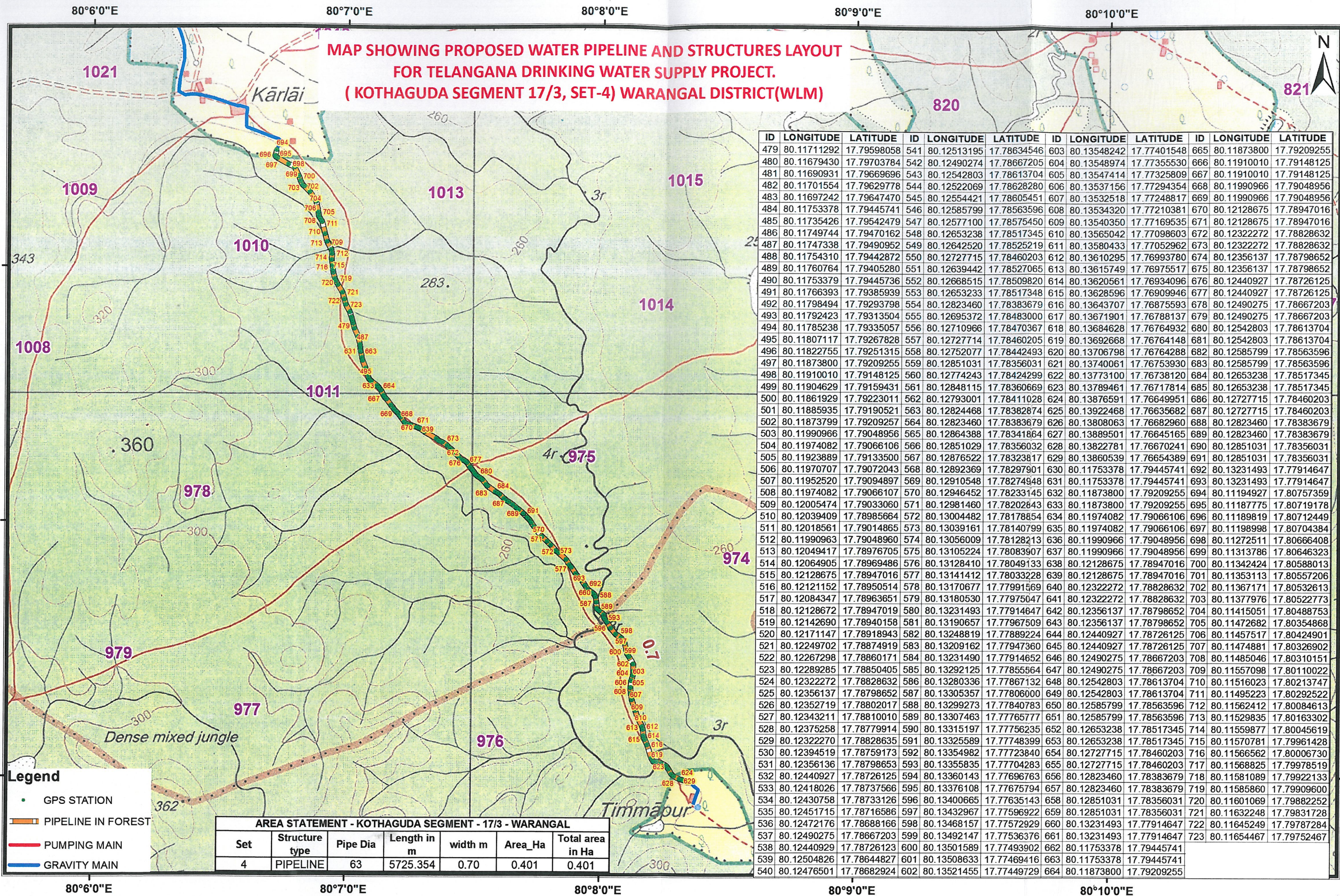
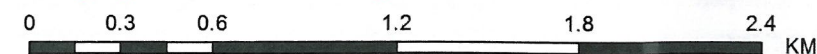




