

ID	LONGITUDE	LATITUDE	ID	LONGITUDE	LATITUDE	ID	LONGITUDE	LATITUDE	ID	LONGITUDE	LATITUDE
1	79.743596144	16.66471062	66	79.74588948	16.64578585	131	79.71252910	16.65466999	197	79.74261337	16.64249011
2	79.74399692	16.66463536	67	79.74501407	16.64514873	132	79.71271652	16.65452265	198	79.74272186	16.64226801
3	79.74396144	16.66471062	68	79.74455259	16.64463678	133	79.71185799	16.65428030	198	79.74272186	16.64226801
4	79.74399692	16.66463536	69	79.74390189	16.64382167	134	79.71097994	16.65394359	199	79.74180901	16.6422313
5	79.74448396	16.66461655	70	79.74384549	16.64363054	135	79.71097994	16.65394359	200	79.74132086	16.64200981
6	79.74543932	16.66452131	71	79.74341337	16.64322134	136	79.73346690	16.64124196	201	79.74102847	16.64198361
7	79.74640054	16.64445644	72	79.74261337	16.64249013	137	79.75018956	16.66320747	202	79.74015868	16.6417381
8	79.74714315	16.6436895	73	79.74221866	16.64226802	138	79.75047897	16.66310585	203	79.73981911	16.6416349
9	79.74715288	16.6436662	74	79.74221866	16.64226802	139	79.75090730	16.66318563	204	79.73981911	16.6416349
10	79.74756091	16.66436194	75	79.74180901	16.64223137	140	79.75009730	16.66318563	205	79.73929913	16.6415817
11	79.74822712	16.6505982	76	79.74132086	16.64200986	141	79.75100919	16.66326079	206	79.73838937	16.641511
12	79.74346690	16.64124196	77	79.74102847	16.64198361	142	79.75191175	16.66339121	207	79.73749533	16.64143944
13	79.75018956	16.66320747	78	79.74015868	16.64173782	143	79.75247704	16.66333917	208	79.73645570	16.64134551
14	79.75047897	16.66318563	79	79.73981911	16.64163498	144	79.75249760	16.66338896	209	79.73661310	16.64132938
15	79.75090730	16.66318563	80	79.73986136	16.64160778	145	79.75249315	16.66328265	210	79.73651071	16.64137894
16	79.75090730	16.66318563	81	79.73929913	16.64158380	146	79.75251270	16.66328128	211	79.73558222	16.6413049
17	79.75100919	16.66326079	82	79.73838937	16.64151358	147	79.75256508	16.66301744	212	79.73467030	16.64124475
18	79.75191175	16.66339121	83	79.73749533	16.64143944	148	79.75306971	16.66218758	213	79.73384155	16.64119107
19	79.75247704	16.66333917	84	79.73645570	16.64134551	149	79.75329168	16.66189584	214	79.73287883	16.64119627
20	79.75249760	16.66338896	85	79.73661310	16.64132938	150	79.75329168	16.66189584	215	79.73287883	16.64119627
21	79.75249315	16.66328265	86	79.73651071	16.64137894	151	79.75354252	16.66186661	216	79.73260123	16.64116436
22	79.75251270	16.66328128	87	79.73558222	16.64130492	152	79.75388786	16.66063879	217	79.73214346	16.64138176
23	79.75265098	16.66301744	88	79.73467030	16.64124475	153	79.75425581	16.65971983	218	79.731712860	16.64177991
24	79.75306971	16.66218758	89	79.73384155	16.64119107	154	79.75481278	16.65908013	219	79.73049774	16.64202475
25	79.75329168	16.66189584	90	79.73287883	16.64119627	155	79.75511992	16.65817247	220	79.73049774	

MANTHANI SEGMENT - 15 /7- KARIMNAGAR							
Set	Structure type	Pipe Dia	width in m	Length in m	Area Ha	Total area in Ha	REMARKS
1	PIPELINE	250	0.900	5815.213	0.523	0.758	WLM
	PIPELINE	110	0.700	2905.327	0.203		
	PIPELINE	250	1.400	4.677	0.001		
	BPT	-	-	-	0.031		

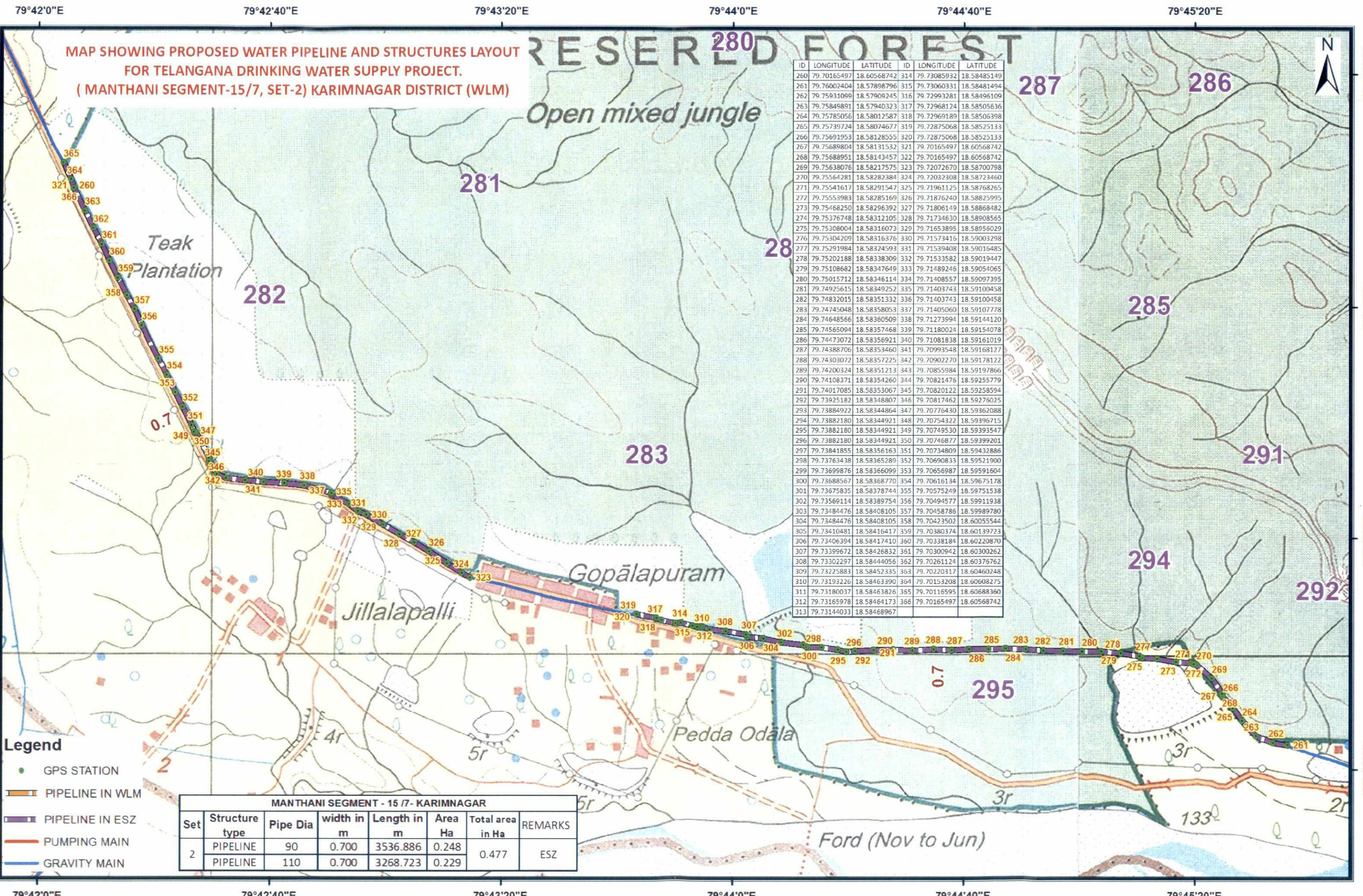
-  GPS STATION
-  PIPELINE IN WLM
-  PIPELINE IN ESZ
-  PUMPING MAIN
-  GRAVITY MAIN

Superintending Engineer,
TDWSP., Circle Karimnagar.



Counter S **79°45'20"E**

Chief Engineer
VSP (RWS&S), Hyderabad.



MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT
FOR TELANGANA DRINKING WATER SUPPLY PROJECT.
(MANTHANI SEGMENT-15/7, SET-2) KARIMNAGAR DISTRICT (WLM)

RESERVED FOREST
Open mixed jungle

MANTHANI SEGMENT - 15/7 - KARIMNAGAR							
Set	Structure type	Pipe Dia	width in m	Length in m	Area Ha	Total area in Ha	REMARKS
2	PIPELINE	90	0.700	3536.886	0.248	0.477	ESZ
	PIPELINE	110	0.700	3268.723	0.229		

ID	LONGITUDE	LATITUDE	ID	LONGITUDE	LATITUDE
260	79.70165497	18.60568742	314	79.73085932	18.58485149
261	79.76002404	18.57898796	315	79.73060331	18.58481494
262	79.75931099	18.57909245	316	79.72993281	18.58496109
263	79.75849891	18.57940323	317	79.72968124	18.58505636
264	79.75785056	18.58012587	318	79.72969189	18.58506398
265	79.75739724	18.58074677	319	79.72875068	18.58525133
266	79.75691953	18.58128555	320	79.72875068	18.58525133
267	79.75689804	18.58131532	321	79.70165497	18.60568742
268	79.75688951	18.58143457	322	79.70165497	18.60568742
269	79.75638076	18.58217575	323	79.72072670	18.58700798
270	79.75564281	18.58282384	324	79.72032308	18.58723460
271	79.75541617	18.58291547	325	79.71961125	18.58768265
272	79.75553983	18.58285169	326	79.71876240	18.58825995
273	79.75468250	18.58296392	327	79.71806149	18.58868482
274	79.75376748	18.58312105	328	79.71734630	18.58908565
275	79.75308004	18.58316073	329	79.71653895	18.58956029
276	79.75304209	18.58316376	330	79.71573416	18.59003298
277	79.75291984	18.58324593	331	79.71539408	18.59016485
278	79.75202188	18.58338309	332	79.71533582	18.59019447
279	79.75108682	18.58347649	333	79.71489246	18.59054065
280	79.75015712	18.58346114	334	79.71408557	18.59097395
281	79.74925615	18.58349252	335	79.71403743	18.59100458
282	79.74832015	18.58351332	336	79.71403743	18.59100458
283	79.74745048	18.58358053	337	79.71405060	18.59107778
284	79.74648566	18.58360509	338	79.71273994	18.59144120
285	79.74565094	18.58357468	339	79.71180024	18.59154078
286	79.74473072	18.58356921	340	79.71081838	18.59161019
287	79.74388706	18.58353460	341	79.70993548	18.59168127
288	79.74303072	18.58357225	342	79.70902270	18.59178122
289	79.74200324	18.58351213	343	79.70855984	18.59197866
290	79.74108371	18.58354260	344	79.70821476	18.59255779
291	79.74017085	18.58353067	345	79.70820122	18.59258594
292	79.73925182	18.58348807	346	79.70817462	18.59276025
293	79.73884922	18.58344864	347	79.70776430	18.59362088
294	79.73882180	18.58344921	348	79.70754322	18.59396715
295	79.73882180	18.58344921	349	79.70749530	18.59393547
296	79.73882180	18.58344921	350	79.70746877	18.59399201
297	79.73841855	18.58356163	351	79.70734809	18.59432886
298	79.73763438	18.58365289	352	79.70690833	18.59521900
299	79.73699876	18.58366099	353	79.70656987	18.59591604
300	79.73688567	18.58368770	354	79.70616134	18.59675178
301	79.73675835	18.58378744	355	79.70575249	18.59751538
302	79.73569114	18.58389754	356	79.70494577	18.59911938
303	79.73484476	18.58408105	357	79.70458786	18.59989780
304	79.73484476	18.58408105	358	79.70423502	18.60055544
305	79.73410481	18.58416417	359	79.70380374	18.60139723
306	79.73406394	18.58417410	360	79.70338184	18.60220870
307	79.73399672	18.58426832	361	79.70300942	18.60300262
308	79.73302297	18.58444056	362	79.70261124	18.60376762
309	79.73225883	18.58452335	363	79.70220317	18.60460248
310	79.73193226	18.58463390	364	79.70153208	18.60608275
311	79.73180037	18.58463826	365	79.70116595	18.60688360
312	79.73165978	18.58464173	366	79.70165497	18.60568742
313	79.73144033	18.58468967			

Geographic Coordinate System and WGS-84 Datum



Superintending Engineer,
TDWSP., Circle Karimnagar.

Counter Signed
Chief Engineer
TDWSP (RWS&S), Hyderabad.

MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT
FOR TELANGANA DRINKING WATER SUPPLY PROJECT.
(MANTHANI SEGMENT-15/7, SET-3) KARIMNAGAR DISTRICT

ID	LONGITUDE	LATITUDE	ID	LONGITUDE	LATITUDE
367	79.80339751	18.57168813	409	79.81645814	18.59446885
368	79.80332460	18.57175623	410	79.81689722	18.59521021
369	79.80325612	18.57232381	411	79.81737802	18.59588416
370	79.80306666	18.57304797	412	79.81754810	18.59623263
371	79.80306095	18.57309871	413	79.81763319	18.59673705
372	79.80302737	18.57402279	414	79.81783072	18.59764418
373	79.80286651	18.57500286	415	79.81801561	18.59800928
374	79.80286651	18.57500286	416	79.81821989	18.59832823
375	79.80275960	18.57585483	417	79.81876576	18.59910942
376	79.80267445	18.57646656	418	79.81930104	18.59997279
377	79.80260365	18.57714099	419	79.81946528	18.60013936
378	79.80255286	18.57730327	420	79.81977156	18.60052100
379	79.80266949	18.57758293	421	79.82048239	18.60107164
380	79.80296649	18.57785534	422	79.82178318	18.60259914
381	79.80365022	18.57855760	423	79.82180091	18.60261215
382	79.80427844	18.57929208	424	79.82165571	18.60253508
383	79.80428799	18.57938777	425	79.82126072	18.60197015
384	79.80484970	18.57984734	426	79.82096757	18.60151660
385	79.80538182	18.58043500	427	79.82049357	18.60143885
386	79.80609776	18.58123248	428	79.81998722	18.60172911
387	79.80621866	18.58149374	429	79.81972044	18.60191368
388	79.80642865	18.58204064	430	79.81898191	18.60241627
389	79.80665415	18.58276424	431	79.81869405	18.60255748
390	79.80696149	18.58382863	432	79.81800363	18.60306940
391	79.80712495	18.58443623	433	79.81729055	18.60357889
392	79.80730732	18.58499529	434	79.81711323	18.60359491
393	79.80753605	18.58515224	435	79.81704390	18.60364153
394	79.80823727	18.58564853	436	79.81541099	18.60487488
395	79.80904104	18.58621427	437	79.81490817	18.60521456
396	79.80985950	18.58680512	438	79.81374713	18.60596806
397	79.81063900	18.58733712	439	79.81336937	18.60619049
398	79.81131630	18.58780873	440	79.81331678	18.60620668
399	79.81198579	18.58828026	441	79.81329812	18.60622466
400	79.81240407	18.58860129	442	79.81329451	18.60622868
401	79.81267331	18.58884245	443	79.81328415	18.60634094
402	79.81276256	18.58897761	444	79.81331620	18.60663296
403	79.81361642	18.59025622	445	79.81354587	18.60726147
404	79.81419982	18.59108917	446	79.81376982	18.60777016
405	79.81462426	18.59174122	447	79.81377922	18.60827151
406	79.81514002	18.59252292	448	79.81373206	18.60867987
407	79.81553735	18.59311711	449	79.81366425	18.60959275
408	79.81599037	18.59377669			

Legend

- GPS STATION
- PIPELINE IN WLM
- PIPELINE IN ESZ
- PUMPING MAIN
- GRAVITY MAIN

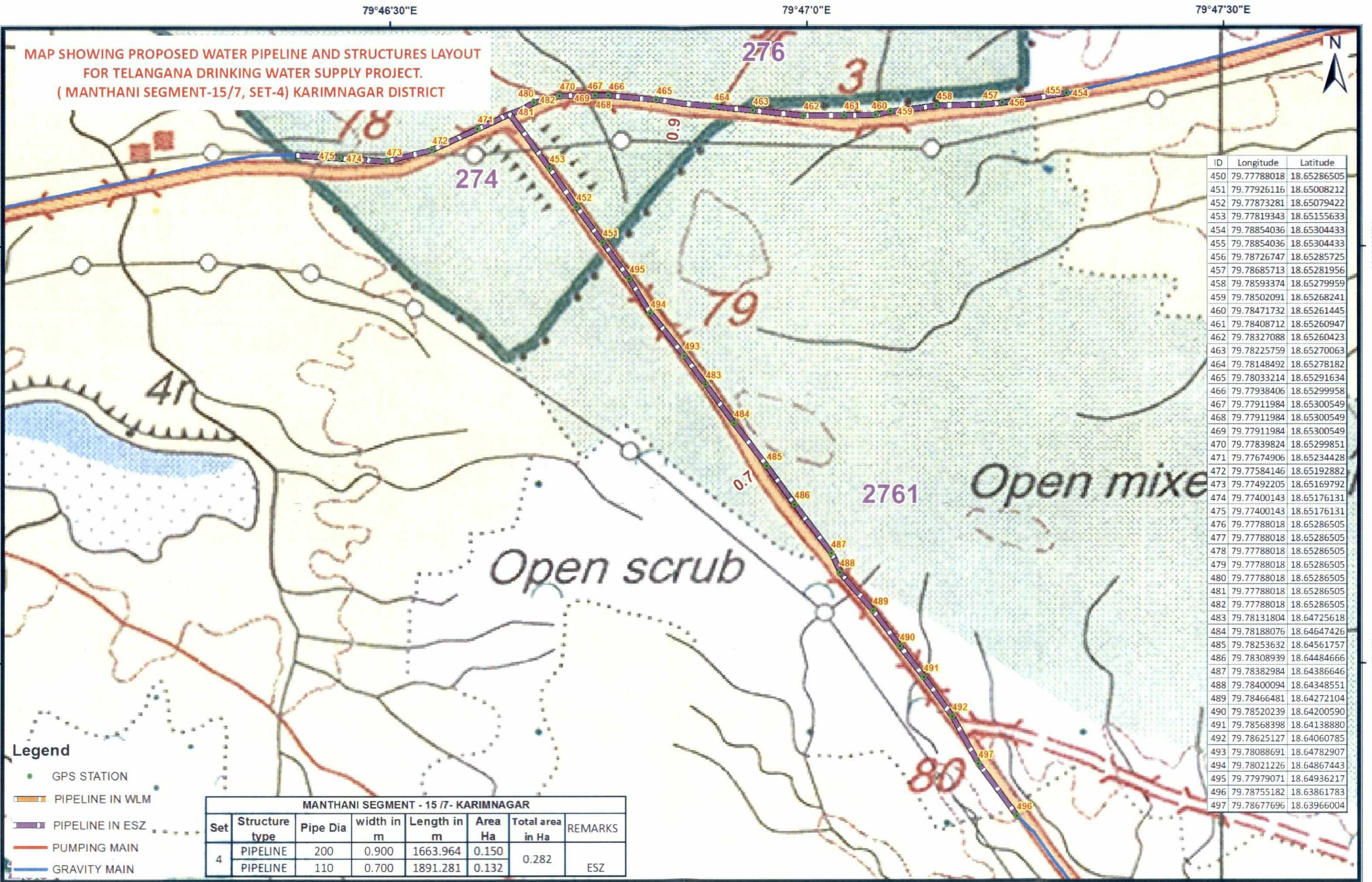
MANTHANI SEGMENT - 15/7- KARIMNAGAR							
Set	Structure type	Pipe Dia	width in m	Length in m	Area Ha	Total area in Ha	REMARKS
3	PIPELINE	250	2.000	3997.323	0.799	0.976	ESZ
	PIPELINE	90	0.700	1514.957	0.106		
	OHBR	-	-	-	0.071		

