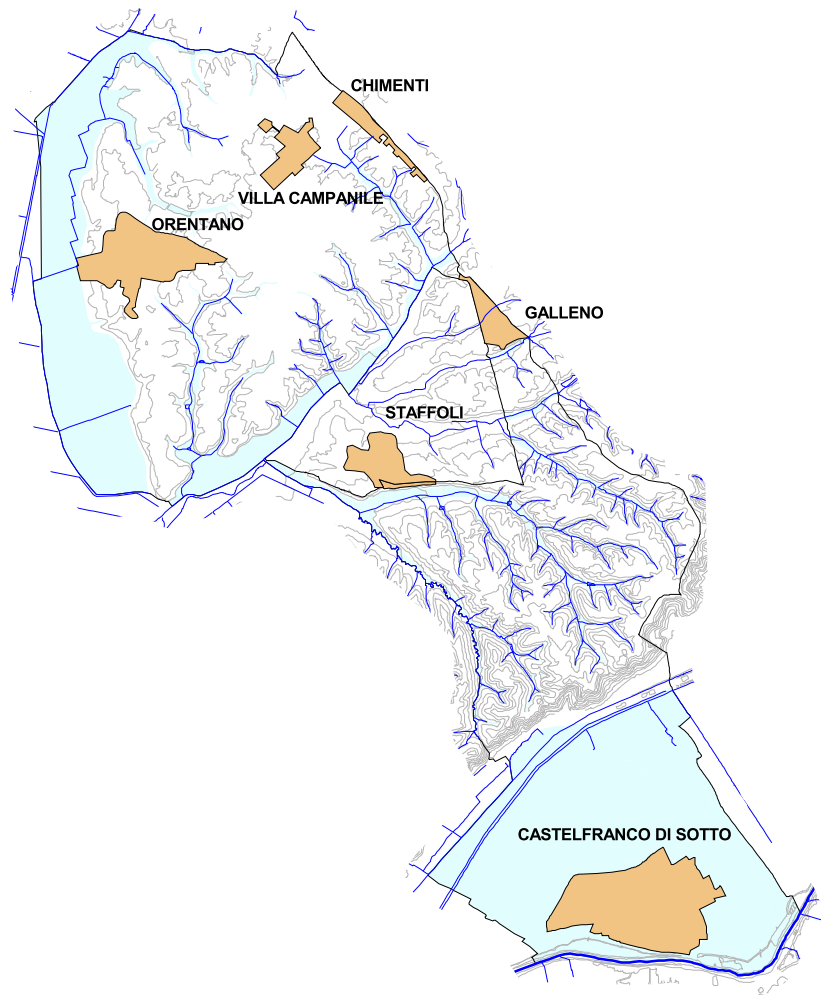


COMUNE DI CASTELFRANCO DI SOTTO

INDAGINI GEOLOGICO-TECNICHE DI SUPPORTO
ALLA PIANIFICAZIONE DEL TERRITORIO COMUNALE



VARIANTE GENERALE AL REGOLAMENTO URBANISTICO

Geoprogetti

Studio Associato

GRUPPO DI LAVORO

Dr. Geol. Francesca Franchi

Dr. Geol. Emilio Pistilli

Dr. Geol. Roberto Mattei

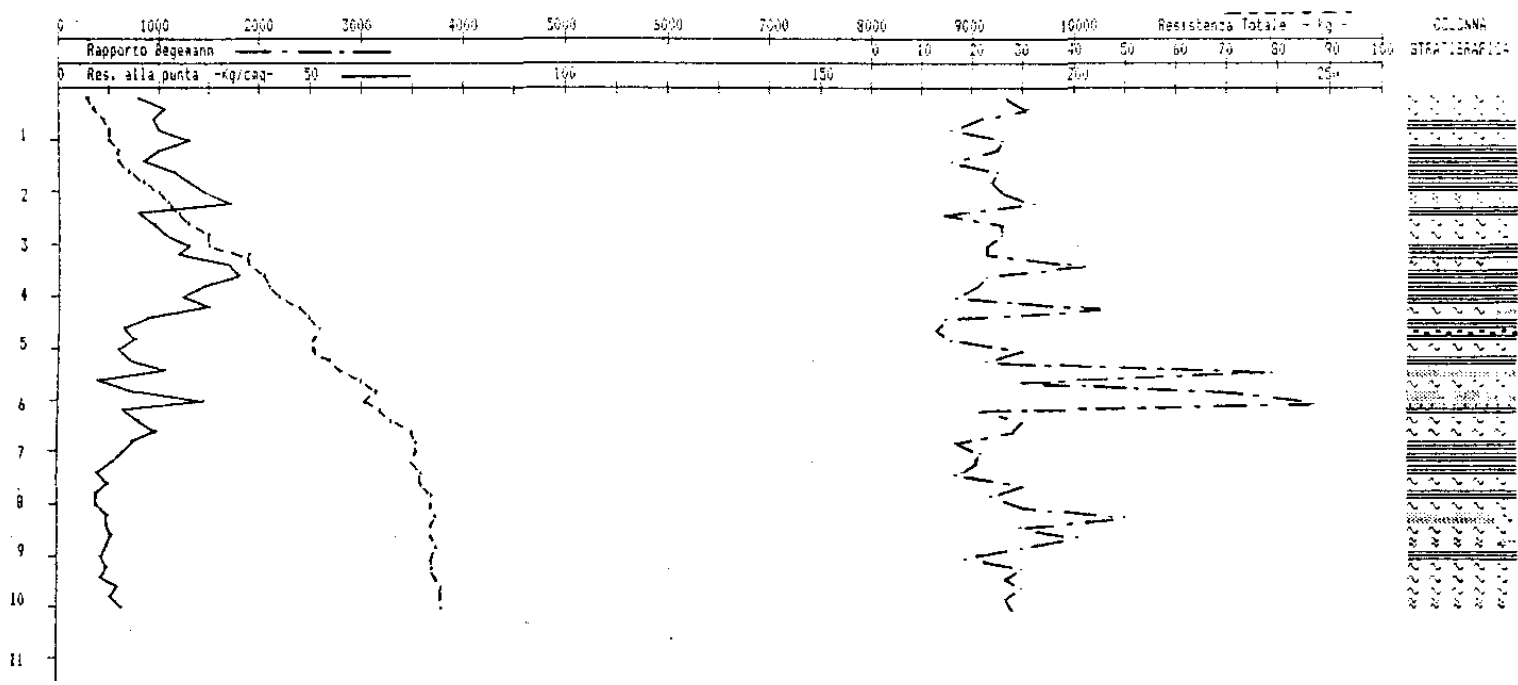
Tavola 07
Allegato
1

Indagini geognostiche estratte
dal database del P.T.C.
della Provincia di Pisa

Scala: 1:10.000

Data: settembre 2013

Commitente: Amministrazione Comunale di Castel Franco di Sotto



PROVA PENETROMETRICA STATICA

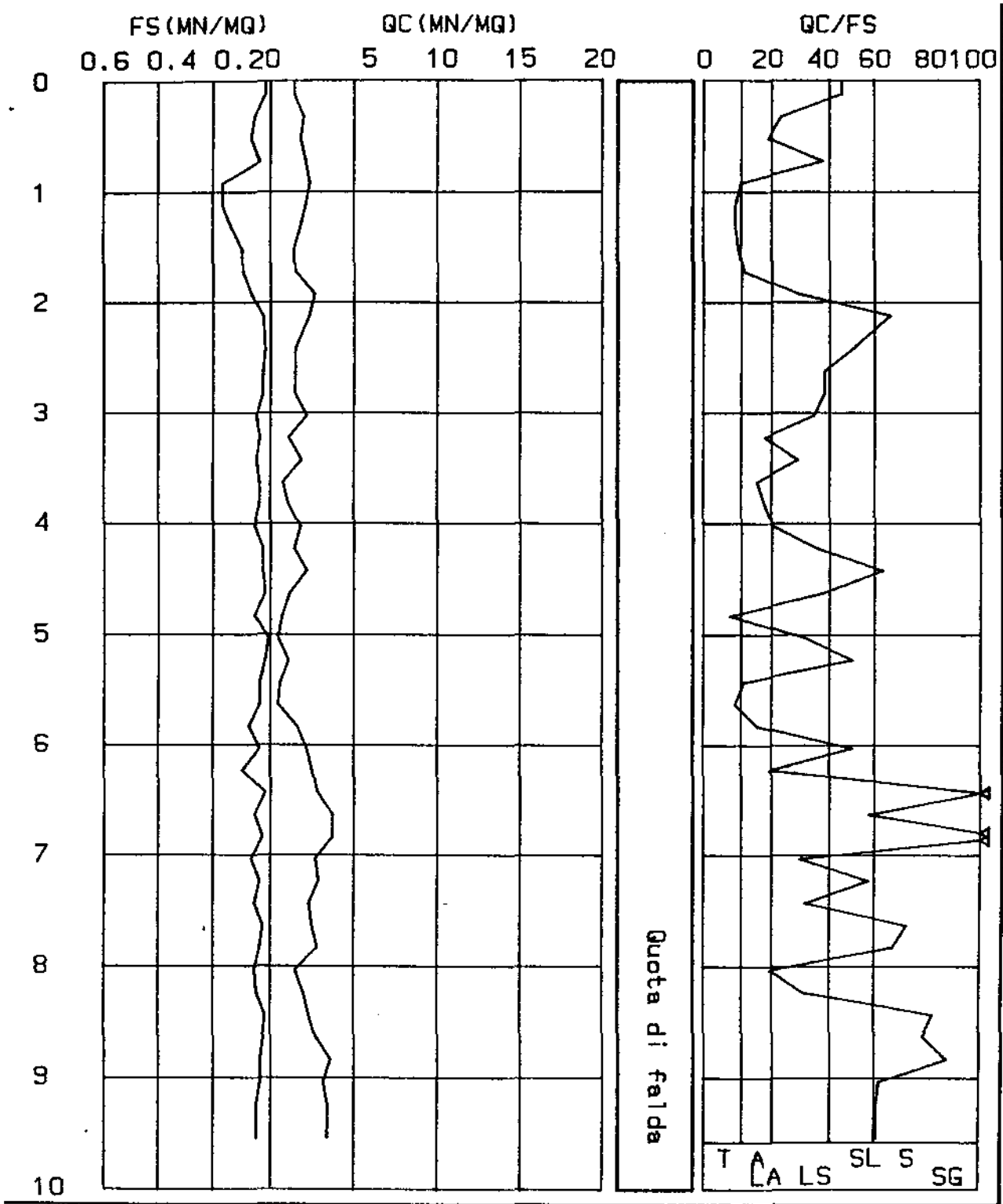
CERTIFICATO N.RO : 492-AA

CANTIERE : COSTRUZIONE FABBRICATO PER ABITAZIONE N 6 ALLOGGI

I	PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X	I
I	0.00	14	18	0.27	51.85	I						I						I
I	0.20	14	18	0.27	51.85	I						I						I
I	0.40	20	30	0.67	29.85	I						I						I
I	0.60	18	29	0.73	24.66	I						I						I
I	0.80	21	28	0.47	44.68	I						I						I
I	1.00	24	49	1.67	14.37	I						I						I
I	1.20	21	47	1.73	12.14	I						I						I
I	1.40	18	40	1.47	12.24	I						I						I
I	1.60	14	30	1.07	13.08	I						I						I
I	1.80	15	30	1.00	15.00	I						I						I
I	2.00	26	37	0.73	35.62	I						I						I
I	2.20	23	28	0.33	69.70	I						I						I
I	2.40	15	19	0.27	55.56	I						I						I
I	2.60	15	20	0.33	45.45	I						I						I
I	2.80	15	20	0.33	45.45	I						I						I
I	3.00	22	30	0.53	41.51	I						I						I
I	3.20	11	18	0.47	23.40	I						I						I
I	3.40	19	27	0.53	35.85	I						I						I
I	3.60	8	14	0.40	20.00	I						I						I
I	3.80	11	18	0.47	23.40	I						I						I
I	4.00	18	28	0.67	26.87	I						I						I
I	4.20	14	19	0.33	42.42	I						I						I
I	4.40	22	27	0.33	66.67	I						I						I
I	4.60	12	16	0.27	44.44	I						I						I
I	4.80	7	17	0.67	10.45	I						I						I
I	5.00	5	7	0.13	38.46	I						I						I
I	5.20	11	14	0.20	55.00	I						I						I
I	5.40	6	12	0.40	15.00	I						I						I
I	5.60	5	11	0.40	12.50	I						I						I
I	5.80	16	28	0.80	20.00	I						I						I
I	6.00	22	28	0.40	55.00	I						I						I
I	6.20	25	40	1.00	25.00	I						I						I
I	6.40	28	32	0.27	103.70	I						I						I
I	6.60	37	46	0.60	61.67	I						I						I
I	6.80	37	42	0.33	112.12	I						I						I
I	7.00	27	38	0.73	36.99	I						I						I
I	7.20	29	36	0.47	61.70	I						I						I
I	7.40	23	32	0.60	38.33	I						I						I
I	7.60	25	30	0.33	75.76	I						I						I
I	7.80	28	34	0.40	70.00	I						I						I
I	8.00	15	24	0.60	25.00	I						I						I
I	8.20	20	28	0.53	37.74	I						I						I
I	8.40	23	27	0.27	85.19	I						I						I
I	8.60	27	32	0.33	81.82	I						I						I
I	8.80	36	42	0.40	90.00	I						I						I
I	9.00	31	38	0.47	65.96	I						I						I
I	9.20	34	42	0.53	64.15	I						I						I
I	9.40	34	42	0.53	64.15	I						I						I
I	9.60	34	42	0.53	64.15	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO



PROVA PENETROMETRICA STATICA

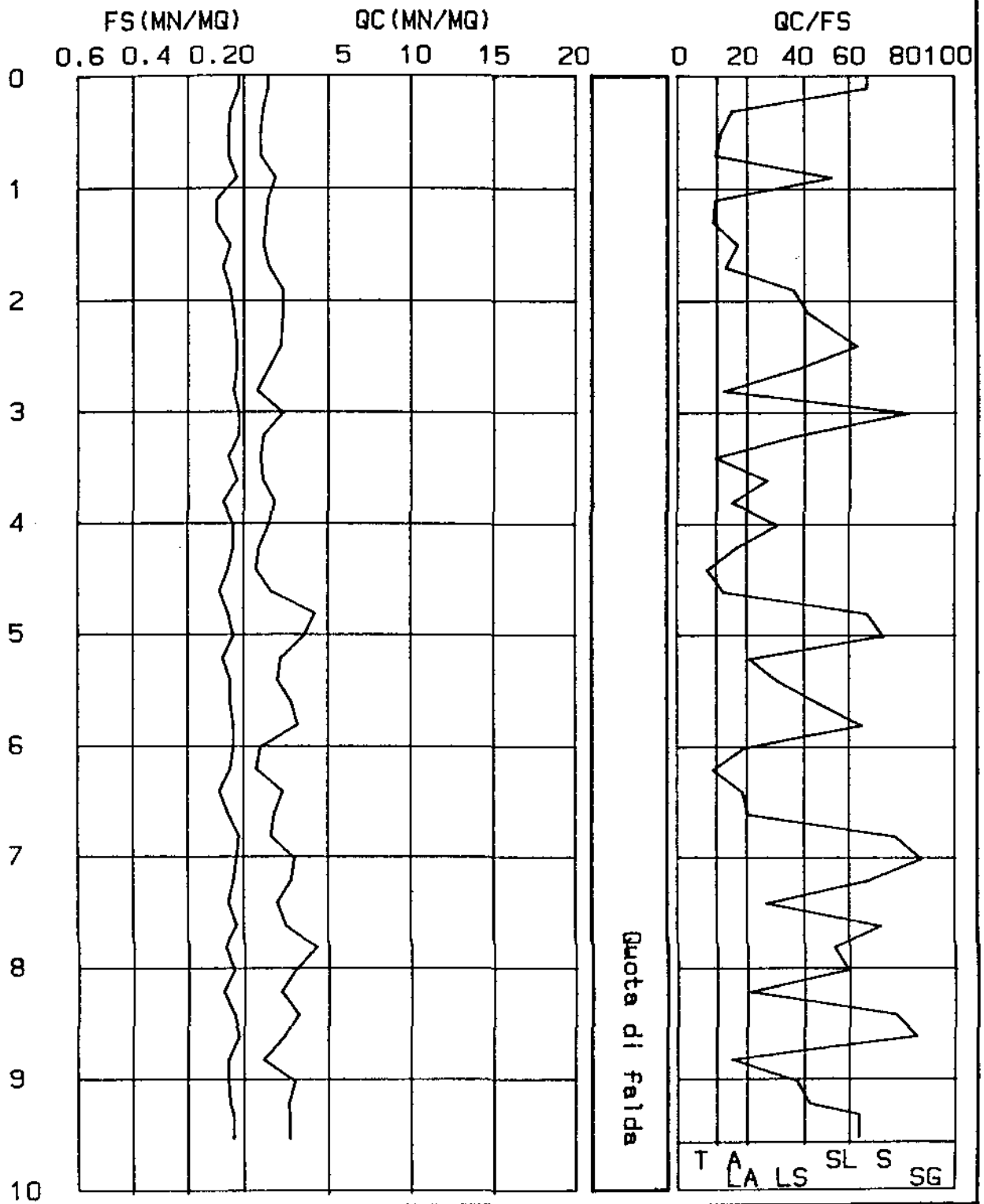
CERTIFICATO N.RO : 493-AA

CANTIERE : COSTRUZIONE FABBRICATO PER ABITAZIONE N 6 ALLOGGI

I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I
I	0.00	14	17	0.20	70.00	I						I						I
I	0.20	14	17	0.20	70.00	I						I						I
I	0.40	11	19	0.53	20.75	I						I						I
I	0.60	10	19	0.60	16.67	I						I						I
I	0.80	10	20	0.67	14.93	I						I						I
I	1.00	19	24	0.33	57.58	I						I						I
I	1.20	14	29	1.00	14.00	I						I						I
I	1.40	13	28	1.00	13.00	I						I						I
I	1.60	12	20	0.53	22.64	I						I						I
I	1.80	15	27	0.80	18.75	I						I						I
I	2.00	23	31	0.53	43.40	I						I						I
I	2.20	23	30	0.47	48.94	I						I						I
I	2.40	22	27	0.33	66.67	I						I						I
I	2.60	15	20	0.33	45.45	I						I						I
I	2.80	8	15	0.47	17.02	I						I						I
I	3.00	23	27	0.27	85.19	I						I						I
I	3.20	12	16	0.27	44.44	I						I						I
I	3.40	10	20	0.67	14.93	I						I						I
I	3.60	11	16	0.33	33.33	I						I						I
I	3.80	18	31	0.87	20.69	I						I						I
I	4.00	15	21	0.40	37.50	I						I						I
I	4.20	9	15	0.40	22.50	I						I						I
I	4.40	7	16	0.60	11.67	I						I						I
I	4.60	16	30	0.93	17.20	I						I						I
I	4.80	42	51	0.60	70.00	I						I						I
I	5.00	36	43	0.47	76.60	I						I						I
I	5.20	22	34	0.80	27.50	I						I						I
I	5.40	20	28	0.53	37.74	I						I						I
I	5.60	28	36	0.53	52.83	I						I						I
I	5.80	32	39	0.47	68.09	I						I						I
I	6.00	10	16	0.40	25.00	I						I						I
I	6.20	7	15	0.53	13.21	I						I						I
I	6.40	23	37	0.93	24.73	I						I						I
I	6.60	18	28	0.67	26.87	I						I						I
I	6.80	16	19	0.20	80.00	I						I						I
I	7.00	30	35	0.33	90.91	I						I						I
I	7.20	28	34	0.40	70.00	I						I						I
I	7.40	20	29	0.60	33.33	I						I						I
I	7.60	25	30	0.33	75.76	I						I						I
I	7.80	43	54	0.73	58.90	I						I						I
I	8.00	30	37	0.47	63.83	I						I						I
I	8.20	22	34	0.80	27.50	I						I						I
I	8.40	32	38	0.40	80.00	I						I						I
I	8.60	24	28	0.27	88.89	I						I						I
I	8.80	12	21	0.60	20.00	I						I						I
I	9.00	30	40	0.67	44.78	I						I						I
I	9.20	26	34	0.53	49.06	I						I						I
I	9.40	27	33	0.40	67.50	I						I						I
I	9.60	27	33	0.40	67.50	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CH. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LINOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO



PROVA PENETROMETRICA STATICA

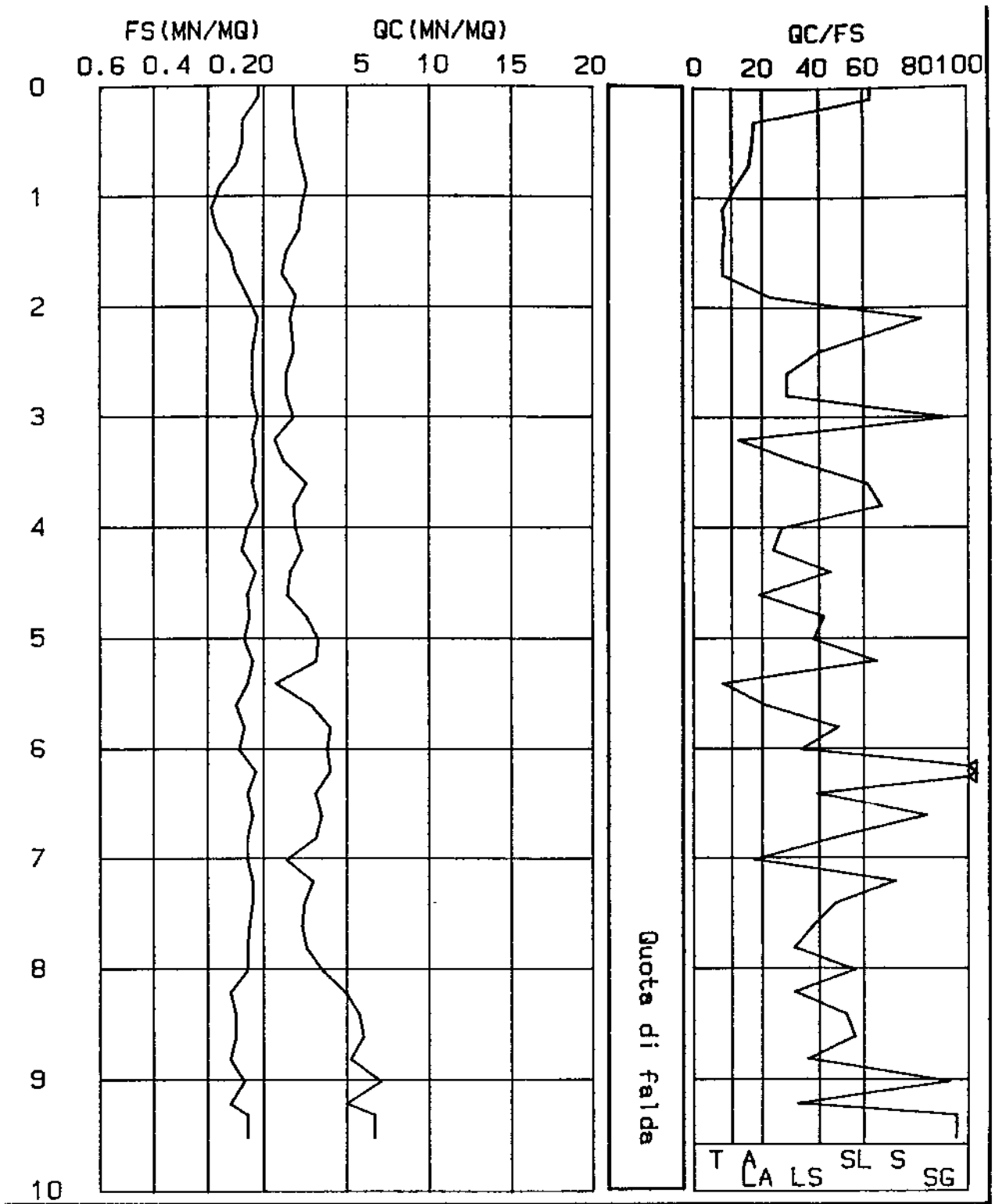
CERTIFICATO N.RO : 494-AA

CANTIERE : COSTRUZIONE FABBRICATO PER ABITAZIONE N 6 ALLOGGI

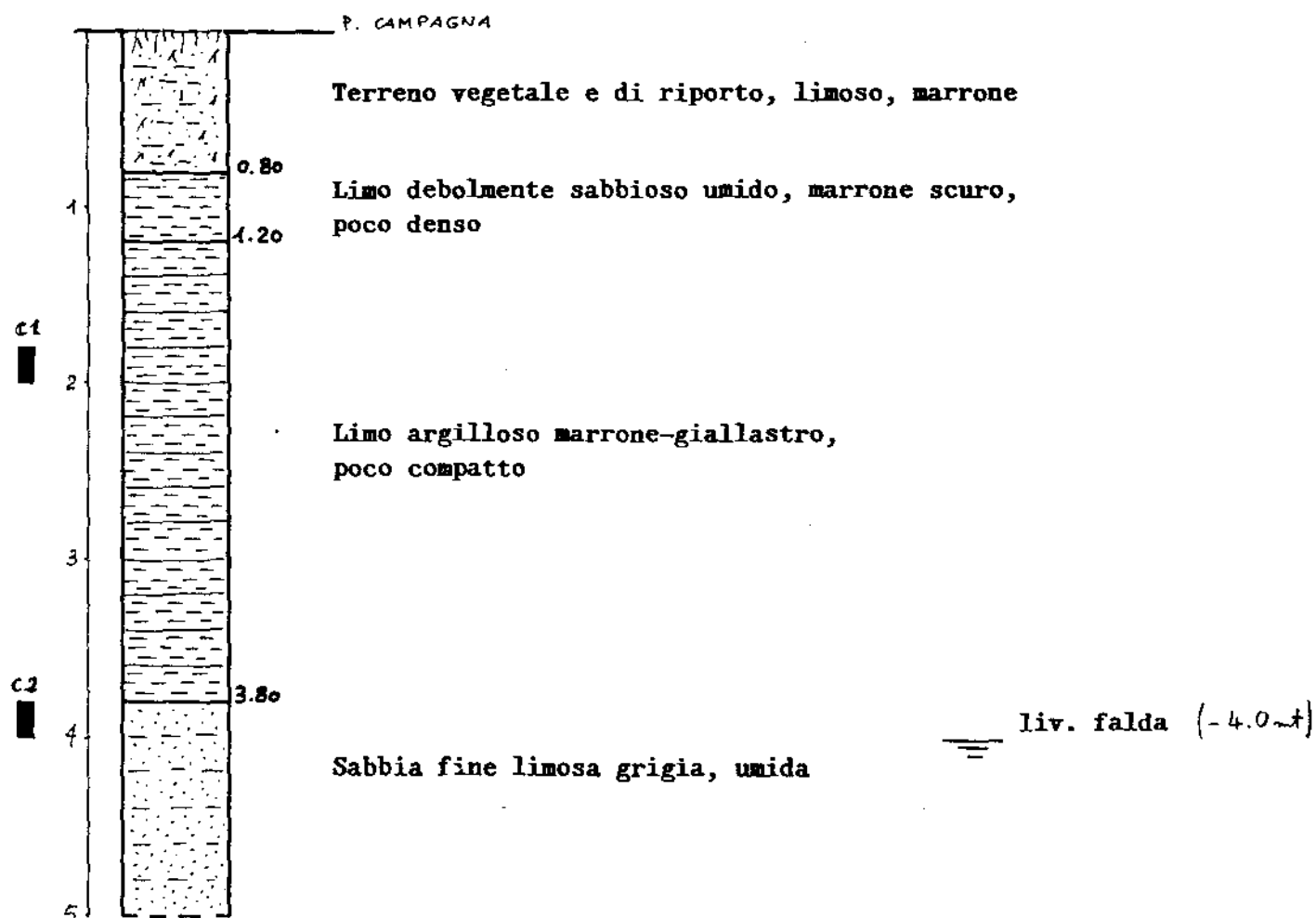
I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I
I	0.00	18	22	0.27	66.67	I						I						I
I	0.20	18	22	0.27	66.67	I						I						I
I	0.40	19	31	0.80	23.75	I						I						I
I	0.60	20	33	0.87	22.99	I						I						I
I	0.80	23	39	1.07	21.50	I						I						I
I	1.00	26	50	1.60	16.25	I						I						I
I	1.20	23	52	1.93	11.92	I						I						I
I	1.40	22	48	1.73	12.72	I						I						I
I	1.60	14	32	1.20	11.67	I						I						I
I	1.80	12	28	1.07	11.21	I						I						I
I	2.00	20	30	0.67	29.85	I						I						I
I	2.20	17	20	0.20	85.00	I						I						I
I	2.40	19	25	0.40	47.50	I						I						I
I	2.60	14	20	0.40	35.00	I						I						I
I	2.80	14	20	0.40	35.00	I						I						I
I	3.00	19	22	0.20	95.00	I						I						I
I	3.20	7	13	0.40	17.50	I						I						I
I	3.40	13	18	0.33	39.39	I						I						I
I	3.60	26	32	0.40	65.00	I						I						I
I	3.80	19	23	0.27	70.37	I						I						I
I	4.00	20	29	0.60	33.33	I						I						I
I	4.20	24	36	0.80	30.00	I						I						I
I	4.40	17	22	0.33	51.52	I						I						I
I	4.60	15	24	0.60	25.00	I						I						I
I	4.80	26	34	0.53	49.06	I						I						I
I	5.00	33	44	0.73	45.21	I						I						I
I	5.20	32	39	0.47	68.09	I						I						I
I	5.40	8	18	0.67	11.94	I						I						I
I	5.60	29	45	1.07	27.10	I						I						I
I	5.80	40	51	0.73	54.79	I						I						I
I	6.00	38	52	0.93	40.86	I						I						I
I	6.20	40	45	0.33	121.21	I						I						I
I	6.40	31	41	0.67	46.27	I						I						I
I	6.60	35	41	0.40	87.50	I						I						I
I	6.80	32	41	0.60	53.33	I						I						I
I	7.00	14	23	0.60	23.33	I						I						I
I	7.20	30	36	0.40	75.00	I						I						I
I	7.40	25	32	0.47	53.19	I						I						I
I	7.60	24	32	0.53	45.28	I						I						I
I	7.80	26	36	0.67	38.81	I						I						I
I	8.00	36	45	0.60	60.00	I						I						I
I	8.20	49	68	1.27	38.58	I						I						I
I	8.40	57	72	1.00	57.00	I						I						I
I	8.60	60	75	1.00	60.00	I						I						I
I	8.80	52	70	1.20	43.33	I						I						I
I	9.00	70	81	0.73	95.89	I						I						I
I	9.20	50	69	1.27	39.37	I						I						I
I	9.40	66	76	0.67	98.51	I						I						I
I	9.60	66	76	0.67	98.51	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cmq
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cmq X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cmq

LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLA



SAGGIO GEOGNOSTICO - COLONNA STRATIGRAFICA



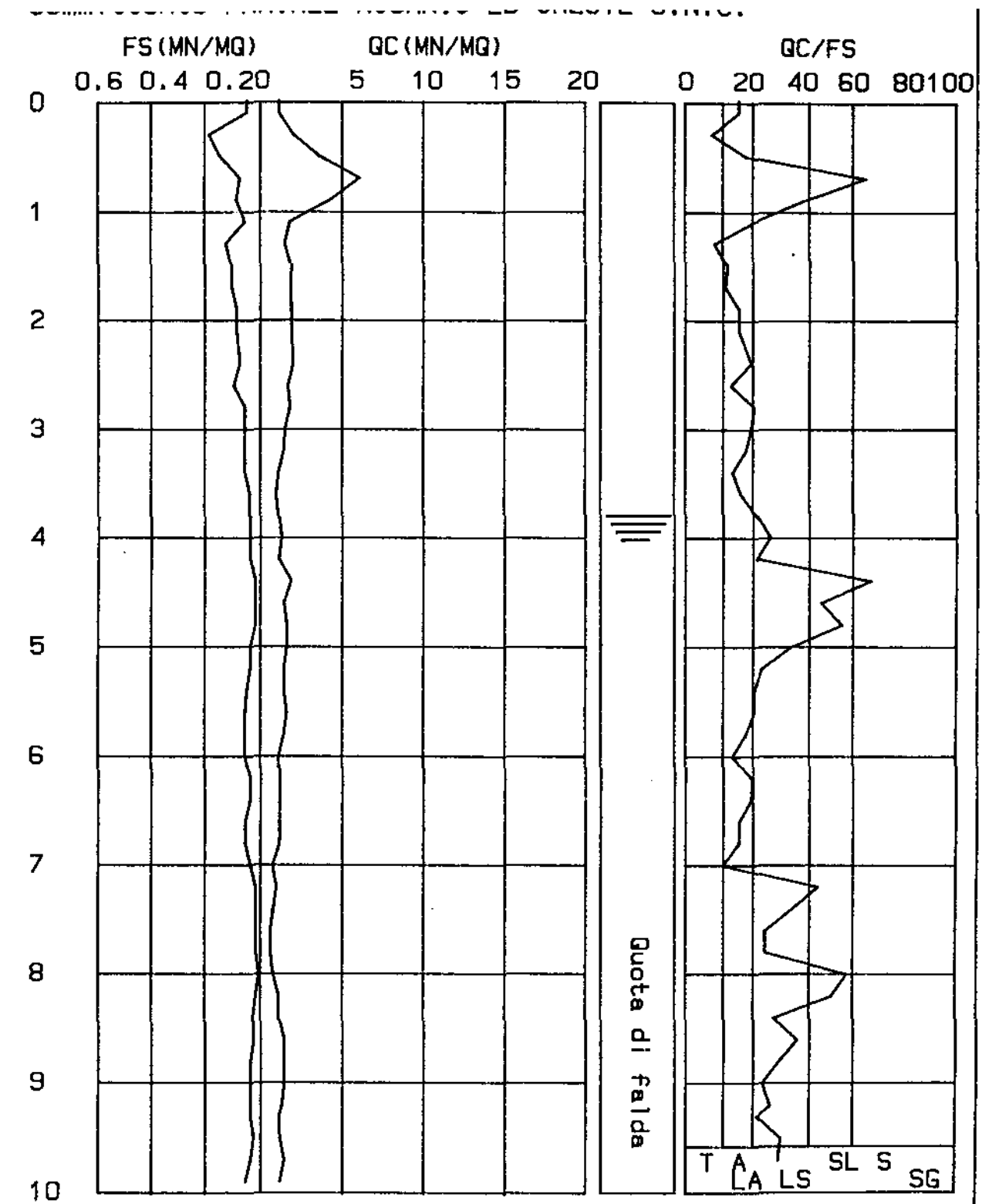
PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 528-AA						CANTIERE : COSTRUZIONE FABBRICATO PER CIVILE ABITAZIONE											
I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X
1	0.00	11	19	0.53	20.75	1	10.00	12	22	0.67	17.91	1					
1	0.20	11	19	0.53	20.75	1	10.20	15	21	0.40	37.50	1					
1	0.40	20	40	1.87	10.70	1	10.40	18	25	0.47	38.50	1					
1	0.60	36	59	1.53	23.53	1											
1	0.80	60	73	0.87	68.97	1											
1	1.00	42	56	0.93	45.16	1											
1	1.20	18	28	0.67	26.87	1											
1	1.40	15	35	1.33	11.28	1											
1	1.60	19	36	1.15	16.81	1											
1	1.80	18	35	1.15	15.93	1											
1	2.00	19	33	0.93	20.43	1											
1	2.20	19	33	0.93	20.43	1											
1	2.40	20	32	0.80	25.00	1											
1	2.60	17	32	1.00	17.00	1											
1	2.80	18	28	0.67	26.87	1											
1	3.00	15	24	0.60	25.00	1											
1	3.20	14	23	0.60	23.53	1											
1	3.40	11	20	0.60	18.33	1											
1	3.60	10	17	0.47	21.28	1											
1	3.80	11	17	0.40	27.50	1											
1	4.00	13	19	0.40	32.50	1											
1	4.20	11	17	0.40	27.50	1											
1	4.40	19	23	0.27	70.57	1											
1	4.60	14	18	0.27	51.85	1											
1	4.80	16	20	0.27	59.26	1											
1	5.00	16	22	0.40	40.00	1											
1	5.20	14	21	0.47	29.79	1											
1	5.40	14	22	0.53	26.42	1											
1	5.60	16	25	0.60	26.67	1											
1	5.80	14	23	0.60	23.53	1											
1	6.00	11	20	0.60	18.33	1											
1	6.20	12	19	0.47	25.53	1											
1	6.40	12	19	0.47	25.53	1											
1	6.60	12	21	0.60	20.00	1											
1	6.80	12	21	0.60	20.00	1											
1	7.00	7	14	0.47	14.89	1											
1	7.20	10	13	0.20	50.00	1											
1	7.40	8	11	0.20	40.00	1											
1	7.60	6	9	0.20	30.00	1											
1	7.80	6	9	0.20	30.00	1											
1	8.00	8	10	0.13	61.54	1											
1	8.20	11	14	0.20	55.00	1											
1	8.40	11	16	0.33	33.33	1											
1	8.60	14	19	0.33	42.42	1											
1	8.80	14	20	0.40	35.00	1											
1	9.00	14	21	0.47	29.79	1											
1	9.20	13	19	0.40	32.50	1											
1	9.40	11	17	0.40	27.50	1											
1	9.60	12	17	0.33	36.36	1											
1	9.80	14	20	0.40	35.00	1											

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LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CN. FS = RESISTENZA SPECIFICA AL MANICOTTO GN/CNQ
 QC = RESISTENZA SPECIFICA ALLA PUNTA DN/CNQ X = RAPPORTO QC/FS
 RL = RESISTENZA LATERALE TOTALE DN/CNQ

LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLA



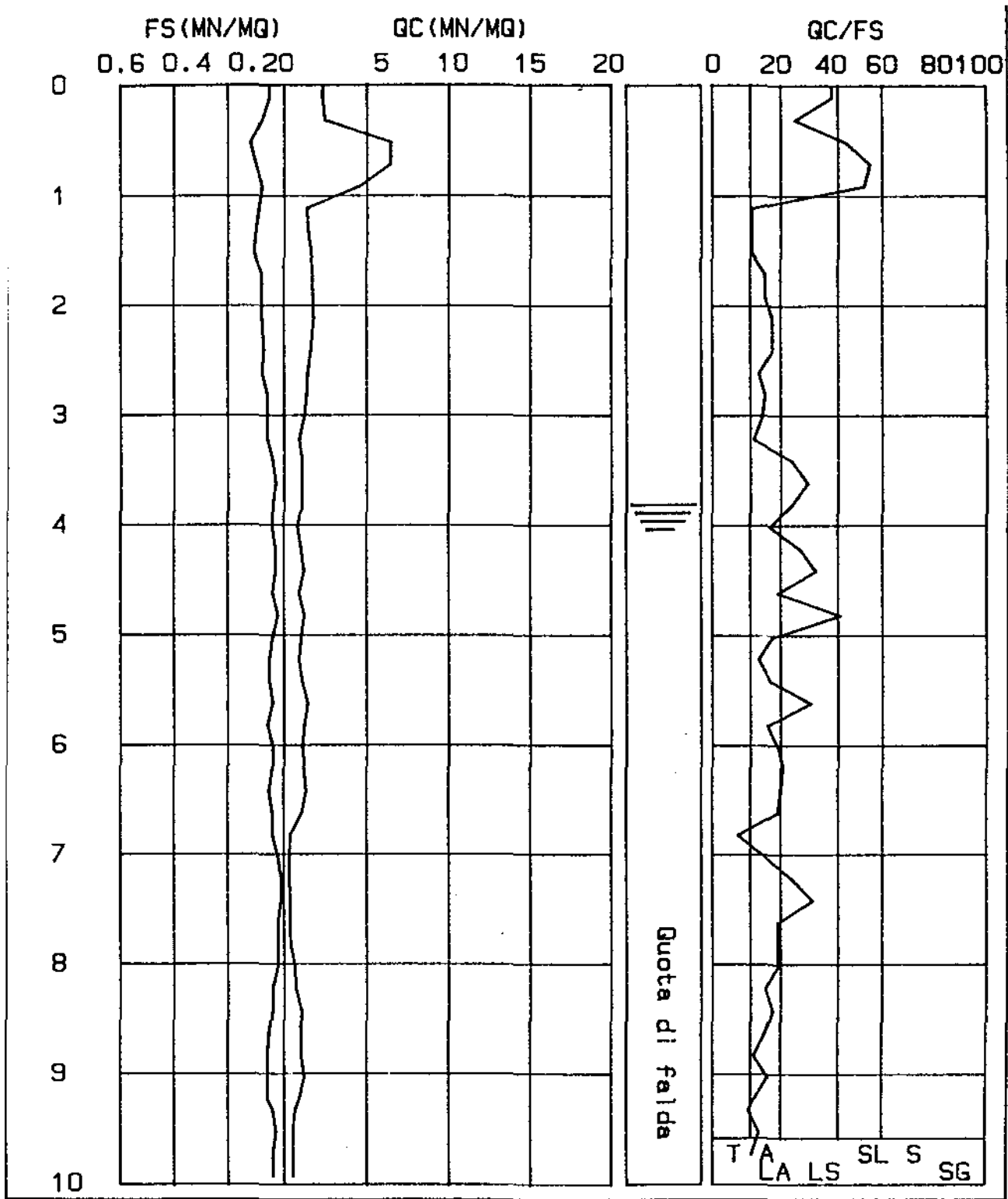
PROVA PENETROMETRICA STATICA

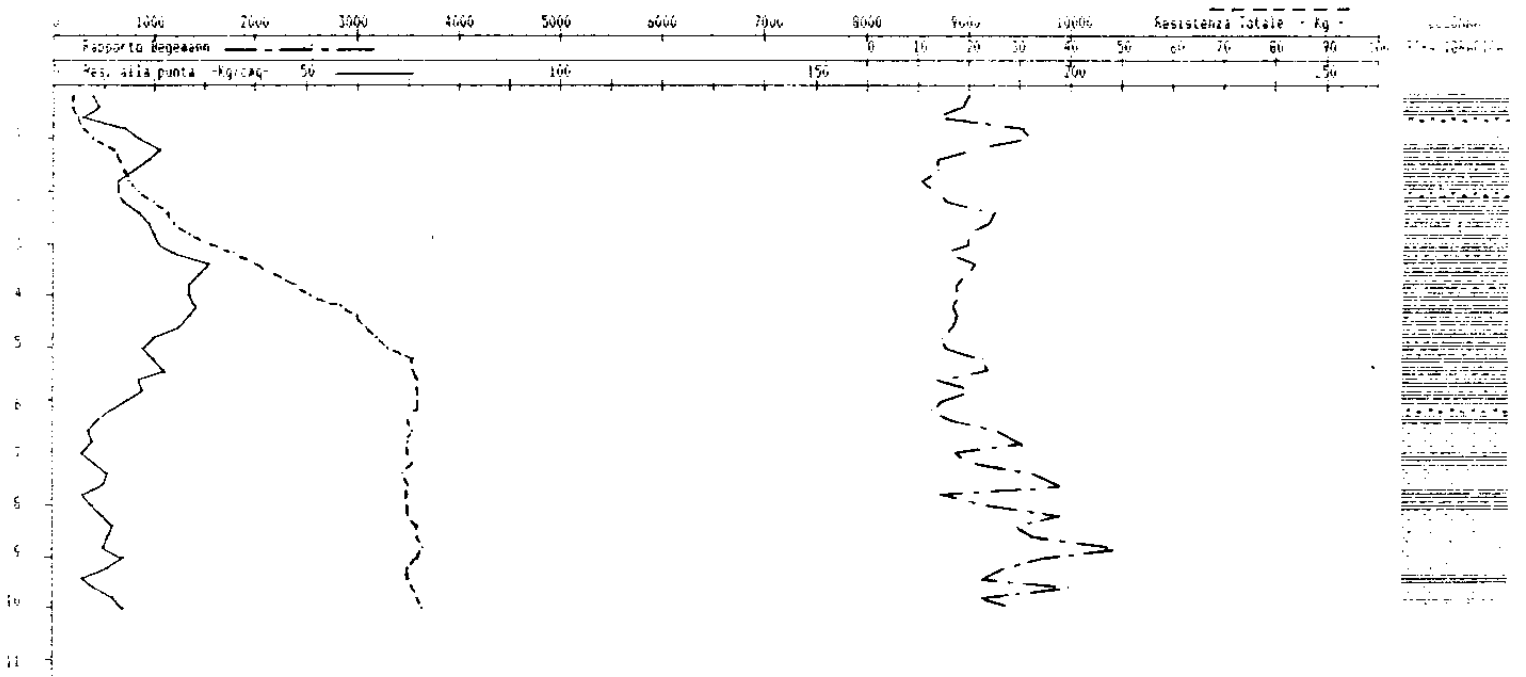
CERTIFICATO N.RO : 529-RA					CANTIERE : COSTRUZIONE FABBRICATO PER CIVILE ABITAZIONE												
I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X
I	0.00	24	32	0.53	45.28	I	10.00	6	12	0.40	15.00	I					
I	0.20	24	32	0.53	45.28	I	10.20	8	13	0.33	24.24	I					
I	0.40	25	37	0.80	31.25	I	10.40	10	16	0.40	25.00	I					
I	0.60	64	83	1.27	50.39	I						I					
I	0.80	64	80	1.07	59.81	I						I					
I	1.00	46	58	0.80	57.50	I						I					
I	1.20	14	28	0.93	15.05	I						I					
I	1.40	15	30	1.00	15.00	I						I					
I	1.60	17	34	1.13	15.04	I						I					
I	1.80	18	31	0.87	20.69	I						I					
I	2.00	18	31	0.87	20.69	I						I					
I	2.20	19	31	0.80	23.75	I						I					
I	2.40	17	28	0.73	23.29	I						I					
I	2.60	15	27	0.80	18.75	I						I					
I	2.80	14	24	0.67	20.90	I						I					
I	3.00	13	23	0.67	19.40	I						I					
I	3.20	10	19	0.60	16.67	I						I					
I	3.40	12	18	0.40	30.00	I						I					
I	3.60	12	17	0.33	36.36	I						I					
I	3.80	12	18	0.40	30.00	I						I					
I	4.00	9	15	0.40	22.50	I						I					
I	4.20	11	16	0.33	33.33	I						I					
I	4.40	13	18	0.33	39.39	I						I					
I	4.60	10	16	0.40	25.00	I						I					
I	4.80	13	17	0.27	48.15	I						I					
I	5.00	11	18	0.47	23.40	I						I					
I	5.20	10	18	0.53	18.87	I						I					
I	5.40	12	20	0.53	22.64	I						I					
I	5.60	15	21	0.40	37.50	I						I					
I	5.80	13	22	0.60	21.67	I						I					
I	6.00	12	19	0.47	25.53	I						I					
I	6.20	13	20	0.47	27.66	I						I					
I	6.40	14	22	0.53	26.42	I						I					
I	6.60	12	19	0.47	25.53	I						I					
I	6.80	5	12	0.47	10.64	I						I					
I	7.00	4	7	0.20	20.00	I						I					
I	7.20	4	6	0.13	30.77	I						I					
I	7.40	5	7	0.13	38.46	I						I					
I	7.60	5	8	0.20	25.00	I						I					
I	7.80	5	8	0.20	25.00	I						I					
I	8.00	7	11	0.27	25.93	I						I					
I	8.20	8	14	0.40	20.00	I						I					
I	8.40	11	18	0.47	23.40	I						I					
I	8.60	11	19	0.53	20.75	I						I					
I	8.80	11	21	0.67	16.42	I						I					
I	9.00	13	22	0.60	21.67	I						I					
I	9.20	10	19	0.60	16.67	I						I					
I	9.40	7	14	0.47	14.89	I						I					
I	9.60	6	11	0.33	18.18	I						I					
I	9.80	6	12	0.40	15.00	I						I					

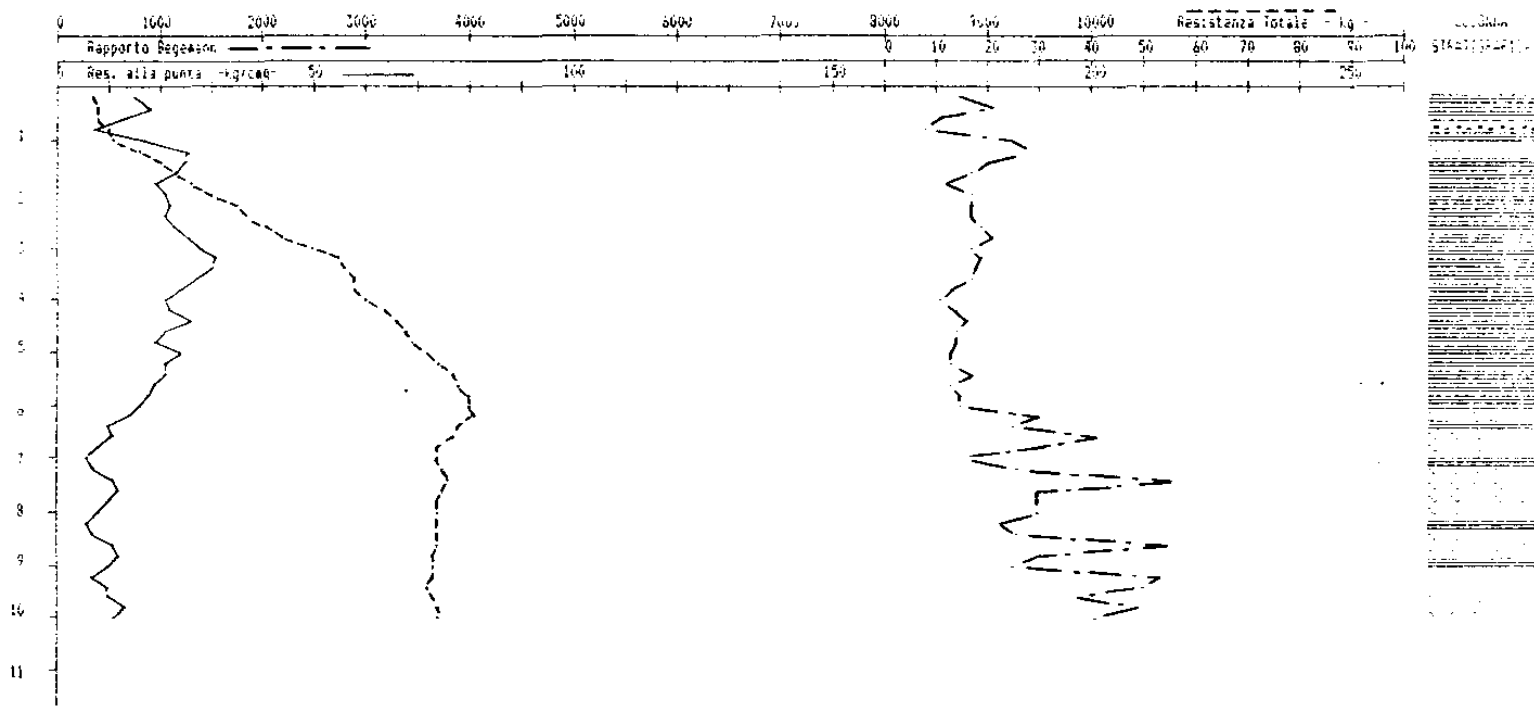
17

LEGENDA : PROF. = PROFONDITA' DI IMMISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dn/cmq
 QC = RESISTENZA SPECIFICA ALLA PUNTA dn/cmq X = RAPPORTO QC/FS t
 RL = RESISTENZA LATERALE TOTALE dn/cmq

LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO







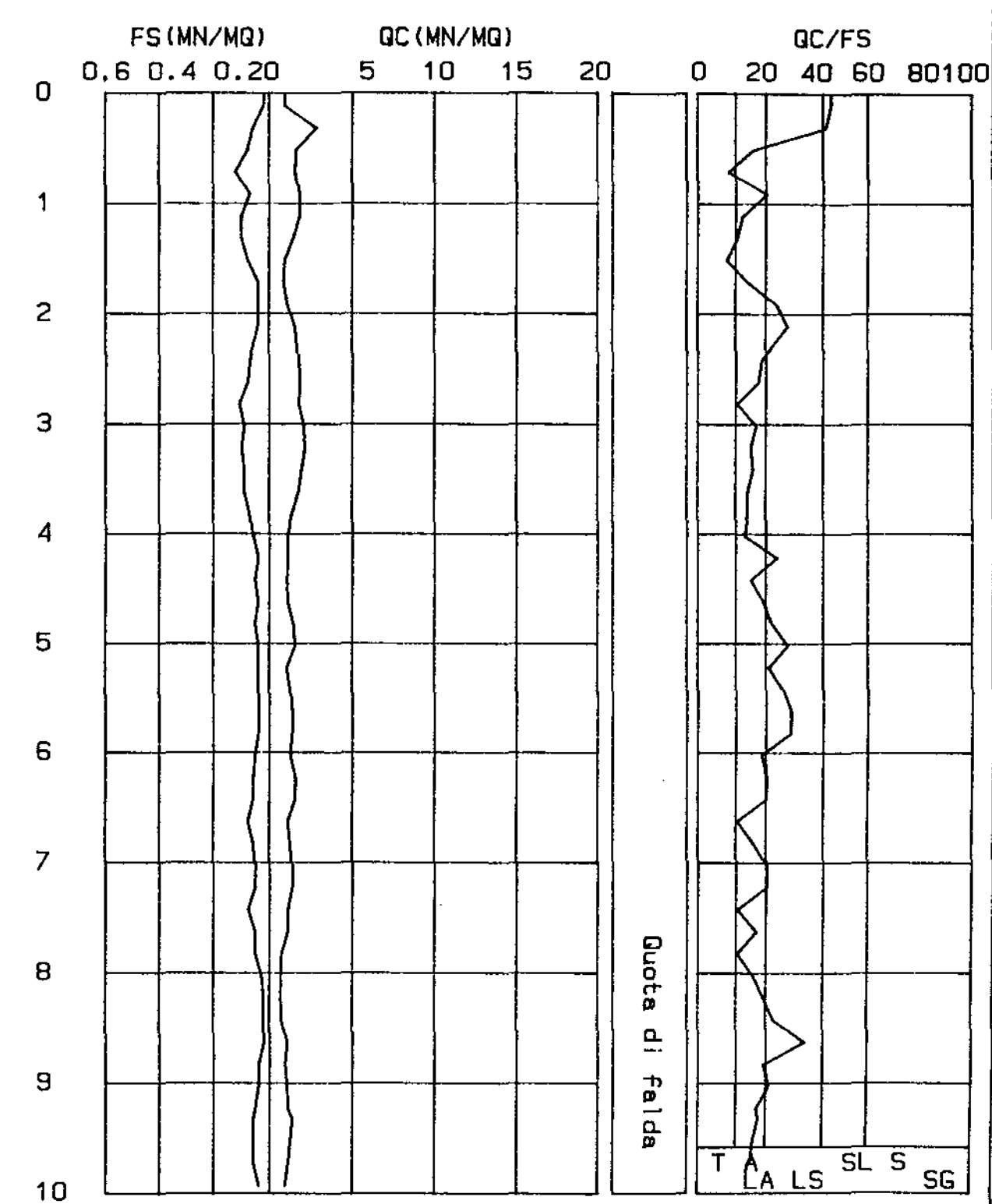
PROVA PENETROMETRICA STATICA

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CERTIFICATO N.RO : 530-AA						CANTIERE : FABBRICATO CIVILE ABITAZIONE													
I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	
I	0.00	10	13	0.20	50.00	I	10.00	10	17	0.47	21.28	I							I
I	0.20	10	13	0.20	50.00	I						I							I
I	0.40	29	38	0.60	48.33	I						I							I
I	0.60	17	29	0.80	21.25	I						I							I
I	0.80	16	35	1.27	12.60	I						I							I
I	1.00	19	30	0.73	26.03	I						I							I
I	1.20	19	35	1.07	17.76	I						I							I
I	1.40	15	30	1.00	15.00	I						I							I
I	1.60	10	23	0.87	11.49	I						I							I
I	1.80	9	16	0.47	19.15	I						I							I
I	2.00	12	18	0.40	30.00	I						I							I
I	2.20	16	23	0.47	34.04	I						I							I
I	2.40	18	29	0.73	24.66	I						I							I
I	2.60	19	31	0.80	23.75	I						I							I
I	2.80	18	35	1.13	15.93	I						I							I
I	3.00	21	35	0.93	22.58	I						I							I
I	3.20	22	38	1.07	20.56	I						I							I
I	3.40	20	34	0.95	21.51	I						I							I
I	3.60	18	32	0.93	19.35	I						I							I
I	3.80	14	25	0.73	19.18	I						I							I
I	4.00	11	20	0.60	18.33	I						I							I
I	4.20	12	18	0.40	30.00	I						I							I
I	4.40	11	19	0.53	20.75	I						I							I
I	4.60	12	19	0.47	25.53	I						I							I
I	4.80	15	23	0.53	28.30	I						I							I
I	5.00	16	23	0.47	34.04	I						I							I
I	5.20	1	17	1.07	0.93	I						I							I
I	5.40	13	19	0.40	32.50	I						I							I
I	5.60	14	20	0.40	35.00	I						I							I
I	5.80	14	20	0.40	35.00	I						I							I
I	6.00	13	21	0.53	24.53	I						I							I
I	6.20	16	25	0.60	26.67	I						I							I
I	6.40	16	25	0.60	26.67	I						I							I
I	6.60	12	24	0.80	15.00	I						I							I
I	6.80	13	22	0.60	21.67	I						I							I
I	7.00	14	22	0.53	26.42	I						I							I
I	7.20	14	22	0.53	26.42	I						I							I
I	7.40	12	24	0.80	15.00	I						I							I
I	7.60	12	20	0.53	22.64	I						I							I
I	7.80	8	16	0.53	15.09	I						I							I
I	8.00	7	12	0.33	21.21	I						I							I
I	8.20	7	11	0.27	25.93	I						I							I
I	8.40	8	12	0.27	29.63	I						I							I
I	8.60	11	15	0.27	40.74	I						I							I
I	8.80	10	16	0.40	25.00	I						I							I
I	9.00	11	17	0.40	27.50	I						I							I
I	9.20	12	20	0.53	22.64	I						I							I
I	9.40	14	23	0.60	23.33	I						I							I
I	9.60	13	22	0.60	21.67	I						I							I
I	9.80	12	21	0.60	20.00	I						I							I