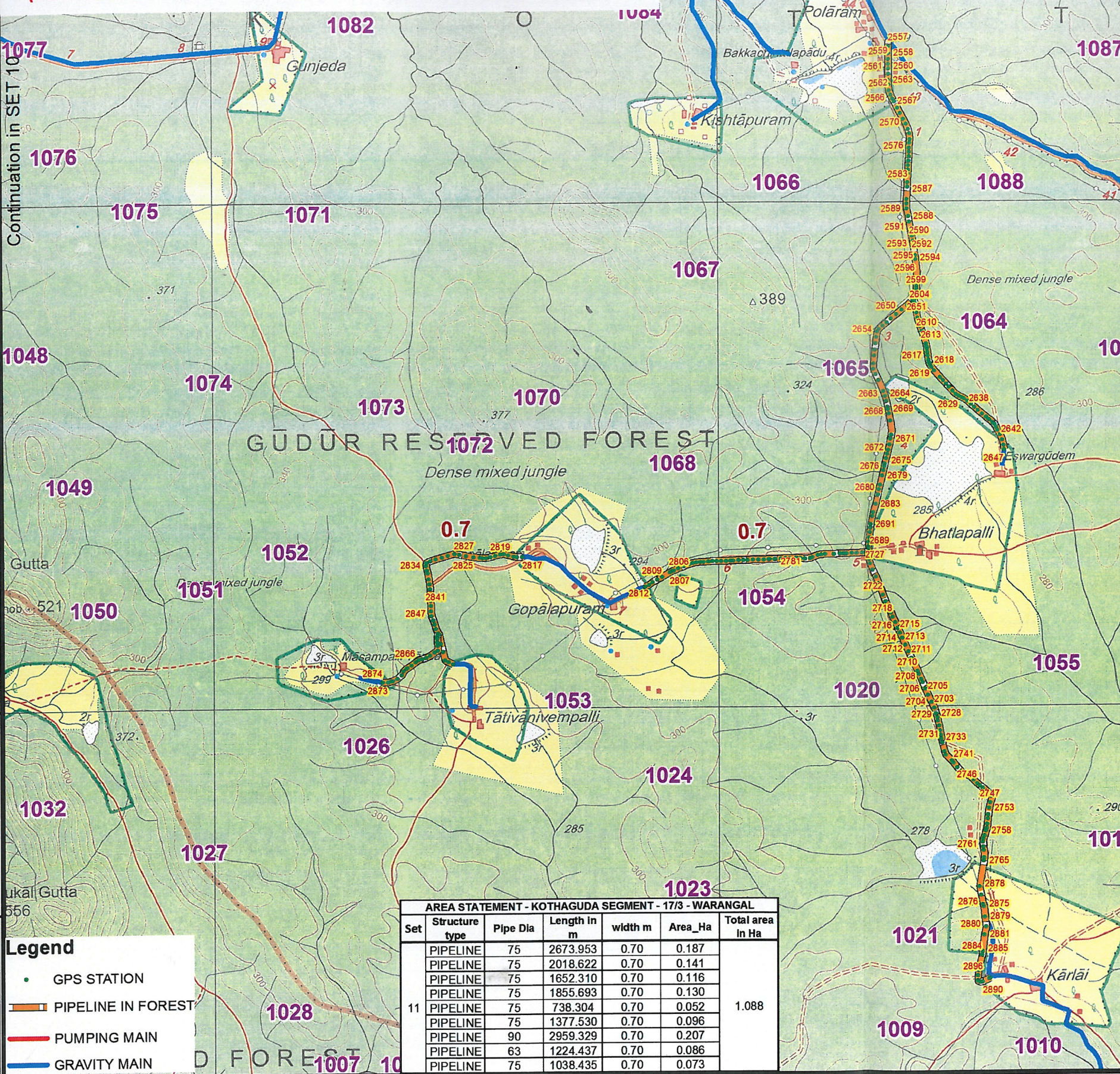
Geographic Coordinate System and WGS-84 Datum



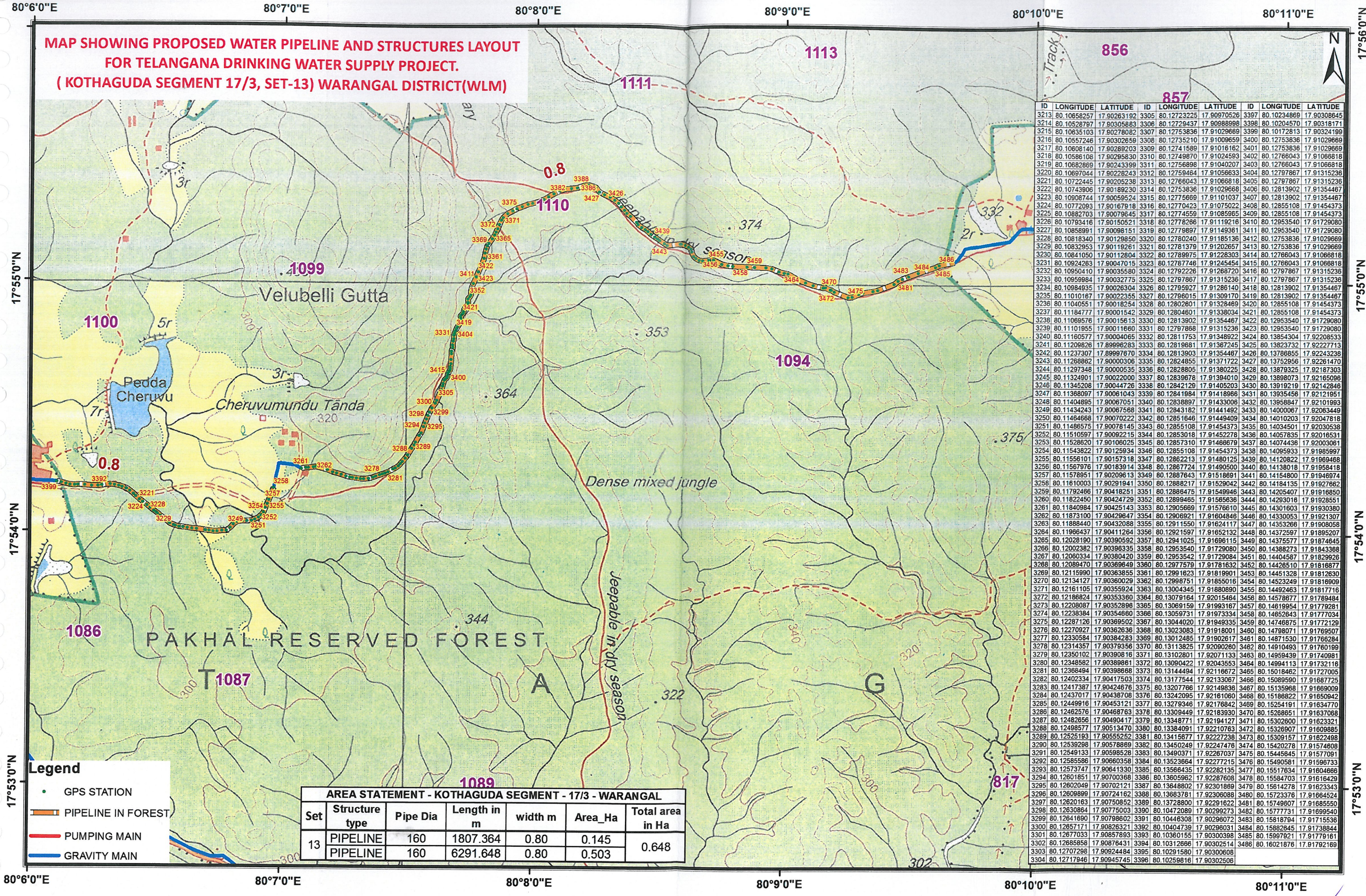
Superintending Engineer
TDWSP Circle, Warangal.

