0.02	0.01
P-313	J-12	J-236	68	CI/R/DI	100	140	-0.33	0.48	2.78
P-314	J-103	J-2	284	CI/R/DI	100	140	-0.28	0.41	2.02
P-315	J-275	J-130	32	CI/R/DI	100	140	-0.17	0.24	0.77

PIPE TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-316	J-44	J-362	175	DI/E	350	130	-3.67	0.44	0.62
P-317	J-3	J-179	147	CI/R/DI	100	140	0.12	0.17	0.39
P-318	J-160	J-3	171	CI/R/DI	100	140	0.19	0.27	0.96
P-319	J-4	J-218	53	CI/R/DI	100	140	-0.44	0.64	4.71
P-320	J-273	J-5	258	DI/P	100	140	-0.02	0.03	0.02
P-321	J-117	J-6	236	CI/R/DI	100	140	0.25	0.36	1.62
P-322	J-37	J-6	60	CI/R/DI	100	140	-0.09	0.13	0.23
P-323	J-14	J-7	33	CI/R/DI	100	140	0.33	0.48	2.75
P-324	J-7	J-17	36	CI/R/DI	100	140	0.15	0.23	0.68
P-325	J-53	J-9	62	CI/R/DI	100	140	0.16	0.23	0.71
P-326	J-10	J-64	82	CI/R/DI	100	140	0.14	0.21	0.60
P-327	J-79	J-11	75	CI/R/DI	100	140	-0.30	0.45	2.37
P-328	J-13	J-57	58	CI/R/DI	100	140	-0.30	0.45	2.38
P-329	J-17	J-13	38	CI/R/DI	100	140	-0.02	0.03	0.01
P-330	J-222	J-15	130	DI/P	100	140	0.09	0.13	0.25
P-331	J-16	J-192	114	CI/R/DI	100	140	0.08	0.12	0.21
P-332	J-17	J-59	177	CI/R/DI	100	140	0.09	0.13	0.23
P-333	J-145	J-17	143	CI/R/DI	100	140	0.14	0.20	0.54
P-334	J-18	J-19	236	DI/E	150	130	-0.06	0.04	0.02
P-335	J-18	J-247	232	DI/E	150	130	0.00	0.00	0.00
P-336	J-19	J-183	41	CI/R/DI	100	140	0.02	0.03	0.02
P-337	J-19	J-156	149	DI/E	150	130	0.47	0.31	0.86
P-338	J-11	J-275	38	CI/R/DI	100	140	0.11	0.16	0.37
P-339	J-299	J-28	56	DI/P	100	140	-0.03	0.05	0.03
P-340	J-300	J-36	56	CI/R/DI	100	140	-0.03	0.04	0.03
P-341	J-299	J-300	91	CI/R/DI	100	140	-0.01	0.01	0.00
P-342	J-301	J-221	56	CI/R/DI	100	140	-0.04	0.06	0.06
P-343	J-300	J-301	105	CI/R/DI	100	140	-0.04	0.07	0.07
P-344	J-301	J-199	67	CI/R/DI	100	140	-0.06	0.09	0.13
P-345	J-302	J-80	311	CI/R/DI	100	140	-0.11	0.16	0.34
P-346	J-199	J-302	54	CI/R/DI	100	140	-0.11	0.17	0.38
P-347	J-302	J-303	62	CI/R/DI	100	140	-0.12	0.17	0.42
P-348	J-304	J-113	360	CI/R/DI	100	140	-0.07	0.10	0.14
P-349	J-303	J-304	48	CI/R/DI	100	140	-0.15	0.22	0.66
P-350	J-114	J-305	311	CI/R/DI	100	140	-0.01	0.01	0.00
P-351	J-304	J-305	67	CI/R/DI	100	140	-0.21	0.31	1.23
P-352	J-305	J-306	84	CI/R/DI	100	140	-0.34	0.51	3.00
P-353	J-318	J-420	97	CI/R/DI	100	140	-0.38	0.56	3.66
P-353A	J-420	J-306	93	CI/R/DI	100	140	0.42	0.61	4.28
P-354	J-307	J-43	306	CI/R/DI	100	140	-0.23	0.34	1.43
P-355	J-282	J-307	144	DI/E	150	130	-0.01	0.00	0.00
P-356	J-308	J-238	307	CI/R/DI	100	140	-0.19	0.27	0.96
P-357	J-307	J-308	124	DI/E	150	130	0.07	0.05	0.03
P-358	J-127	J-309	308	CI/R/DI	100	140	0.20	0.29	1.06
P-359	J-308	J-309	50	DI/E	150	130	0.13	0.09	0.08

