

77°48'0"E 77°48'30"E 77°49'0"E 77°49'30"E 77°50'0"E 77°50'30"E

18°15'30"N

18°15'0"N

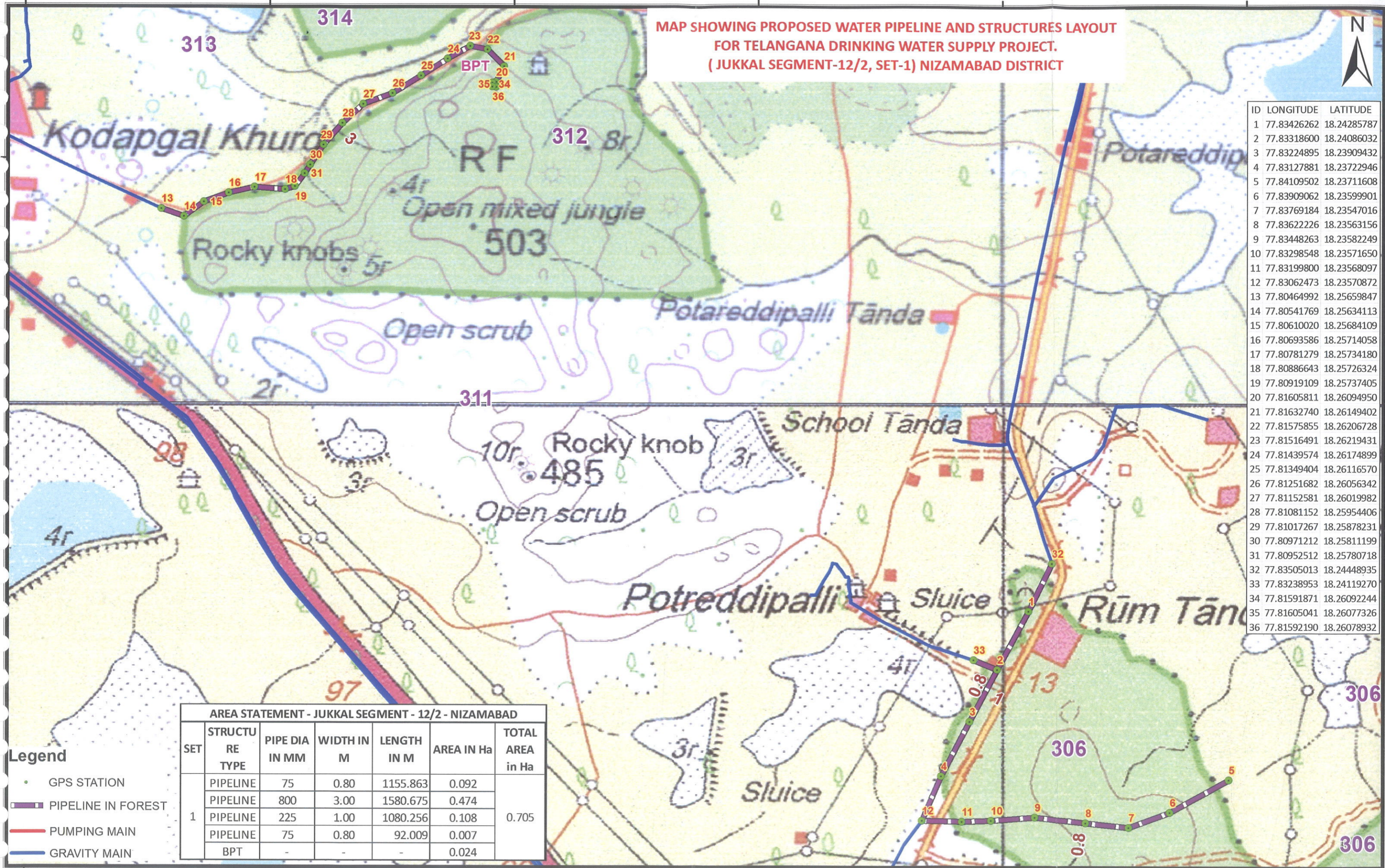
18°14'30"N

77°48'0"E 77°48'30"E 77°49'0"E 77°49'30"E 77°50'0"E 77°50'30"E

MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT FOR TELANGANA DRINKING WATER SUPPLY PROJECT. (JUKKAL SEGMENT-12/2, SET-1) NIZAMABAD DISTRICT