Chief Engineer
TDWSP Hyderabad.

MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT FOR TELANGANA DRINKING WATER SUPPLY PROJECT. (KOTHAGUDA SEGMENT 17/3, SET-11) WARANGAL DISTRICT(WLM)



ID	LONGITUDE	LATITUDE	ID	LONGITUDE	LATITUDE	ID	LONGITUDE	LATITUDE	ID	LONGITUDE	LATITUDE	ID	LONGITUDE	LATITUDE	ID	LONGITUDE	LATITUDE
2557	80.09739630	17.88771551	2642	80.10623504	17.85631572	2727	80.09573386	17.84509013	2812	80.07748920	17.84343277	2897	80.09573386	17.84509013	2982	80.07748920	17.84343277
2558	80.09739795	17.88713427	2643	80.10635029	17.85607126	2728	80.10119283	17.83217161	2813	80.06553702	17.84607008	2898	80.10119283	17.83217161	2983	80.06553702	17.84607008
2559	80.09740167	17.88663987	2644	80.10655182	17.85570269	2729	80.10126967	17.83240786	2814	80.06582799	17.84596355	2899	80.10126967	17.83240786	2984	80.06582799	17.84596355
2560	80.09740859	17.88624002	2645	80.10673412	17.85528787	2730	80.10132096	17.83214185	2815	80.06632444	17.84583605	2900	80.10132096	17.83214185	2985	80.06632444	17.84583605
2561	80.09740883	17.88589357	2646	80.10686258	17.85481714	2731	80.10142137	17.83170840	2816	80.06657532	17.84579261	2901	80.10142137	17.83170840	2986	80.06657532	17.84579261
2562	80.09741337	17.88542693	2647	80.10689555	17.85447055	2732	80.10150438	17.83132557	2817	80.06705827	17.84579381	2902	80.10150438	17.83132557	2987	80.06705827	17.84579381
2563	80.09737495	17.88490815	2648	80.09720135	17.86505018	2733	80.10157267	17.83094870	2818	80.06522054	17.84602787	2903	80.10157267	17.83094870	2988	80.06522054	17.84602787
2564	80.09742614	17.88456404	2649	80.09757338	17.86536461	2734	80.10163120	17.83066606	2819	80.06484825	17.84590640	2904	80.10163120	17.83066606	2989	80.06484825	17.84590640
2565	80.09745130	17.88408911	2650	80.09797994	17.86569312	2735	80.10170456	17.83034264	2820	80.06441945	17.84578323	2905	80.10170456	17.83034264	2990	80.06441945	17.84578323
2566	80.09758949	17.88372579	2651	80.09843849	17.86606499	2736	80.10185767	17.82958572	2821	80.06408158	17.84572239	2906	80.10185767	17.82958572	2991	80.06408158	17.84572239
2567	80.09774738	17.88340254	2652	80.09866614	17.86478944	2737	80.10197321	17.82932281	2822	80.06377595	17.84571854	2907	80.10197321	17.82932281	2992	80.06377595	17.84571854
2568	80.09787200	17.88316169	2653	80.098654934	17.86450877	2738	80.10249369	17.82882461	2823	80.06146983	17.84609201	2908	80.10249369	17.82882461	2993	80.06146983	17.84609201
2569	80.09814126	17.88263616	2654	80.098640479	17.86430023	2739	80.10323040	17.82794564	2824	80.06356948	17.84575005	2909	80.10323040	17.82794564	2994	80.06356948	17.84575005
2570	80.09837453	17.88219035	2655	80.098630332	17.86387426	2740	80.10293573	17.82828435	2825	80.06302593	17.84580942	2910	80.10293573	17.82828435	2995	80.06302593	17.84580942
2571	80.09863383	17.88170240	2656	80.098624260	17.86335747	2741	80.10262602	17.82866941	2826	80.06240089	17.84589204	2911	80.10262602	17.82866941	2996	80.06240089	17.84589204
2572	80.09882568	17.88131075	2657	80.098618358	17.86280250	2742	80.10337161	17.82783848	2827	80.06186167	17.84602364	2912	80.10337161	17.82783848	2997	80.06186167	17.84602364
2573	80.09903372	17.88087019	2658	80.098613611	17.86230993	2743	80.10366172	17.82768539	2828	80.05949279	17.84550639	2913	80.10366172	17.82768539	2998	80.05949279	17.84550639
2574	80.09913677	17.88051792	2659	80.098607021	17.86168761	2744	80.10404310	17.82751389	2829	80.05922088	17.84563981	2914	80.10404310	17.82751389	2999	80.05922088	17.84563981
2575	80.09915242	17.88003822	2660	80.098607223	17.86123187	2745	80.10428831	17.82725569	2830	80.06043029	17.84579771	2915	80.10428831	17.82725569	3000	80.06043029	17.84579771
2576	80.09912571	17.87973846	2661	80.098623798	17.86077915	2746	80.10457707	17.82696789	2831	80.06093602	17.84593892	2916	80.10457707	17.82696789	3001	80.06093602	17.84593892
2577	80.09908859	17.87899201	2662	80.098648771	17.86027980	2747	80.10478156	17.82680309	2832	80.05921806	17.84475263	2917	80.10478156	17.82680309	3002	80.05921806	17.84475263
2578	80.09910070	17.87933695	2663	80.098690726	17.85936091	2748	80.10505041	17.82661340	2833	80.05912171	17.84512219	2918	80.10505041	17.82661340	3003	80.05912171	17.84512219
2579	80.09907965	17.87865271	2664	80.09705777	17.85895569	2749	80.10573405	17.82591578	2834	80.05917540	17.84537926	2919	80.10573405	17.82591578	3004	80.05917540	17.84537926