PIPE TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-360	J-309	J-310	77	DI/E	150	130	0.21	0.14	0.19
P-361	J-83	J-310	314	CI/R/DI	100	140	0.20	0.29	1.10
P-362	J-311	J-177	326	CI/R/DI	100	140	-0.23	0.34	1.47
P-363	J-310	J-311	69	DI/E	150	130	0.29	0.19	0.35
P-364	J-312	J-278	147	DI/P	100	140	0.04	0.06	0.05
P-365	J-311	J-312	51	DI/E	150	130	0.40	0.26	0.64
P-366	J-313	J-296	340	CI/R/DI	100	140	0.02	0.03	0.01
P-367	J-312	J-313	49	DI/E	150	130	0.30	0.20	0.37
P-368	J-314	J-165	345	CI/R/DI	100	140	0.03	0.04	0.03
P-369	J-313	J-314	111	DI/P	100	140	0.15	0.22	0.63
P-370	J-176	J-315	284	CI/R/DI	100	140	0.19	0.29	1.05
P-371	J-316	J-50	268	CI/R/DI	100	140	-0.21	0.31	1.20
P-372	J-315	J-316	77	CI/R/DI	100	140	-0.07	0.10	0.16
P-373	J-316	J-290	60	CI/R/DI	100	140	-0.09	0.13	0.25
P-374	J-290	J-288	85	CI/R/DI	100	140	-0.11	0.16	0.36
P-375	J-288	J-286	82	CI/R/DI	100	140	-0.09	0.14	0.26
P-376	J-219	J-317	230	CI/R/DI	100	140	0.24	0.36	1.57
P-377	J-286	J-317	80	CI/R/DI	100	140	-0.07	0.10	0.15
P-378	J-225	J-256	73	CI/R/DI	100	140	-0.46	0.67	5.12
P-379	J-303	J-192	308	CI/R/DI	100	140	-0.08	0.11	0.19
P-380	J-114	J-318	128	DI/P	100	140	-0.30	0.44	2.31
P-381	J-319	J-163	77	CI/R/DI	100	140	0.17	0.24	0.77
P-382	J-247	J-319	269	CI/R/DI	100	140	-0.14	0.20	0.55
P-383	J-320	J-86	139	CI/R/DI	100	140	0.36	0.53	3.28
P-384	J-319	J-320	181	DI/P	100	140	-0.44	0.65	4.78
P-385	J-251	J-321	105	CI/R/DI	100	140	-0.08	0.12	0.20
P-386	J-267	J-322	171	CI/R/DI	100	140	0.06	0.09	0.12
P-387	J-321	J-322	105	DI/P	100	140	0.30	0.44	2.28
P-388	J-274	J-323	130	CI/R/DI	100	140	-0.18	0.27	0.92
P-389	J-322	J-323	128	DI/P	100	140	0.25	0.37	1.66
P-390	J-162	J-325	47	CI/R/DI	100	140	-0.19	0.28	1.03
P-391	J-324	J-325	246	DI/E	150	130	0.85	0.56	2.57
P-392	J-207	J-326	48	CI/R/DI	100	140	-0.13	0.19	0.50
P-393	J-325	J-326	233	DI/E	150	130	0.52	0.34	1.03
P-394	J-327	J-161	46	CI/R/DI	100	140	0.10	0.14	0.29
P-395	J-326	J-327	149	DI/E	150	130	0.28	0.18	0.32
P-396	J-39	J-328	43	CI/R/DI	100	140	-0.10	0.14	0.29
P-397	J-327	J-328	35	DI/E	150	130	0.12	0.08	0.07
P-398	J-362	J-324	69	DI/E	350	130	-4.56	0.55	0.93
P-399	J-85	J-329	205	CI/R/DI	100	140	-0.25	0.36	1.63
P-400	J-330	J-203	101	CI/R/DI	100	140	0.22	0.32	1.29
P-401	J-329	J-330	114	DI/E	150	130	0.74	0.48	1.96
P-402	J-331	J-216	138	CI/R/DI	100	140	0.23	0.33	1.39
P-403	J-330	J-331	187	DI/E	150	130	0.41	0.27	0.67
P-404	J-331	J-253	119	DI/E	150	130	0.07	0.04	0.02

PIPE TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-405	J-102	J-332	97	CI/R/DI	100	140	-0.18	0.27	0.92
P-406	J-253	J-332	156	DI/E	150	130	0.52	0.34	1.03
P-407	J-332	J-333	151	DI/E	150	130	0.23	0.15	0.23
P-408	J-333	J-65	43	DI/P	100	140	0.18	0.26	0.90
P-409	J-335	J-280	151	CI/R/DI	100	140	0.09	0.13	0.23
P-410	J-334	J-335	71	CI/R/DI	100	140	-0.04	0.06	0.06
P-411	J-336	J-258	70	CI/R/DI	100	140	0.04	0.06	0.05
P-412	J-335	J-336	106	CI/R/DI	100	140	-0.31	0.46	2.49
P-413	J-233	J-337	141	CI/R/DI	100	140	-0.43	0.63	4.58
P-414	J-336	J-337	148	CI/R/DI	100	140	-0.53	0.78	6.76
P-415	J-385	J-338	70	CI/R/DI	100	140	-0.40	0.59	4.00
P-416	J-339	J-315	80	CI/R/DI	100	140	-0.02	0.02	0.01
P-417	J-176	J-340	58	CI/R/DI	100	140	-0.14	0.20	0.54
P-418	J-339	J-340	301	CI/R/DI	100	140	-0.20	0.29	1.09
P-419	J-341	J-68	36	CI/R/DI	100	140	-0.11	0.16	0.34
P-420	J-340	J-341	423	CI/R/DI	100	140	-0.38	0.56	3.68
P-421	J-68	J-342	77	DI/P	100	140	0.16	0.23	0.71
P-422	J-341	J-342	36	CI/R/DI	100	140	0.21	0.31	1.19
P-423	J-342	J-343	38	CI/R/DI	100	140	0.28	0.42	2.08
P-424	J-237	J-344	101	CI/R/DI	100	140	0.00	0.01	0.00
P-425	J-344	J-78	19	CI/R/DI	100	140	-0.12	0.17	0.40
P-426	J-157	J-31	47	DI/P	100	140	0.08	0.12	0.22
P-427	J-75	J-293	87	CI/R/DI	100	140	0.05	0.07	0.07
P-428	J-293	J-164	82	CI/R/DI	100	140	0.01	0.01	0.00
P-429	J-64	J-298	256	CI/R/DI	100	140	0.08	0.11	0.18
P-430	J-298	J-295	50	CI/R/DI	100	140	0.01	0.02	0.01
P-431	J-137	J-89	141	CI/R/DI	100	140	-0.08	0.11	0.19
P-432	J-42	J-360	89	CI/R/DI	100	140	-0.20	0.30	1.12
P-433	J-360	J-421	195	CI/R/DI	100	140	-0.40	0.59	3.94
P-433A	J-421	J-125	49	DI/E	150	130	-0.40	0.26	0.63
P-434	J-22	J-47	120	DI/E	150	130	0.11	0.07	0.06
P-435	J-53	J-128	50	CI/R/DI	100	140	0.21	0.30	1.17
P-436	J-298	J-291	50	CI/R/DI	100	140	-0.03	0.05	0.04
P-437	J-291	J-292	52	CI/R/DI	100	140	-0.05	0.08	0.09
P-438	J-346	J-14	66	CI/R/DI	100	140	0.53	0.77	6.60
P-439	J-346	J-347	333	DI/P	100	140	0.14	0.21	0.59
P-440	J-347	J-348	202	CI/R/DI	100	140	0.23	0.33	1.38
P-441	J-193	J-1	203	DI/P	100	140	0.11	0.16	0.34
P-442	J-171	J-350	32	CI/R/DI	100	140	0.08	0.12	0.20
P-443	J-350	J-260	79	CI/R/DI	100	140	-0.25	0.36	1.64
P-444	J-350	J-351	11	CI/R/DI	100	140	0.26	0.38	1.76
P-445	J-351	J-352	118	CI/R/DI	100	140	-0.05	0.07	0.08
P-446	J-260	J-353	44	CI/R/DI	100	140	0.25	0.36	1.63
P-447	J-353	J-261	44	CI/R/DI	100	140	-0.22	0.32	1.30
P-448	J-352	J-353	17	CI/R/DI	100	140	-0.41	0.60	4.11