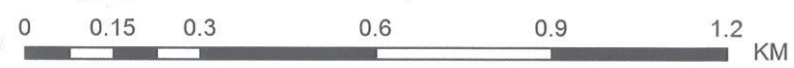
ID	LONGITUDE	LATITUDE
1	77.83426262	18.24285787
2	77.83318600	18.24086032
3	77.83224895	18.23909432
4	77.83127881	18.23722946
5	77.84109502	18.23711608
6	77.83909062	18.23599901
7	77.83769184	18.23547016
8	77.83622226	18.23563156
9	77.83448263	18.23582249
10	77.83298548	18.23571650
11	77.83199800	18.23568097
12	77.83062473	18.23570872
13	77.80464992	18.25659847
14	77.80541769	18.25634113
15	77.80610020	18.25684109
16	77.80693586	18.25714058
17	77.80781279	18.25734180
18	77.80886643	18.25726324
19	77.80919109	18.25737405
20	77.81605811	18.26094950
21	77.81632740	18.26149402
22	77.81575855	18.26206728
23	77.81516491	18.26219431
24	77.81439574	18.26174899
25	77.81349404	18.26116570
26	77.81251682	18.26056342
27	77.81152581	18.26019982
28	77.81081152	18.25954406
29	77.81017267	18.25878231
30	77.80971212	18.25811199
31	77.80952512	18.25780718
32	77.83505013	18.24448935
33	77.83238953	18.24119270
34	77.81591871	18.26092244
35	77.81605041	18.26077326
36	77.81592190	18.26078932




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


AREA STATEMENT - JUKKAL SEGMENT - 12/2 - NIZAMABAD						
SET	STRUCTURE TYPE	PIPE DIA IN MM	WIDTH IN M	LENGTH IN M	AREA IN Ha	TOTAL AREA in Ha
1	PIPELINE	75	0.80	1155.863	0.092	0.705
	PIPELINE	800	3.00	1580.675	0.474	
	PIPELINE	225	1.00	1080.256	0.108	
	PIPELINE	75	0.80	92.009	0.007	
	BPT	-	-	-	-	


Geographic Coordinate System and WGS-84 Datum



"counter signed"


 Executive Engineer
 TDWSP, Banswada Division


 Superintending Engineer
 TDWSP, Nirmal Circle


 Chief Engineer
 TDWSP, Hyderabad

77°51'0"E

77°51'30"E

77°52'0"E

77°52'30"E

**MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT
FOR TELANGANA DRINKING WATER SUPPLY PROJECT.
(JUKKAL SEGMENT-12/2, SET-2) NIZAMABAD DISTRICT**



18°18'30"N

18°18'30"N

18°18'0"N

18°18'0"N

18°17'30"N

18°17'30"N

ID	LONGITUDE	LATITUDE
37	77.87525449	18.30339518
38	77.84943765	18.30416097
39	77.86166321	18.30370799
40	77.86200596	18.30338282
41	77.86334046	18.30255759
42	77.86447975	18.30193348
43	77.86583189	18.30133614
44	77.86673762	18.30177708
45	77.86804129	18.30148559
46	77.86963125	18.30121224
47	77.87100918	18.30096444
48	77.87253905	18.30063763
49	77.87290737	18.30059524
50	77.85159145	18.30427560
51	77.87431066	18.30132536
52	77.87468188	18.30214041
53	77.87499198	18.30298423
54	77.85218115	18.30492323
55	77.85335966	18.30520723
56	77.85500262	18.30522263
57	77.85745998	18.30464106
58	77.85886194	18.30421973
59	77.85973912	18.30426646
60	77.86114440	18.30401604
61	77.87542890	18.30384420
62	77.84951116	18.30390018
63	77.84951116	18.30390018
64	77.84920857	18.30350753
65	77.84855820	18.30163298
66	77.84789295	18.29960989
67	77.84733969	18.29796167
68	77.84680929	18.29631597
69	77.84770871	18.30593611
70	77.84870836	18.30496003
71	77.84720884	18.29714744
74	77.84746368	18.30641749


Legend


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


AREA STATEMENT - JUKKAL SEGMENT - 12/2 - NIZAMABAD						
SET	STRUCTURE TYPE	PIPE DIA IN MM	WIDTH IN M	LENGTH IN M	AREA IN Ha	TOTAL AREA in Ha
2	PIPELINE	225	1.20	892.139	0.107	0.423
	PIPELINE	110	0.90	3116.776	0.281	
	PIPELINE	110	0.90	391.950	0.035	

Geographic Coordinate System and WGS-84 Datum




 Executive Engineer
 TDWSP, Banswada Division


 Superintending Engineer
 TDWSP, Nirmal Circle


 "counter signed"
 Chief Engineer
 TDWSP, Hyderabad

77°47'0"E

77°47'30"E

77°48'0"E

MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT FOR TELANGANA DRINKING WATER SUPPLY PROJECT. (JUKKAL SEGMENT-12/2, SET-3) NIZAMABAD DISTRICT



Kātepalli

Service

3r

460

315

495

1.2



ID	LONGITUDE	LATITUDE
78	77.79306994	18.30616019
79	77.79306994	18.30616019
82	77.79193096	18.30604183
83	77.78982221	18.30502972
84	77.78906797	18.30362575
85	77.79083239	18.30619707
86	77.79031623	18.30608461
87	77.78841978	18.30108169
88	77.78875455	18.30235810