LEGENDA : PROF. = PROFONDITA' DI INFSSIONE CH. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

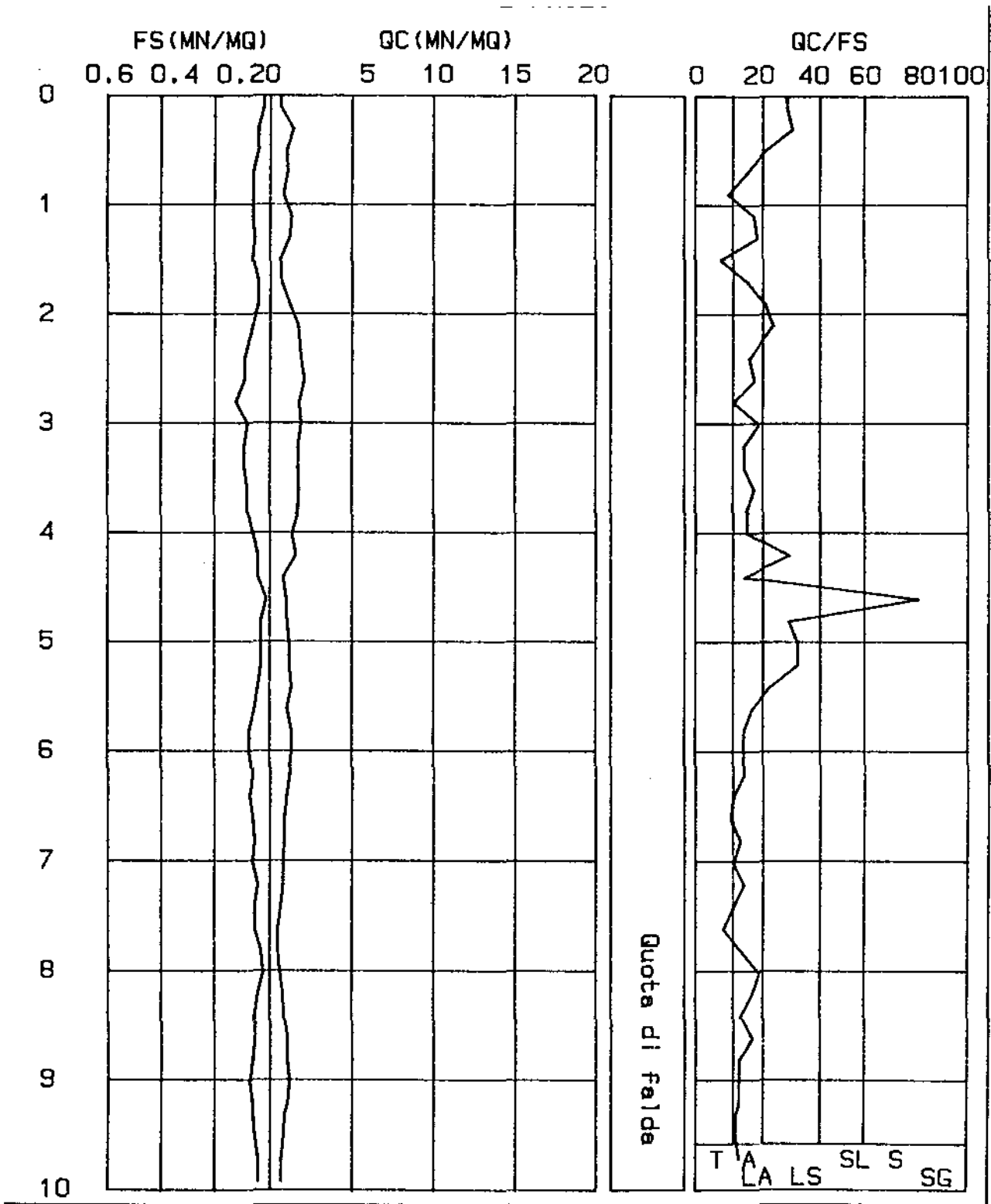


PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 531-AA					CANTIERE : FABBRICATO CIVILE ABITAZIONE													
I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I
I	0.00	7	10	0.20	35.00	I	10.00	8	14	0.40	20.00	I						I
I	0.20	7	10	0.20	35.00	I						I						I
I	0.40	15	21	0.40	37.50	I						I						I
I	0.60	11	17	0.40	27.50	I						I						I
I	0.80	12	21	0.60	20.00	I						I						I
I	1.00	9	19	0.67	13.43	I						I						I
I	1.20	14	23	0.60	23.33	I						I						I
I	1.40	13	21	0.53	24.53	I						I						I
I	1.60	7	17	0.67	10.45	I						I						I
I	1.80	8	14	0.40	20.00	I						I						I
I	2.00	13	20	0.47	27.66	I						I						I
I	2.20	18	27	0.60	30.00	I						I						I
I	2.40	20	34	0.93	21.51	I						I						I
I	2.60	22	36	0.93	23.66	I						I						I
I	2.80	19	37	1.20	15.83	I						I						I
I	3.00	20	32	0.80	25.00	I						I						I
I	3.20	18	32	0.93	19.35	I						I						I
I	3.40	18	32	0.93	19.35	I						I						I
I	3.60	19	31	0.80	23.75	I						I						I
I	3.80	18	31	0.87	20.69	I						I						I
I	4.00	14	24	0.67	20.90	I						I						I
I	4.20	17	24	0.47	36.17	I						I						I
I	4.40	9	16	0.47	19.15	I						I						I
I	4.60	11	13	0.15	84.62	I						I						I
I	4.80	12	17	0.33	36.36	I						I						I
I	5.00	13	18	0.33	39.39	I						I						I
I	5.20	13	18	0.33	39.39	I						I						I
I	5.40	14	21	0.47	29.79	I						I						I
I	5.60	12	20	0.53	22.64	I						I						I
I	5.80	14	25	0.73	19.18	I						I						I
I	6.00	14	25	0.73	19.18	I						I						I
I	6.20	13	23	0.67	19.40	I						I						I
I	6.40	11	22	0.73	15.07	I						I						I
I	6.60	10	20	0.67	14.93	I						I						I
I	6.80	10	18	0.53	18.87	I						I						I
I	7.00	9	18	0.60	15.00	I						I						I
I	7.20	9	16	0.47	19.15	I						I						I
I	7.40	8	16	0.53	15.09	I						I						I
I	7.60	6	14	0.53	11.32	I						I						I
I	7.80	6	11	0.33	18.18	I						I						I
I	8.00	7	11	0.27	25.93	I						I						I
I	8.20	9	15	0.40	22.50	I						I						I
I	8.40	10	18	0.53	18.87	I						I						I
I	8.60	12	20	0.53	22.64	I						I						I
I	8.80	12	22	0.67	17.91	I						I						I
I	9.00	13	24	0.73	17.81	I						I						I
I	9.20	12	22	0.67	17.91	I						I						I
I	9.40	10	19	0.60	16.67	I						I						I
I	9.60	9	17	0.53	16.98	I						I						I
I	9.80	8	15	0.47	17.02	I						I						I

LEGENDA : PROF. = PROFONDITA' DI ENFISSIONE CH. FS = RESISTENZA SPECIFICA AL MANICOITO dn/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dn/cm² X = RAPPORTO QC/FS
 RL = RESISTENZA LATERALE TOTALE dn/cm²

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

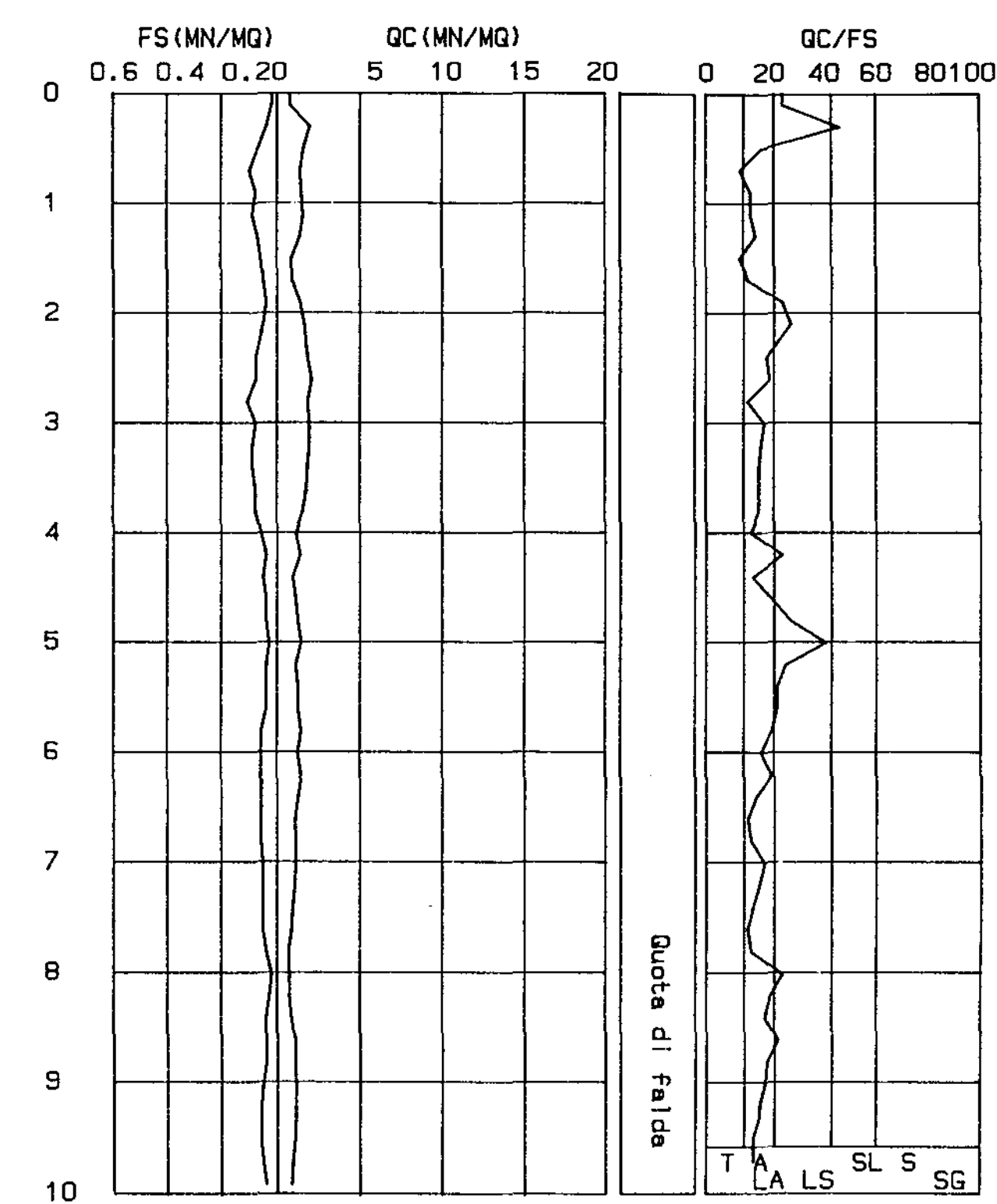


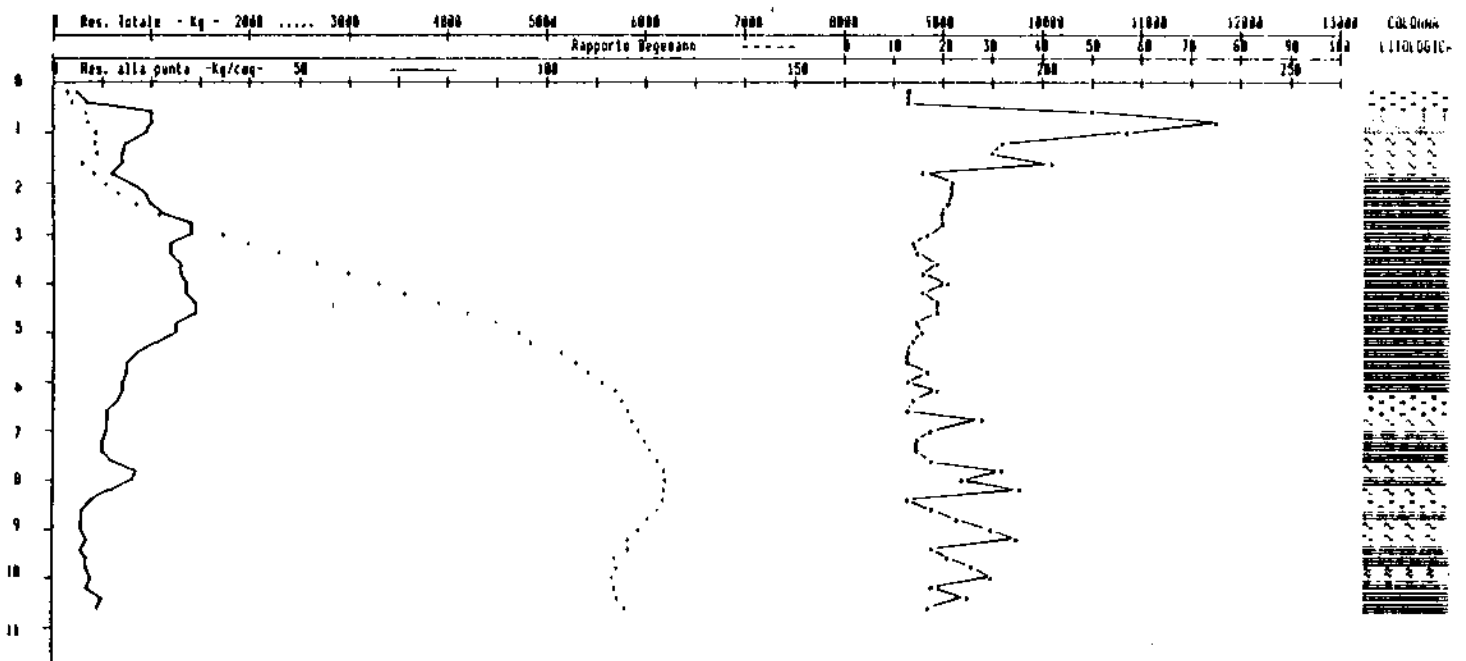
PROVA PNEUMOMETRICA STATICA

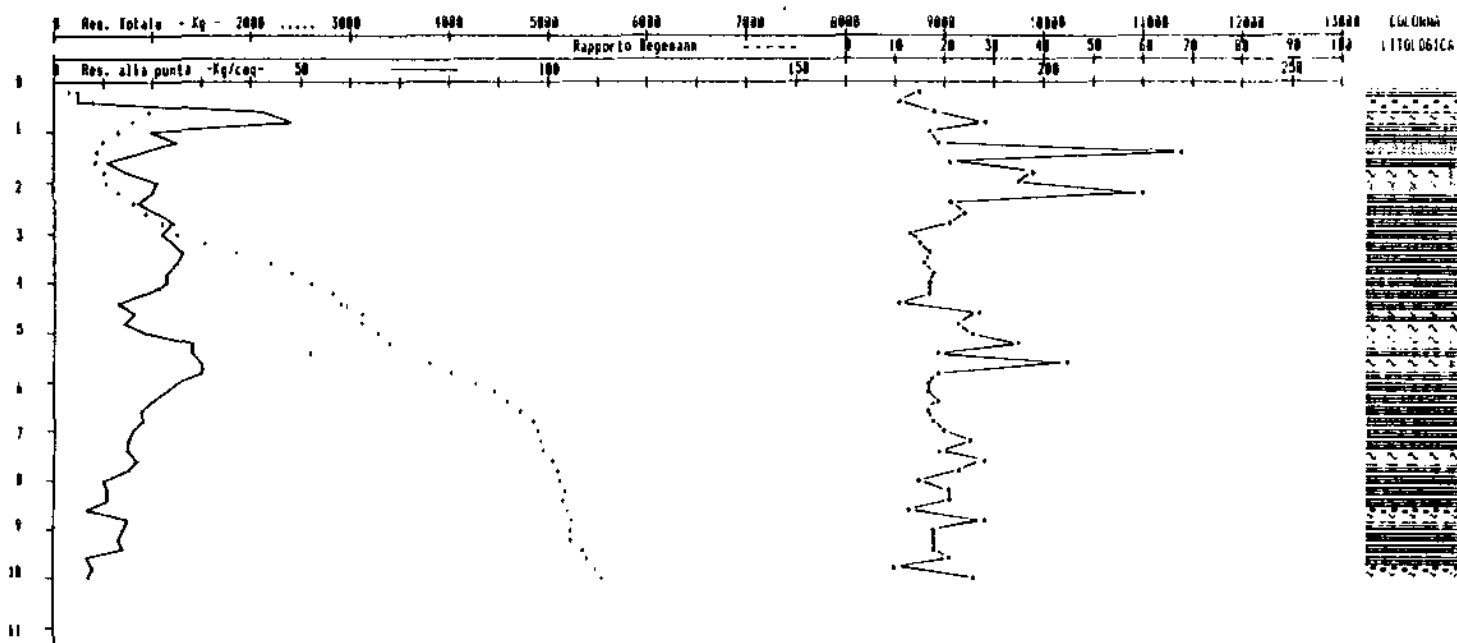
CERTIFICATO N.RO : 532-AA						CANTIERE : FABBRICATO CIVILE ABITAZIONE												
PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	
I	0.00	8	12	0.27	29.63	I	10.00	9	16	0.47	19.15	I						I
I	0.20	8	12	0.27	29.63	I						I						I
I	0.40	20	26	0.40	50.00	I						I						I
I	0.60	16	27	0.73	21.92	I						I						I
I	0.80	14	30	1.07	13.08	I						I						I
I	1.00	15	28	0.87	17.24	I						I						I
I	1.20	16	30	0.93	17.20	I						I						I
I	1.40	14	25	0.73	19.18	I						I						I
I	1.60	9	19	0.67	13.43	I						I						I
I	1.80	9	17	0.53	16.98	I						I						I
I	2.00	14	21	0.47	29.79	I						I						I
I	2.20	17	25	0.53	32.08	I						I						I
I	2.40	19	31	0.80	23.75	I						I						I
I	2.60	21	34	0.87	24.14	I						I						I
I	2.80	19	36	1.13	16.81	I						I						I
I	3.00	20	33	0.87	22.99	I						I						I
I	3.20	20	34	0.93	21.51	I						I						I
I	3.40	19	33	0.93	20.43	I						I						I
I	3.60	18	31	0.87	20.69	I						I						I
I	3.80	16	28	0.80	20.00	I						I						I
I	4.00	12	22	0.67	17.91	I						I						I
I	4.20	14	21	0.47	29.79	I						I						I
I	4.40	10	18	0.53	18.87	I						I						I
I	4.60	12	19	0.47	25.53	I						I						I
I	4.80	13	19	0.40	32.50	I						I						I
I	5.00	15	20	0.33	45.45	I						I						I
I	5.20	12	18	0.40	30.00	I						I						I
I	5.40	13	20	0.47	27.66	I						I						I
I	5.60	13	20	0.47	27.66	I						I						I
I	5.80	15	24	0.60	25.00	I						I						I
I	6.00	15	22	0.60	21.67	I						I						I
I	6.20	15	24	0.60	25.00	I						I						I
I	6.40	13	23	0.67	19.40	I						I						I
I	6.60	11	21	0.67	16.42	I						I						I
I	6.80	12	22	0.67	17.91	I						I						I
I	7.00	12	20	0.53	22.64	I						I						I
I	7.20	11	19	0.53	20.75	I						I						I
I	7.40	10	18	0.53	18.87	I						I						I
I	7.60	9	17	0.53	16.98	I						I						I
I	7.80	7	13	0.40	17.50	I						I						I
I	8.00	8	12	0.27	29.63	I						I						I
I	8.20	8	13	0.33	24.24	I						I						I
I	8.40	9	15	0.40	22.50	I						I						I
I	8.60	11	17	0.40	27.50	I						I						I
I	8.80	11	18	0.47	23.40	I						I						I
I	9.00	12	20	0.53	22.64	I						I						I
I	9.20	12	21	0.60	20.00	I						I						I
I	9.40	12	21	0.60	20.00	I						I						I
I	9.60	11	20	0.60	18.33	I						I						I
I	9.80	10	18	0.53	18.87	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO





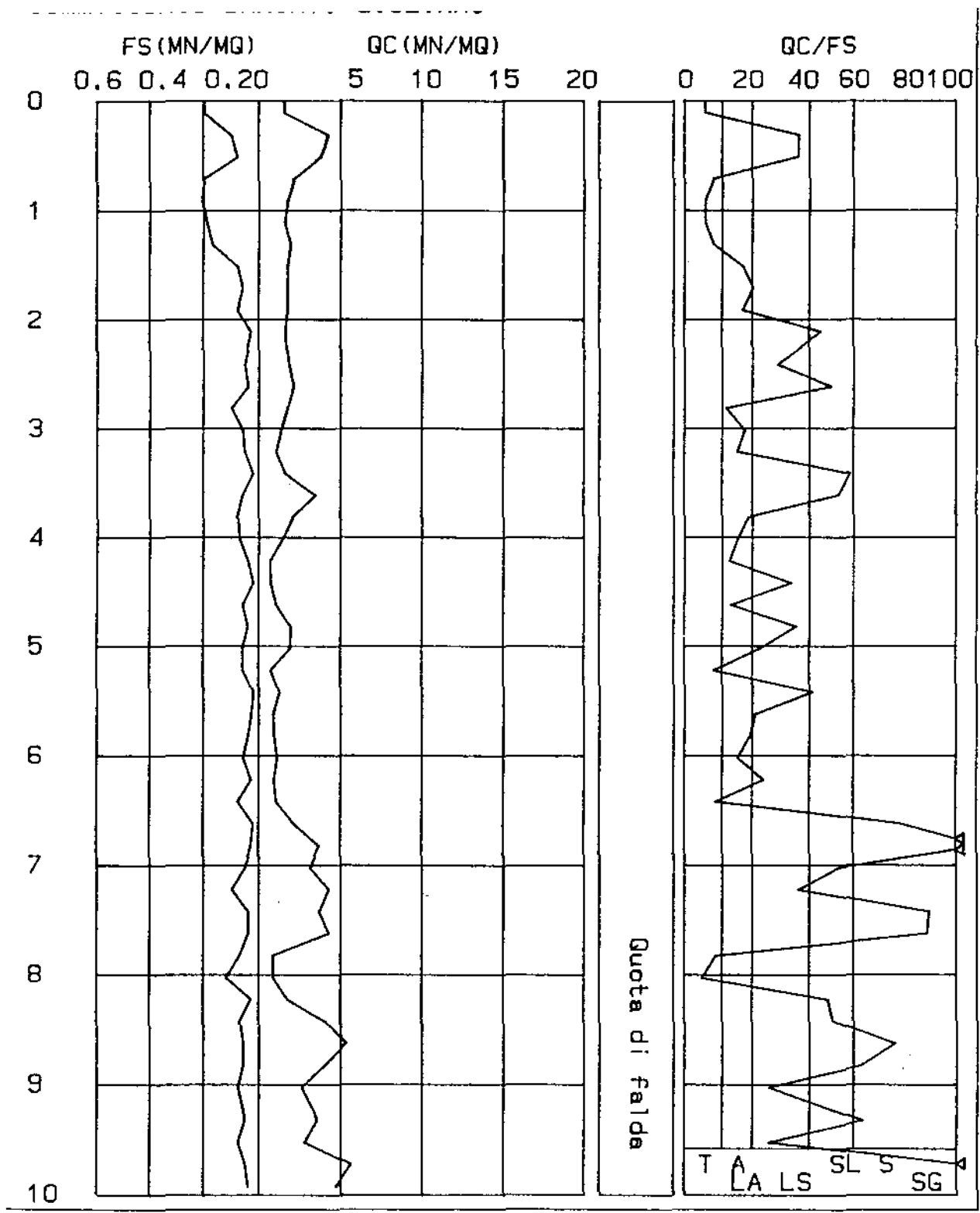


PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 428-AA						CANTIERE : COMPLESSO RESIDENZIALE PER N°6 VILLETTE A SCHIERA													
I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	
I	0.00	16	46	2.00	8.00	I	10.00	47	54	0.47	100.00	I							
I	0.20	16	46	2.00	8.00	I	10.20	55	72	1.13	48.67	I							
I	0.40	43	58	1.00	43.00	I	10.40	47	65	1.20	39.17	I							
I	0.60	38	51	0.87	43.68	I	10.60	34	46	0.80	42.50	I							
I	0.80	22	52	2.00	11.00	I						I							
I	1.00	18	49	2.07	8.70	I						I							
I	1.20	16	44	1.87	8.56	I						I							
I	1.40	20	46	1.73	11.56	I						I							
I	1.60	18	30	0.80	22.50	I						I							
I	1.80	18	28	0.67	26.87	I						I							
I	2.00	18	30	0.80	22.50	I						I							
I	2.20	17	22	0.33	51.52	I						I							
I	2.40	19	27	0.53	35.85	I						I							
I	2.60	22	28	0.40	55.00	I						I							
I	2.80	18	34	1.07	16.82	I						I							
I	3.00	14	23	0.60	23.33	I						I							
I	3.20	11	19	0.53	20.75	I						I							
I	3.40	17	21	0.27	62.96	I						I							
I	3.60	35	44	0.60	58.33	I						I							
I	3.80	21	34	0.87	24.14	I						I							
I	4.00	15	26	0.73	20.55	I						I							
I	4.20	7	13	0.40	17.50	I						I							
I	4.40	8	11	0.20	40.00	I						I							
I	4.60	11	20	0.60	18.33	I						I							
I	4.80	20	27	0.47	42.55	I						I							
I	5.00	20	30	0.67	29.85	I						I							
I	5.20	8	18	0.67	11.94	I						I							
I	5.40	13	17	0.27	48.15	I						I							
I	5.60	9	14	0.33	27.27	I						I							
I	5.80	10	16	0.40	25.00	I						I							
I	6.00	12	21	0.60	20.00	I						I							
I	6.20	10	15	0.33	30.30	I						I							
I	6.40	11	24	0.87	12.64	I						I							
I	6.60	22	26	0.27	81.48	I						I							
I	6.80	37	42	0.33	112.12	I						I							
I	7.00	31	39	0.53	58.49	I						I							
I	7.20	43	58	1.00	43.00	I						I							
I	7.40	37	43	0.40	92.50	I						I							
I	7.60	43	50	0.47	91.49	I						I							
I	7.80	9	20	0.73	12.33	I						I							
I	8.00	9	27	1.20	7.50	I						I							
I	8.20	18	23	0.33	54.55	I						I							
I	8.40	41	52	0.73	56.16	I						I							
I	8.60	53	63	0.67	79.10	I						I							
I	8.80	40	49	0.60	66.67	I						I							
I	9.00	26	38	0.80	32.50	I						I							
I	9.20	33	42	0.60	55.00	I						I							
I	9.40	36	44	0.53	67.92	I						I							
I	9.60	28	41	0.87	32.18	I						I							
I	9.80	56	64	0.53	105.66	I						I							

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CH. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

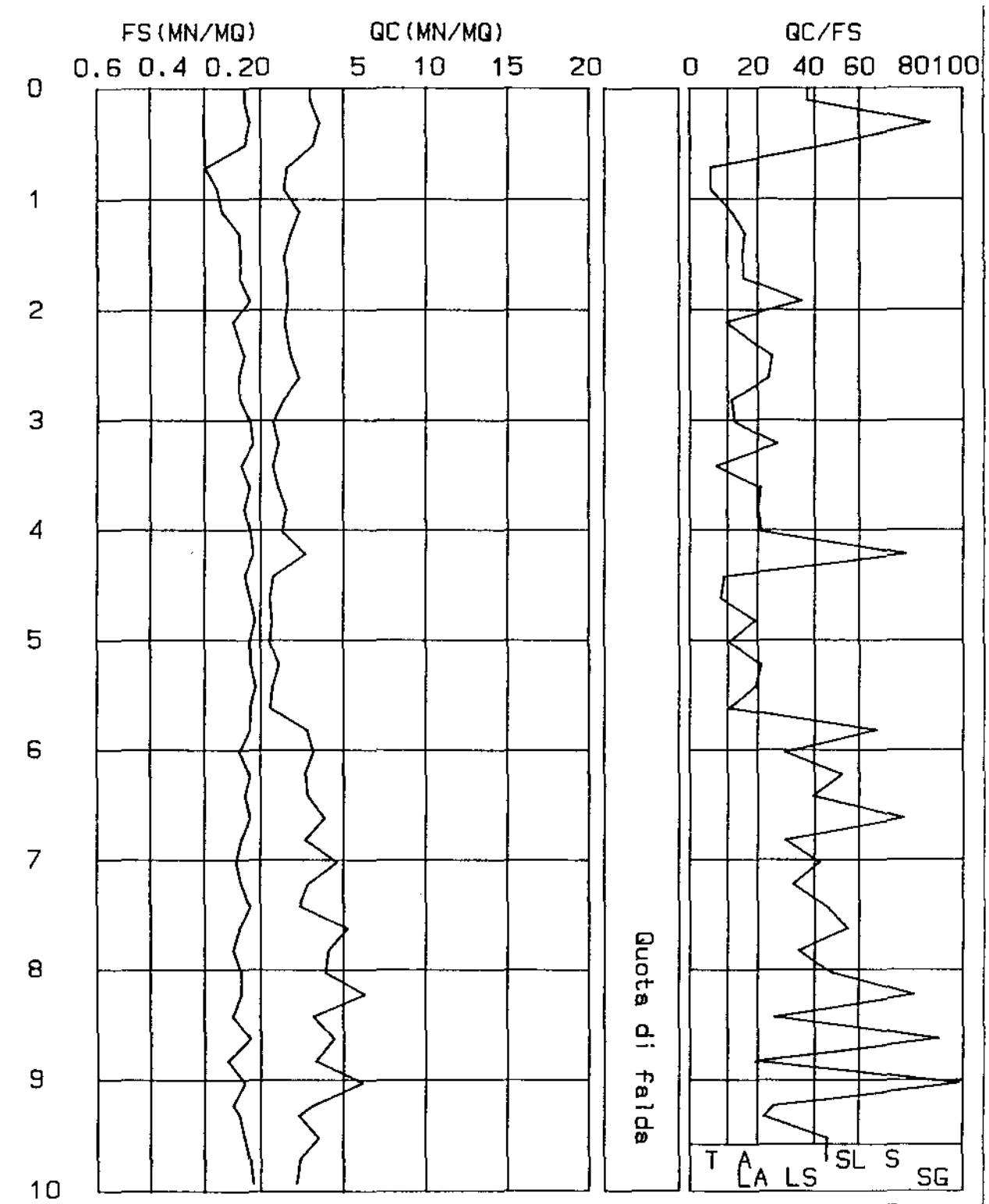


PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 429-AA						CANTIERE : COMPLESSO RESIDENZIALE PER N°6 VILLETTE A SCHIERA											
PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I
0.00	30	40	0.67	44.78	I	10.00	22	27	0.33	66.67	I						
0.20	30	40	0.67	44.78	I	10.20	36	46	0.67	53.73	I						
0.40	36	42	0.40	90.00	I	10.40	40	49	0.60	66.67	I						
0.60	31	40	0.60	51.67	I	10.60	39	49	0.67	58.21	I						
0.80	16	46	2.00	8.00	I						I						
1.00	14	38	1.60	8.75	I						I						
1.20	24	46	1.47	16.33	I						I						
1.40	19	32	0.87	21.84	I						I						
1.60	15	26	0.73	20.55	I						I						
1.80	16	28	0.80	20.00	I						I						
2.00	17	23	0.40	42.50	I						I						
2.20	15	31	1.07	14.02	I						I						
2.40	19	28	0.60	31.67	I						I						
2.60	24	36	0.80	30.00	I						I						
2.80	14	27	0.87	16.09	I						I						
3.00	8	15	0.47	17.02	I						I						
3.20	11	16	0.33	33.33	I						I						
3.40	8	19	0.73	10.96	I						I						
3.60	11	17	0.40	27.50	I						I						
3.80	16	25	0.60	26.67	I						I						
4.00	13	20	0.47	27.66	I						I						
4.20	27	32	0.33	81.82	I						I						
4.40	8	17	0.60	13.33	I						I						
4.60	6	13	0.47	12.77	I						I						
4.80	7	11	0.27	25.93	I						I						
5.00	6	12	0.40	15.00	I						I						
5.20	11	17	0.40	27.50	I						I						
5.40	7	11	0.27	25.93	I						I						
5.60	6	12	0.40	15.00	I						I						
5.80	28	34	0.40	70.00	I						I						
6.00	32	45	0.87	36.78	I						I						
6.20	27	34	0.47	57.45	I						I						
6.40	28	37	0.60	46.67	I						I						
6.60	38	45	0.47	80.85	I						I						
6.80	27	38	0.73	36.99	I						I						
7.00	46	60	0.93	49.46	I						I						
7.20	29	40	0.73	39.73	I						I						
7.40	24	31	0.47	51.06	I						I						
7.60	52	65	0.87	59.77	I						I						
7.80	41	56	1.00	41.00	I						I						
8.00	39	50	0.73	53.42	I						I						
8.20	62	73	0.73	84.93	I						I						
8.40	32	47	1.00	32.00	I						I						
8.60	44	51	0.47	93.62	I						I						
8.80	33	52	1.27	25.98	I						I						
9.00	61	70	0.60	101.67	I						I						
9.20	32	47	1.00	32.00	I						I						
9.40	23	35	0.80	28.75	I						I						
9.60	35	45	0.67	52.24	I						I						
9.80	24	31	0.47	51.06	I						I						

LEGENDA : PROF. = PROFONDITA' DI INFSSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLA



PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 430-AA

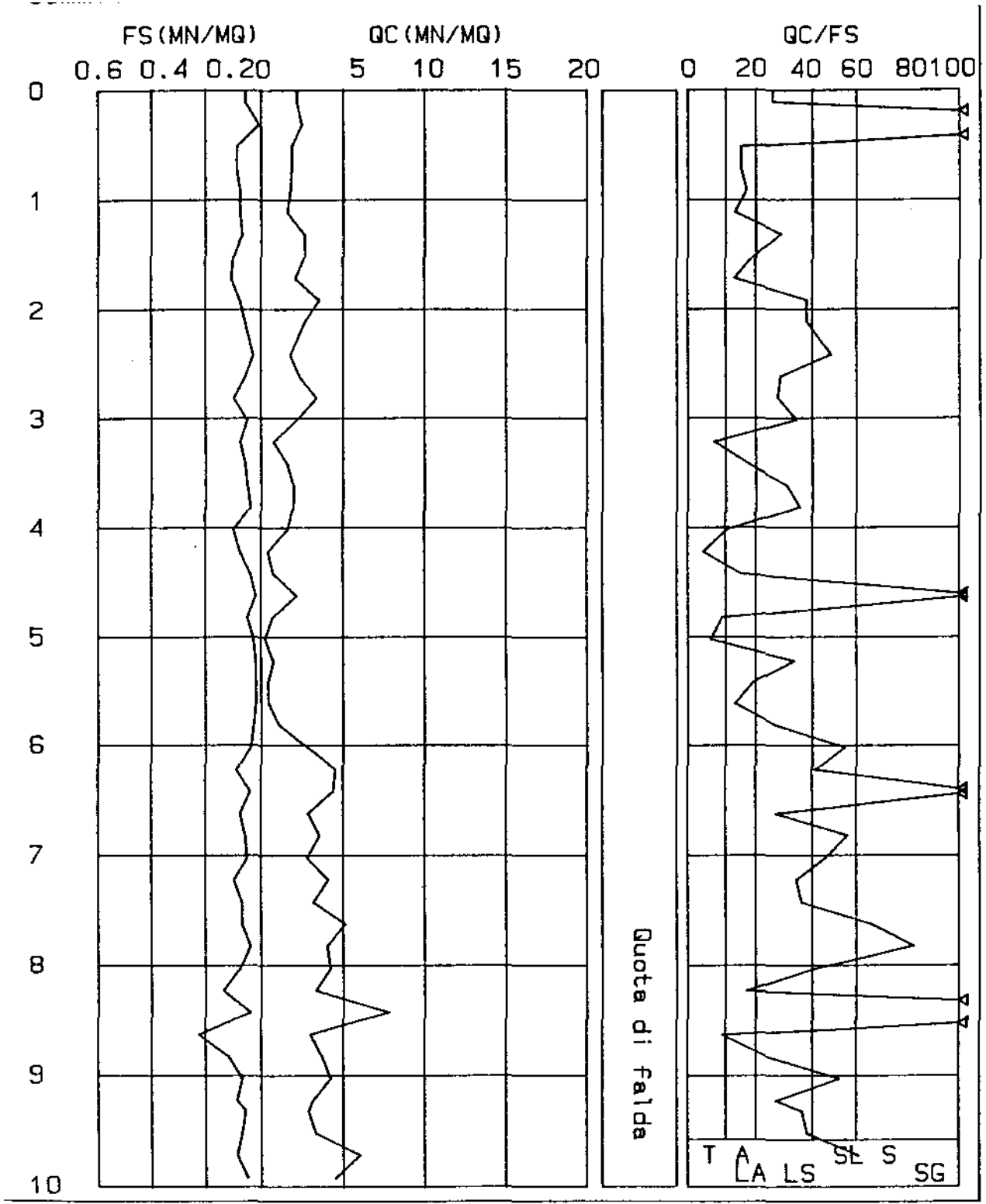
CANTIERE

:COMPLESSO RESIDENZIALE PER N°6 VILLETTE A SCHIERA

I	PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X	I
I	0.00	22	32	0.67	32.84	I	10.00	45	53	0.53	84.91	I						I
I	0.20	22	32	0.67	32.84	I	10.20	33	45	0.80	41.25	I						I
I	0.40	25	27	0.13	192.31	I	10.40	34	45	0.73	46.58	I						I
I	0.60	19	33	0.93	20.43	I	10.60	34	43	0.60	56.67	I						I
I	0.80	19	33	0.93	20.43	I						I						I
I	1.00	18	30	0.80	22.50	I						I						I
I	1.20	16	29	0.87	18.39	I						I						I
I	1.40	26	37	0.73	35.62	I						I						I
I	1.60	27	43	1.07	25.23	I						I						I
I	1.80	21	38	1.13	18.58	I						I						I
I	2.00	36	48	0.80	45.00	I						I						I
I	2.20	27	36	0.60	45.00	I						I						I
I	2.40	18	23	0.33	54.55	I						I						I
I	2.60	24	34	0.67	35.82	I						I						I
I	2.80	34	49	1.00	34.00	I						I						I
I	3.00	22	30	0.53	41.51	I						I						I
I	3.20	8	20	0.80	10.00	I						I						I
I	3.40	16	26	0.67	23.88	I						I						I
I	3.60	20	28	0.53	37.74	I						I						I
I	3.80	20	27	0.47	42.55	I						I						I
I	4.00	17	33	1.07	15.89	I						I						I
I	4.20	5	17	0.80	6.25	I						I						I
I	4.40	8	14	0.40	20.00	I						I						I
I	4.60	22	25	0.20	110.00	I						I						I
I	4.80	7	15	0.53	13.21	I						I						I
I	5.00	3	8	0.33	9.09	I						I						I
I	5.20	8	11	0.20	40.00	I						I						I
I	5.40	5	8	0.20	25.00	I						I						I
I	5.60	5	9	0.27	18.52	I						I						I
I	5.80	11	16	0.33	33.33	I						I						I
I	6.00	28	35	0.47	59.57	I						I						I
I	6.20	45	59	0.93	48.39	I						I						I
I	6.40	44	50	0.40	110.00	I						I						I
I	6.60	29	42	0.87	33.33	I						I						I
I	6.80	36	45	0.60	60.00	I						I						I
I	7.00	28	36	0.53	52.83	I						I						I
I	7.20	41	56	1.00	41.00	I						I						I
I	7.40	32	43	0.73	43.84	I						I						I
I	7.60	51	62	0.73	69.86	I						I						I
I	7.80	40	47	0.47	85.11	I						I						I
I	8.00	42	55	0.87	48.28	I						I						I
I	8.20	33	55	1.47	22.45	I						I						I
I	8.40	77	83	0.40	192.50	I						I						I
I	8.60	30	64	2.27	13.22	I						I						I
I	8.80	37	55	1.20	30.83	I						I						I
I	9.00	42	53	0.73	57.53	I						I						I
I	9.20	31	45	0.93	33.33	I						I						I
I	9.40	29	39	0.67	43.28	I						I						I
I	9.60	33	44	0.73	45.21	I						I						I
I	9.80	60	74	0.93	64.52	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

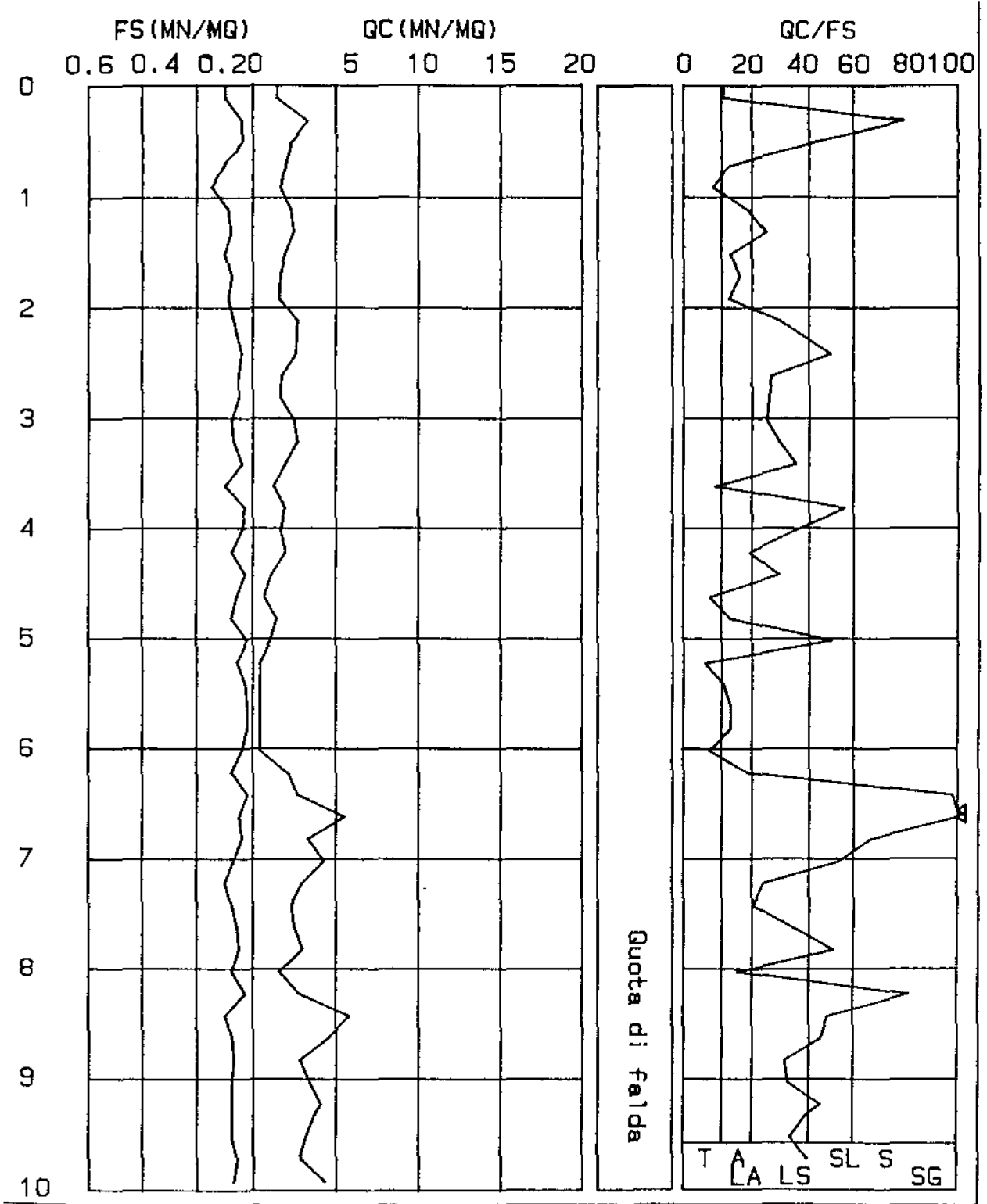


PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 431-AA					CANTIERE : COMPLESSO RESIDENZIALE PER N°6 VILLETTE A SCHIERA									
PROF.	QC	RL	FS	X	PROF.	QC	RL	FS	X	PROF.	QC	RL	FS	X
I	0.00	15	30	1.00	15.00	I	10.00	43	54	0.73	58.90	I		
I	0.20	15	30	1.00	15.00	I	10.20	31	42	0.73	42.47	I		
I	0.40	33	39	0.40	82.50	I	10.40	50	61	0.73	68.49	I		
I	0.60	23	30	0.47	48.94	I	10.60	68	85	1.13	60.18	I		
I	0.80	20	37	1.13	17.70	I						I		
I	1.00	17	40	1.53	11.11	I						I		
I	1.20	23	37	0.93	24.73	I						I		
I	1.40	25	37	0.80	31.25	I						I		
I	1.60	20	36	1.07	18.69	I						I		
I	1.80	17	29	0.80	21.25	I						I		
I	2.00	16	30	0.93	17.20	I						I		
I	2.20	27	38	0.73	36.99	I						I		
I	2.40	26	33	0.47	55.32	I						I		
I	2.60	18	26	0.53	33.96	I						I		
I	2.80	17	25	0.53	32.08	I						I		
I	3.00	25	37	0.80	31.25	I						I		
I	3.20	27	38	0.73	36.99	I						I		
I	3.40	20	27	0.47	42.55	I						I		
I	3.60	13	29	1.07	12.15	I						I		
I	3.80	20	25	0.33	60.61	I						I		
I	4.00	17	23	0.40	42.50	I						I		
I	4.20	20	32	0.80	25.00	I						I		
I	4.40	12	17	0.33	36.36	I						I		
I	4.60	7	17	0.67	10.45	I						I		
I	4.80	15	27	0.80	18.75	I						I		
I	5.00	11	14	0.20	55.00	I						I		
I	5.20	5	14	0.60	8.33	I						I		
I	5.40	5	10	0.33	15.15	I						I		
I	5.60	5	9	0.27	18.52	I						I		
I	5.80	5	9	0.27	18.52	I						I		
I	6.00	5	12	0.47	10.64	I						I		
I	6.20	21	34	0.87	24.14	I						I		
I	6.40	27	31	0.27	100.00	I						I		
I	6.60	55	63	0.53	103.77	I						I		
I	6.80	33	40	0.47	70.21	I						I		
I	7.00	43	54	0.73	58.90	I						I		
I	7.20	30	45	1.00	30.00	I						I		
I	7.40	23	36	0.87	26.44	I						I		
I	7.60	25	34	0.60	41.67	I						I		
I	7.80	30	38	0.53	56.60	I						I		
I	8.00	16	28	0.80	20.00	I						I		
I	8.20	28	33	0.33	84.85	I						I		
I	8.40	58	74	1.07	54.21	I						I		
I	8.60	45	58	0.87	51.72	I						I		
I	8.80	28	39	0.73	38.36	I						I		
I	9.00	34	47	0.87	39.08	I						I		
I	9.20	41	53	0.80	51.25	I						I		
I	9.40	37	49	0.80	46.25	I						I		
I	9.60	32	44	0.80	40.00	I						I		
I	9.80	28	37	0.60	46.67	I						I		

LEGENDA : PROF. = PROFONDITA' DI INFIESSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS t
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

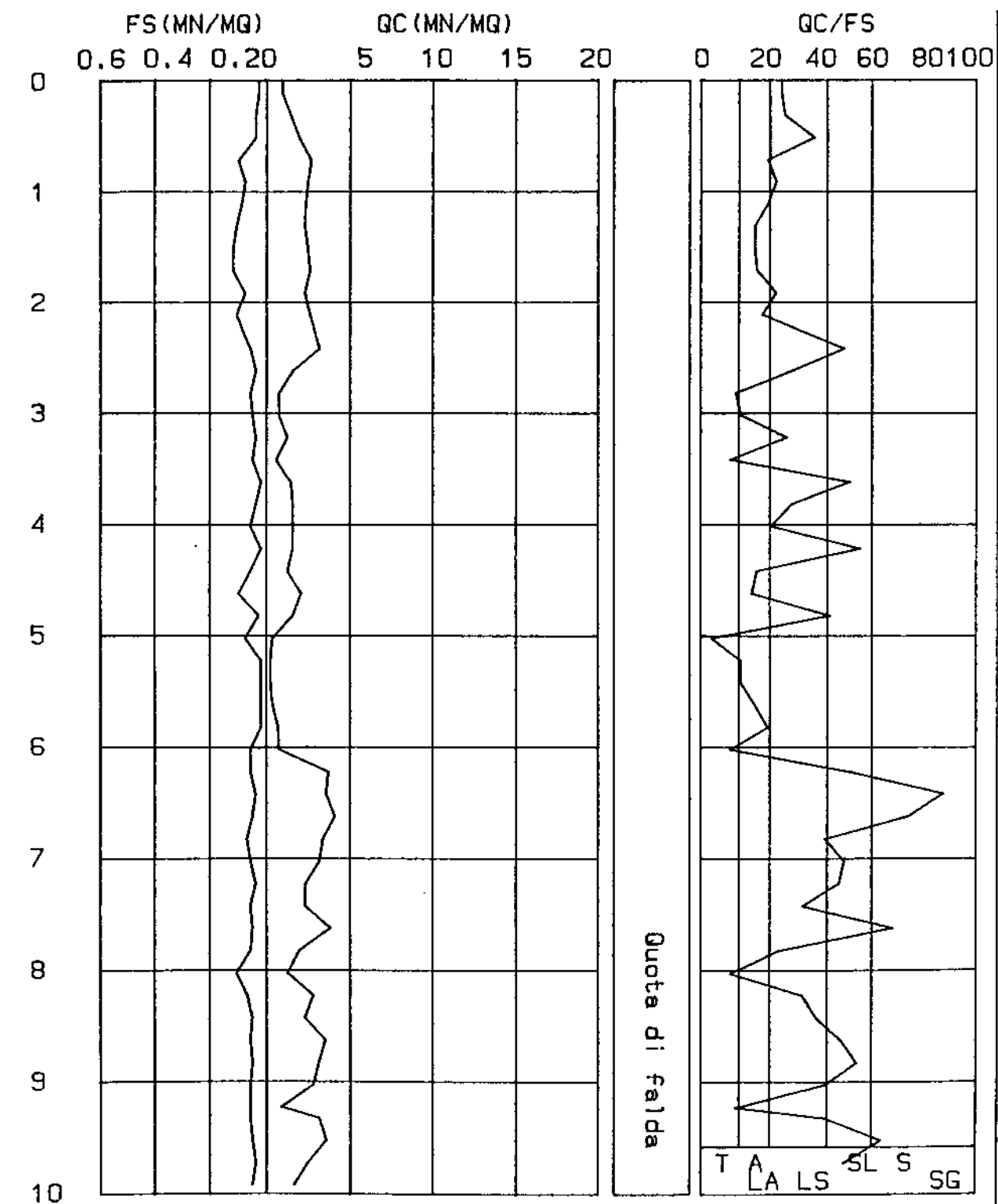


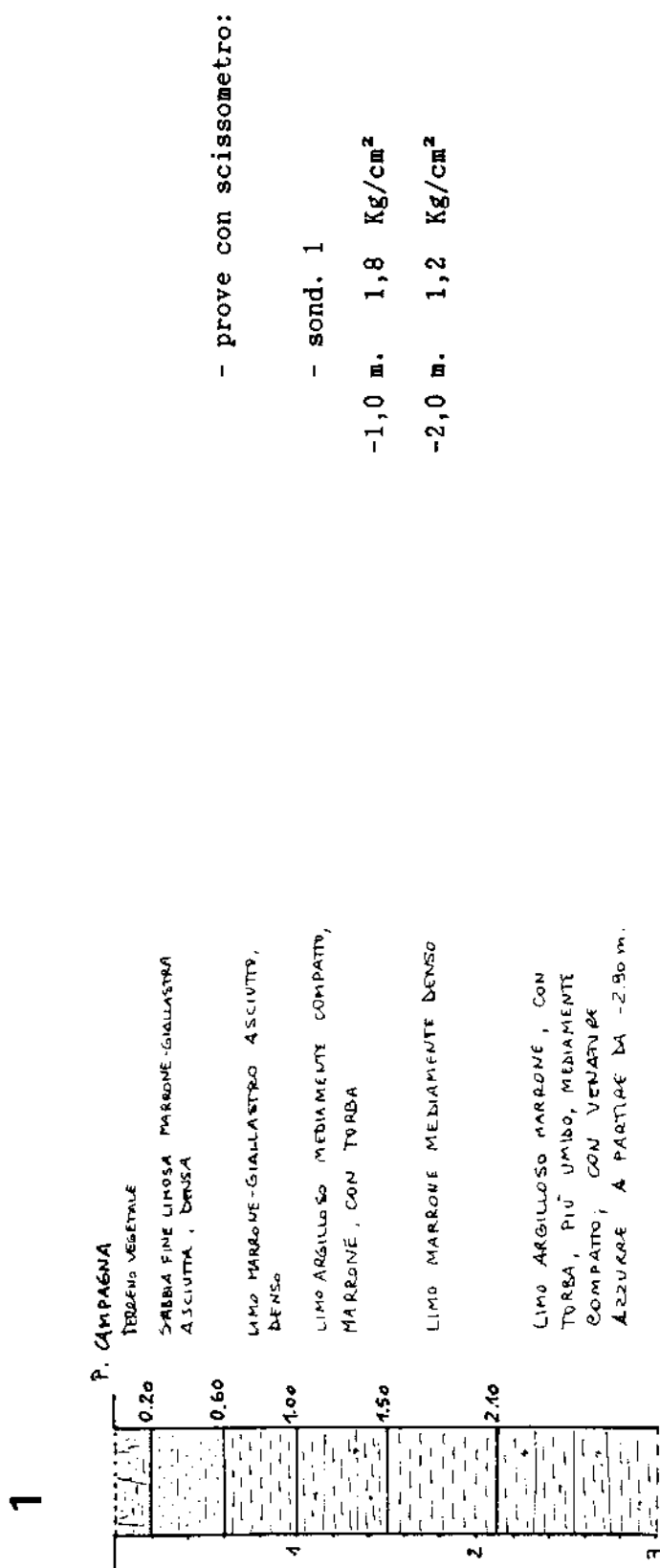
PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 432-AA					CANTIERE : COMPLESSO RESIDENZIALE PER N°6 VILLETTE A SCHIERA														
I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	
I	0.00	10	15	0.33	30.30	I	10.00	17	25	0.53	32.08	I							
I	0.20	10	15	0.33	30.30	I	10.20	24	33	0.60	40.00	I							
I	0.40	15	22	0.47	31.91	I	10.40	26	34	0.53	49.06	I							
I	0.60	20	27	0.47	42.55	I	10.60	28	34	0.40	70.00	I							
I	0.80	27	43	1.07	25.23	I						I							
I	1.00	25	38	0.87	28.74	I						I							
I	1.20	24	38	0.93	25.81	I						I							
I	1.40	23	40	1.13	20.35	I						I							
I	1.60	25	43	1.20	20.83	I						I							
I	1.80	26	44	1.20	21.67	I						I							
I	2.00	23	35	0.80	28.75	I						I							
I	2.20	26	43	1.13	23.01	I						I							
I	2.40	32	41	0.60	53.33	I						I							
I	2.60	16	23	0.47	34.04	I						I							
I	2.80	8	17	0.60	13.33	I						I							
I	3.00	8	16	0.53	15.09	I						I							
I	3.20	13	19	0.40	32.50	I						I							
I	3.40	6	14	0.53	11.32	I						I							
I	3.60	15	19	0.27	55.56	I						I							
I	3.80	16	23	0.47	34.04	I						I							
I	4.00	16	25	0.60	26.67	I						I							
I	4.20	16	20	0.27	59.26	I						I							
I	4.40	13	22	0.60	21.67	I						I							
I	4.60	21	37	1.07	19.63	I						I							
I	4.80	16	21	0.33	48.48	I						I							
I	5.00	4	17	0.87	4.60	I						I							
I	5.20	3	6	0.20	15.00	I						I							
I	5.40	3	6	0.20	15.00	I						I							
I	5.60	4	7	0.20	20.00	I						I							
I	5.80	7	11	0.27	25.93	I						I							
I	6.00	8	18	0.67	11.94	I						I							
I	6.20	37	47	0.67	55.22	I						I							
I	6.40	36	42	0.40	90.00	I						I							
I	6.60	41	49	0.53	77.36	I						I							
I	6.80	34	45	0.73	46.58	I						I							
I	7.00	32	41	0.60	53.33	I						I							
I	7.20	24	31	0.47	51.06	I						I							
I	7.40	23	32	0.60	38.33	I						I							
I	7.60	38	46	0.53	71.70	I						I							
I	7.80	20	30	0.67	29.85	I						I							
I	8.00	13	30	1.13	11.50	I						I							
I	8.20	28	39	0.73	38.36	I						I							
I	8.40	23	31	0.53	43.40	I						I							
I	8.60	35	45	0.67	52.24	I						I							
I	8.80	31	39	0.53	58.49	I						I							
I	9.00	28	37	0.60	46.67	I						I							
I	9.20	9	19	0.67	13.43	I						I							
I	9.40	31	41	0.67	46.27	I						I							
I	9.60	36	44	0.53	67.92	I						I							
I	9.80	25	32	0.47	53.19	I						I							