PIPE TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-449	J-351	J-354	25	CI/R/DI	100	140	0.22	0.32	1.29
P-450	J-354	J-355	111	CI/R/DI	100	140	-0.03	0.04	0.03
P-451	J-355	J-352	19	CI/R/DI	100	140	-0.27	0.40	1.96
P-452	J-354	J-356	60	CI/R/DI	100	140	0.14	0.20	0.54
P-453	J-356	J-355	132	CI/R/DI	100	140	-0.10	0.14	0.28
P-454	J-356	J-79	95	CI/R/DI	100	140	0.07	0.10	0.15
P-455	J-237	J-357	64	CI/R/DI	100	140	-0.09	0.13	0.25
P-456	J-344	J-358	59	CI/R/DI	100	140	0.01	0.02	0.01
P-457	J-358	J-357	101	CI/R/DI	100	140	-0.07	0.10	0.16
P-458	J-78	J-358	81	CI/R/DI	100	140	0.05	0.08	0.10
P-459	J-358	J-357	115	CI/R/DI	100	140	-0.07	0.10	0.14
P-460	J-214	J-284	59	CI/R/DI	100	140	-0.15	0.23	0.68
P-461	J-284	J-52	105	CI/R/DI	100	140	-0.20	0.29	1.06
P-462	J-292	J-294	108	CI/R/DI	100	140	-0.05	0.07	0.07
P-463	J-294	J-214	49	CI/R/DI	100	140	-0.09	0.13	0.26
P-464	J-273	J-204	71	CI/R/DI	100	140	-0.30	0.44	2.32
P-465	J-367	J-366	13	DI/P	250	140	3.68	0.87	2.81
P-466	J-349	J-363	491	DI/E	500	130	14.83	0.87	1.45
P-467	J-165	J-296	60	CI/R/DI	100	140	-0.21	0.31	1.24
P-468	J-296	J-297	30	CI/R/DI	100	140	-0.31	0.45	2.44
P-469	J-297	J-177	71	CI/R/DI	100	140	-0.52	0.77	6.49
P-470	J-364	J-282	137	CI/R/DI	100	140	-0.04	0.05	0.05
P-471	J-357	J-261	64	CI/R/DI	100	140	-0.42	0.62	4.35
P-472	J-232	J-233	67	CI/R/DI	100	140	-0.15	0.22	0.63
P-473	J-320	J-366	7	DI/P	150	140	-0.89	0.58	2.41
P-474	J-366	J-321	119	DI/P	100	140	0.46	0.68	5.20
P-475	J-381	J-361	925	CI/E	350	80	5.95	0.72	3.73
P-476	J-380	J-349	1,406	DI/P	500	140	21.90	1.29	2.60
P-477	J-367	J-369	130	DI/P	250	140	2.96	0.70	1.88
P-478	J-369	J-118	7	DI/P	200	140	0.68	0.25	0.36
P-479	J-283	J-118	85	CI/R/DI	100	140	-0.36	0.53	3.29
P-480	J-369	J-27	72	CI/R/DI	100	140	0.33	0.48	2.72
P-481	J-154	J-14	174	CI/R/DI	100	140	-0.15	0.22	0.65
P-482	J-34	J-371	216	CI/R/DI	100	140	-0.08	0.11	0.18
P-483	J-372	J-120	12	CI/R/DI	150	140	0.71	0.46	1.60
P-484	J-347	J-372	50	DI/P	100	140	0.33	0.48	2.77
P-485	J-372	J-371	20	CI/R/DI	100	140	0.49	0.72	5.74
P-486	J-373	J-365	136	DI/E	250	130	2.95	0.70	2.14
P-487	J-373	J-232	8	DI/P	150	140	0.80	0.52	2.00
P-488	J-248	J-374	186	CI/R/DI	100	140	-0.27	0.39	1.89
P-489	J-25	J-283	49	CI/R/DI	100	140	-0.10	0.15	0.30
P-490	J-375	J-204	76	DI/P	150	140	0.52	0.34	0.90
P-491	J-375	J-46	7	DI/P	150	140	0.70	0.46	1.58
P-492	J-15	J-24	136	DI/P	100	140	-0.08	0.11	0.19