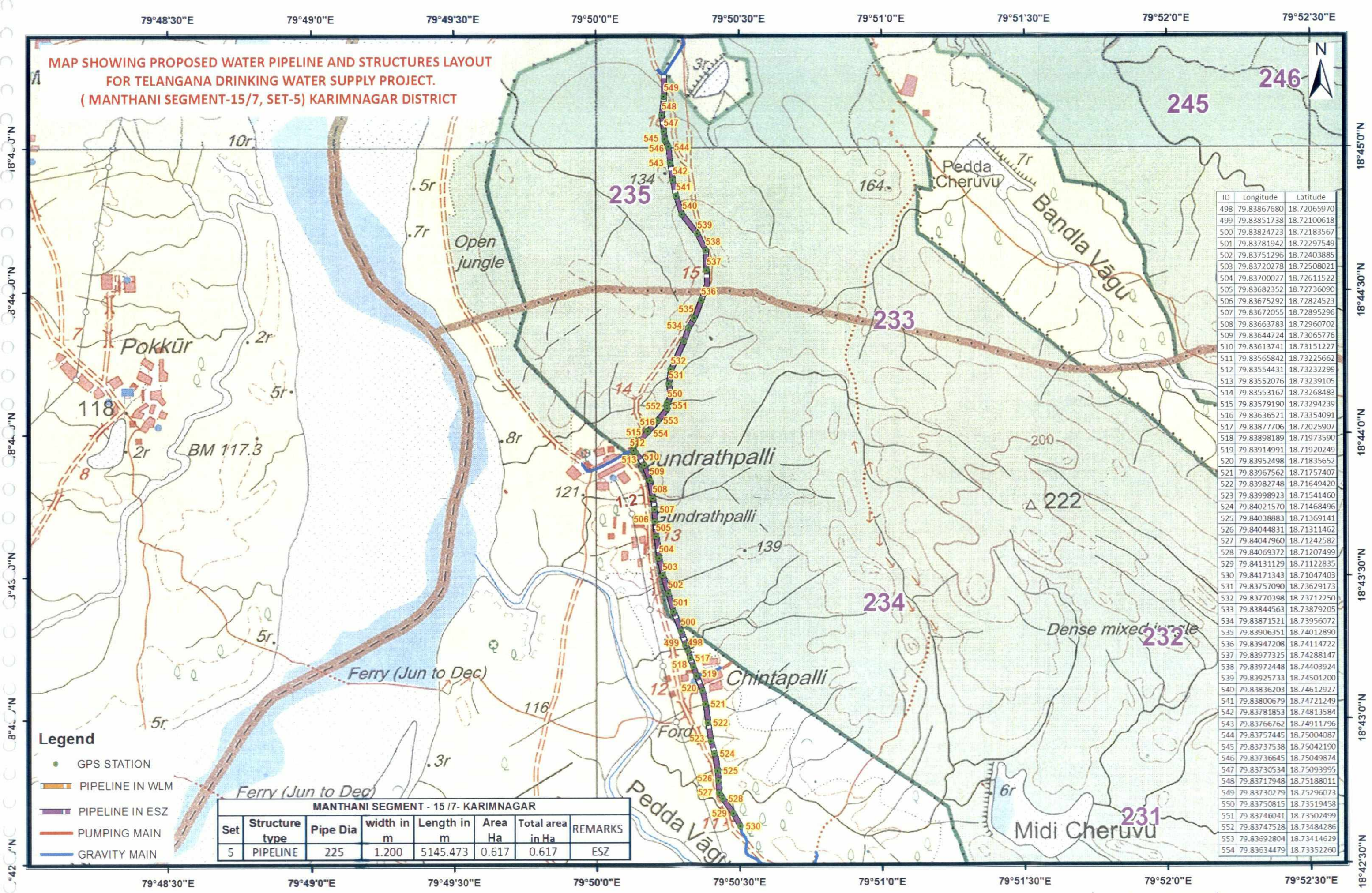
Geographic Coordinate System and WGS-84 Datum

0 0.225 0.45 0.9 1.35 1.8 KM

Superintending Engineer,
TDWSP., Circle Karimnagar.

Counter Signed
Chief Engineer
TDWSP (RWS&S), Hyderabad.





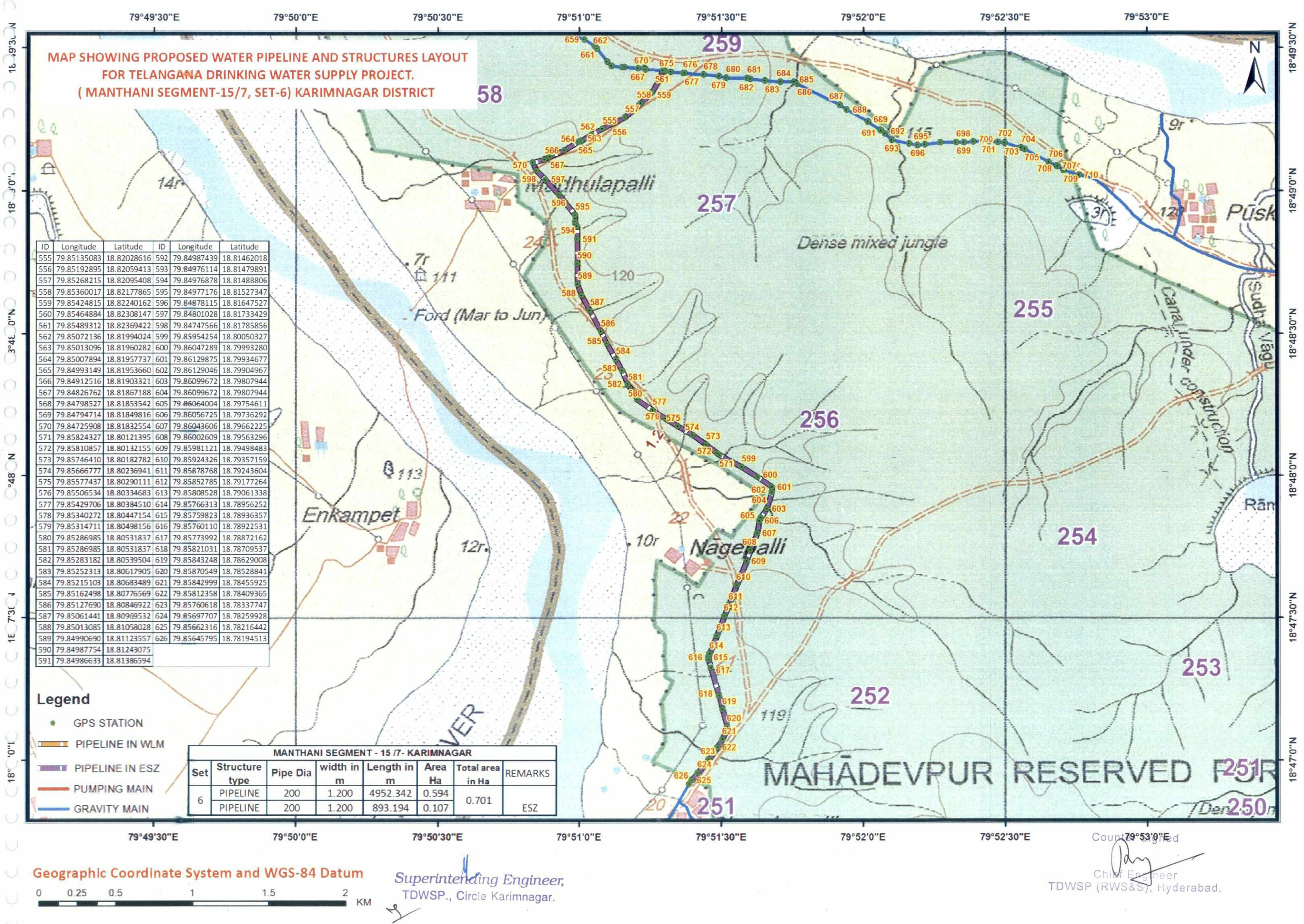
ID	Longitude	Latitude
498	79.83867680	18.72065970
499	79.83851738	18.72100618
500	79.83824723	18.72183567
501	79.83781942	18.72297549
502	79.83751296	18.72403885
503	79.83720278	18.72508021
504	79.83700027	18.72611522
505	79.83682352	18.72736090
506	79.83675292	18.72824523
507	79.83672055	18.72895296
508	79.83663783	18.72960702
509	79.83644724	18.73065776
510	79.83613741	18.73151227
511	79.83565842	18.73225662
512	79.83554431	18.73232299
513	79.83552076	18.73239105
514	79.83553167	18.73268483
515	79.83579190	18.73294239
516	79.83636521	18.73354091
517	79.83877706	18.72025907
518	79.83898189	18.71973590
519	79.83914991	18.71920249
520	79.83952498	18.71835652
521	79.83967562	18.71757407
522	79.83982748	18.71649420
523	79.83998923	18.71541460
524	79.84021570	18.71468496
525	79.84038883	18.71369141
526	79.84044831	18.71311462
527	79.84047960	18.71242582
528	79.84069372	18.71207499
529	79.84131129	18.71122835
530	79.84171343	18.71047403
531	79.83757090	18.73629173
532	79.83770398	18.73712250
533	79.83844563	18.73879205
534	79.83871521	18.73956072
535	79.83906351	18.74012890
536	79.83947208	18.74114722
537	79.83977325	18.74288147
538	79.83972448	18.74403924
539	79.83925733	18.74501200
540	79.83836203	18.74612927
541	79.83800679	18.74721249
542	79.83781853	18.74813584
543	79.83766762	18.74911796
544	79.83757445	18.75004087
545	79.83737538	18.75042190
546	79.83736645	18.75049874
547	79.83730534	18.75093995
548	79.83717948	18.75188011
549	79.83730279	18.75296073
550	79.83750815	18.75319458
551	79.83746041	18.75302499
552	79.83747528	18.73484286
553	79.83692804	18.73414629
554	79.83634479	18.73352260

