Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		5	965	395613	812238	Y	2340	PIT RUN	4		99.7
		6	966	395587	812236	Y	2340	PIT RUN	4		99.7
27/05/2015	1545	1	967	395584	812216	Y	2340	PIT RUN	2		99.4
		2	968	395609	812220	Y	2340	PIT RUN	2		99.7
		3	969	395638	812220	Y	2340	PIT RUN	2		98.3
		4	970	395664	812221	Y	2340	PIT RUN	5		98.5
		5	971	395684	812220	Y	2340	PIT RUN	5		98.5
		6	972	395704	812221	Y	2340	PIT RUN	5		98.5
		7	973	395722	812222	Y	2340	PIT RUN	5		98.2
27/05/2015	1546	1	974	395711	812243	Y	2340	PIT RUN	5		98.2
		2	975	395688	812242	Y	2340	PIT RUN	5		98.2
		3	976	395664	812242	Y	2340	PIT RUN	5		99.4
		4	977	395640	812240	Y	2340	PIT RUN	5		99.3
		5	978	395613	812238	Y	2340	PIT RUN	5		100.7
		6	979	395587	812236	Y	2320	PIT RUN	5		99.0
28/05/2015	1547	1	980	395584	812216	Y	2340	PIT RUN	3		99.6
		2	981	395609	812220	Y	2340	PIT RUN	3		101.7
		3	982	395638	812220	Y	2340	PIT RUN	3		100.9
		4	983	395664	812221	Y	2340	PIT RUN	6		99.0
		5	984	395684	812220	Y	2340	PIT RUN	6		99.1
		6	985	395704	812221	Y	2340	PIT RUN	6		98.6
		7	986	395722	812222	Y	2340	PIT RUN	6		100.2
28/05/2015	1548	1	987	395711	812243	Y	2340	PIT RUN	6		100.3
		2	988	395688	812242	Y	2340	PIT RUN	6		98.4
		3	989	395664	812242	Y	2340	PIT RUN	6		99.8
		4	990	395640	812240	Y	2340	PIT RUN	6		98.9
		5	991	395613	812238	Y	2340	PIT RUN	6		99.9
		6	992	395587	812236	Y	2340	PIT RUN	6		99.4
28/05/2015	1549	1	993	395584	812216	Y	2340	PIT RUN	4		99.1
		2	994	395609	812220	Y	2340	PIT RUN	4		99.0
		3	995	395638	812220	Y	2340	PIT RUN	4		99.0
		4	996	395664	812221	Y	2340	PIT RUN	7		99.9
		5	997	395684	812220	Y	2340	PIT RUN	7		100.1
		6	998	395704	812221	Y	2340	PIT RUN	7		99.4
		7	999	395722	812222	Y	2340	PIT RUN	7		98.0
3/06/2015	1593	1	1008	395584	812216	Y	2340	PIT RUN	5		98.2
		2	1009	395609	812220	Y	2340	PIT RUN	5		103.7
		3	1010	395638	812220	Y	2340	PIT RUN	5		98.8
		4	1011	395664	812221	Y	2340	PIT RUN	8		98.1
		5	1012	395684	812220	Y	2340	PIT RUN	8		98.0
		6	1013	395704	812221	Y	2340	PIT RUN	8		98.5
		7	1014	395722	812222	Y	2340	PIT RUN	8		99.3
4/06/2015	1594	1	1015	395584	812216	Y	2340	PIT RUN	6		98.3
		2	1016	395609	812220	Y	2340	PIT RUN	6		98.8
		3	1017	395638	812220	Y	2340	PIT RUN	6		98.5
		4	1018	395664	812221	Y	2340	PIT RUN	9		98.0
		5	1019	395684	812220	Y	2340	PIT RUN	9		98.0
		6	1020	395704	812221	Y	2340	PIT RUN	9		100.1
		7	1021	395722	812222	Y	2340	PIT RUN	9		98.8
8/06/2015	1613	1	1022	395822	812232	Y	2340	PIT RUN	8		99.1
		2	1023	395800	812230	Y	2340	PIT RUN	8		100.3
		3	1024	395777	812228	Y	2340	PIT RUN	8		98.7
		4	1025	395755	812227	Y	2340	PIT RUN	8		98.4
		5	1026	395584	812216	Y	2340	PIT RUN	7		99.8
		6	1027	395609	812220	Y	2340	PIT RUN	7		99.6
		7	1028	395638	812220	Y	2340	PIT RUN	7		98.2
		8	1029	395664	812221	Y	2340	PIT RUN	10		99.4
		9	1030	395684	812220	Y	2340	PIT RUN	10		99.0
		10	1031	395704	812221	Y	2340	PIT RUN	10		99.4
		11	1032	395722	812222	Y	2340	PIT RUN	10		99.9
8/06/2015	1614	1	1033	395799	812250	Y	2340	PIT RUN	9		100.1
		2	1034	395787	812249	Y	2340	PIT RUN	9		99.7
		3	1035	395774	812248	Y	2340	PIT RUN	9		99.8
		4	1036	395752	812245	Y	2340	PIT RUN	9		98.8
		5	1037	395711	812243	Y	2340	PIT RUN	7		98.8
		6	1038	395688	812242	Y	2340	PIT RUN	7		98.9
		7	1039	395664	812242	Y	2340	PIT RUN	7		99.3
		8	1040	395640	812240	Y	2340	PIT RUN	7		99.5
		9	1041	395613	812238	Y	2340	PIT RUN	7		98.1

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		10	1042	395587	812236	Y	2340	PIT RUN	7		98.1
10/06/2015	1641	1	1043	395584	812216	Y	2340	PIT RUN	8		98.3
		2	1044	395609	812220	Y	2340	PIT RUN	8		98.6
		3	1045	395638	812220	Y	2340	PIT RUN	8		100.7
		4	1046	395664	812221	Y	2340	PIT RUN	11		98.3
		5	1047	395684	812220	Y	2340	PIT RUN	11		99.9
		6	1048	395704	812221	Y	2340	PIT RUN	11		100.4
		7	1049	395722	812222	Y	2340	PIT RUN	11		98.1
		8	1050	395711	812243	Y	2340	PIT RUN	8		98.7
		9	1051	395688	812242	Y	2340	PIT RUN	8		100.9
		10	1052	395664	812242	Y	2340	PIT RUN	8		99.7
		11	1053	395640	812240	Y	2340	PIT RUN	8		98.2
		12	1054	395613	812238	Y	2340	PIT RUN	8		98.3
		13	1055	395587	812236	Y	2340	PIT RUN	8		98.9
13/02/2015	389	1	1236	395574	812232	Y	2320	PIT RUN	7	398	96.3
		2	1237	395553	812230	U	2320	PIT RUN	7	398	95.7
16/02/2015	398	1	1239	395574	812232	Y	2320	PIT RUN	7	389	98.1
		2	1240	395553	812230	U	2320	PIT RUN	7	389	98.2

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
4/09/2014	2120	8	496	395398	812630	W	1600	SAND	1		97.8
30/08/2014	2075	12	500	395399	812593	W	1600	SAND	1		101.6
		13	501	395401	812576	W	1600	SAND	1		101.8
		14	502	395402	812557	W	1600	SAND	1		101.4
		15	503	395378	812557	W	1600	SAND	1		103.4
		16	504	395377	812574	W	1600	SAND	1		98.4
		17	505	395375	812590	W	1600	SAND	1		98.9
2/10/2014	2406	3	574	395506	812641	X	1600	SAND	1		107.1
1/10/2014	2398	1	576	395506	812641	X	1600	SAND	1		103.3
		2	577	395507	812623	X	1600	SAND	1		104.0
		3	580	395506	812641	X	1600	SAND	2		102.7
7/10/2014	2458	1	595	395506	812641	X	1600	SAND	2		103.2
16/10/2014	2566	1	637	395506	812641	X	1600	SAND	3		102.2
23/10/2014	2634	1	669	395462	812636	X	1600	SAND	1		100.0
		2	670	395440	812633	W	1600	SAND	1		99.6
		3	671	395498	812625	X	1600	SAND	1		99.3
		4	672	395500	812605	X	1600	SAND	1		97.6
24/10/2014	2652	1	685	395462	812636	X	1600	SAND	2		100.3
		2	686	395462	812596	X	1600	SAND	1		106.1
		3	687	395463	812573	X	1600	SAND	1		102.7
28/10/2014	2664	1	688	395462	812596	X	1600	SAND	2		97.8
		2	689	395463	812573	X	1600	SAND	2		97.3
		3	690	395440	812574	W	1600	SAND	1		99.3
		4	691	395438	812595	W	1600	SAND	1		103.2
29/10/2014	2678	1	696	395443	812552	W	1600	SAND	1		100.0
		2	697	395467	812552	X	1600	SAND	1		101.8
		1	698	395443	812552	W	1600	SAND	2		104.3
		2	699	395467	812552	X	1600	SAND	2		99.5
31/10/2014	2719	1	713	395500	812598	X	1620	SAND	1		105.2
		2	714	395511	812597	X	1620	SAND	1		100.3
		3	715	395530	812599	X	1620	SAND	1		106.0
		4	716	395548	812600	X	1620	SAND	1		101.8
		5	717	395569	812597	X	1620	SAND	1		102.2
		6	718	395586	812597	X	1620	SAND	1		111.9
		7	719	395606	812596	X	1620	SAND	1		100.7
		8	720	395625	812594	X	1620	SAND	1		101.0
		9	721	395644	812592	X	1620	SAND	1		98.2
		10	722	395664	812591	X	1620	SAND	1		98.9
		11	723	395681	812590	X	1620	SAND	1		101.2
3/11/2014	2727	1	724	395500	812598	X	1620	SAND	2		102.8
		2	725	395511	812597	X	1620	SAND	2		101.9
		3	726	395530	812599	X	1620	SAND	2		99.3
		4	727	395548	812600	X	1620	SAND	2		104.3
		5	728	395569	812597	X	1620	SAND	2		103.3
		6	729	395586	812597	X	1620	SAND	2		100.1
		7	730	395606	812596	X	1620	SAND	2		102.7
		8	731	395625	812594	X	1620	SAND	2		104.0
		9	732	395644	812592	X	1620	SAND	2		104.0
		10	733	395664	812591	X	1620	SAND	2		103.6
		11	734	395681	812590	X	1620	SAND	2		104.1
4/11/2014	2745	2	736	395586	812597	X	1620	SAND	3		101.0
		3	737	395606	812596	X	1620	SAND	3		107.0
		4	738	395625	812594	X	1620	SAND	3		103.1
		5	739	395644	812592	X	1620	SAND	3		104.7
		6	740	395664	812591	X	1620	SAND	3		105.1
		7	741	395681	812590	X	1620	SAND	3		103.7
5/11/2014	2768	1	746	395505	812615	X	1620	SAND	3		95.1
		2	747	395511	812597	X	1620	SAND	3	2831	93.0
		3	748	395530	812599	X	1620	SAND	3		98.8
		4	749	395548	812600	X	1620	SAND	3		101.8
		5	750	395569	812597	X	1620	SAND	3		100.1
		6	751	395586	812597	X	1620	SAND	4		98.3
		7	752	395606	812596	X	1620	SAND	4		98.1
		8	753	395625	812594	X	1620	SAND	4		99.2
		9	754	395644	812592	X	1620	SAND	4		101.0
		10	755	395664	812591	X	1620	SAND	4		95.5
		11	756	395678	812596	X	1620	SAND	4		99.1
		12	757	395681	812590	X.	1620	SAND	4		97.8
6/11/2014	2791	1	763	395567	812571	X	1620	SAND	1		99.1

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		2	764	395584	812566	X	1620	SAND	1		96.0
		3	765	395593	812571	X	1620	SAND	1		99.0
		4	766	395605	812570	X	1620	SAND	1		101.1
		5	767	395569	812547	X	1620	SAND	1		96.0
		6	768	395580	812542	X	1620	SAND	1		97.0
		7	769	395595	812546	X	1620	SAND	1		97.9
		8	770	395608	812545	X	1620	SAND	1		98.8
		9	771	395644	812565	X	1620	SAND	1		103.3
		10	772	395662	812565	X	1620	SAND	1		104.5
		11	773	395677	812563	X	1620	SAND	1		99.1
		12	774	395589	812529	X	1620	SAND	1		99.9
6/11/2014	2792	1	775	395501	812594	X	1620	SAND	1		103.9
		2	776	395505	812615	X	1620	SAND	1		92.3
7/11/2014	2811	5	777	395604	812535	X	1620	SAND	1		101.9
		2	778	395586	812555	X	1620	SAND	1		106.8
7/11/2014	2813	1	781	395505	812615	X	1620	SAND	5		98.6
		2	782	395530	812599	X	1620	SAND	5		97.2
		3	783	395548	812600	X	1620	SAND	5		97.5
		4	784	395569	812597	X	1620	SAND	5		104.6
		5	785	395586	812597	X	1620	SAND	5		98.1
		6	786	395606	812596	X	1620	SAND	5		104.0
		7	787	395625	812594	X	1620	SAND	5		104.2
		8	788	395644	812592	X	1620	SAND	5		101.4
		9	789	395664	812591	X	1620	SAND	5		101.5
		10	790	395681	812590	X	1620	SAND	5		103.0
7/11/2014	2810	1	791	395593	812513	X	1620	SAND	1		99.8
		2	792	395570	812520	X	1620	SAND	1		98.4
10/11/2014	2831	1	793	395511	812597	X	1620	SAND	3	2768	106.9
11/11/2014	2844	1	799	395511	812597	X	1620	SAND	5		99.9
12/11/2014	2868	1	800	395567	812571	X	1620	SAND	2		101.7
		2	801	395584	812566	X	1620	SAND	2		103.6
		3	802	395605	812570	X	1620	SAND	2		102.5
		4	803	395644	812565	X	1620	SAND	2		100.7
		5	804	395662	812565	X	1620	SAND	2		102.9
		6	805	395677	812563	X	1620	SAND	2		104.4
		7	806	395604	812535	X	1620	SAND	2		100.2
		8	807	395593	812513	X	1620	SAND	2		105.6
		9	808	395570	812520	X	1620	SAND	2		102.0
		10	809	395569	812547	X	1620	SAND	2		101.0
17/11/2014	2895	1	810	395642	812495	X	1620	SAND	2		96.0
		2	811	395662	812520	X	1620	SAND	2		99.9
		3	812	395645	812526	X	1620	SAND	2		98.9
		4	813	395634	812478	X	1620	SAND	1		98.7
		5	814	395596	812509	X	1620	SAND	1		96.0
		6	815	395569	812516	X	1620	SAND	1		105.8
		7	816	395562	812503	X	1620	SAND	1		106.1
		8	817	395580	812499	X	1620	SAND	1		105.3
		9	818	395570	812488	X	1620	SAND	1		105.3
		10	819	395555	812491	X	1620	SAND	1		104.2
		11	820	395537	812499	X	1620	SAND	1		105.0
18/11/2014	2911	1	821	395634	812478	X	1620	SAND	2		97.9
		2	822	395592	812494	X	1620	SAND	2		98.8
		3	823	395580	812499	X	1620	SAND	2		98.7
		4	824	395562	812503	X	1620	SAND	2		96.6
		5	825	395553	812509	X	1620	SAND	2		97.2
21/11/2014	2950	1	826	395605	812570	X	1640	SAND	3		98.3
		2	827	395584	812566	X	1640	SAND	3		103.4
		3	828	395567	812571	X	1640	SAND	3		98.9
		4	829	395569	812547	X	1640	SAND	3		96.4
		5	830	395604	812535	X	1640	SAND	3		99.8
		6	831	395593	812513	X	1640	SAND	3		99.4
		7	832	395570	812520	X	1640	SAND	3		98.8
		8	833	395553	812509	X	1640	SAND	3		100.8
		9	834	395580	812499	X	1640	SAND	3		99.0
26/11/2014	2994	1	835	395605	812570	X	1640	SAND	4		98.2
		2	836	395584	812566	X	1640	SAND	4		97.0
		3	837	395567	812571	X	1640	SAND	4		97.6
		4	838	395569	812547	X	1640	SAND	4		98.2
		5	839	395580	812542	X	1640	SAND	4		99.0

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		6	840	395604	812535	X	1640	SAND	4		98.2
		7	841	395593	812513	X	1640	SAND	4		97.0
		8	842	395580	812499	X	1640	SAND	4		98.4
		9	843	395570	812520	X	1640	SAND	4		99.1
28/11/2014	3020	1	858	395644	812565	X	1620	SAND	4		103.0
		2	859	395662	812565	X	1620	SAND	4		103.2
		3	860	395677	812563	X	1620	SAND	4		103.7
16/12/2014	3194	A	889	395388	812557	W	1600	SAND	1		95.8
		B	890	395412	812557	W	1600	SAND	1		108.9
		C	891	395453	812552	W	1600	SAND	1		102.5
		D	892	395476	812552	X	1600	SAND	1		104.9
17/12/2014	3217	1	893	395388	812557	W	1600	SAND	2		98.2
		2	894	395412	812557	W	1600	SAND	2		97.9
		3	895	395453	812552	W	1600	SAND	2		98.3
		4	896	395476	812552	X	1600	SAND	2		97.9
23/01/2015	170	1	908	395475	812497	X	1600	SAND	1		100.6
		2	909	395481	812464	W	1600	SAND	1		96.4
		3	910	395461	812413	W	1600	SAND	1		96.8
		4	911	395453	812386	W	1600	SAND	1		99.4
		5	912	395470	812441	W	1600	SAND	1		99.9
26/01/2015	179	1	913	395468	812539	X	1600	SAND	1		102.1
		2	914	395477	812521	X	1600	SAND	1		100.7
		3	915	395483	812497	X	1600	SAND	1		97.7
		4	916	395453	812507	W	1600	SAND	1		100.8
		5	917	395454	812528	W	1600	SAND	1		96.8
		6	918	395444	812543	W	1600	SAND	1		99.8
27/01/2015	194	1	919	395378	812538	W	1600	SAND	1		108.4
		2	920	395380	812520	W	1600	SAND	1		100.8
		3	921	395382	812501	W	1600	SAND	1		100.9
		4	922	395404	812505	W	1600	SAND	1		98.9
		5	923	395403	812522	W	1600	SAND	1		103.4
		6	924	395400	812541	W	1600	SAND	1		103.3
28/01/2015	220	1	925	395523	812251	U	1600	SAND	1		99.7
		2	926	395502	812266	U	1600	SAND	1		101.3
		3	927	395493	812280	U	1600	SAND	1		100.7
		4	928	395482	812295	U	1600	SAND	1		103.5
		5	929	395455	812292	U	1600	SAND	1		105.0
		6	930	395462	812278	U	1600	SAND	1		106.2
		7	931	395469	812265	U	1600	SAND	1		101.8
		8	932	395482	812246	U	1600	SAND	1		100.4
2/02/2015	267	1	933	395555	812309	Y	1600	SAND	1		107.3
		2	934	395536	812300	Y	1600	SAND	1		107.9
		3	935	395520	812326	W	1600	SAND	1		105.7
		4	936	395532	812339	W	1600	SAND	1		106.3
3/02/2015	284	1	937	395430	812346	U	1600	SAND	1		99.6
		2	938	395444	812333	U	1600	SAND	1		101.9
		3	939	395457	812320	U	1600	SAND	1		103.9
		4	940	395472	812306	U	1600	SAND	1		105.6
		5	941	395482	812295	U	1600	SAND	1		102.9
		6	942	395500	812281	U	1600	SAND	1		105.8
		7	943	395502	812266	U	1600	SAND	1		105.6
		8	944	395499	812247	U	1600	SAND	1		103.9
		9	945	395469	812265	U	1600	SAND	1		99.4
		10	946	395462	812278	U	1600	SAND	1		104.9
		11	947	395455	812292	U	1600	SAND	1		102.4
		12	948	395440	812307	U	1600	SAND	1		102.0
		13	949	395425	812324	U	1600	SAND	1		99.4
11/02/2015	347	1	950	395483	812497	X	1600	SAND	2		97.3
		2	951	395477	812521	X	1600	SAND	2		103.2
		3	952	395468	812539	X	1600	SAND	2		99.6
		4	953	395444	812543	W	1600	SAND	2		101.8
		5	954	395454	812528	W	1600	SAND	2		102.5
		6	955	395453	812507	W	1600	SAND	2		97.8
1/04/2015	909	1	956	395859	812253	Y	1580	SAND	6		101.9
		2	957	395891	812256	Y	1580	SAND	6		100.9
		3	958	395921	812259	Y	1580	SAND	6		103.6
		4	959	395922	812243	Y	1580	SAND	6		99.9
		5	960	395923	812219	Y	1580	SAND	6		106.2
		6	961	395925	812200	Y	1580	SAND	6		101.9