PIPE TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-493	J-24	Hotel Residency Tower	18	DI/P	100	140	0.01	0.01	0.00
P-494	J-242	J-265	77	CI/R/DI	100	140	-0.05	0.07	0.08
P-495	J-265	J-184	68	CI/R/DI	100	140	-0.20	0.30	1.13
P-496	J-256	J-376	22	CI/R/DI	100	140	-0.24	0.36	1.58
P-497	J-376	J-345	37	CI/R/DI	100	140	-0.28	0.41	2.01
P-498	J-25	J-377	19	DI/P	100	140	0.22	0.32	1.26
P-499	J-377	J-16	159	DI/P	100	140	0.17	0.25	0.80
P-500	J-276	J-378	16	DI/P	100	140	0.00	0.01	0.00
P-501	J-378	J-15	135	DI/P	100	140	-0.06	0.08	0.10
P-502	J-381	FCV-1(W-136)	704	CI/R/DI	300	140	4.82	0.79	1.90
P-503	FCV-1(W-136)	J-359	7	CI/R/DI	300	140	4.82	0.79	1.90
P-504	J-381	J-380	143	DI/P	500	140	29.34	1.73	4.48
P-505	J-380	FCV-2(W-136)	349	DI/E	400	130	7.44	0.69	1.20
P-506	FCV-2(W-136)	J-367	10	DI/E	400	130	7.44	0.69	1.20
P-507	J-130	J-382	6	DI/E	250	130	-0.58	0.14	0.11
P-508	J-382	J-11	75	DI/E	250	130	0.72	0.17	0.16
P-509	J-253	J-383	14	DI/P	150	140	-0.86	0.56	2.29
P-510	J-383	J-384	6	CI/R/DI	150	140	-0.57	0.37	1.07
P-511	J-386	J-360	9	DI/P	150	140	0.09	0.06	0.03
P-512	J-359	J-2	14	DI/P	150	140	0.89	0.58	2.43
P-513	J-359	J-387	446	DI/P	250	140	3.12	0.74	2.07
P-514	J-387	J-386	328	DI/P	200	140	2.14	0.79	3.05
P-515	J-386	J-388	338	DI/E	350	130	2.05	0.25	0.21
P-516	J-388	J-53	8	DI/P	150	140	0.58	0.38	1.09
P-517	J-387	J-47	11	DI/P	150	140	0.98	0.64	2.90
P-518	J-388	J-389	177	DI/E	350	130	1.48	0.18	0.12
P-519	J-389	J-10	7	DI/E	350	130	0.89	0.11	0.05
P-520	J-389	J-91	232	DI/P	150	140	0.59	0.38	1.12
P-521	J-390	J-241	440	DI/P	150	140	0.65	0.42	1.35
P-522	J-359	J-390	296	DI/P	150	140	0.81	0.53	2.04
P-523	J-390	J-103	5	DI/P	150	140	0.16	0.11	0.10
P-524	J-261	J-391	340	DI/P	100	140	-0.41	0.61	4.23
P-525	J-363	FCV-6(W-141)	312	DI/E	400	130	6.19	0.57	0.85
P-526	J-338	J-391	40	CI/R/DI	100	140	-0.32	0.46	2.57
P-527	J-391	FCV-6(W-141)	8	DI/E	400	140	-6.19	0.57	0.74
P-528	J-365	J-392	48	DI/E	250	130	2.12	0.50	1.16
P-529	J-392	J-382	79	DI/E	250	130	1.30	0.31	0.47

PIPE TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-530	J-392	J-170	7	DI/P	150	140	0.82	0.54	2.09
P-531	J-365	J-393	97	DI/P	200	140	0.83	0.31	0.53
P-532	J-393	J-261	97	DI/P	200	140	0.48	0.18	0.19
P-533	J-393	J-260	8	DI/P	150	140	0.35	0.23	0.44
P-534	J-385	J-373	209	DI/E	250	130	3.75	0.88	3.33
P-535	J-385	J-337	6	DI/P	150	140	1.13	0.74	3.76
P-536	J-391	J-394	43	DI/P	300	140	5.25	0.86	2.23
P-537	J-394	J-385	70	DI/P	250	140	4.52	1.07	4.10
P-538	J-394	J-338	4	DI/P	150	140	0.73	0.48	1.70
P-539	J-345	J-395	236	CI/R/DI	100	140	-0.30	0.44	2.32
P-540	J-395	J-346	125	DI/P	100	140	0.39	0.58	3.85
P-541	J-363	FCV-5	376	DI/P	350	140	8.64	1.04	2.64
P-542	J-361	FCV-3(W-136)	48	DI/E	350	130	5.95	0.72	1.52
P-543	FCV-3(W-136)	J-324	10	DI/E	350	130	5.95	0.72	1.52
P-544	J-374	J-44	11	DI/P	100	140	-0.52	0.77	6.57
P-546	J-44	J-396	239	DI/E	350	130	2.50	0.30	0.31
P-547	J-396	J-126	10	DI/P	150	140	1.03	0.68	3.21
P-548	J-396	J-422	120	DI/E	350	130	0.73	0.09	0.03
P-548A	J-422	J-177	8	DI/P	150	140	1.18	0.78	4.13
P-549	J-396	J-384	237	CI/R/DI	150	140	0.74	0.48	1.71
P-550	J-324	J-397	9	DI/P	150	140	0.45	0.30	0.70
P-551	J-397	J-362	64	CI/R/DI	100	140	0.18	0.26	0.90
P-552	J-397	J-84	342	CI/R/DI	100	140	0.27	0.40	1.98
P-553	J-366	J-398	135	DI/P	200	140	2.31	0.85	3.49
P-554	J-398	J-86	7	DI/P	150	140	0.40	0.26	0.55
P-555	J-398	J-399	102	DI/P	150	140	1.10	0.72	3.61
P-556	J-399	J-88	6	DI/P	150	140	0.44	0.28	0.65
P-557	J-399	J-19	128	DI/P	150	140	0.67	0.44	1.42
P-558	J-398	J-400	181	DI/P	150	140	0.80	0.53	2.02
P-559	J-400	J-267	6	DI/P	150	140	0.23	0.15	0.20
P-560	J-400	J-194	321	DI/P	150	140	0.58	0.38	1.09
P-561	J-369	J-401	25	DI/P	250	140	1.94	0.46	0.86
P-562	J-401	J-375	72	DI/P	250	140	1.22	0.29	0.36
P-563	J-401	J-402	238	DI/P	150	140	0.72	0.47	1.64
P-564	J-402	J-38	70	DI/P	150	140	0.43	0.28	0.62
P-565	J-402	J-80	123	DI/P	150	140	0.29	0.19	0.31
P-566	J-50	J-370	14	CI/R/DI	100	140	-0.37	0.55	3.46
P-567	J-370	J-176	43	CI/R/DI	100	140	0.27	0.40	1.99
P-568	J-94	J-368	28	CI/R/DI	100	140	-0.40	0.59	3.99
P-569	J-368	J-191	50	CI/R/DI	100	140	0.44	0.65	4.84
P-570	J-403	J-218	320	DI/P	200	140	1.37	0.51	1.34
P-571	J-404	J-190	8	DI/P	150	140	0.38	0.25	0.51
P-572	J-403	J-405	135	DI/P	300	140	5.70	0.93	2.59