Geographic Coordinate System and WGS-84 Datum

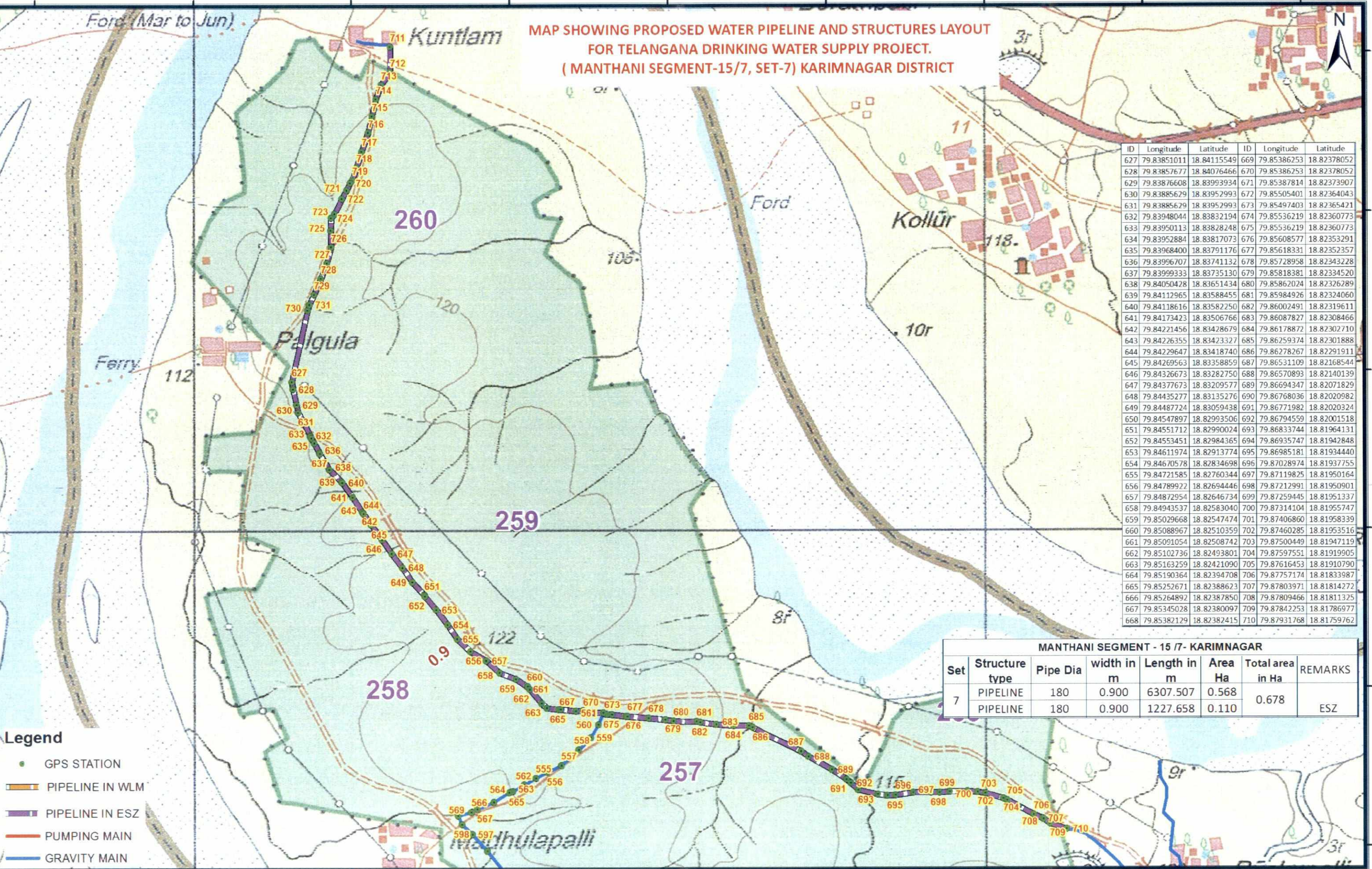


Superintending Engineer,
TDWSP., Circle Karimnagar.

Counter Signed
Chief Engineer
TDWSP (RWS&S), Hyderabad.



79°49'30"E 79°50'0"E 79°50'30"E 79°51'0"E 79°51'30"E 79°52'0"E 79°52'30"E 79°53'0"E 79°53'30"E



79°49'30"E 79°50'0"E 79°50'30"E 79°51'0"E 79°51'30"E 79°52'0"E 79°52'30"E 79°53'0"E 79°53'30"E

79°53'30"E

79°54'0"E

79°54'30"E

79°55'0"E

79°55'30"E

79°56'0"E

79°56'30"E

MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT
FOR TELANGANA DRINKING WATER SUPPLY PROJECT.
(MANTHANI SEGMENT-15/7, SET-8) KARIMNAGAR DISTRICT



ID	Longitude	Latitude
711	79.84373311	18.85867523
712	79.84372470	18.85734891
713	79.84324900	18.85668070
714	79.84298862	18.85593161
715	79.84277585	18.85505007
716	79.84256576	18.85417995
717	79.84222895	18.85320692
718	79.84194408	18.85236256
719	79.84171539	18.85170562
720	79.84160347	18.85156584
721	79.84141698	18.85117589
722	79.84117629	18.85074489
723	79.84078902	18.84994967
724	79.84061781	18.84973273
725	79.84058993	18.84906977
726	79.84060913	18.84820376
727	79.84037075	18.84736113
728	79.84005845	18.84657025
729	79.83970375	18.84572657
730	79.83934745	18.84489799
731	79.83945287	18.84520864
732	79.89546776	18.81186062
733	79.89659748	18.81195794
734	79.89761902	18.81202023
735	79.89849658	18.81200116
736	79.89849658	18.81200116
737	79.89859646	18.81191230
738	79.89860850	18.81196271
739	79.89849743	18.81182912
740	79.89853099	18.81177862
741	79.89853501	18.81176959
742	79.89856655	18.81157436
743	79.89868758	18.81122105
744	79.89870326	18.81083511
745	79.89875191	18.81064605
746	79.89893713	18.81010595
747	79.89907602	18.80954828
748	79.89915761	18.80932460
749	79.89939784	18.80893776
750	79.93540418	18.7743485
751	79.93497063	18.77816564
752	79.93448687	18.77885232
753	79.93338039	18.78051279
754	79.93307103	18.78135611
755	79.93273118	18.78217774
756	79.93568052	18.77703663
757	79.93600326	18.77673313
758	79.93663407	18.77601938
759	79.93168091	18.78323417

Legend

- GPS STATION
- PIPELINE IN WLM
- PIPELINE IN ESZ
- PUMPING MAIN
- GRAVITY MAIN

MANTHANI SEGMENT - 15/7 - KARIMNAGAR

Set	Structure type	Pipe Dia	width in m	Length in m	Area Ha	Total area in Ha	REMARKS
8	PIPELINE	150	0.900	689.309	0.062	0.129	ESZ
	PIPELINE	63	0.700	963.501	0.067		