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
30/03/2015	860	1	962	395537	812442	X	1580	SAND	3		97.8
		2	963	395521	812458	X	1580	SAND	3		95.0
		3	964	395501	812474	X	1580	SAND	3		99.6
		4	965	395481	812464	W	1580	SAND	3		111.3
		5	966	395495	812450	W	1580	SAND	3		104.4
		6	967	395509	812436	W	1580	SAND	3		98.8
		7	968	395526	812421	W	1580	SAND	3		101.3
		8	969	395542	812408	W	1580	SAND	3		98.0
		9	970	395553	812426	X	1580	SAND	3		100.6
2/04/2015	924	1	971	395553	812509	X	1580	SAND	2		101.1
		2	972	395537	812499	X	1580	SAND	2		97.2
31/03/2015	886	1	973	395859	812253	Y	1580	SAND	5		113.1
		2	974	395891	812256	Y	1580	SAND	5		112.5
		3	975	395921	812259	Y	1580	SAND	5		105.1
		4	976	395922	812243	Y	1580	SAND	5		99.7
		5	977	395923	812219	Y	1580	SAND	5		104.9
		6	978	395925	812200	Y	1580	SAND	5		98.8
10/04/2015	992	1	979	395570	812488	X	1580	SAND	3		102.1
		2	980	395562	812470	X	1580	SAND	3		101.6
		3	981	395555	812491	X	1580	SAND	3		106.0
		4	982	395553	812509	X	1580	SAND	4		104.2
		5	983	395537	812499	X	1580	SAND	4		107.7
10/04/2015	990	1	984	395511	812597	X	1580	SAND	6		102.0
		2	985	395530	812599	X	1580	SAND	6		99.4
		3	986	395548	812600	X	1580	SAND	6		97.9
		4	987	395569	812597	X	1580	SAND	6		97.2
		5	988	395586	812597	X	1580	SAND	6		98.0
		6	989	395606	812596	X	1580	SAND	6		98.1
		7	990	395625	812594	X	1580	SAND	6		99.4
		8	991	395644	812592	X	1580	SAND	6		96.5
		9	992	395664	812591	X	1580	SAND	6		99.3
		10	993	395681	812590	X	1580	SAND	6		100.0
29/04/2015	1175	1	994	395557	812339	W	1580	SAND	2		103.2
		2	995	395567	812356	W	1580	SAND	2		106.2
		3	996	395580	812373	W	1580	SAND	2		104.7
		4	997	395592	812394	X	1580	SAND	2		106.6
		5	998	395603	812410	X	1580	SAND	2		105.5
		6	999	395608	812422	X	1580	SAND	2		101.6
		7	1000	395618	812438	X	1580	SAND	2		108.1
		8	1001	395628	812458	X	1580	SAND	2		106.7
		9	1002	395634	812478	X	1580	SAND	2		108.2
		10	1003	395642	812495	X	1580	SAND	2		107.9
		11	1004	395662	812520	X	1580	SAND	2		106.4
		12	1005	395677	812547	X	1580	SAND	2		109.1
21/04/2015	1085	1	1006	395570	812488	X	1580	SAND	5		111.0
		2	1007	395562	812470	X	1580	SAND	5		102.8
		3	1008	395555	812491	X	1580	SAND	5		103.7
		4	1009	395537	812499	X	1580	SAND	5		101.7
		5	1010	395553	812509	X	1580	SAND	5		99.9
5/05/2015	1227	1	1011	395557	812339	W	1580	SAND	4		102.9
		2	1012	395567	812356	W	1580	SAND	4		103.7
		3	1013	395580	812373	W	1580	SAND	4		104.4
		4	1014	395592	812394	X	1580	SAND	4		102.5
		5	1015	395608	812422	X	1580	SAND	4		101.5
		6	1016	395618	812438	X	1580	SAND	4		99.9
		7	1017	395628	812458	X	1580	SAND	4		103.0
		8	1018	395634	812478	X	1580	SAND	4		103.6
		9	1019	395642	812495	X	1580	SAND	4		104.7
		10	1020	395662	812520	X	1580	SAND	4		102.4
		11	1021	395645	812526	X	1580	SAND	4		102.5
		12	1022	395644	812547	X	1580	SAND	4		109.7
		13	1023	395661	812547	X	1580	SAND	4		109.7
		14	1024	395677	812547	X	1580	SAND	4		102.9
5/05/2015	1228	1	1025	395548	812285	Y	1580	SAND	1		100.3
		2	1026	395563	812291	Y	1580	SAND	1		103.7
		3	1027	395577	812299	Y	1580	SAND	1		99.5
		4	1028	395570	812255	Y	1580	SAND	1		98.3
6/05/2015	1245	1	1029	395548	812285	Y	1580	SAND	2		106.4
		2	1030	395563	812291	Y	1580	SAND	2		104.6

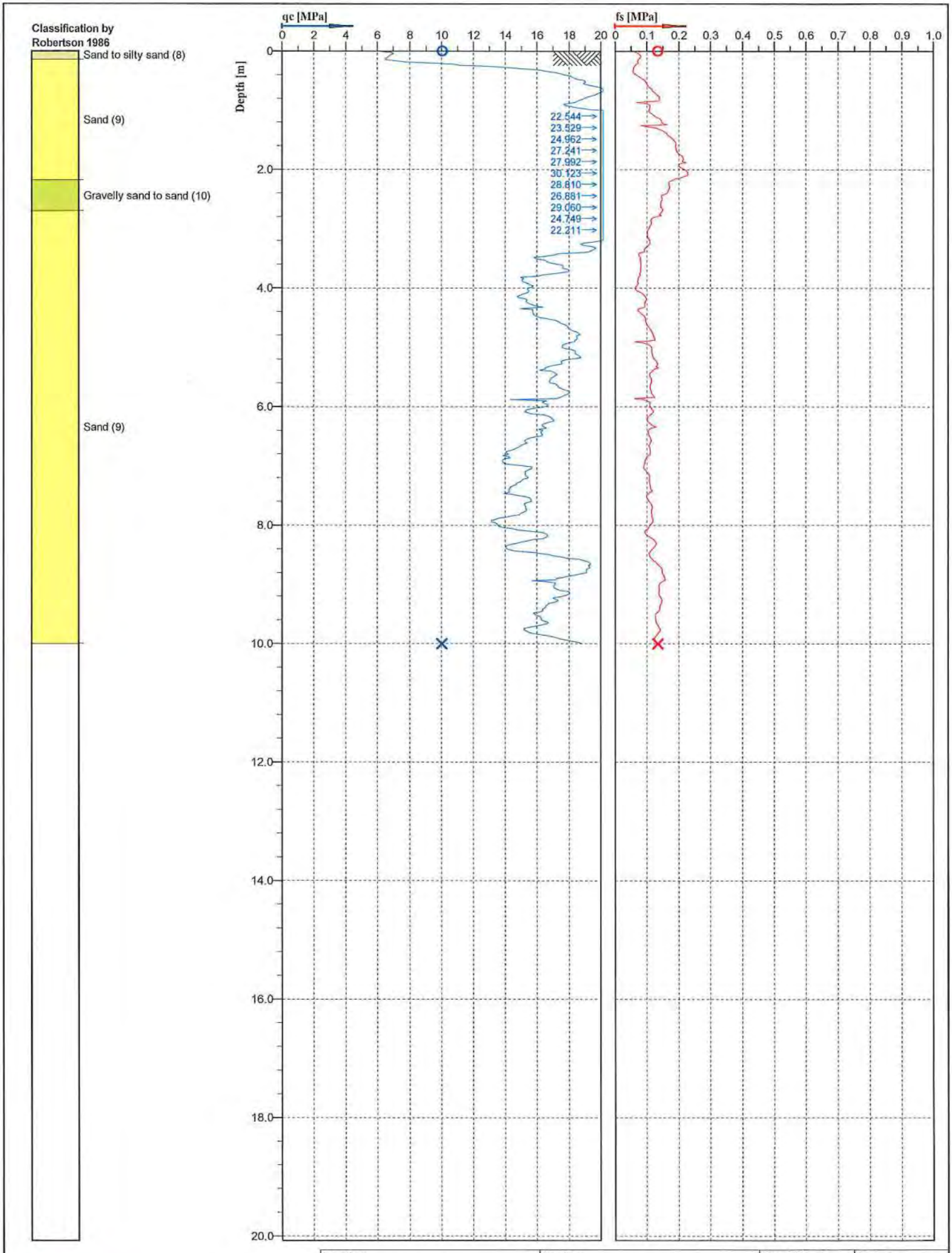
Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		3	1031	395577	812299	Y	1580	SAND	2		104.1
		4	1032	395610	812304	Y	1580	SAND	2		101.6
1/05/2015	1190	1	1033	395557	812339	W	1580	SAND	3		114.9
		2	1034	395567	812356	W	1580	SAND	3		102.5
		3	1035	395580	812373	W	1580	SAND	3		102.2
		4	1036	395592	812394	X	1580	SAND	3		100.4
		5	1037	395603	812410	X	1580	SAND	3		103.0
		6	1038	395608	812422	X	1580	SAND	3		99.9
		7	1039	395618	812438	X	1580	SAND	3		106.2
		8	1040	395628	812458	X	1580	SAND	3		101.7
		9	1041	395634	812478	X	1580	SAND	3		105.0
		10	1042	395642	812495	X	1580	SAND	3		103.6
		11	1043	395662	812520	X	1580	SAND	3		106.8
		12	1044	395677	812547	X	1580	SAND	3		103.6
28/04/2015	1167	1	1045	395532	812312	W	1580	SAND	1		106.3
		2	1046	395544	812322	W	1580	SAND	1		105.4
		3	1047	395557	812339	W	1580	SAND	1		114.3
		4	1048	395567	812356	W	1580	SAND	1		104.2
		5	1049	395580	812373	W	1580	SAND	1		106.2
		6	1050	395592	812394	X	1580	SAND	1		101.1
		7	1051	395608	812422	X	1580	SAND	1		105.7
		8	1052	395618	812438	X	1580	SAND	1		102.0
		9	1053	395628	812458	X	1580	SAND	1		102.2
		10	1054	395634	812478	X	1580	SAND	1		103.9
		11	1055	395642	812495	X	1580	SAND	1		101.3
		12	1056	395662	812520	X	1580	SAND	1		102.2
		13	1057	395677	812547	X	1580	SAND	1		99.7
12/05/2015	1332	1	1058	395688	812589	X	1580	SAND	1		104.3
13/05/2015	1345	1	1059	395688	812589	X	1580	SAND	2		102.2
14/05/2015	1371	1	1060	395688	812589	X	1580	SAND	3		105.8
14/05/2015	1370	1	1061	395557	812339	W	1580	SAND	5		102.1
		2	1062	395567	812356	W	1580	SAND	5		104.4
		3	1063	395580	812373	W	1580	SAND	5		101.2
		4	1064	395592	812394	X	1580	SAND	5		104.8
		5	1065	395603	812410	X	1580	SAND	5		100.0
		6	1066	395608	812422	X	1580	SAND	5		102.5
		7	1067	395618	812438	X	1580	SAND	5		102.3
		8	1068	395628	812458	X	1580	SAND	5		100.6
		9	1069	395634	812478	X	1580	SAND	5		102.0
		10	1070	395642	812495	X	1580	SAND	5		104.8
		11	1071	395662	812520	X	1580	SAND	5		103.9
		12	1072	395677	812547	X	1580	SAND	5		102.3
		13	1073	395677	812563	X	1580	SAND	5		102.0
19/05/2015	1422	1	1074	395593	812300	Y	1580	SAND	2		100.2
		2	1075	395688	812589	X	1580	SAND	6		107.1
13/05/2015	1346	1	1076	395548	812285	Y	1580	SAND	3		108.0
		2	1077	395563	812291	Y	1580	SAND	3		103.9
		3	1078	395591	812318	Y	1580	SAND	3		97.7
		4	1079	395570	812255	Y	1580	SAND	3		106.9
		5	1080	395588	812263	Y	1580	SAND	1		100.3
		6	1081	395610	812265	Y	1580	SAND	1		103.2
14/05/2015	1390	1	1082	395570	812255	X	1580	SAND	2		106.0
		2	1083	395588	812263	X	1580	SAND	2		99.5
		3	1084	395591	812318	X	1580	SAND	2		105.4
18/05/2015	1402	1	1086	395593	812300	Y	1580	SAND	3		105.2
		2	1087	395610	812304	Y	1580	SAND	1		101.8
		3	1088	395610	812265	Y	1580	SAND	1		107.0
		4	1089	395626	812267	Y	1580	SAND	1		103.4
		5	1090	395688	812589	X	1580	SAND	5		106.1
20/05/2015	1435	1	1091	395627	812305	Y	1580	SAND	1		97.9
		2	1092	395643	812306	Y	1580	SAND	1		103.4
		3	1093	395662	812308	Y	1580	SAND	1		99.0
		4	1094	395678	812308	Y	1580	SAND	1		103.1
		5	1095	395697	812310	Y	1580	SAND	1		104.2
		6	1096	395644	812269	Y	1580	SAND	1		99.6
		7	1097	395660	812270	Y	1580	SAND	1		98.7
19/05/2015	1431	1	1098	395570	812255	Y	1580	SAND	3		104.4
		2	1099	395588	812263	Y	1580	SAND	3		102.3
		3	1100	395610	812265	Y	1580	SAND	2		100.8

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		4	1101	395626	812267	Y	1580	SAND	2		103.2
22/05/2015	1471	1	1102	395898	812165	Y	1580	SAND	1		97.5
		2	1103	395895	812182	Y	1580	SAND	1		100.8
		3	1104	395894	812199	Y	1580	SAND	1		106.8
		4	1105	395892	812214	Y	1580	SAND	1		103.5
25/05/2015	1484	1	1106	395892	812214	Y	1580	SAND	2		100.1
		2	1107	395894	812199	Y	1580	SAND	2		99.7
		3	1108	395895	812182	Y	1580	SAND	2		101.6
		4	1109	395898	812165	Y	1580	SAND	2		107.0
25/05/2015	1495	1	1110	395892	812214	Y	1580	SAND	3		103.2
		2	1111	395894	812199	Y	1580	SAND	3		103.0
		3	1112	395895	812182	Y	1580	SAND	3		104.3
		4	1113	395898	812165	Y	1580	SAND	3		101.5
3/06/2015	1592	1	1114	395892	812214	Y	1580	SAND	4		101.6
		2	1115	395894	812199	Y	1580	SAND	4		102.7
		3	1116	395895	812182	Y	1580	SAND	4		105.6
		4	1117	395898	812165	Y	1580	SAND	4		116.0
26/05/2015	1496	1	1118	395677	812272	Y	1580	SAND	1		101.8
		2	1119	395678	812308	Y	1580	SAND	1		105.0
9/06/2015	1628	1	1120	395627	812305	Y	1580	SAND	2		106.0
		2	1121	395643	812306	Y	1580	SAND	2		103.4
		3	1122	395662	812308	Y	1580	SAND	1		103.9
		4	1123	395678	812308	Y	1580	SAND	1		109.6
		5	1124	395697	812310	Y	1580	SAND	1		102.9
		6	1125	395714	812308	Y	1580	SAND	1		100.6
		7	1126	395742	812312	Y	1580	SAND	1		98.7
10/06/2015	1633	1	1127	395626	812267	Y	1580	SAND	2		103.3
		2	1128	395644	812269	Y	1580	SAND	2		101.7
		3	1129	395660	812270	Y	1580	SAND	1		99.2
		4	1130	395677	812272	Y	1580	SAND	1		102.4
		5	1131	395696	812275	Y	1580	SAND	1		103.3
		6	1132	395711	812277	Y	1580	SAND	1		100.7
12/06/2015	1662	1	1133	395773	812317	Y	1580	SAND	1		103.1
		2	1134	395792	812317	Y	1580	SAND	1		106.5
		3	1135	395810	812317	Y	1580	SAND	1		101.7
15/06/2015	1663	1	1136	395773	812317	Y	1580	SAND	2		99.5
		2	1137	395792	812317	Y	1580	SAND	2		99.4
		3	1138	395810	812317	Y	1580	SAND	2		99.0
29/07/2015	2147	1	1161	395827	812205	Y	1640	SAND	1		99.8
		2	1162	395794	812203	Y	1640	SAND	1		95.6
		3	1163	395798	812159	Y	1640	SAND	1		103.4
		4	1164	395812	812160	Y	1640	SAND	1		96.8
		5	1165	395829	812160	Y	1640	SAND	1		99.4
		6	1166	395844	812162	Y	1640	SAND	1		97.3
3/08/2015	2169	1	1167	395570	812255	Y	1640	SAND	4		99.0
		2	1168	395588	812263	Y	1640	SAND	4		100.0
		3	1169	395892	812214	Y	1640	SAND	5		92.5
		4	1170	395894	812199	Y	1640	SAND	5		96.8
		5	1171	395895	812182	Y	1640	SAND	5		94.5
		6	1172	395898	812165	Y	1640	SAND	5		94.4
15/08/2015	2470	1	1173	395794	812203	Y	1600	SAND	2		99.9
		2	1174	395827	812205	Y	1600	SAND	2		103.0
		3	1175	395798	812159	Y	1600	SAND	2		102.6
		4	1176	395812	812160	Y	1600	SAND	2		102.1
		5	1177	395829	812160	Y	1600	SAND	2		100.7
		6	1178	395844	812162	Y	1600	SAND	2		104.4
21/09/2015	2519	1	1179	395789	812336	Y	1600	SAND	1		102.0
		2	1180	395807	812337	Y	1600	SAND	1		100.0
		3	1181	395827	812339	Y	1600	SAND	1		102.0
22/09/2015	2531	1	1182	395789	812336	Y	1600	SAND	2		100.0
		2	1183	395807	812337	Y	1600	SAND	2		100.0
		3	1184	395827	812339	Y	1600	SAND	2		105.0
28/09/2015	2555	1	1185	395755	812314	Y	1600	SAND	3		106.0
		2	1186	395773	812317	Y	1600	SAND	3		106.0
		3	1187	395789	812336	Y	1600	SAND	3		106.0
		4	1188	395807	812337	Y	1600	SAND	3		106.0
		5	1189	395827	812339	Y	1600	SAND	3		110.0
		6	1190	395862	812163	Y	1600	SAND	3		105.0
		7	1191	395844	812162	Y	1600	SAND	3		103.0

