

# SURVEY CONTROL SHEET U-3315

Point	Description	North	East	Elevation	L STATION	Offset
1	U-3315 GPS 1	679533.6759	2475256.4297	71.06	OUTSIDE PROJECT LIMITS	
2	U-3315 GPS 2	679737.8411	2475807.7700	71.74	OUTSIDE PROJECT LIMITS	
3	U-3315 GPS 4	681564.9830	2479349.1497	69.29	OUTSIDE PROJECT LIMITS	
5	U-3315 GPS 5 - BY 13-56	679415.1513	2481477.4946	55.7900	OUTSIDE PROJECT LIMITS	
6	U-3315 GPS 6	678733.3173	2481411.2317	54.5900	OUTSIDE PROJECT LIMITS	
7	U-3315 GPS 7	677427.6519	2482778.2385	50.7200	OUTSIDE PROJECT LIMITS	
8	U-3315 GPS 8	678982.2303	2482767.2522	45.4000	OUTSIDE PROJECT LIMITS	
9	U-3315 GPS 3 - BY 6-45	680854.1870	2479329.6990	70.1700	10+34.86	20.41 RT
116	BL-18	680308.3542	2479774.3148	63.2100	47+96.63	138.44 LT
117	BL-17	680217.3668	2479370.8711	71.0600	43+93.01	57.00 LT
118	BL-19	679869.9852	2480085.1607	63.0100	51+22.08	293.26 RT
119	BL-16	680120.8253	2478938.5805	68.3900	39+58.45	28.75 RT
122	BL-15	680098.7810	2478529.3076	67.9100	35+47.03	38.59 RT
124	BL-14	680095.4613	2478210.7265	68.7400	32+28.37	7.85 RT
126	BL-13	680160.6591	2477499.9122	69.9200	25+18.20	95.40 LT
130	BL-12	679960.5813	2477003.3606	70.7400	19+99.81	52.38 RT
131	BL-11	679800.2075	2476501.1115	72.1800	14+72.85	43.95 LT
134	BL-10	679404.8344	2476052.8039	74.4800	OUTSIDE PROJECT LIMITS	
135	BL-9	679241.8098	2475553.0184	75.9600	OUTSIDE PROJECT LIMITS	
140	BL-29	679390.1338	2483226.3973	47.9300	83+45.42	49.64 RT
141	BL-30	679420.2799	2483481.1406	50.3000	85+89.83	28.26 LT
143	BL-28	679535.8145	2482919.3543	44.3500	80+14.95	30.60 LT
146	BL-27	679534.9145	2482599.7921	45.7600	77+06.12	52.40 RT
148	BL-26	679587.0507	2482281.7555	46.8000	73+85.75	87.41 RT
151	BL-25	679665.5807	2481913.5840	46.3900	70+10.00	110.44 RT
154	BL-24	679828.6156	2481493.1033	58.3400	65+61.21	66.07 RT
159	BL-23	679667.8177	2481124.8354	63.9800	62+49.51	319.69 RT
161	BL-22	680006.0660	2480948.6168	62.1700	59+87.42	36.27 RT
165	BL-21	680307.4304	2480722.0082	59.9400	57+10.41	214.23 LT
167	BL-20	680011.9426	2480367.5510	61.7500	54+03.71	128.43 RT
174	BL-31	679355.1502	2483869.1980	53.8900	89+82.93	43.18 LT

Point	Description	North	East	Elevation	Station	Offset
163	BY10-50	680217.0886	2481283.8012	62.5100	OUTSIDE PROJECT LIMITS	
164	BY10-51	679868.8962	2480771.0314	61.2200	OUTSIDE PROJECT LIMITS	