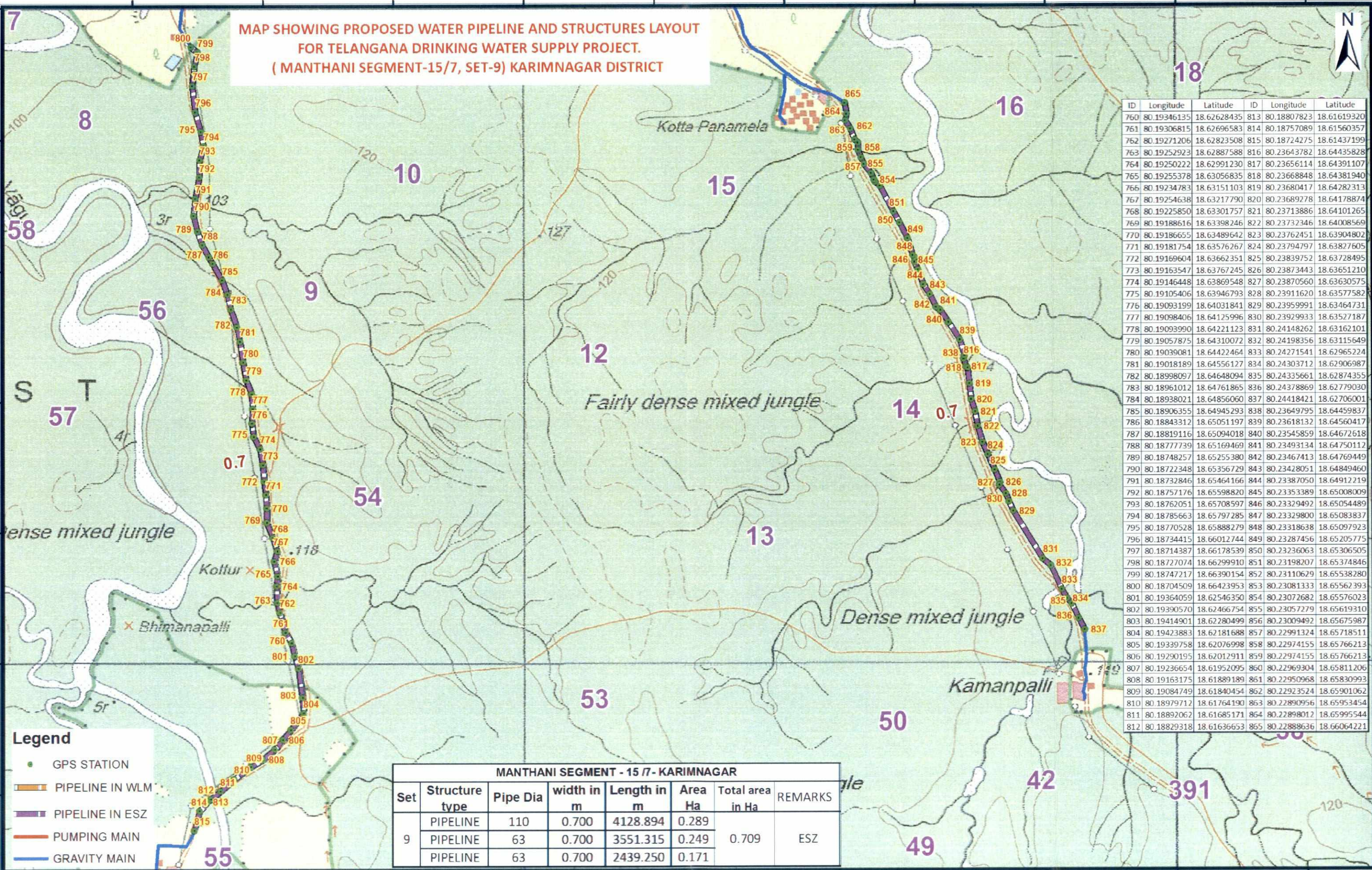
Geographic Coordinate System and WGS-84 Datum

0 0.225 0.45 0.9 1.35 1.8 KM

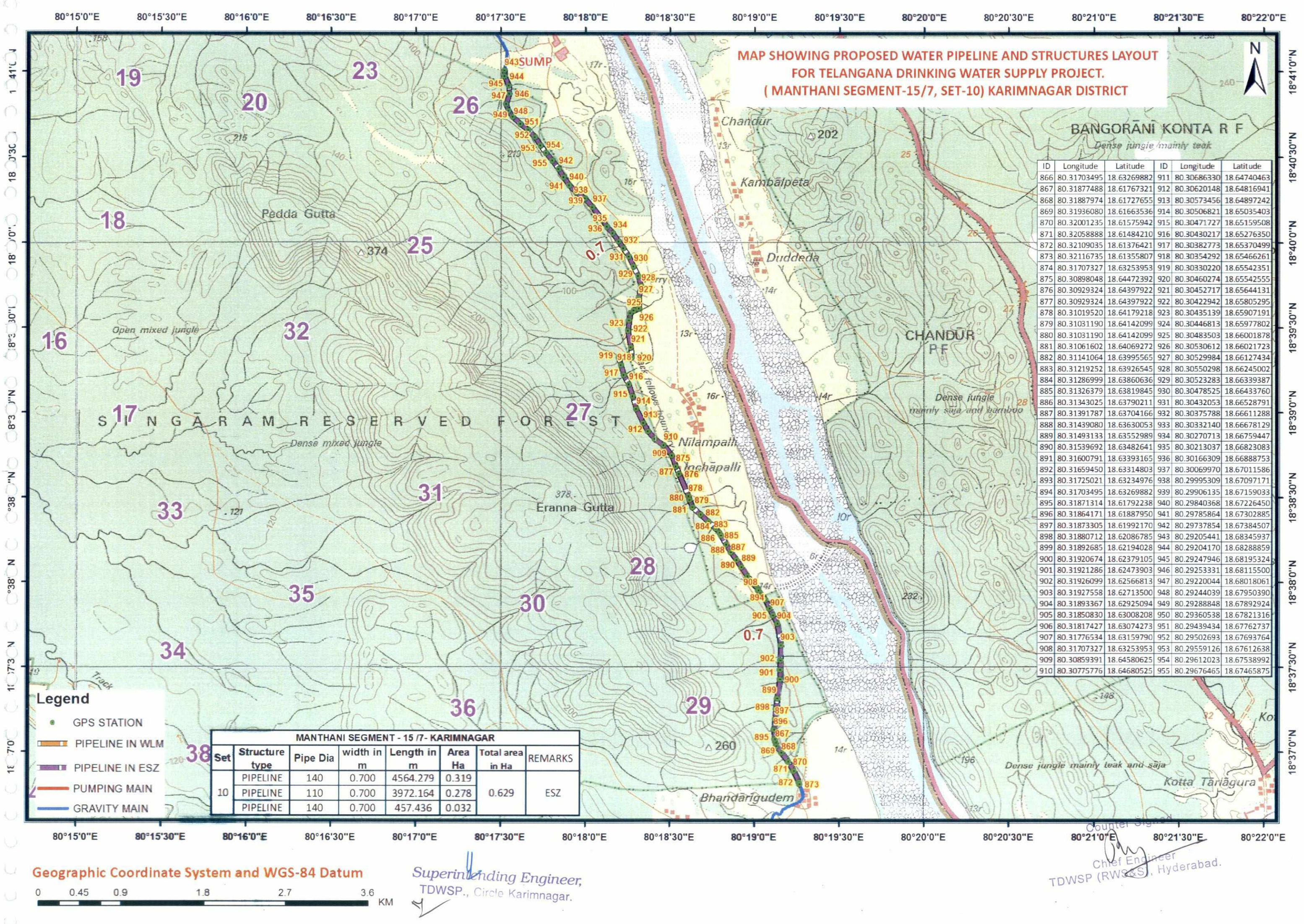
Superintending Engineer,
TDWSP, Circle Karimnagar.

Counter Signed
Chief Engineer
TDWSP (RWS&S), Hyderabad.

MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT
FOR TELANGANA DRINKING WATER SUPPLY PROJECT.
(MANTHANI SEGMENT-15/7, SET-9) KARIMNAGAR DISTRICT