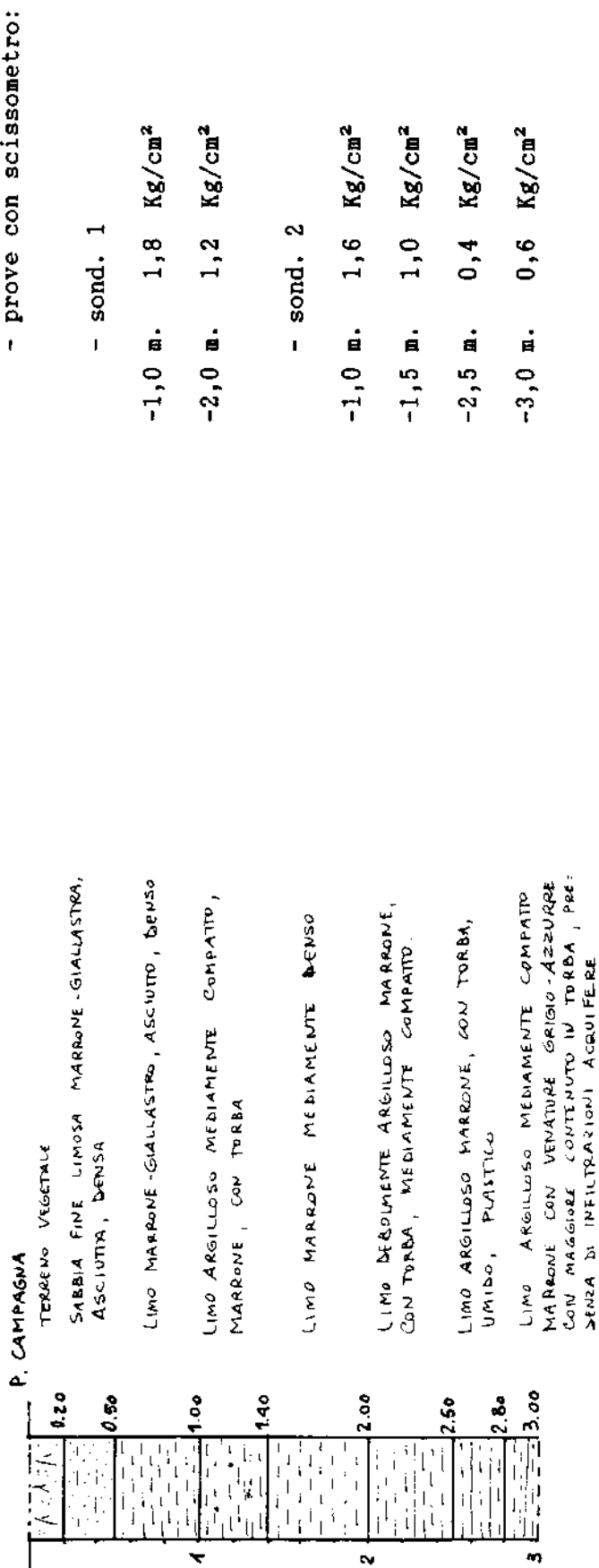
LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

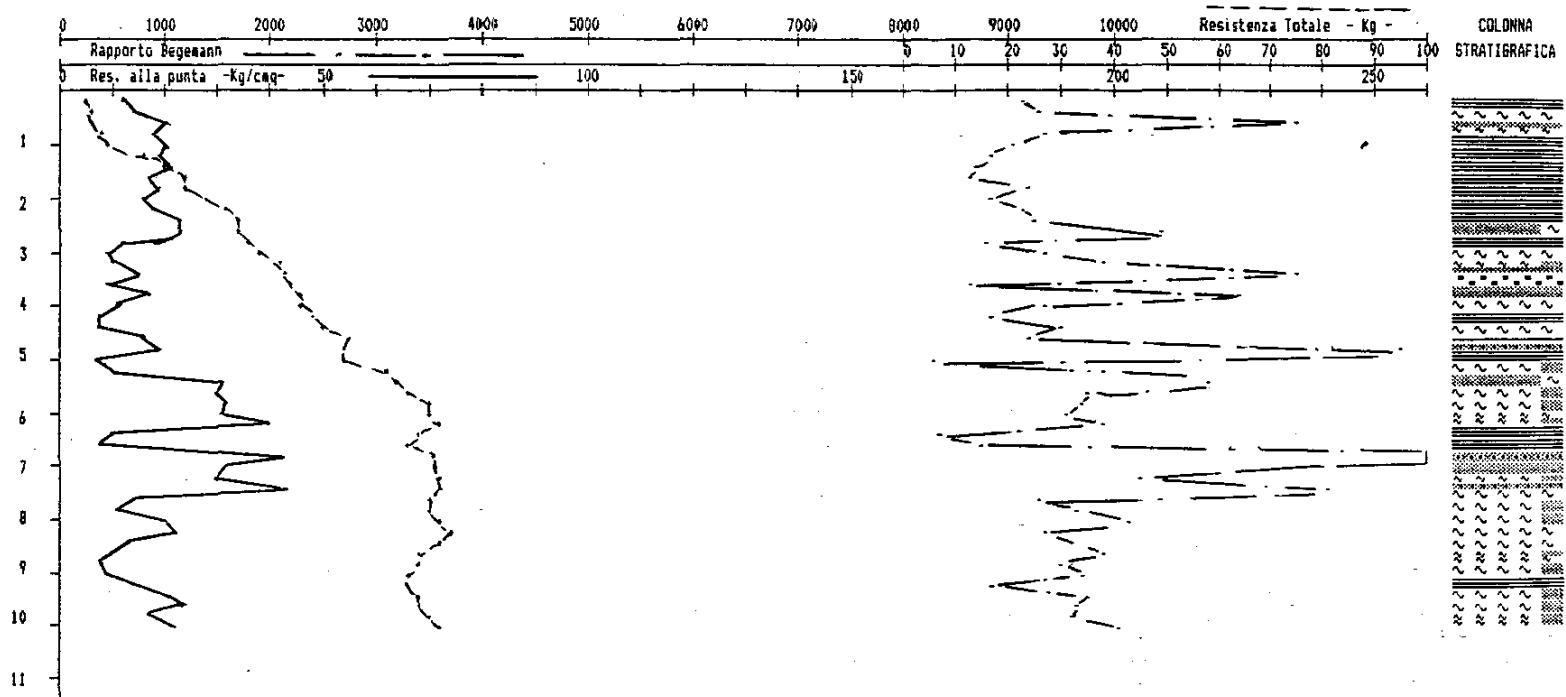
LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO



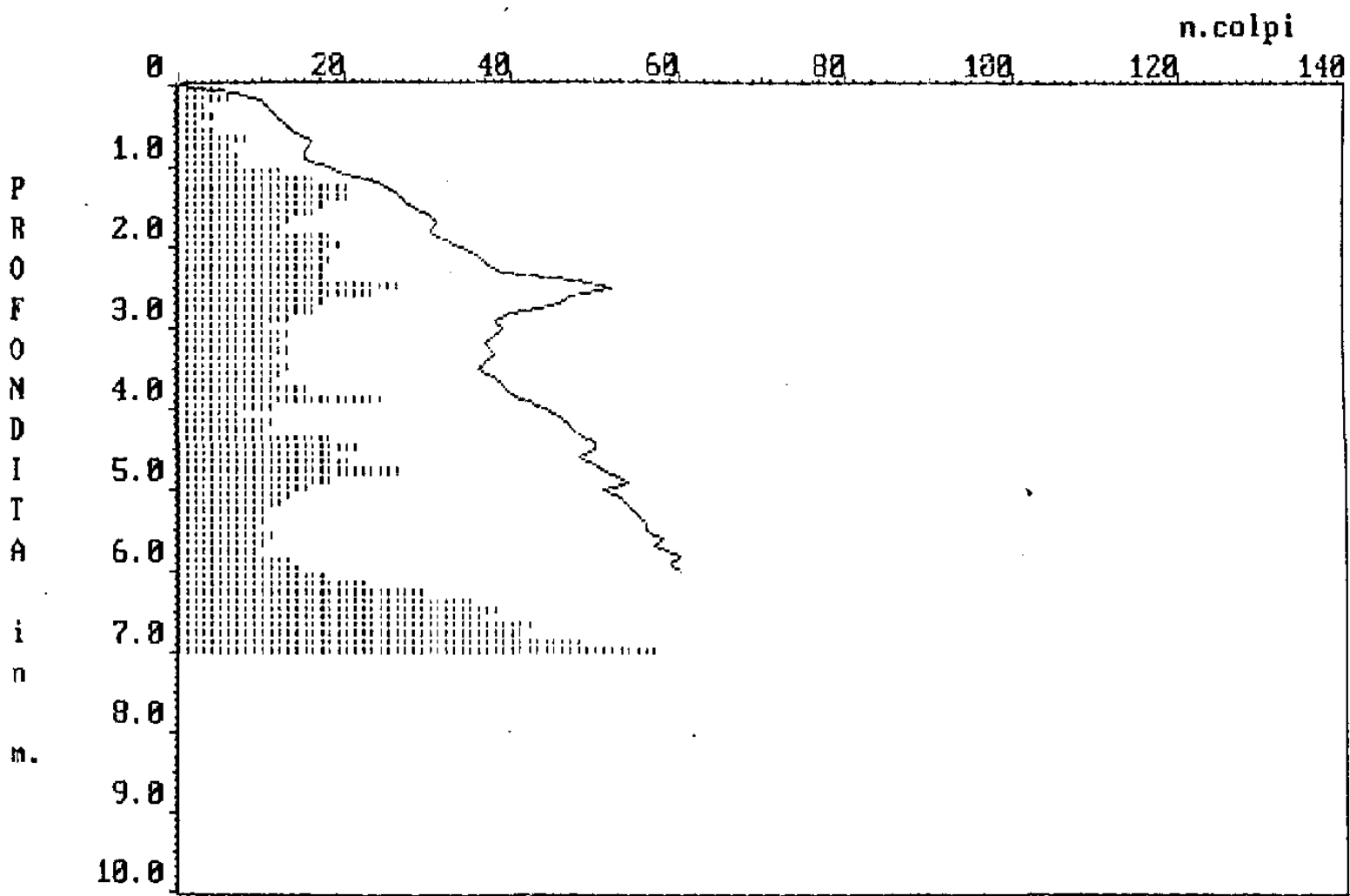


2



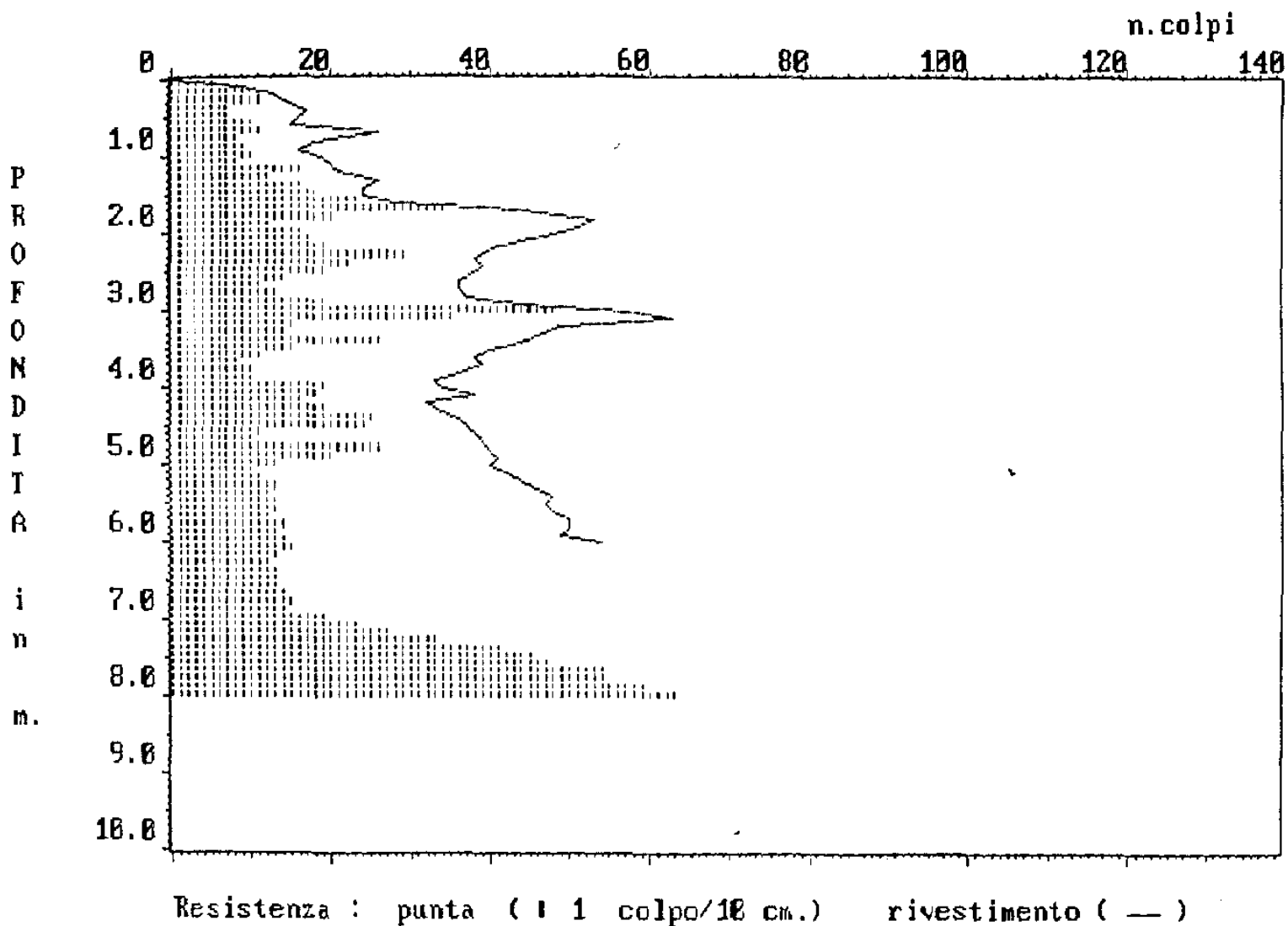


PROVA PENEIROMETRICA [S.C.P.I.] N. 1

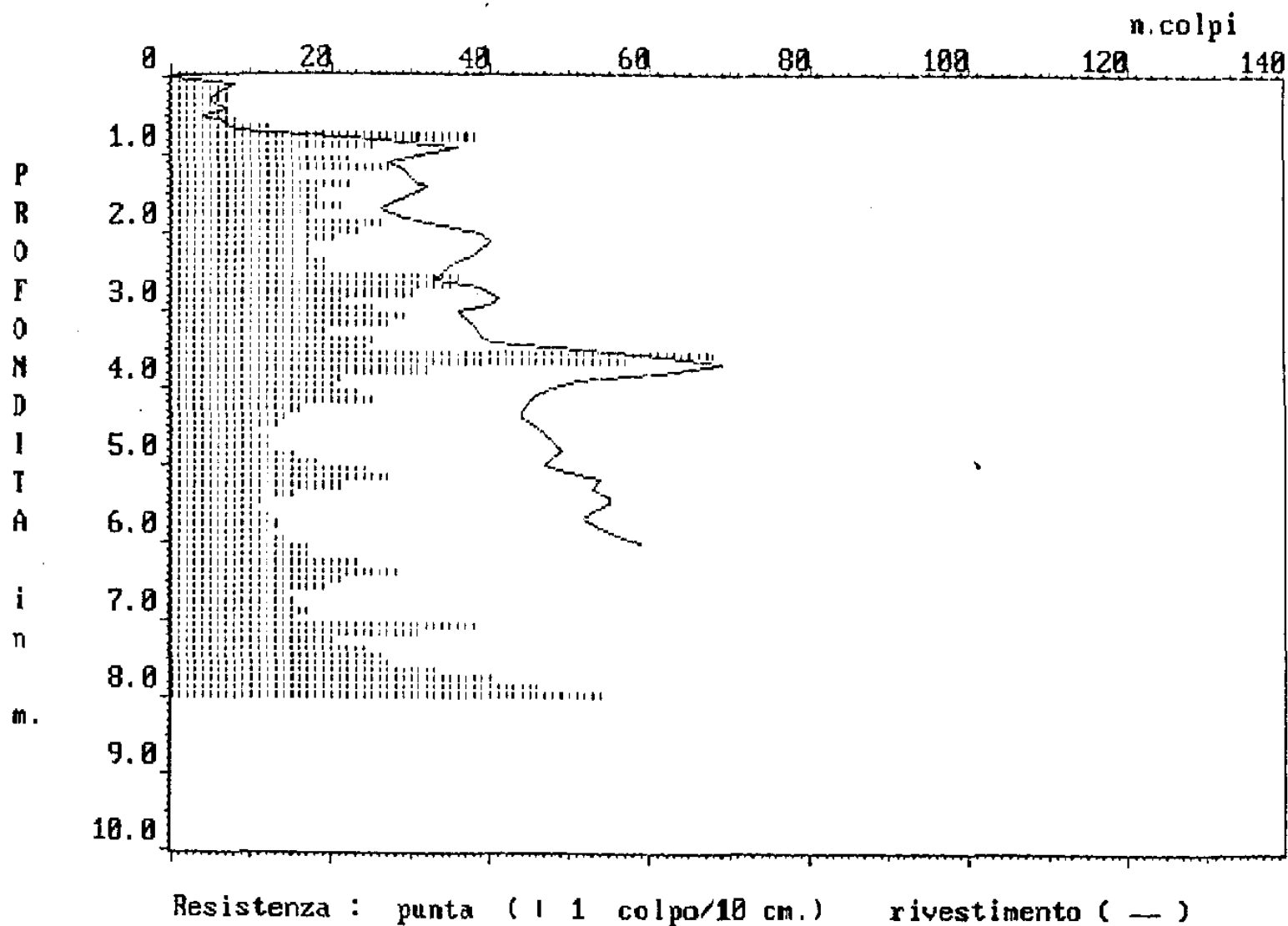


Resistenza : punta (· · · · ·) 1 colpo/10 cm. rivestimento (—)

PROVA PENETROMETRICA [S.C.P.T.] N. 2

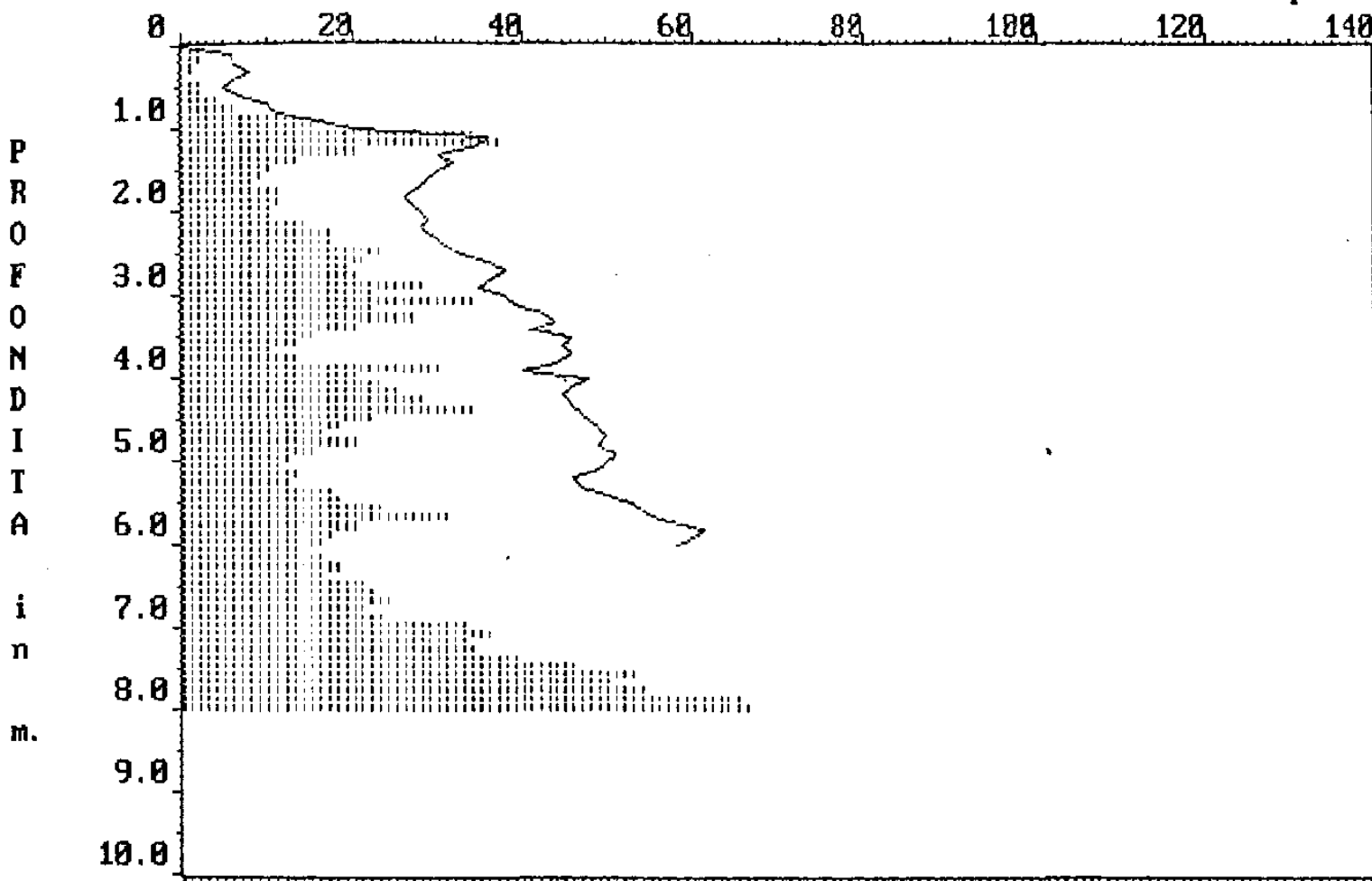
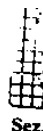


PROVA PENETROMETRICA I.S.C.P.T.1 N. 3



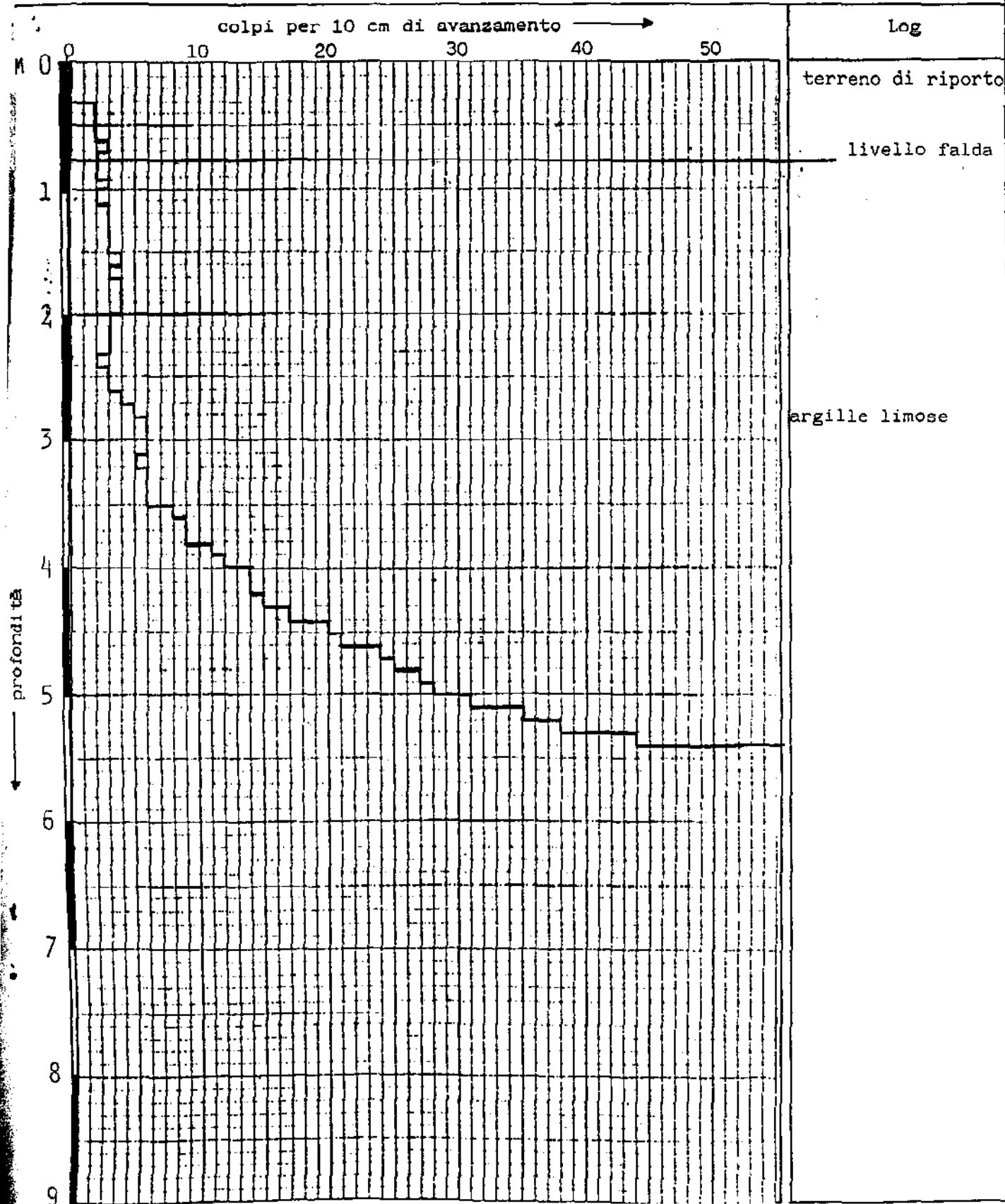
PROVA PENETROMETRICA [S.C.P.I.] N. 4

n.colpi



Resistenza : punta (. . . colpo/10 cm.) rivestimento (—)

PENETROMETRIA N° 1



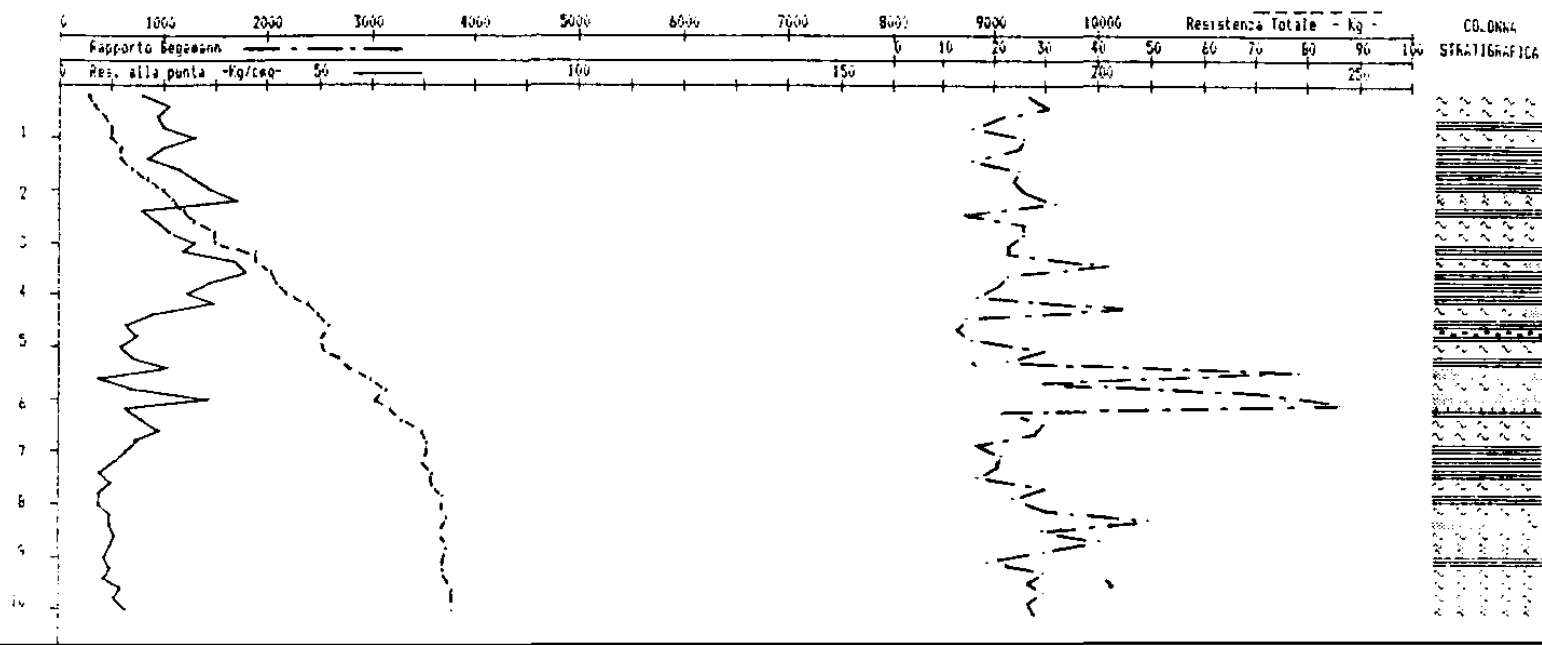
DYNAMIC-PENETROMETER TEST

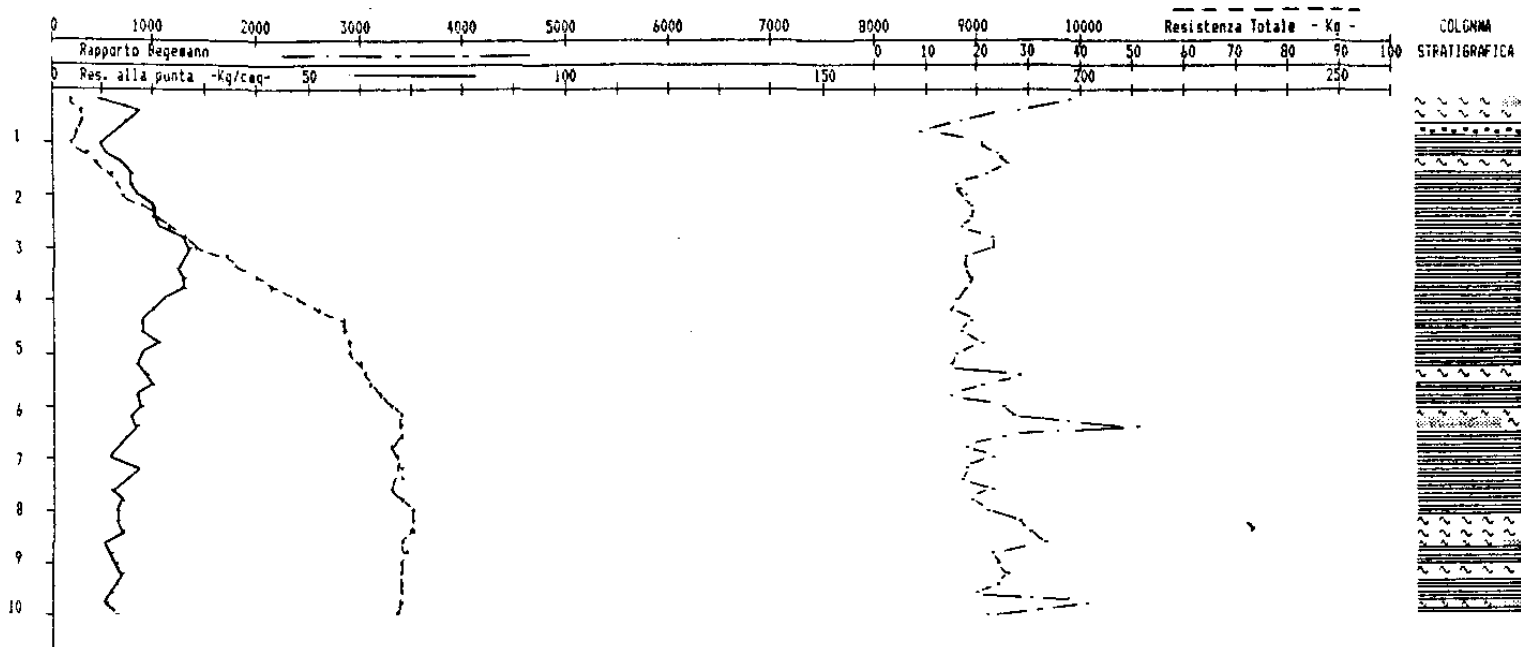
N. →

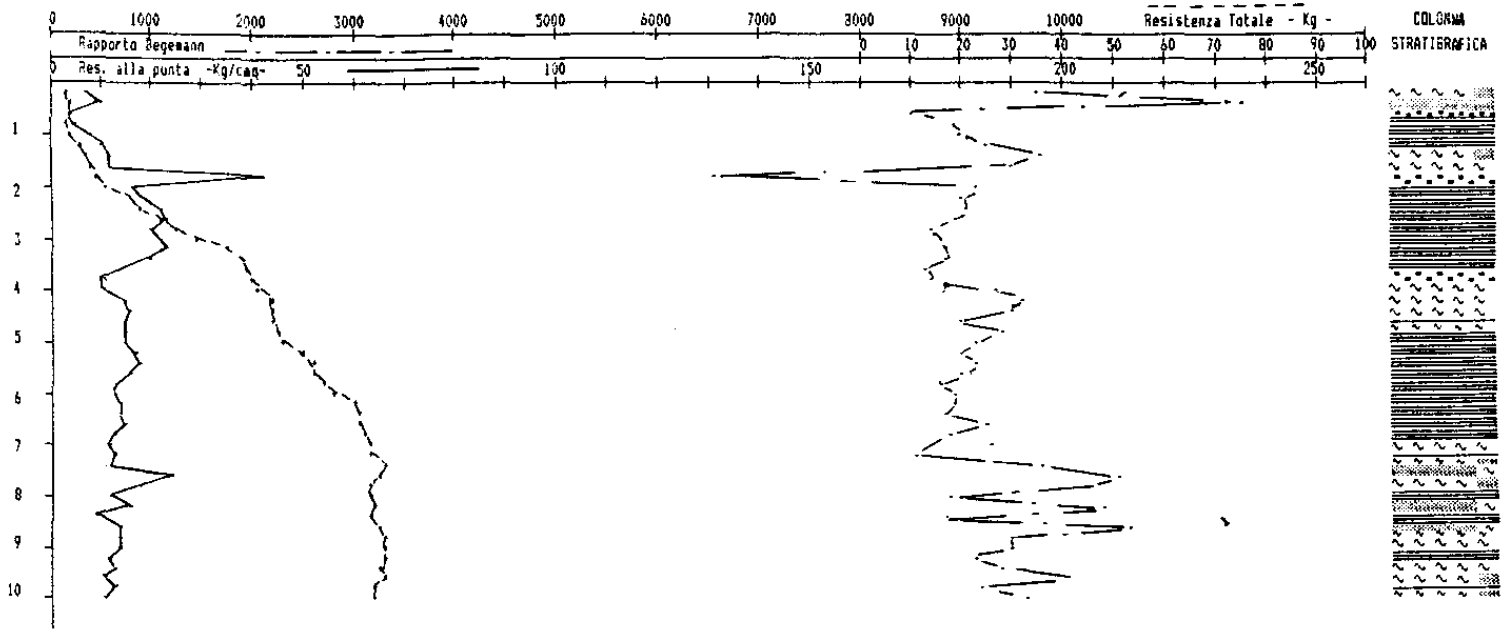
0 10 20 30 40 50 60 70 80



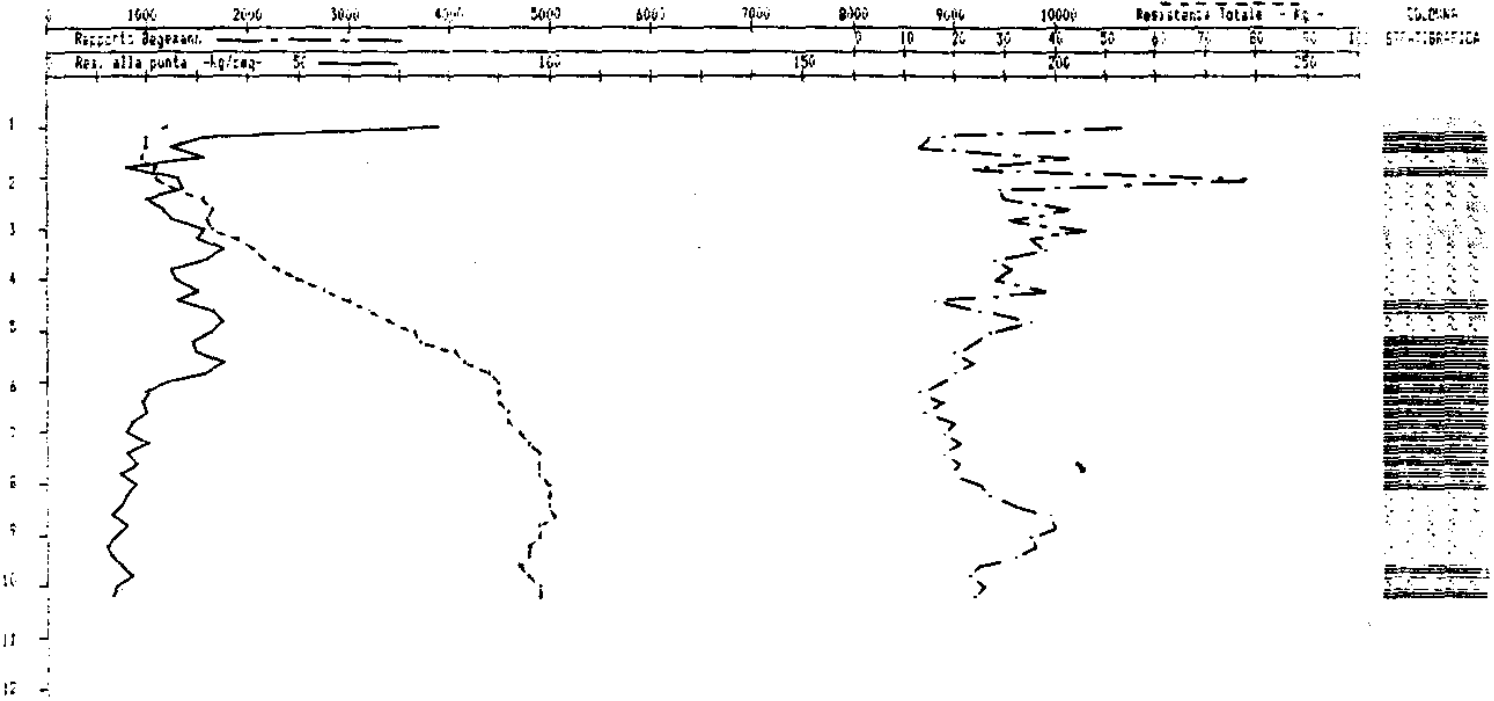
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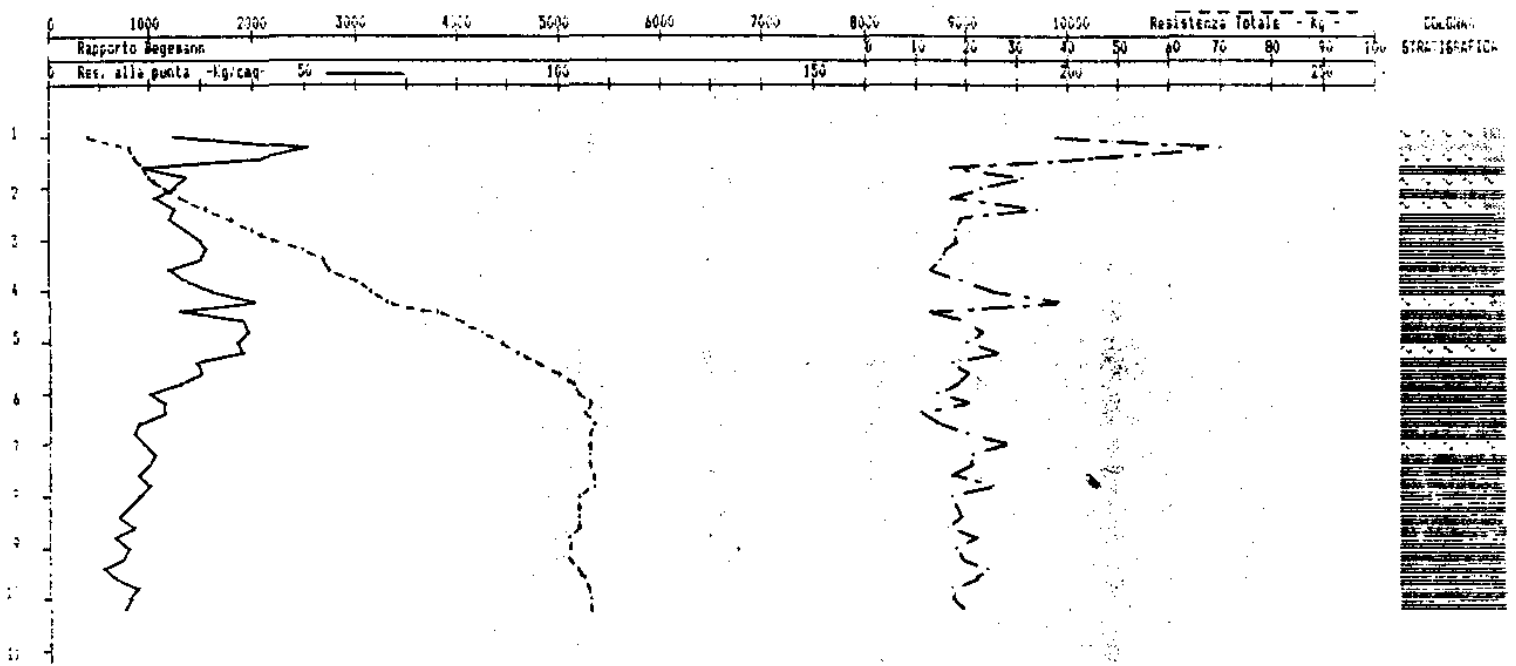


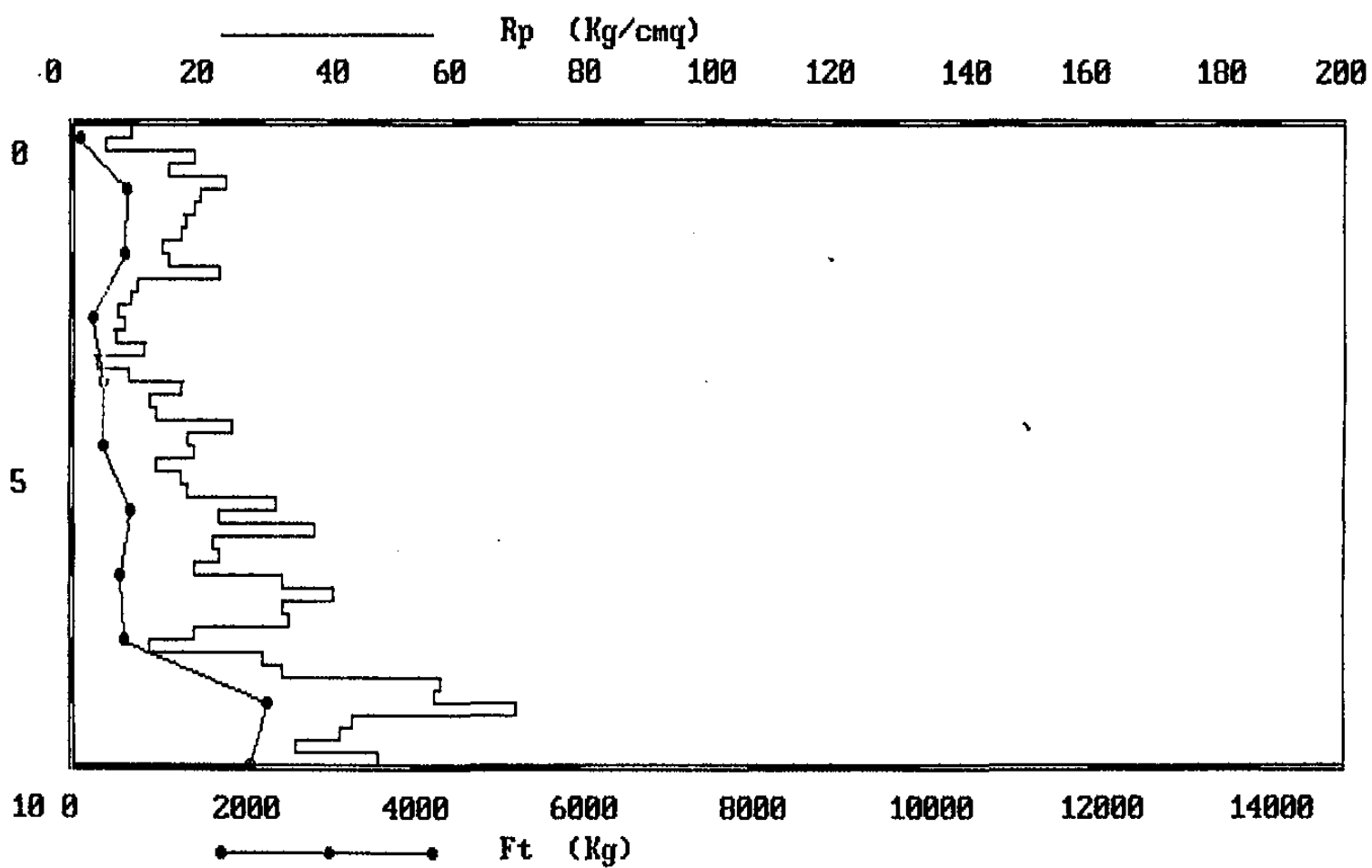


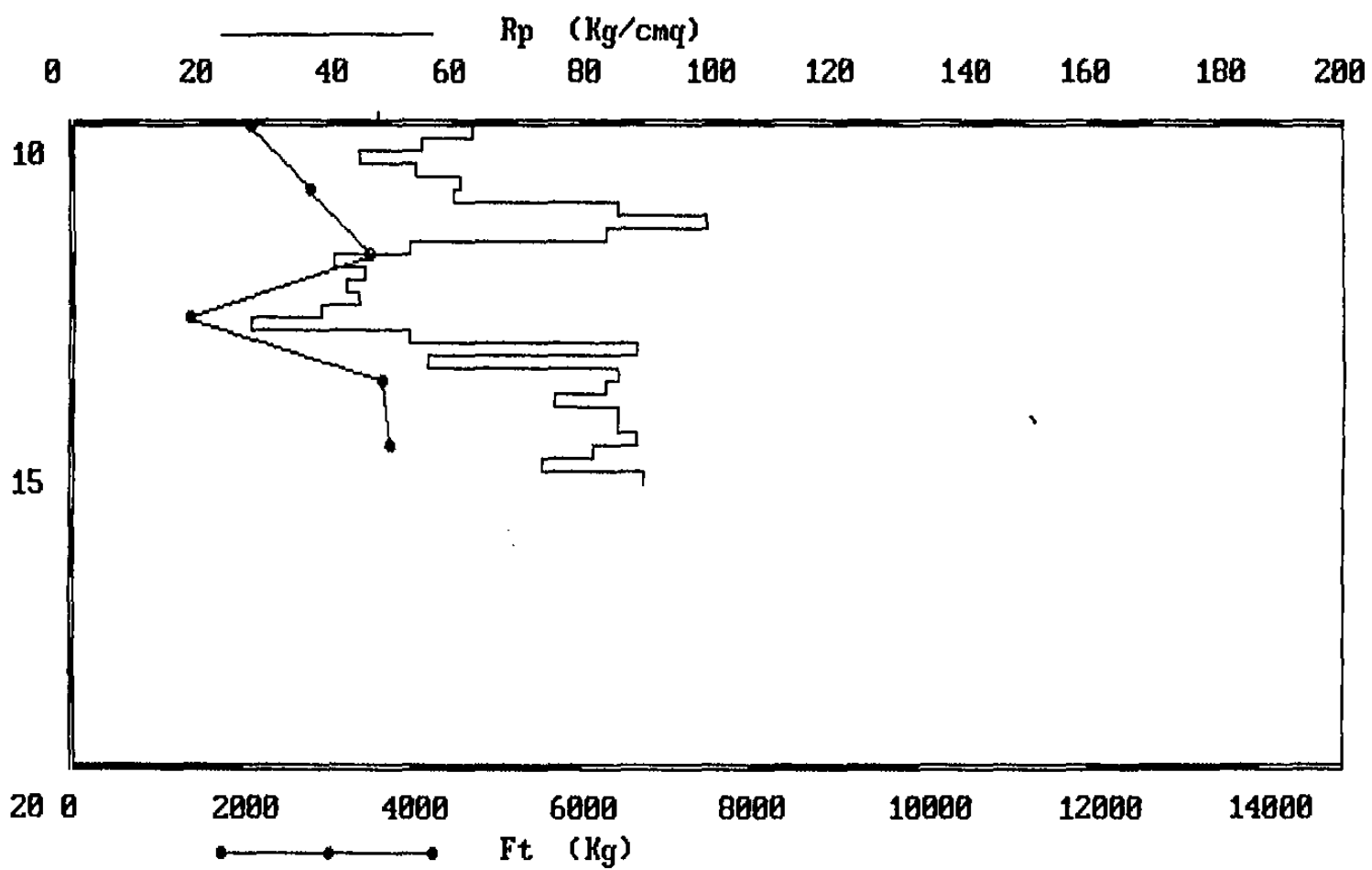


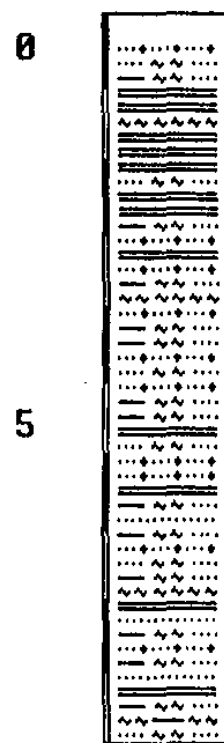
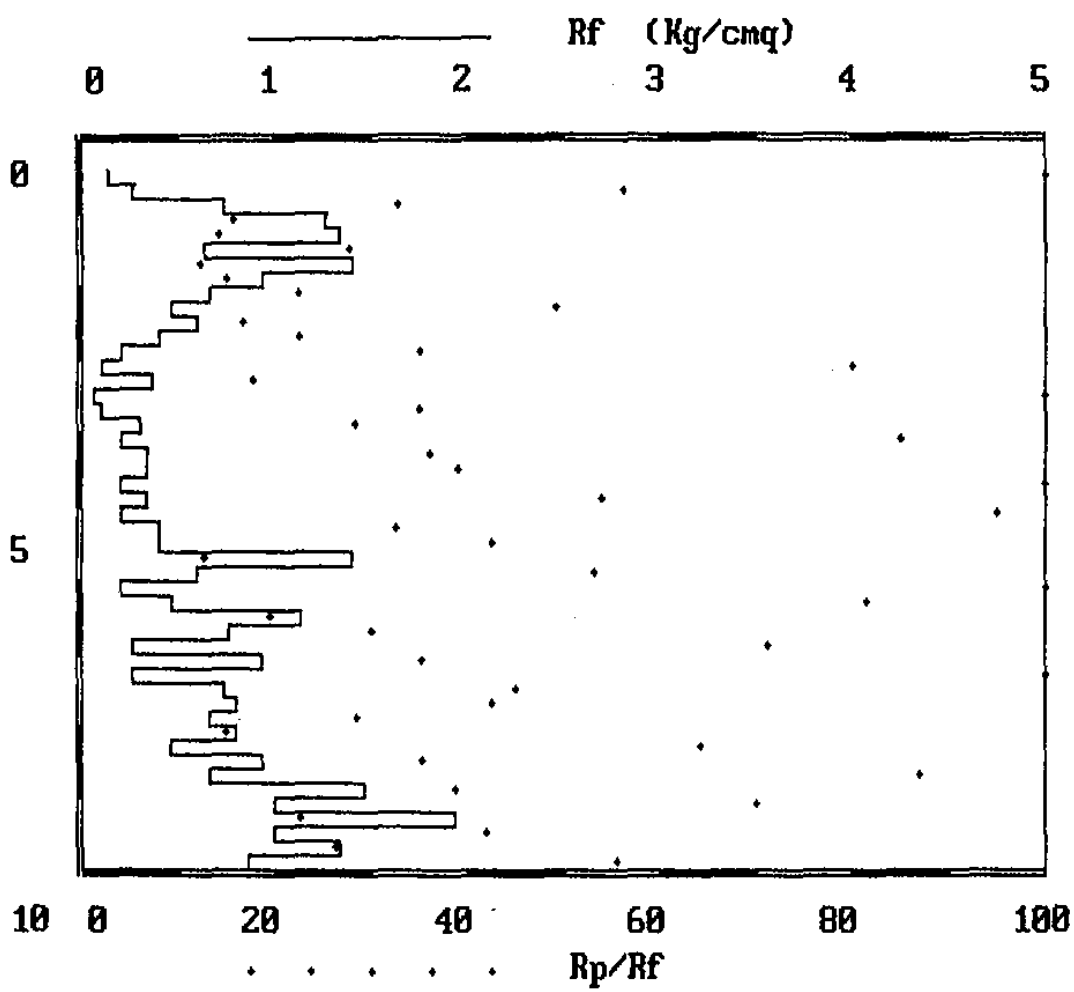
part. IVA 00