Point	Description	North	East	Elevation	Y10 STATION	Offset
154	BL-24	679828.6156	2481493.1033	58.3400	16+48.57	46.08 RT
156	BY11-52	680003.3606	2481712.1135	53.4300	OUTSIDE PROJECT LIMITS	
159	BL-23	679667.8177	2481124.8354	63.9800	12+53.95	29.15 LT
162	BY11-53	679444.4135	2480922.9656	63.7100	OUTSIDE PROJECT LIMITS	

Point	Description	North	East	Elevation	Y16 STATION	Offset
158	BY12-54	680066.7776	2481446.5156	61.4100	11+77.39	28.19 RT

Point	Description	North	East	Elevation	Station	Offset
5	U-3315 GPS 5 - BY 13-56	679415.1513	2481477.4946	55.7900	OUTSIDE PROJECT LIMITS	
157	BY13-55	680346.2684	2481546.8434	58.2800	OUTSIDE PROJECT LIMITS	

Point	Description	North	East	Elevation	Station	Offset
152	BY14-58	679262.1409	2481902.5769	46.7000	OUTSIDE PROJECT LIMITS	
153	BY14-57	680044.4147	2482007.3869	48.5600	OUTSIDE PROJECT LIMITS	

Point	Description	North	East	Elevation	Station	Offset
149	BY15-60	679253.5309	2482235.3519	49.2000	OUTSIDE PROJECT LIMITS	
150	BY15-59	679993.3426	2482273.0640	47.3000	OUTSIDE PROJECT LIMITS	

Point	Description	North	East	Elevation	Y12 STATION	Offset
146	BL-27	679534.9145	2482599.7921	45.7600	10+54.80	27.16 LT
147	BY16-61	679250.0118	2482539.0579	51.4500	OUTSIDE PROJECT LIMITS	

Point	Description	North	East	Elevation	Y13 STATION	Offset
143	BL-28	679535.8145	2482919.3543	44.3500	13+29.10	25.57 LT
144	BY17-63	679146.6385	2482788.7338	49.2900	OUTSIDE PROJECT LIMITS	
145	BY17-62	679926.9652	2482952.7073	40.8400	OUTSIDE PROJECT LIMITS	

Point	Description	North	East	Elevation	Y14 STATION	Offset
138	BY18-67	678287.8013	2483025.7588	54.3700	OUTSIDE PROJECT LIMITS	
139	BY18-66	678816.7435	2483051.8879	55.3800	OUTSIDE PROJECT LIMITS	
140	BL-29	679390.1338	2483226.3973	47.9300	19+45.67	37.46 LT
142	BY18-65	679879.9694	2483250.6847	45.3600	14+59.11	29.91 RT
173	BY18-64	680545.4537	2483369.8376	38.9900	OUTSIDE PROJECT LIMITS	

Point	Description	North	East	Elevation	Station	Offset
732	TBM B IRS	679682.6123	2476652.2832	71.7500	-L- 15+33.47	137.72 RT
919	TBM A LAG	680813.1827	2477248.0291	71.2600	-Y1- 10+63.50	50.90 RT
1524	TBM C LAG	678992.1739	2476728.4981	73.7900	-Y1- 29+55.99	54.57 RT
2966	TBM E LAG	679941.8134	2479076.9036	69.9800	-Y5- 12+18.26	18.84 RT
3820	TBM G LAG	680440.9307	2479674.6114	65.8500	-Y7- 15+71.25	26.07 LT
13555	TBM H LAG	680393.3310	2480552.6224	60.5400	-Y9- 11+58.65	190.10 LT
13557	TBM J LAG	680392.9112	2481179.1656	57.7500	-L- 61+14.76	394.35 LT
13559	TBM K LAG	679705.5765	2481503.3853	58.7700	-Y10- 15+87.63	153.46 RT
13561	TBM L TOP FH	679723.1326	2481928.4618	48.9600	-L- 70+08.91	51.00 RT
13563	TBM M EIR	679475.0404	2482186.5725	48.3900	-L- 73+24.07	220.84 RT
13565	TBM N LAG	679261.9851	2482857.4619	49.1800	-L- 80+18.00	250.12 RT
13567	TBM O LAG	679246.3831	2483460.0431	54.7200	-Y15- 12+94.37	17.21 RT
13569	TBM P LAG	679165.0304	2483781.3061	55.0400	-L- 89+17.29	185.03 RT
13579	TBM O IRS	680292.8637	2477664.4376	70.5500	-L- 26+84.68	225.13 LT