Legend

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

AREA STATEMENT - JUKKAL SEGMENT - 12/2 - NIZAMABAD

SET	STRUCTURE TYPE	PIPE DIA IN MM	WIDTH IN M	LENGTH IN M	AREA IN Ha	TOTAL AREA in Ha
3	PIPELINE	140	1.20	1029.790	0.124	0.124

Geographic Coordinate System and WGS-84 Datum



Executive Engineer
TDWSP, Banswada Division

Superintending Engineer
TDWSP, Nirmal Circle

Chief Engineer
TDWSP, Hyderabad

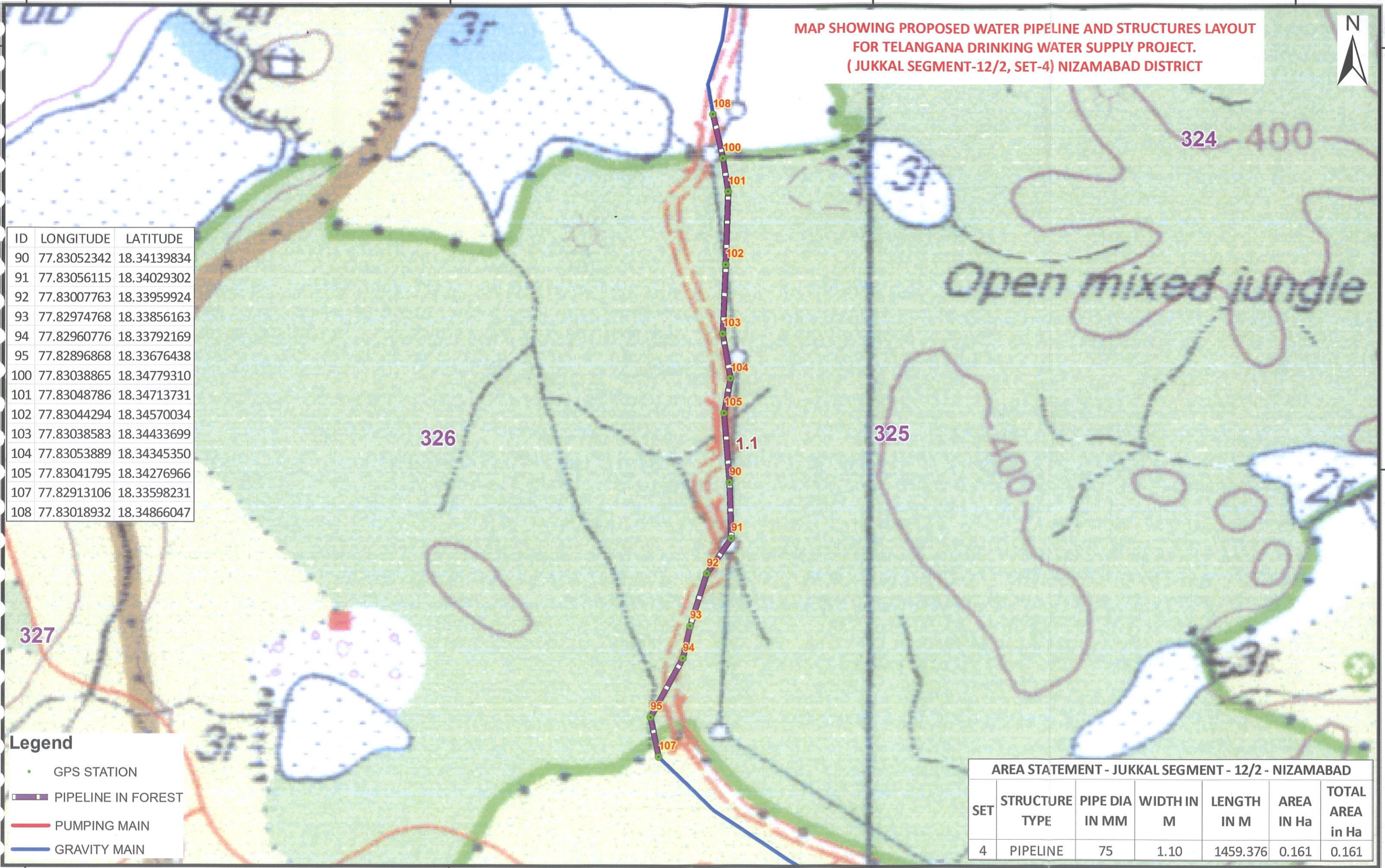
"counter signed"

77°49'0"E 77°49'30"E 77°50'0"E 77°50'30"E

MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT FOR TELANGANA DRINKING WATER SUPPLY PROJECT. (JUKKAL SEGMENT-12/2, SET-4) NIZAMABAD DISTRICT