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		8	1192	395829	812160	Y	1600	SAND	3		110.0
		9	1193	395812	812160	Y	1600	SAND	3		109.0
		10	1194	395798	812159	Y	1600	SAND	3		105.0
14/10/2015	2732	1	1195	395772	812201	Y	1600	SAND	1		100.0
		2	1196	395748	812157	Y	1600	SAND	1		100.0
		3	1197	395763	812158	Y	1600	SAND	1		98.0
14/10/2015	2742	1	1198	395772	812201	Y	1600	SAND	2		99.0
		2	1199	395748	812157	Y	1600	SAND	2		98.0
		3	1200	395763	812158	Y	1600	SAND	2		99.0
19/10/2015	2776	1	1207	395585	812191	Y	1600	SAND	1		106.0
		2	1208	395586	812159	Y	1780	SAND	1		101.0
		3	1209	395603	812160	Y	1780	SAND	1		99.0
20/10/2015	2806	1	1210	395640	812190	Y	1600	SAND	1		103.0
		2	1211	395672	812192	Y	1600	SAND	1		102.0
		3	1212	395710	812196	Y	1600	SAND	1		102.0
		4	1213	395754	812201	Y	1600	SAND	1		109.0
		5	1214	395748	812157	Y	1600	SAND	1		106.0
		6	1215	395721	812170	Y	1600	SAND	1		107.0
		7	1216	395704	812169	Y	1600	SAND	1		99.0
		8	1217	395687	812168	Y	1600	SAND	1		102.0
		9	1218	395672	812167	Y	1600	SAND	1		102.0
		10	1219	395657	812165	Y	1600	SAND	1		109.0
		11	1220	395641	812163	Y	1600	SAND	1		102.0
		12	1221	395624	812161	Y	1600	SAND	1		101.0
5/11/2015	2950	1	1222	395640	812190	Y	1600	SAND	2		97.0
		2	1223	395672	812192	Y	1600	SAND	2		96.0
		3	1224	395710	812196	Y	1600	SAND	2		96.0
		4	1225	395754	812201	Y	1600	SAND	2		96.0
6/11/2015	2964	1	1226	395624	812161	Y	1600	SAND	2		98.0
		2	1227	395641	812163	Y	1600	SAND	2		94.0
		3	1228	395657	812165	Y	1600	SAND	2		96.0
1/11/2016	2494	1	1236	395449	812613	W1	1690	SAND	1		103.0
		2	1237	395468	812610	X1	1610	SAND	1		98.0
		3	1238	395487	812607	X1	1690	SAND	1		103.0
7/11/2016	2548	1	1239	395460	812486	W1	1740	SAND	FINAL		106.0
		2	1240	395453	812507	W1	1780	SAND	FINAL		108.0
		3	1241	395454	812528	W1	1660	SAND	FINAL		101.0
		4	1242	395477	812521	X1	1810	SAND	FINAL		110.0
		5	1243	395483	812497	X1	1710	SAND	FINAL		104.0
		6	1244	395467	812552	X1	1610	SAND	FINAL		98.0
		7	1245	395463	812573	X1	1640	SAND	FINAL		100.0
		8	1246	395440	812574	W1	1650	SAND	FINAL		100.0
4/11/2016	2540	1	1247	395501	812474	X1	1700	SAND	FINAL		104.0
		2	1248	395521	812458	X1	1730	SAND	FINAL		106.0
		3	1249	395495	812450	W2	1800	SAND	FINAL		109.0
		4	1250	395481	812464	W2	1760	SAND	FINAL		107.0
31/10/2016	2480	1	1251	395495	812450	W2	1640	SAND	1		98.0
		2	1252	395481	812464	W2	1640	SAND	1		99.0
		3	1253	395501	812474	X1	1640	SAND	1		103.0
		4	1254	395521	812458	X1	1640	SAND	1		102.0
10/11/2016	2597	1	1255	395542	812408	W2	1680	SAND	FINAL		102.0
		2	1256	395526	812421	W2	1620	SAND	FINAL		99.0
		3	1257	395509	812436	W2	1660	SAND	FINAL		101.0
		4	1258	395537	812442	X1	1720	SAND	FINAL		105.0
		5	1259	395553	812426	X2	1660	SAND	FINAL		101.0
4/11/2016	2535	1	1260	395449	812613	W1	1630	SAND	FINAL		96.0
		2	1261	395468	812610	X1	1670	SAND	FINAL		102.0
		3	1262	395487	812607	X1	1710	SAND	FINAL		104.0
17/11/2016	2627	1	1263	395463	812573	X1	1670	SAND	FINAL		102.0
		2	1264	395440	812574	W1	1630	SAND	FINAL		100.0
		3	1265	395417	812620	W1	1700	SAND	FINAL		104.0
13/10/2016	2328	1	1266	No Data	No Data	W3	1700	SAND	FINAL		104.0
		2	1267	No Data	No Data	W3	1700	SAND	FINAL		96.0
		3	1268	No Data	No Data	W3	1700	SAND	FINAL		96.0
		4	1269	No Data	No Data	W2	1700	SAND	FINAL		97.0
		5	1270	No Data	No Data	W2	1700	SAND	FINAL		97.0
		6	1271	No Data	No Data	W2	1700	SAND	FINAL		102.0
17/11/2016	2627/16	1	1272	No Data	No Data	W1	1640	SAND	FINAL		102.0
		2	1273	No Data	No Data	X1	1640	SAND	FINAL		100.0

Date	Test ID#	Test #	Unique ID#	mE	mN	Stage	MDD	Type	Lift #	Retest	Compaction
		3	1274	No Data	No Data	W1	1640	SAND	FINAL		104.0
2/12/2016	2761/16	1	1275	395429	812273	W3	1640	SAND	FINAL		99.0
4/11/2016	2535/16	1	1286	No Data	No Data	W1	1640	SAND	FINAL		96.0
		2	1287	No Data	No Data	X1	1640	SAND	FINAL		102.0
		3	1288	No Data	No Data	X1	1640	SAND	FINAL		104.0
10/11/2016	2597/16	1	1289	No Data	No Data	W2	1640	SAND	FINAL		102.0
		2	1290	No Data	No Data	W2	1640	SAND	FINAL		99.0
		3	1291	No Data	No Data	W2	1640	SAND	FINAL		101.0
		4	1292	No Data	No Data	X1	1640	SAND	FINAL		105.0
		5	1293	No Data	No Data	X2	1640	SAND	FINAL		101.0

Appendix I
Post Earthfill CPT Logs

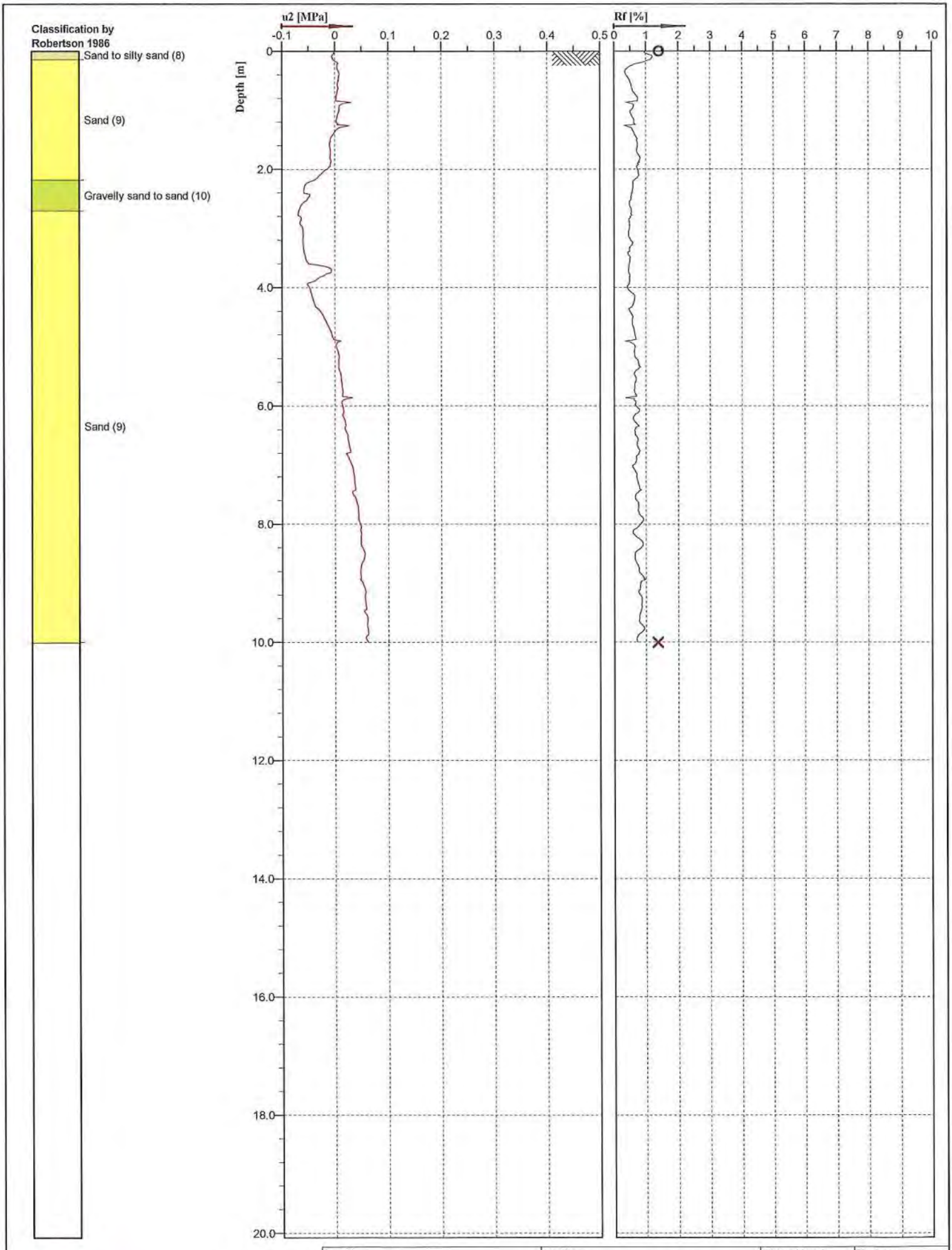


PRO-DRILL
SPECIALIST DRILLING ENGINEERS

U2

Cone No: 4439
Tip area [cm2]: 10
Sleeve area [cm2]: 150

Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test no: PF24
Project ID:	Client: AURECON	Date: 25/11/2014	Scale: 1 : 80
Project: PRESTONS SOUTH		Page: 1/1	Fig:
		File: PrestonsSouthCPTPF24.cpt	

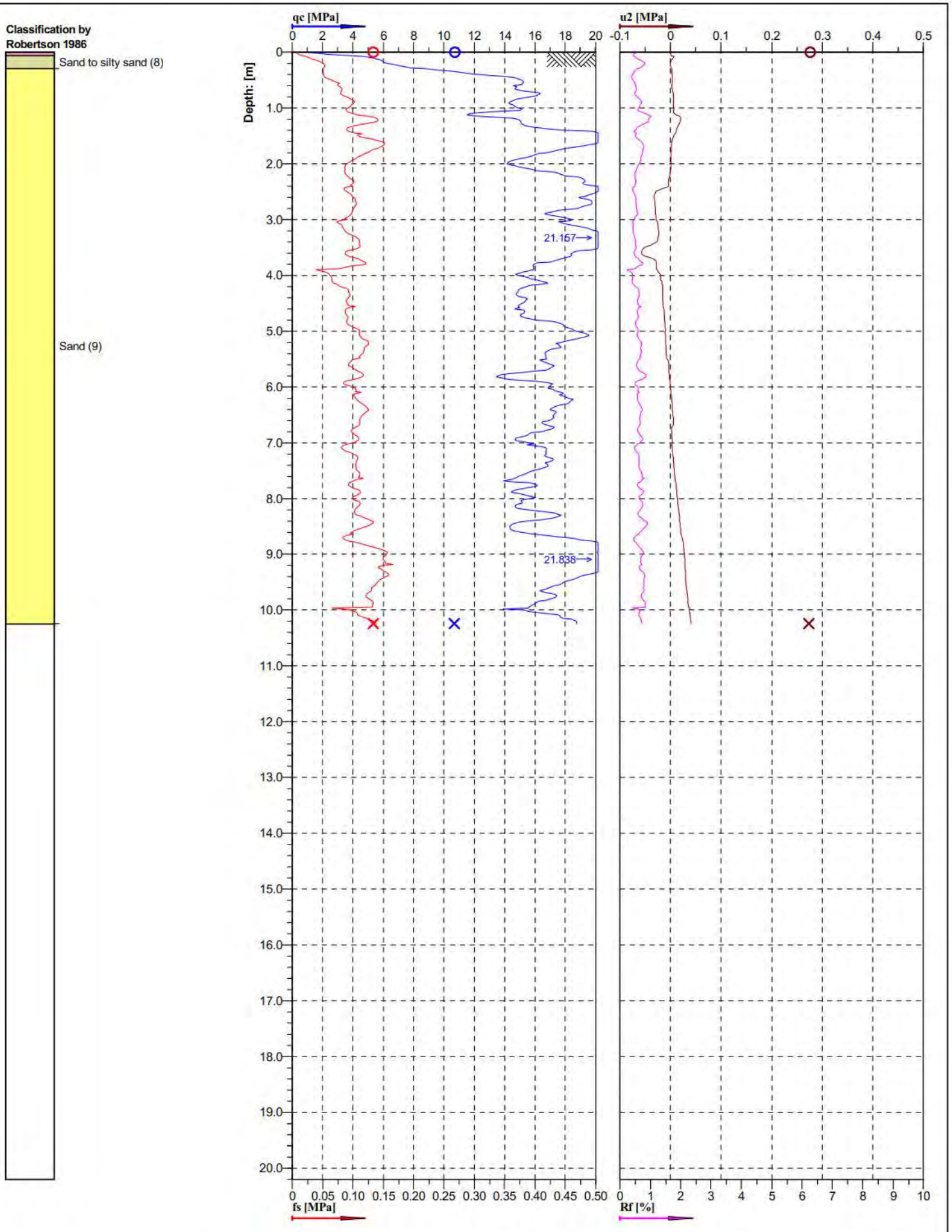


PRO-DRILL
SPECIALIST DRILLING ENGINEERS

U2

Cone No: 4439
Tip area [cm2]: 10
Sleeve area [cm2]: 150

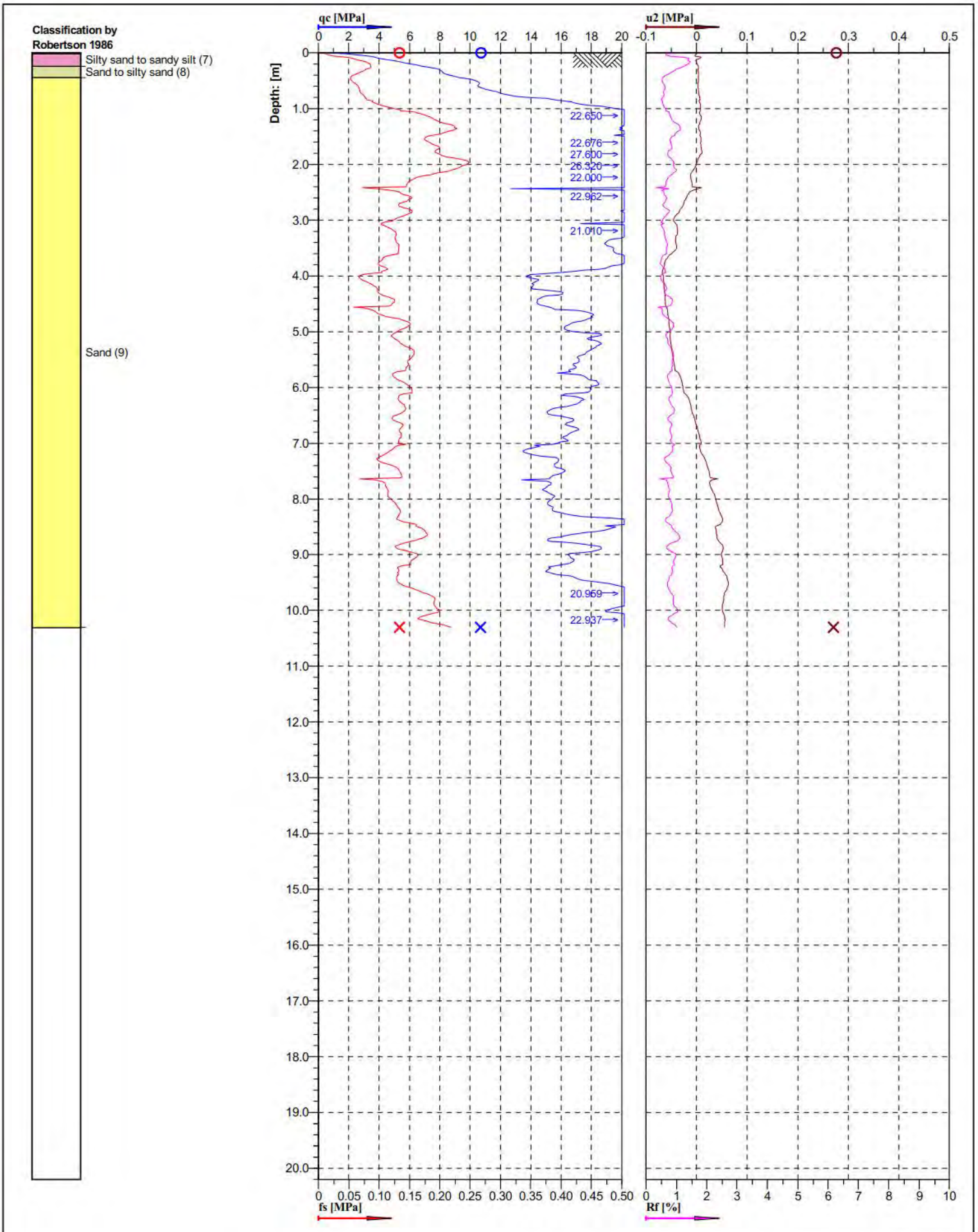
Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test no: PF24
Project ID:	Client: AURECON	Date: 25/11/2014	Scale: 1 : 80
Project: PRESTONS SOUTH		Page: 1/1	Fig:
		File: PrestonsSouthCPTPF24.cpt	



Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0..00	Test No.: CPTPF36
Project ID:	Client: AURECON	Date: 28-06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTPF36.cpt	

PRO-DRILL
SPECIALIST DRILLING ENGINEERS

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

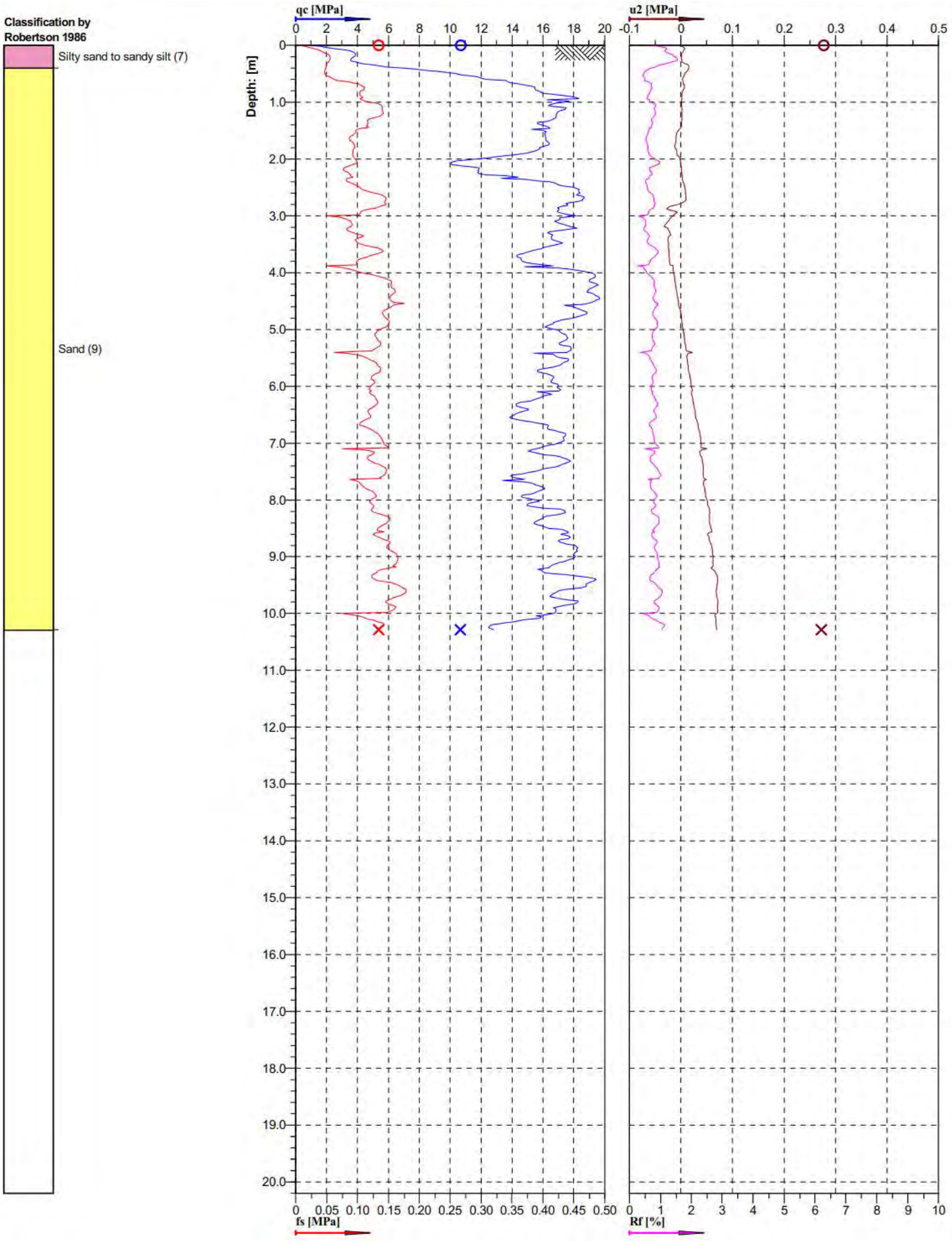


PRO-DRILL
SPECIALIST DRILLING ENGINEERS

u2

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0..00	Test No.: CPTPF37
Project ID:	Client: AURECON	Date: 28/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTPF37.cpt	