Point	Description	North	East	Elevation	Y1 STATION	Offset
130	BL-12	679960.5813	2477003.3606	70.74	19+50.50	46.42 RT
132	BY-34	679461.4914	2476957.4210	70.95	24+43.57	45.84 LT
133	BY-33	680380.3014	2477228.2335	70.08	14+84.53	51.60 LT
177	BY-32	680806.6427	2477348.0205	71.19	10+41.71	46.98 LT
178	BY-35	678944.7046	2476821.8241	71.37	OUTSIDE PROJECT LIMITS	

Point	Description	North	East	ELEVATION	Y2 STATION	Offset
124	BL-14	680095.4613	2478210.7265	68.7400	15+15.87	21.11 RT
127	BY-38	679824.3385	2478197.0003	68.3900	17+83.88	18.03 LT
129	BY-37	680429.2884	2478340.8294	69.6200	11+65.38	25.61 LT
175	BY-36	680680.0029	2478290.1472	68.4500	OUTSIDE PROJECT LIMITS	
176	BY-39	679384.5184	2478076.8747	70.8300	OUTSIDE PROJECT LIMITS	

Point	Description	North	East	Elevation	Y3 STATION	Offset
127	BY-38	679824.3385	2478197.0003	68.3900	11+30.87	2.40 LT
128	BY2-40	679588.8964	2478461.0446	67.1200	OUTSIDE PROJECT LIMITS	

Point	Description	North	East	Elevation	Y4 STATION	Offset
122	BL-15	680098.7810	2478529.3076	67.9100	10+39.64	65.73 RT
125	BY3-41	679813.0190	2478791.0254	67.4700	OUTSIDE PROJECT LIMITS	

Point	Description	North	East	Elevation	Y5 STATION	Offset
119	BL-16	680120.8253	2478938.5805	68.3900	10+28.75	82.55 RT
123	BY4-42	679958.2892	2479112.9224	68.7700	12+25.40	20.11 LT

Point	Description	North	East	Elevation	Y6 STATION	Offset
120	BY5-44	679857.6294	2479558.0405	69.4000	13+28.36	23.27 RT
121	BY5-43	680414.8782	2479147.5602	71.0600	OUTSIDE PROJECT LIMITS	

Point	Description	North	East	Elevation	Y7 STATION	Offset
9	U-3315 GPS 3 - BY 6-45	680854.1870	2479329.6990	70.1700	10+34.86	20.41 RT
116	BL-18	680308.3542	2479774.3148	63.2100	17+37.03	31.97 LT

Point	Description	North	East	Elevation	Y7 STATION	Offset
118	BL-19	679869.9852	2480085.1607	63.0100	22+74.40	36.03 LT
171	BY7-46	679474.3350	2480280.8323	64.7700	27+11.47	27.57 RT

Point	Description	North	East	Elevation	Y8 STATION	Offset
167	BL-20	680011.9426	2480367.5510	61.7500	11+13.80	41.57 RT
168	BY8-48	679771.4957	2480630.8655	61.9200	OUTSIDE PROJECT LIMITS	
169	BY8-47	680328.0651	2480222.3891	59.7700	OUTSIDE PROJECT LIMITS	

Point	Description	North	East	Elevation	Y9 STATION	Offset
165	BL-21	680307.4304	2480722.0082	59.9400	12+27.80	20.46 LT
166	BY9-49	680478.4429	2481033.6054	55.0400	OUTSIDE PROJECT LIMITS	