ID	LONGITUDE	LATITUDE
90	77.83052342	18.34139834
91	77.83056115	18.34029302
92	77.83007763	18.33959924
93	77.82974768	18.33856163
94	77.82960776	18.33792169
95	77.82896868	18.33676438
100	77.83038865	18.34779310
101	77.83048786	18.34713731
102	77.83044294	18.34570034
103	77.83038583	18.34433699
104	77.83053889	18.34345350
105	77.83041795	18.34276966
107	77.82913106	18.33598231
108	77.83018932	18.34866047



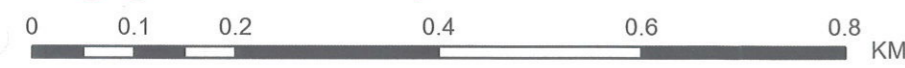
Legend


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


AREA STATEMENT - JUKKAL SEGMENT - 12/2 - NIZAMABAD						
SET	STRUCTURE TYPE	PIPE DIA IN MM	WIDTH IN M	LENGTH IN M	AREA IN Ha	TOTAL AREA in Ha
4	PIPELINE	75	1.10	1459.376	0.161	0.161


77°49'0"E 77°49'30"E 77°50'0"E 77°50'30"E

Geographic Coordinate System and WGS-84 Datum




 Executive Engineer
 TDWSP, Banswada Division


 Superintending Engineer
 TDWSP, Nirmal Circle


 "counter signed"
 Chief Engineer
 TDWSP, Hyderabad

77°45'30"E

77°46'0"E

77°46'30"E

MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT FOR TELANGANA DRINKING WATER SUPPLY PROJECT. (JUKKAL SEGMENT-12/2, SET-5) NIZAMABAD DISTRICT



335

KAULAS R F
Dense mixed jungle

336

Ellāram

337

Rājāpur

Sluice

329

ID	LONGITUDE	LATITUDE
109	77.77037229	18.35145738
110	77.77049557	18.35243492
111	77.77075339	18.35291644
112	77.77098850	18.35359978
113	77.77119090	18.35411167
114	77.77092360	18.35501180
115	77.77030861	18.35575470
116	77.77053393	18.35664409
117	77.77042596	18.35712346
118	77.76637701	18.34987760
119	77.76549567	18.34882624
120	77.76431897	18.34778835
121	77.76309732	18.34680264
122	77.76170975	18.34560727
123	77.76076356	18.34488878
124	77.75951734	18.34418468
125	77.76803374	18.35087071
126	77.77010921	18.35010679

Legend

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

AREA STATEMENT - JUKKAL SEGMENT - 12/2 - NIZAMABAD						
SET	STRUCTURE TYPE	PIPE DIA IN MM	WIDTH IN M	LENGTH IN M	AREA IN Ha	TOTAL AREA in Ha
5	PIPELINE	90	0.90	1429.559	0.129	0.195
	PIPELINE	75	0.80	825.853	0.066	