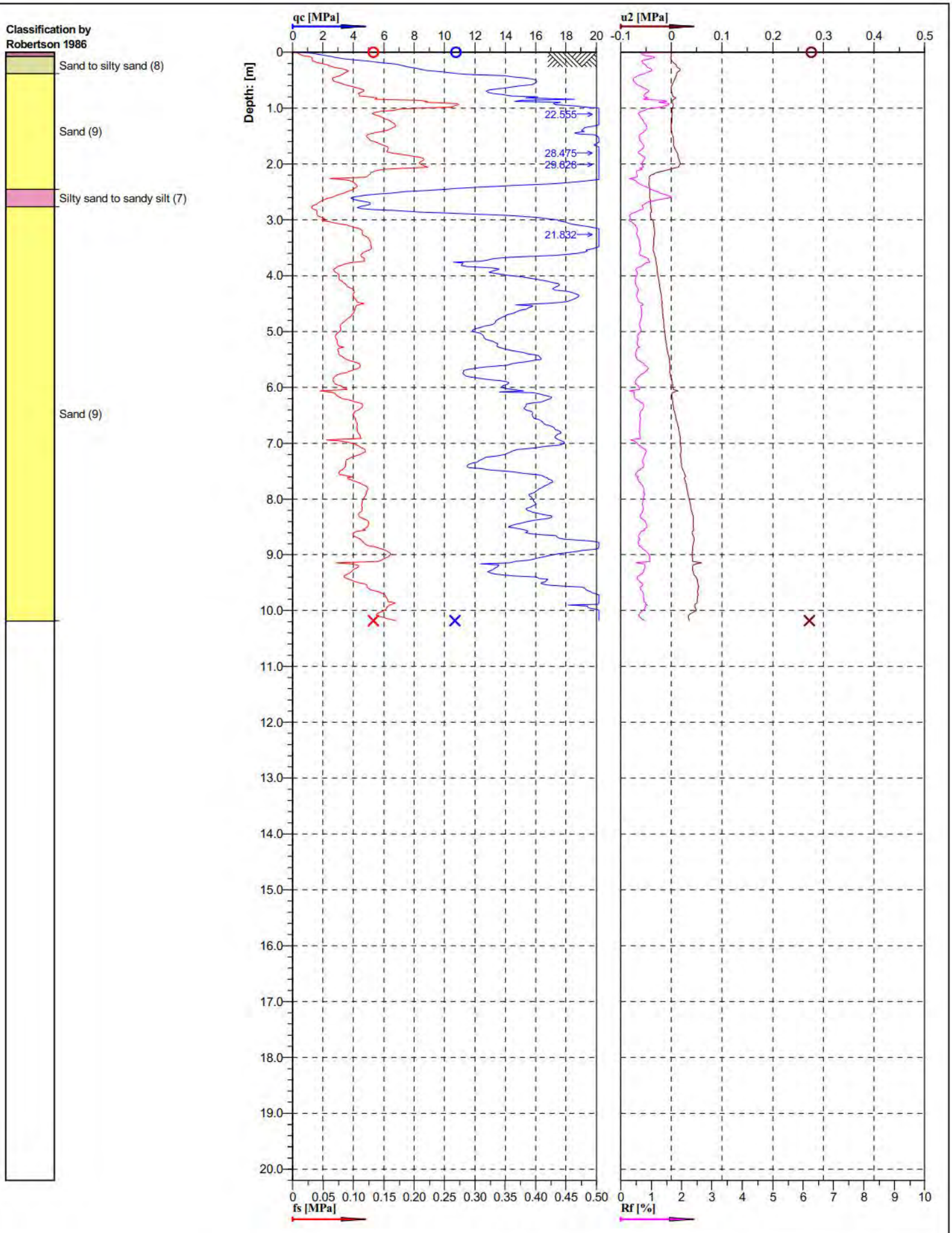


PRO-DRILL
SPECIALIST DRILLING ENGINEERS

u2

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test No.: CPTPF38
Project ID:	Client: AURECON	Date: 28/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTPF38.cpt	

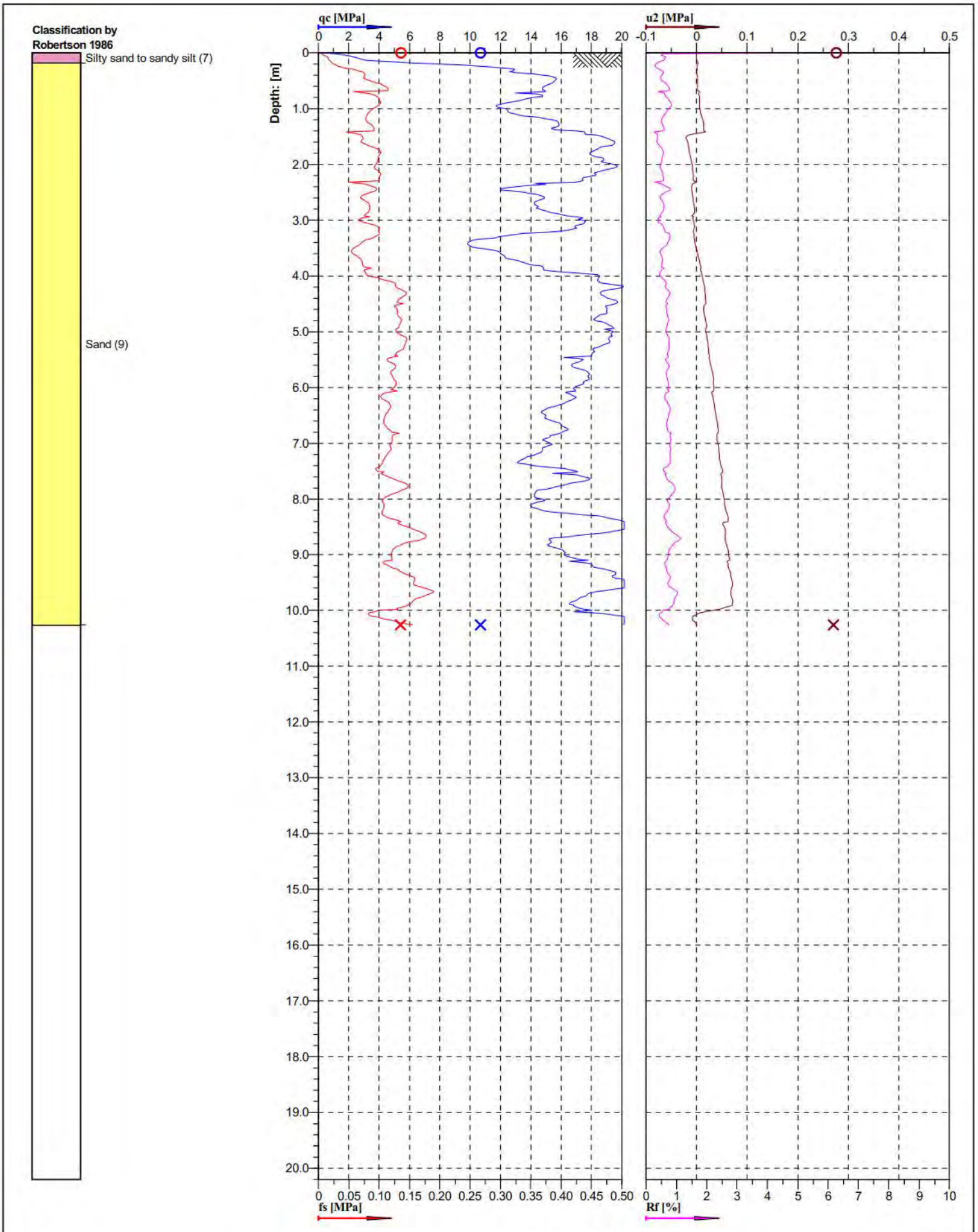


PRO-DRILL
SPECIALIST DRILLING ENGINEERS

u2

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0..00	Test No.: CPTPF39
Project ID:	Client: AURECON	Date: 28/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTPF39.cpt	



PRO-DRILL
SPECIALIST DRILLING ENGINEERS

u2

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0..00	Test No.: CPTPF40
Project ID:	Client: AURECON	Date: 28/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
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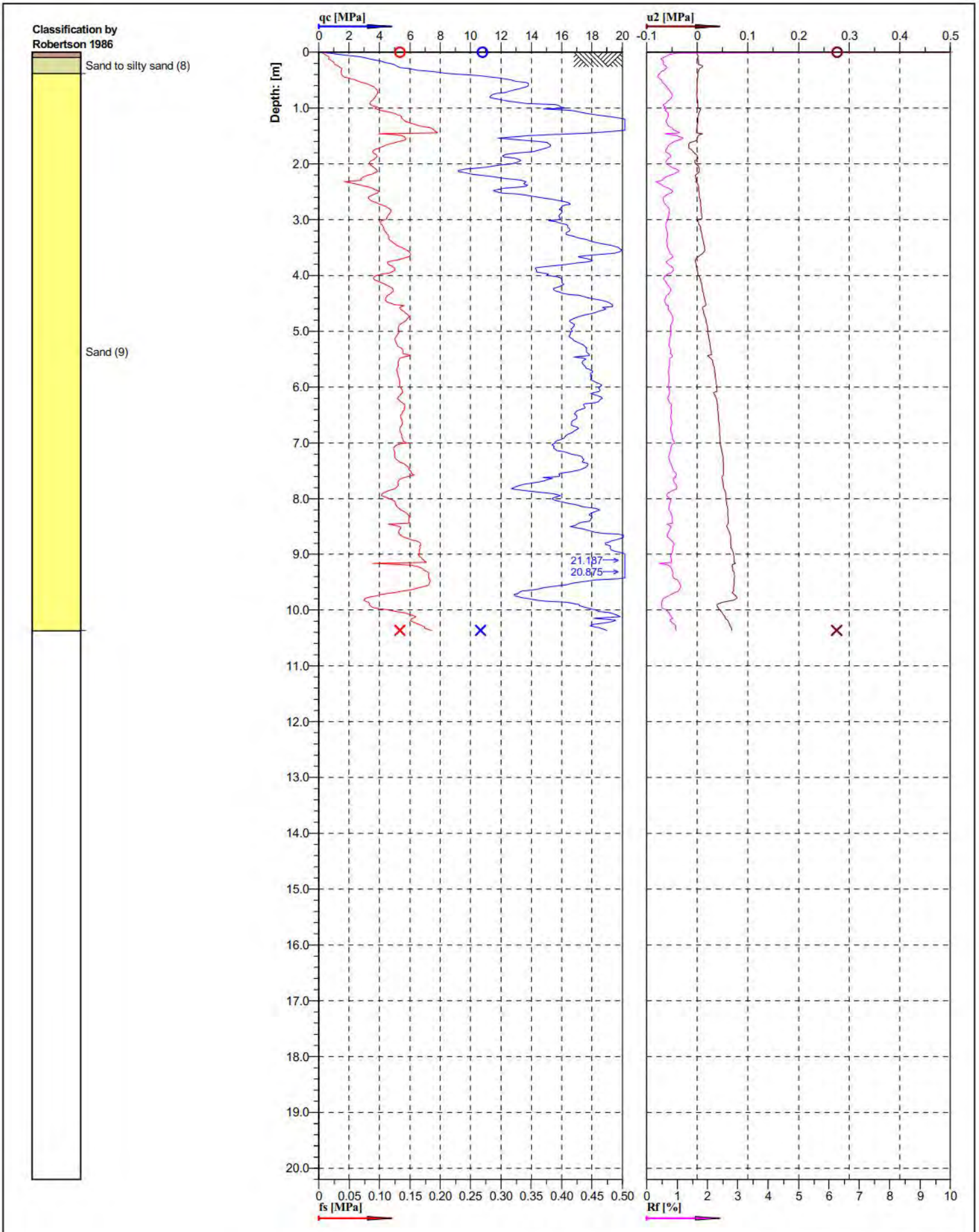
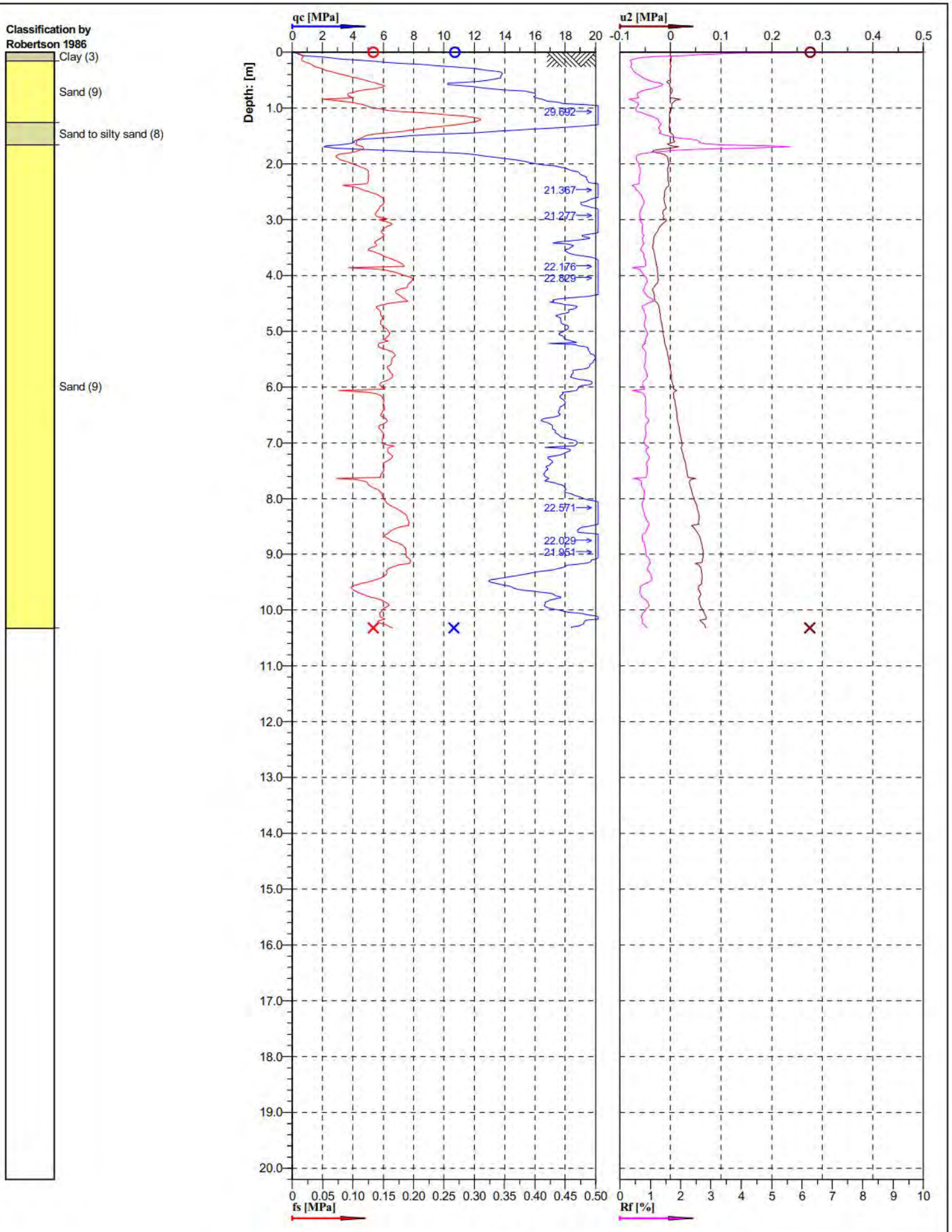


Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0..00	Test No.: CPTPF41
Project ID:	Client: AURECON	Date: 29/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTPF41.cpt	

PRO-DRILL
SPECIALIST DRILLING ENGINEERS

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150



PRO-DRILL
SPECIALIST DRILLING ENGINEERS

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0..00	Test No.: CPTPF42
Project ID:	Client: AURECON	Date: 29/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
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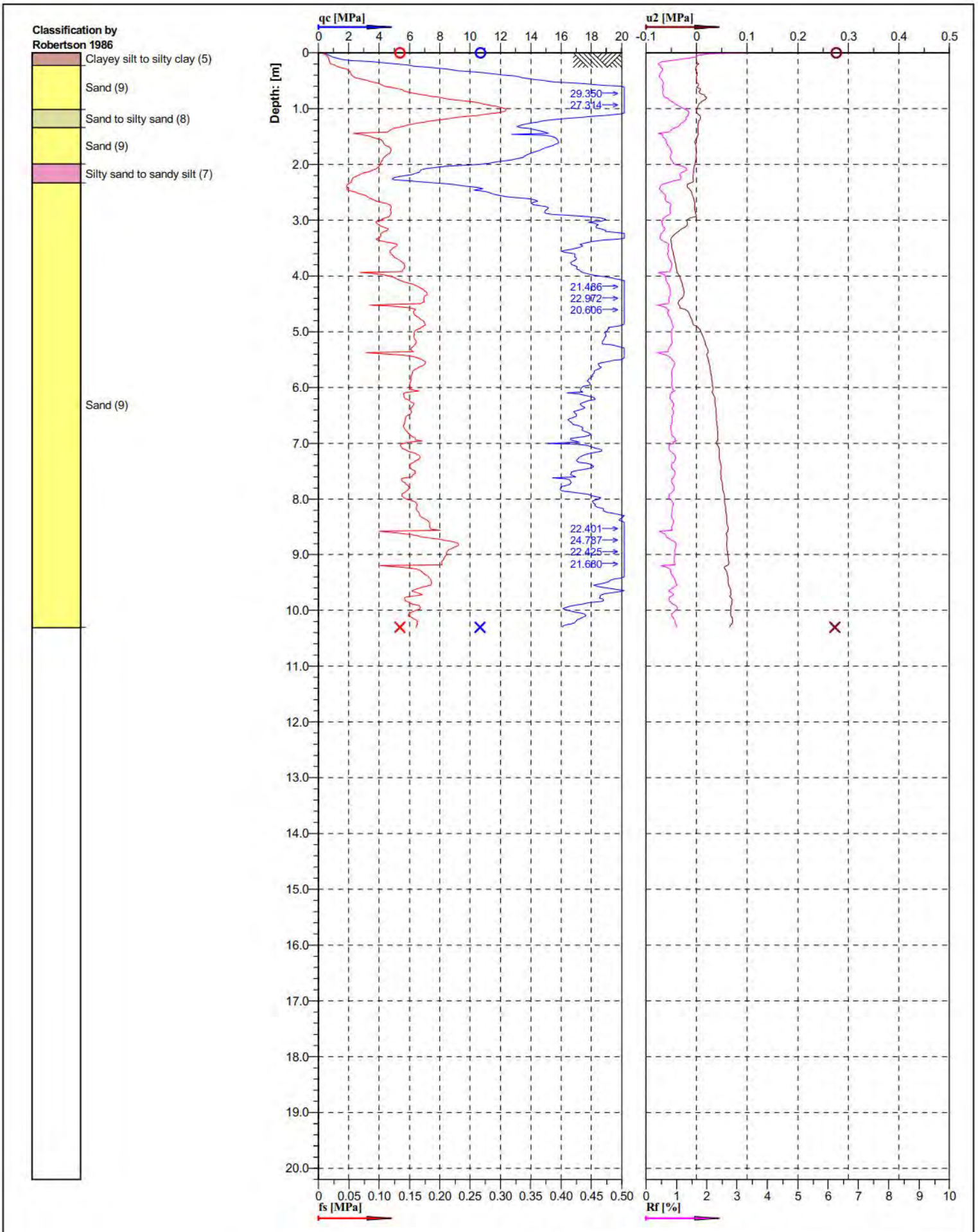
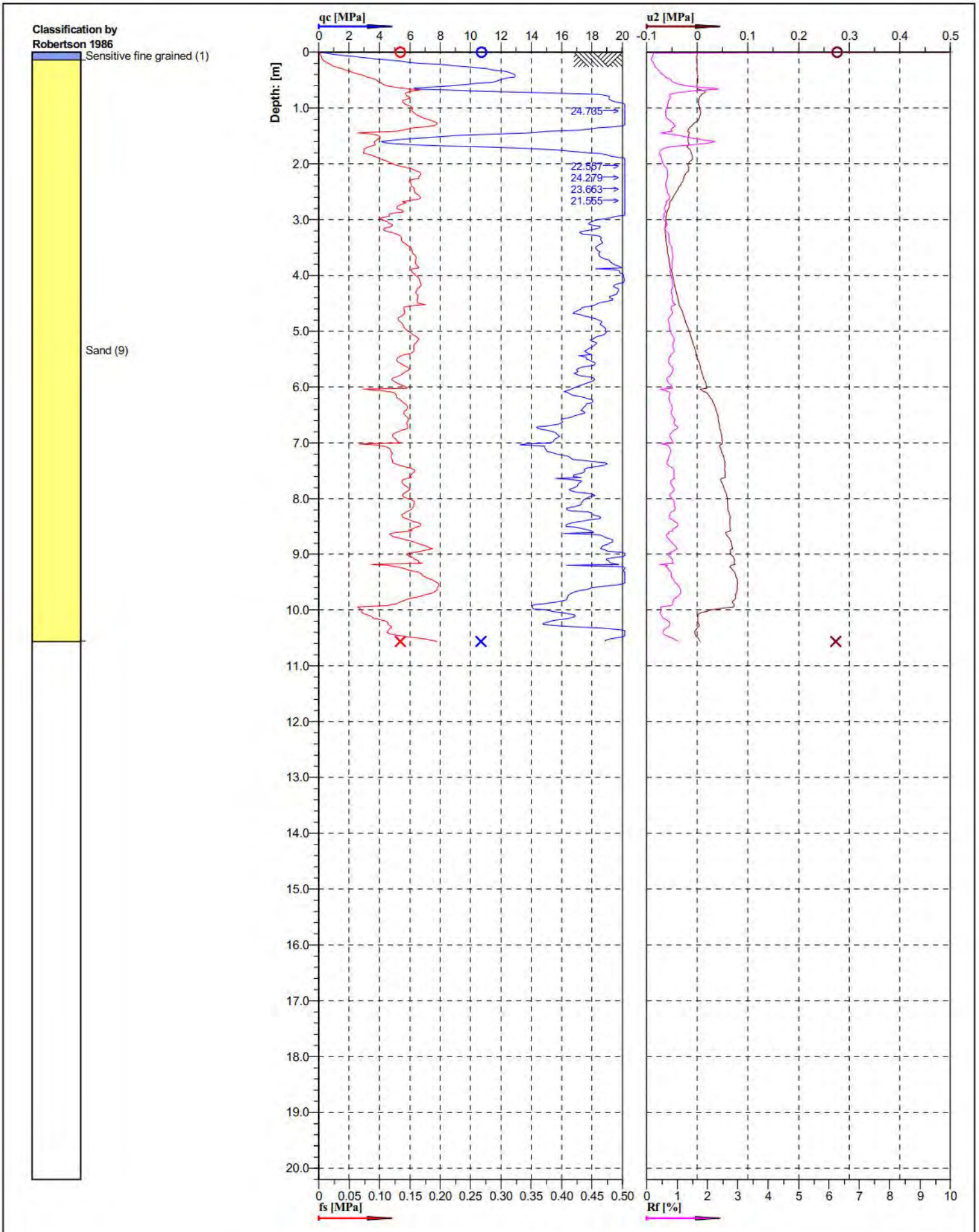