2580	80.09901306	17.87755162	2665	80.09715228	17.85854543	2750	80.10535684	17.82633444	2835	80.05927403	17.84450903	2920	80.10535684	17.82633444	3005	80.05927403	17.84450903
2581	80.09905602	17.87826246	2666	80.09726277	17.85804603	2751	80.10557418	17.82611327	2836	80.05936398	17.84401726	2921	80.10557418	17.82611327	3006	80.05936398	17.84401726
2582	80.09900075	17.87719886	2667	80.09747592	17.85692508	2752	80.10567954	17.82538362	2837	80.05942690	17.84359212	2922	80.10567954	17.82538362	3007	80.05942690	17.84359212
2583	80.09903177	17.87790719	2668	80.09737671	17.85750035	2753	80.10555666	17.82495112	2838	80.05945428	17.84321753	2923	80.10555666	17.82495112	3008	80.05945428	17.84321753
2584	80.09895580	17.87651865	2669	80.09729501	17.85788233	2754	80.10547755	17.82441885	2839	80.05947230	17.84273739	2924	80.10547755	17.82441885	3009	80.05947230	17.84273739
2585	80.09889004	17.87511201	2670	80.09755753	17.85574775	2755	80.10545154	17.82409156	2840	80.05949590	17.84220455	2925	80.10545154	17.82409156	3010	80.05949590	17.84220455
2586	80.09886321	17.87477623	2671	80.09749533	17.85540380	2756	80.10540854	17.82364627	2841	80.05952646	17.84182661	2926	80.10540854	17.82364627	3011	80.05952646	17.84182661
2587	80.09893632	17.87616300	2672	80.09739704	17.85492510	2757	80.10536690	17.82330973	2842	80.05954461	17.84136243	2927	80.10536690	17.82330973	3012	80.05954461	17.84136243
2588	80.09901795	17.87372650	2673	80.09730751	17.85451202	2758	80.10531923	17.82307925	2843	80.06010166	17.83955714	2928	80.10531923	17.82307925	3013	80.06010166	17.83955714
2589	80.09888737	17.87437360	2674	80.09722044	17.85416012	2759	80.10508953	17.82245007	2844	80.05994789	17.83991007	2929	80.10508953	17.82245007	3014	80.05994789	17.83991007
2590	80.09910406	17.87325403	2675	80.09713425	17.85380648	2760	80.10518352	17.82270616	2845	80.05982586	17.84026993	2930	80.10518352	17.82270616	3015	80.05982586	17.84026993
2591	80.09921875	17.87265395	2676	80.09701561	17.85336910	2761	80.10506848	17.82216863	2846	80.05970965	17.84060803	2931	80.10506848	17.82216863	3016	80.05970965	17.84060803
2592	80.09932035	17.87211021	2677	80.09695505	17.85313289	2762	80.10507854	17.82177808	2847	80.05957884	17.84097216	2932	80.10507854	17.82177808	3017	80.05957884	17.84097216
2593	80.09938217	17.87167570	2678	80.09688641	17.85280376	2763	80.10511323	17.82148529	2848	80.06034313	17.83868488	2933	80.10511323	17.82148529	3018	80.06034313	17.83868488
2594	80.09956590	17.87053083	2679	80.09678416	17.85237699	2764	80.10516569	17.82089411	2849	80.06050168	17.83800235	2934	80.10516569	17.82089411	3019	80.06050168	17.83800235
2595	80.09946078	17.87119421	2680	80.09660082	17.85161246	2765	80.10514081	17.82063296	2850	80.06065246	17.83731814	2935	80.10514081	17.82063296	3020	80.06065246	17.83731814
2596	80.09961796	17.87017459	2681	80.09651324	17.85125022	2766	80.09361432	17.84595682	2851	80.06095659	17.83716997	2936	80.09361432	17.84595682	3021	80.06095659	17.83716997
2597	80.09967746	17.86794613	2682	80.09640882	17.85082065	2767	80.09319640	17.84593322	2852	80.06132651	17.83698976	2937	80.09319640	17.84593322	3022	80.06132651	17.83698976
2598	80.09970689	17.86850157	2683	80.09622414	17.85003868	2768	80.09271058	17.84592416	2853	80.06017477	17.83948580	2938	80.09271058	17.84592416	3023	80.06017477	17.83948580
2599	80.09966396	17.86777645	2684	80.09603944	17.84934156	2769	80.09199781	17.84590046	2854	80.06004029	17.83929218	2939	80.09199781	17.84590046	3024	80.06004029	17.83929218
2600	80.09954910	17.86715267	2685	80.09595906	17.84902724	2770	80.09165464	17.84586420	2855	80.06007155	17.83812835	2940	80.09165464	17.84586420	3025	80.06007155	17.83812835
2601	80.09937712	17.86681288	2686	80.09560107	17.84651719	2771	80.09138576	17.84583456	2856	80.06007502	17.83850900	2941	80.09138576	17.84583456	3026	80.06007502	17.83850900
2602	80.09889364	17.86642853	2687	80.09562827	17.84688846	2772	80.09095346	17.84566138	2857	80.06005750	17.83882385	2942	80.09095346	17.84566138	3027	80.06005750	17.83882385
2603	80.09948762	17.86686042	2688	80.09567061	17.84727291	2773	80.09076474	17.84557288	2858	80.06003834	17.83911631	2943	80.09076474	17.84557288	3028	80.06003834	17.83911631
2604	80.09953683	17.86658549	2689	80.09571982	17.84769300	2774	80.09032341	17.84554024	2859	80.05911755	17.83753069	2944	80				



MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT
FOR TELANGANA DRINKING WATER SUPPLY PROJECT.
(KOTHAGUDA SEGMENT 17/3, SET-13) WARANGAL DISTRICT(WLM)

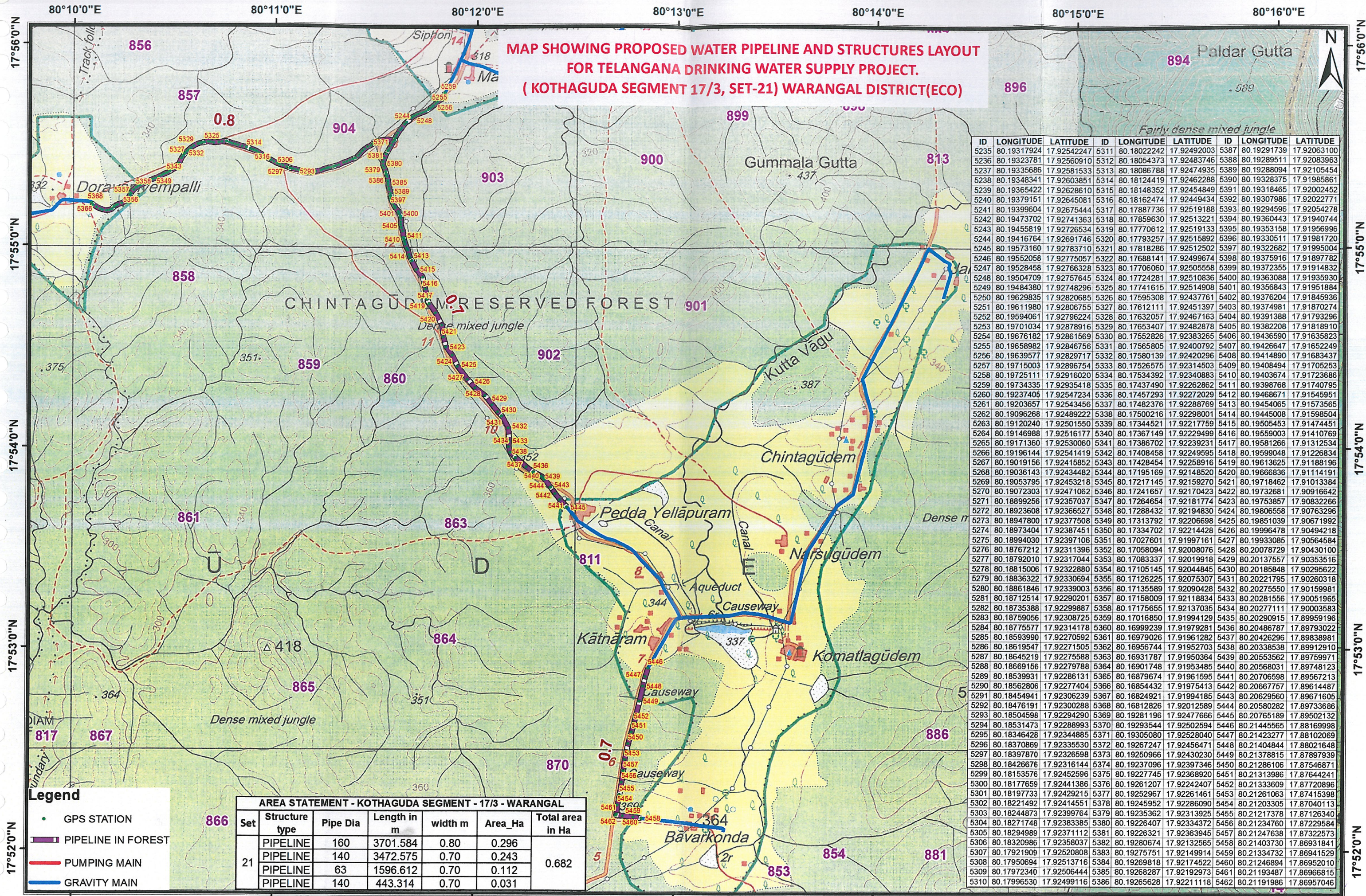
Legend

- GPS STATION
- PIPELINE IN FOREST
- PUMPING MAIN
- GRAVITY MAIN

AREA STATEMENT - KOTHAGUDA SEGMENT - 17/3 - WARANGAL						
Set	Structure type	Pipe Dia	Length in m	width m	Area_Ha	Total area in Ha
13	PIPELINE	160	1807.364	0.80	0.145	0.648
	PIPELINE	160	6291.648	0.80	0.503	