Geographic Coordinate System and WGS-84 Datum

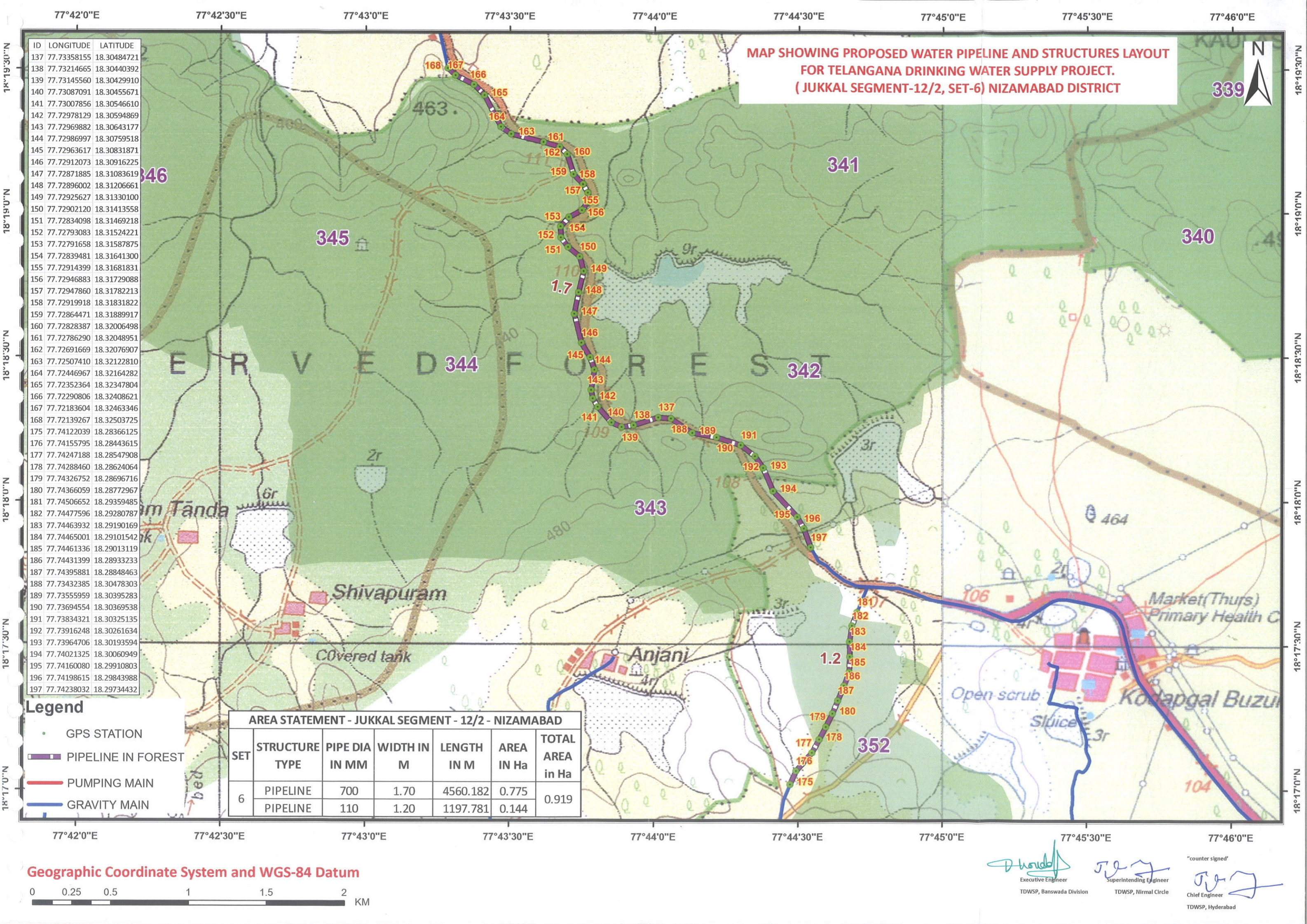
77°46'30"E

Executive Engineer
 TDWSP, Banswada Division

Superintending Engineer
 TDWSP, Nirmal Circle

"counter signed"

 Chief Engineer
 TDWSP, Hyderabad



MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT FOR TELANGANA DRINKING WATER SUPPLY PROJECT. (JUKKAL SEGMENT-12/2, SET-6) NIZAMABAD DISTRICT



ID	LONGITUDE	LATITUDE
137	77.73358155	18.30484721
138	77.73214665	18.30440392
139	77.73145560	18.30429910
140	77.73087091	18.30455671
141	77.73007856	18.30546610
142	77.72978129	18.30594869
143	77.72969882	18.30643177
144	77.72986997	18.30759518
145	77.72963617	18.30831871
146	77.72912073	18.30916225
147	77.72871885	18.31083619
148	77.72896002	18.31206661
149	77.72925627	18.31330100
150	77.72902120	18.31413558
151	77.72834098	18.31469218
152	77.72793083	18.31524221
153	77.72791658	18.31587875
154	77.72839481	18.31641300
155	77.72914399	18.31681831
156	77.72946883	18.31729088
157	77.72947860	18.31782213
158	77.72919918	18.31831822
159	77.72864471	18.31889917
160	77.72828387	18.32006498
161	77.72786290	18.32048951
162	77.72691669	18.32076907
163	77.72507410	18.32122810
164	77.72446967	18.32164282
165	77.72352364	18.32347804
166	77.72290806	18.32408621
167	77.72183604	18.32463346
168	77.72139267	18.32503725
175	77.74122039	18.28366125
176	77.74155795	18.28443615
177	77.74247188	18.28547908
178	77.74288460	18.28624064
179	77.74326752	18.28696716
180	77.74366059	18.28772967
181	77.74506652	18.29359485
182	77.74477596	18.29280787
183	77.74463932	18.29190169
184	77.74465001	18.29101542
185	77.74461336	18.29013119
186	77.74431399	18.28933233
187	77.74395881	18.28848463
188	77.73432385	18.30478303
189	77.73555959	18.30395283
190	77.73694554	18.30369538
191	77.73834321	18.30325135
192	77.73916248	18.30261634
193	77.73964706	18.30193594
194	77.74021325	18.30060949
195	77.74160080	18.29910803
196	77.74198615	18.29843988
197	77.74238032	18.29734432

Legend

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

AREA STATEMENT - JUKKAL SEGMENT - 12/2 - NIZAMABAD						
SET	STRUCTURE TYPE	PIPE DIA IN MM	WIDTH IN M	LENGTH IN M	AREA IN Ha	TOTAL AREA in Ha
6	PIPELINE	700	1.70	4560.182	0.775	0.919
	PIPELINE	110	1.20	1197.781	0.144	