ID	Longitude	Latitude	ID	Longitude	Latitude
760	80.19346135	18.62628435	813	80.18807823	18.61619320
761	80.19306815	18.62696583	814	80.18757089	18.61560357
762	80.19271206	18.62823508	815	80.18724275	18.61437199
763	80.19252923	18.62887588	816	80.23643782	18.64435828
764	80.19250222	18.62991230	817	80.23656114	18.64391107
765	80.19255378	18.63056835	818	80.23668848	18.64381940
766	80.19234783	18.63151103	819	80.23680417	18.64282313
767	80.19254638	18.63217790	820	80.23689278	18.64178874
768	80.19225850	18.63301757	821	80.23713886	18.64101265
769	80.19188616	18.63398246	822	80.23732346	18.64008569
770	80.19186655	18.63489642	823	80.23762451	18.63904802
771	80.19181754	18.63576267	824	80.23794797	18.63827605
772	80.19169604	18.63662351	825	80.23839752	18.63728495
773	80.19163547	18.63767245	826	80.23873443	18.63651210
774	80.19146448	18.63869548	827	80.23870560	18.63630575
775	80.19105406	18.63946793	828	80.23911620	18.63577582
776	80.19093199	18.64031841	829	80.23959991	18.63464731
777	80.19098406	18.64125996	830	80.23929933	18.63527187
778	80.19093990	18.64221123	831	80.24148262	18.63162101
779	80.19057875	18.64310072	832	80.24198356	18.63115649
780	80.19039081	18.64422464	833	80.24271541	18.62965224
781	80.19018189	18.64556127	834	80.24303712	18.62906987
782	80.18998097	18.64648094	835	80.24335661	18.62874355
783	80.18961012	18.64761865	836	80.24378869	18.62779030
784	80.18938021	18.64856060	837	80.24418421	18.62706001
785	80.18906355	18.64945293	838	80.23649795	18.64459837
786	80.18843312	18.65051197	839	80.23618132	18.64560417
787	80.18819116	18.65094018	840	80.23545859	18.64672618
788	80.18777739	18.65169469	841	80.23493134	18.64750112
789	80.18748257	18.65255380	842	80.23467413	18.64769449
790	80.18722348	18.65356729	843	80.23428051	18.64849460
791	80.18732846	18.65464166	844	80.23387050	18.64912129
792	80.18757176	18.65598820	845	80.23353389	18.65008009
793	80.18762051	18.65708597	846	80.23329492	18.65054489
794	80.18785663	18.65797285	847	80.23329800	18.65083837
795	80.18770528	18.65888279	848	80.23318638	18.65097923
796	80.18734415	18.66012744	849	80.23287456	18.65205775
797	80.18714387	18.66178539	850	80.23236063	18.65306505
798	80.18727074	18.66299910	851	80.23198207	18.65374846
799	80.18747217	18.66390154	852	80.23110629	18.65538280
800	80.18704509	18.66423953	853	80.23081333	18.65562393
801	80.19364059	18.62546350	854	80.23072682	18.65576023
802	80.19390570	18.62466754	855	80.23057279	18.65619310
803	80.19414901	18.62280499	856	80.23009492	18.65675987
804	80.19423883	18.62181688	857	80.22991324	18.65718511
805	80.19339758	18.62076998	858	80.22974155	18.65766213
806	80.19290195	18.62012911	859	80.22974155	18.65766213
807	80.19236654	18.61952095	860	80.22969304	18.65811206
808	80.19163175	18.61889189	861	80.22950968	18.65830993
809	80.19084749	18.61840454	862	80.22923524	18.65901062
810	80.18979712	18.61764190	863	80.22890956	18.65953454
811	80.18892062	18.61685171	864	80.22898012	18.65995544
812	80.18829318	18.61636653	865	80.22888636	18.66064221



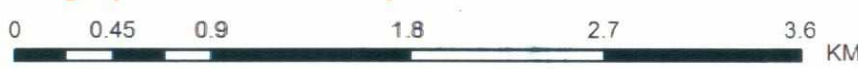
MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT
FOR TELANGANA DRINKING WATER SUPPLY PROJECT.
(MANTHANI SEGMENT-15/7, SET-10) KARIMNAGAR DISTRICT

ID	Longitude	Latitude	ID	Longitude	Latitude
866	80.31703495	18.63269882	911	80.30686330	18.64740463
867	80.31877488	18.61767321	912	80.30620148	18.64816941
868	80.31887974	18.61727655	913	80.30573456	18.64897242
869	80.31936080	18.61663536	914	80.30506821	18.65035403
870	80.32001235	18.61575942	915	80.30471727	18.65159508
871	80.32058888	18.61484210	916	80.30430217	18.65276350
872	80.32109035	18.61376421	917	80.30382773	18.65370499
873	80.32116735	18.61355807	918	80.30354292	18.65466261
874	80.31707327	18.63253953	919	80.30330220	18.65542351
875	80.30898048	18.64472392	920	80.30460274	18.65542555
876	80.30929324	18.64397922	921	80.30452717	18.65644131
877	80.30929324	18.64397922	922	80.30422942	18.65805295
878	80.31019520	18.64179218	923	80.30435139	18.65907191
879	80.31031190	18.64142099	924	80.30446813	18.65977802
880	80.31031190	18.64142099	925	80.30483503	18.66001878
881	80.31061602	18.64069272	926	80.30530612	18.66021723
882	80.31141064	18.63995565	927	80.30529984	18.66127434
883	80.31219252	18.63926545	928	80.30550298	18.66245002
884	80.31286999	18.63860636	929	80.30523283	18.66339387
885	80.31326379	18.63819845	930	80.30478525	18.66433760
886	80.31343025	18.63790211	931	80.30432053	18.66528791
887	80.31391787	18.63704166	932	80.30375788	18.66611288
888	80.31439080	18.63630053	933	80.30332140	18.66678129
889	80.31493133	18.63552989	934	80.30270713	18.66759447
890	80.31539692	18.63482641	935	80.30213037	18.66823083
891	80.31600791	18.63393165	936	80.30166309	18.66888753
892	80.31659450	18.63314803	937	80.30069970	18.67011586
893	80.31725021	18.63234976	938	80.29995309	18.67097171
894	80.31703495	18.63269882	939	80.29906135	18.67159033
895	80.31871314	18.61792238	940	80.29840368	18.67226450
896	80.31864171	18.61887950	941	80.29785864	18.67302885
897	80.31873305	18.61992170	942	80.29737854	18.67384507
898	80.31880712	18.62086785	943	80.29205441	18.68345937
899	80.31892685	18.62194028	944	80.29204170	18.68288859
900	80.31920674	18.62379105	945	80.29247946	18.68195324
901	80.31921286	18.62473903	946	80.29253331	18.68115500
902	80.31926099	18.62566813	947	80.29220044	18.68018061
903	80.31927558	18.62713500	948	80.29244039	18.67950390
904	80.31893367	18.62925094	949	80.29288848	18.67892924
905	80.31850830	18.63008208	950	80.29360538	18.67821316
906	80.31817427	18.63074273	951	80.29439434	18.67762737
907	80.31776534	18.63159790	952	80.29502693	18.67693764
908	80.31707327	18.63253953	953	80.29559126	18.67612638
909	80.30859391	18.64580625	954	80.29612023	18.67538992
910	80.30775776	18.64680525	955	80.29676465	18.67465875

- Legend**
- GPS STATION
 - PIPELINE IN WLM
 - PIPELINE IN ESZ
 - PUMPING MAIN
 - GRAVITY MAIN

MANTHANI SEGMENT - 15/7 - KARIMNAGAR							
Set	Structure type	Pipe Dia	width in m	Length in m	Area Ha	Total area in Ha	REMARKS
10	PIPELINE	140	0.700	4564.279	0.319	0.629	ESZ
	PIPELINE	110	0.700	3972.164	0.278		
	PIPELINE	140	0.700	457.436	0.032		

Geographic Coordinate System and WGS-84 Datum



Superintending Engineer,
TDWSP., Circle Karimnagar.

Chief Engineer
TDWSP (RWS&S), Hyderabad.

**MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT
FOR TELANGANA DRINKING WATER SUPPLY PROJECT.
(MANTHANI SEGMENT-15/7, SET-11) KARIMNAGAR DISTRICT**