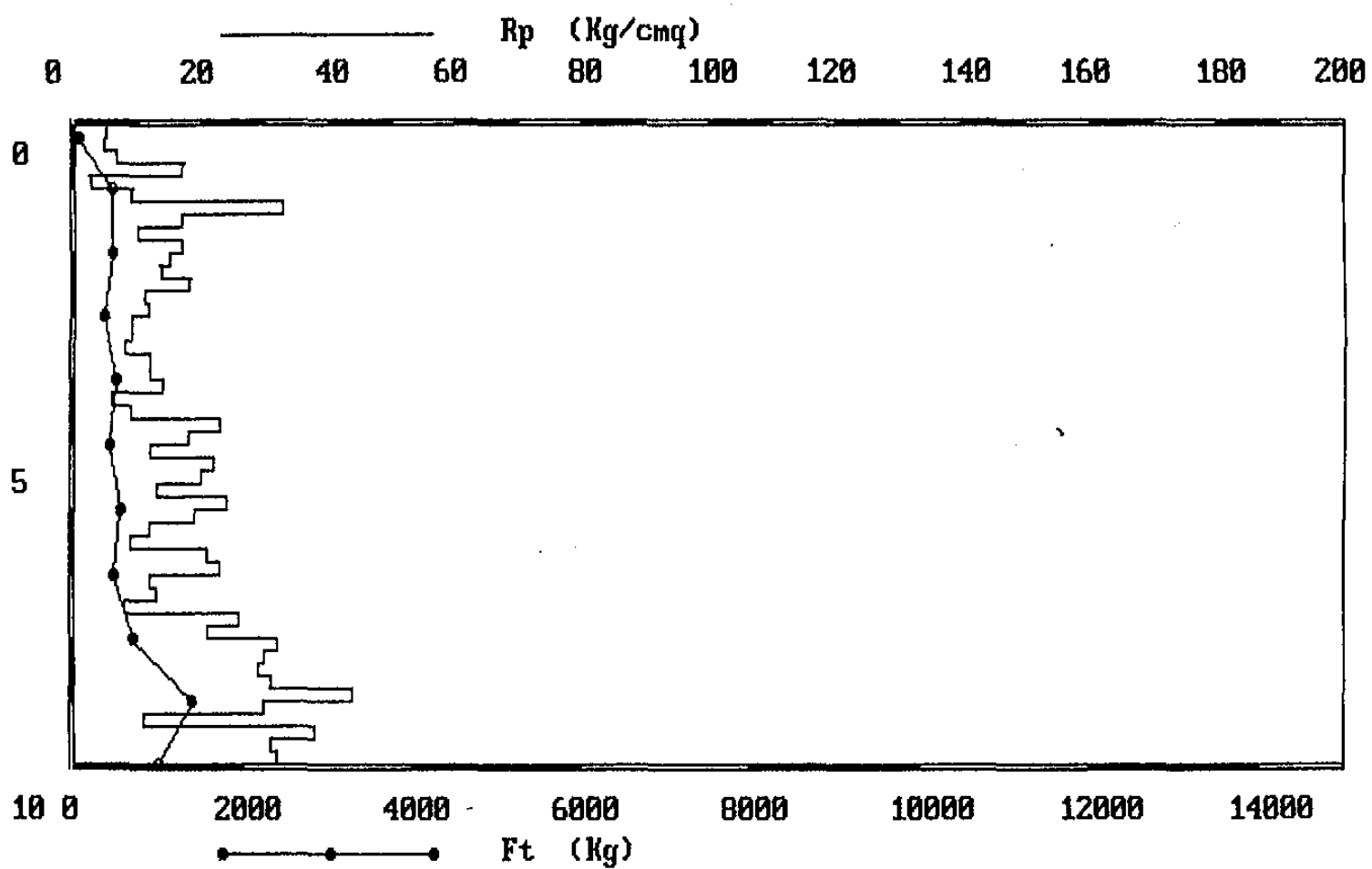


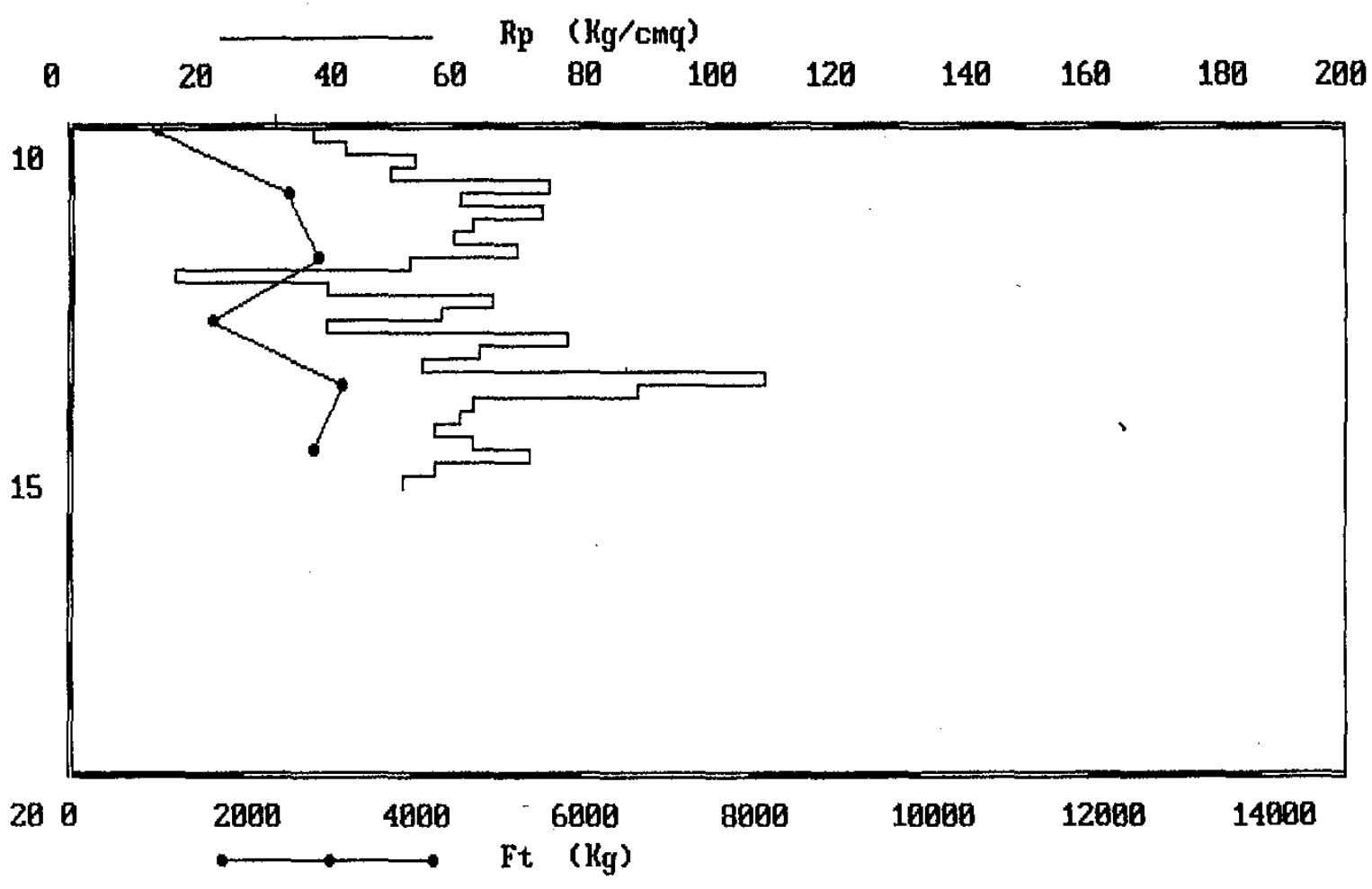


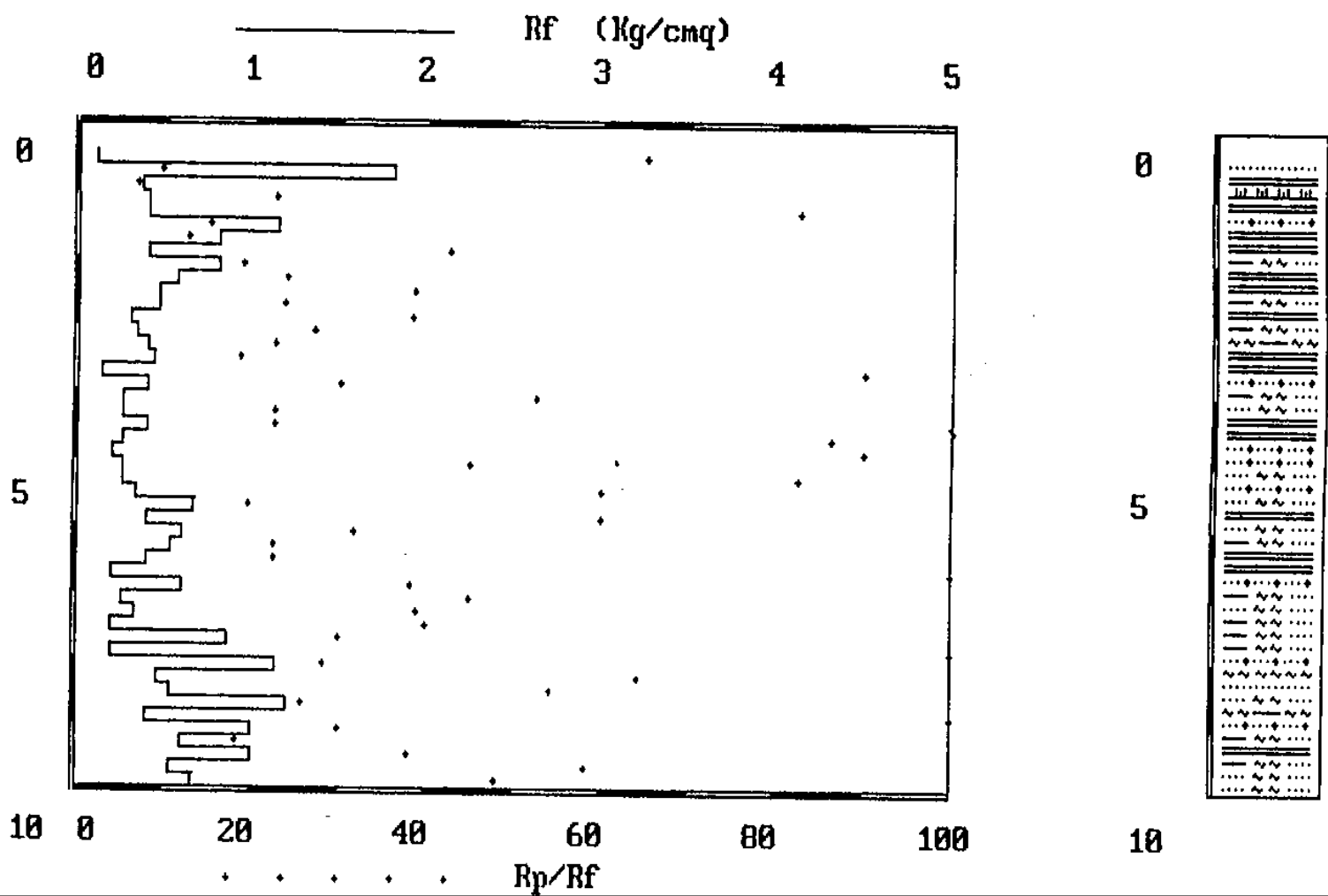


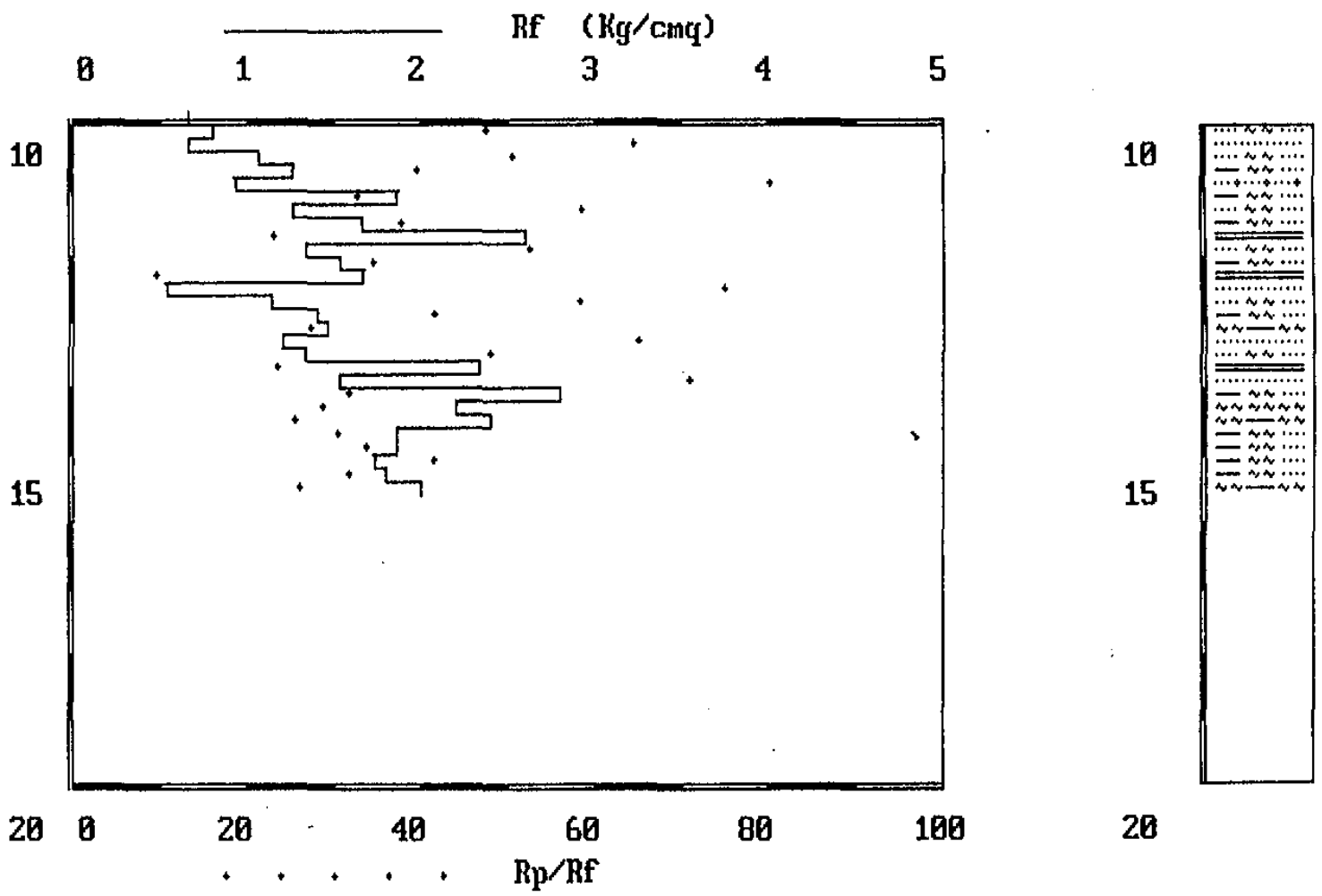


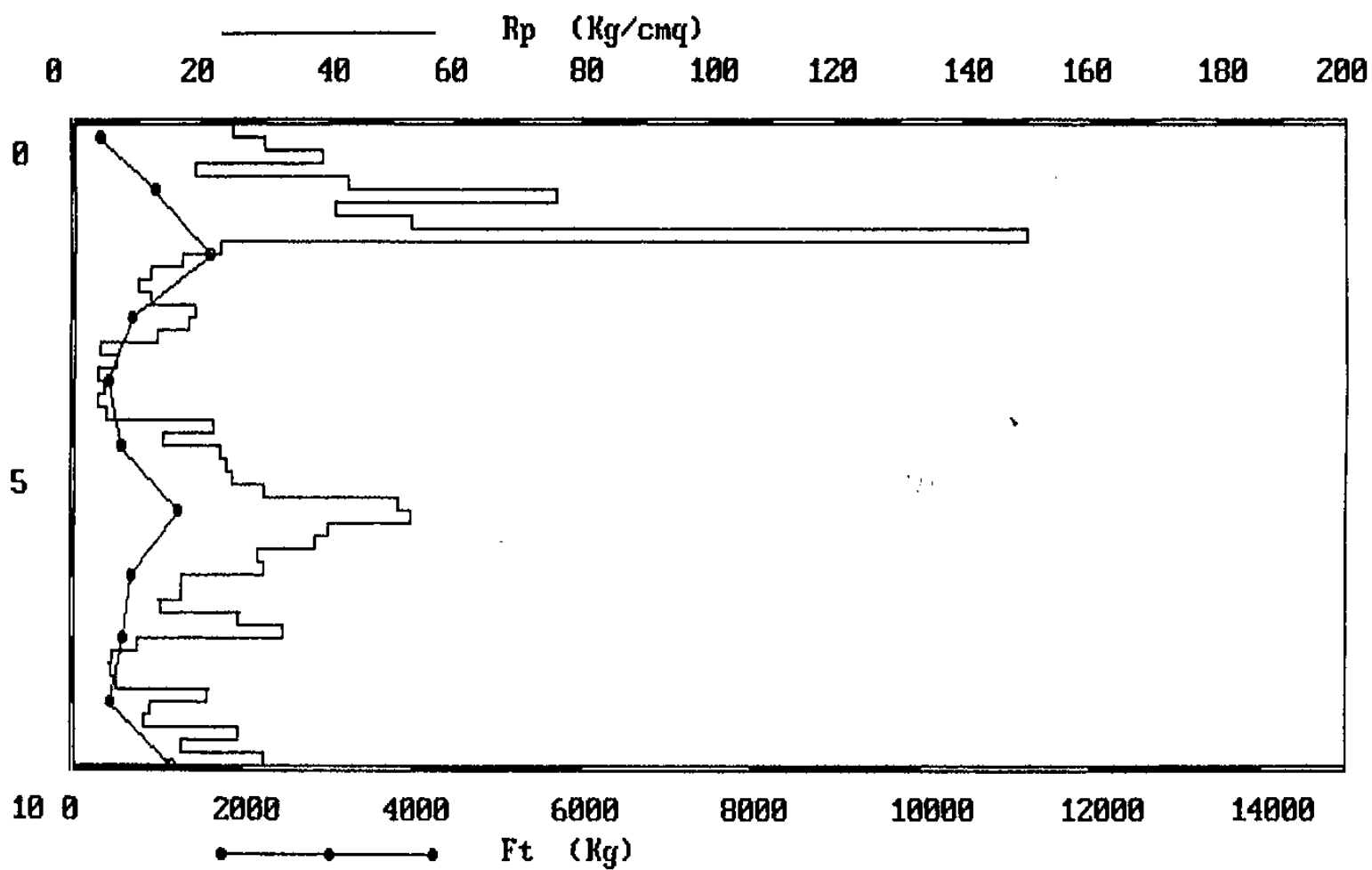


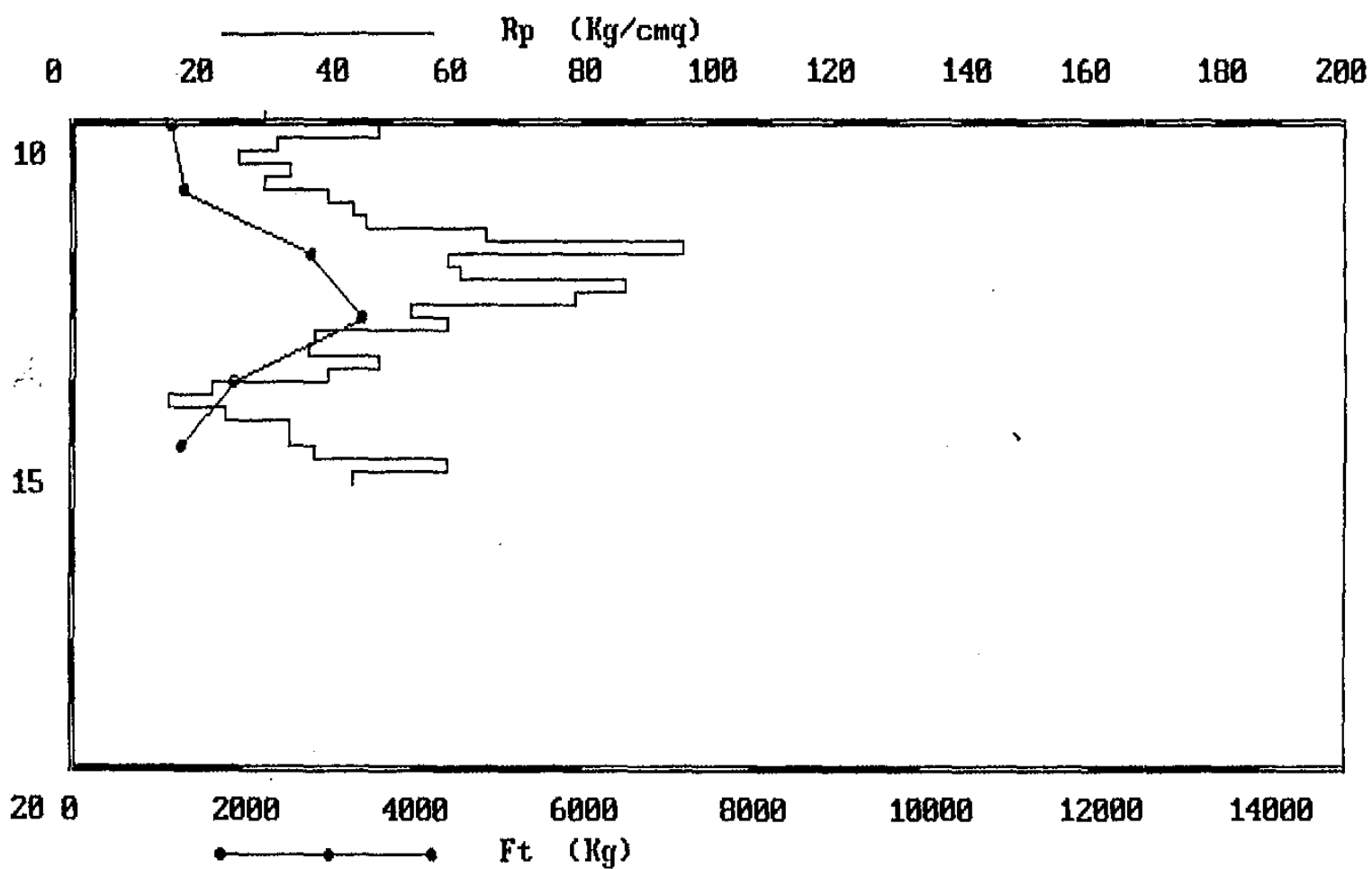


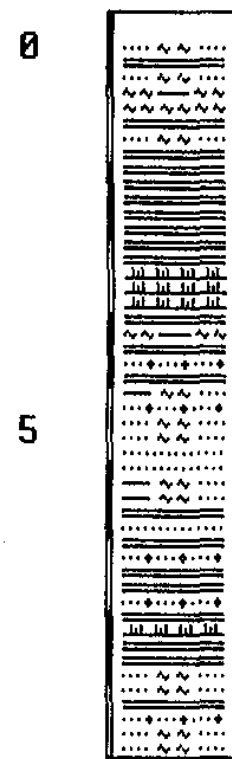
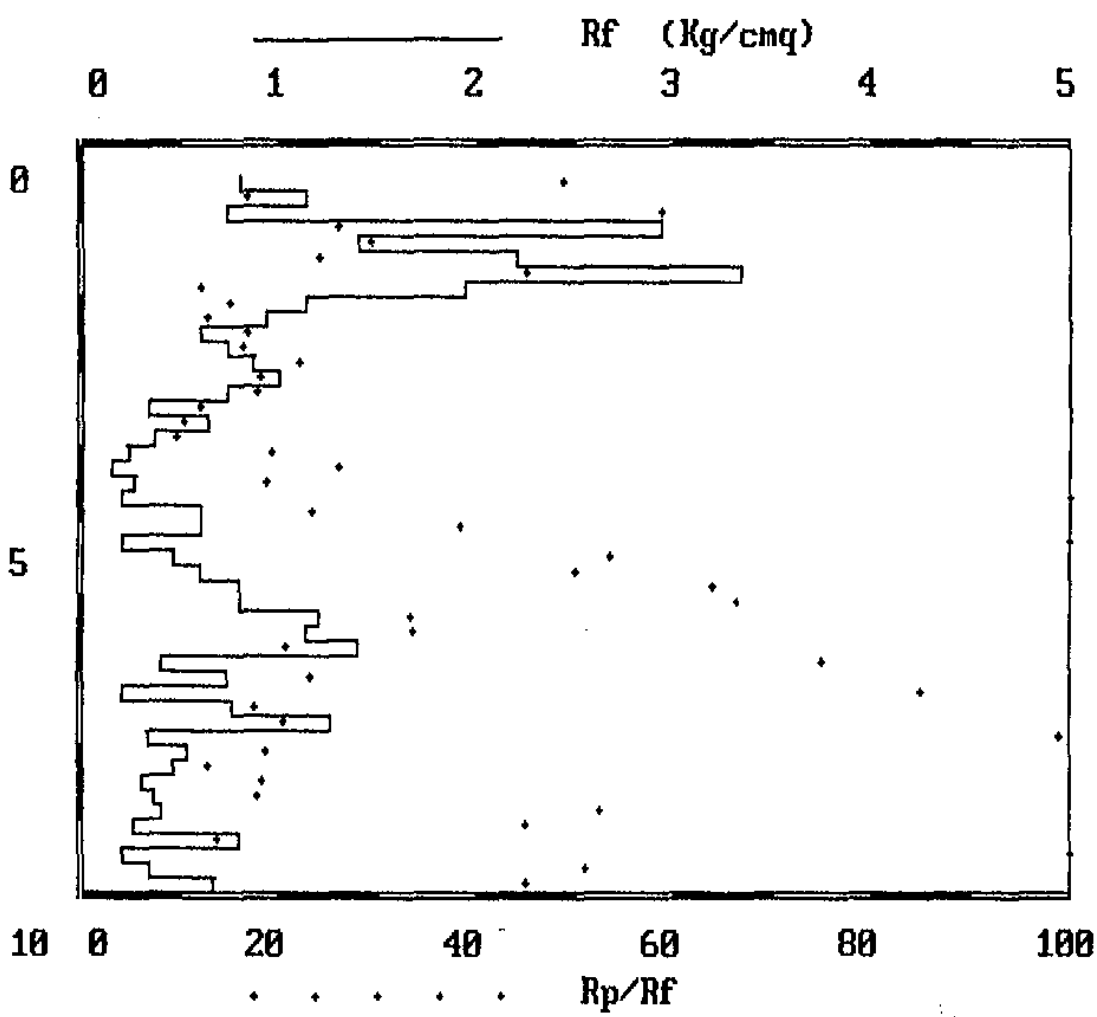


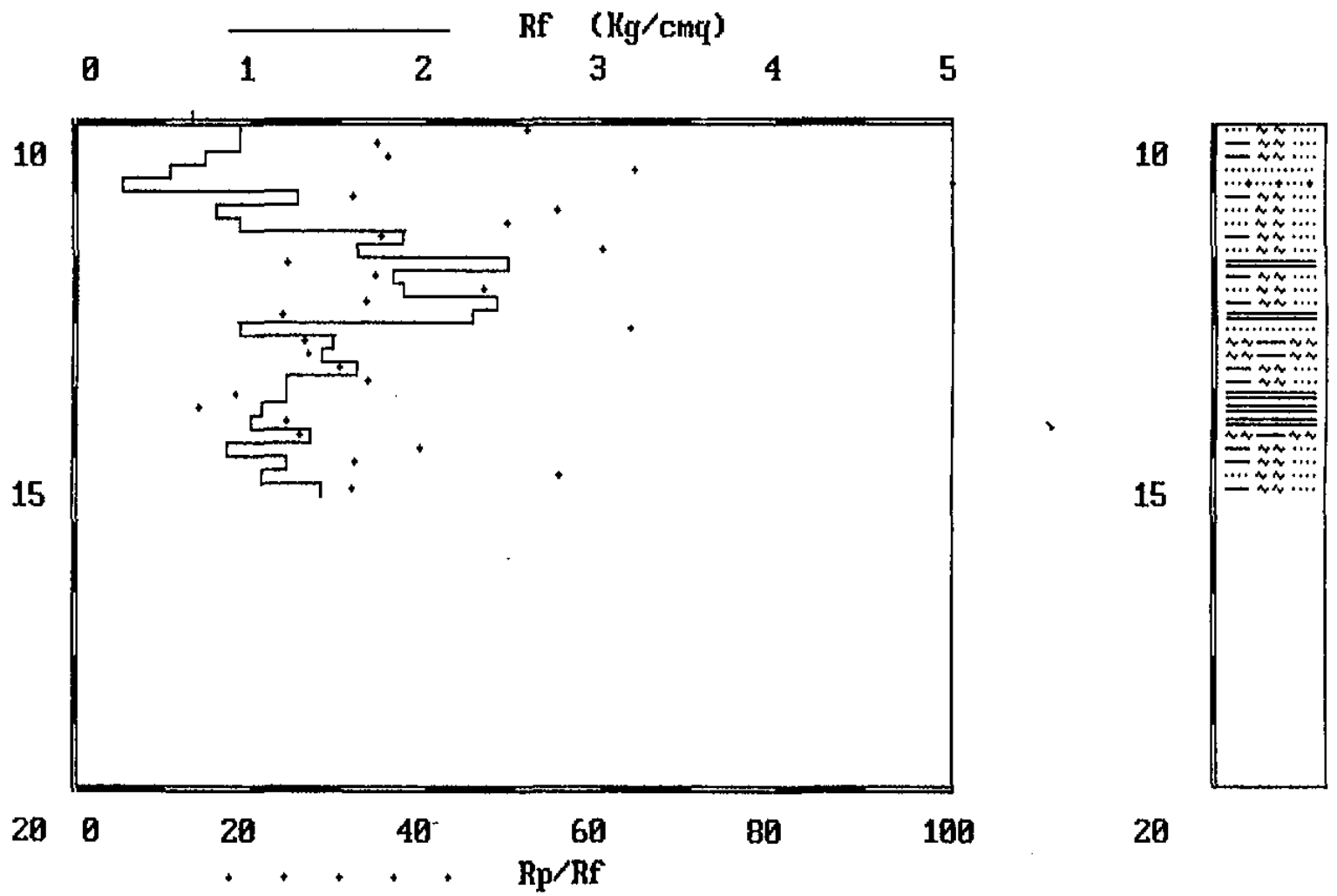


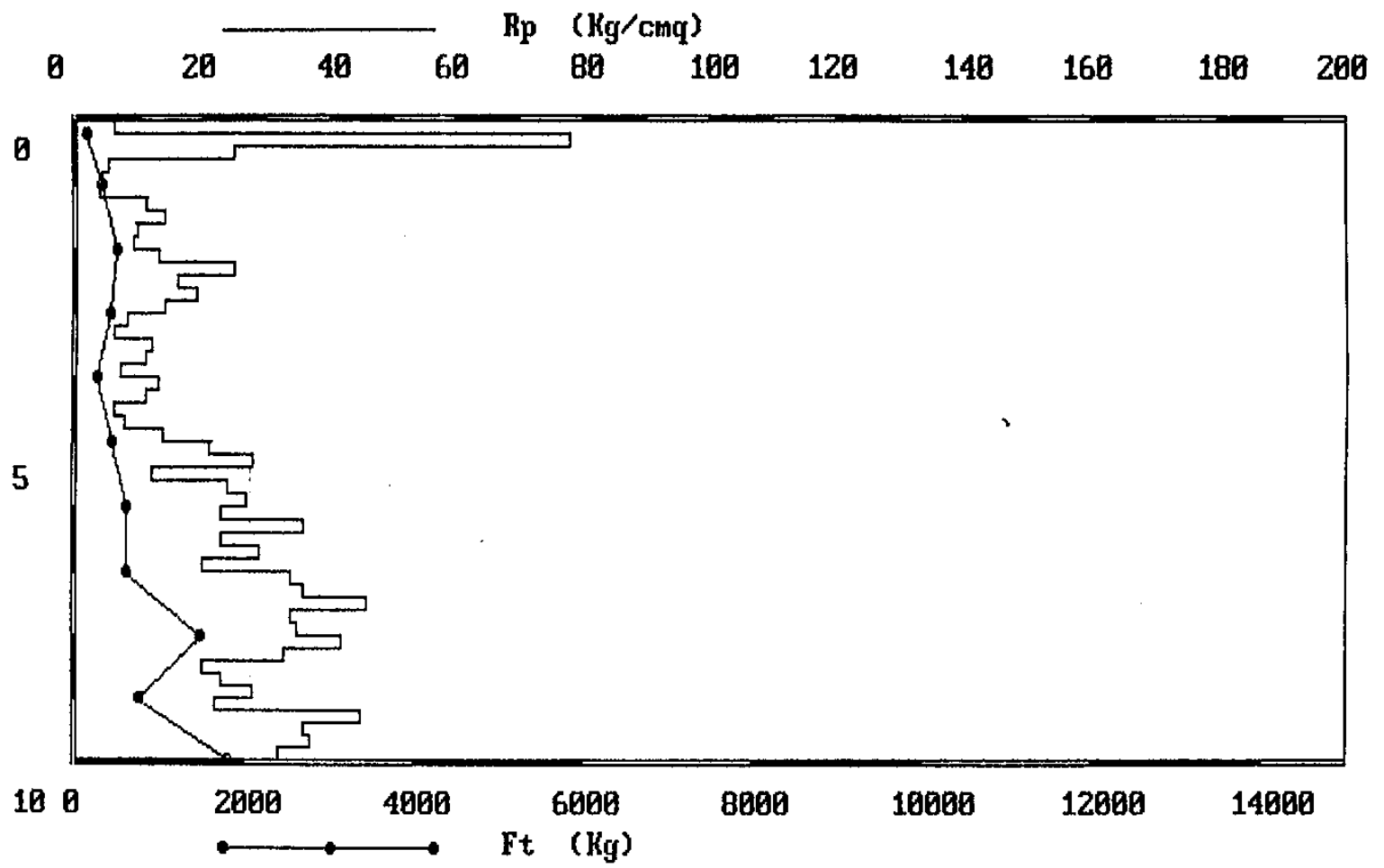


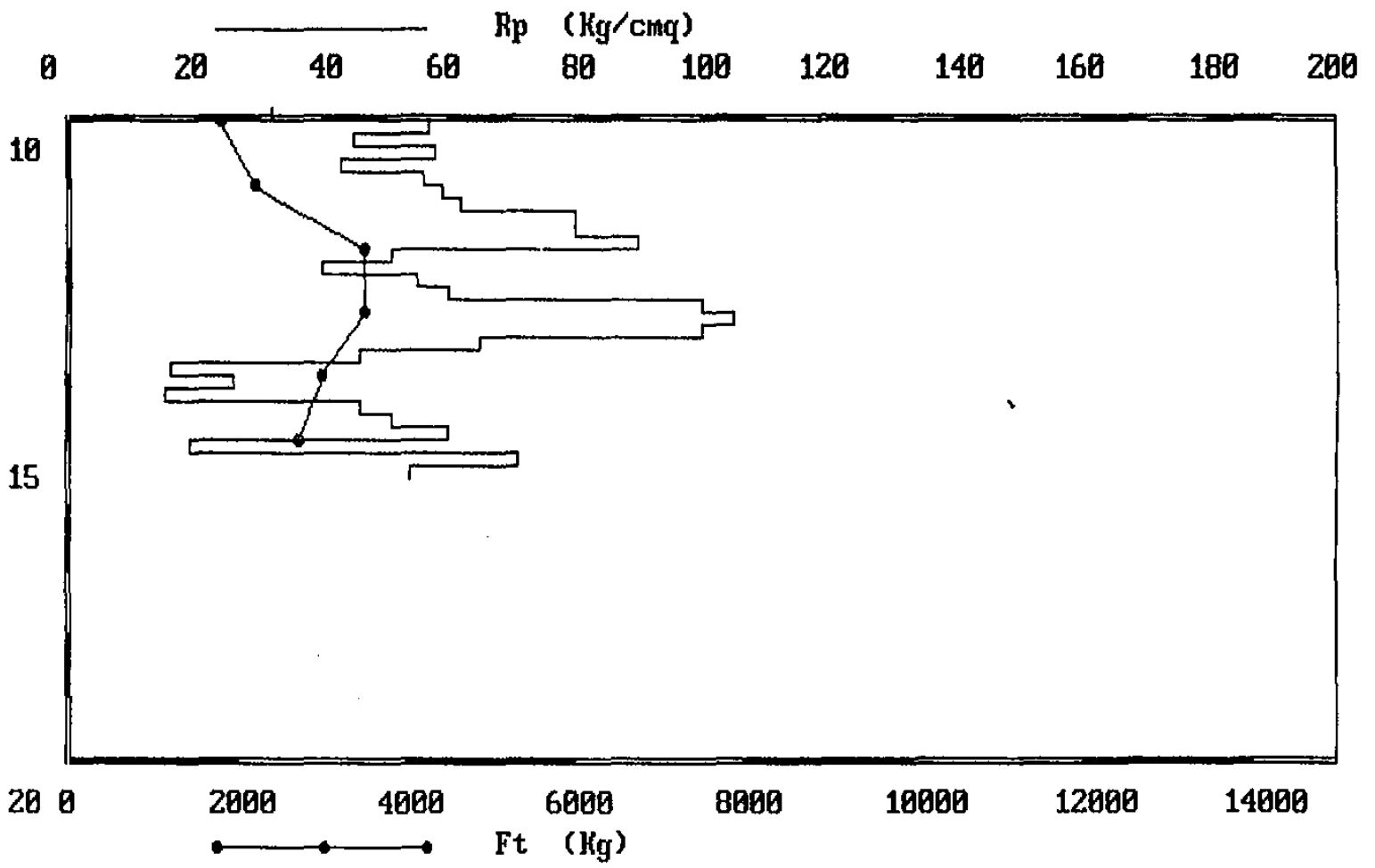


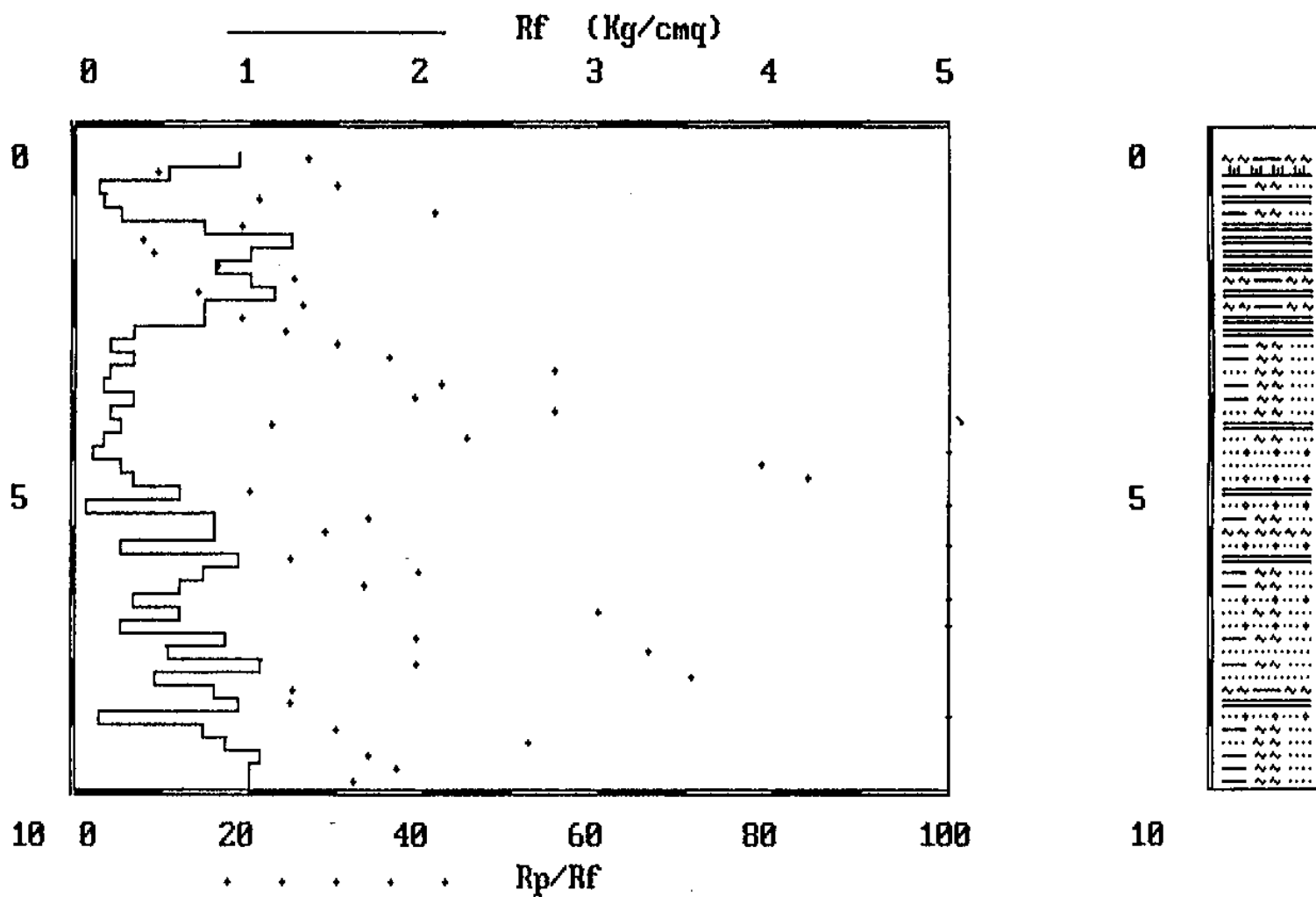


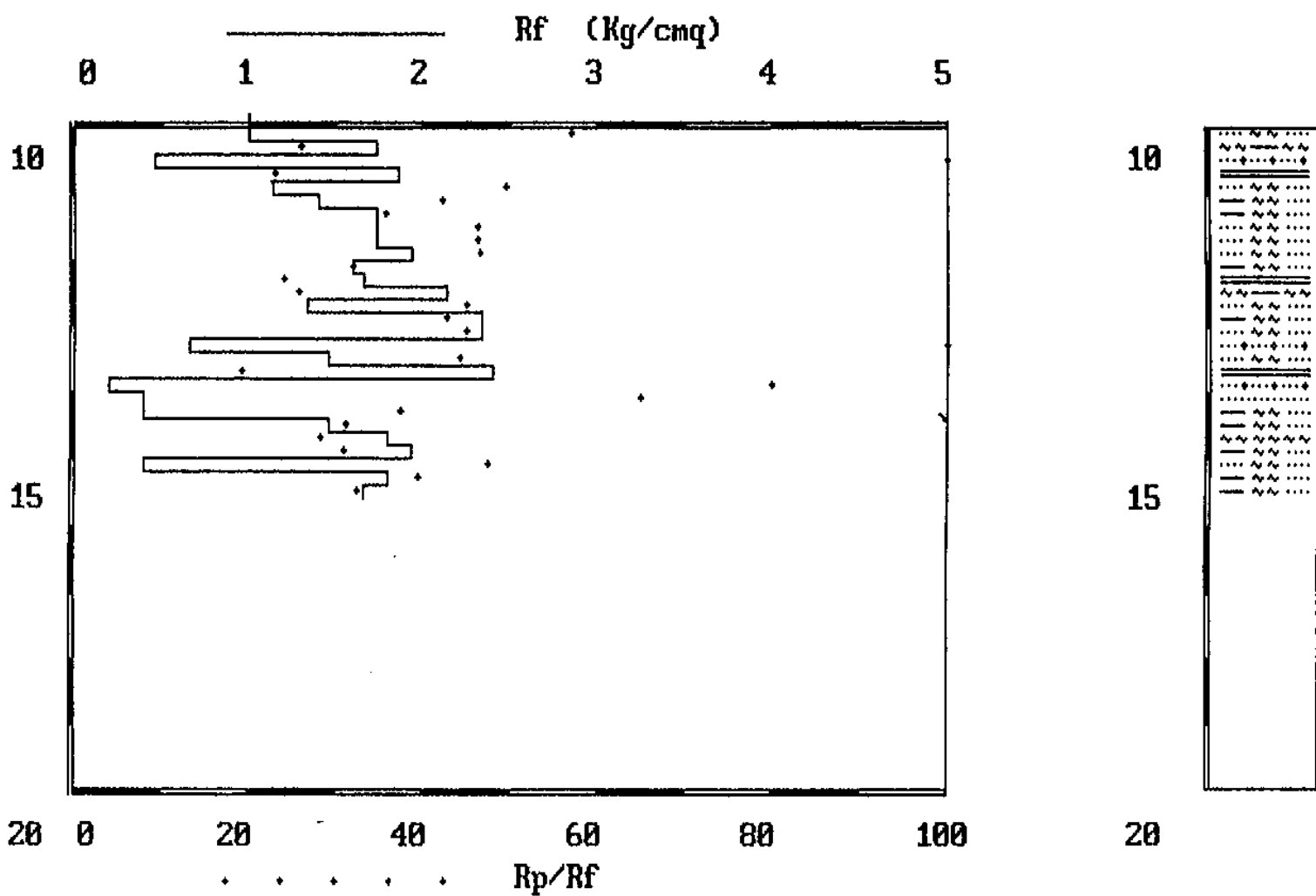


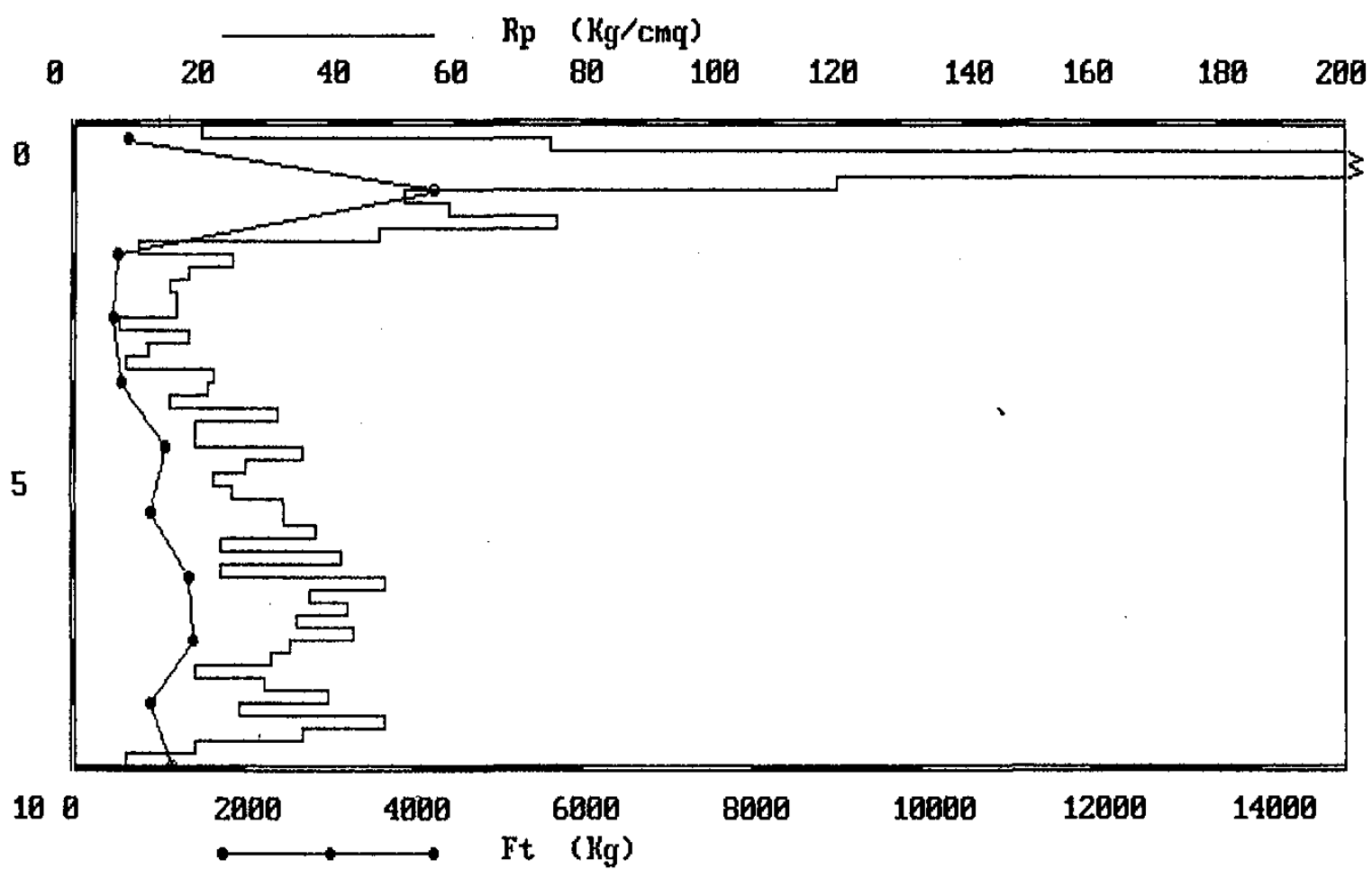


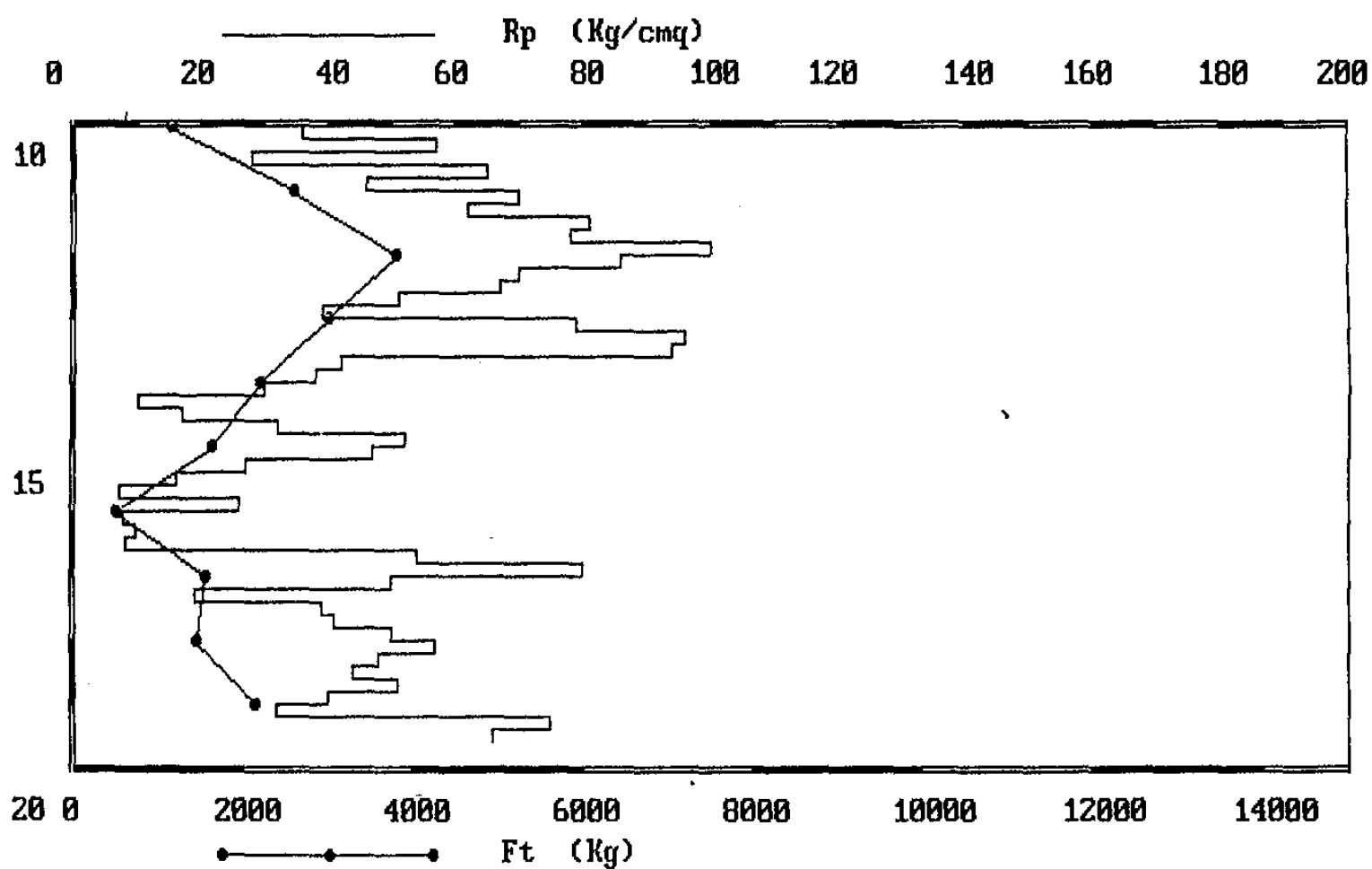


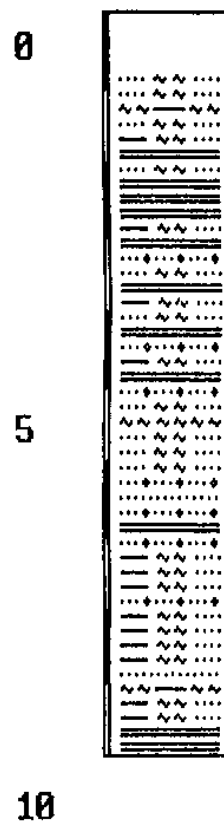
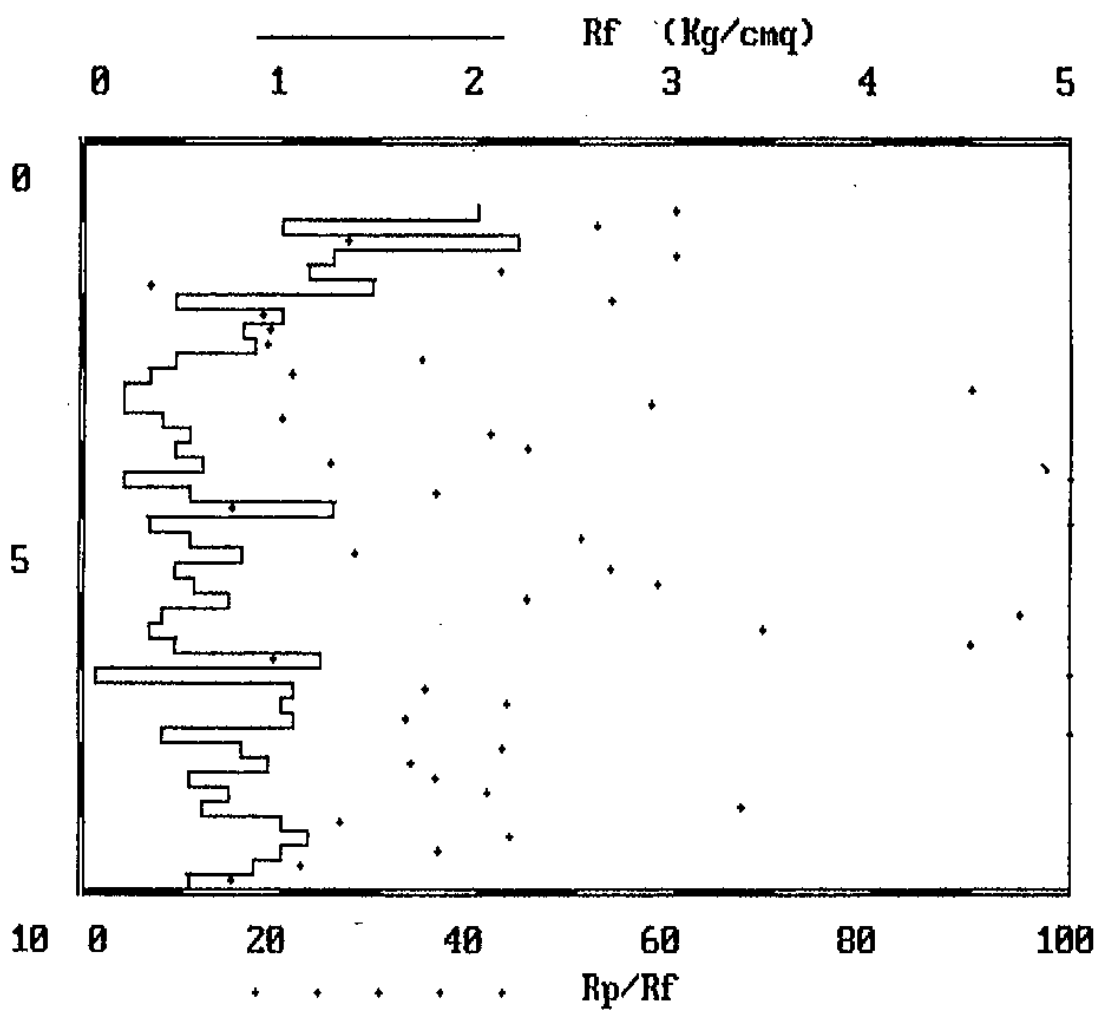