ID	LONGITUDE	LATITUDE	ID	LONGITUDE	LATITUDE	ID	LONGITUDE	LATITUDE
3213	80.10658257	17.90263192	3305	80.12723225	17.90970526	3397	80.10234869	17.90308645
3214	80.10528797	17.90305883	3306	80.12729437	17.90988998	3398	80.10204570	17.90318171
3215	80.10635103	17.90278082	3307	80.12753836	17.91029669	3399	80.10172813	17.90324199
3216	80.10557246	17.90302659	3308	80.12735210	17.91009659	3400	80.12753836	17.91029669
3217	80.10608140	17.90289203	3309	80.12741589	17.91016162	3401	80.12753836	17.91029669
3218	80.10586108	17.90295830	3310	80.12749870	17.91024593	3402	80.12766043	17.91066818
3219	80.10682869	17.90243399	3311	80.12756898	17.91040207	3403	80.12766043	17.91066818
3220	80.10697044	17.90228243	3312	80.12759464	17.91056633	3404	80.12797867	17.91315236
3221	80.10722445	17.90205238	3313	80.12766043	17.91066818	3405	80.12797867	17.91315236
3222	80.10743908	17.90189230	3314	80.12753836	17.91029668	3406	80.12813902	17.91354467
3223	80.10908744	17.90059524	3315	80.12775669	17.91101037	3407	80.12813902	17.91354467
3224	80.10772093	17.90167918	3316	80.12770423	17.91075022	3408	80.12855108	17.91454373
3225	80.10882703	17.90079645	3317	80.12774559	17.91085965	3409	80.12855108	17.91454373
3226	80.10793416	17.90150521	3318	80.12778266	17.91119216	3410	80.12953540	17.91729080
3227	80.10858991	17.90098151	3319	80.12779897	17.91149361	3411	80.12953540	17.91729080
3228	80.10818340	17.90129850	3320	80.12780240	17.91185136	3412	80.12753836	17.91029669
3229	80.10832953	17.90119261	3321	80.12781379	17.91202657	3413	80.12753836	17.91029669
3230	80.10841050	17.90112804	3322	80.12789975	17.91228303	3414	80.12766043	17.91066818
3231	80.10924263	17.90047015	3323	80.12787746	17.91245454	3415	80.12766043	17.91066818
3232	80.10950410	17.90035580	3324	80.12792226	17.91268720	3416	80.12797867	17.91315236
3233	80.10959984	17.90032775	3325	80.12797867	17.91315236	3417	80.12797867	17.91315236
3234	80.10984935	17.90026304	3326	80.12795927	17.91286140	3418	80.12813902	17.91354467
3235	80.11010167	17.90022355	3327	80.12796015	17.91309170	3419	80.12813902	17.91354467
3236	80.11040551	17.90018254	3328	80.12802601	17.91328469	3420	80.12855108	17.91454373
3237	80.11184777	17.90001542	3329	80.12804601	17.91338034	3421	80.12855108	17.91454373
3238	80.11069576	17.90015613	3330	80.12813902	17.91354467	3422	80.12953540	17.91729080
3239	80.11101955	17.90011660	3331	80.12797868	17.91315236	3423	80.12953540	17.91729080
3240	80.11160577	17.90004065	3332	80.12811753	17.91348922	3424	80.13854304	17.92208533
3241	80.11209826	17.89996283	3333	80.12819681	17.91367245	3425	80.13823732	17.92227713
3242	80.11237307	17.89997670	3334	80.12813903	17.91354467	3426	80.13788855	17.92243238
3243	80.11268862	17.90000306	3335	80.12824855	17.91371722	3427	80.13752956	17.92261470
3244	80.11297348	17.90000535	3336	80.12828805	17.91380225	3428	80.13879325	17.92187303
3245	80.11324901	17.90022000	3337	80.12839678	17.91394010	3429	80.13898073	17.92165096
3246	80.11345208	17.90044726	3338	80.12842129	17.91405203	3430	80.13919219	17.92142846
3247	80.11368097	17.90061043	3339	80.12841984	17.91418966	3431	80.13935456	17.92121951
3248	80.11404895	17.90067051	3340	80.12838897	17.91433008	3432	80.13958847	17.92101993
3249	80.11434243	17.90067568	3341	80.12843182	17.91441492	3433	80.14000067	17.92063449
3250	80.11464668	17.90070222	3342	80.12851646	17.91444949	3434	80.14010203	17.92047818
3251	80.11486575	17.90078145	3343	80.12855108	17.91454373	3435	80.14034501	17.92030538
3252	80.11510597	17.90092215	3344	80.12853018	17.91455278	3436	80.14057835	17.92016531
3253	80.11528620	17.90106025	3345	80.12857310	17.91466679	3437	80.14074436	17.92003061
3254	80.11543822	17.90125934	3346	80.12855108	17.91454373	3438	80.14095933	17.91885997
3255	80.11556101	17.90157318	3347	80.12862213	17.91480125	3439	80.14120822	17.91968468
3256	80.11567976	17.90183914	3348	80.12867724	17.91490500	3440	80.14138018	17.91958418
3257	80.11578951	17.90209613	3349	80.12887643	17.91518891	3441	80.14154800	17.91946974