Geographic Coordinate System and WGS-84 Datum



Executive Engineer
TDWSP, Banswada Division

Superintending Engineer
TDWSP, Nirmal Circle

Chief Engineer
TDWSP, Hyderabad

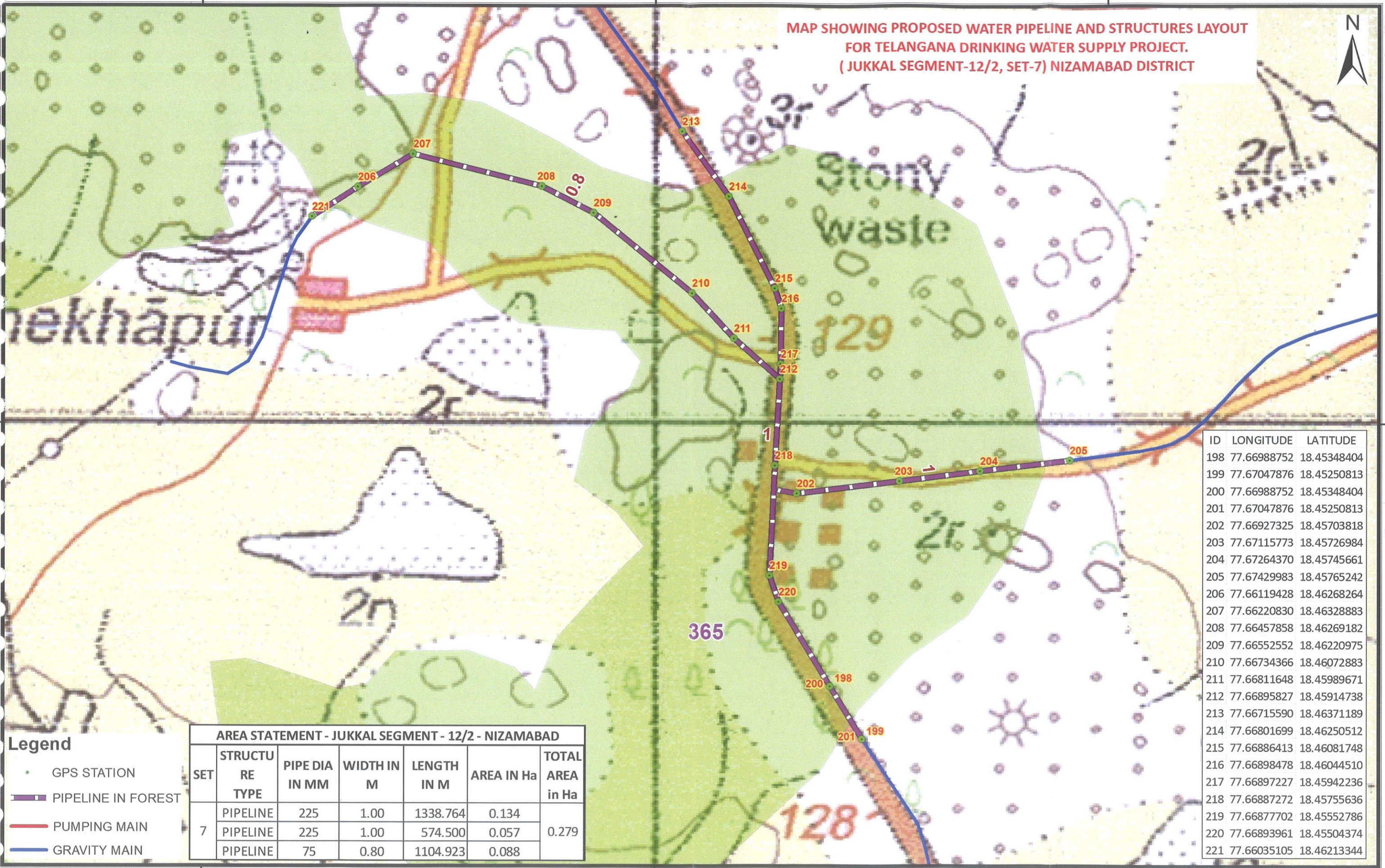
"counter signed"

77°39'30"E

77°40'0"E

77°40'30"E

MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT FOR TELANGANA DRINKING WATER SUPPLY PROJECT. (JUKKAL SEGMENT-12/2, SET-7) NIZAMABAD DISTRICT



Legend

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

AREA STATEMENT - JUKKAL SEGMENT - 12/2 - NIZAMABAD						
SET	STRUCTURE TYPE	PIPE DIA IN MM	WIDTH IN M	LENGTH IN M	AREA IN Ha	TOTAL AREA in Ha
7	PIPELINE	225	1.00	1338.764	0.134	0.279
	PIPELINE	225	1.00	574.500	0.057	
	PIPELINE	75	0.80	1104.923	0.088	