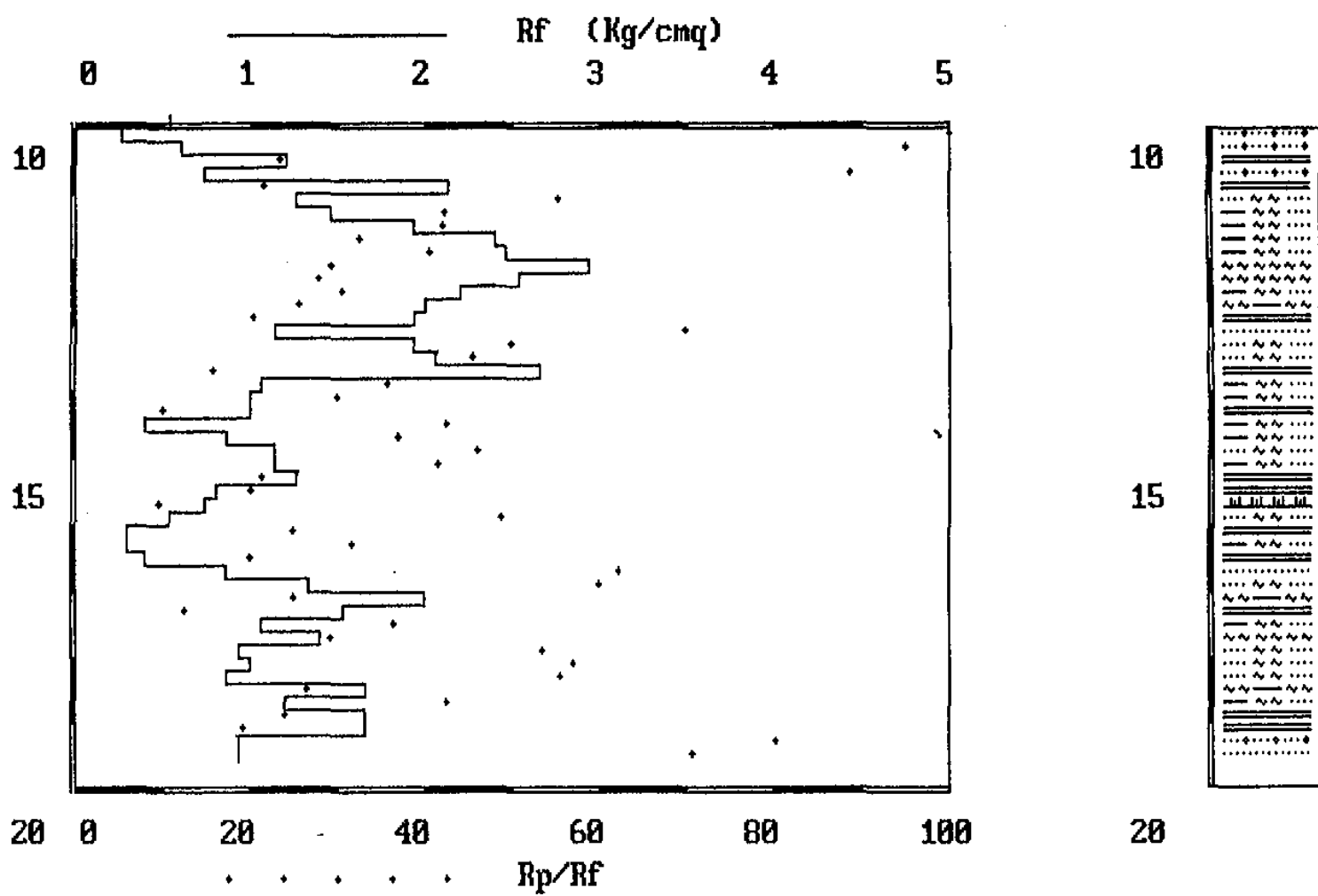












PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 559-AA

CANTIERE

:COSTRUZIONE FABBRICATO UNIFAMILIARE

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I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	
I	0.00	18	26	0.53	33.96	I	10.00	48	60	0.80	60.00	I							
I	0.20	18	26	0.53	33.96	I	10.20	40	57	1.13	35.40	I							
I	0.40	13	15	0.13	100.00	I	10.40	26	42	1.07	24.30	I							
I	0.60	14	24	0.67	20.90	I	10.60	29	38	0.60	48.33	I							
I	0.80	15	27	0.80	18.75	I						I							
I	1.00	17	30	0.87	19.54	I						I							
I	1.20	24	37	0.87	27.59	I						I							
I	1.40	25	38	0.87	28.74	I						I							
I	1.60	26	39	0.87	29.89	I						I							
I	1.80	18	29	0.73	24.66	I						I							
I	2.00	25	36	0.73	34.25	I						I							
I	2.20	22	33	0.73	30.14	I						I							
I	2.40	15	22	0.47	31.91	I						I							
I	2.60	9	17	0.53	16.98	I						I							
I	2.80	8	16	0.53	15.09	I						I							
I	3.00	10	18	0.53	18.87	I						I							
I	3.20	10	16	0.40	25.00	I						I							
I	3.40	36	43	0.33	109.09	I						I							
I	3.60	24	33	0.60	40.00	I						I							
I	3.80	24	39	1.00	24.00	I						I							
I	4.00	25	46	1.40	17.86	I						I							
I	4.20	38	74	2.40	15.83	I						I							
I	4.40	31	49	1.20	25.83	I						I							
I	4.60	18	30	0.80	22.50	I						I							
I	4.80	25	38	0.87	28.74	I						I							
I	5.00	30	38	0.53	56.60	I						I							
I	5.20	26	35	0.60	43.33	I						I							
I	5.40	22	34	0.80	27.50	I						I							
I	5.60	23	30	0.47	48.94	I						I							
I	5.80	47	78	2.07	22.71	I						I							
I	6.00	67	78	0.73	91.78	I						I							
I	6.20	33	50	1.13	29.20	I						I							
I	6.40	39	59	1.33	29.32	I						I							
I	6.60	37	49	0.80	46.25	I						I							
I	6.80	38	52	0.93	40.86	I						I							
I	7.00	35	50	1.00	35.00	I						I							
I	7.20	34	42	0.53	64.15	I						I							
I	7.40	26	43	1.13	23.01	I						I							
I	7.60	45	51	0.40	112.50	I						I							
I	7.80	20	37	1.13	17.70	I						I							
I	8.00	18	26	0.53	33.96	I						I							
I	8.20	22	35	0.87	25.29	I						I							
I	8.40	30	41	0.73	41.10	I						I							
I	8.60	63	71	0.53	118.87	I						I							
I	8.80	27	50	1.53	17.65	I						I							
I	9.00	31	49	1.20	25.83	I						I							
I	9.20	32	44	0.80	40.00	I						I							
I	9.40	56	61	0.33	169.70	I						I							
I	9.60	30	43	0.87	34.48	I						I							
I	9.80	44	52	0.53	83.02	I						I							

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM, FS = RESISTENZA SPECIFICA AL MANICOITO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

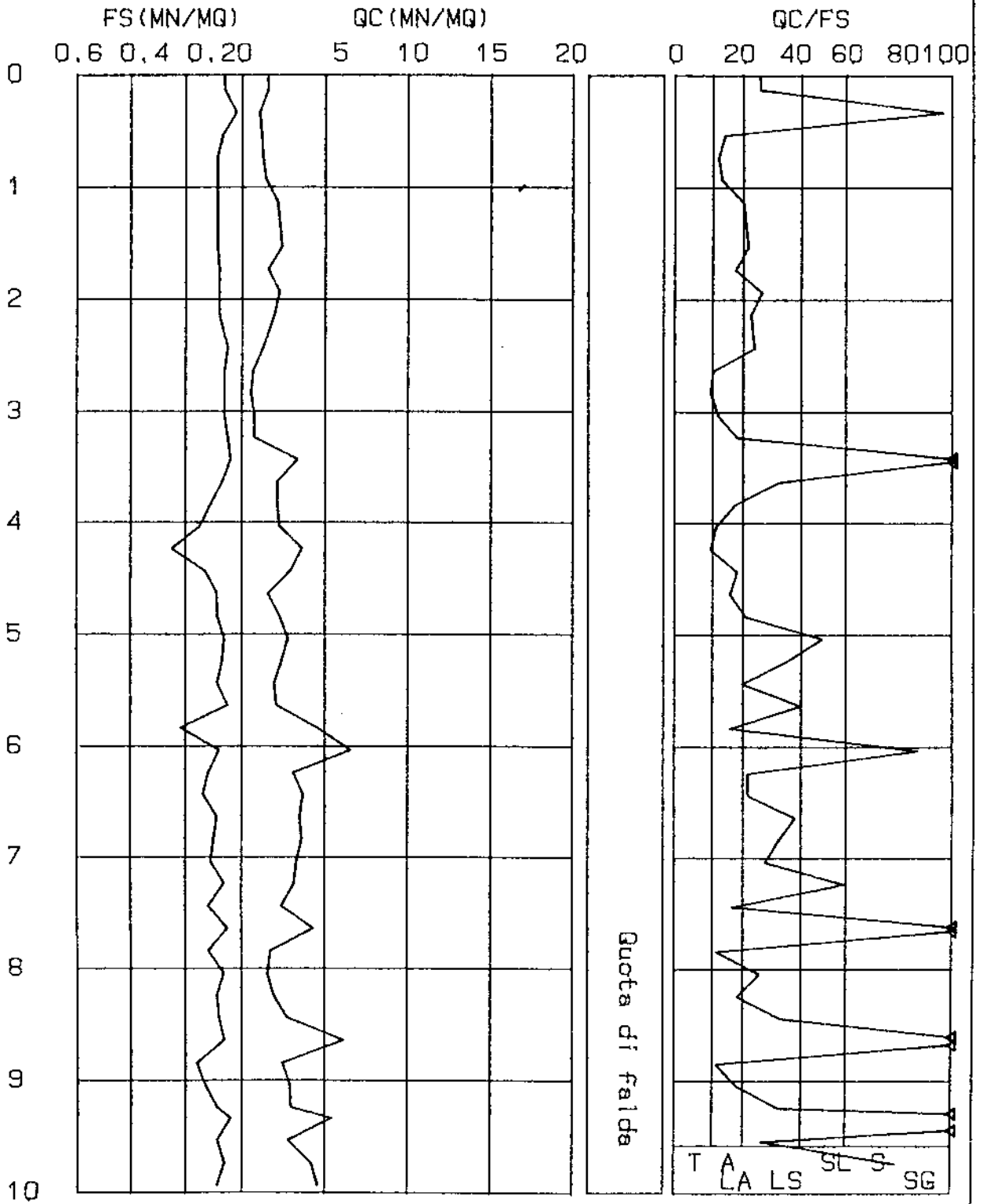
CPT (CONE PENETROMETER TEST)

Certif.n. 559-AA
del 31/05/1990

Picchetto n. A/1

Cantiere
COSTRUZIONE FABBRICATO UNIFAMILIARE
Committente

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PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 560-AA

CANTIERE : COSTRUZIONE DI FABBRICATO UNIFAMILIARE

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I	PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X	I
I	0.00	17	25	0.53	32.08	I	10.00	33	47	0.93	35.48	I						I
I	0.20	17	25	0.53	32.08	I	10.20	30	42	0.80	37.50	I						I
I	0.40	12	21	0.60	20.00	I	10.40	48	63	1.00	48.00	I						I
I	0.60	21	25	0.27	77.78	I	10.60	47	65	1.20	39.17	I						I
I	0.80	20	30	0.67	29.85	I						I						I
I	1.00	17	30	0.87	19.54	I						I						I
I	1.20	15	32	1.13	13.27	I						I						I
I	1.40	25	36	0.73	34.25	I						I						I
I	1.60	28	38	0.67	41.79	I						I						I
I	1.80	22	34	0.80	27.50	I						I						I
I	2.00	26	45	1.27	20.47	I						I						I
I	2.20	14	23	0.60	23.33	I						I						I
I	2.40	14	24	0.67	20.90	I						I						I
I	2.60	12	20	0.53	22.64	I						I						I
I	2.80	24	32	0.53	45.28	I						I						I
I	3.00	58	76	1.20	48.33	I						I						I
I	3.20	43	57	0.93	46.24	I						I						I
I	3.40	25	42	1.13	22.12	I						I						I
I	3.60	13	31	1.20	10.83	I						I						I
I	3.80	23	32	0.60	38.33	I						I						I
I	4.00	26	52	1.73	15.03	I						I						I
I	4.20	46	56	0.67	68.66	I						I						I
I	4.40	98	112	0.93	105.38	I						I						I
I	4.60	49	81	2.13	23.00	I						I						I
I	4.80	16	49	2.20	7.27	I						I						I
I	5.00	24	31	0.47	51.06	I						I						I
I	5.20	13	30	1.13	11.50	I						I						I
I	5.40	35	70	2.33	15.02	I						I						I
I	5.60	31	42	0.73	42.47	I						I						I
I	5.80	27	40	0.87	31.03	I						I						I
I	6.00	28	46	1.20	23.33	I						I						I
I	6.20	35	43	0.53	66.04	I						I						I
I	6.40	39	56	1.13	34.51	I						I						I
I	6.60	43	55	0.80	53.75	I						I						I
I	6.80	46	64	1.20	38.33	I						I						I
I	7.00	34	55	1.40	24.29	I						I						I
I	7.20	41	53	0.80	51.25	I						I						I
I	7.40	34	45	0.73	46.58	I						I						I
I	7.60	36	50	0.93	38.71	I						I						I
I	7.80	12	24	0.80	15.00	I						I						I
I	8.00	31	48	1.13	27.43	I						I						I
I	8.20	22	31	0.60	36.67	I						I						I
I	8.40	27	36	0.60	45.00	I						I						I
I	8.60	26	33	0.47	55.32	I						I						I
I	8.80	34	44	0.67	50.75	I						I						I
I	9.00	31	44	0.87	35.63	I						I						I
I	9.20	45	59	0.93	48.39	I						I						I
I	9.40	40	54	0.93	43.01	I						I						I
I	9.60	34	51	1.13	30.09	I						I						I
I	9.80	30	46	1.07	28.04	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : I=TORRE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

CPT (CONE PENETROMETER TEST)

Picchetto n. A/2

Certif. n. 560-AA

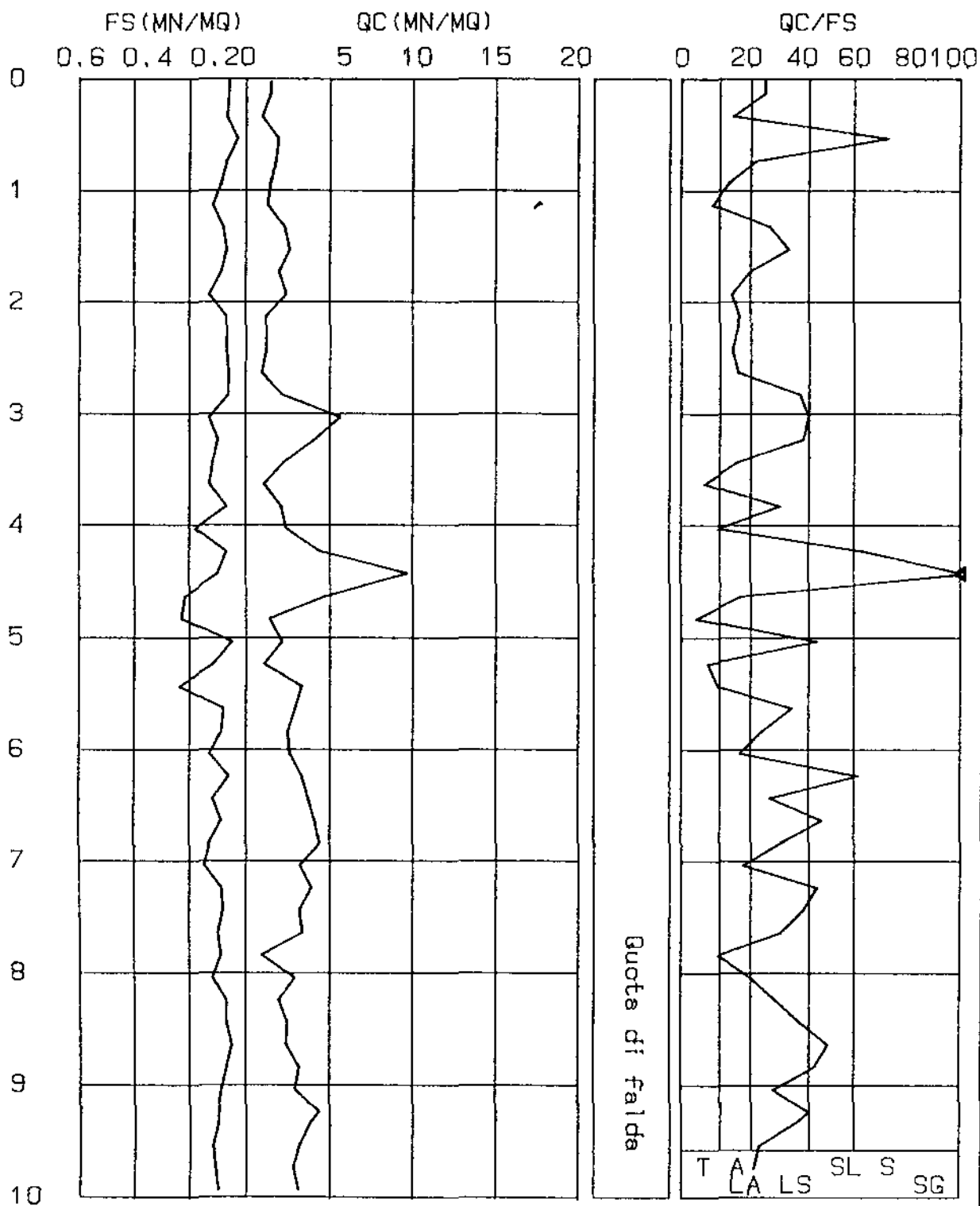
del 31/05/1990

Cantiere

COSTRUZIONE DI FABBRICATO UNIFAMILIARE

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Committente



VA PENETROMETRICA STATICA

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CERTIFICATO N.RO : 561-AA

CANTIERE

: COSTRUZIONE DI FABBRICATO UNIFAMILIARE

I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	
I	0.00	18	25	0.47	38.30	I	10.00	60	78	1.20	50.00	I							
I	0.20	18	25	0.47	38.30	I	10.20	52	71	1.27	40.94	I							
I	0.40	26	31	0.33	78.79	I	10.40	60	76	1.07	56.07	I							
I	0.60	20	28	0.53	37.74	I	10.60	60	80	1.33	45.11	I							
I	0.80	18	38	1.33	13.53	I						I							
I	1.00	27	42	1.00	27.00	I						I							
I	1.20	16	30	0.93	17.20	I						I							
I	1.40	23	34	0.73	31.51	I						I							
I	1.60	22	38	1.07	20.56	I						I							
I	1.80	26	40	0.93	27.96	I						I							
I	2.00	29	38	0.60	48.33	I						I							
I	2.20	20	30	0.67	29.85	I						I							
I	2.40	11	20	0.60	18.33	I						I							
I	2.60	11	18	0.47	23.40	I						I							
I	2.80	13	19	0.40	32.50	I						I							
I	3.00	19	27	0.53	35.85	I						I							
I	3.20	28	32	0.27	103.70	I						I							
I	3.40	26	36	0.67	38.81	I						I							
I	3.60	19	29	0.67	29.36	I						I							
I	3.80	21	34	0.87	24.14	I						I							
I	4.00	16	24	0.53	30.19	I						I							
I	4.20	25	43	1.20	20.83	I						I							
I	4.40	28	40	0.80	35.00	I						I							
I	4.60	78	92	0.93	83.87	I						I							
I	4.80	29	38	0.60	48.33	I						I							
I	5.00	15	39	1.60	9.38	I						I							
I	5.20	22	29	0.47	46.81	I						I							
I	5.40	20	37	1.13	17.70	I						I							
I	5.60	10	28	1.20	8.33	I						I							
I	5.80	16	27	0.73	21.92	I						I							
I	6.00	19	35	1.07	17.76	I						I							
I	6.20	42	51	0.60	70.00	I						I							
I	6.40	32	44	0.80	40.00	I						I							
I	6.60	29	40	0.73	39.73	I						I							
I	6.80	24	40	1.07	22.43	I						I							
I	7.00	38	49	0.73	52.05	I						I							
I	7.20	36	46	0.67	53.73	I						I							
I	7.40	42	54	0.80	52.50	I						I							
I	7.60	35	52	1.13	30.97	I						I							
I	7.80	43	58	1.00	43.00	I						I							
I	8.00	38	50	0.80	47.50	I						I							
I	8.20	28	41	0.87	32.18	I						I							
I	8.40	28	39	0.73	38.36	I						I							
I	8.60	39	47	0.53	73.58	I						I							
I	8.80	56	68	0.80	70.00	I						I							
I	9.00	46	52	0.40	115.00	I						I							
I	9.20	29	42	0.87	33.33	I						I							
I	9.40	23	40	1.13	20.35	I						I							
I	9.60	60	70	0.67	89.55	I						I							
I	9.80	76	104	1.87	40.64	I						I							

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CH. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cmq
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cmq X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cmq

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

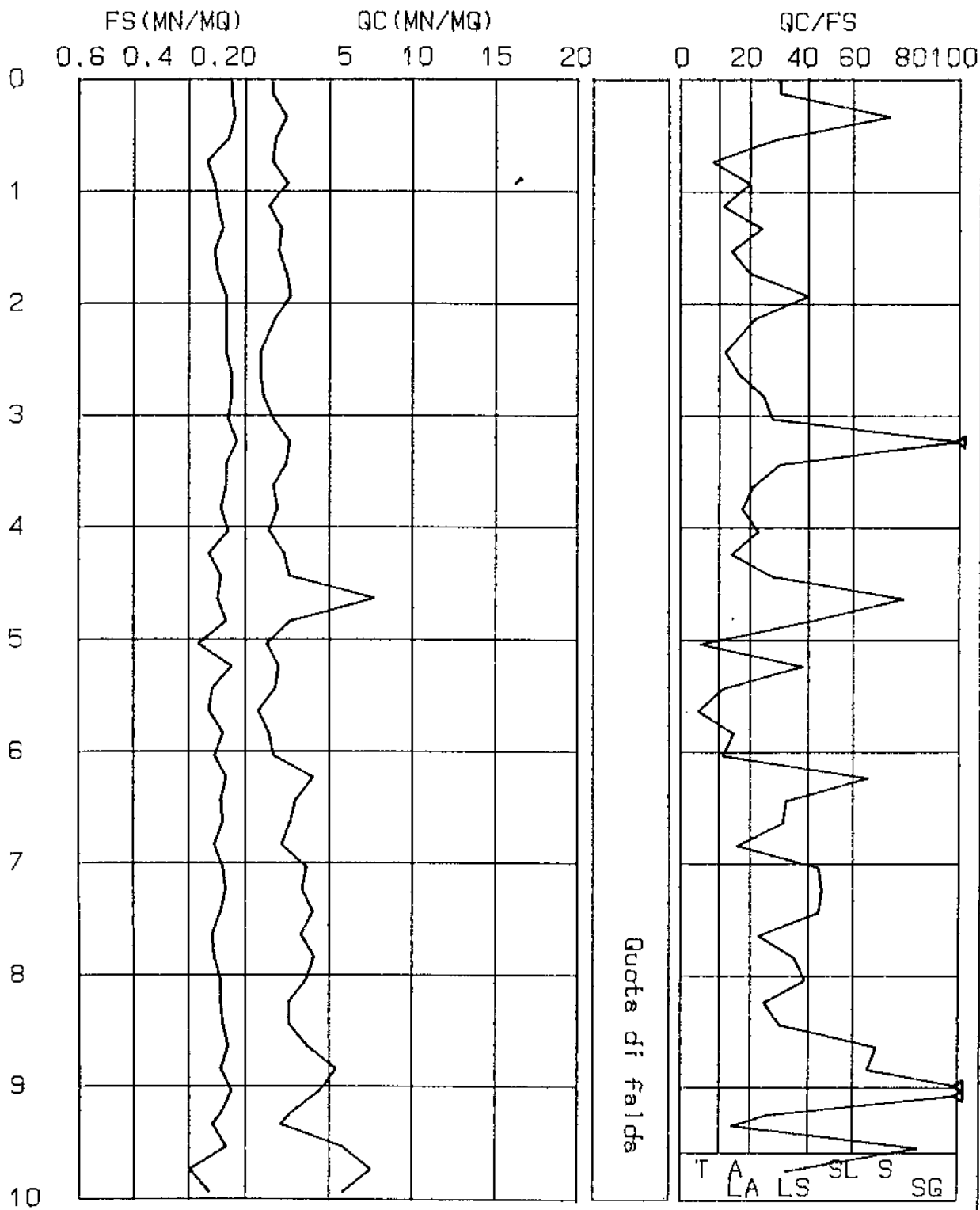
CPT (CONE PENETROMETER TEST)

Picchetto n. A/3

Certif. n. 561-AA
del 31/05/1990

Cantiere
COSTRUZIONE DI FABBRICATO UNIFAMILIARE
Committente

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PROVA PENETROMETRICA STATICA

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CERTIFICATO N.RO : 584-AA

CANTIERE : COSTRUZIONE VILLETTE INDIPENDENTI

PROF.	QC	RL	FS	X	PROF.	QC	RL	FS	X
0.00	30	36	0.40	75.00	10.00	6	11	0.33	18.18
0.20	30	36	0.40	75.00	10.20	7	11	0.27	25.93
0.40	31	37	0.40	77.50	10.40	8	12	0.27	29.63
0.60	24	31	0.47	51.06	10.60	11	16	0.33	33.33
0.80	13	32	1.27	10.24					
1.00	12	28	1.07	11.21					
1.20	13	30	1.13	11.50					
1.40	20	32	0.80	25.00					
1.60	18	32	0.93	19.35					
1.80	13	33	1.33	9.77					
2.00	12	25	0.87	13.79					
2.20	14	26	0.80	17.50					
2.40	16	29	0.87	18.39					
2.60	17	31	0.93	18.28					
2.80	16	29	0.87	18.39					
3.00	15	27	0.80	18.75					
3.20	16	29	0.87	18.39					
3.40	16	29	0.87	18.39					
3.60	17	30	0.87	19.54					
3.80	16	29	0.87	18.39					
4.00	16	28	0.80	20.00					
4.20	16	26	0.67	23.88					
4.40	18	27	0.60	30.00					
4.60	16	27	0.73	21.92					
4.80	13	23	0.67	19.40					
5.00	15	24	0.60	25.00					
5.20	18	28	0.67	26.87					
5.40	17	27	0.67	25.37					
5.60	14	26	0.80	17.50					
5.80	15	26	0.73	20.55					
6.00	15	27	0.80	18.75					
6.20	13	25	0.80	16.25					
6.40	10	20	0.67	14.93					
6.60	11	19	0.53	20.75					
6.80	11	19	0.53	20.75					
7.00	10	17	0.47	21.28					
7.20	7	13	0.40	17.50					
7.40	6	10	0.27	22.22					
7.60	6	9	0.20	30.00					
7.80	5	8	0.20	25.00					
8.00	6	9	0.20	30.00					
8.20	8	11	0.20	40.00					
8.40	9	12	0.20	45.00					
8.60	8	12	0.27	29.63					
8.80	9	14	0.33	27.27					
9.00	11	17	0.40	27.50					
9.20	10	17	0.47	21.28					
9.40	7	13	0.40	17.50					
9.60	7	10	0.20	35.00					
9.80	7	13	0.40	17.50					

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS
 RL = RESISTENZA LATERALE TOTALE dN/cm²

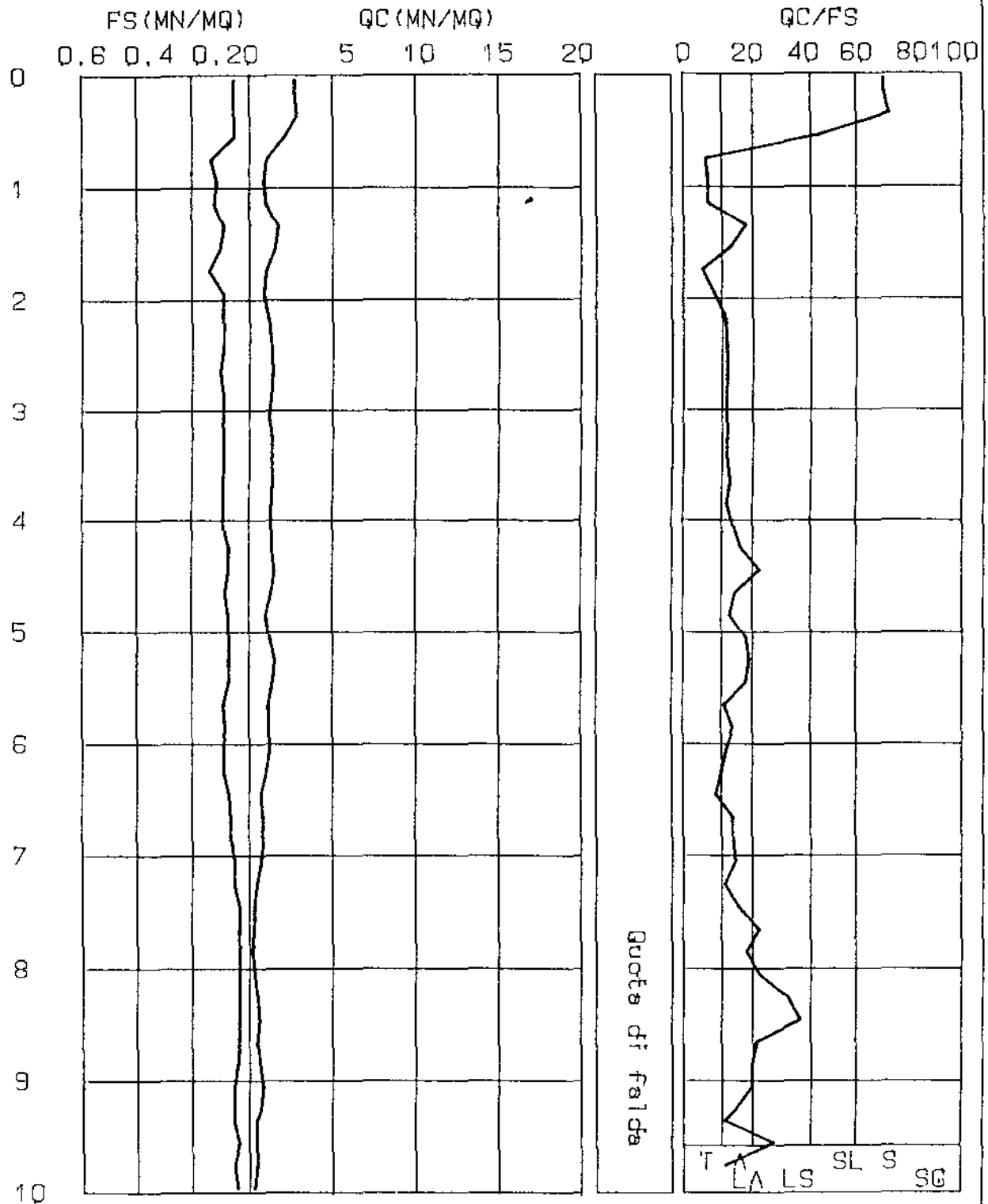
LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIATA AG=FERRENO AGRICOLO

CPT (CONE PENETROMETER TEST)

Certif. n. 584-AA
del 01/07/1990

Picchetto n. A/1

Cantiere
COSTRUZIONE VILLETTE INDIPENDENTI
Committente



SVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 585-AA

CANTIERE

: COSTRUZIONE VILLETTE INDIPENDENTI

PROF.	QC	RL	FS	X	PROF.	QC	RL	FS	X	PROF.	QC	RL	FS	X
0.00	14	17	0.20	70.00	10.00	6	10	0.27	22.22					
0.20	14	17	0.20	70.00	10.20	7	10	0.20	35.00					
0.40	36	40	0.27	133.33	10.40	6	10	0.27	22.22					
0.60	26	31	0.33	78.79	10.60	8	13	0.33	24.24					
0.80	18	42	1.60	11.25										
1.00	18	41	1.53	11.76										
1.20	17	37	1.33	12.78										
1.40	17	37	1.33	12.78										
1.60	14	30	1.07	13.08										
1.80	13	22	0.60	21.67										
2.00	15	24	0.60	25.00										
2.20	14	27	0.87	16.09										
2.40	17	28	0.73	23.29										
2.60	16	28	0.80	20.00										
2.80	20	33	0.87	22.99										
3.00	19	33	0.93	20.43										
3.20	17	32	1.00	17.00										
3.40	20	33	0.87	22.99										
3.60	20	33	0.87	22.99										
3.80	18	32	0.93	19.35										
4.00	14	27	0.87	16.09										
4.20	16	25	0.60	26.67										
4.40	17	26	0.60	28.33										
4.60	17	30	0.87	19.54										
4.80	16	25	0.60	26.67										
5.00	15	26	0.73	20.55										
5.20	15	25	0.67	22.39										
5.40	15	25	0.67	22.39										
5.60	14	25	0.73	19.18										
5.80	14	24	0.67	20.90										
6.00	12	22	0.67	17.91										
6.20	12	22	0.67	17.91										
6.40	10	18	0.53	18.87										
6.60	10	18	0.53	18.87										
6.80	10	19	0.60	16.67										
7.00	11	19	0.53	20.75										
7.20	9	18	0.60	15.00										
7.40	6	13	0.47	12.77										
7.60	5	9	0.27	18.52										
7.80	6	10	0.27	22.22										
8.00	6	9	0.20	30.00										
8.20	7	10	0.20	35.00										
8.40	7	10	0.20	35.00										
8.60	7	11	0.27	25.93										
8.80	9	14	0.33	27.27										
9.00	11	17	0.40	27.50										
9.20	10	18	0.53	18.87										
9.40	9	16	0.47	19.15										
9.60	7	13	0.40	17.50										
9.80	6	11	0.33	18.18										

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS
 RL = RESISTENZA LATERALE TOTALE dN/cm²

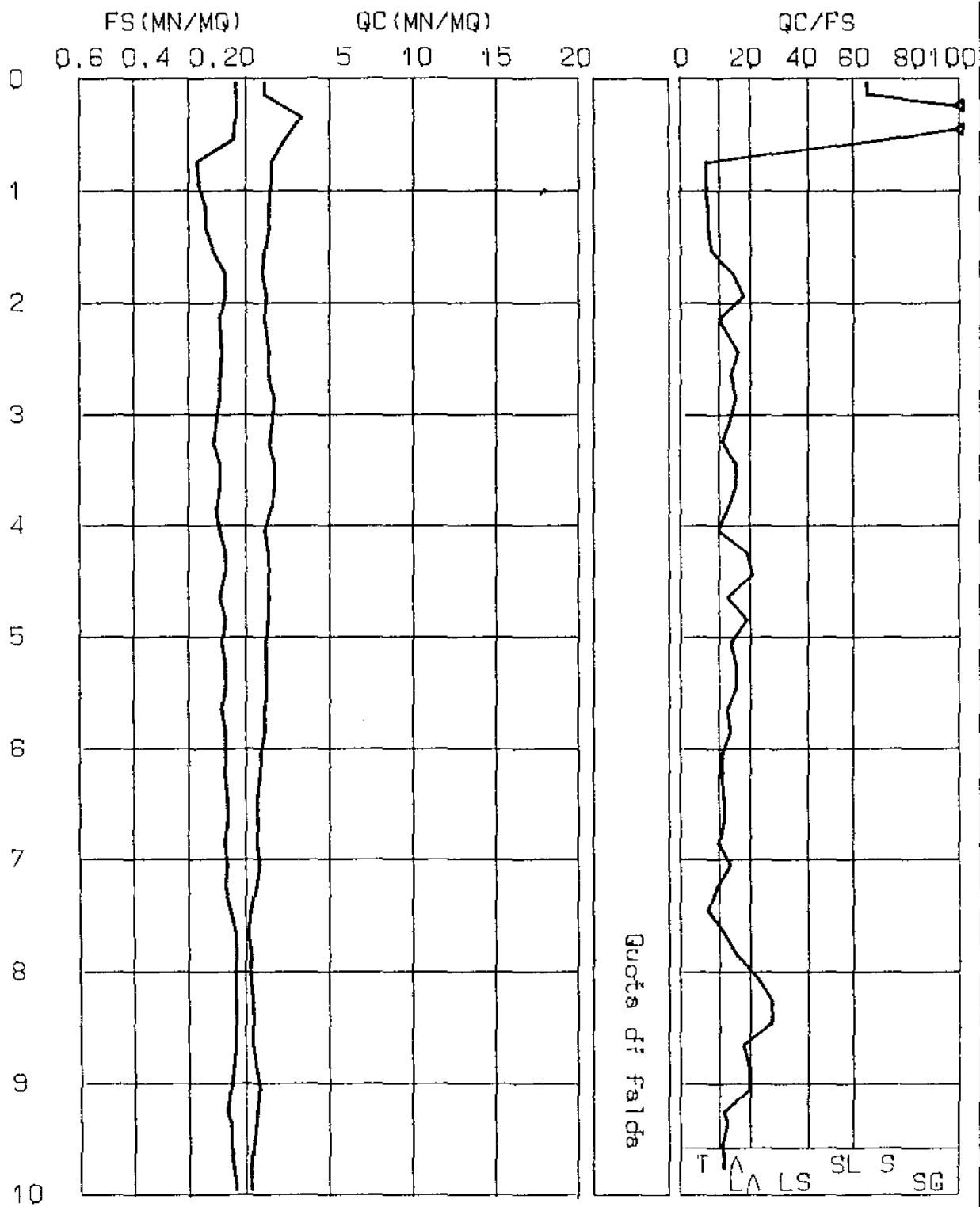
LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LILOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

CPT (CONE PENETROMETER TEST)

Certif. n. 585-AA
del 01/07/1990

Picchetto n. A/2

Cantiere
COSTRUZIONE VILLETTE INDIPENDENTI
Committente



PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 586-AA						CANTIERE : COSTRUZIONE VILLETTE INDIPENDENTI													
1	PROF.	QC	RL	FS	X	1	PROF.	QC	RL	FS	X	1	PROF.	QC	RL	FS	X	1	
1	0.00	15	17	0.13	115.38	1	10.00	7	13	0.48	17.50	1							
1	0.20	15	17	0.13	115.38	1	10.20	8	14	0.48	20.00	1							
1	0.40	37	43	0.40	92.50	1	10.40	12	17	0.33	36.36	1							
1	0.60	23	30	0.47	68.94	1	10.60	13	22	0.60	21.67	1							
1	0.80	14	38	1.60	8.75	1						1							
1	1.00	17	37	1.33	12.78	1						1							
1	1.20	16	37	1.40	11.43	1						1							
1	1.40	17	35	1.20	14.17	1						1							
1	1.60	15	27	0.80	18.75	1						1							
1	1.80	12	21	0.60	20.00	1						1							
1	2.00	13	20	0.47	27.66	1						1							
1	2.20	14	25	0.73	19.18	1						1							
1	2.40	16	30	0.93	17.20	1						1							
1	2.60	18	30	0.80	22.50	1						1							
1	2.80	17	31	0.93	18.28	1						1							
1	3.00	20	32	0.90	25.00	1						1							
1	3.20	19	34	1.00	19.00	1						1							
1	3.40	19	34	1.00	19.00	1						1							
1	3.60	22	35	0.87	25.29	1						1							
1	3.80	17	32	1.00	17.00	1						1							
1	4.00	15	27	0.80	18.75	1						1							
1	4.20	16	27	0.73	21.92	1						1							
1	4.40	19	29	0.67	28.36	1						1							
1	4.60	21	35	0.93	22.58	1						1							
1	4.80	16	32	1.07	14.95	1						1							
1	5.00	15	28	0.87	17.24	1						1							
1	5.20	19	28	0.60	31.67	1						1							
1	5.40	18	30	0.80	22.50	1						1							
1	5.60	14	27	0.87	16.09	1						1							
1	5.80	13	25	0.80	16.25	1						1							
1	6.00	12	24	0.80	15.00	1						1							
1	6.20	12	24	0.80	15.00	1						1							
1	6.40	10	20	0.67	14.93	1						1							
1	6.60	10	18	0.53	18.87	1						1							
1	6.80	11	18	0.47	23.40	1						1							
1	7.00	8	16	0.53	15.09	1						1							
1	7.20	5	11	0.40	12.50	1						1							
1	7.40	5	8	0.20	25.00	1						1							
1	7.60	5	8	0.20	25.00	1						1							
1	7.80	5	8	0.20	25.00	1						1							
1	8.00	4	7	0.20	20.00	1						1							
1	8.20	4	7	0.20	20.00	1						1							
1	8.40	6	9	0.20	30.00	1						1							
1	8.60	7	10	0.20	35.00	1						1							
1	8.80	6	11	0.33	18.18	1						1							
1	9.00	8	12	0.27	29.63	1						1							
1	9.20	10	15	0.33	30.30	1						1							
1	9.40	10	17	0.47	21.28	1						1							
1	9.60	8	16	0.53	15.09	1						1							
1	9.80	8	15	0.47	17.02	1						1							

LEGGENDA : PROF. = PROFONDITA' DI INFESSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cmq
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cmq X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cmq

LITOLOGIA : T=TORRE A=ANGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SB=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

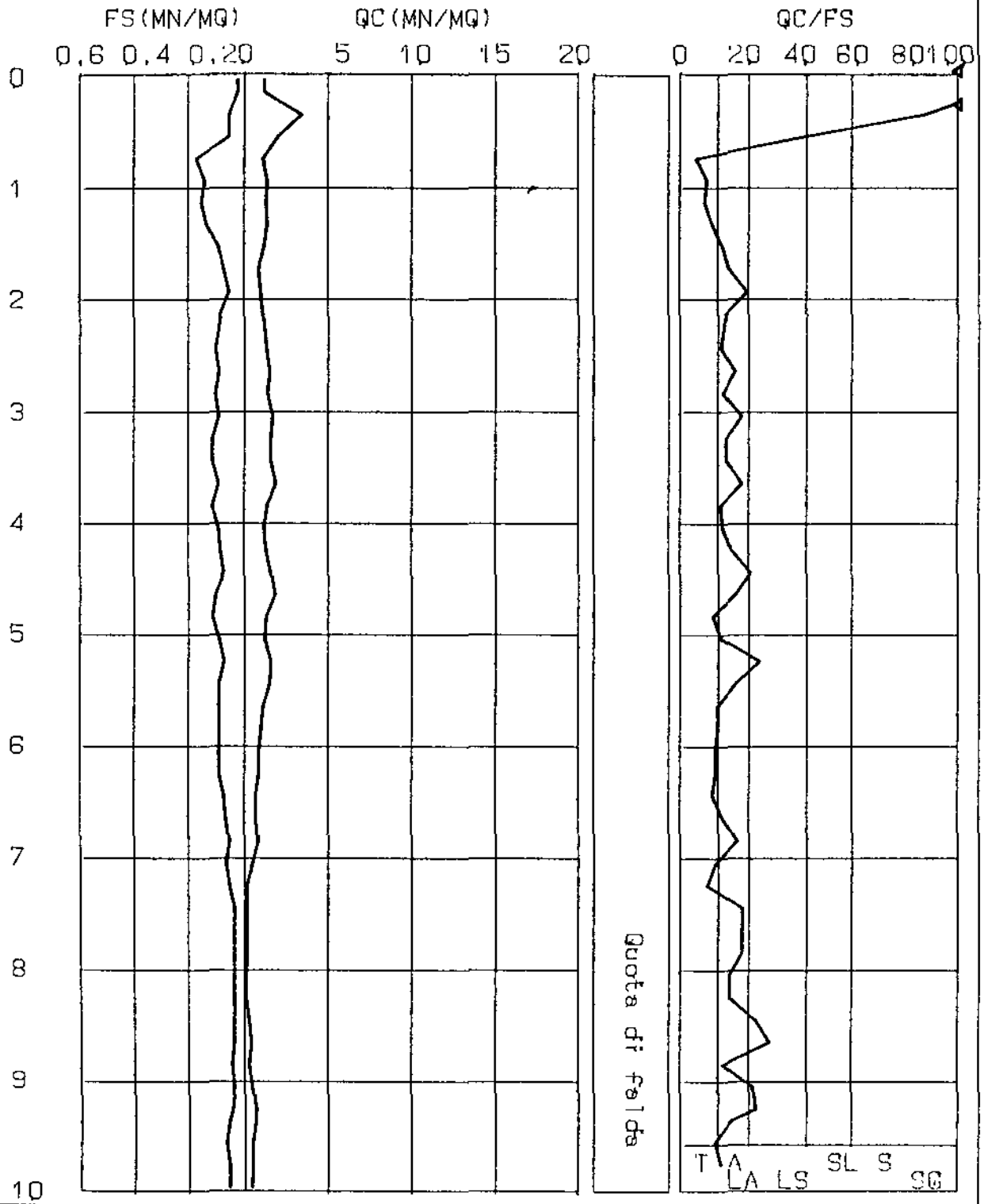
20

CPT (CONE PENETROMETER TEST)

Certif. n. 586-AA
del 01/07/1990

Picchetto n. A/3

Cantiere
COSTRUZIONE VILLETTE INDIPENDENTI
Committente



PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 587-AA						CANTIERE : COSTRUZIONE VILLETTE INDIPENDENTI													
I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	
I	0.00	21	23	0.13	161.54	I	10.00	9	18	0.60	15.00	I							I
I	0.20	21	23	0.13	161.54	I	10.20	10	16	0.40	25.00	I							I
I	0.40	23	38	1.00	23.00	I	10.40	8	16	0.53	15.09	I							I
I	0.60	24	29	0.33	72.73	I	10.60	9	16	0.47	19.15	I							I
I	0.80	15	32	1.13	13.27	I						I							I
I	1.00	12	27	1.00	12.00	I						I							I
I	1.20	15	31	1.07	14.02	I						I							I
I	1.40	15	28	0.87	17.24	I						I							I
I	1.60	13	27	0.93	13.98	I						I							I
I	1.80	10	21	0.73	13.70	I						I							I
I	2.00	11	19	0.53	20.75	I						I							I
I	2.20	14	23	0.60	23.33	I						I							I
I	2.40	14	27	0.87	16.09	I						I							I
I	2.60	19	33	0.93	20.43	I						I							I
I	2.80	19	33	0.93	20.43	I						I							I
I	3.00	19	35	1.07	17.76	I						I							I
I	3.20	20	35	1.00	20.00	I						I							I
I	3.40	19	35	1.07	17.76	I						I							I
I	3.60	18	34	1.07	16.82	I						I							I
I	3.80	18	33	1.00	18.00	I						I							I
I	4.00	14	29	1.00	14.00	I						I							I
I	4.20	14	28	0.93	15.05	I						I							I
I	4.40	16	28	0.80	20.00	I						I							I
I	4.60	15	28	0.87	17.24	I						I							I
I	4.80	16	29	0.87	18.39	I						I							I
I	5.00	19	34	1.00	19.00	I						I							I
I	5.20	15	32	1.13	13.27	I						I							I
I	5.40	18	30	0.80	22.50	I						I							I
I	5.60	17	29	0.80	21.25	I						I							I
I	5.80	15	30	1.00	15.00	I						I							I
I	6.00	15	28	0.87	17.24	I						I							I
I	6.20	14	28	0.93	15.05	I						I							I
I	6.40	13	24	0.73	17.81	I						I							I
I	6.60	11	22	0.73	15.07	I						I							I
I	6.80	8	16	0.53	15.09	I						I							I
I	7.00	9	14	0.33	27.27	I						I							I
I	7.20	6	11	0.33	18.18	I						I							I
I	7.40	9	11	0.13	69.23	I						I							I
I	7.60	13	18	0.33	39.39	I						I							I
I	7.80	14	22	0.53	26.42	I						I							I
I	8.00	19	26	0.47	40.43	I						I							I
I	8.20	12	16	0.27	44.44	I						I							I
I	8.40	5	12	0.47	10.64	I						I							I
I	8.60	7	11	0.27	25.93	I						I							I
I	8.80	9	14	0.33	27.27	I						I							I
I	9.00	10	16	0.40	25.00	I						I							I
I	9.20	12	20	0.53	22.64	I						I							I
I	9.40	14	23	0.60	23.33	I						I							I
I	9.60	12	23	0.73	16.44	I						I							I
I	9.80	11	20	0.60	18.33	I						I							I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CH. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

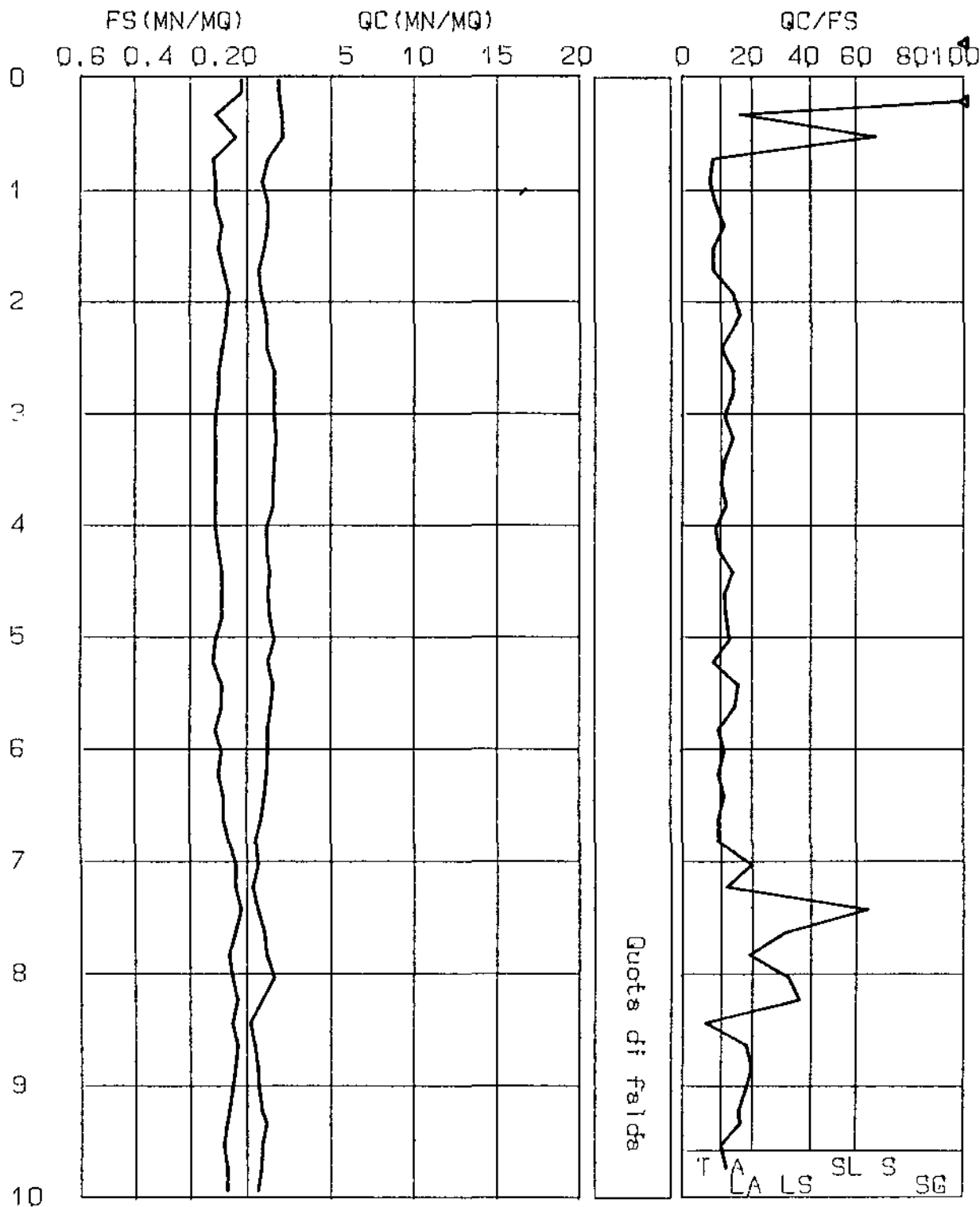
LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLA

CPT (CONE PENETROMETER TEST)

Certif. n. 587-AA
del 01/07/1990

Picchetto n. A/4

Cantiere
COSTRUZIONE VILLETTE INDIPENDENTI
Committente



PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 588-AA					CANTIERE : COSTRUZIONE VILLETTE INDIPENDENTI													
I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I
I	0.00	80	120	2.67	29.96	I	10.00	8	14	0.40	20.00	I						I
I	0.20	80	120	2.67	29.96	I	10.20	8	14	0.40	20.00	I						I
I	0.40	70	100	2.00	35.00	I	10.40	7	13	0.40	17.50	I						I
I	0.60	40	89	3.27	12.23	I	10.60	8	14	0.40	20.00	I						I
I	0.80	15	36	1.40	10.71	I						I						I
I	1.00	12	33	1.40	8.57	I						I						I
I	1.20	13	33	1.33	9.77	I						I						I
I	1.40	14	29	1.00	14.00	I						I						I
I	1.60	14	31	1.13	12.39	I						I						I
I	1.80	11	25	0.93	11.83	I						I						I
I	2.00	9	23	0.93	9.68	I						I						I
I	2.20	13	24	0.73	17.81	I						I						I
I	2.40	17	28	0.73	23.29	I						I						I
I	2.60	17	30	0.87	19.54	I						I						I
I	2.80	17	32	1.00	17.00	I						I						I
I	3.00	16	28	0.80	20.00	I						I						I
I	3.20	17	28	0.73	23.29	I						I						I
I	3.40	18	30	0.80	22.50	I						I						I
I	3.60	19	31	0.80	23.75	I						I						I
I	3.80	17	30	0.87	19.54	I						I						I
I	4.00	13	25	0.80	16.25	I						I						I
I	4.20	7	17	0.67	10.45	I						I						I
I	4.40	10	15	0.33	30.30	I						I						I
I	4.60	18	23	0.33	54.55	I						I						I
I	4.80	19	22	0.20	95.00	I						I						I
I	5.00	12	19	0.47	25.53	I						I						I
I	5.20	14	20	0.40	35.00	I						I						I
I	5.40	14	20	0.40	35.00	I						I						I
I	5.60	13	22	0.60	21.67	I						I						I
I	5.80	11	21	0.67	16.42	I						I						I
I	6.00	12	22	0.67	17.91	I						I						I
I	6.20	11	23	0.80	13.75	I						I						I
I	6.40	12	22	0.67	17.91	I						I						I
I	6.60	9	20	0.73	12.33	I						I						I
I	6.80	11	20	0.60	18.33	I						I						I
I	7.00	12	21	0.60	20.00	I						I						I
I	7.20	10	21	0.73	13.70	I						I						I
I	7.40	8	17	0.60	13.33	I						I						I
I	7.60	8	14	0.40	20.00	I						I						I
I	7.80	6	12	0.40	15.00	I						I						I
I	8.00	5	10	0.33	15.15	I						I						I
I	8.20	6	10	0.27	22.22	I						I						I
I	8.40	7	11	0.27	25.93	I						I						I
I	8.60	9	14	0.33	27.27	I						I						I
I	8.80	10	16	0.40	25.00	I						I						I
I	9.00	10	17	0.47	21.28	I						I						I
I	9.20	9	14	0.33	27.27	I						I						I
I	9.40	9	16	0.47	19.15	I						I						I
I	9.60	11	19	0.53	20.75	I						I						I
I	9.80	9	17	0.53	16.98	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