PIPE TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT									
Label	Start Node	Stop Node	Length (Scaled) (m)	Material	Diameter (mm)	Hazen-Williams C	Flow (MLD)	Velocity (m/s)	Headloss Gradient (m/km)
P-573	J-405	J-404	325	DI/P	200	140	2.32	0.86	3.54
P-574	J-404	J-406	164	DI/P	200	140	1.94	0.71	2.54
P-575	J-406	J-368	6	DI/P	150	140	0.61	0.40	1.19
P-576	J-406	J-220	102	DI/P	150	140	0.59	0.39	1.13
P-577	J-406	J-407	115	DI/P	150	140	0.74	0.49	1.74
P-578	J-407	J-370	5	DI/P	150	140	0.35	0.23	0.43
P-579	J-407	J-340	106	DI/P	150	140	0.39	0.26	0.53
P-580	J-405	J-408	74	DI/P	150	140	1.22	0.80	4.40
P-581	J-408	J-4	9	DI/P	150	140	0.35	0.23	0.44
P-582	J-405	J-409	52	DI/P	200	140	2.15	0.79	3.07
P-583	J-409	J-341	59	DI/P	150	140	0.77	0.50	1.84
P-584	J-409	J-69	7	DI/P	150	140	1.39	0.91	5.53
P-585	J-408	J-410	256	DI/P	150	140	0.87	0.57	2.35
P-586	J-410	J-229	5	DI/P	150	140	0.37	0.24	0.48
P-587	J-410	J-226	177	DI/P	150	140	0.50	0.33	0.84
P-588	J-411	J-347	6	DI/P	250	140	0.74	0.17	0.14
P-589	J-417	J-412	132	DI/P	300	140	6.87	1.13	3.67
P-590	J-412	J-411	320	DI/P	250	140	1.66	0.39	0.64
P-591	J-412	J-413	64	DI/P	300	140	4.65	0.76	1.78
P-592	J-413	J-414	165	DI/P	250	140	1.94	0.46	0.85
P-593	J-414	J-146	10	DI/P	150	140	1.17	0.77	4.05
P-594	J-414	J-141	120	DI/P	150	140	0.76	0.50	1.84
P-595	J-413	J-415	171	DI/P	250	140	2.71	0.64	1.59
P-596	J-415	J-57	7	DI/P	150	140	1.28	0.84	4.75
P-597	J-415	J-416	119	DI/P	150	140	0.74	0.49	1.74
P-598	J-416	J-62	4	DI/P	150	140	0.23	0.15	0.20
P-599	J-416	J-169	62	CI/R/DI	150	140	0.51	0.33	0.87
P-600	J-411	J-372	54	DI/P	150	140	0.91	0.60	2.55
P-601	FCV-5	J-417	7	DI/P	350	140	8.64	1.04	2.64
P-602	J-417	J-395	5	DI/P	150	140	0.89	0.59	2.46
P-603	J-417	J-418	240	DI/P	150	140	0.87	0.57	2.34
P-604	J-418	J-345	5	DI/P	150	140	0.13	0.09	0.07
P-605	J-418	J-256	63	DI/P	150	140	0.74	0.48	1.73
P-606	J-412	J-346	9	DI/P	150	140	0.57	0.37	1.06
P-607	J-415	J-41	90	CI/R/DI	150	140	0.70	0.46	1.54
P-608	J-349	FCV-4	6	DI/P	300	140	7.07	1.16	3.86
P-609	FCV-4	J-403	144	DI/P	300	140	7.07	1.16	3.86
P-610	J-129	SCV-1	12	DI/P	100	140	-0.01	0.01	0.00
P-611	SCV-1	J-93	22	DI/P	100	140	-0.01	0.01	0.00
P-612	J-378	SCV-3	11	DI/P	100	140	0.01	0.01	0.00
P-613	SCV-3	J-379	11	DI/P	100	140	0.01	0.01	0.00
P-614	J-202	SCV-5	26	DI/P	100	140	-0.01	0.02	0.01
P-615	SCV-5	J-65	26	DI/P	100	140	-0.01	0.02	0.01
P-616	J-31	SCV-7	48	DI/P	100	140	-0.16	0.23	0.70
P-617	SCV-7	J-30	11	DI/P	100	140	-0.16	0.23	0.70

PIPE TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT									
Label	**Start Node**	**Stop Node**	**Length (Scaled) (m)**	**Material**	**Diameter (mm)**	**Hazen-Williams C**	**Flow (MLD)**	**Velocity (m/s)**	**Headloss Gradient (m/km)**
P-618	J-122	SCV-9	14	CI/R/DI	100	140	0.22	0.33	1.33
P-619	SCV-9	J-196	51	CI/R/DI	100	140	0.22	0.33	1.33
P-620	J-130	SCV-11	66	CI/R/DI	100	140	0.19	0.27	0.95
P-621	SCV-11	J-70	69	CI/R/DI	100	140	0.19	0.27	0.95
P-622	Vallurukottam OHT	J-381	801	DI/P	700	140	40.11	1.21	1.55
P-624	PMP-1	J-419	10	MS/E	1,200	130	27.37	0.28	0.06
P-625	Vallurukottam UGT	PMP-1	14	MS/E	1,200	130	27.37	0.28	0.06
P-626	J-9	SCV-2	54	CI/R/DI	100	140	0.02	0.03	0.02
P-627	SCV-2	J-8	24	CI/R/DI	100	140	0.02	0.03	0.02
P-628	J-5	SCV-4	122	DI/P	100	140	-0.12	0.18	0.46
P-629	SCV-4	J-26	7	DI/P	100	140	-0.12	0.18	0.46
P-630	J-85	SCV-6	18	CI/R/DI	100	140	0.07	0.11	0.17
P-631	SCV-6	J-162	22	CI/R/DI	100	140	0.07	0.11	0.17
P-632	J-227	SCV-8	6	DI/P	100	140	0.35	0.51	3.09
P-633	SCV-8	J-219	65	CI/R/DI	100	140	0.35	0.51	3.09
P-634	J-348	SCV-10	49	DI/P	100	140	0.08	0.12	0.20
P-635	SCV-10	J-34	9	DI/P	100	140	0.08	0.12	0.20
P-636	J-338	SCV-12	8	DI/P	100	140	0.40	0.59	3.98
P-637	SCV-12	J-260	325	CI/R/DI	100	140	0.40	0.59	3.98
P-638	J-367	J-420	508	DI/E	400	130	0.80	0.07	0.02
P-639	J-362	J-329	70	DI/E	150	130	1.07	0.70	3.90
P-640	J-422	J-137	646	DI/E	350	130	-0.45	0.05	0.01