ID	Longitude	Latitude	ID	Longitude	Latitude	ID	Longitude	Latitude	ID	Longitude	Latitude
956	80.1916850	18.5452804	1007	80.1452675	18.5723589	1058	80.1851534	18.5613123	1109	80.1656418	18.5318106
957	80.1894962	18.5542885	1008	80.1256385	18.5597513	1059	80.1852096	18.5610249	1110	80.1664032	18.5325083
958	80.1895845	18.5536076	1009	80.1250765	18.5591378	1060	80.1854636	18.5607750	1111	80.1673278	18.5328908
959	80.1897408	18.5525394	1010	80.1243871	18.5588920	1061	80.1855459	18.5606873	1112	80.1681356	18.5330647
960	80.1898610	18.5503848	1011	80.1231541	18.5586773	1062	80.1856671	18.5601605	1113	80.1682459	18.5330965
961	80.1898512	18.5496037	1012	80.1229855	18.5586351	1063	80.1865305	18.5587307	1114	80.1683419	18.5332558
962	80.1916850	18.5452804	1013	80.1226235	18.5585593	1064	80.1869194	18.5582731	1115	80.1683419	18.5332558
963	80.1457590	18.5725780	1014	80.1219550	18.5582347	1065	80.1882670	18.5572206	1116	80.1844225	18.5412634
964	80.1246701	18.5102868	1015	80.1217138	18.5581482	1066	80.1883616	18.5567545	1117	80.1827846	18.5403304
965	80.1254623	18.5106843	1016	80.1213420	18.5580959	1067	80.1883616	18.5567545	1118	80.1816164	18.5397014
966	80.1260918	18.5113451	1017	80.1197854	18.5572025	1068	80.1890009	18.5561802	1119	80.1807967	18.5392217
967	80.1263927	18.5115994	1018	80.1187593	18.5569971	1069	80.1893262	18.5551135	1120	80.1793195	18.5383103
968	80.1857112	18.5737159	1019	80.1172851	18.5569136	1070	80.1894962	18.5542885	1121	80.1785368	18.5377639
969	80.1857052	18.5743945	1020	80.1163153	18.5567504	1071	80.1895845	18.5536076	1122	80.1779684	18.5372563
970	80.1855879	18.5750125	1021	80.1141651	18.5561836	1072	80.1897408	18.5525394	1123	80.1773864	18.5367707
971	80.1855492	18.5761184	1022	80.1134739	18.5560167	1073	80.1898084	18.5515507	1124	80.1768613	18.5362849
972	80.1854591	18.5768701	1023	80.1130109	18.5559863	1074	80.1898610	18.5503848	1125	80.1760768	18.5358745
973	80.1854462	18.5773734	1024	80.1124563	18.5560152	1075	80.1898512	18.5496037	1126	80.1752577	18.5356423
974	80.1851582	18.5787172	1025	80.1105258	18.5557497	1076	80.1899991	18.5485102	1127	80.1743313	18.5354182
975	80.1849283	18.5788611	1026	80.1093162	18.5554151	1077	80.1902782	18.5474531	1128	80.1719407	18.5346733
976	80.1842840	18.5789437	1027	80.1075352	18.5546143	1078	80.1916850	18.5452804	1129	80.1714042	18.5344493
977	80.1833475	18.5790938	1028	80.1058743	18.5541284	1079	80.1856098	18.5491779	1130	80.1694703	18.5336931
978	80.1916850	18.5452804	1029	80.1054986	18.5540575	1080	80.1861808	18.5422070	1131	80.1688827	18.5334478
979	80.1916850	18.5452804	1030	80.1046895	18.5538813	1081	80.1868517	18.5425240	1132	80.1469549	18.5249523
980	80.1916850	18.5452804	1031	80.1916850	18.5452804	1082	80.1874130	18.5427996	1133	80.1466719	18.5247564
981	80.1264059	18.5604321	1032	80.1851902	18.5616870	1083	80.1882083	18.5433084	1134	80.1435792	18.5239615
982	80.1268411	18.5607762	1033	80.1855749	18.5624682	1084	80.1882083	18.5433084	1135	80.1427742	18.5235453
983	80.1272520	18.5612395	1034	80.1858379	18.5630881	1085	80.1886736	18.5435171	1136	80.1418817	18.5230424
984	80.1278959	18.5617022	1035	80.1859582	18.5634802	1086	80.1897435	18.5442459	1137	80.1409884	18.5225987
985	80.1288437	18.5623045	1036	80.1861368	18.5635829	1087	80.1903947	18.5445288	1138	80.1401194	18.5220899
986	80.1296420	18.5628128	1037	80.1861368	18.5635829	1088	80.1905573	18.5446976	1139	80.1394956	18.5212863
987	80.1305417	18.5634858	1038	80.1864829	18.5646435	1089	80.1916850	18.5452804	1140	80.1388648	18.5206497
988	80.1311284	18.5639815	1039	80.1865050	18.5647161	1090	80.1470206	18.5253217	1141	80.1381261	18.5198823
989	80.1313590	18.5641870	1040	80.1865052	18.5645399	1091	80.1473962	18.5256547	1142	80.1375082	18.5192619
990	80.1315490	18.5643959	1041	80.1865461	18.5660299	1092	80.1481891	18.5254363	1143	80.1367091	18.5188413
991	80.1321089	18.5648489	1042	80.1865597	18.5667508	1093	80.1493348	18.5253314	1144	80.1357635	18.5185314
992	80.1321089	18.5652472	1043	80.1865395	18.5673113	1094	80.1498585	18.5254385	1145	80.1350953	18.5174020
993	80.1341262	18.5655448	1044	80.1865261	18.5679685	1095	80.1513131	18.5257583	1146	80.1346798	18.5166549
994	80.1349369	18.5657856	1045	80.1865611	18.5685673	1096	80.1523156	18.5258568	1147	80.1342832	18.5157817
995	80.1351472	18.5659156	1046	80.1864716	18.5689970	1097	80.1535838	18.5261752	1148	80.1340140	18.5151526
996	80.1357060	18.5663062	1047	80.1863284	18.5695187	1098	80.1543701	18.5264237	1149	80.1338149	18.5150676
997	80.1361639	18.5671063	1048	80.1862543	18.5699325	1099	80.1555829	18.5267345	1150	80.1329267	18.5145992
998	80.1368227	18.5679048	1049	80.1861076	18.5704098	1100	80.1566296	18.5269841	1151	80.1320682	18.5143857
999	80.1380162	18.5690045	1050	80.1860159	18.5710584	1101	80.1574074	18.5273305	1152	80.1312130	18.5141485
1000	80.1385417	18.5693209	1051	80.1859418	18.5716654	1102	80.1584505	18.5277701	1153	80.1301697	18.5137567
1001	80.1401507	18.5699136	1052	80.1859534	18.5722930	1103	80.1595977	18.5281862	1154	80.1292201	18.5133957
1002	80.1414934	18.5706470	1053	80.1859664	18.5729424	1104	80.1611301	18.5287129	1155	80.1284277	18.5130264
1003	80.1432294	18.5714713	1054	80.1857243	18.5733480	1105	80.1622307	18.5292948	1156	80.1273950	18.5124784
1004	80.1440153	18.5716594	1055	80.1856850	18.5742804	1106	80.1630779	18.5297480	1157	80.1267478	18.5119122
1005	80.1442324	18.5717588	1056	80.1853696	18.5749463	1107	80.1636282	18.5302479	1158	80.1263927	18.5115949
1006	80.1447446	18.5721993	1057	80.1852154	18.5753380	1108	80.1646874	18.5310744			

MANTHANI SEGMENT - 15/7 - KARIMNAGAR							
Set	Structure type	Pipe Dia	width in m	Length in m	Area Ha	Total area in Ha	REMARKS
11	PIPELINE	125	0.700	11445.407	0.801	1.218	ESZ
	PIPELINE	90	0.700	3749.964	0.262		
	PIPELINE	125	0.700	1010.955	0.071		
	PIPELINE	90	0.700	1199.794	0.084		

- Legend**
- GPS STATION
 - PIPELINE IN WLM
 - PIPELINE IN ESZ
 - PUMPING MAIN
 - GRAVITY MAIN

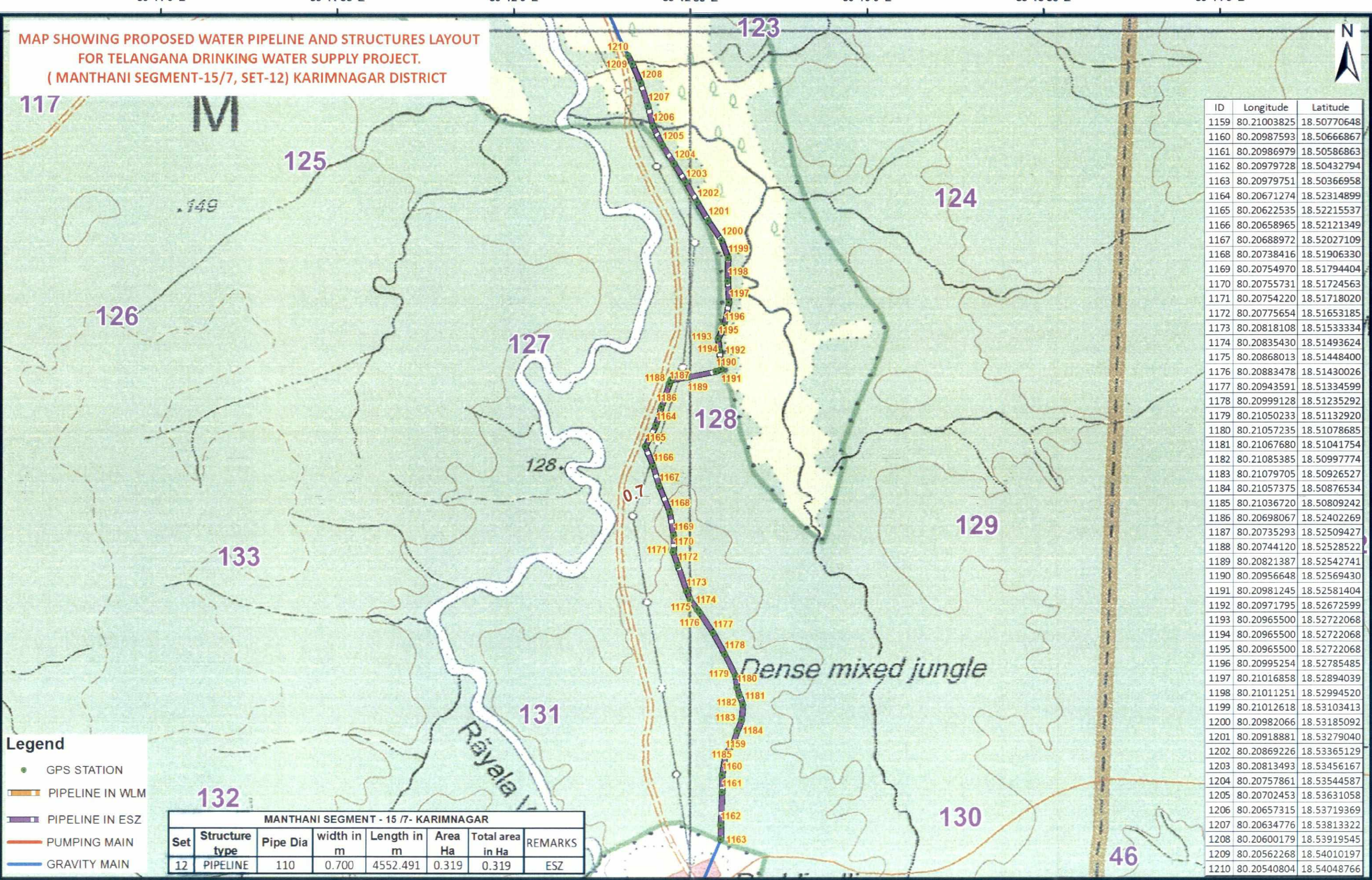
Geographic Coordinate System and WGS-84 Datum



Superintending Engineer,
TDWSP., Circle Karimnagar.