PRO-DRILL
SPECIALIST DRILLING ENGINEERS

u2

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test No.: CPTPF43
Project ID:	Client: AURECON	Date: 28/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTPF43.cpt	

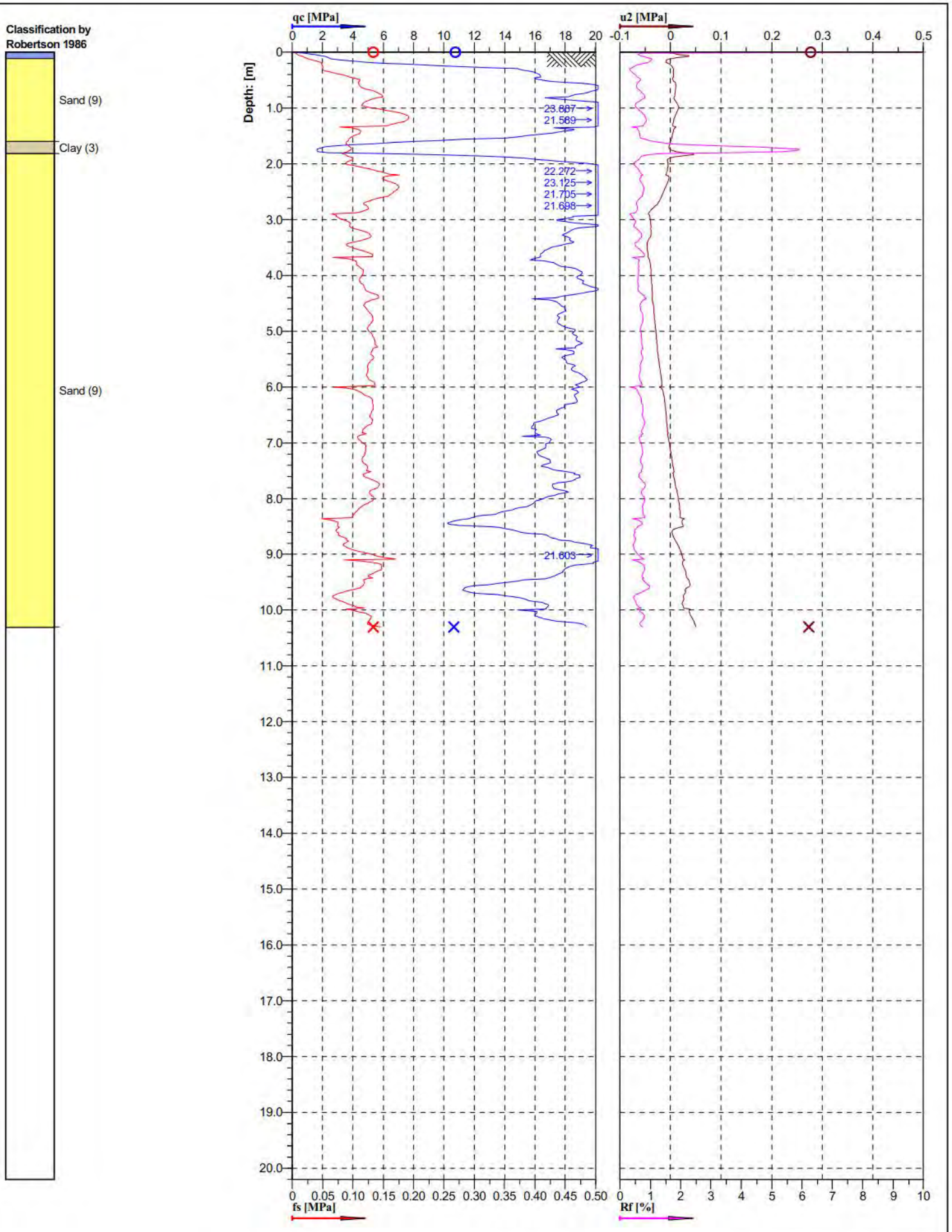


PRO-DRILL
SPECIALIST DRILLING ENGINEERS

u2

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

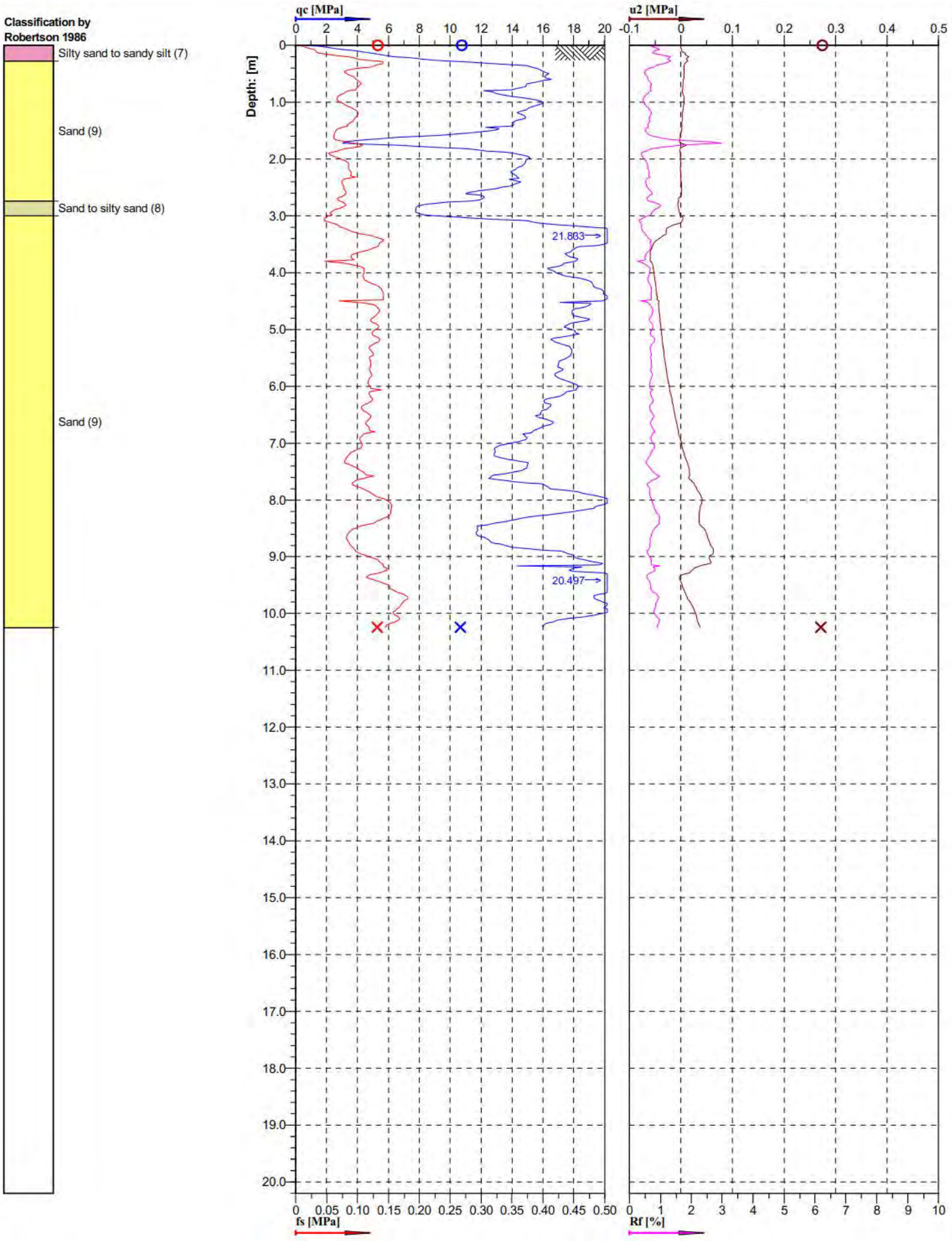
Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0..00	Test No.: CPTPF44
Project ID:	Client: AURECON	Date: 29/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTPF44.cpt	



Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0..00	Test No.: CPTPF45
Project ID:	Client: AURECON	Date: 29/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTPF45.cpt	

PRO-DRILL
SPECIALIST DRILLING ENGINEERS

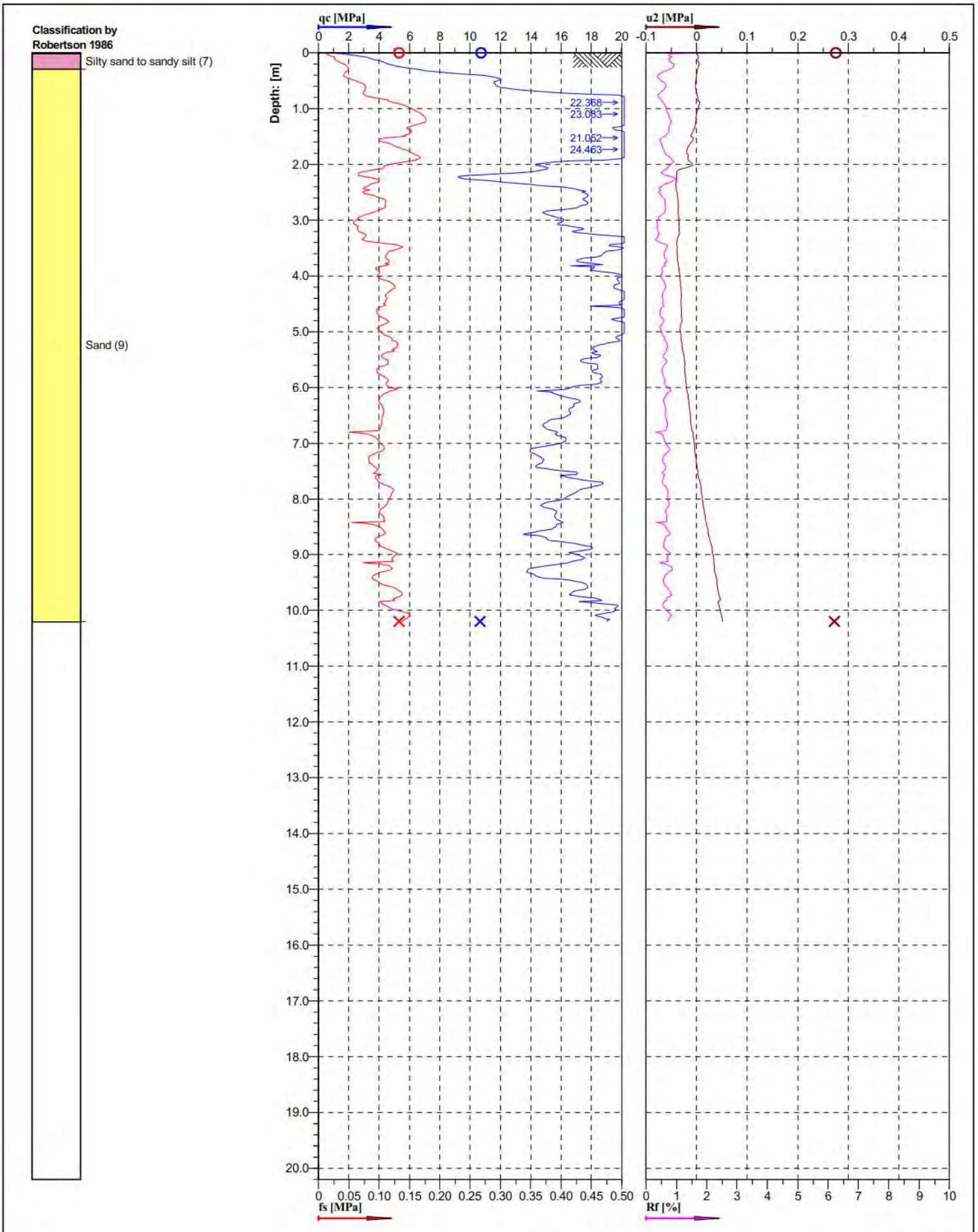
Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150



Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0..00	Test No.: CPTPF46
Project ID:	Client: AURECON	Date: 27/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTPF46.cpt	

PRO-DRILL
SPECIALIST DRILLING ENGINEERS

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

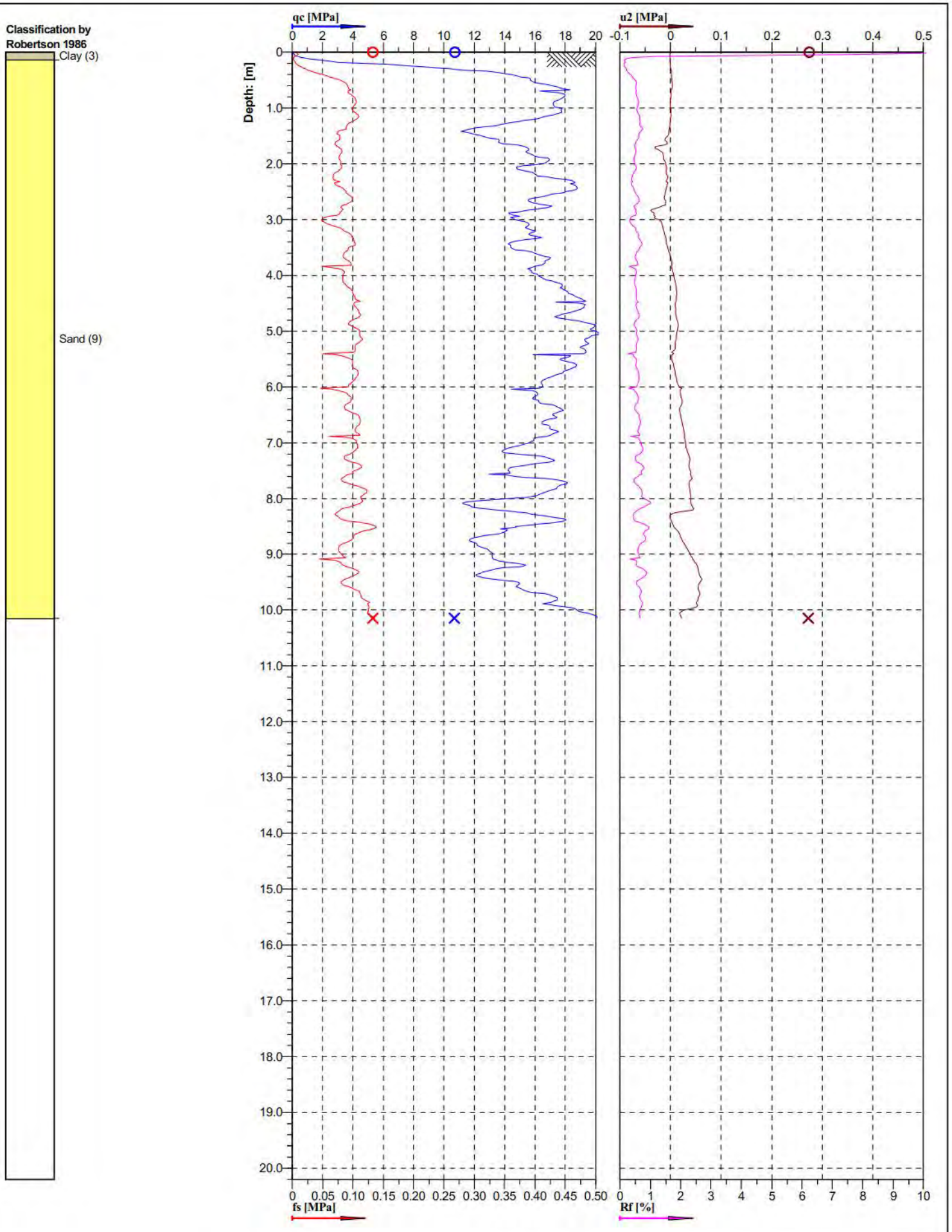


PRO-DRILL
SPECIALIST DRILLING ENGINEERS

u2

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0..00	Test No.: CPTPF47
Project ID:	Client: AURECON	Date: 27/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTPF47.cpt	