ID	LONGITUDE	LATITUDE
198	77.66988752	18.45348404
199	77.67047876	18.45250813
200	77.66988752	18.45348404
201	77.67047876	18.45250813
202	77.66927325	18.45703818
203	77.67115773	18.45726984
204	77.67264370	18.45745661
205	77.67429983	18.45765242
206	77.66119428	18.46268264
207	77.66220830	18.46328883
208	77.66457858	18.46269182
209	77.66552552	18.46220975
210	77.66734366	18.46072883
211	77.66811648	18.45989671
212	77.66895827	18.45914738
213	77.66715590	18.46371189
214	77.66801699	18.46250512
215	77.66886413	18.46081748
216	77.66898478	18.46044510
217	77.66897227	18.45942236
218	77.66887272	18.45755636
219	77.66877702	18.45552786
220	77.66893961	18.45504374
221	77.66035105	18.46213344

77°39'30"E

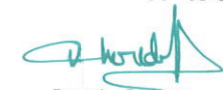
77°40'0"E


77°40'30"E


Geographic Coordinate System and WGS-84 Datum

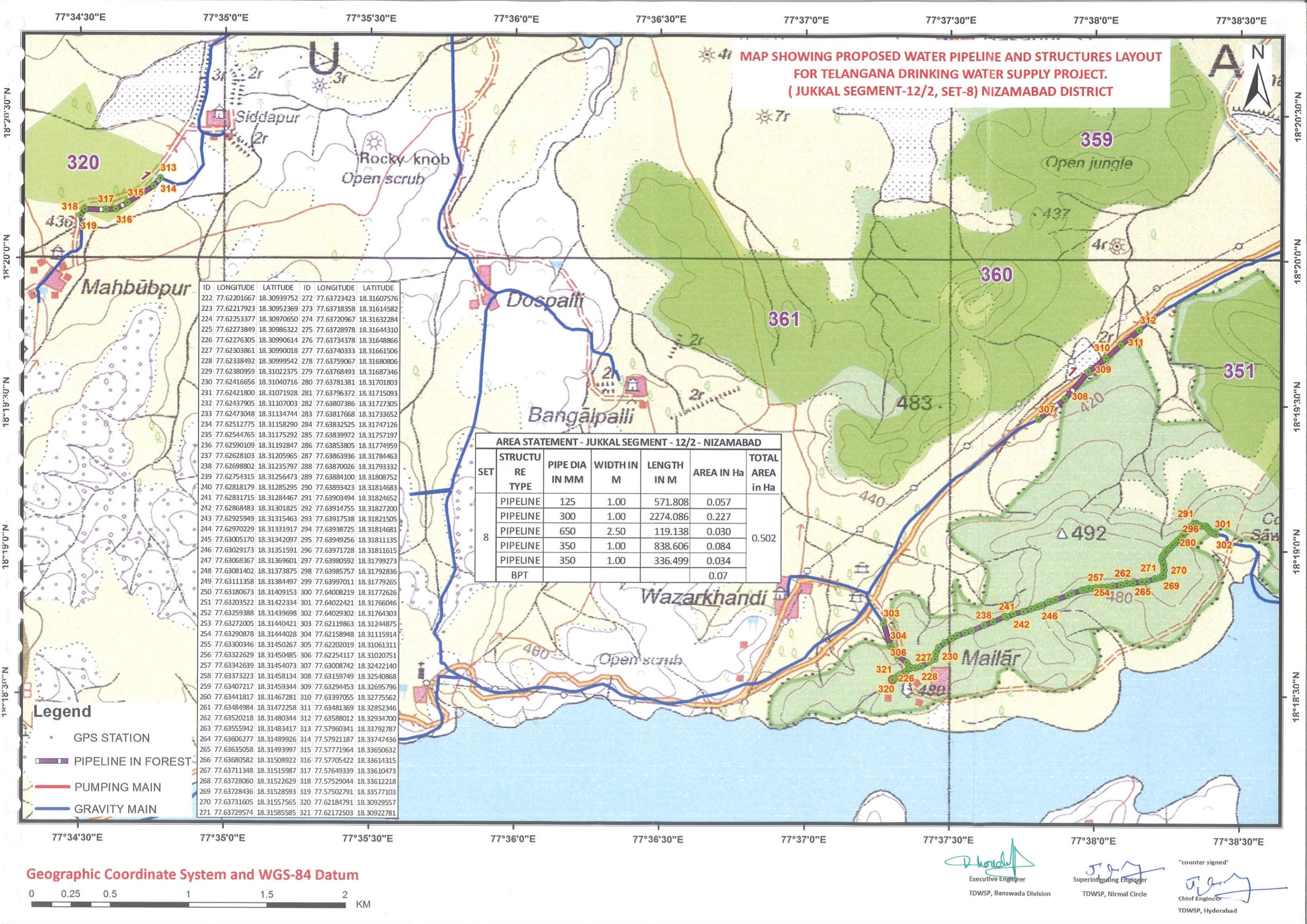


"counter signed"