Counter Signed
Chief Engineer
TDWSP (RWS&S), Hyderabad.

MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT
FOR TELANGANA DRINKING WATER SUPPLY PROJECT.
(MANTHANI SEGMENT-15/7, SET-12) KARIMNAGAR DISTRICT



ID	Longitude	Latitude
1159	80.21003825	18.50770648
1160	80.20987593	18.50666867
1161	80.20986979	18.50586863
1162	80.20979728	18.50432794
1163	80.20979751	18.50366958
1164	80.20671274	18.52314899
1165	80.20622535	18.52215537
1166	80.20658965	18.52121349
1167	80.20688972	18.52027109
1168	80.20738416	18.51906330
1169	80.20754970	18.51794404
1170	80.20755731	18.51724563
1171	80.20754220	18.51718020
1172	80.20775654	18.51653185
1173	80.20818108	18.51533334
1174	80.20835430	18.51493624
1175	80.20868013	18.51448400
1176	80.20883478	18.51430026
1177	80.20943591	18.51334599
1178	80.20999128	18.51235292
1179	80.21050233	18.51132920
1180	80.21057235	18.51078685
1181	80.21067680	18.51041754
1182	80.21085385	18.50997774
1183	80.21079705	18.50926527
1184	80.21057375	18.50876534
1185	80.21036720	18.50809242
1186	80.20698067	18.52402269
1187	80.20735293	18.52509427
1188	80.20744120	18.52528522
1189	80.20821387	18.52542741
1190	80.20956648	18.52569430
1191	80.20981245	18.52581404
1192	80.20971795	18.52672599
1193	80.20965500	18.52722068
1194	80.20965500	18.52722068
1195	80.20965500	18.52722068
1196	80.20995254	18.52785485
1197	80.21016858	18.52894039
1198	80.21011251	18.52994520
1199	80.21012618	18.53103413
1200	80.20982066	18.53185092
1201	80.20918881	18.53279040
1202	80.20869226	18.53365129
1203	80.20813493	18.53456167
1204	80.20757861	18.53544587
1205	80.20702453	18.53631058
1206	80.20657315	18.53719369
1207	80.20634776	18.53813322
1208	80.20600179	18.53919545
1209	80.20562268	18.54010197
1210	80.20540804	18.54048766

Legend

- GPS STATION
- PIPELINE IN WLM
- PIPELINE IN ESZ
- PUMPING MAIN
- GRAVITY MAIN

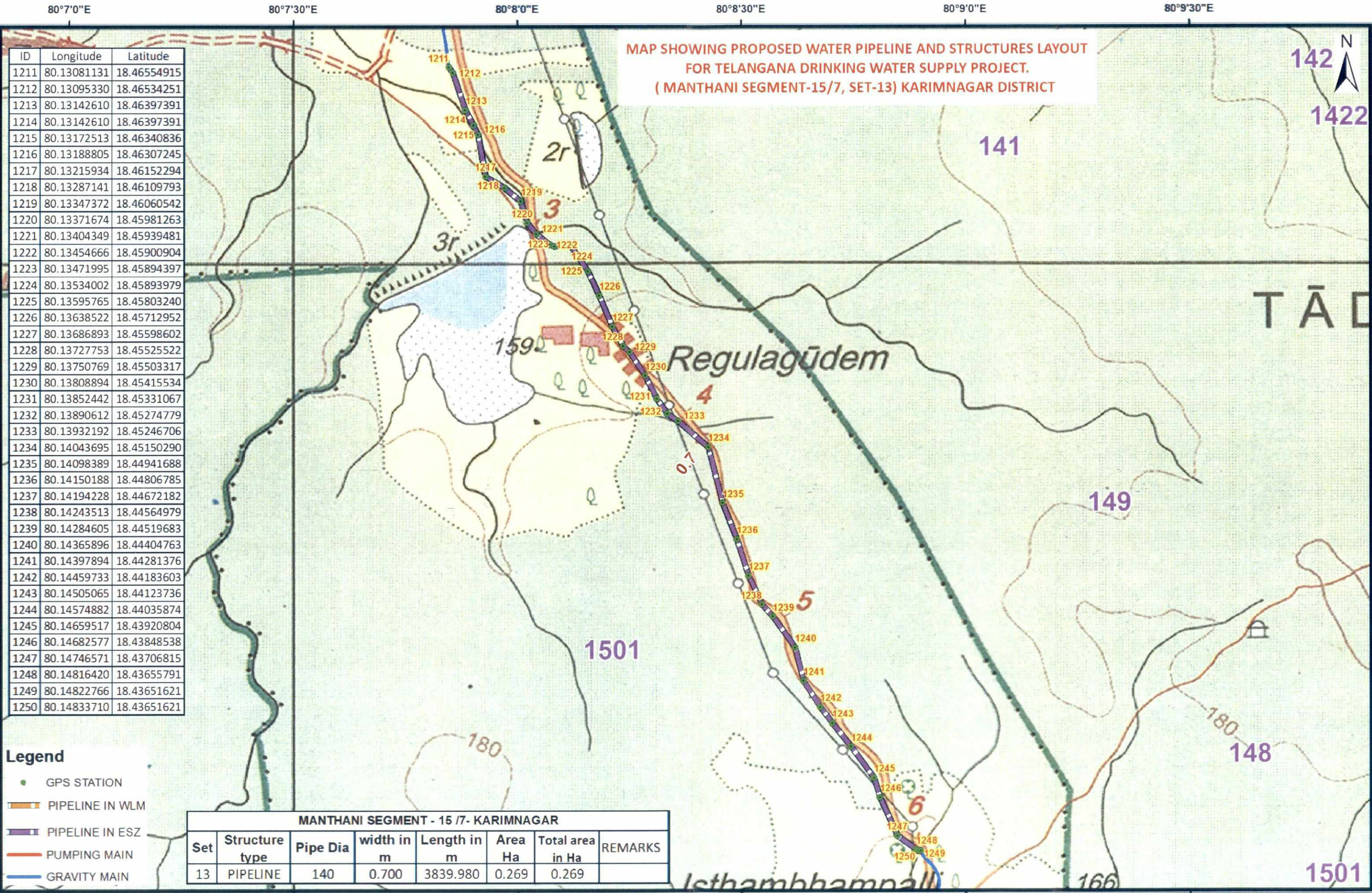
MANTHANI SEGMENT - 15 /7- KARIMNAGAR							
Set	Structure type	Pipe Dia	width in m	Length in m	Area Ha	Total area in Ha	REMARKS
12	PIPELINE	110	0.700	4552.491	0.319	0.319	ESZ

Geographic Coordinate System and WGS-84 Datum

0 0.225 0.45 0.9 1.35 1.8 KM

Superintending Engineer,
TDWSP, Circle Karimnagar.

Counter Signed
Chief Engineer
TDWSP (RWS&S), Hyderabad.



ID	Longitude	Latitude
1211	80.13081131	18.46554915
1212	80.13095330	18.46534251
1213	80.13142610	18.46397391
1214	80.13142610	18.46397391
1215	80.13172513	18.46340836
1216	80.13188805	18.46307245
1217	80.13215934	18.46152294
1218	80.13287141	18.46109793
1219	80.13347372	18.46060542
1220	80.13371674	18.45981263
1221	80.13404349	18.45939481
1222	80.13454666	18.45900904
1223	80.13471995	18.45894397
1224	80.13534002	18.45893979
1225	80.13595765	18.45803240
1226	80.13638522	18.45712952
1227	80.13686893	18.45598602
1228	80.13727753	18.45525522
1229	80.13750769	18.45503317
1230	80.13808894	18.45415534
1231	80.13852442	18.45331067
1232	80.13890612	18.45274779
1233	80.13932192	18.45246706
1234	80.14043695	18.45150290
1235	80.14098389	18.44941688
1236	80.14150188	18.44806785
1237	80.14194228	18.44672182
1238	80.14243513	18.44564979
1239	80.14284605	18.44519683
1240	80.14365896	18.44404763
1241	80.14397894	18.44281376
1242	80.14459733	18.44183603
1243	80.14505065	18.44123736
1244	80.14574882	18.44035874
1245	80.14659517	18.43920804
1246	80.14682577	18.43848538
1247	80.14746571	18.43706815
1248	80.14816420	18.43655791
1249	80.14822766	18.43651621
1250	80.14833710	18.43651621

- Legend**
- GPS STATION
 - PIPELINE IN WLM
 - PIPELINE IN ESZ
 - PUMPING MAIN
 - GRAVITY MAIN

MANTHANI SEGMENT - 15 /7- KARIMNAGAR							
Set	Structure type	Pipe Dia	width in m	Length in m	Area Ha	Total area in Ha	REMARKS
13	PIPELINE	140	0.700	3839.980	0.269	0.269	

Geographic Coordinate System and WGS-84 Datum



Superintending Engineer,
TDWSP., Circle Karimnagar.

Signed
[Signature]
TDWSP (RWS&S), Hyderabad.