JUNCTION TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
Hotel Residency Tower	6.37	0.01	23.00
J-1	6.24	0.09	23.00
J-2	6.54	0.10	24.00
J-3	6.25	0.14	23.00
J-4	6.67	0.22	19.00
J-5	6.09	0.10	24.00
J-6	6.59	0.11	23.00
J-7	6.70	0.22	18.00
J-8	6.41	0.02	22.00
J-9	6.53	0.05	22.00
J-10	6.52	0.07	22.00
J-11	7.08	0.14	18.00
J-12	6.55	0.09	22.00
J-13	6.61	0.19	18.00
J-14	6.79	0.24	18.00
J-15	6.08	0.14	23.00
J-16	6.46	0.09	23.00
J-17	6.90	0.22	18.00
J-18	6.69	0.13	23.00
J-19	6.25	0.11	23.00
J-20	6.03	0.11	21.00
J-21	6.58	0.15	21.00
J-22	6.63	0.09	23.00
J-23	6.59	0.06	23.00
J-24	6.38	0.09	23.00
J-25	6.26	0.05	24.00
J-26	5.87	0.11	24.00
J-27	6.23	0.08	24.00
J-28	6.62	0.09	23.00
J-29	6.47	0.12	23.00
J-30	6.19	0.12	20.00
J-31	6.72	0.12	19.00
J-32	6.04	0.05	21.00
J-33	5.97	0.10	21.00
J-34	6.10	0.15	18.00
J-35	6.53	0.08	23.00
J-36	6.52	0.05	23.00
J-37	6.51	0.05	23.00
J-38	6.47	0.07	23.00
J-39	6.15	0.05	21.00
J-40	6.26	0.12	18.00
J-41	6.04	0.07	18.00
J-42	6.52	0.07	22.00

JUNCTION TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-43	6.63	0.11	21.00
J-44	6.60	0.10	21.00
J-45	6.69	0.07	23.00
J-46	6.57	0.09	24.00
J-47	6.68	0.10	23.00
J-48	7.08	0.06	18.00
J-49	7.07	0.11	18.00
J-50	7.12	0.19	17.00
J-51	6.51	0.11	22.00
J-52	6.54	0.05	22.00
J-53	6.59	0.10	22.00
J-54	6.55	0.05	22.00
J-55	6.68	0.08	21.00
J-56	7.18	0.06	21.00
J-57	6.60	0.06	18.00
J-58	6.47	0.07	18.00
J-59	6.63	0.14	18.00
J-60	6.67	0.06	18.00
J-61	6.56	0.12	22.00
J-62	6.28	0.09	18.00
J-63	6.28	0.10	18.00
J-64	6.52	0.10	22.00
J-65	6.72	0.07	20.00
J-66	6.07	0.06	21.00
J-67	6.22	0.06	21.00
J-68	6.40	0.08	20.00
J-69	6.59	0.22	20.00
J-70	7.08	0.11	18.00
J-71	6.61	0.04	23.00
J-72	6.65	0.01	23.00
J-73	7.14	0.11	18.00
J-74	7.07	0.11	18.00
J-75	6.28	0.10	21.00
J-76	6.19	0.13	18.00
J-77	6.96	0.10	18.00
J-78	7.05	0.08	17.00
J-79	7.10	0.12	17.00
J-80	6.78	0.10	23.00
J-81	6.66	0.07	23.00
J-82	6.56	0.10	21.00
J-83	6.68	0.11	21.00
J-84	6.25	0.05	21.00
J-85	6.03	0.07	21.00

JUNCTION TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-86	6.08	0.08	24.00
J-87	6.11	0.08	23.00
J-88	6.06	0.05	23.00
J-89	7.06	0.08	21.00
J-90	6.59	0.06	21.00
J-91	6.69	0.09	21.00
J-92	6.58	0.05	22.00
J-93	6.40	0.04	23.00
J-94	7.15	0.19	17.00
J-95	6.45	0.01	21.00
J-96	6.58	0.06	21.00
J-97	6.57	0.06	23.00
J-98	6.78	0.12	18.00
J-99	6.81	0.07	18.00
J-100	6.91	0.07	21.00
J-101	6.77	0.18	18.00
J-102	6.27	0.09	21.00
J-103	6.69	0.13	23.00
J-104	7.01	0.18	18.00
J-105	6.09	0.09	21.00
J-106	6.06	0.05	21.00
J-107	6.26	0.07	18.00
J-108	6.28	0.08	18.00
J-109	6.57	0.04	23.00
J-110	6.54	0.09	23.00
J-111	6.96	0.11	18.00
J-112	7.12	0.02	18.00
J-113	6.52	0.12	23.00
J-114	6.58	0.13	23.00
J-115	6.66	0.06	21.00
J-116	6.77	0.08	18.00
J-117	6.51	0.09	24.00
J-118	6.58	0.03	24.00
J-119	6.43	0.10	23.00
J-120	6.77	0.13	18.00
J-121	6.72	0.12	18.00
J-122	6.00	0.12	18.00
J-123	6.26	0.12	18.00
J-124	6.20	0.08	18.00
J-125	6.49	0.13	23.00
J-126	6.66	0.06	21.00
J-127	6.67	0.11	21.00
J-128	6.46	0.10	22.00