3258	80.11610003	17.90291941	3350	80.12888217	17.91529042	3442	80.14184135	17.91927662
3259	80.11792466	17.90418251	3351	80.12886475	17.91549946	3443	80.14205407	17.91916850
3260	80.11822450	17.90424729	3352	80.12899465	17.91585636	3444	80.14293016	17.91928551
3261	80.11840984	17.90425143	3353	80.12905669	17.91576610	3445	80.14301603	17.91930380
3262	80.11873100	17.90429647	3354	80.12906921	17.91604846	3446	80.14330053	17.91921307
3263	80.11888440	17.90432088	3355	80.12911550	17.91624117	3447	80.14353268	17.91908058
3264	80.11986437	17.90411264	3356	80.12921597	17.91652132	3448	80.14372597	17.91895207
3265	80.12028190	17.90390592	3357	80.12941025	17.91696115	3449	80.14375577	17.91874645
3266	80.12002382	17.90396335	3358	80.12953540	17.91729080	3450	80.1476875	17.91772129
3267	80.12060334	17.90380420	3359	80.12953542	17.91729084	3451	80.14404587	17.91829926
3268	80.12088470	17.90369649	3360	80.12977579	17.91781632	3452	80.14426510	17.91818677
3269	80.12115990	17.90363855	3361	80.12991623	17.91819901	3453	80.14451328	17.91812630
3270	80.12134127	17.90360029	3362	80.12998751	17.91855016	3454	80.14523249	17.91816909
3271	80.12161105	17.90355924	3363	80.13004345	17.91880890	3455	80.14492463	17.91817716
3272	80.12186824	17.90353360	3364	80.13079164	17.92015464	3456	80.14578677	17.91789484
3273	80.12208087	17.90352896	3365	80.13069159	17.91993187	3457	80.14819954	17.91779281
3274	80.12238384	17.90354680	3366	80.13059731	17.91973334	3458	80.14852643	17.91777034
3275	80.12287126	17.90369502	3367	80.13044020	17.91949335	3459	80.14746875	17.91772129
3276	80.12270927	17.90362636	3368	80.13023083	17.91918001	3460	80.14798071	17.91769507
3277	80.12330584	17.90384283	3369	80.13012485	17.91902617	3461	80.14871530	17.91766284
3278	80.12314357	17.90379356	3370	80.13113825	17.92090260	3462	80.14910493	17.91760199
3279	80.12350102	17.90390816	3371	80.13102801	17.92071133	3463	80.14959439	17.91740981
3280	80.12348582	17.90389861	3372	80.13090422	17.92043553	3464	80.14994113	17.91732116
3281	80.12368494	17.90398688	3373	80.13144494	17.92116672	3465	80.15018462	17.91727005
3282	80.12402334	17.90417503	3374	80.13177544	17.92133067	3466	80.15089590	17.91687725
3283	80.12417387	17.90424676	3375	80.13207766	17.92149836	3467	80.15135968	17.91689009
3284	80.12437017	17.90438708	3376	80.13242095	17.92161060	3468	80.15186822	17.916850942
3285	80.12449916	17.90453121	3377	80.13279346	17.92176842	3469	80.15254191	17.916834770
3286	80.12462576	17.90468763	3378	80.13309449	17.92183930	3470	80.15268651	17.91683068
3287	80.12482656	17.90490417	3379	80.13348771	17.92194127	3471	80.15302600	17.91623321
3288	80.12498577	17.90513470	3380	80.13384091	17.92210763	3472	80.15326907	17.91609885
3289	80.12525193	17.90555252	3381	80.13415677	17.92227238	3473	80.15309157	17.91622498
3290	80.12539298	17.90578869	3382	80.13450249	17.92247476	3474	80.15420278	17.91574608
3291	80.12549133	17.90598528	3383	80.13490371	17.92267037	3475	80.15445645	17.91577091
3292	80.12585586	17.90660358	3384	80.13523864	17.92272135	3476	80.15490581	17.91596733
3293	80.12573747	17.90641330	3385	80.13568435	17.92282135	3477	80.15517634	17.91604666
3294	80.12601851	17.90700368	3386	80.13605962	17.92287608	3478	80.15584703	17.91616429
3295	80.12602049	17.90702121	3387	80.13648802	17.92301889	3479	80.15614278	17.91623343
3296	80.12609899	17.90724162	3388	80.13683781	17.92306088	3480	80.15723376	17.91664524
3297	80.12620163	17.90750852	3389	80.13728800	17.92291622	3481	80.15749607	17.91685550
3298	80.12630864	17.90775003	3390	80.10472089	17.90299273	3482	80.15777731	17.91699540
3299	80.12641690	17.90798602	3391	80.10446308	17.90296072	3483	80.15818794	17.91715536
3300	80.12657171	17.90826321	3392	80.10404739	17.90298031	3484	80.15882645	17.91738844
3301	80.12677033	17.90857893	3393	80.10360155	17.90300398	3485	80.15997921	17.91779161
3302	80.12685858	17.90876431	3394	80.10312686	17.90302514	3486	80.16021876	17.91792169
3303	80.12707298	17.90924484	3395	80.10291580	17.90300608			
3304	80.12717946	17.90945745	3396	80.10259816	17.90302506			