 Executive Engineer
 TDWSP, Banswada Division


 Superintending Engineer
 TDWSP, Nirmal Circle


 Chief Engineer
 TDWSP, Hyderabad



MAP SHOWING PROPOSED WATER PIPELINE AND STRUCTURES LAYOUT FOR TELANGANA DRINKING WATER SUPPLY PROJECT. (JUKKAL SEGMENT-12/2, SET-8) NIZAMABAD DISTRICT

ID	LONGITUDE	LATITUDE	ID	LONGITUDE	LATITUDE
222	77.62201667	18.30939752	272	77.63723423	18.31607576
223	77.62217923	18.30952369	273	77.63718358	18.31614582
224	77.62253377	18.30970650	274	77.63720967	18.31632284
225	77.62273849	18.30986322	275	77.63728978	18.31644310
226	77.62276305	18.30990614	276	77.63734378	18.31648866
227	77.62303861	18.30990018	277	77.63740333	18.31661506
228	77.62338492	18.30999542	278	77.63759067	18.31680806
229	77.62380959	18.31022375	279	77.63768493	18.31687346
230	77.62416656	18.31040716	280	77.63781381	18.31701803
231	77.62421800	18.31071928	281	77.63796372	18.31715093
232	77.62437905	18.31107003	282	77.63807386	18.31727305
233	77.62473048	18.31134744	283	77.63817668	18.31733652
234	77.62512775	18.31158290	284	77.63832525	18.31747126
235	77.62544765	18.31175292	285	77.63839972	18.31757197
236	77.62590109	18.31192847	286	77.63853805	18.31774959
237	77.62628103	18.31205965	287	77.63863936	18.31784463
238	77.62698802	18.31235797	288	77.63870026	18.31793332
239	77.62754315	18.31256473	289	77.63884100	18.31808752
240	77.62818179	18.31285295	290	77.63893423	18.31814683
241	77.62831715	18.31284467	291	77.63903494	18.31824652
242	77.62868483	18.31301825	292	77.63914755	18.31827200
243	77.62925949	18.31315463	293	77.63917538	18.31821505
244	77.62970229	18.31331917	294	77.63938725	18.31814681
245	77.63005170	18.31342097	295	77.63949256	18.31811135
246	77.63029173	18.31351591	296	77.63971728	18.31811615
247	77.63068367	18.31369601	297	77.63980592	18.31799273
248	77.63081402	18.31373875	298	77.63985757	18.31792836
249	77.63111358	18.31384497	299	77.63997011	18.31779265
250	77.63180673	18.31409153	300	77.64008219	18.31772626
251	77.63203522	18.31422334	301	77.64022421	18.31766046
252	77.63259388	18.31439698	302	77.64029302	18.31764303
253	77.63272005	18.31440421	303	77.62119863	18.31244875
254	77.63290878	18.31444028	304	77.62158948	18.31115914
255	77.63300346	18.31450267	305	77.62202019	18.31061311
256	77.63322629	18.31450485	306	77.62254117	18.31020751
257	77.63342639	18.31454073	307	77.63008742	18.32422140
258	77.63373223	18.31458134	308	77.63159749	18.32540868
259	77.63407217	18.31459344	309	77.63294453	18.32695796
260	77.63441817	18.31467281	310	77.63397055	18.32775562
261	77.63484984	18.31472258	311	77.63481369	18.32852346
262	77.63520218	18.31480344	312	77.63588012	18.32934700
263	77.63555942	18.31483417	313	77.57960341	18.33792787
264	77.63606277	18.31489926	314	77.57921187	18.33747436
265	77.63635058	18.31493997	315	77.57771964	18.33650632
266	77.63680582	18.31508922	316	77.57705422	18.33614315
267	77.63711348	18.31515987	317	77.57649339	18.33610473
268	77.63728060	18.31522629	318	77.57529044	18.33612218
269	77.63728436	18.31528593	319	77.57502791	18.33577103
270	77.63731605	18.31557565	320	77.62184791	18.30929557
271	77.63729574	18.31585585	321	77.62172503	18.30922781

AREA STATEMENT - JUKKAL SEGMENT - 12/2 - NIZAMABAD						
SET	STRUCTURE TYPE	PIPE DIA IN MM	WIDTH IN M	LENGTH IN M	AREA IN Ha	TOTAL AREA in Ha
8	PIPELINE	125	1.00	571.808	0.057	0.502
	PIPELINE	300	1.00	2274.086	0.227	
	PIPELINE	650	2.50	119.138	0.030	
	PIPELINE	350	1.00	838.606	0.084	
	PIPELINE	350	1.00	336.499	0.034	
	BPT				0.07	

- Legend**
- GPS STATION
 - ▬ PIPELINE IN FOREST
 - ▬ PUMPING MAIN
 - ▬ GRAVITY MAIN

Geographic Coordinate System and WGS-84 Datum



Executive Engineer
TDWSP, Banswada Division

Superintending Engineer
TDWSP, Nirmal Circle

Chief Engineer
TDWSP, Hyderabad

"counter signed"