JUNCTION TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-129	6.50	0.01	22.00
J-130	6.92	0.11	18.00
J-131	7.10	0.12	18.00
J-132	6.60	0.08	22.00
J-133	6.51	0.01	22.00
J-134	6.51	0.04	23.00
J-135	6.15	0.25	18.00
J-136	6.25	0.17	18.00
J-137	7.01	0.07	21.00
J-138	6.28	0.09	23.00
J-139	6.71	0.11	18.00
J-140	6.75	0.12	18.00
J-141	6.68	0.08	18.00
J-142	6.40	0.10	18.00
J-143	6.73	0.09	23.00
J-144	6.87	0.21	18.00
J-145	6.83	0.12	18.00
J-146	6.98	0.14	18.00
J-147	6.73	0.12	18.00
J-148	6.94	0.02	19.00
J-149	6.90	0.08	19.00
J-150	6.08	0.08	21.00
J-151	6.37	0.06	21.00
J-152	6.61	0.08	23.00
J-153	6.48	0.04	23.00
J-154	6.68	0.21	18.00
J-155	6.64	0.09	18.00
J-156	5.94	0.08	23.00
J-157	6.81	0.19	19.00
J-158	6.07	0.16	21.00
J-159	6.00	0.01	23.00
J-160	6.28	0.08	23.00
J-161	6.20	0.09	21.00
J-162	6.64	0.09	21.00
J-163	6.68	0.09	23.00
J-164	6.41	0.12	21.00
J-165	7.12	0.23	20.00
J-166	6.44	0.06	23.00
J-167	6.07	0.09	21.00
J-168	6.52	0.02	19.00
J-169	6.11	0.16	18.00
J-170	7.13	0.19	18.00
J-171	7.02	0.20	18.00

JUNCTION TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-172	6.64	0.12	17.00
J-173	6.04	0.02	18.00
J-174	6.73	0.09	23.00
J-175	7.06	0.05	21.00
J-176	7.17	0.22	17.00
J-177	6.56	0.12	21.00
J-178	7.16	0.13	18.00
J-179	6.15	0.08	23.00
J-180	6.13	0.07	23.00
J-181	7.02	0.21	18.00
J-182	6.24	0.16	18.00
J-183	6.17	0.11	23.00
J-184	6.55	0.09	22.00
J-185	6.55	0.02	22.00
J-186	6.31	0.06	23.00
J-187	6.12	0.01	23.00
J-188	6.42	0.05	23.00
J-189	6.26	0.13	18.00
J-190	7.08	0.25	18.00
J-191	7.08	0.21	17.00
J-192	6.70	0.13	23.00
J-193	6.32	0.14	23.00
J-194	6.06	0.06	23.00
J-195	6.11	0.08	23.00
J-196	6.94	0.25	17.00
J-197	6.97	0.24	17.00
J-198	6.70	0.08	23.00
J-199	6.54	0.05	23.00
J-200	6.73	0.11	18.00
J-201	6.44	0.33	19.00
J-202	5.86	0.01	21.00
J-203	6.52	0.09	21.00
J-204	6.53	0.10	24.00
J-205	6.75	0.02	22.00
J-206	6.20	0.02	21.00
J-207	6.27	0.14	21.00
J-208	6.19	0.08	23.00
J-209	6.50	0.08	21.00
J-210	6.75	0.05	21.00
J-211	6.52	0.08	23.00
J-212	6.25	0.07	23.00
J-213	7.09	0.04	18.00
J-214	6.51	0.05	22.00

JUNCTION TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-215	6.63	0.02	21.00
J-216	6.39	0.07	21.00
J-217	6.58	0.02	23.00
J-218	6.41	0.29	20.00
J-219	6.74	0.20	18.00
J-220	7.03	0.20	18.00
J-221	6.43	0.11	23.00
J-222	6.45	0.08	23.00
J-223	6.78	0.13	18.00
J-224	7.17	0.24	17.00
J-225	7.11	0.24	17.00
J-226	6.43	0.13	19.00
J-227	6.59	0.12	18.00
J-228	6.64	0.20	18.00
J-229	6.65	0.23	19.00
J-230	6.64	0.10	22.00
J-231	6.17	0.13	21.00
J-232	7.24	0.16	18.00
J-233	7.02	0.20	18.00
J-234	6.64	0.24	19.00
J-235	6.08	0.06	21.00
J-236	6.69	0.09	22.00
J-237	7.07	0.09	17.00
J-238	6.67	0.13	21.00
J-239	6.47	0.12	22.00
J-240	6.69	0.07	22.00
J-241	6.51	0.08	22.00
J-242	6.63	0.07	22.00
J-243	7.02	0.02	21.00
J-244	6.52	0.10	22.00
J-245	6.21	0.12	21.00
J-246	6.41	0.08	21.00
J-247	6.54	0.13	23.00
J-248	6.58	0.11	21.00
J-249	6.64	0.25	17.00
J-250	6.68	0.02	23.00
J-251	6.41	0.08	23.00
J-252	6.26	0.12	21.00
J-253	6.21	0.09	21.00
J-254	7.13	0.28	18.00
J-255	7.00	0.04	18.00
J-256	7.20	0.21	18.00
J-257	7.00	0.05	18.00

JUNCTION TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-258	7.21	0.04	18.00
J-259	6.71	0.02	21.00
J-260	7.20	0.26	18.00
J-261	7.12	0.25	18.00
J-262	6.50	0.02	23.00
J-263	6.57	0.03	23.00
J-264	6.71	0.02	23.00
J-265	6.68	0.06	22.00
J-266	7.01	0.07	18.00
J-267	5.91	0.10	24.00
J-268	6.15	0.14	23.00
J-269	6.10	0.10	23.00
J-270	6.58	0.03	22.00
J-271	7.03	0.08	18.00
J-272	6.33	0.09	21.00
J-273	6.58	0.15	23.00
J-274	6.17	0.12	23.00
J-275	7.07	0.12	18.00
J-276	5.72	0.00	23.00
J-277	6.28	0.14	23.00
J-278	6.65	0.04	21.00
J-279	7.06	0.08	18.00
J-280	7.07	0.09	17.00
J-281	6.60	0.04	21.00
J-282	6.59	0.12	21.00
J-283	6.64	0.09	23.00
J-284	6.68	0.10	21.00
J-285	7.03	0.13	18.00
J-286	7.05	0.22	17.00
J-287	6.99	0.14	18.00
J-288	7.07	0.23	17.00
J-289	6.97	0.14	18.00
J-290	7.25	0.23	17.00
J-291	6.51	0.10	22.00
J-292	6.58	0.11	21.00
J-293	6.24	0.11	21.00
J-294	6.65	0.11	21.00
J-295	6.61	0.01	21.00
J-296	6.67	0.11	20.00
J-297	6.74	0.13	20.00
J-298	6.66	0.09	21.00
J-299	6.57	0.04	23.00
J-300	6.63	0.07	23.00