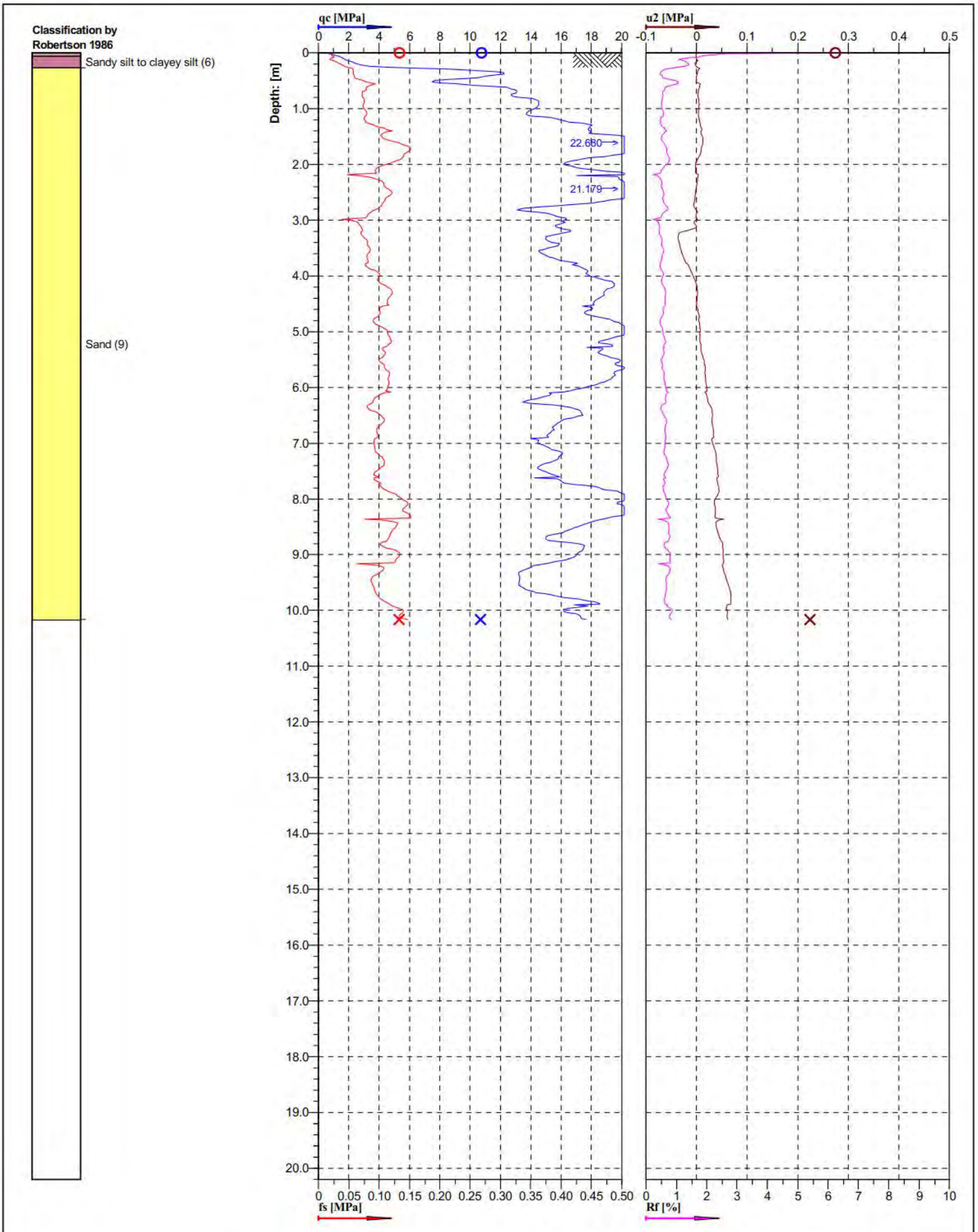


PRO-DRILL
SPECIALIST DRILLING ENGINEERS

u2

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

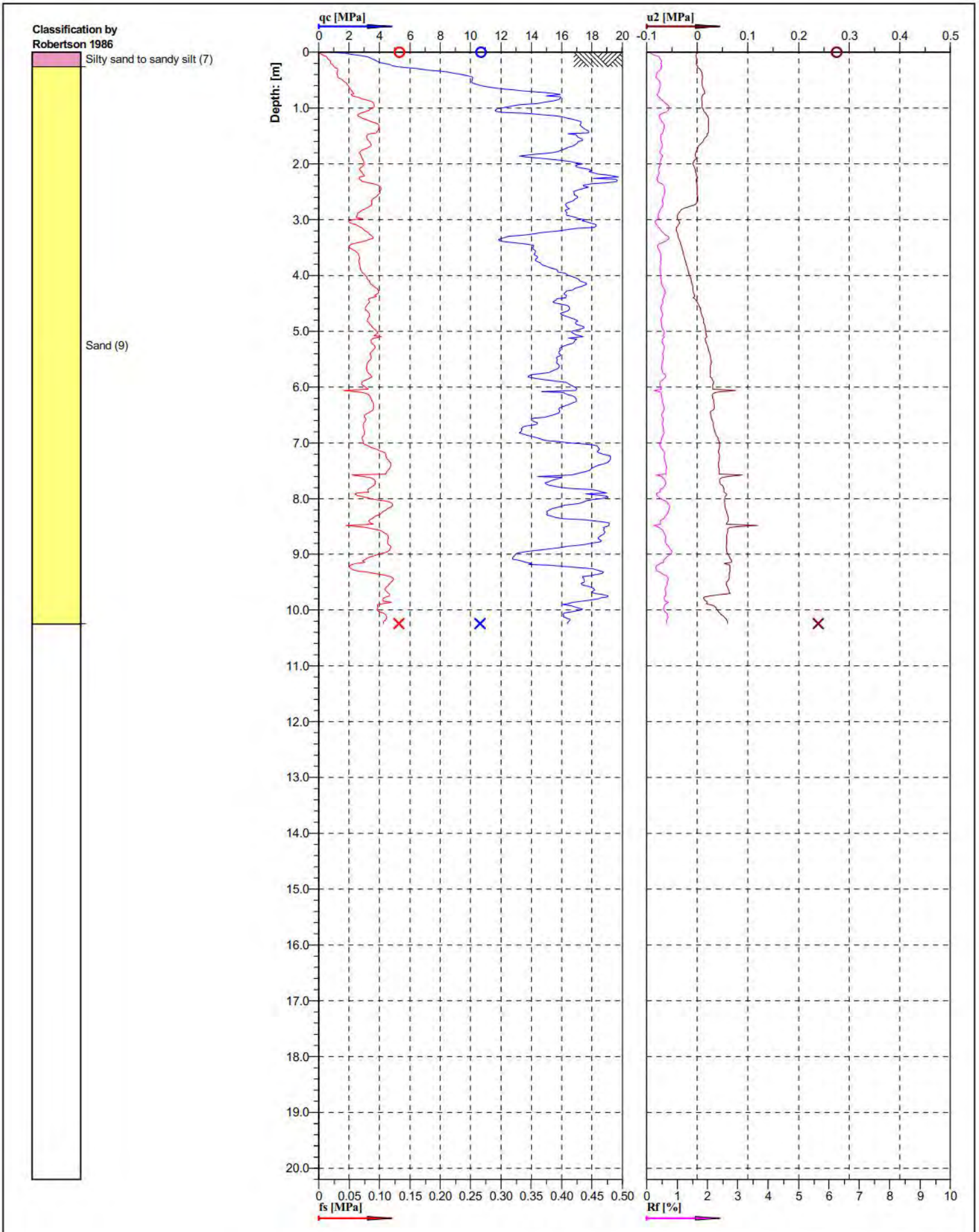
Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0..00	Test No.: CPTPF48
Project ID:	Client: AURECON	Date: 27/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTPF48.cpt	



Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0..00	Test No.: CPTPF49
Project ID:	Client: AURECON	Date: 27/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTPF49.cpt	

PRO-DRILL
SPECIALIST DRILLING ENGINEERS

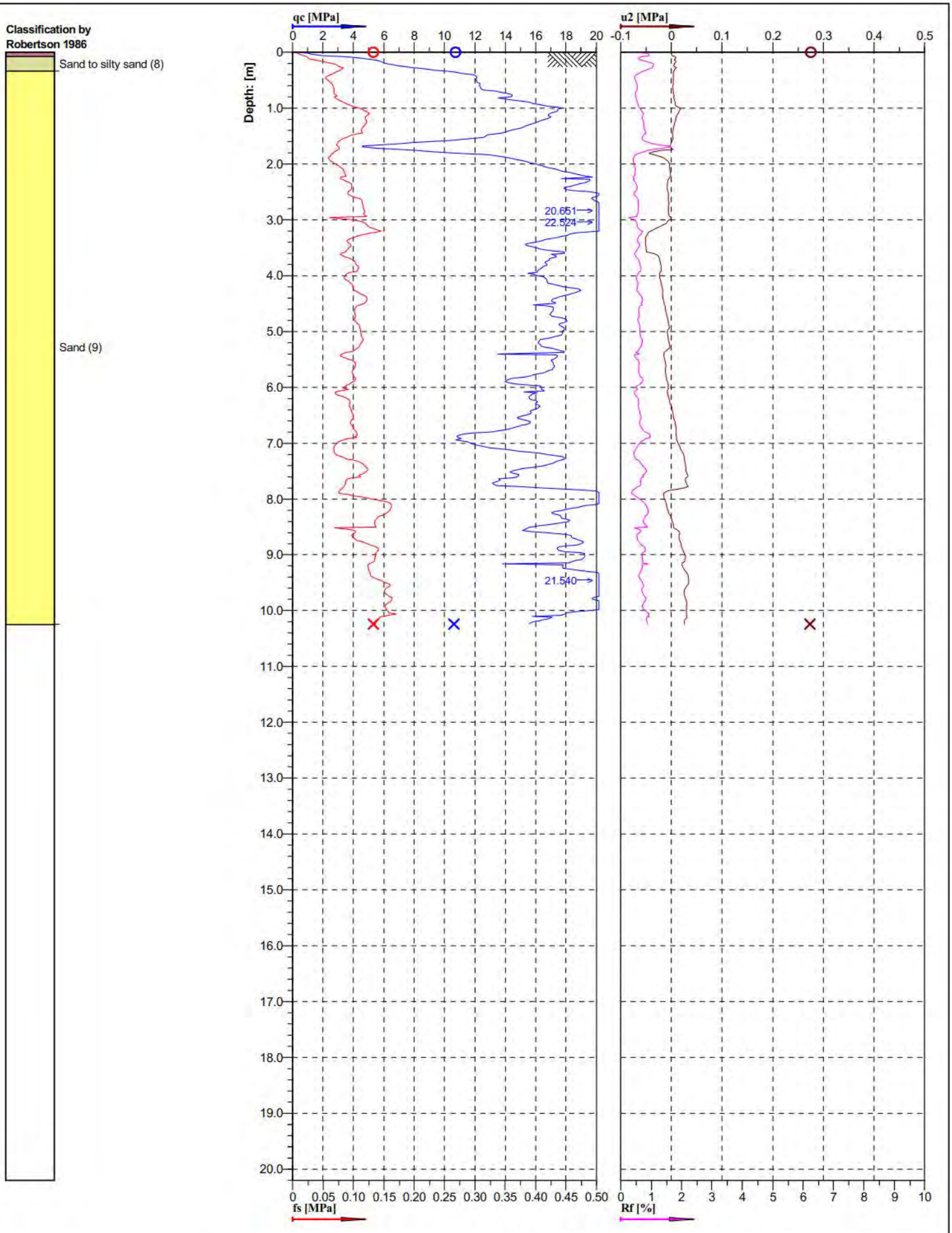
Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150



Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0..00	Test No.: CPTPF50
Project ID:	Client: AURECON	Date: 27/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTPF50.cpt	

PRO-DRILL
SPECIALIST DRILLING ENGINEERS

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

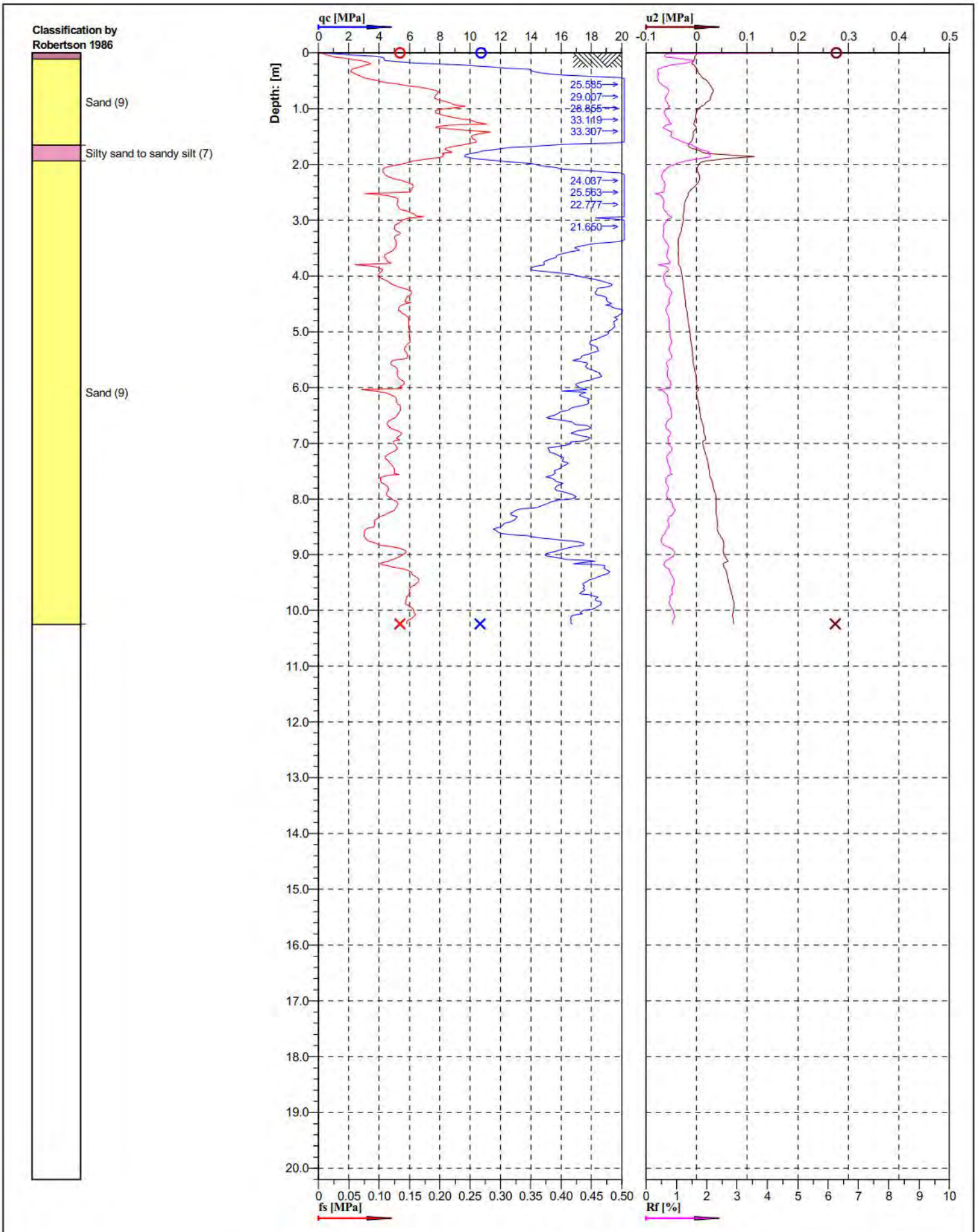


Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0..00	Test No.: CPTPF51
Project ID:	Client: AURECON	Date: 27/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTPF51.cpt	

PRO-DRILL
SPECIALIST DRILLING ENGINEERS

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

Appendix J
Verification CPT Logs

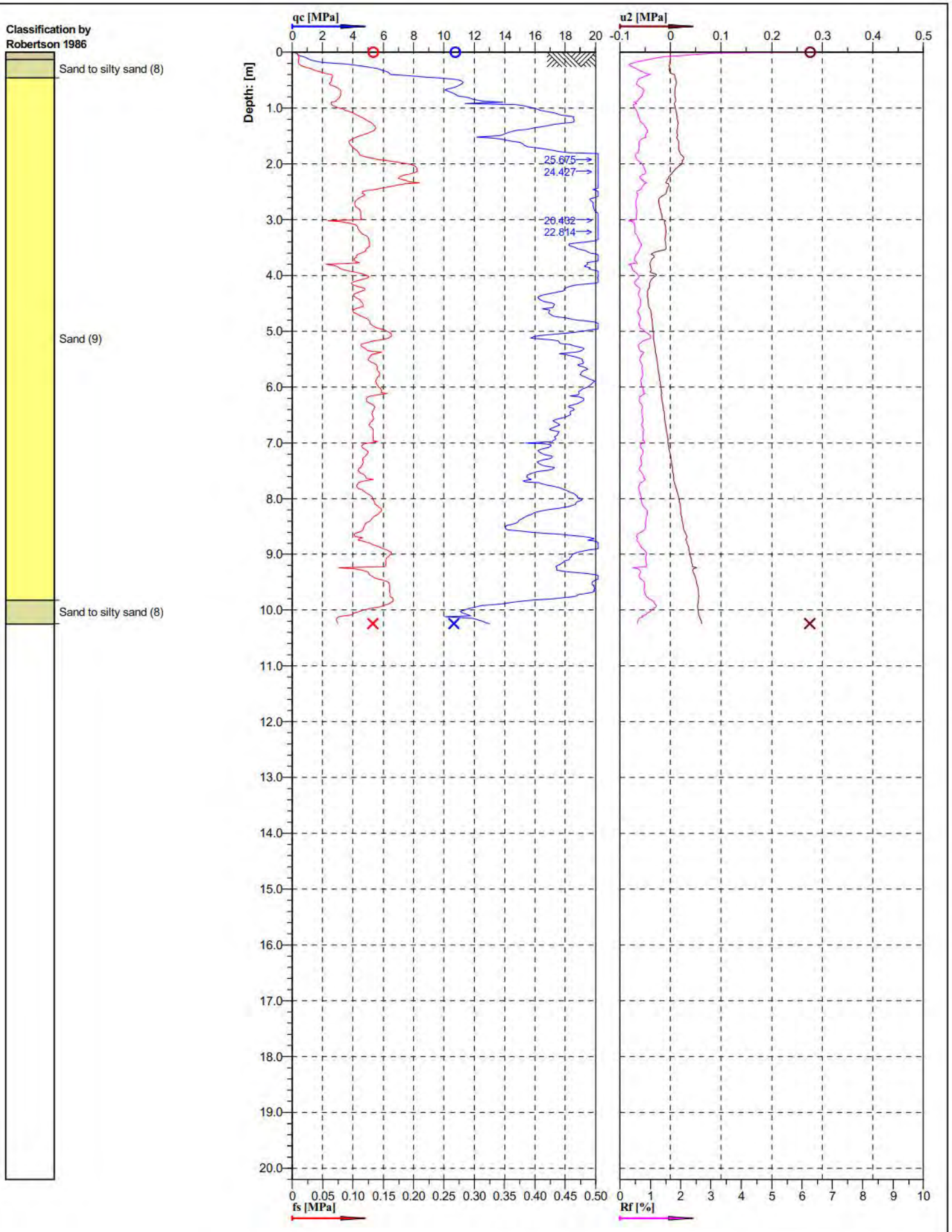


PRO-DRILL
SPECIALIST DRILLING ENGINEERS

u2

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

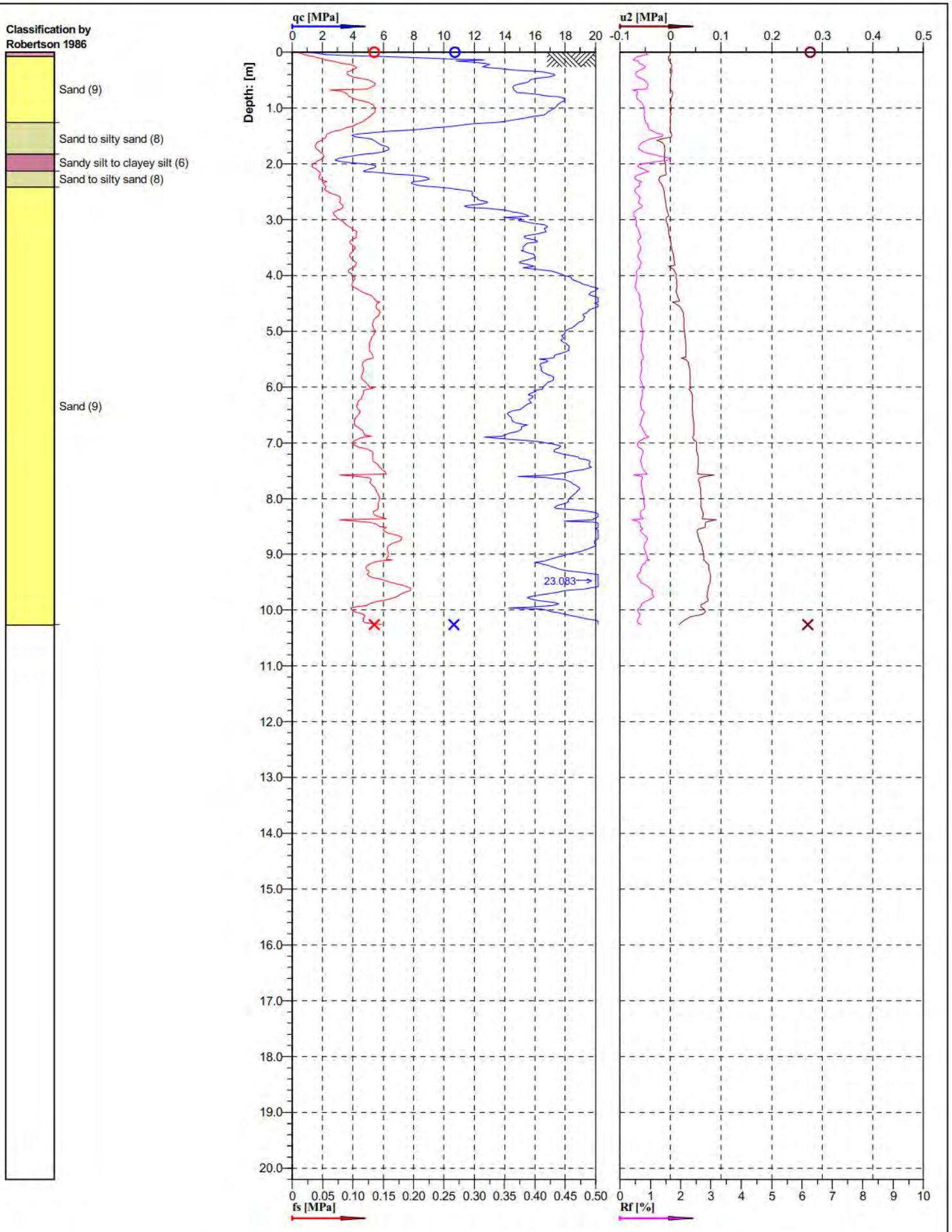
Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test No.: CPTV19
Project ID:	Client: AURECON	Date: 28/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTV19.cpt	



Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test No.: CPTV20
Project ID:	Client: AURECON	Date: 28/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTV20.cpt	

PRO-DRILL
SPECIALIST DRILLING ENGINEERS

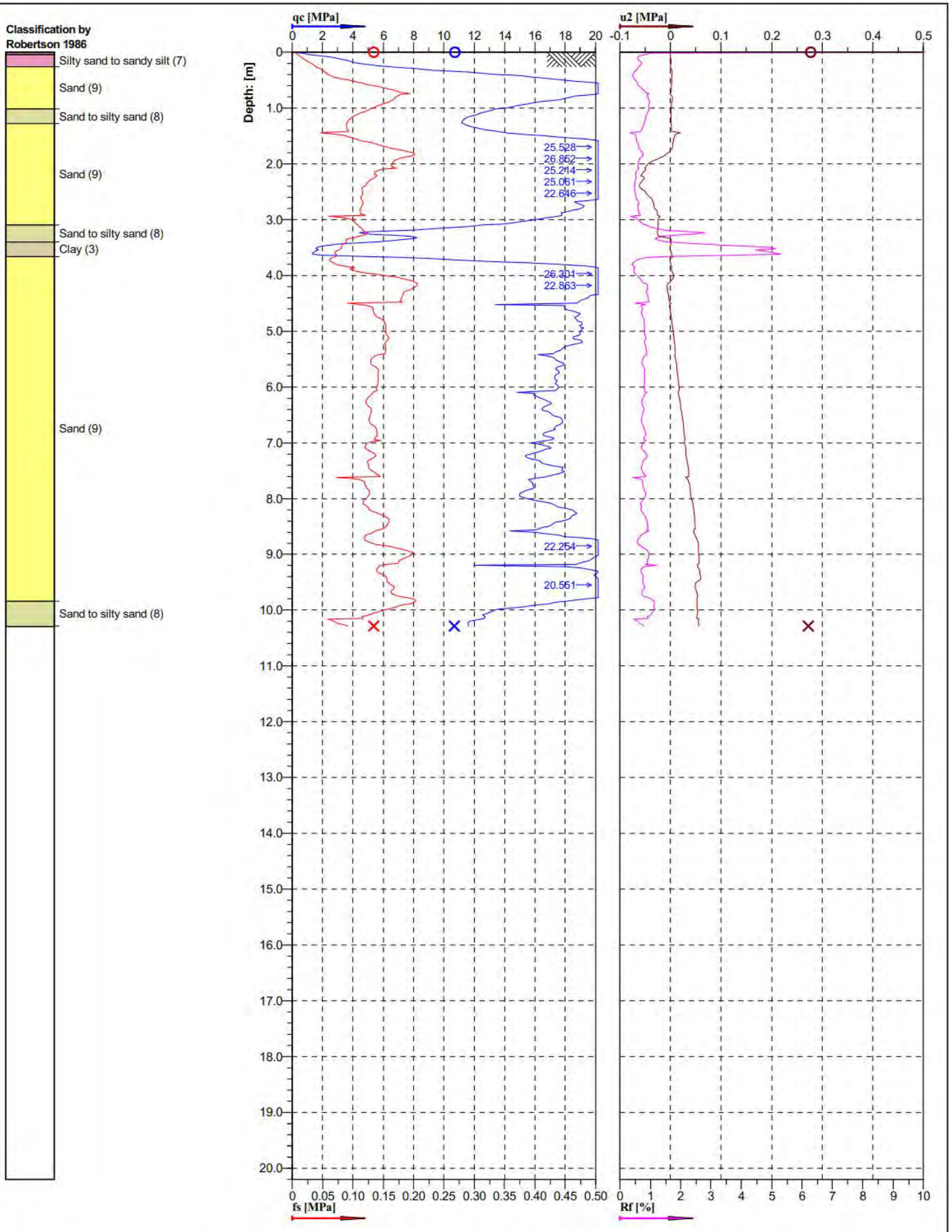
Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150



PRO-DRILL
SPECIALIST DRILLING ENGINEERS

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

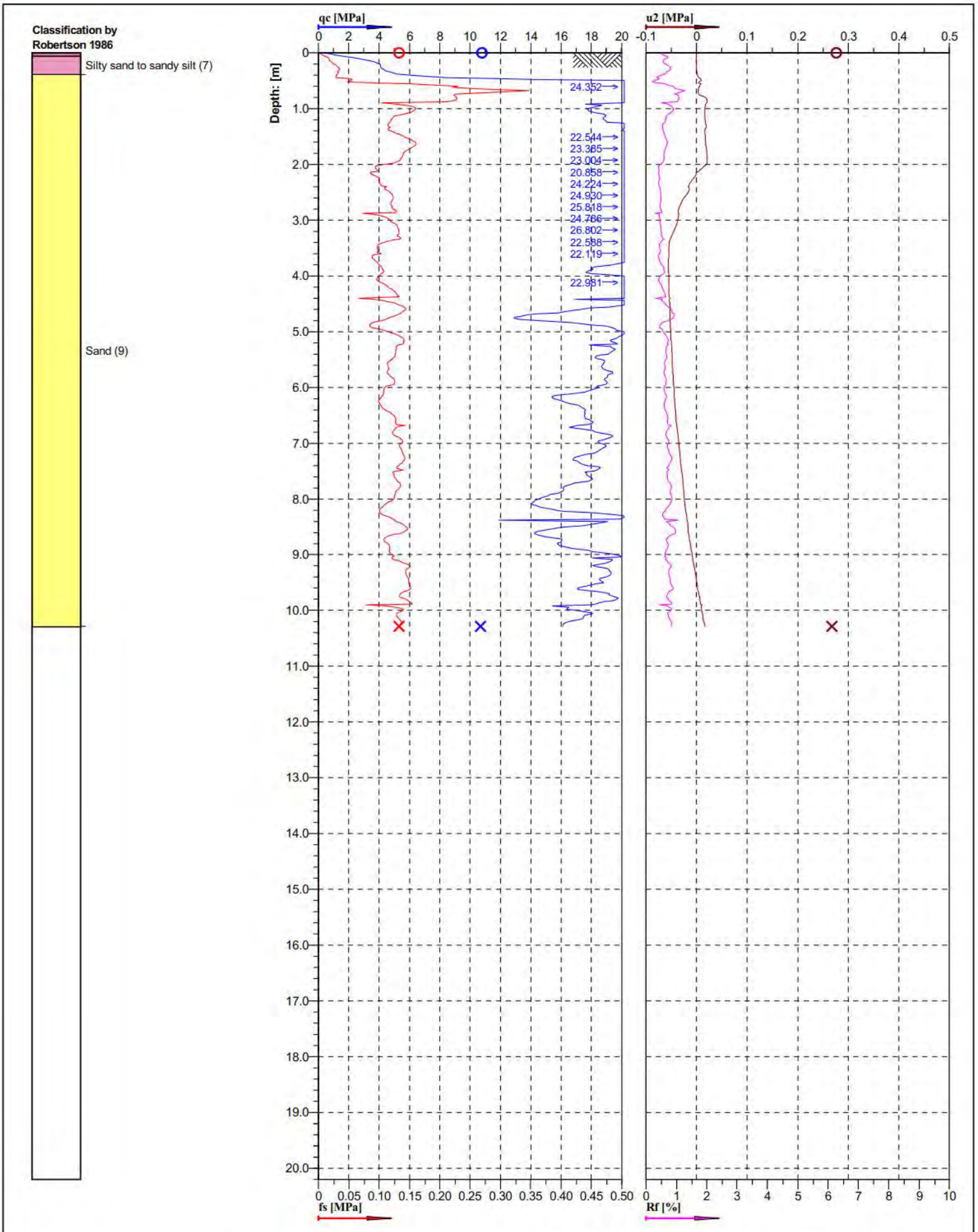
Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test No.: CPTV21
Project ID:	Client: AURECON	Date: 28/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTV21.cpt	



PRO-DRILL
SPECIALIST DRILLING ENGINEERS

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

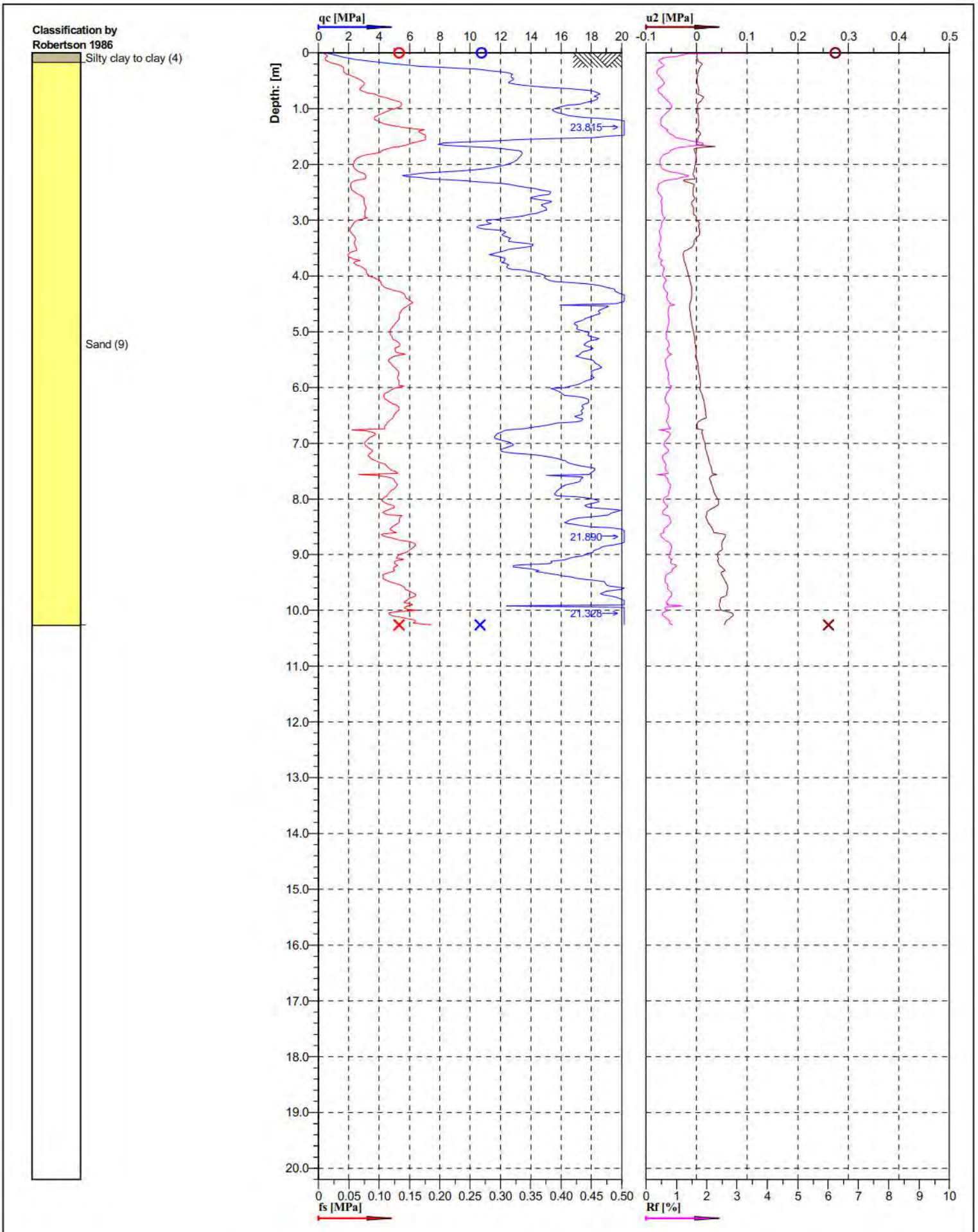
Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test No.: CPTV22
Project ID:	Client: AURECON	Date: 29/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTV22.cpt	



PRO-DRILL
SPECIALIST DRILLING ENGINEERS

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test No.: CPTV23
Project ID:	Client: AURECON	Date: 28/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTV23.cpt	



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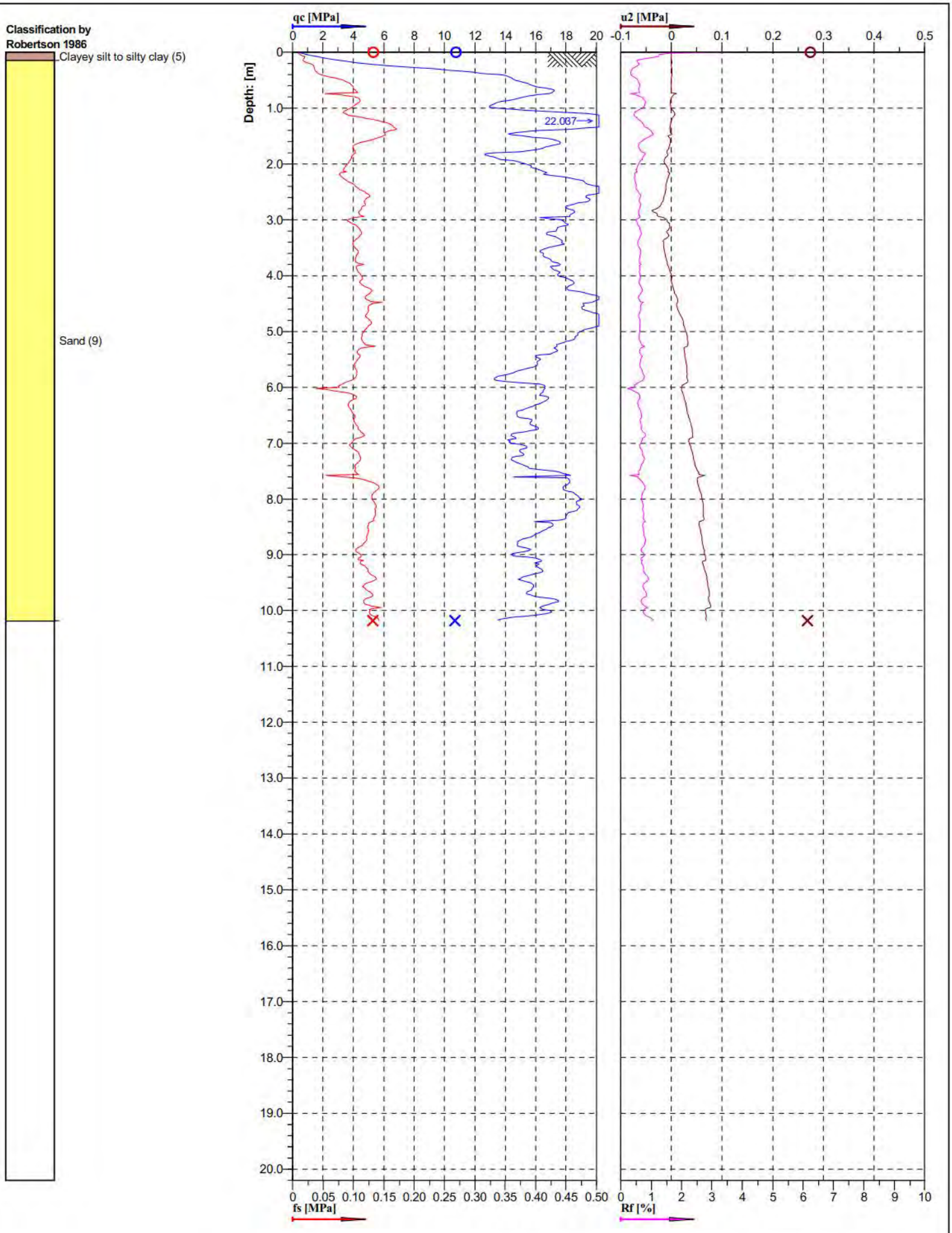
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTV24.cpt	

PRO-DRILL
SPECIALIST DRILLING ENGINEERS

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150



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Project ID:	Client: AURECON	Date: 27/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTV25.cpt	

PRO-DRILL
SPECIALIST DRILLING ENGINEERS

Cone No: 4494
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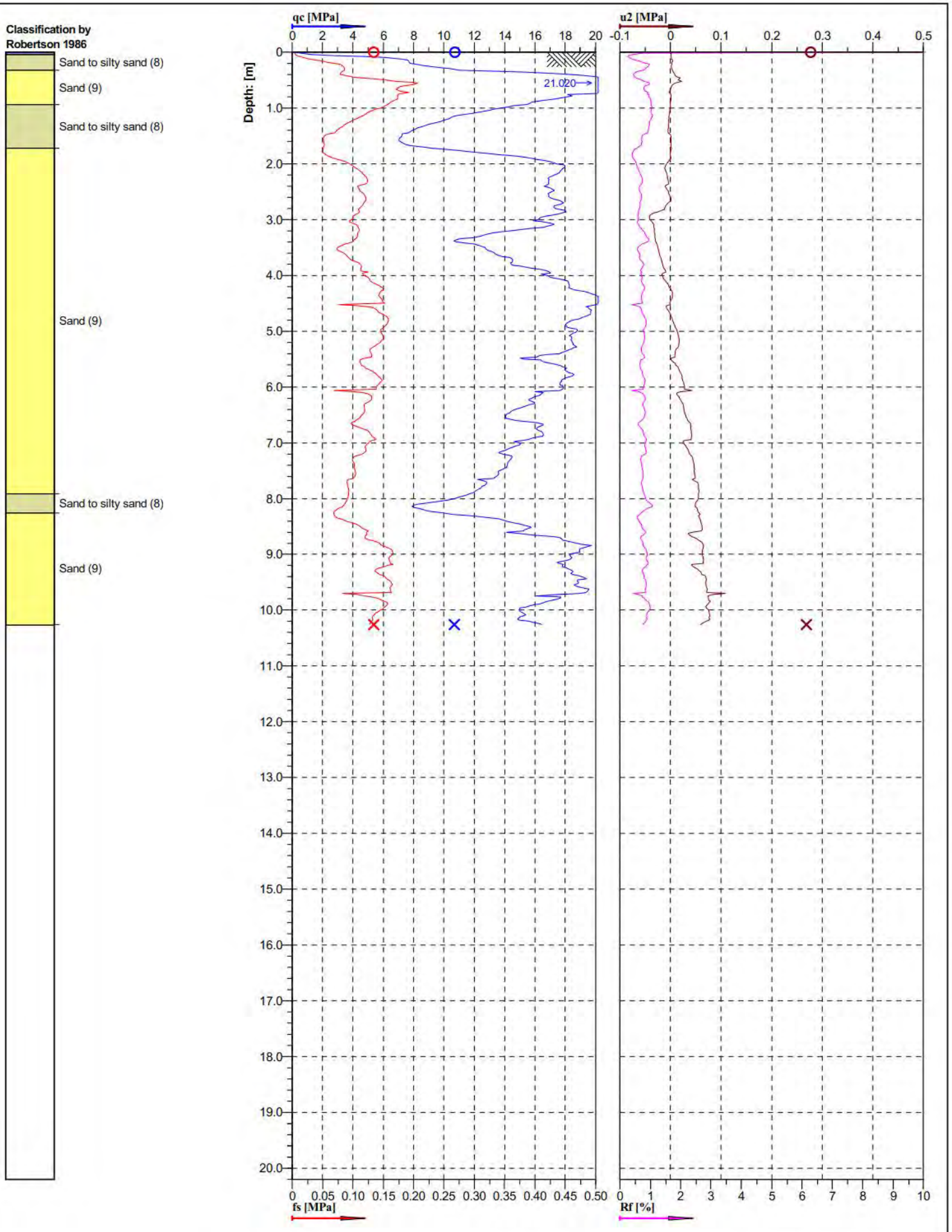
Sleeve area [cm2]: 150



PRO-DRILL
SPECIALIST DRILLING ENGINEERS

Cone No: 4494
Tip area [cm2]: 10
Sleeve area [cm2]: 150

Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test No.: CPTV26
Project ID:	Client: AURECON	Date: 29/06/2016	Scale: 1 : 87
Project: PRESTONS SOUTH		Page: 1/1	Fig.:
		File: PrestonsSouthCPTV26.cpt	

Appendix K
Certification

Statement of Professional Opinion on the Suitability of Land for Building Construction

ISSUED BY:	Aurecon New Zealand Limited
TO:	CDL Land New Zealand Limited
TO BE SUPPLIED TO:	Christchurch City Council
IN RESPECT OF:	Prestons South Subdivision Stage W, X & Y
AT:	Prestons Road, Christchurch

I, Dr Jan Kupec, on behalf of Aurecon New Zealand Limited hereby confirm that:

1. I am a suitably qualified and experienced Geotechnical Engineer and my firm was retained by the developer to provide geotechnical engineering services on the above development.