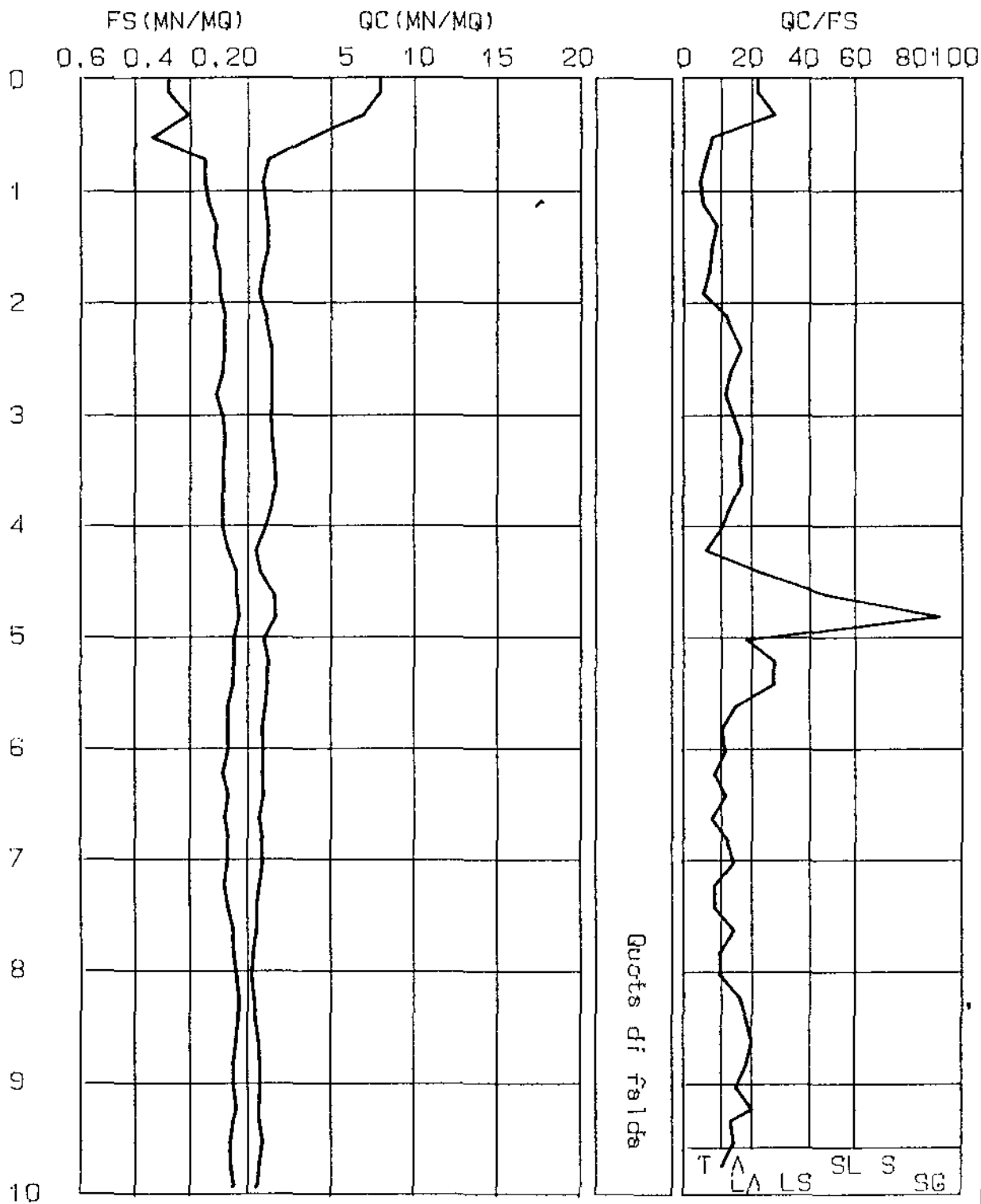
LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

CPT (CONE PENETROMETER TEST)

Certif. n. 588-AA
del 01/07/1990

Picchetto n. A/5

Cantiere
COSTRUZIONE VILLETTE INDIPENDENTI
Committente



PROVA PENETROMETRICA STATICA

CERIFICATO N.RO : 589-AA						CANTIERE : COSTRUZIONE VILLETTE INDIPENDENTI													
I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	
I	0.00	58	70	0.80	72.50	I	10.00	9	17	0.53	16.98	I							
I	0.20	58	70	0.80	72.50	I	10.20	9	16	0.47	19.15	I							
I	0.40	60	70	0.67	89.55	I	10.40	10	15	0.33	30.30	I							
I	0.60	40	56	1.07	37.38	I	10.60	12	18	0.40	30.00	I							
I	0.80	28	44	1.07	26.17	I						I							
I	1.00	20	29	0.60	33.33	I						I							
I	1.20	14	34	1.33	10.53	I						I							
I	1.40	14	33	1.27	11.02	I						I							
I	1.60	13	26	0.87	14.94	I						I							
I	1.80	12	23	0.73	16.44	I						I							
I	2.00	11	20	0.60	18.33	I						I							
I	2.20	9	17	0.53	16.98	I						I							
I	2.40	13	22	0.60	21.67	I						I							
I	2.60	19	29	0.67	28.36	I						I							
I	2.80	19	33	0.93	20.43	I						I							
I	3.00	16	30	0.93	17.20	I						I							
I	3.20	18	29	0.73	24.66	I						I							
I	3.40	16	30	0.93	17.20	I						I							
I	3.60	18	31	0.87	20.69	I						I							
I	3.80	16	29	0.87	18.39	I						I							
I	4.00	14	26	0.80	17.50	I						I							
I	4.20	10	16	0.40	25.00	I						I							
I	4.40	12	18	0.40	30.00	I						I							
I	4.60	16	23	0.47	34.04	I						I							
I	4.80	18	22	0.27	66.67	I						I							
I	5.00	13	19	0.40	32.50	I						I							
I	5.20	13	21	0.53	24.53	I						I							
I	5.40	16	22	0.40	40.00	I						I							
I	5.60	15	24	0.60	25.00	I						I							
I	5.80	13	24	0.73	17.81	I						I							
I	6.00	12	23	0.73	16.44	I						I							
I	6.20	12	23	0.73	16.44	I						I							
I	6.40	16	26	0.67	23.88	I						I							
I	6.60	13	21	0.53	24.53	I						I							
I	6.80	13	21	0.53	24.53	I						I							
I	7.00	15	23	0.53	28.30	I						I							
I	7.20	12	24	0.80	15.00	I						I							
I	7.40	10	17	0.47	21.28	I						I							
I	7.60	9	11	0.13	69.23	I						I							
I	7.80	8	12	0.27	29.63	I						I							
I	8.00	10	12	0.13	76.92	I						I							
I	8.20	12	21	0.60	20.00	I						I							
I	8.40	11	19	0.53	20.75	I						I							
I	8.60	7	12	0.33	21.21	I						I							
I	8.80	8	13	0.33	24.24	I						I							
I	9.00	9	13	0.27	33.33	I						I							
I	9.20	10	17	0.47	21.28	I						I							
I	9.40	11	19	0.53	20.75	I						I							
I	9.60	10	18	0.53	18.87	I						I							
I	9.80	10	18	0.53	18.87	I						I							

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

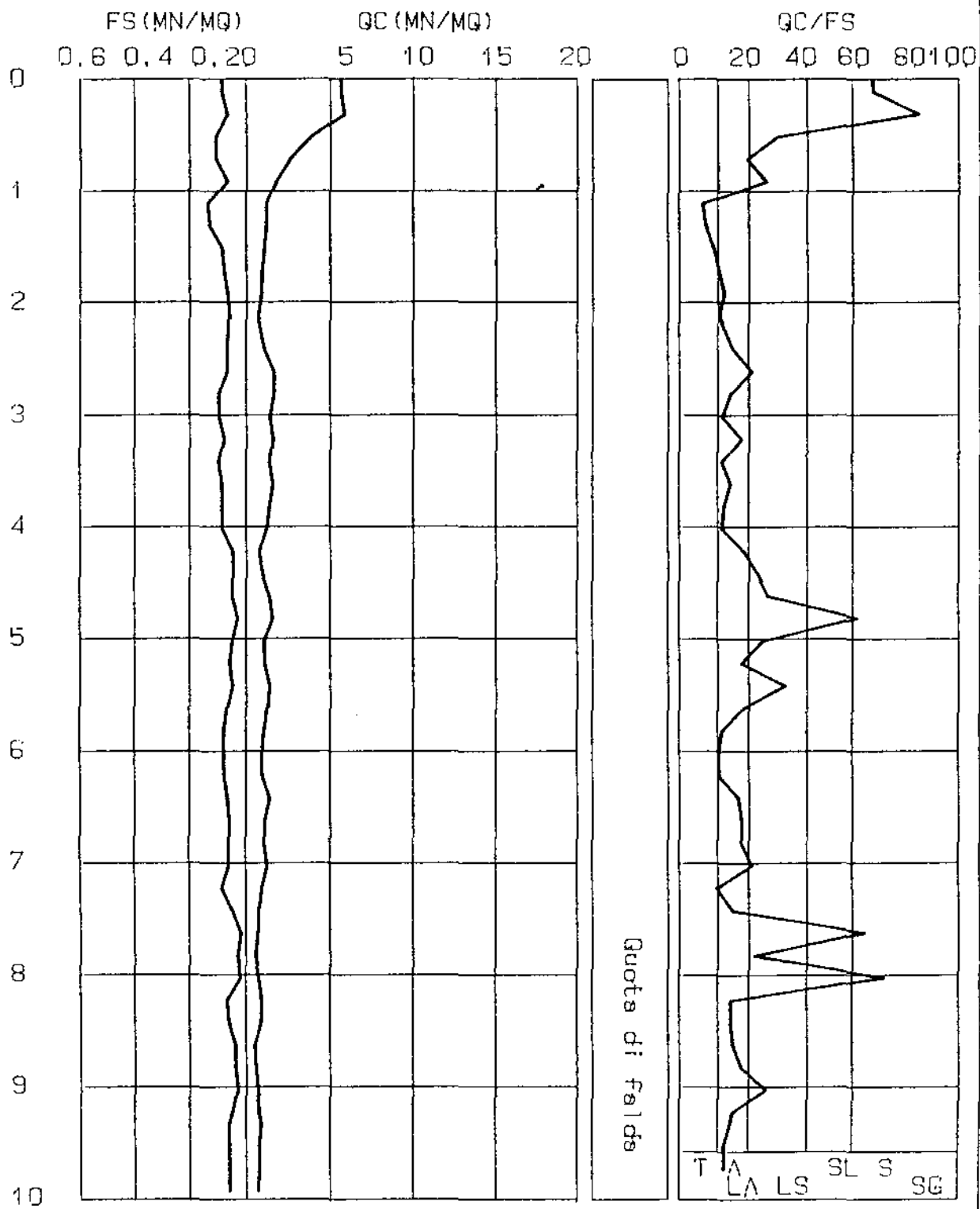
LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

CPT (CONE PENETROMETER TEST)

Certif. n. 589-AA
del 01/07/1990

Picchetto n. A/6

Cantiere
COSTRUZIONE VILLETTE INDIPENDENTI
Committente



PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 112-AA

CANTIERE : AMPLIAMENTO FABBRICATO DI CIVILE ABITAZIONE

I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I
I	0.20	5	5	0.00	0.00	I						I						I
I	0.40	5	7	0.13	38.46	I						I						I
I	0.60	4	7	0.20	20.00	I						I						I
I	0.80	4	7	0.20	20.00	I						I						I
I	1.00	6	10	0.27	22.22	I						I						I
I	1.20	11	18	0.47	23.40	I						I						I
I	1.40	10	18	0.53	18.87	I						I						I
I	1.60	7	13	0.40	17.50	I						I						I
I	1.80	6	9	0.20	30.00	I						I						I
I	2.00	7	12	0.33	21.21	I						I						I
I	2.20	8	14	0.40	20.00	I						I						I
I	2.40	8	14	0.40	20.00	I						I						I
I	2.60	8	15	0.47	17.02	I						I						I
I	2.80	8	15	0.47	17.02	I						I						I
I	3.00	10	16	0.40	25.00	I						I						I
I	3.20	9	16	0.47	19.15	I						I						I
I	3.40	8	14	0.40	20.00	I						I						I
I	3.60	12	18	0.40	30.00	I						I						I
I	3.80	14	25	0.73	19.18	I						I						I
I	4.00	14	24	0.67	20.90	I						I						I
I	4.20	10	19	0.60	16.67	I						I						I
I	4.40	9	17	0.53	16.98	I						I						I
I	4.60	8	14	0.40	20.00	I						I						I
I	4.80	10	16	0.40	25.00	I						I						I
I	5.00	15	28	0.87	17.24	I						I						I
I	5.20	11	26	1.00	11.00	I						I						I
I	5.40	9	20	0.73	12.33	I						I						I
I	5.60	11	23	0.80	13.75	I						I						I
I	5.80	10	22	0.80	12.50	I						I						I
I	6.00	8	18	0.67	11.94	I						I						I
I	6.20	8	17	0.60	13.33	I						I						I
I	6.40	8	16	0.53	15.09	I						I						I
I	6.60	9	18	0.60	15.00	I						I						I
I	6.80	9	18	0.60	15.00	I						I						I
I	7.00	10	20	0.67	14.93	I						I						I
I	7.20	9	18	0.60	15.00	I						I						I
I	7.40	8	14	0.40	20.00	I						I						I
I	7.60	11	14	0.20	55.00	I						I						I
I	7.80	7	9	0.13	53.85	I						I						I
I	8.00	6	8	0.13	46.15	I						I						I
I	8.20	6	8	0.13	46.15	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dn/cmq
 QC = RESISTENZA SPECIFICA ALLA PUNTA dn/cmq X = RAPPORTO QC/FS t
 RL = RESISTENZA LATERALE TOTALE dn/cmq

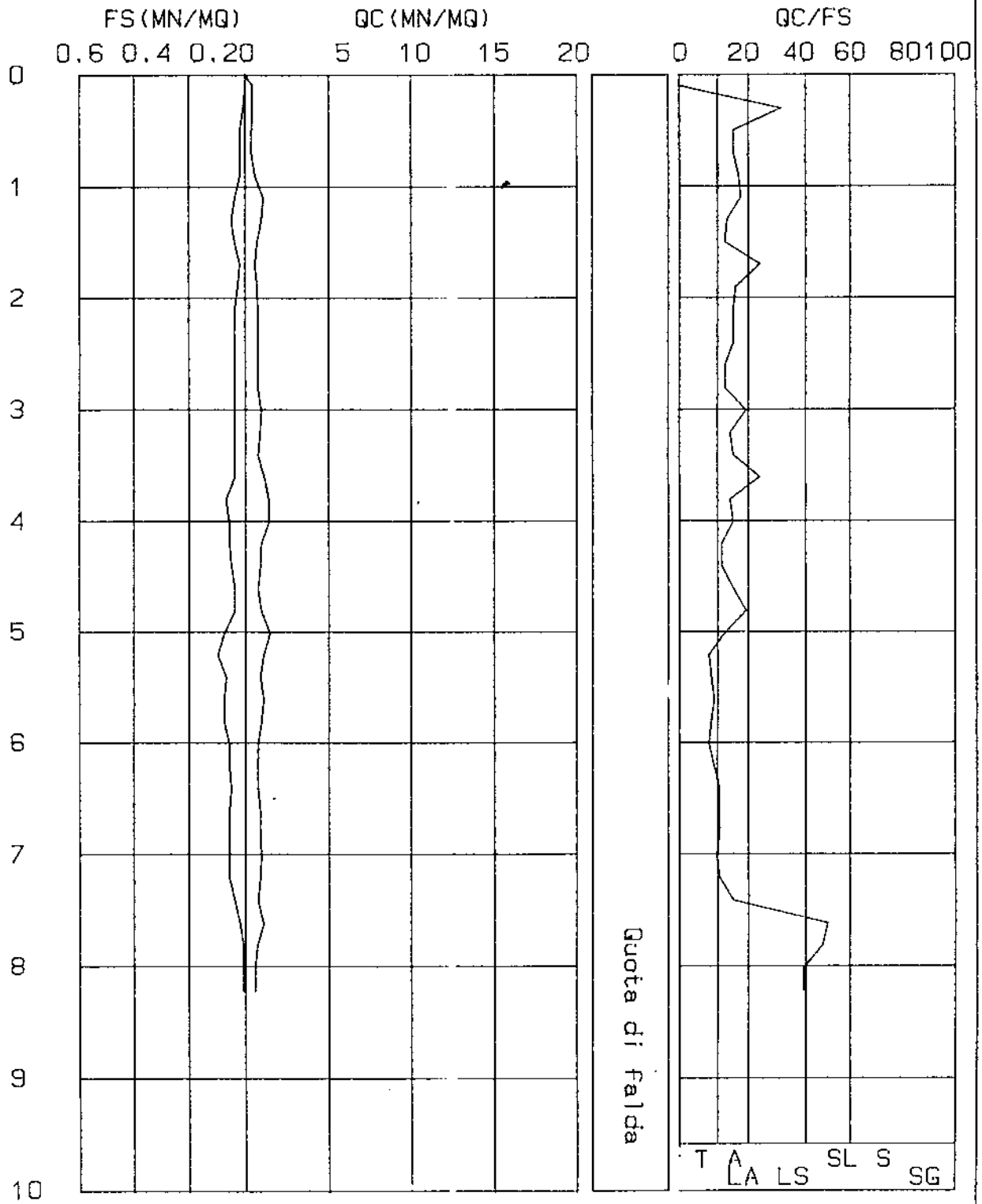
LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLUSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SC=SABBIE E CIOTOLE AC=TERRENO ACQUOSO

CPT (CONE PENETROMETER TEST)

Certif.n. 112-AA
del 05/11/1992

Picchetto n. P/1

Cantiere
AMPLIAMENTO FABBRICATO DI CIVILE ABITAZIONE
Committente



Quota di Falda

T A LA LS SL S SG

ROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 113-AA

CANTIERE : AMPLIAMENTO FABBRICATO DI CIVILE ABITAZIONE

I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I
I	0.20	3	4	0.07	42.86	I						I						I
I	0.40	5	7	0.13	38.46	I						I						I
I	0.60	7	11	0.27	25.93	I						I						I
I	0.80	6	10	0.27	22.22	I						I						I
I	1.00	8	12	0.27	29.63	I						I						I
I	1.20	8	14	0.40	20.00	I						I						I
I	1.40	10	17	0.47	21.28	I						I						I
I	1.60	11	19	0.53	20.75	I						I						I
I	1.80	10	16	0.53	18.87	I						I						I
I	2.00	11	19	0.53	20.75	I						I						I
I	2.20	10	17	0.47	21.28	I						I						I
I	2.40	10	15	0.33	30.30	I						I						I
I	2.60	10	16	0.40	25.00	I						I						I
I	2.80	9	15	0.40	22.50	I						I						I
I	3.00	8	12	0.27	29.63	I						I						I
I	3.20	11	17	0.40	27.50	I						I						I
I	3.40	10	19	0.60	16.67	I						I						I
I	3.60	10	16	0.40	25.00	I						I						I
I	3.80	10	15	0.33	30.30	I						I						I
I	4.00	11	17	0.40	27.50	I						I						I
I	4.20	13	22	0.60	21.67	I						I						I
I	4.40	14	24	0.67	20.90	I						I						I
I	4.60	18	31	0.87	20.69	I						I						I
I	4.80	19	34	1.00	19.00	I						I						I
I	5.00	15	31	1.07	14.02	I						I						I
I	5.20	14	27	0.87	16.09	I						I						I
I	5.40	12	26	0.93	12.90	I						I						I
I	5.60	9	19	0.67	13.43	I						I						I
I	5.80	10	16	0.40	25.00	I						I						I
I	6.00	13	21	0.53	24.53	I						I						I
I	6.20	12	20	0.53	22.64	I						I						I
I	6.40	10	17	0.47	21.28	I						I						I
I	6.60	10	18	0.53	18.87	I						I						I
I	6.80	11	18	0.47	23.40	I						I						I
I	7.00	12	19	0.47	25.53	I						I						I
I	7.20	12	19	0.47	25.53	I						I						I
I	7.40	11	16	0.47	23.40	I						I						I
I	7.60	12	19	0.47	25.53	I						I						I
I	7.80	11	18	0.47	23.40	I						I						I
I	8.00	11	18	0.47	23.40	I						I						I
I	8.20	8	12	0.27	29.63	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFIESSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

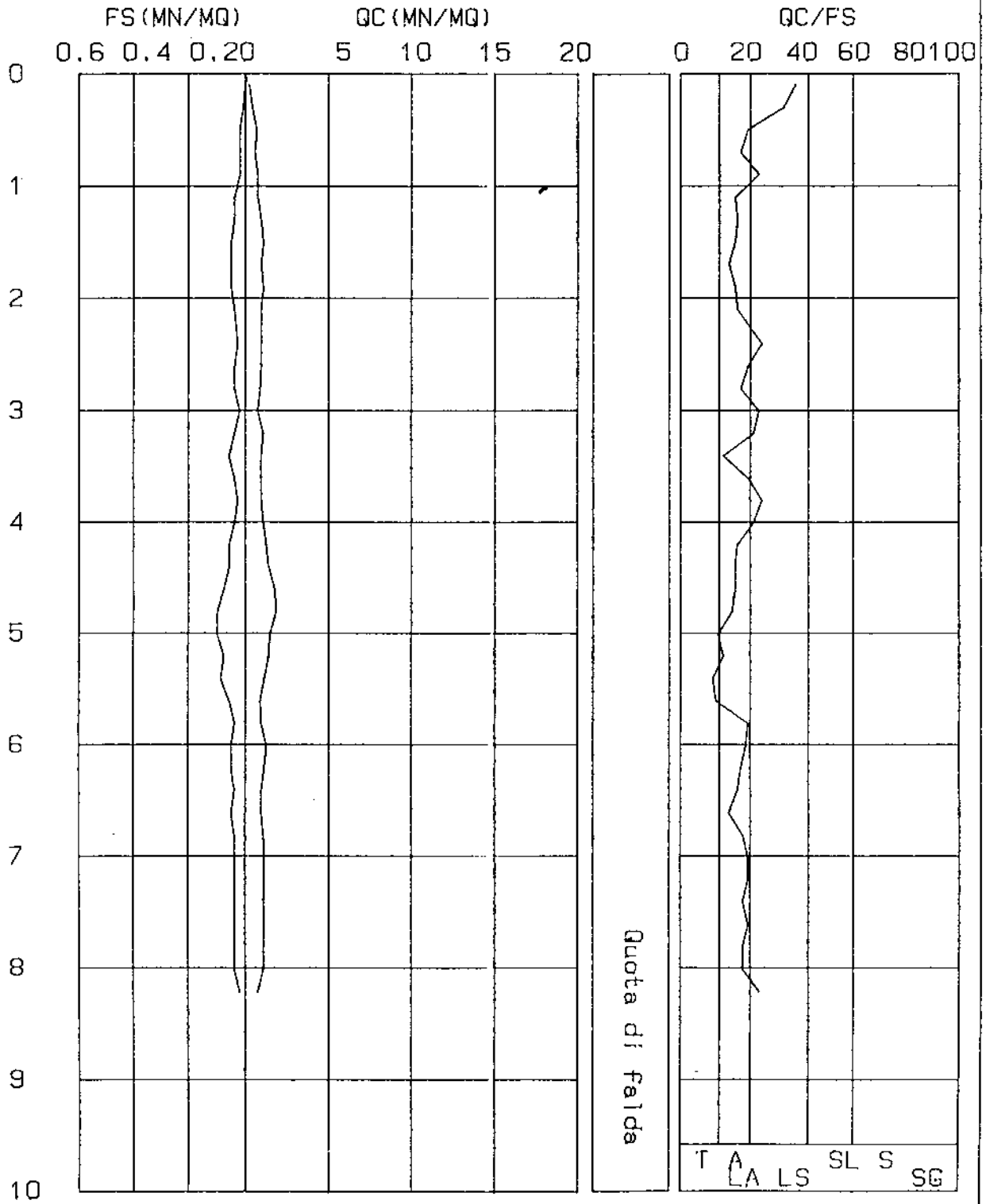
LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

CPT (CONE PENETROMETER TEST)

Certif.n. 113-AA
del 05/11/1992

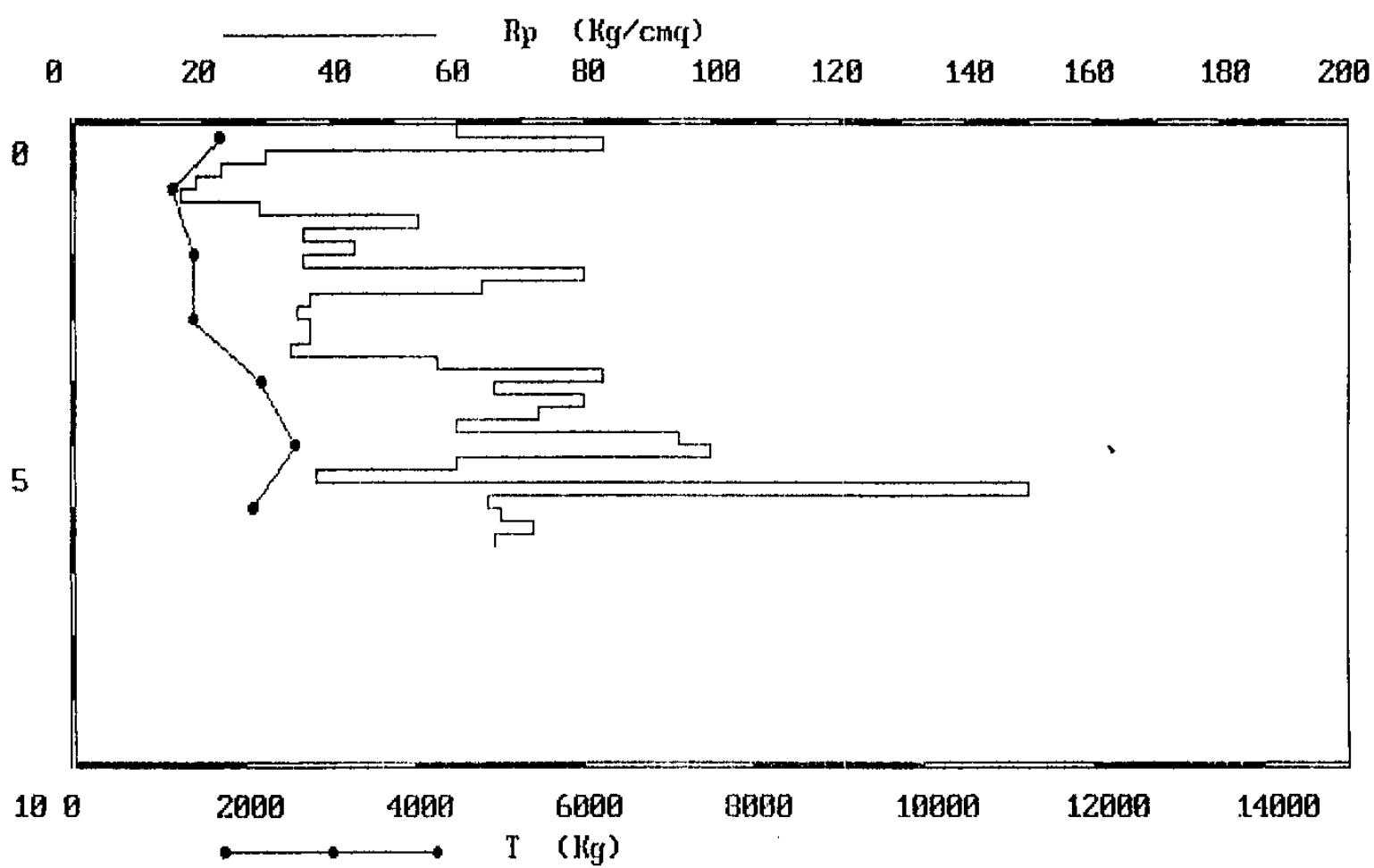
Picchetto n. P/2

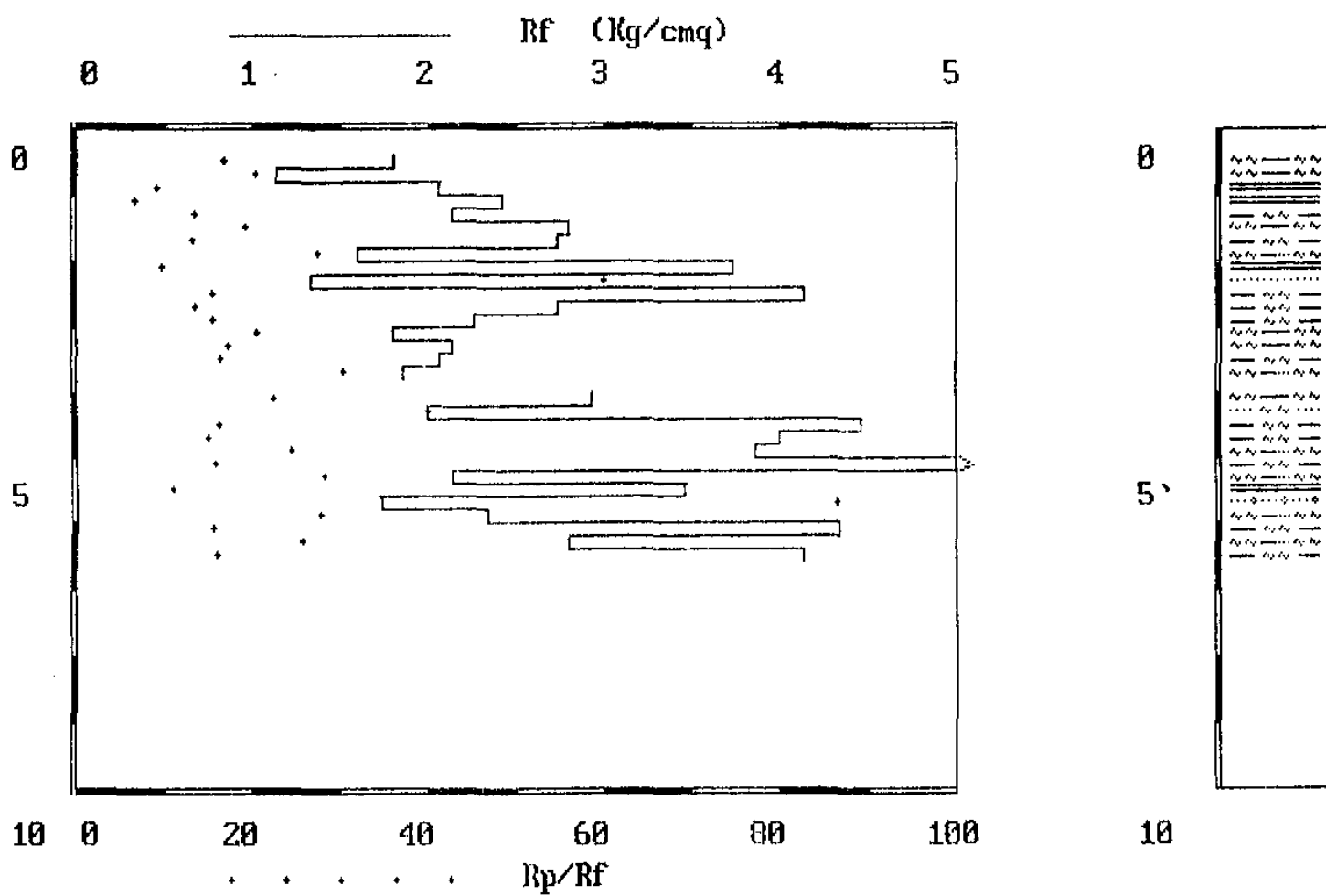
Cantiere
AMPLIAMENTO FABBRICATO DI CIVILE ABITAZIONE
Committente