JUNCTION TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-301	6.55	0.06	23.00
J-302	6.65	0.11	23.00
J-303	6.54	0.11	23.00
J-304	6.65	0.13	23.00
J-305	6.64	0.12	23.00
J-306	6.49	0.07	24.00
J-307	6.59	0.15	21.00
J-308	6.57	0.13	21.00
J-309	6.65	0.12	21.00
J-310	6.54	0.12	21.00
J-311	6.51	0.12	21.00
J-312	6.66	0.07	21.00
J-313	6.61	0.13	21.00
J-314	7.22	0.12	20.00
J-315	7.21	0.25	17.00
J-316	7.05	0.23	17.00
J-317	7.14	0.17	17.00
J-318	6.56	0.08	24.00
J-319	6.48	0.14	23.00
J-320	6.00	0.09	24.00
J-321	6.17	0.09	24.00
J-322	6.06	0.11	23.00
J-323	6.07	0.07	23.00
J-324	6.59	0.08	21.00
J-325	6.54	0.14	21.00
J-326	6.26	0.11	21.00
J-327	6.04	0.06	21.00
J-328	6.09	0.02	21.00
J-329	6.59	0.08	21.00
J-330	6.55	0.11	21.00
J-331	6.05	0.12	21.00
J-332	6.31	0.11	21.00
J-333	6.62	0.05	20.00
J-334	7.67	0.04	17.00
J-335	7.07	0.19	17.00
J-336	7.04	0.18	18.00
J-337	7.18	0.16	19.00
J-338	7.02	0.25	19.00
J-339	7.23	0.21	17.00
J-340	7.12	0.44	17.00
J-341	6.84	0.28	19.00
J-342	6.66	0.09	19.00
J-343	6.59	0.11	19.00

JUNCTION TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-344	7.08	0.10	17.00
J-345	7.06	0.15	18.00
J-346	6.50	0.30	19.00
J-347	6.45	0.33	18.00
J-348	6.13	0.15	18.00
J-349	6.72	0.00	20.00
J-350	7.09	0.07	18.00
J-351	7.16	0.09	18.00
J-352	7.09	0.09	18.00
J-353	7.10	0.06	18.00
J-354	7.14	0.11	17.00
J-355	7.10	0.15	18.00
J-356	7.09	0.16	18.00
J-357	7.15	0.19	17.00
J-358	7.13	0.20	17.00
J-359	6.59	0.00	24.00
J-360	6.64	0.11	22.00
J-361	6.59	0.00	21.00
J-362	6.50	0.00	21.00
J-363	7.09	0.00	19.00
J-364	6.60	0.04	21.00
J-365	7.07	0.00	18.00
J-366	6.07	0.03	24.00
J-367	6.26	0.00	24.00
J-368	7.01	0.12	18.00
J-369	6.57	0.02	24.00
J-370	7.05	0.10	17.00
J-371	6.11	0.25	18.00
J-372	6.73	0.05	18.00
J-373	7.23	0.00	18.00
J-374	6.54	0.00	21.00
J-375	6.55	0.00	24.00
J-376	7.07	0.03	18.00
J-377	6.52	0.05	23.00
J-378	5.72	0.05	23.00
J-379	5.65	0.01	23.00
J-380	6.07	0.00	25.00
J-381	6.16	0.00	25.00
J-382	6.91	0.00	18.00
J-383	6.13	0.06	21.00
J-384	6.08	0.02	21.00
J-385	7.16	0.04	19.00
J-386	6.66	0.00	22.00

JUNCTION TABLE-VALLUVARKOTTAM WDS-08 PROPOSED OHT			
Label	**Elevation (m)**	**Demand (MLD)**	**Pressure (m H2O)**
J-387	6.66	0.00	23.00
J-388	6.59	0.00	22.00
J-389	6.52	0.00	22.00
J-390	6.71	0.00	23.00
J-391	7.11	0.21	19.00
J-392	7.15	0.00	18.00
J-393	7.17	0.00	18.00
J-394	7.00	0.00	19.00
J-395	6.74	0.20	19.00
J-396	6.65	0.00	21.00
J-397	6.56	0.00	21.00
J-398	6.05	0.00	24.00
J-399	6.14	0.00	23.00
J-400	5.91	0.00	24.00
J-401	6.48	0.00	24.00
J-402	6.54	0.00	23.00
J-403	6.72	0.00	20.00
J-404	7.07	0.00	18.00
J-405	6.43	0.00	20.00
J-406	7.02	0.00	18.00
J-407	7.08	0.00	17.00
J-408	6.74	0.00	19.00
J-409	6.56	0.00	20.00
J-410	6.64	0.00	19.00
J-411	6.49	0.00	18.00
J-412	6.46	0.00	19.00
J-413	6.94	0.00	18.00
J-414	7.24	0.00	18.00
J-415	6.69	0.00	18.00
J-416	6.27	0.00	18.00
J-417	6.76	0.00	19.00
J-418	7.03	0.00	18.00
J-420	6.53	0.00	24.00
J-421	6.52	0.00	22.00
J-422	6.56	0.00	21.00

RESERVOIR TABLE- VALLUVARKOTTAM -08	
Label	**Elevation (m)**
Valluvarkotattam WDS	5.81

TANK TABLE-VALLUVARKOTTAM WDS-08 EXISTING OHT					
Label	**Elevation (Base) (m)**	**Elevation (Minimum) (m)**	**Elevation (Initial) (m)**	**Elevation (Maximum) (m)**	**Flow (Out net) (MLD)**
Vallurukottam OHT	28.73	29.03	33	33.26	27.74