2. The extent of my inspections, and the results of all tests carried out are as described in the geotechnical report *Geotechnical Completion Report Prestons South Stage W, X & Y*, Revision 0, Project No. 235361, dated 18 April 2017.

3. In my professional opinion, not to be construed as a guarantee and based only on the extent of our inspections and tests in accordance with our scope of services, I consider that:

   (a) The completed works give due regard to land slope and foundation stability considerations.

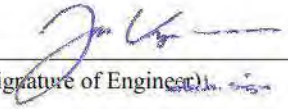
   (b) The original ground not affected by filling and the filled ground are suitable for the construction of a development/subdivision and are not subject to erosion, subsidence or slippage in accordance with the provisions of Section 106 of the Resource Management Act 1991 provided that the recommendations made in the Aurecon Report *Geotechnical Completion Report Prestons South Stage W, X & Y*, Revision 0, Project No. 235361, dated 18 April 2017.

4. This professional opinion is furnished to the territorial authority and the owner/developer for their purposes alone, on the express condition that it will not be relied upon by any other person and does not remove the necessity for the normal inspection of foundation conditions at the time of erection of any building.

5. This certificate shall be read in conjunction with my/the geotechnical report referred to in Clause 2 above, and shall not be copied or reproduced except in conjunction with the full geotechnical completion report.

6. The geotechnical engineering firm issuing this statement holds a current policy of professional indemnity insurance of no less than $250,000.

(Minimum amount of insurance shall be commensurate with the current amounts recommended by IPENZ, ACENZ, TNZ, INGENIUM.)



(Signature of Engineer)

18 April 2017

(Date)

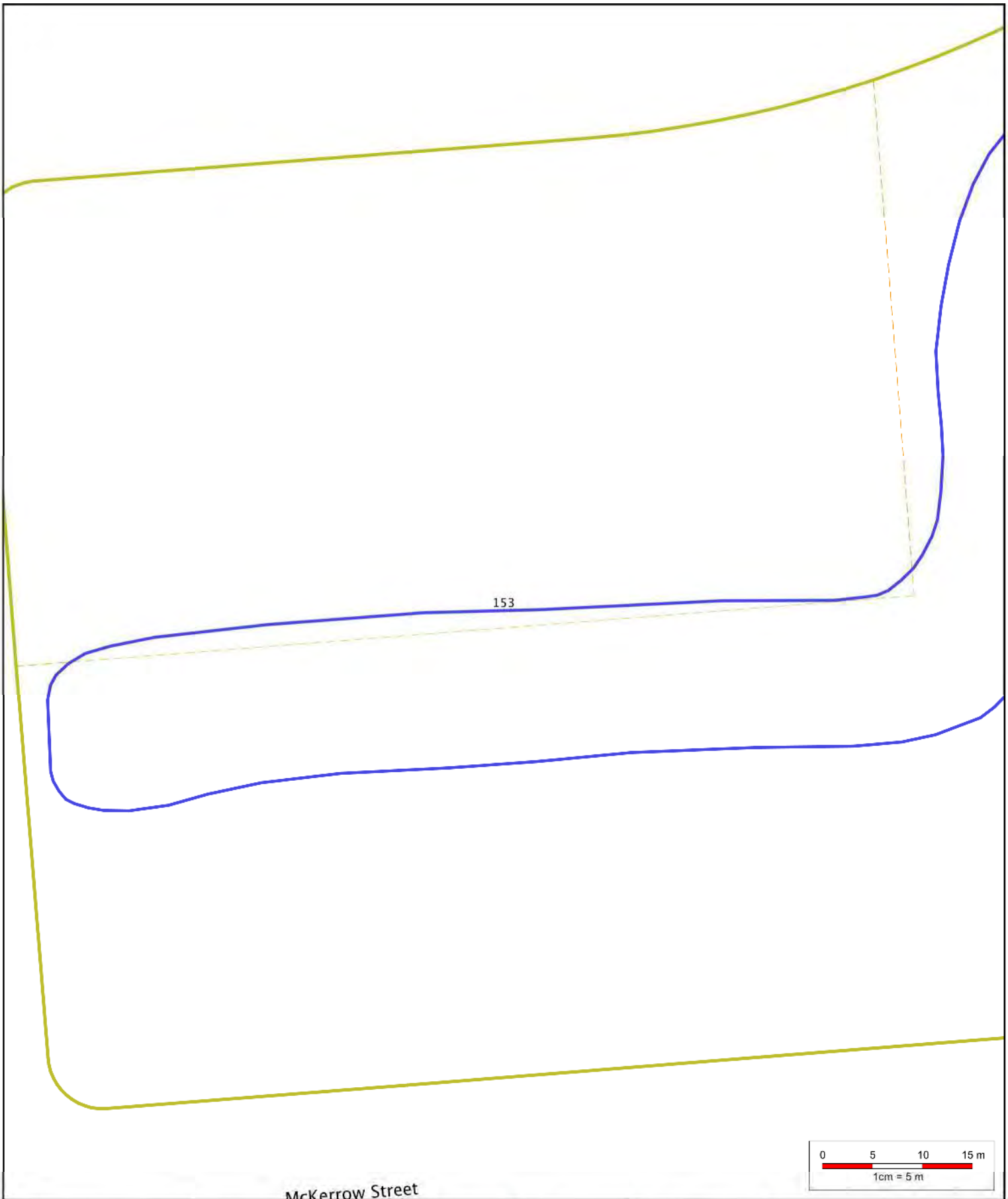
Qualifications and experience:

PhD, MSc, candIng, MIPENZ, CPEng (Geotechnical & Project Management), IntPE

Aurecon New Zealand Limited
Unit 1, 150 Cavendish Road
Casebrook Christchurch 8051
PO Box 1061
Christchurch 8140
New Zealand

T +64 3 366 0821
F +64 3 379 6955
E christchurch@aurecongroup.com
W aurecongroup.com

Aurecon offices are located in:
Angola, Australia, Botswana, China,
Ghana, Hong Kong, Indonesia, Kenya,
Lesotho, Macau, Mozambique,
Namibia, New Zealand, Nigeria,
Philippines, Qatar, Singapore, South Africa,
Swaziland, Tanzania, Thailand, Uganda,
United Arab Emirates, Vietnam.



1 : 500 on A4

Jul 20, 2018 9:20:24 AM

Christchurch City Council

ph: 941-8300 fax: 941-8385

Accuracy not guaranteed. Onsite verification required. Display of data scale dependent; full detail available at 1:500.

Private Drainage

Standard Infrastructure
- Bio Gas
- Condensate Trap
- End Cap
- Inlet
- Outlet
- Valve
- Main
- Cable

Water Intake/Supply
- Connector
- Bellows
- Connector
- Hydrant

Water Intake/Supply
- Inlet
- Meter
- Outlet
- Pump
- Restrictor
- Valve
- Air Release
- Butterfly
- Flow restriction
- Gate
- Pressure Activated
- Sluice
- Valve
- Reservoir
- Structure
- Lateral
- Main
- Sub Main

Wastewater
- End Cap
- Valve
- Air Gap Separator
- Vent
- Eye
- Eye (Vertical)
- Outfall
- Pump
- Junction
- Access
- Flush Manhole
- Inspection Point
- Standard Manhole
- Trap
- Vented Manhole
- Lateral
- Main
- Pressure Main

Wastewater
- Lateral Fitting

Local Pressure
- CP Control Panel
- BK Boundary Kit
- T Tank System
- Site
- V Vacuum Chamber
- BU Vacuum Breather

Stormwater
- Bend
- Change
- Eye
- Flow Restriction
- Inlet
- Dome Sump
- Double Sump
- Gross Debris Trap

Stormwater
- Inlet
- Inlet Headwall
- Pipe End
- Silt Trap
- Single Sump
- Soak Pit
- Triple Sump
- Junction
- Standard Manhole
- Outlet
- Pump
- Structure
- Basin
- Lateral
- Main
- Lateral Fitting
- Double Sump

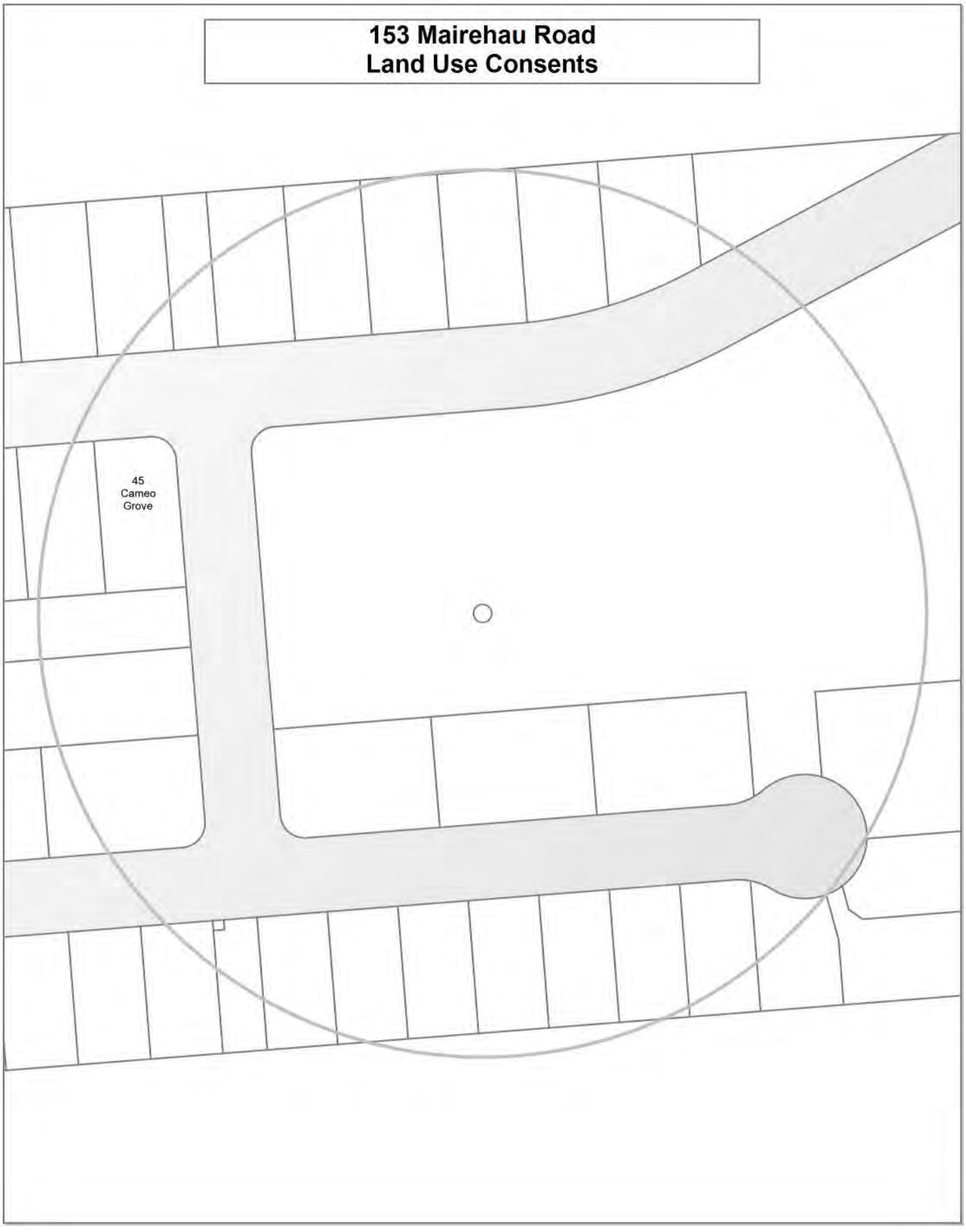
Stormwater
- Lateral Fitting
- Single Sump
- Soak Pit
- Inspection point
- Manhole

All services
- Pipe Protection
- *s* Abandoned
- *p* Proposed
- *os* Out of service

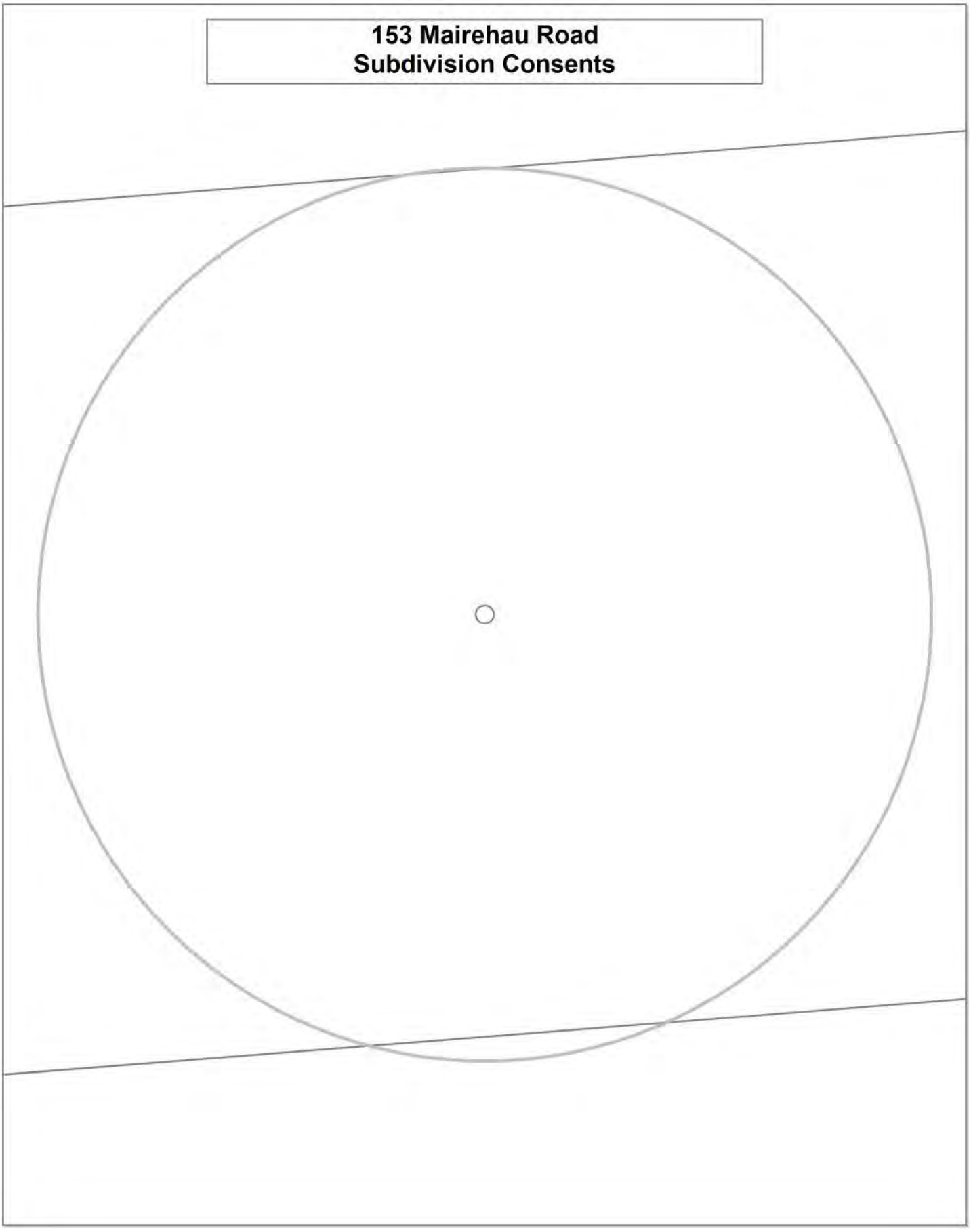
Landbase
- Easement

Spatial Query Report

Christchurch City Council



Christchurch City Council



Spatial Query Report

Land Use Resource Consents within 100 metres of 153 Mairehau Road

Note:This list does not include subdivision Consents and Certificates of Compliance issued under the Resource Management Act.

12 Cameo Grove

RMA/2016/2855

Wastewater Capacity Certificate

Processing complete

Applied 10/10/2016

Certificate issued 03/11/2016

155 Mairehau Road

RMA/2007/1246

Overseas Investment Certificate - Historical Reference RMA92008503

Processing complete

Applied 28/05/2007

Decision issued 29/05/2007

Granted 29/05/2007

RMA/2009/364

No Desc - Historical Reference RMA92013781

Processing complete

Applied 23/03/2009

Decision issued 23/03/2009

Granted 23/03/2009

RMA/2014/907

Two Dwellings - Historical Reference RMA92025543

Processing complete

Applied 16/04/2014

Decision issued 14/10/2014

Granted 14/10/2014

RMA/2015/794

Dwelling with attached garage - Lot 38 - Historical Reference RMA92029030

Processing complete

Applied 24/03/2015

Decision issued 30/04/2015

Granted 30/04/2015

RMA/2015/924

Earthworks - Historical Reference RMA92029162

Processing complete

Applied 07/04/2015

Decision issued 04/05/2015

Granted 01/05/2015

RMA/2015/93

Dwelling with attached garage - Historical Reference RMA92028251

Processing complete

Applied 14/01/2015

Decision issued 23/01/2015

Granted 22/01/2015

45 Cameo Grove

RMA/2017/2545

To construct buildings on Lots 291-294, 312-318 and 377-389 (Stage 2)up to 4 m from the Mairehau Road boundary and with a reduced landscaping strip of 2m in width

Processing complete

Applied 17/10/2017

Decision issued 17/01/2018

Granted 17/01/2018

Data Quality Statement

Land Use Consents

All resource consents are shown for sites that have been labelled with an address. For sites that have been labelled with a cross (+) no resource consents have been found. Sites that have no label have not been checked for resource consents. This will be particularly noticeable on the margins of the search radius. If there are such sites and you would like them included in the check, please ask for the LIM spatial query to be rerun accordingly. This will be done free of charge although there may be a short delay. Resource consents which are on land occupied by roads, railways or rivers are not, and currently cannot be displayed, either on the map or in the list. Resource consents that relate to land that has since been subdivided, will be shown in the list, but not on the map. They will be under the address of the land as it was at the time the resource consent was applied for. Resource consents that are listed as Non-notified and are current, may in fact be notified resource consents that have not yet been through the notification process. If in doubt. Please phone (03)941 8999.

The term “resource consents” in this context means land use consents. Subdivision consents and certificates of compliance are excluded.

Spatial Query Report

Subdivision Consents

All subdivision consents are shown for the sites that have been labelled with consent details. For Sites that have been labelled with a cross (+) no records have been found. Sites that have no label have not been checked for subdivision consents. This will be particularly noticeable on the margins of the search radius. If there are such sites and you would like them included in the check, please ask for the LIM spatial query to be rerun accordingly. This will be done free of charge although there may be a short delay.

The term “subdivision consents” in this context means a resource consent application to subdivide land. Non subdivision land use resource consents and certificates of compliance are excluded.

This report will only record those subdivision applications which have not been completed i.e once a subdivision has been given effect to and the new lots/properties have been established the application which created those lots will not be shown

All subdivision consent information is contained on the map and no separate list is supplied