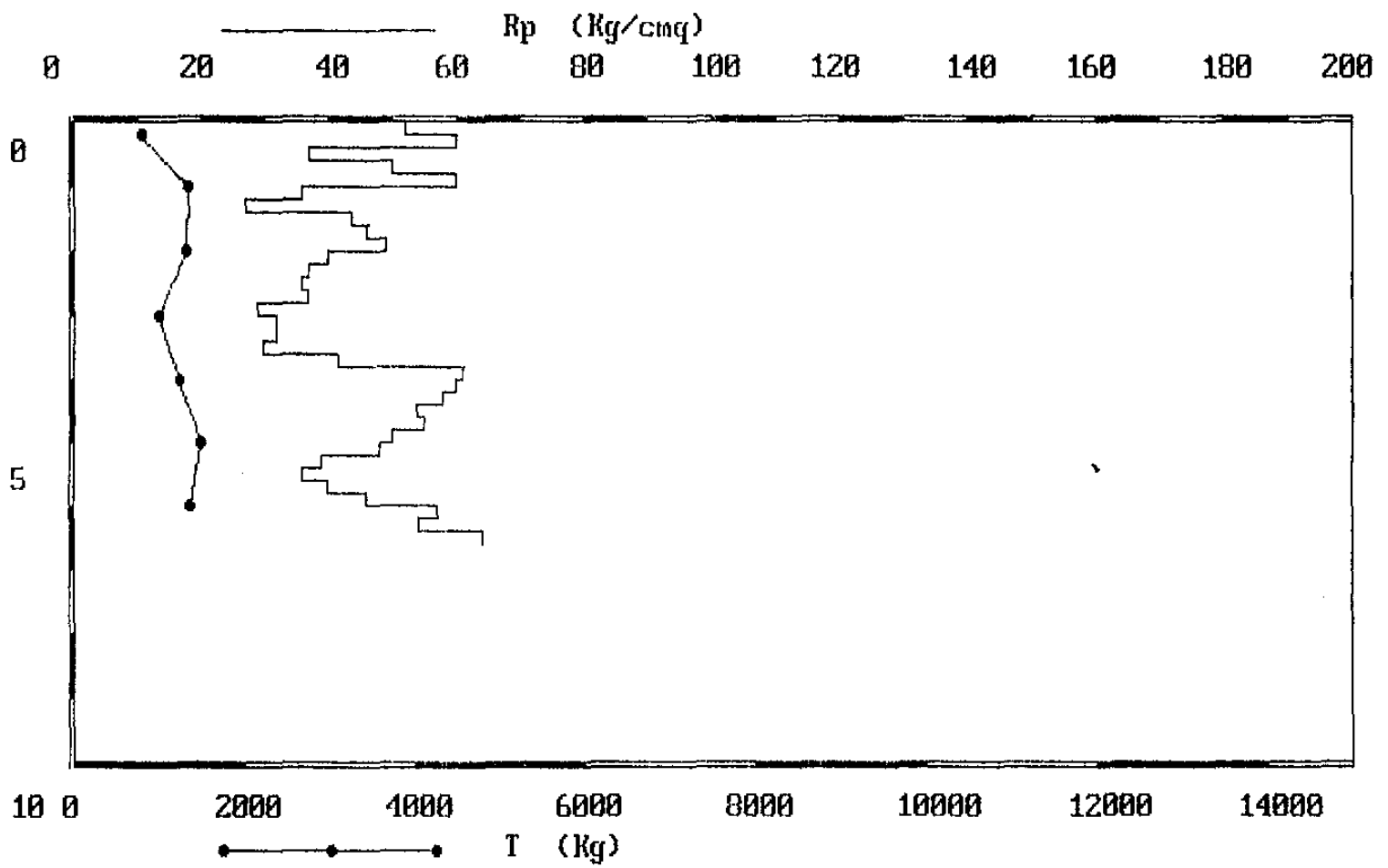


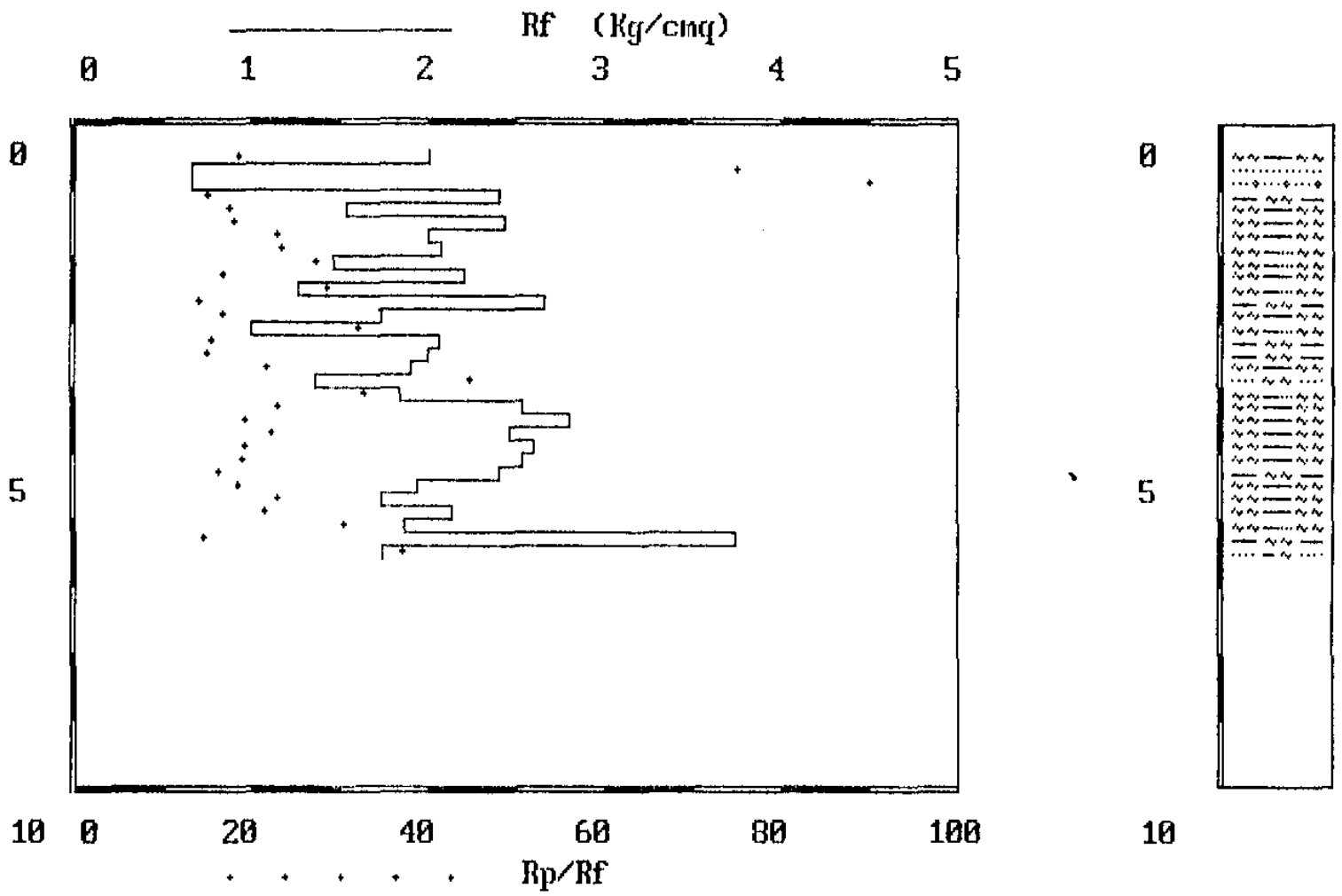
Quota di falda

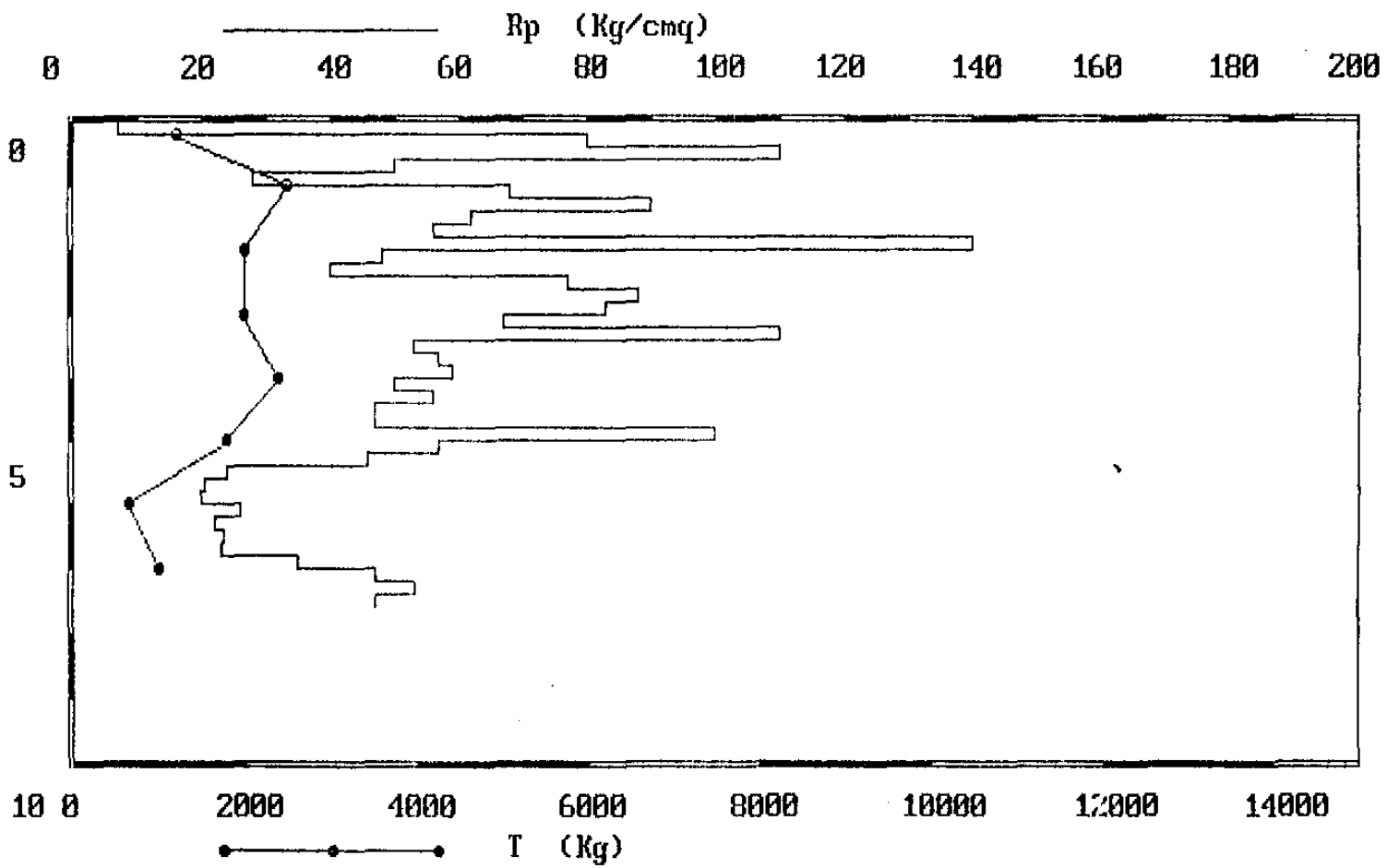
T A LS SL S SG

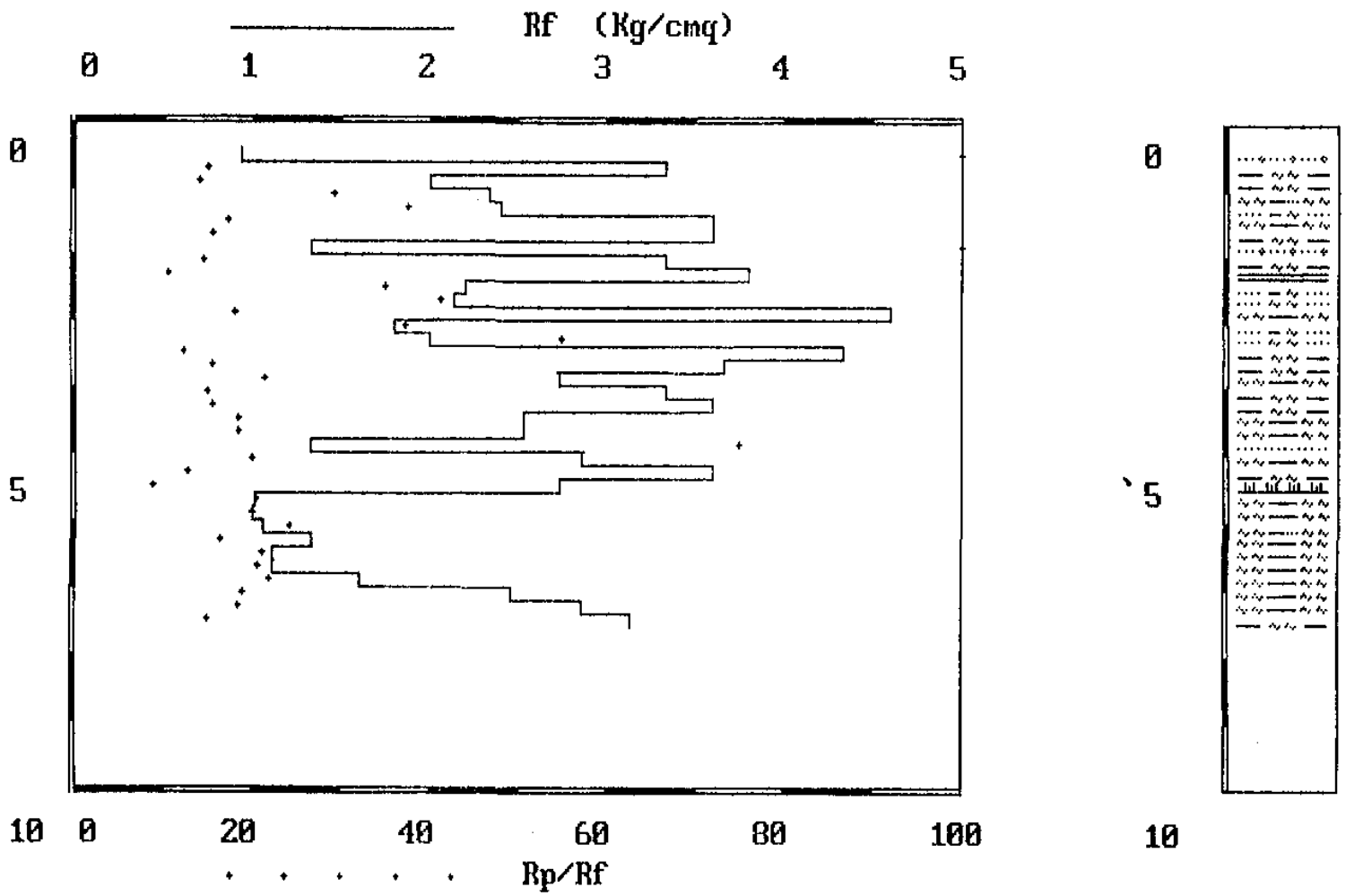


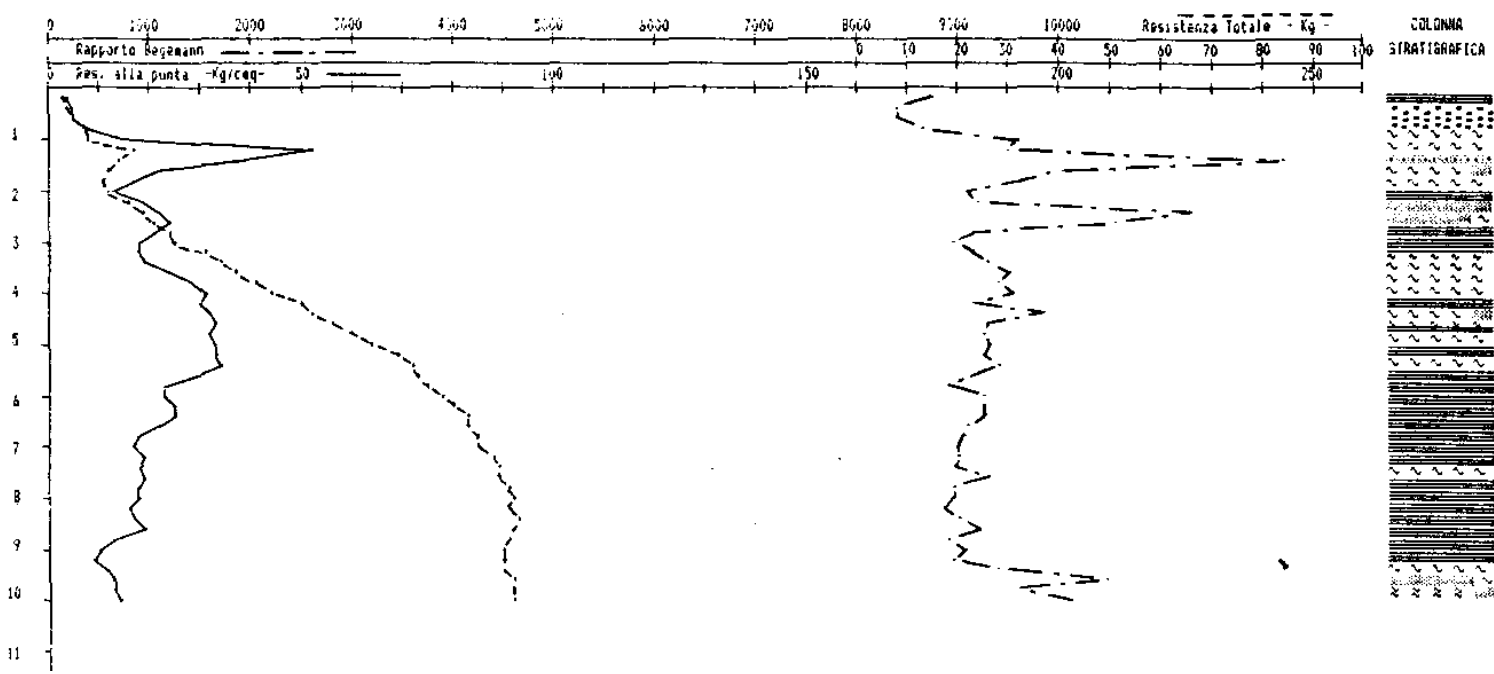


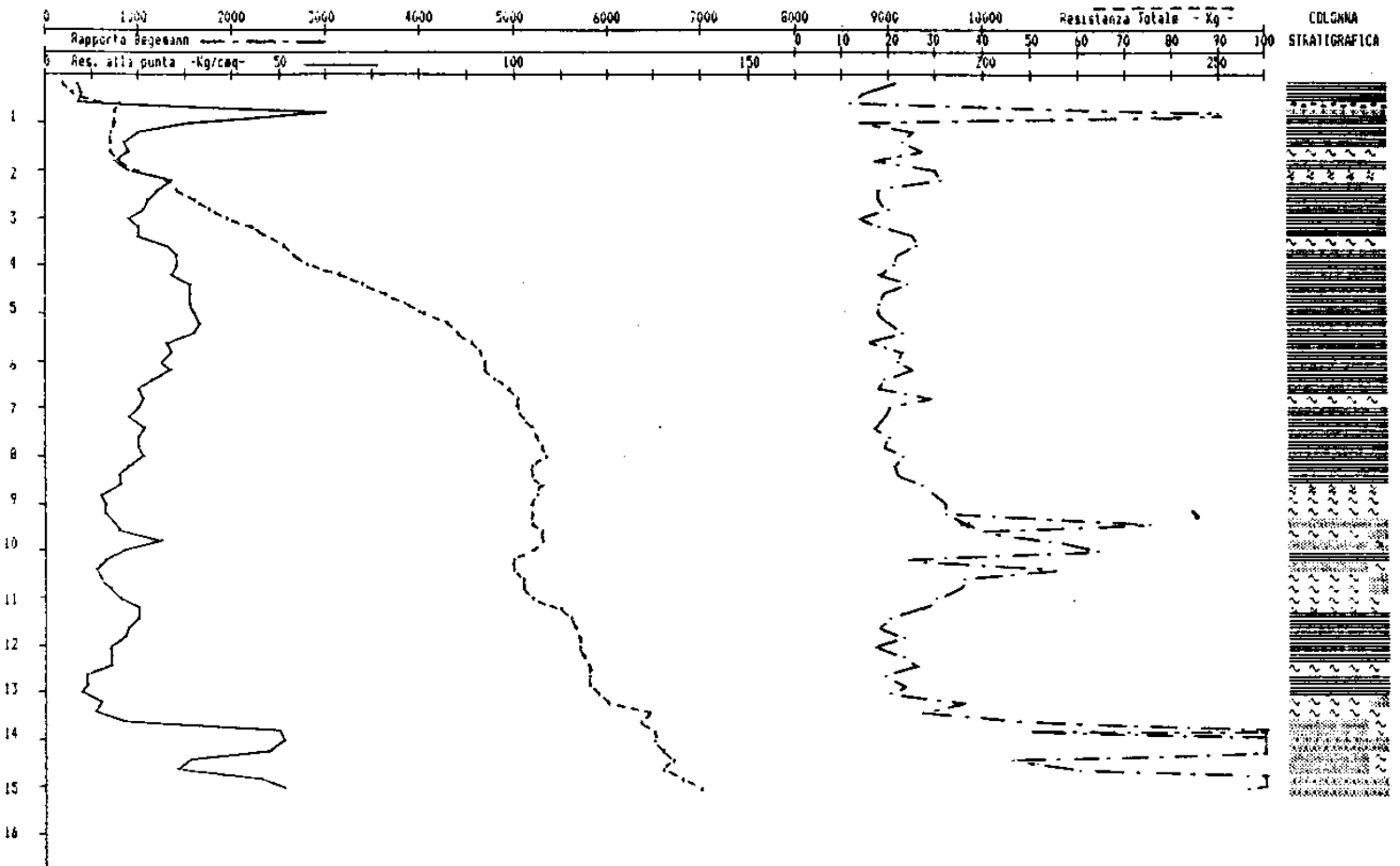


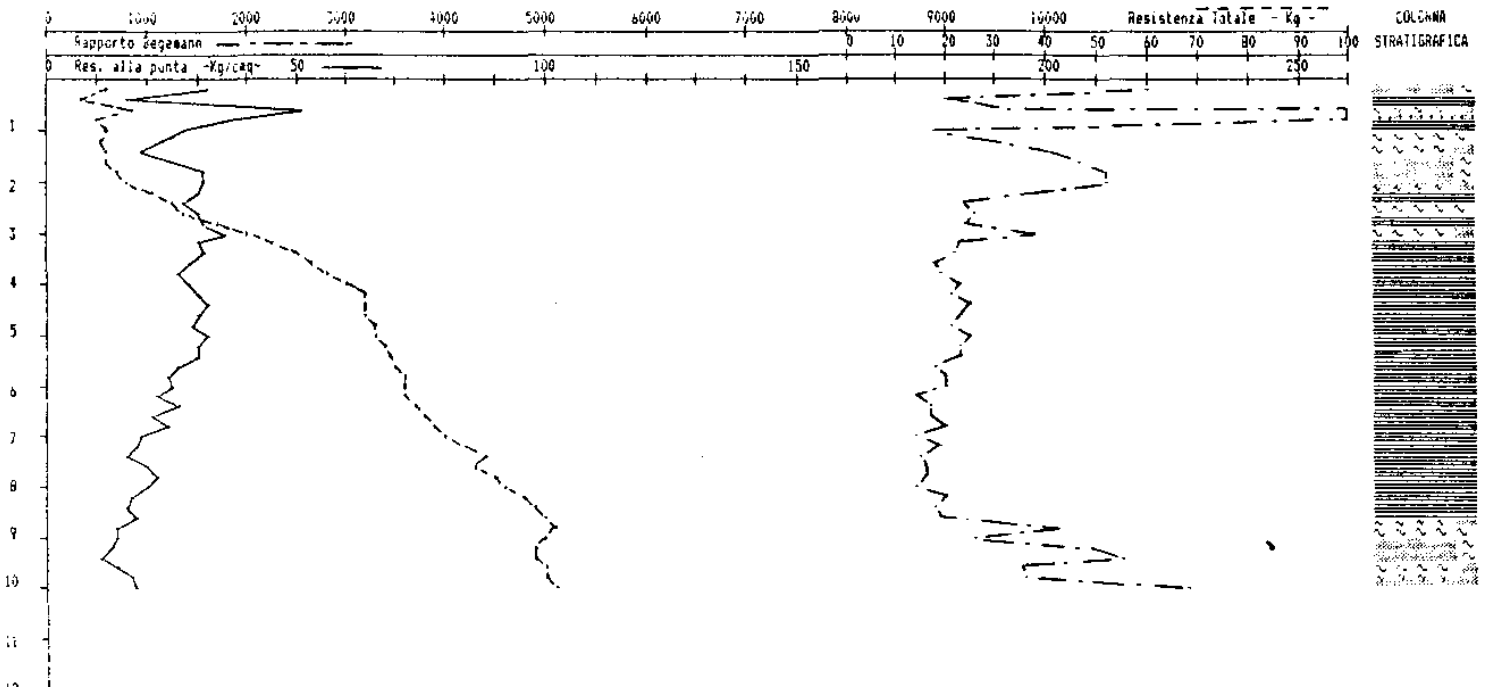


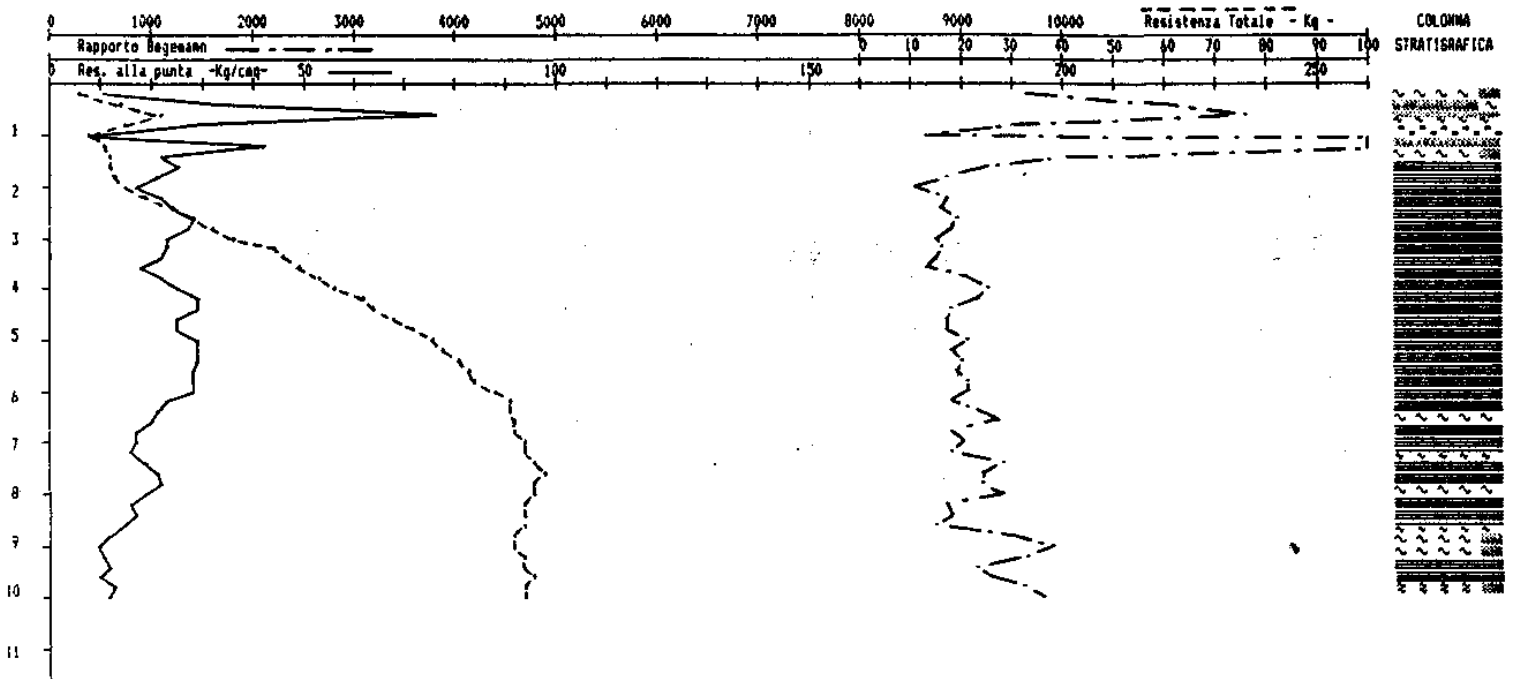


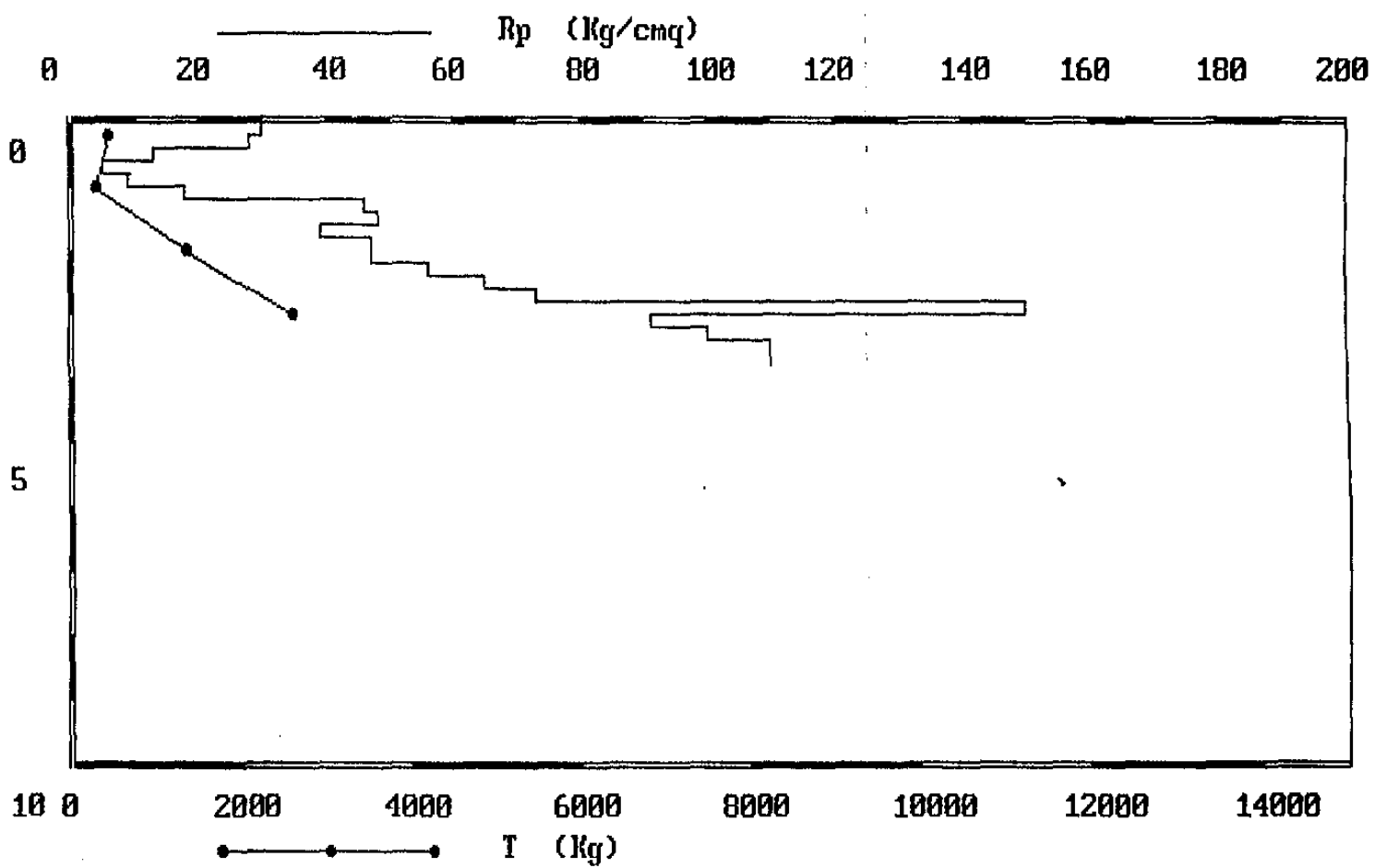


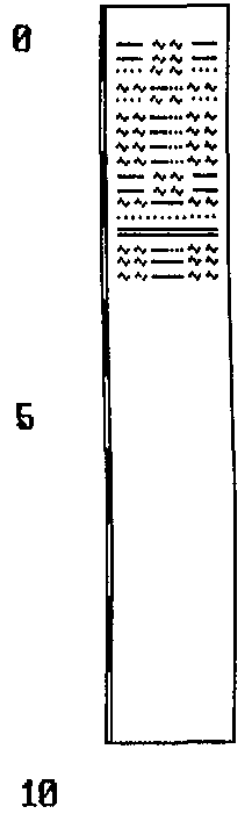
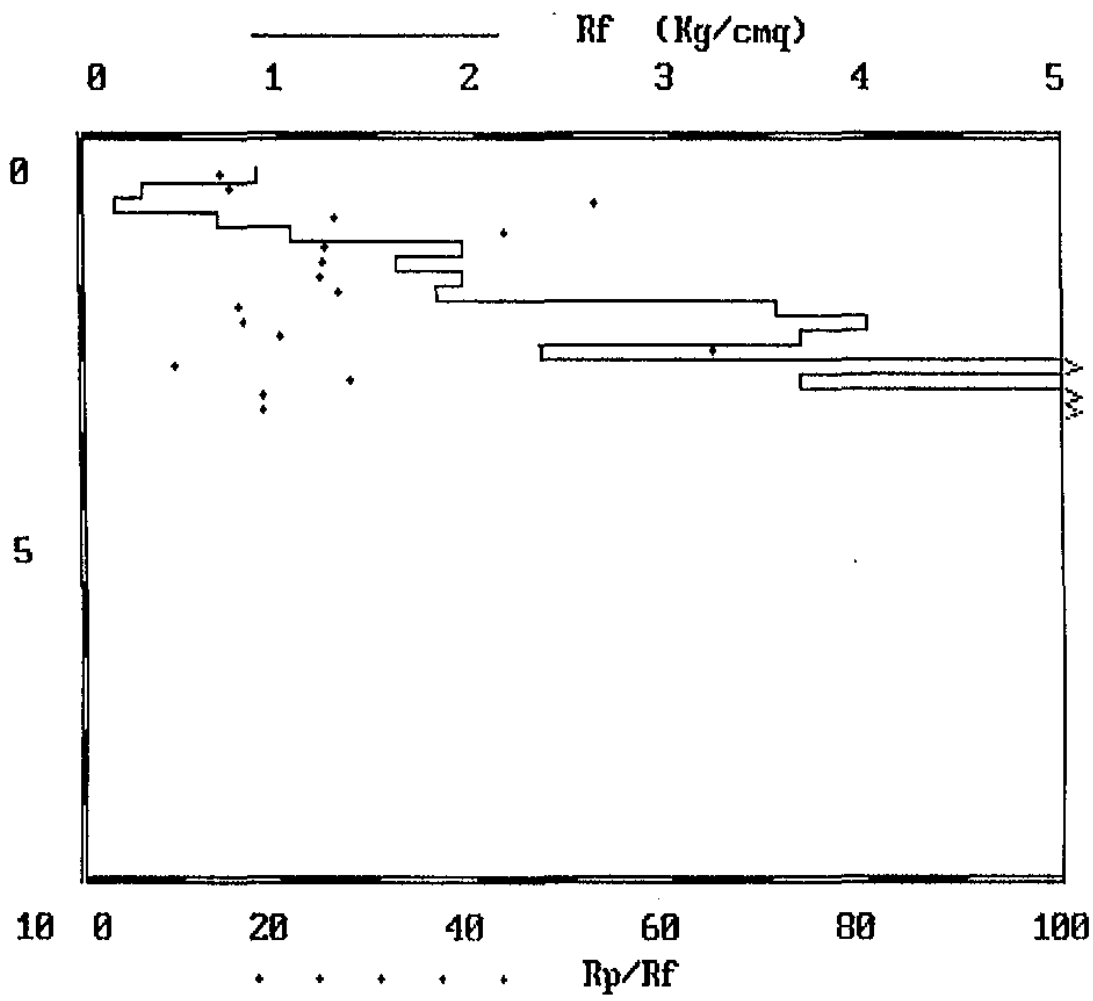








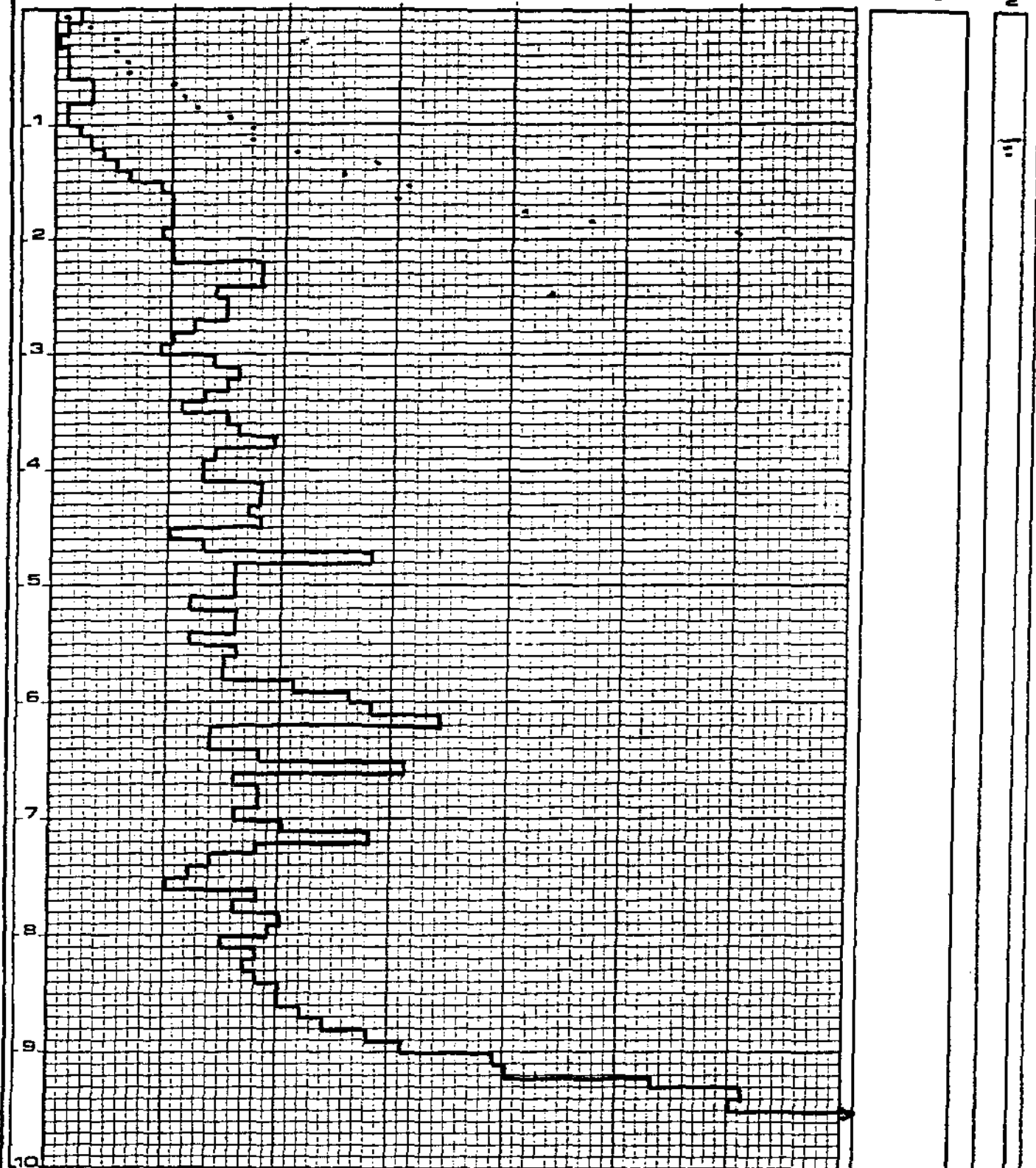




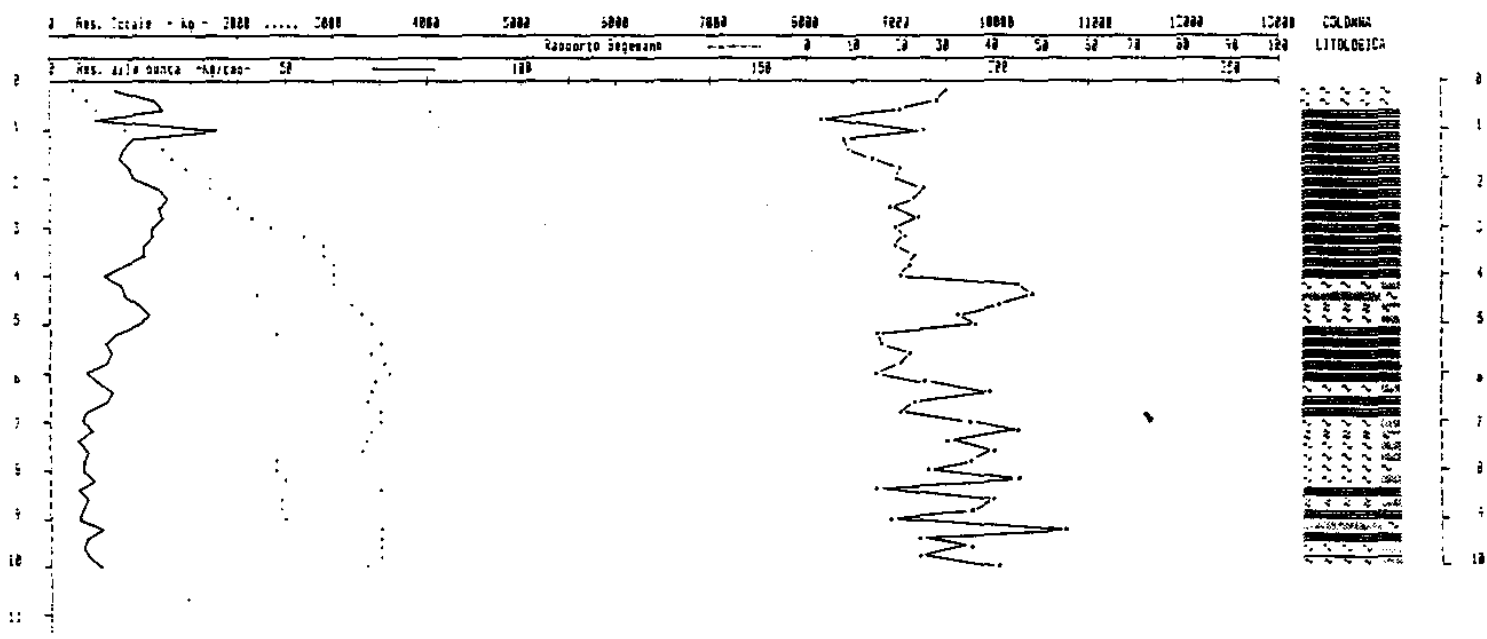
DYNAMIC-PENETROMETER TEST

N DL030

0 10 20 30 40 50 60 Litologia H₂O



Descrizione:



CERTIFICATO N.RO : 425-AA

CANTIERE :

PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I
0.00	26	30	0.27	96.30	I	10.00	8	12	0.27	29.63	I						
0.20	26	30	0.27	96.30	I	10.20	11	15	0.27	40.74	I						
0.40	32	36	0.27	118.52	I	10.40	13	18	0.33	39.39	I						
0.60	16	27	0.73	21.92	I	10.60	13	21	0.53	24.53	I						
0.80	15	34	1.27	11.81	I												
1.00	12	26	0.93	12.90	I												
1.20	13	23	0.67	19.40	I												
1.40	15	26	0.73	20.55	I												
1.60	13	24	0.73	17.81	I												
1.80	10	19	0.60	16.67	I												
2.00	12	20	0.53	22.64	I												
2.20	19	26	0.47	40.43	I												
2.40	21	35	0.93	22.58	I												
2.60	21	35	0.93	22.58	I												
2.80	19	32	0.87	21.84	I												
3.00	18	30	0.80	22.50	I												
3.20	21	31	0.67	31.34	I												
3.40	21	33	0.80	26.25	I												
3.60	19	31	0.80	23.75	I												
3.80	16	26	0.67	23.88	I												
4.00	12	22	0.67	17.91	I												
4.20	10	15	0.33	30.30	I												
4.40	11	16	0.33	33.33	I												
4.60	13	20	0.47	27.66	I												
4.80	16	25	0.60	26.67	I												
5.00	17	26	0.60	28.33	I												
5.20	14	24	0.67	20.90	I												
5.40	14	24	0.67	20.90	I												
5.60	14	25	0.73	19.18	I												
5.80	12	21	0.60	20.00	I												
6.00	12	20	0.53	22.64	I												
6.20	12	19	0.47	25.53	I												
6.40	10	18	0.53	18.87	I												
6.60	11	18	0.47	23.40	I												
6.80	9	16	0.47	19.15	I												
7.00	7	12	0.33	21.21	I												
7.20	9	12	0.20	45.00	I												
7.40	8	11	0.20	40.00	I												
7.60	7	11	0.27	25.93	I												
7.80	7	10	0.20	35.00	I												
8.00	8	11	0.20	40.00	I												
8.20	9	13	0.27	33.33	I												
8.40	9	14	0.33	27.27	I												
8.60	10	15	0.33	30.30	I												
8.80	12	19	0.47	25.53	I												
9.00	12	18	0.40	30.00	I												
9.20	10	17	0.47	21.28	I												
9.40	7	13	0.40	17.50	I												
9.60	9	12	0.20	45.00	I												
9.80	10	13	0.20	50.00	I												

LEGENDA : PROF. = PROFONDITA' DI INFIESSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cmq
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cmq X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cmq

LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

CPT (CONE PENETROMETER TEST)

Certif.n. 425-AA

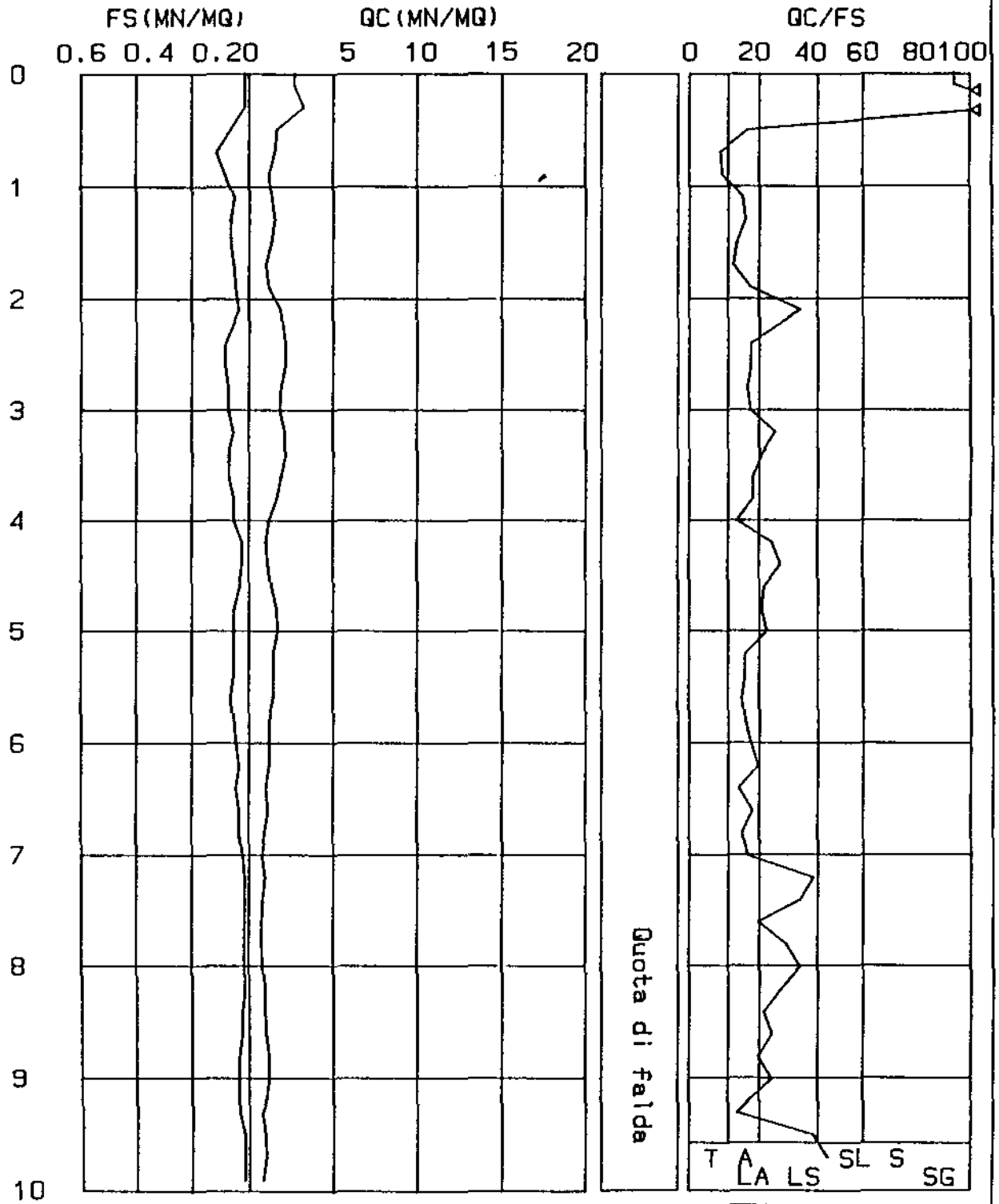
Picchetto n. A/1

del 26/06/1989

Cantiere

PROGETTO

Committente



CERTIFICATO N.RO : 426-AA

CANTIERE : PROGETTO

I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X
I	0.00	19	22	0.20	95.00	I	10.00	10	17	0.47	21.28	I					
I	0.20	19	22	0.20	95.00	I	10.20	11	19	0.53	20.75	I					
I	0.40	7	10	0.20	35.00	I	10.40	12	20	0.53	22.64	I					
I	0.60	16	26	0.67	23.88	I	10.60	14	23	0.60	23.33	I					
I	0.80	14	25	0.73	19.18	I						I					
I	1.00	15	29	0.93	16.13	I						I					
I	1.20	13	28	1.00	13.00	I						I					
I	1.40	16	25	0.60	26.67	I						I					
I	1.60	14	26	0.80	17.50	I						I					
I	1.80	17	30	0.87	19.54	I						I					
I	2.00	16	30	0.93	17.20	I						I					
I	2.20	19	34	1.00	19.00	I						I					
I	2.40	21	37	1.07	19.63	I						I					
I	2.60	21	36	1.00	21.00	I						I					
I	2.80	22	37	1.00	22.00	I						I					
I	3.00	20	34	0.93	21.51	I						I					
I	3.20	20	33	0.87	22.99	I						I					
I	3.40	20	34	0.93	21.51	I						I					
I	3.60	20	34	0.93	21.51	I						I					
I	3.80	20	31	0.73	27.40	I						I					
I	4.00	18	30	0.80	22.50	I						I					
I	4.20	16	27	0.73	21.92	I						I					
I	4.40	15	22	0.47	31.91	I						I					
I	4.60	13	23	0.67	19.40	I						I					
I	4.80	14	21	0.47	29.79	I						I					
I	5.00	17	24	0.47	36.17	I						I					
I	5.20	14	25	0.73	19.18	I						I					
I	5.40	14	25	0.73	19.18	I						I					
I	5.60	12	23	0.73	16.44	I						I					
I	5.80	14	24	0.67	20.90	I						I					
I	6.00	12	23	0.73	16.44	I						I					
I	6.20	11	21	0.67	16.42	I						I					
I	6.40	8	16	0.53	15.09	I						I					
I	6.60	8	15	0.47	17.02	I						I					
I	6.80	11	17	0.40	27.50	I						I					
I	7.00	10	18	0.53	18.87	I						I					
I	7.20	7	14	0.47	14.89	I						I					
I	7.40	6	11	0.33	18.18	I						I					
I	7.60	5	9	0.27	18.52	I						I					
I	7.80	6	10	0.27	22.22	I						I					
I	8.00	7	12	0.33	21.21	I						I					
I	8.20	9	14	0.33	27.27	I						I					
I	8.40	8	14	0.40	20.00	I						I					
I	8.60	9	16	0.47	19.15	I						I					
I	8.80	10	17	0.47	21.28	I						I					
I	9.00	11	19	0.53	20.75	I						I					
I	9.20	11	18	0.47	23.40	I						I					
I	9.40	10	17	0.47	21.28	I						I					
I	9.60	10	18	0.53	18.87	I						I					
I	9.80	11	19	0.53	20.75	I						I					

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CN. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cmq
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cmq X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cmq

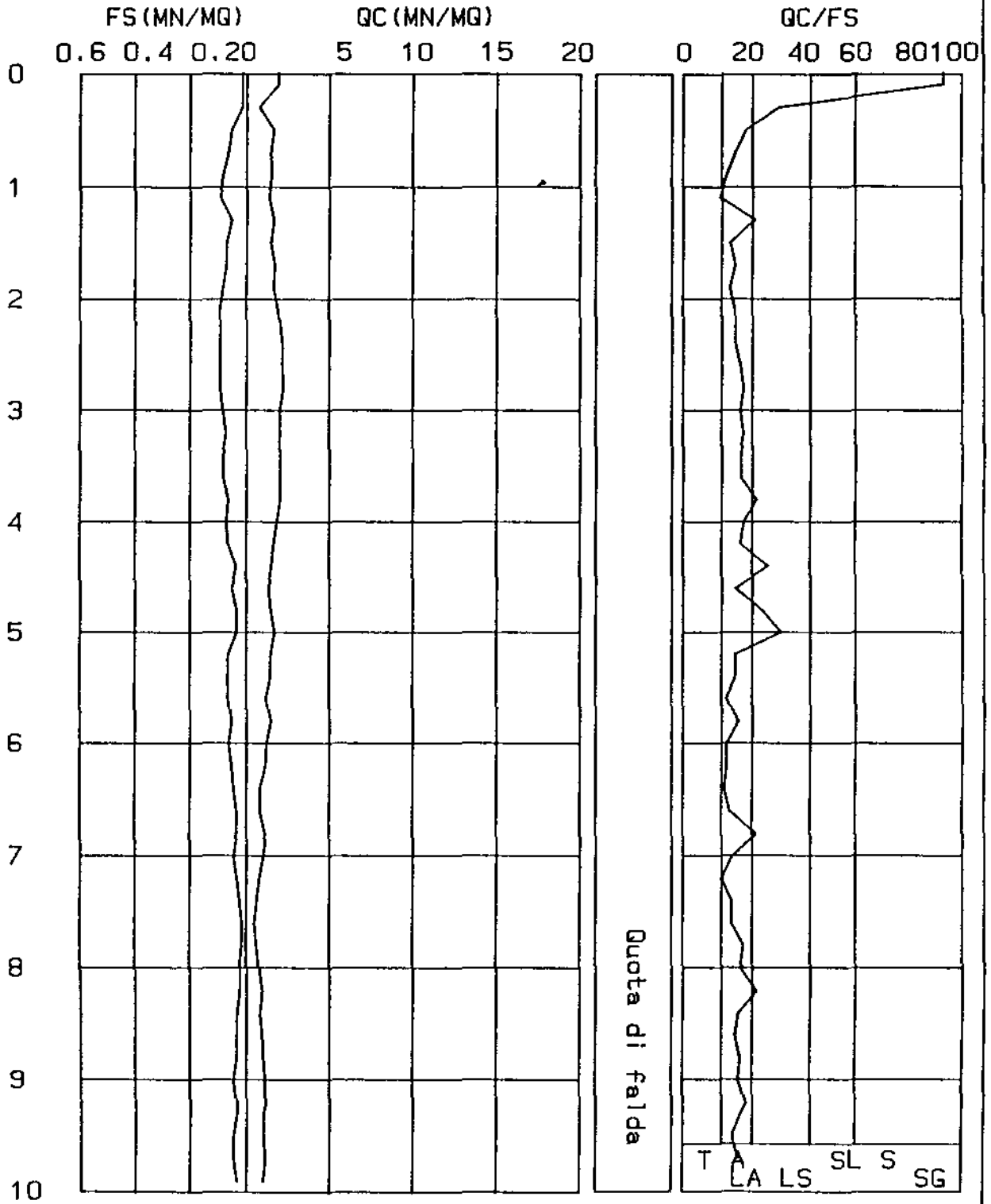
LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=FERRENO AGRICOLO

CPT (CONE PENETROMETER TEST)

Certif.n. 426-AA
del 26/06/1989

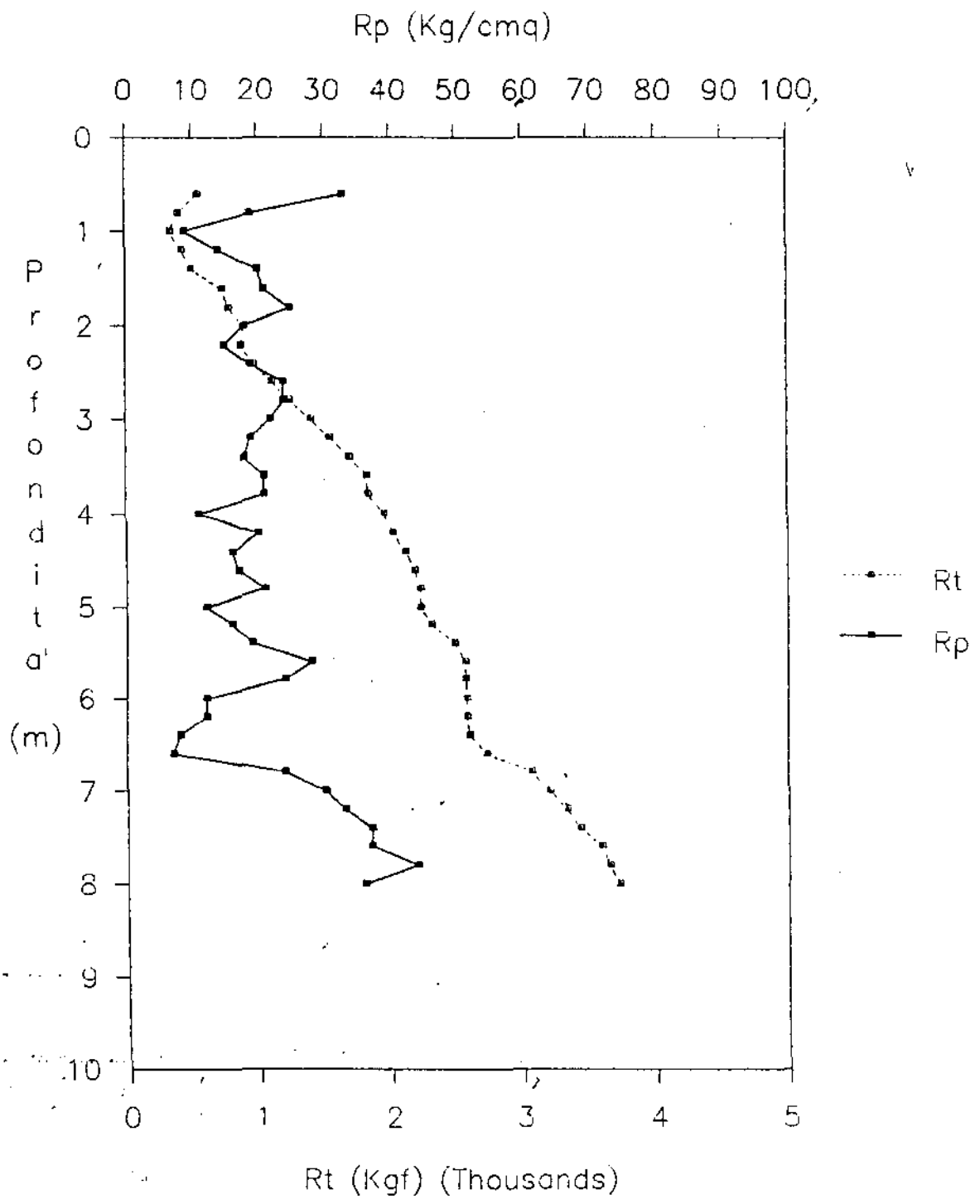
Picchetto n. A/2

Cantiere
PROGETTO
Committente



Quota di falda

T CA LS SL S SG



Penetrometria n 1

PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 114-AA						CANTIERE : COSTRUZIONE DI CAPANNONE AD USO COMMERCIALE											
PROF.	QC	RL	FS	X		PROF.	QC	RL	FS	X		PROF.	QC	RL	FS	X	
0.00	1	1	0.00	0.00	1												
0.20	76	84	0.53	143.40	1												
0.40	122	141	1.27	96.06	1												
0.60	64	70	0.40	160.00	1												
0.80	26	37	0.73	35.62	1												
1.00	14	32	1.20	11.67	1												
1.20	24	32	0.53	45.28	1												
1.40	19	25	0.40	47.50	1												
1.60	9	16	0.47	19.15	1												
1.80	9	15	0.40	22.50	1												
2.00	14	20	0.40	35.00	1												
2.20	20	30	0.67	29.85	1												
2.40	20	36	1.07	18.69	1												
2.60	21	35	0.93	22.58	1												
2.80	21	36	1.00	21.00	1												
3.00	23	31	0.53	43.40	1												
3.20	29	41	0.80	36.25	1												
3.40	30	45	1.00	30.00	1												
3.60	24	39	1.00	24.00	1												
3.80	23	35	0.80	28.75	1												
4.00	20	29	0.60	33.33	1												
4.20	22	32	0.67	32.84	1												
4.40	22	35	0.87	25.29	1												
4.60	28	44	1.07	26.17	1												
4.80	27	51	1.60	16.87	1												
5.00	27	48	1.40	19.29	1												
5.20	31	46	1.00	31.00	1												
5.40	32	48	1.07	29.91	1												
5.60	36	44	1.20	21.67	1												
5.80	23	35	0.80	28.75	1												
6.00	22	32	0.67	32.84	1												
6.20	20	30	0.67	29.85	1												
6.40	17	25	0.53	32.08	1												
6.60	18	29	0.73	24.66	1												
6.80	15	23	0.53	28.30	1												
7.00	13	23	0.67	19.40	1												

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOITO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : T=TORRE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

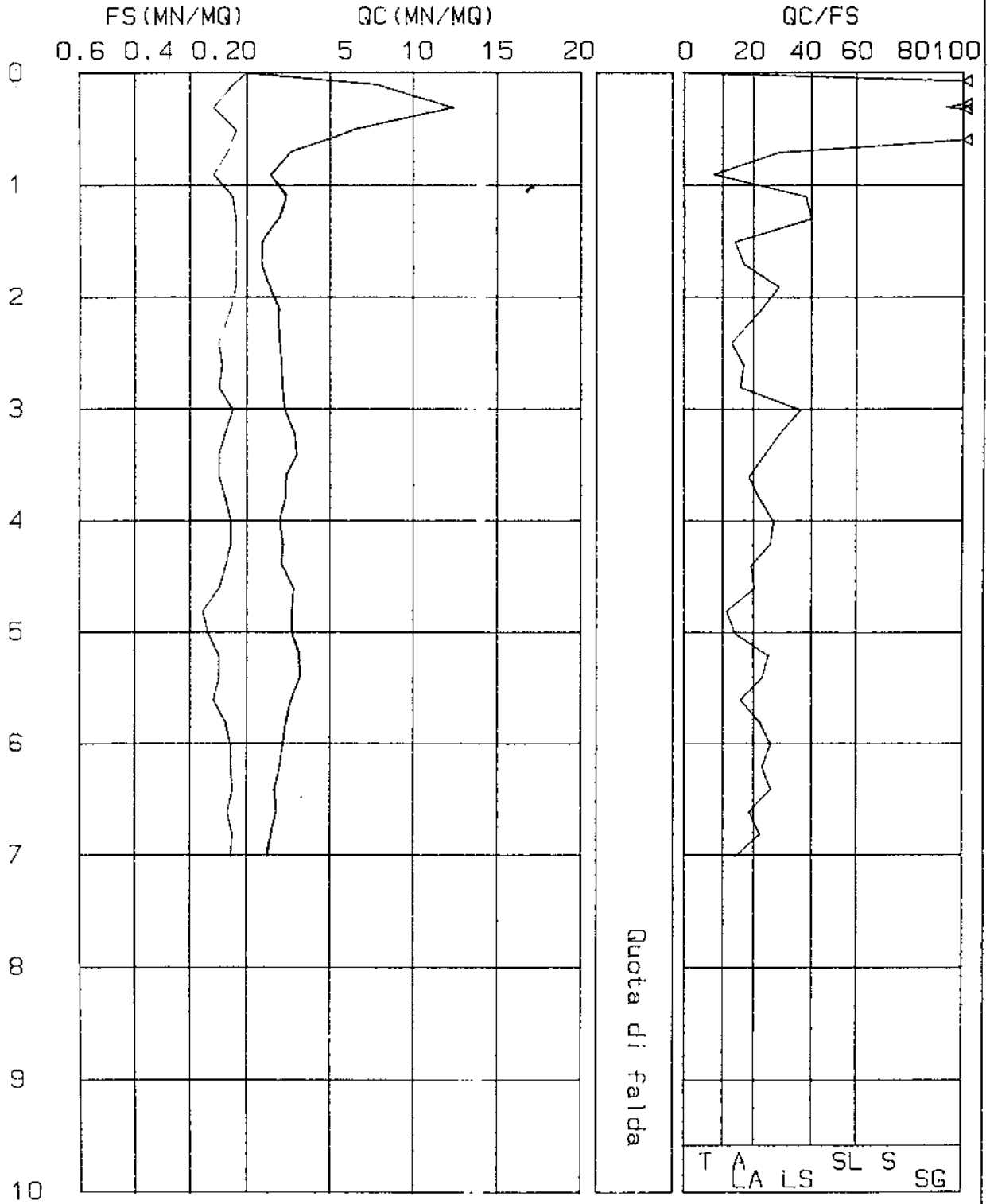
CPT (CONE PENETROMETER TEST)

Certif.n. 114-AA
del 06/11/1992

Picchetto n. P/1

Cantiere
COSTRUZIONE DI CAPANNONE AD USO COMMERCIALE
Committente

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PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 116-AA						CANTIERE : COSTRUZIONE DI CAPANNONE AD USO COMMERCIALE						15						
I	PROF.	QC	RL	FS	X	I	PROF.	QC	ML	FS	X	I	PROF.	QC	RL	FS	X	I
I	0.00	1	1	0.00	0.00	I						I						I
I	0.20	84	92	0.53	158.49	I						I						I
I	0.40	172	183	0.73	235.62	I						I						I
I	0.60	61	84	1.53	39.87	I						I						I
I	0.80	32	46	0.93	34.41	I						I						I
I	1.00	27	43	1.07	25.23	I						I						I
I	1.20	16	26	0.67	23.88	I						I						I
I	1.40	10	22	0.80	12.50	I						I						I
I	1.60	7	12	0.33	21.21	I						I						I
I	1.80	8	16	0.53	15.09	I						I						I
I	2.00	9	18	0.60	15.00	I						I						I
I	2.20	14	23	0.60	23.33	I						I						I
I	2.40	14	24	0.67	20.90	I						I						I
I	2.60	20	29	0.60	33.33	I						I						I
I	2.80	21	32	0.73	28.77	I						I						I
I	3.00	23	38	1.00	23.00	I						I						I
I	3.20	21	33	0.80	26.25	I						I						I
I	3.40	24	35	0.73	32.88	I						I						I
I	3.60	26	41	1.00	26.00	I						I						I
I	3.80	31	52	1.40	22.14	I						I						I
I	4.00	23	36	0.87	26.44	I						I						I
I	4.20	22	39	1.13	19.47	I						I						I
I	4.40	20	34	0.93	21.51	I						I						I
I	4.60	19	31	0.80	23.75	I						I						I
I	4.80	18	29	0.73	24.66	I						I						I
I	5.00	19	27	0.53	35.85	I						I						I
I	5.20	19	24	0.53	57.58	I						I						I
I	5.40	22	37	1.00	22.00	I						I						I
I	5.60	24	42	1.20	20.00	I						I						I
I	5.80	31	46	1.00	31.00	I						I						I
I	6.00	32	51	1.27	25.20	I						I						I
I	6.20	29	44	1.00	29.00	I						I						I
I	6.40	23	39	1.07	21.50	I						I						I
I	6.60	19	27	0.53	35.85	I						I						I
I	6.80	20	29	0.60	33.33	I						I						I
I	7.00	19	30	0.73	26.03	I						I						I
I	7.20	20	33	0.87	22.99	I						I						I
I	7.40	23	40	1.13	20.35	I						I						I
I	7.60	20	33	0.87	22.99	I						I						I
I	7.80	17	26	0.60	28.33	I						I						I
I	8.00	19	28	0.60	31.67	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CH. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cmq
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cmq X = RAPPORTO QC/FS t
 RL = RESISTENZA LATERALE TOTALE dN/cmq

LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

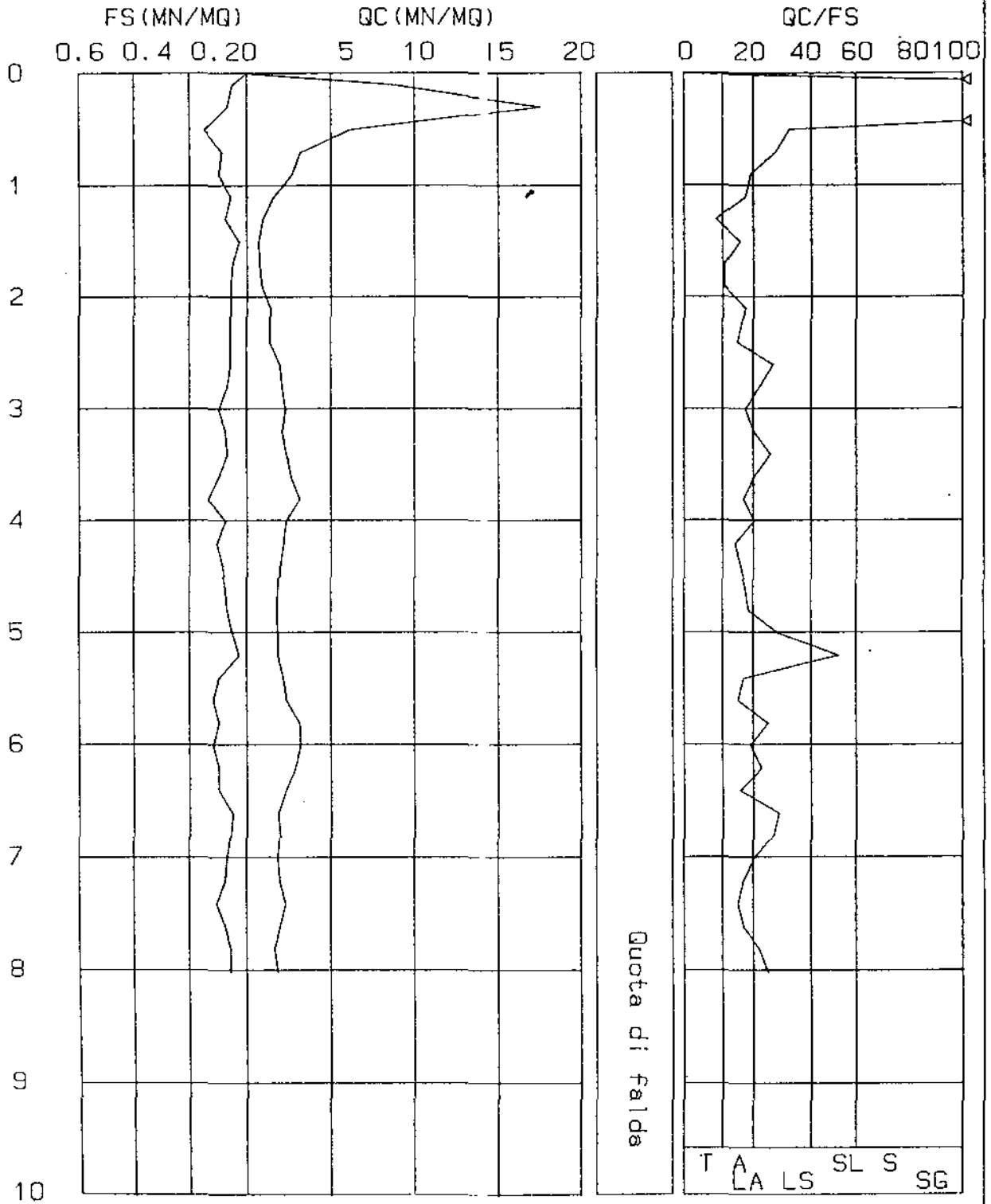
CPT (CONE PENETROMETER TEST)

Certif.n. 116-AA
del 06/11/1992

Picchetto n. P/3

Cantiere
COSTRUZIONE DI CAPANNONE AD USO COMMERCIALE
Committente

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Quota di falda

T A LA LS SL S SG

CPT (CONE PENETROMETER TEST)

Certif.n. 115-AA
del 06/11/1992

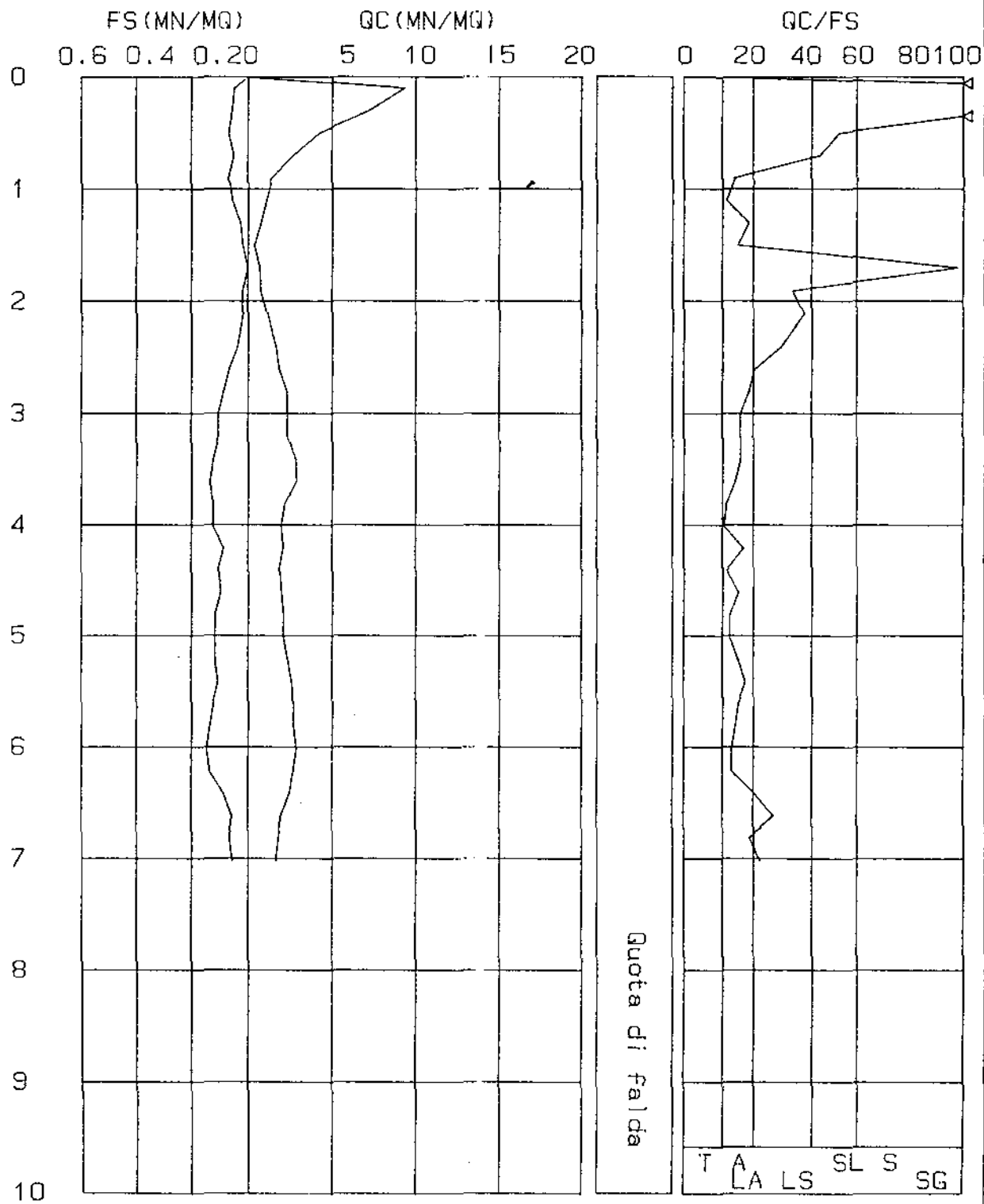
Picchetto n. P/2

Cantiere

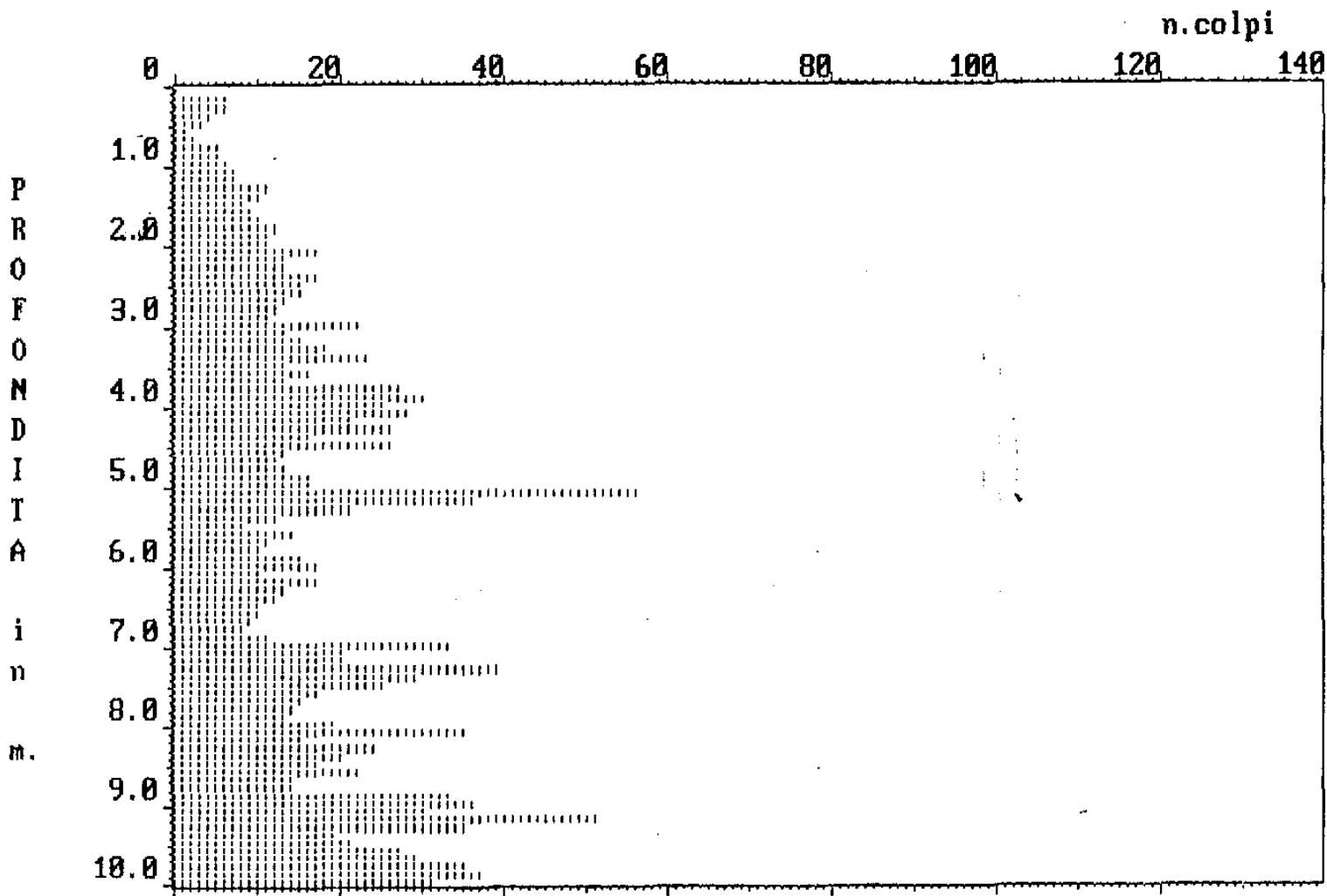
COSTRUZIONE DI CAPANNONE AD USO COMMERCIALE