Geographic Coordinate System and WGS-84 Datum



MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT
FOR TELANGANA DRINKING WATER SUPPLY PROJECT.
(KOTHAGUDA SEGMENT 17/3, SET-21) WARANGAL DISTRICT(ECO)

Legend

- GPS STATION
- PIPELINE IN FOREST
- PUMPING MAIN
- GRAVITY MAIN

AREA STATEMENT - KOTHAGUDA SEGMENT - 17/3 - WARANGAL						
Set	Structure type	Pipe Dia	Length in m	width m	Area_Ha	Total area in Ha
21	PIPELINE	160	3701.584	0.80	0.296	0.682
	PIPELINE	140	3472.575	0.70	0.243	
	PIPELINE	63	1596.612	0.70	0.112	
	PIPELINE	140	443.314	0.70	0.031	

ID	LONGITUDE	LATITUDE	ID	LONGITUDE	LATITUDE	ID	LONGITUDE	LATITUDE
5235	80.19317924	17.92542247	5311	80.18022242	17.92492003	5387	80.19291739	17.92063100
5236	80.19323781	17.92560910	5312	80.18054373	17.92483746	5388	80.19289511	17.92083963
5237	80.19335686	17.92581533	5313	80.18086788	17.92474935	5389	80.19288094	17.92105454
5238	80.19348341	17.92603851	5314	80.18124419	17.92462288	5390	80.19328375	17.91985861
5239	80.19365422	17.92628610	5315	80.18148352	17.92454849	5391	80.19318465	17.92002452
5240	80.19379151	17.92645081	5316	80.18162474	17.92449434	5392	80.19307986	17.92022771
5241	80.19399604	17.92675444	5317	80.17887736	17.92519188	5393	80.19294596	17.92054278
5242	80.19473702	17.92741363	5318	80.17859630	17.92513221	5394	80.19360443	17.91940744
5243	80.19455819	17.92726534	5319	80.17770612	17.92519133	5395	80.19353158	17.91956996
5244	80.19416764	17.92691746	5320	80.17793257	17.92515892	5396	80.19330511	17.91981720
5245	80.19573160	17.92783710	5321	80.17818286	17.92512502	5397	80.19322682	17.91995004
5246	80.19552058	17.92775057	5322	80.17688141	17.92499674	5398	80.19375916	17.91897782
5247	80.19528458	17.92766328	5323	80.17706060	17.92505558	5399	80.19372355	17.91914832
5248	80.19504709	17.92757645	5324	80.17724281	17.92510836	5400	80.19363088	17.91935930
5249	80.19484380	17.92748296	5325	80.17741615	17.92514908	5401	80.19356843	17.91951884
5250	80.19629835	17.92820685	5326	80.17595308	17.92437761	5402	80.19376204	17.91845936
5251	80.19611980	17.92806755	5327	80.17612111	17.92451397	5403	80.19374981	17.91870274
5252	80.19594061	17.92796224	5328	80.17632057	17.92467163	5404	80.19391388	17.91793296
5253	80.19701034	17.92878916	5329	80.17653407	17.92482878	5405	80.19382208	17.91818910
5254	80.19676182	17.92861569	5330	80.17552826	17.92383265	5406	80.19436590	17.91635823
5255	80.19658982	17.92846756	5331	80.17565805	17.92400792	5407	80.19426647	17.91652249
5256	80.19639577	17.92829717	5332	80.17580139	17.92420296	5408	80.19414890	17.91683437
5257	80.19715003	17.92896754	5333	80.17526575	17.92314503	5409	80.19408494	17.91705253
5258	80.19725111	17.92916020	5334	80.17534392	17.92340883	5410	80.19403674	17.91723686
5259	80.19734335	17.92935418	5335	80.17437490	17.92262862	5411	80.19398768	17.91740795
5260	80.19237405	17.92547234	5336	80.17457293	17.92272029	5412	80.19468671	17.91545951
5261	80.19203657	17.92543456	5337	80.17482376	17.92288769	5413	80.19454065	17.91573565
5262	80.19096268	17.92489222	5338	80.17500216	17.92298001	5414	80.19445008	17.91598504
5263	80.19120240	17.92501550	5339	80.17344521	17.92217759	5415	80.19505453	17.91474451
5264	80.19146988	17.92516177	5340	80.17367149	17.92229499	5416	80.19559003	17.91410769
5265	80.19171360	17.92530060	5341	80.17386702	17.92239231	5417	80.19581266	17.91312534
5266	80.19196144	17.92541419	5342	80.17408458	17.92249595	5418	80.19599048	17.91226834
5267	80.19019156	17.92415852	5343	80.17428454	17.92258916	5419	80.19613625	17.91188196
5268	80.19036143	17.92434482	5344	80.17195169	17.92148520	5420	80.19666836	17.91114191
5269	80.19053795	17.92453218	5345	80.17217145	17.92159270	5421	80.19718462	17.91013384
5270	80.19072303	17.92471062	5346	80.17241657	17.92170423	5422	80.19732681	17.90916642
5271	80.18899256	17.92357037	5347	80.17264654	17.92181774	5423	80.19753857	17.90832266
5272	80.18923608	17.92366527	5348	80.17288432	17.92194830	5424	80.19806558	17.90763296
5273	80.18947800	17.92377508	5349	80.17313792	17.92206698	5425	80.19851039	17.90671992
5274	80.18973404	17.92387451	5350	80.17334702	17.92214428	5426	80.19996478	17.90494218
5275	80.18994030	17.92397106	5351	80.17027601	17.91997161	5427	80.19933085	17.90564584
5276	80.18767212	17.92311396	5352	80.17058094	17.92008076	5428	80.20078729	17.90430100
5277	80.18792010	17.92317044	5353	80.17083337	17.92019918	5429	80.20137557	17.90353516
5278	80.18815006	17.92322880	5354	80.17105145	17.92044845	5430	80.20185848	17.90295622
5279	80.18836322	17.92330694	5355	80.17126225	17.92075307	5431	80.20221795	17.90260318
5280	80.18861846	17.92339003	5356	80.17135589	17.92090428	5432	80.20275550	17.90159981
5281	80.18712514	17.92290201	5357	80.17158009	17.92118834	5433	80.20281556	17.90051965
5282	80.18735388	17.92299887	5358	80.17175655	17.92137035	5434	80.20277111	17.90003583
5283	80.18759056	17.92308725	5359	80.17016850	17.91994129	5435	80.20290915	17.89959196
5284	80.18775577	17.92314178	5360	80.16999239	17.91979281	5436	80.20486787	17.89793022
5285	80.18593990	17.92270592	5361	80.16979026	17.91961282	5437	80.20426296	17.89838981
5286	80.18619547	17.92271505	5362	80.16956744	17.91952703	5438	80.20338538	17.89912910
5287	80.18645219	17.92275588	5363	80.16931787	17.91950364	5439	80.20553562	17.89759971
5288	80.18669156	17.92279788	5364	80.16901748	17.91953485	5440	80.20568031	17.89748123
5289	80.18539931	17.92286131	5365	80.16879674	17.91961595	5441	80.20706598	17.89567213
5290	80.18562806	17.92277404	5366	80.16854432	17.91975413	5442	80.20667757	17.89614487
5291	80.18454941	17.92306239	5367	80.16824921	17.91994185	5443	80.20629560	17.89671605
5292	80.18476191	17.92300288	5368	80.16812826	17.92012589	5444	80.20580282	17.89733686
5293	80.18504598	17.92294290	5369	80.19281196	17.92477666	5445	80.20765189	17.89502132
5294	80.18531473	17.92288993	5370	80.19293540	17.92502594	5446	80.21445565	17.88169998
5295	80.18346428	17.92344885	5371	80.19305088	17.92528040	5447	80.21423277	17.88102069
5296	80.18370869	17.92335530	5372	80.19267247	17.92456471	5448	80.21404844	17.88021648
5297	80.18397870	17.92326598	5373	80.19250966	17.92430230	5449	80.21378815	17.87897939
5298	80.18426676	17.92316144	5374	80.19237096	17.92397346	5450	80.21286106	17.87546871
5299	80.18153576	17.92452596	5375	80.19227745	17.92368920	5451	80.21313986	17.87644241
5300	80.18177659	17.92441386	5376	80.19261207	17.92242407	5452	80.21333609	17.87720896
5301	80.18197733	17.92429215	5377	80.19252967	17.92261461	5453	80.21261063	17.87415398
5302	80.18221492	17.92414551	5378	80.19245952	17.92286090	5454	80.21203305	17.87404013
5303	80.18244873	17.92399764	5379	80.19235362	17.92313925	5455	80.21217378	17.87126340
5304	80.18271748	17.92383385	5380	80.19226407	17.92334372	5456	80.21234760	17.87229584
5305	80.18294989	17.92371112	5381	80.19226321	17.92363945	5457	80.21247638	17.87322573
5306	80.18320986	17.92358037	5382	80.19280674	17.92132565	5458	80.21403730	17.86931841
5307	80.17921909	17.92520808	5383	80.19275751	17.92149914	5459	80.21334732	17.86941529
5308	80.17950694	17.92513716	5384	80.19269818	17.92174522	5460	80.21246894	17.86952010
5309	80.17972340	17.92506444	5385	80.19268287	17.92192973	5461	80.21193487	17.86966815
5310	80.17996530	17.92499116	5386	80.19265628	17.92211118	5462	80.21191986	17.86957046