Committente

21



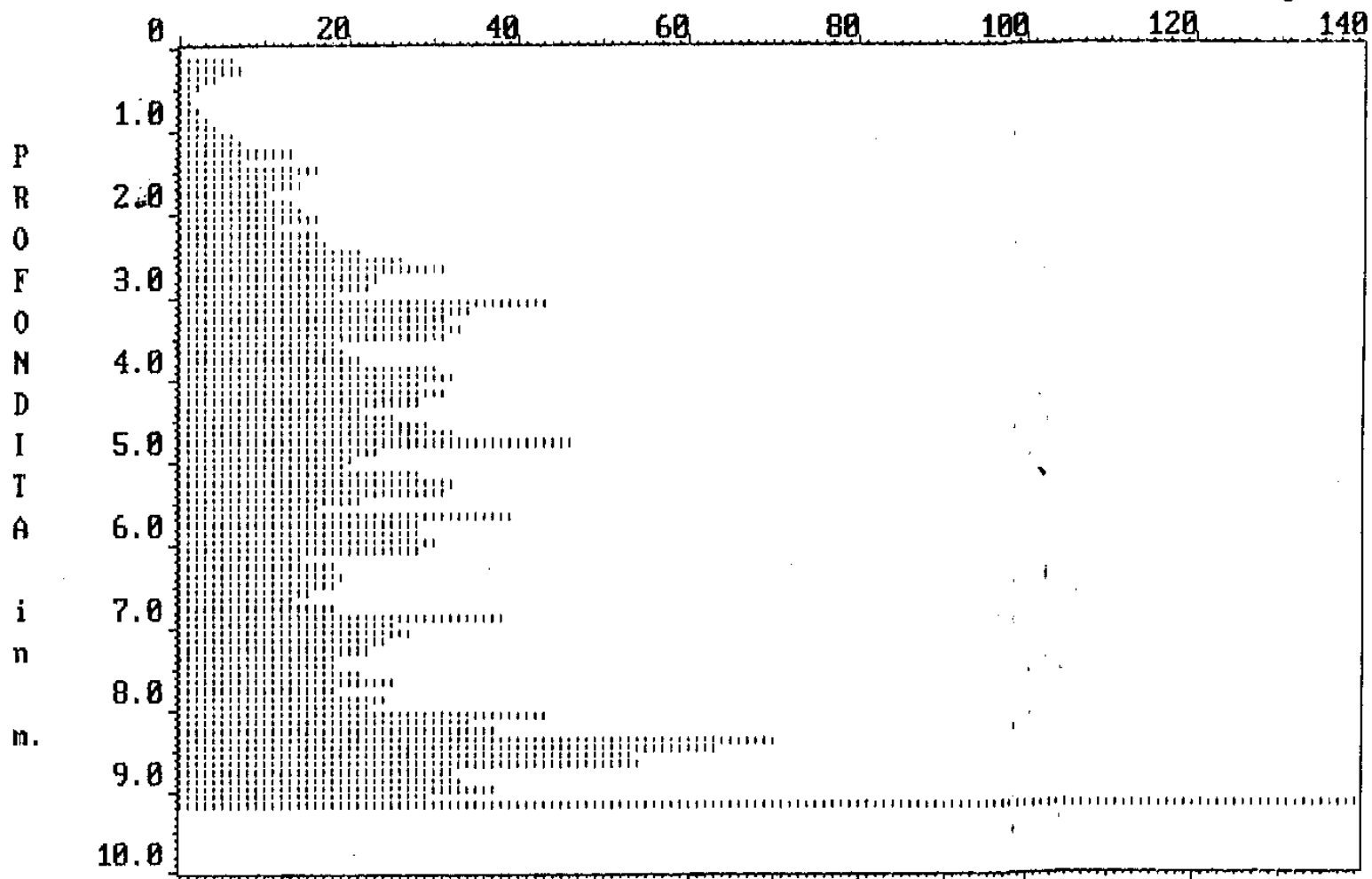
PROVA PENETROMETRICA [S.C.P.T.] N. 1



Resistenza : punta (| 1 colpo/10 cm.) rivestimento (—)

PROVA PENETROMETRICA [S.C.P.T.] N. 2

n.colpi



Resistenza : punta (| 1 colpo/10 cm.) rivestimento (—)

CERTIFICATO N.RO : 27-MA

CANTIERE

COSTRUZIONE FABBRICATO DI CIVILE ABBITAZIONE

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PROF.	QC	RL	FS	A	PROF.	QC	RL	FS	A	PROF.	QC	RL	FS	A
0.00	2	4	0.13	15.38										
0.20	2	4	0.13	15.38										
0.40	3	5	0.13	23.08										
0.60	14	19	0.33	42.42										
0.80	7	17	0.33	16.98										
1.00	6	12	0.40	15.00										
1.20	7	10	0.20	33.00										
1.40	10	14	0.27	37.04										
1.60	9	14	0.33	27.27										
1.80	7	14	0.33	27.27										
2.00	9	16	0.47	19.15										
2.20	11	16	0.47	23.40										
2.40	14	22	0.33	26.42										
2.60	16	27	0.60	30.00										
2.80	16	33	1.00	16.00										
3.00	16	31	0.87	20.69										
3.20	19	32	0.67	21.64										
3.40	16	32	0.93	17.35										
3.60	17	29	0.60	21.25										
3.80	16	29	0.87	16.39										
4.00	17	30	0.87	19.34										
4.20	14	26	0.60	17.50										
4.40	16	21	0.33	46.46										
4.60	18	23	0.33	34.55										
4.80	11	18	0.47	23.40										
5.00	5	7	0.13	36.46										
5.20	13	16	0.20	63.00										
5.40	11	14	0.20	55.00										
5.60	12	17	0.33	36.36										
5.80	9	14	0.33	27.27										
6.00	10	14	0.27	37.04										
6.20	8	13	0.33	24.24										
6.40	9	13	0.40	22.50										
6.60	10	16	0.40	25.00										
6.80	9	16	0.60	15.00										
7.00	7	14	0.47	14.67										
7.20	5	11	0.40	12.50										
7.40	5	10	0.33	15.15										
7.60	6	9	0.20	36.00										
7.80	6	8	0.13	46.15										
8.00	6	10	0.13	61.34										
8.20	6	10	0.27	22.22										
8.40	5	7	0.27	16.52										
8.60	7	12	0.20	45.00										
8.80	6	10	0.27	22.22										
9.00	6	10	0.27	22.22										
9.20	6	10	0.27	22.22										
9.40	7	11	0.27	25.93										
9.60	7	11	0.27	25.93										

LEGENDA : PROF. = PROFONDITA' DI INSERIMENTO CH. FS = RESISTENZA SPECIFICA AL FATICAMENTO DN/CMO
 QC = RESISTENZA SPECIFICA ALLA PUNTA DN/CMO X = RAPPORTO QC/FS
 RL = RESISTENZA LATERALE TOTALE DN/CMO

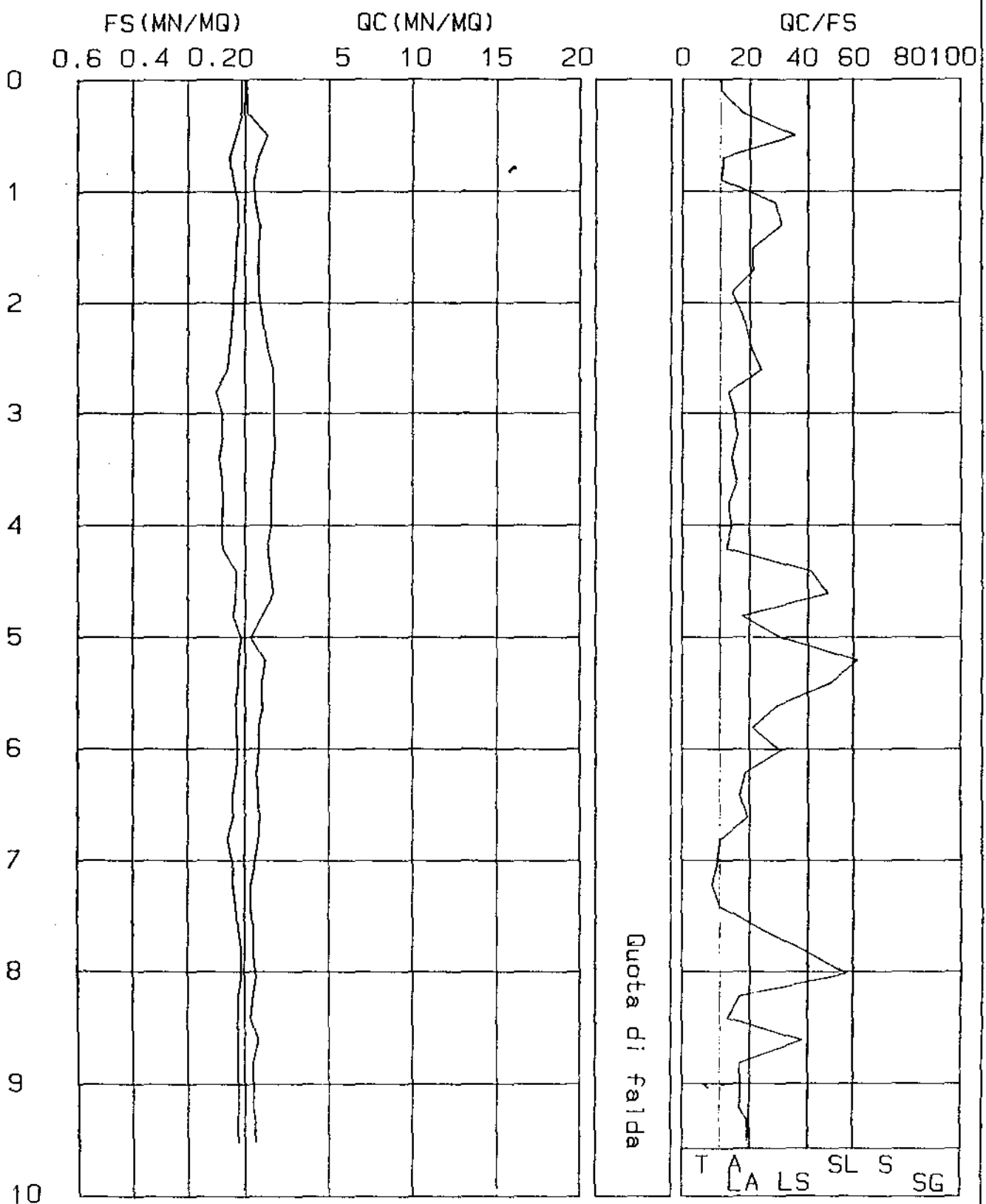
TOLLITA : T-TORBE A-ARGILLE LA-LIMI ARGILLOSI LS-LIMI SABBIOSI SL-SABBIE LIMOSE
 S-SABBIE SO-SABBIE E GHIAIA NG-TERRENO AGRICOLO

CPT (CONE PENETROMETER TEST)

Certif.n. 27-AA
del

Picchetto n. P/1

Cantiere
COSTRUZIONE FARRRICATO DI CIVILE ABITAZIONE
Committente



PROF.	QC	RL	FS	X	i	PROF.	QC	RL	FS	X	i	PROF.	QC	RL	FS	X
i	0.00	5	5	0.13	23.08	i						i				
i	0.20	3	5	0.13	23.08	i						i				
i	0.40	9	11	0.13	69.23	i						i				
i	0.60	12	17	0.33	36.36	i						i				
i	0.80	7	9	0.13	53.85	i						i				
i	1.00	21	25	0.27	77.78	i						i				
i	1.20	8	12	0.27	29.63	i						i				
i	1.40	7	10	0.20	35.00	i						i				
i	1.60	8	11	0.20	40.00	i						i				
i	1.80	8	11	0.20	40.00	i						i				
i	2.00	9	11	0.13	69.23	i						i				
i	2.20	12	17	0.33	36.36	i						i				
i	2.40	12	17	0.33	36.36	i						i				
i	2.60	14	24	0.67	20.90	i						i				
i	2.80	14	22	0.53	26.42	i						i				
i	3.00	15	25	0.67	22.39	i						i				
i	3.20	14	25	0.73	17.16	i						i				
i	3.40	12	19	0.47	25.53	i						i				
i	3.60	13	22	0.60	21.67	i						i				
i	3.80	13	22	0.60	21.67	i						i				
i	4.00	13	23	0.67	19.40	i						i				
i	4.20	13	17	0.27	48.15	i						i				
i	4.40	23	29	0.40	57.50	i						i				
i	4.60	34	45	0.73	46.58	i						i				
i	4.80	29	45	1.07	27.10	i						i				
i	5.00	23	36	0.87	26.44	i						i				
i	5.20	23	31	0.53	43.40	i						i				
i	5.40	12	15	0.20	60.00	i						i				
i	5.60	15	16	0.20	75.00	i						i				
i	5.80	12	17	0.33	36.36	i						i				
i	6.00	10	14	0.27	37.04	i						i				
i	6.20	10	13	0.20	50.00	i						i				
i	6.40	8	11	0.20	40.00	i						i				
i	6.60	10	15	0.33	30.30	i						i				
i	6.80	9	14	0.33	27.27	i						i				
i	7.00	8	12	0.27	29.63	i						i				
i	7.20	6	8	0.13	46.15	i						i				
i	7.40	7	9	0.13	53.85	i						i				
i	7.60	6	8	0.13	46.15	i						i				
i	7.80	6	7	0.07	85.71	i						i				
i	8.00	6	7	0.07	85.71	i						i				
i	8.20	6	8	0.13	46.15	i						i				
i	8.40	6	7	0.07	85.71	i						i				
i	8.60	6	8	0.13	46.15	i						i				
i	8.80	6	8	0.13	46.15	i						i				
i	9.00	6	7	0.07	85.71	i						i				
i	9.20	7	9	0.13	53.85	i						i				
i	9.40	9	11	0.13	69.23	i						i				
i	9.60	9	11	0.13	69.23	i						i				

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LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO DN/CMQ
 QC = RESISTENZA SPECIFICA ALLA PUNTA DN/CMQ X = RAPPORTO QC/FS
 RL = RESISTENZA LATERALE TOTALE DN/CMQ

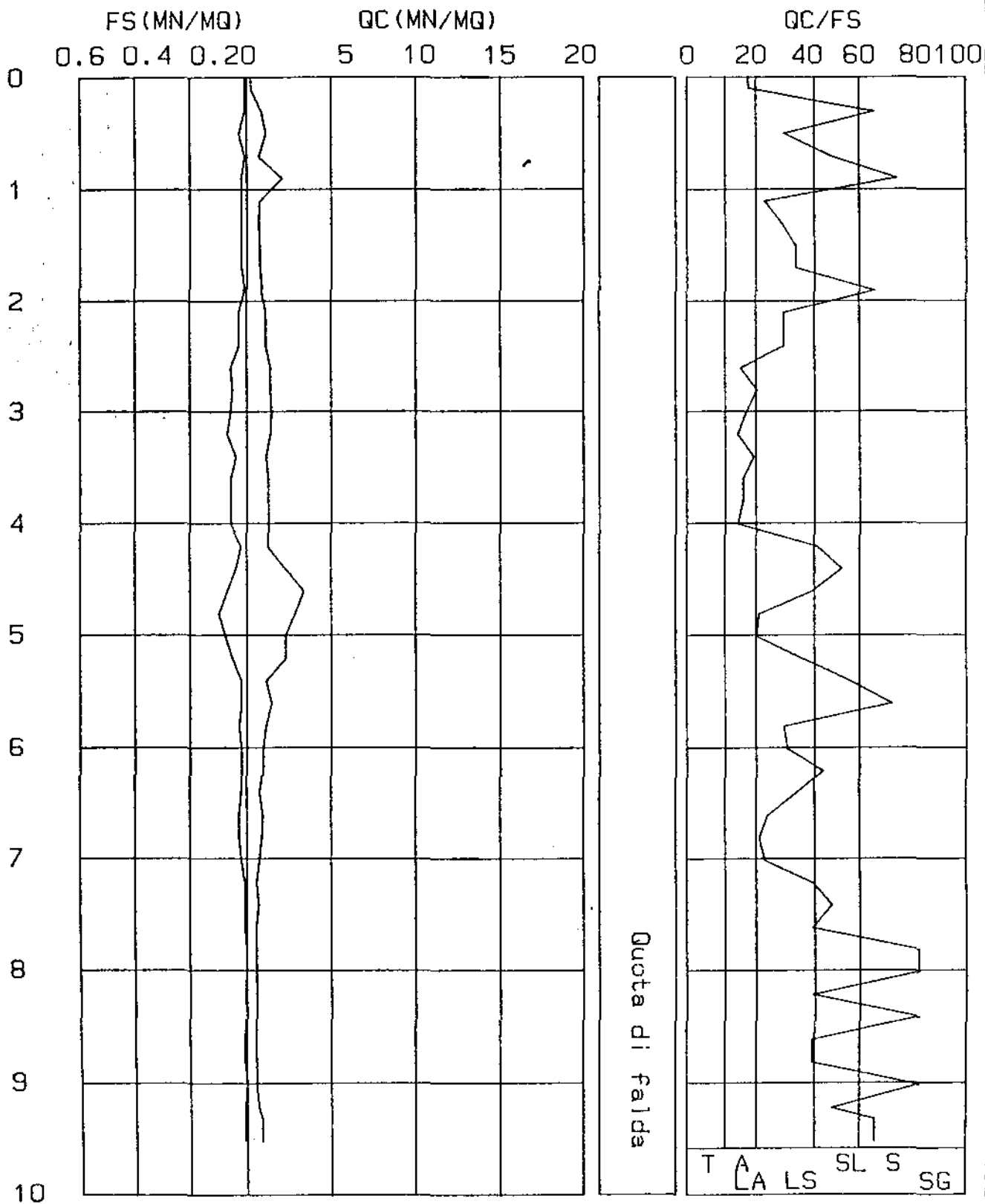
LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

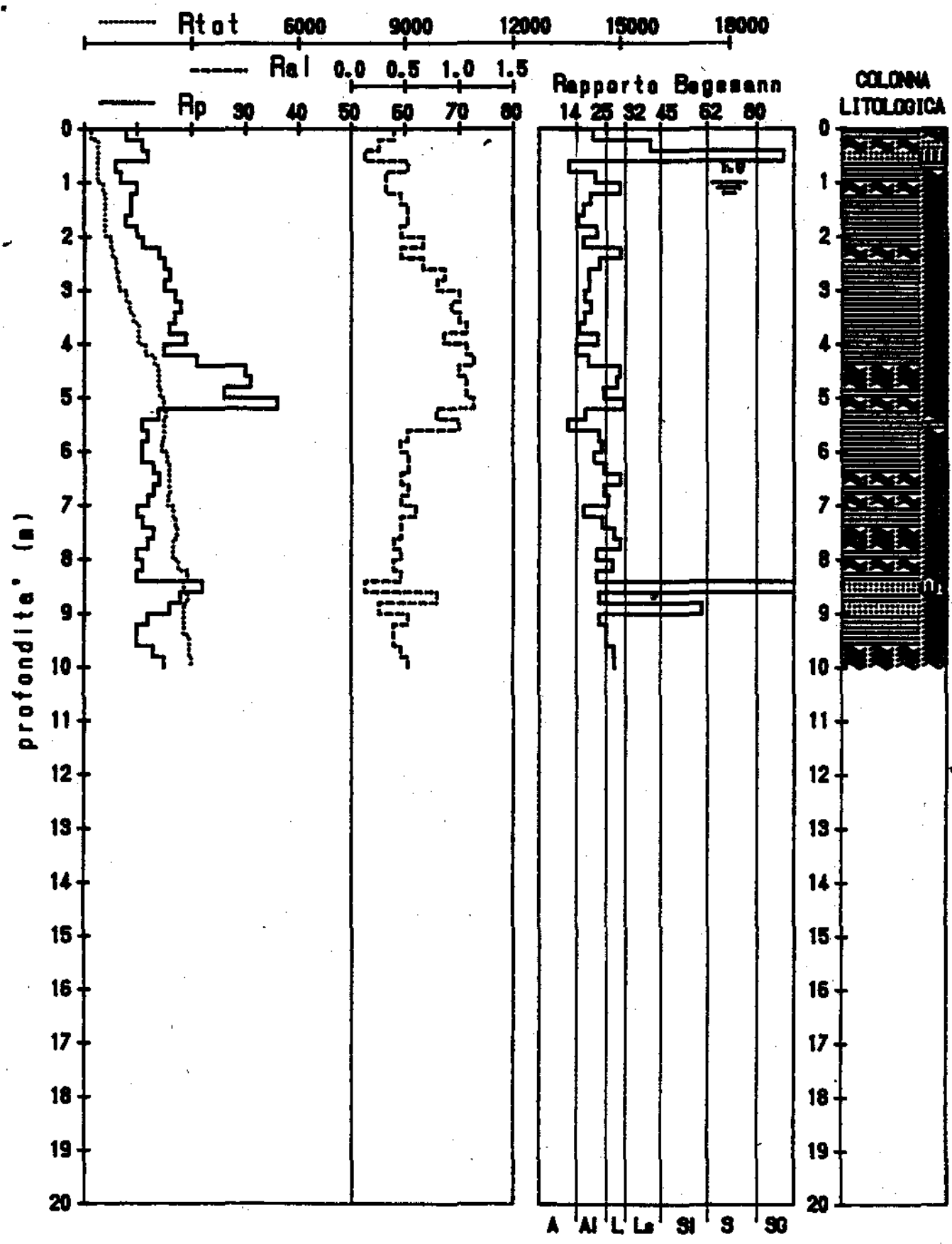
CPT (CONE PENETROMETER TEST)

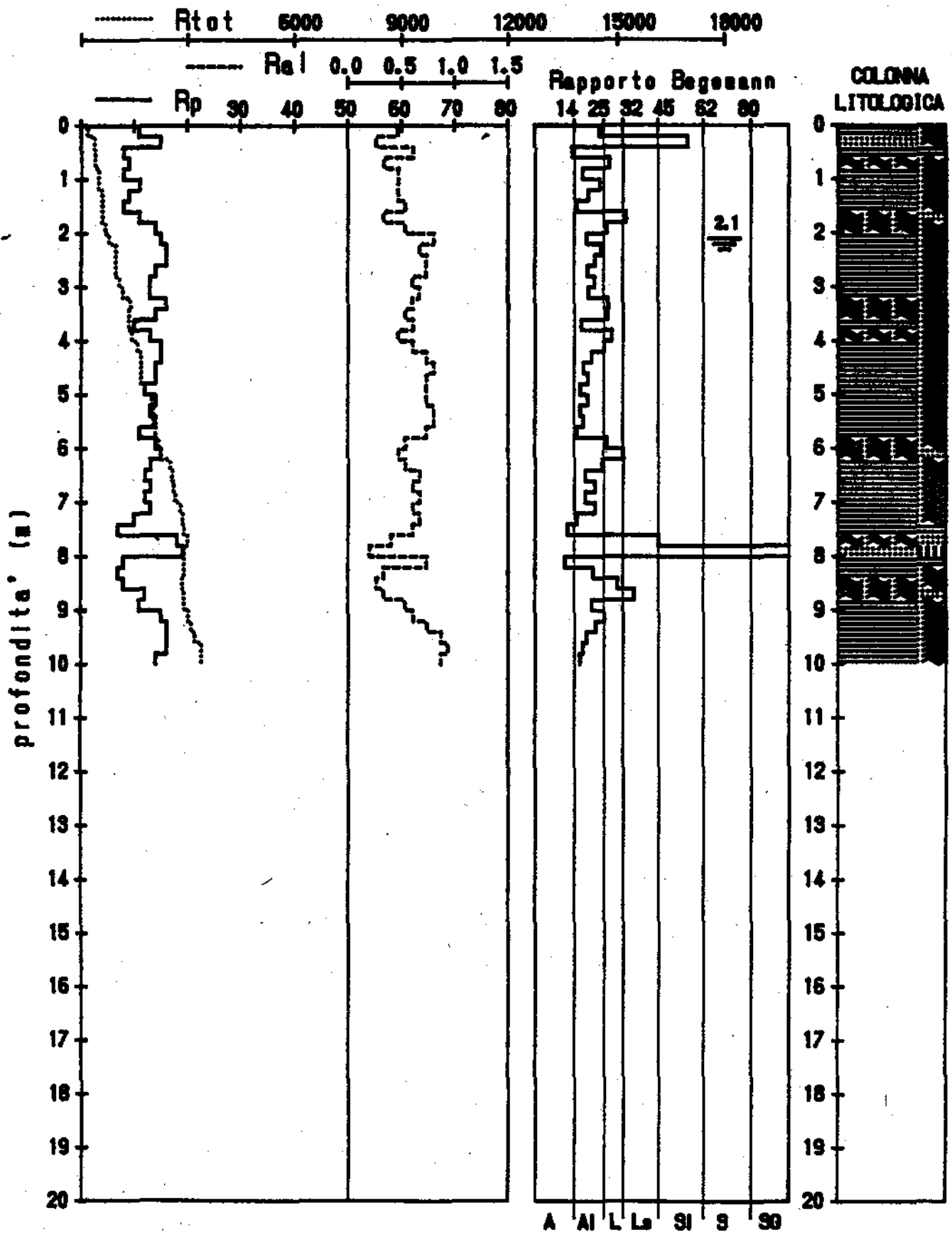
Certif.n. 34-AA
del

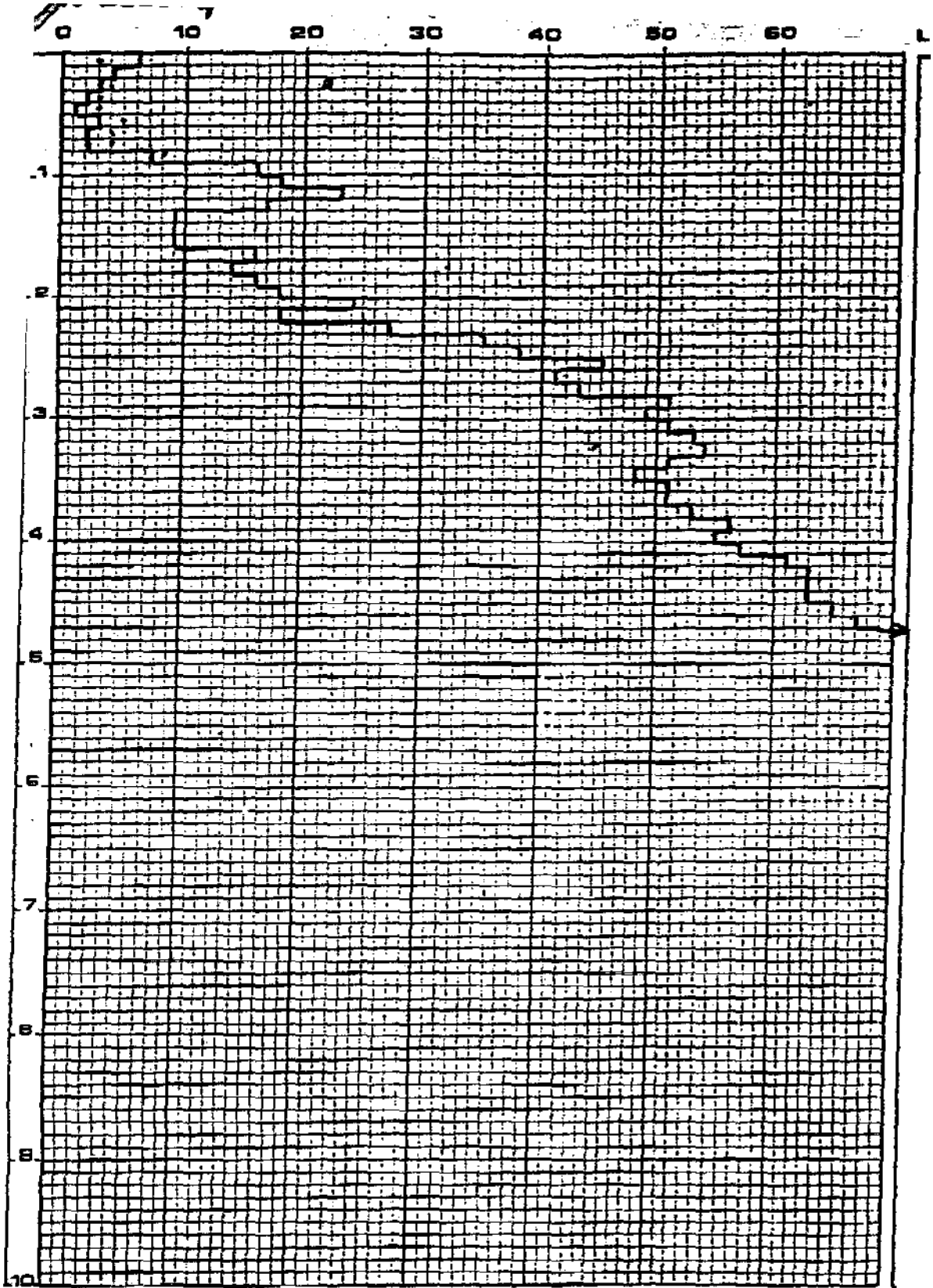
Picchetto n. P/2

Cantiere
COSTRUZIONE FABBRICATO DI CIVILE ABITAZIONE
Committente







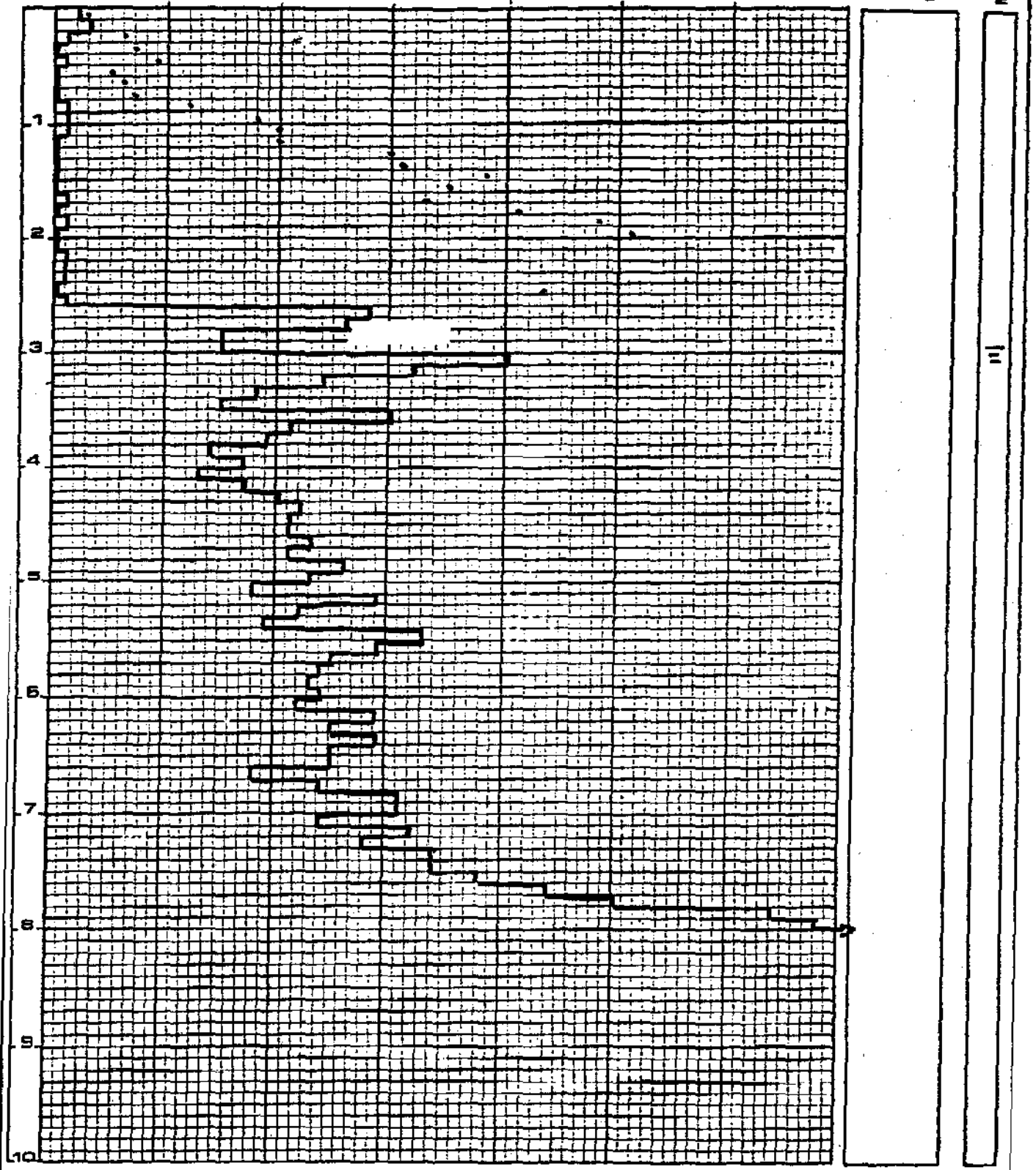


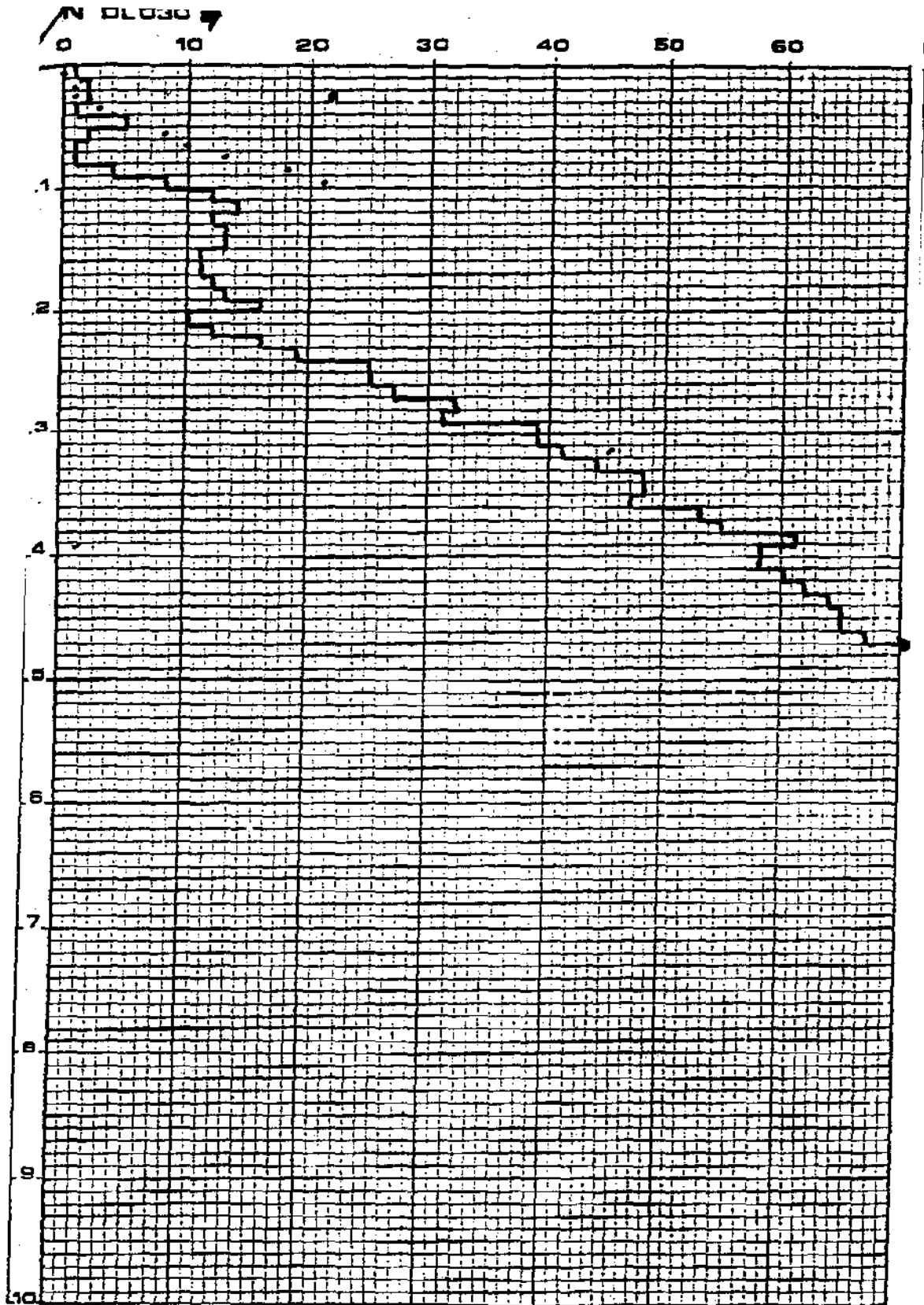
DYNAMIC-PENETROMETER TEST

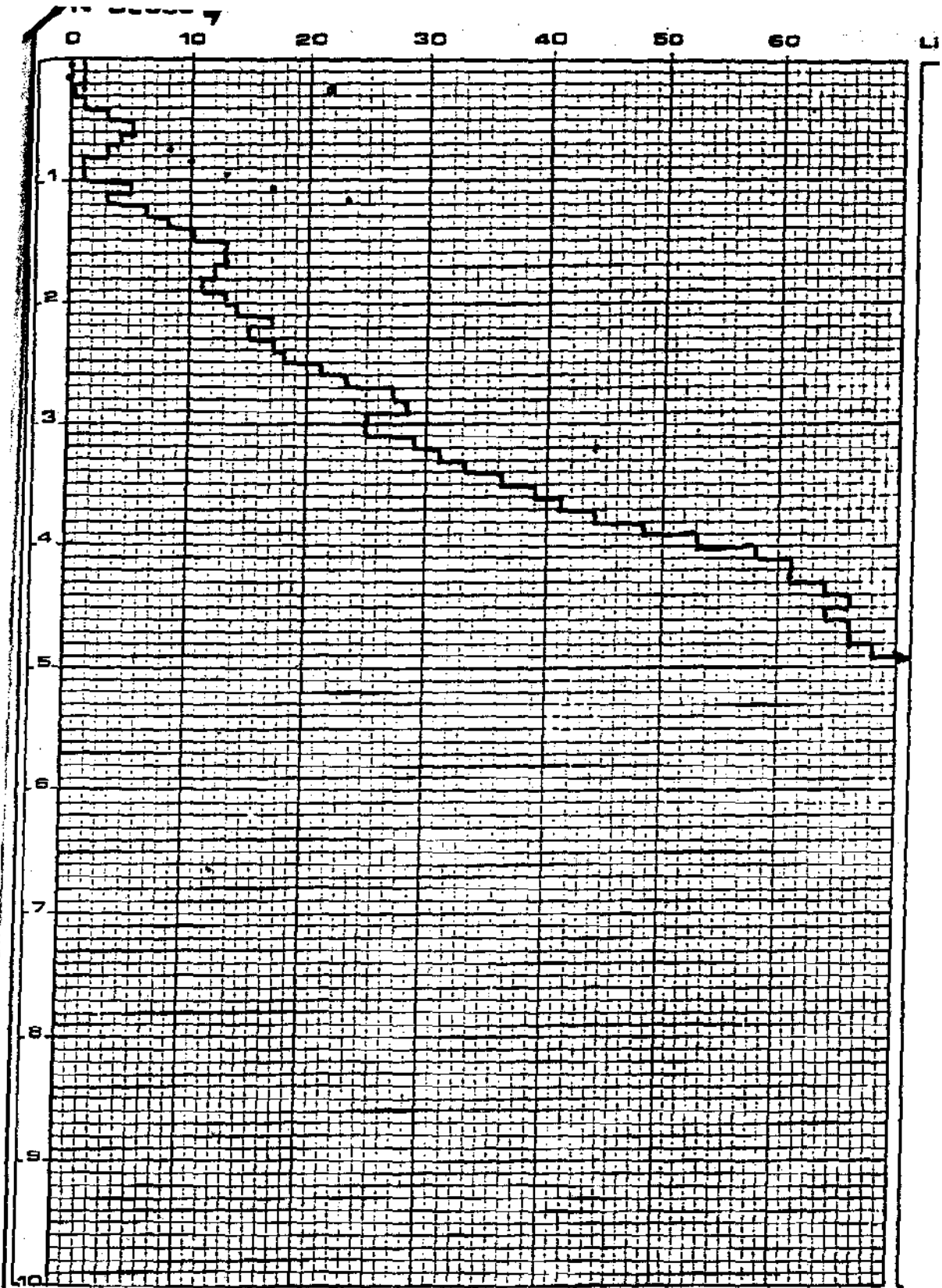
N DL030

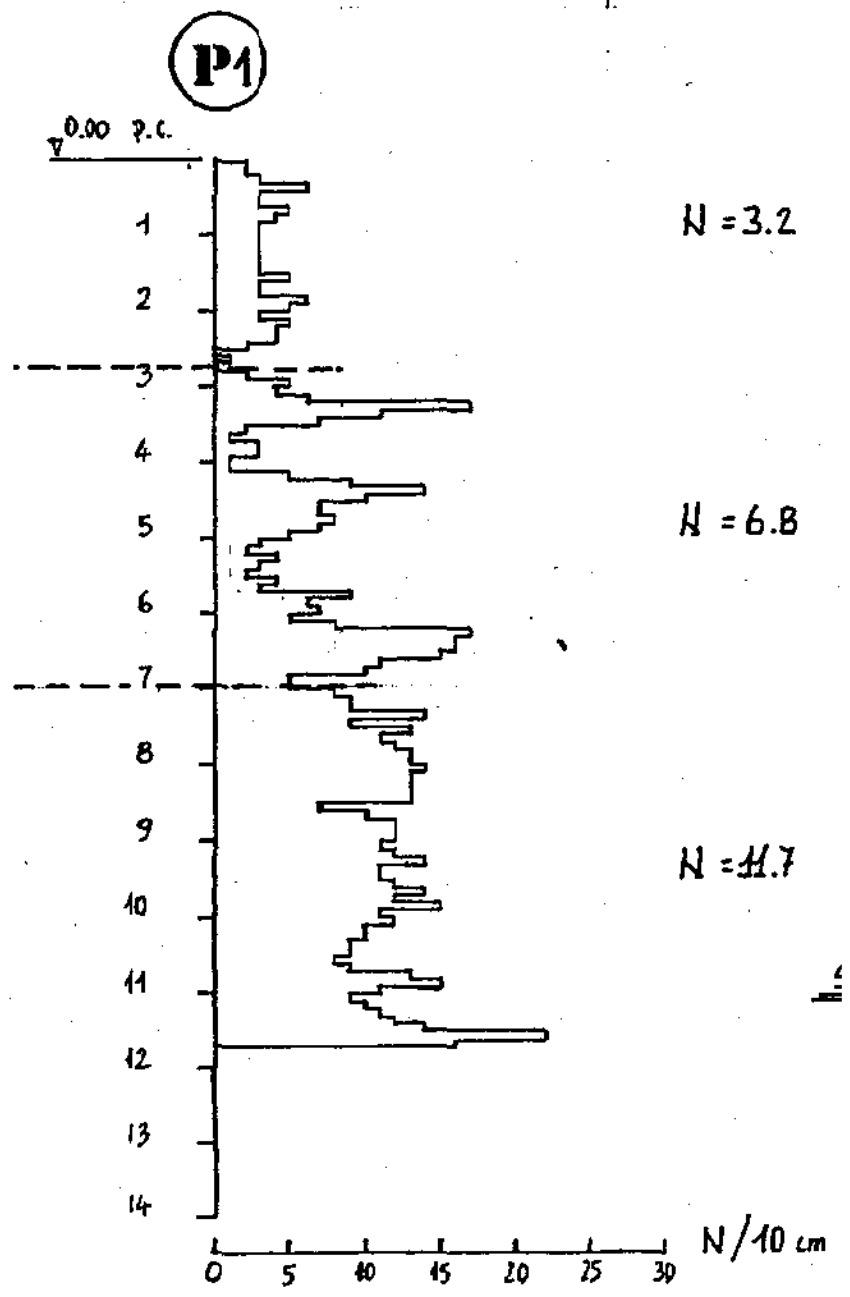
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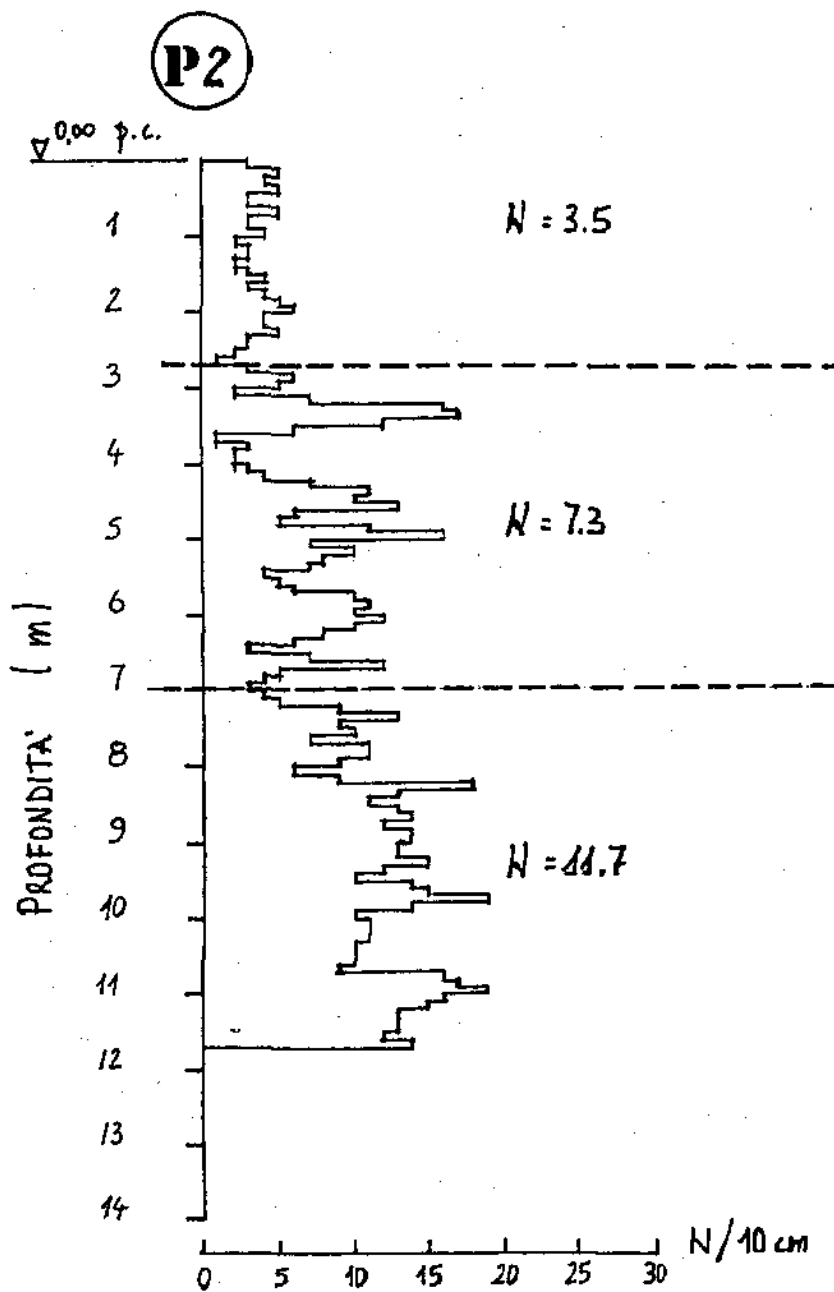
Litologia H₂O

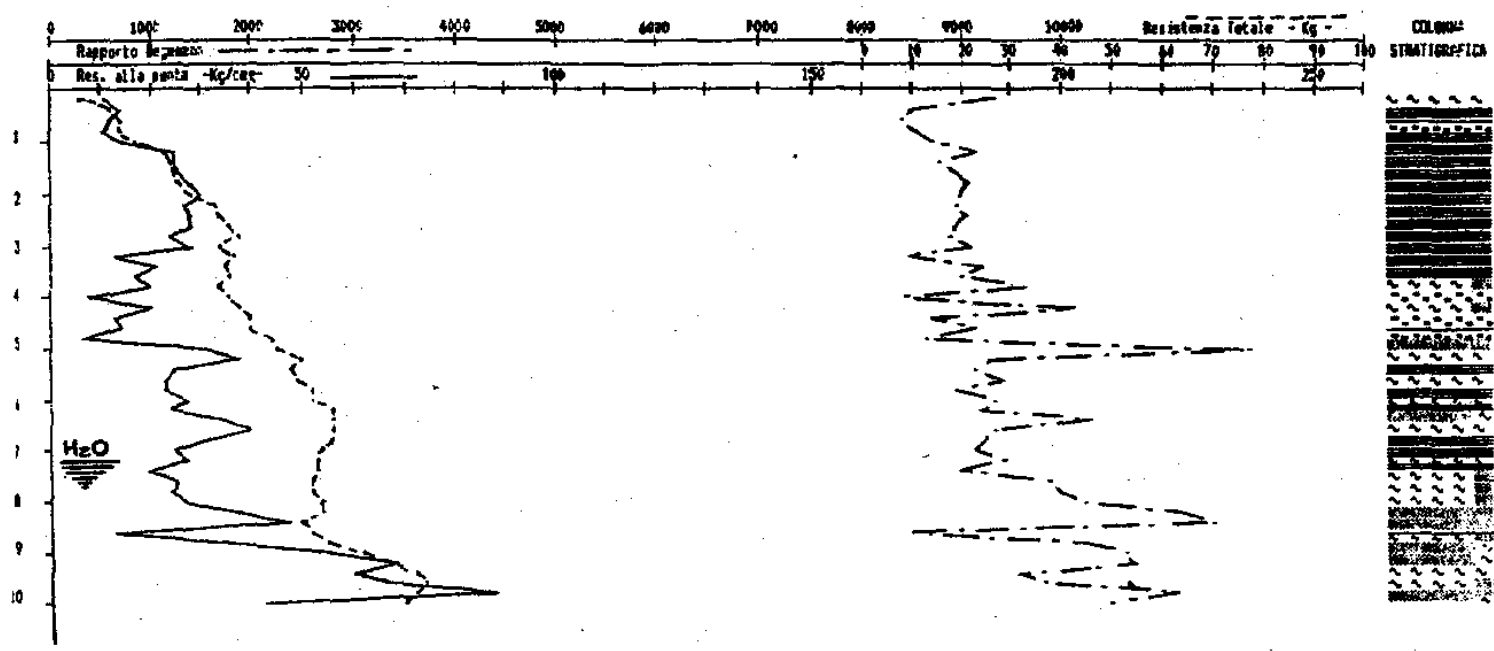


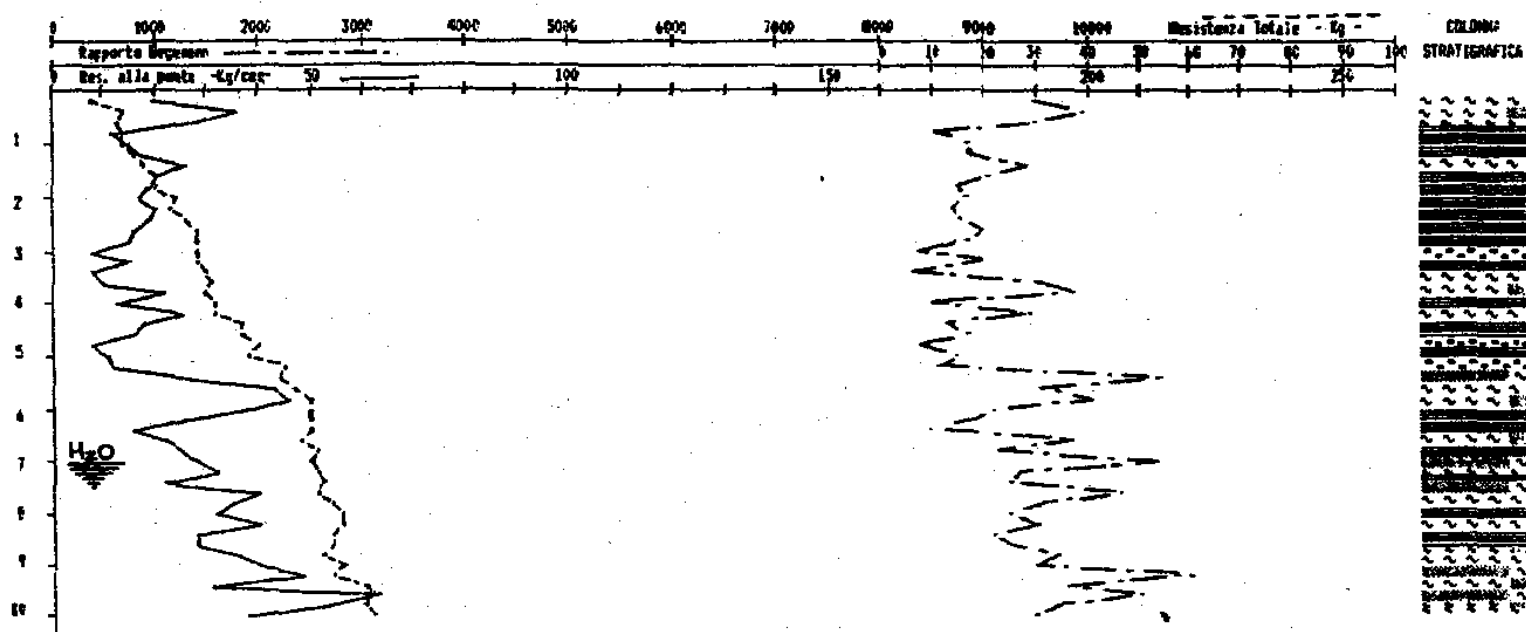


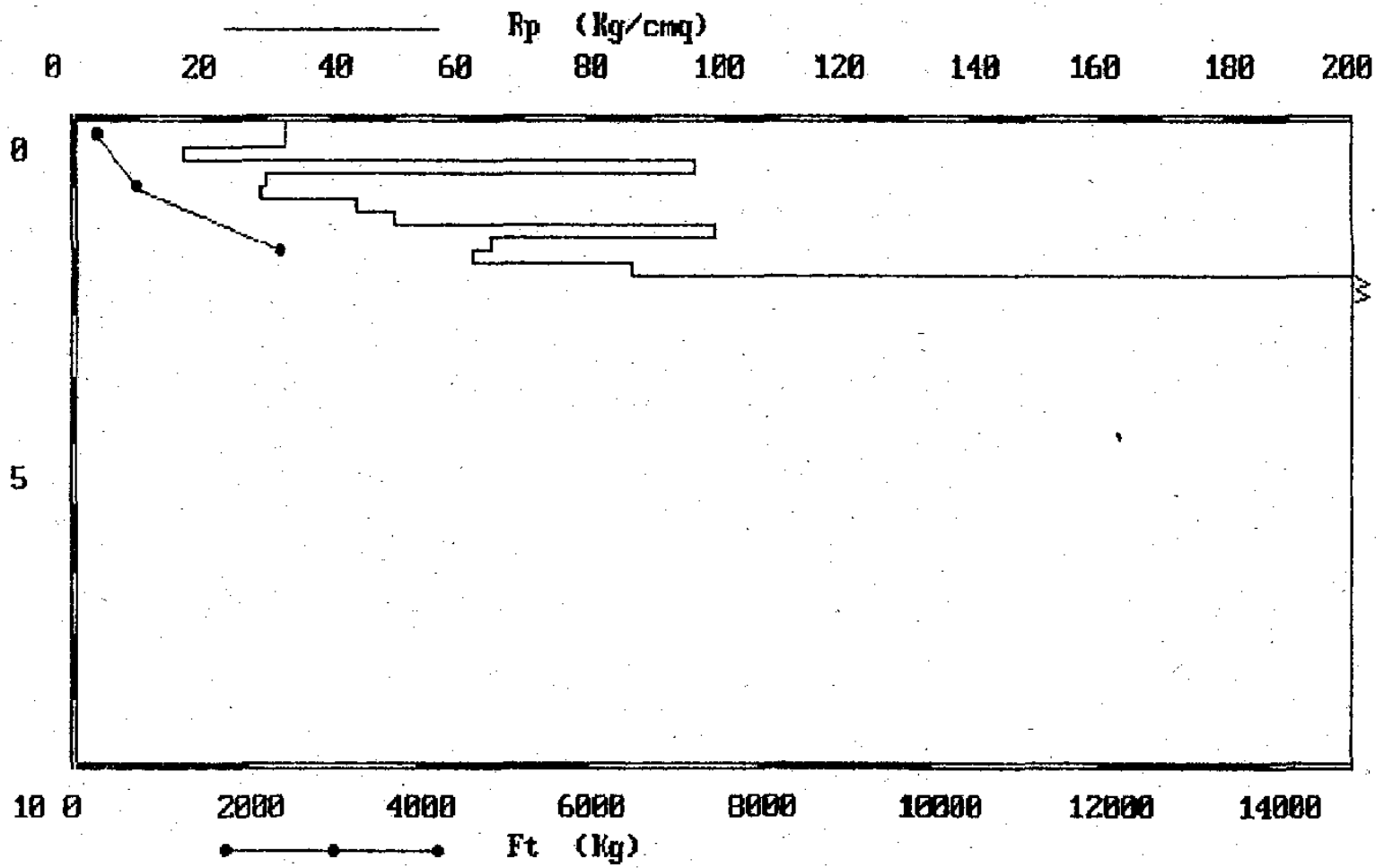


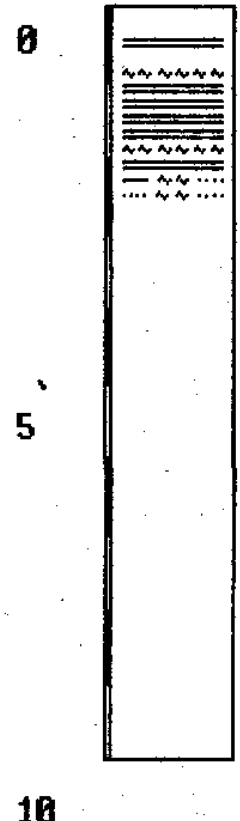
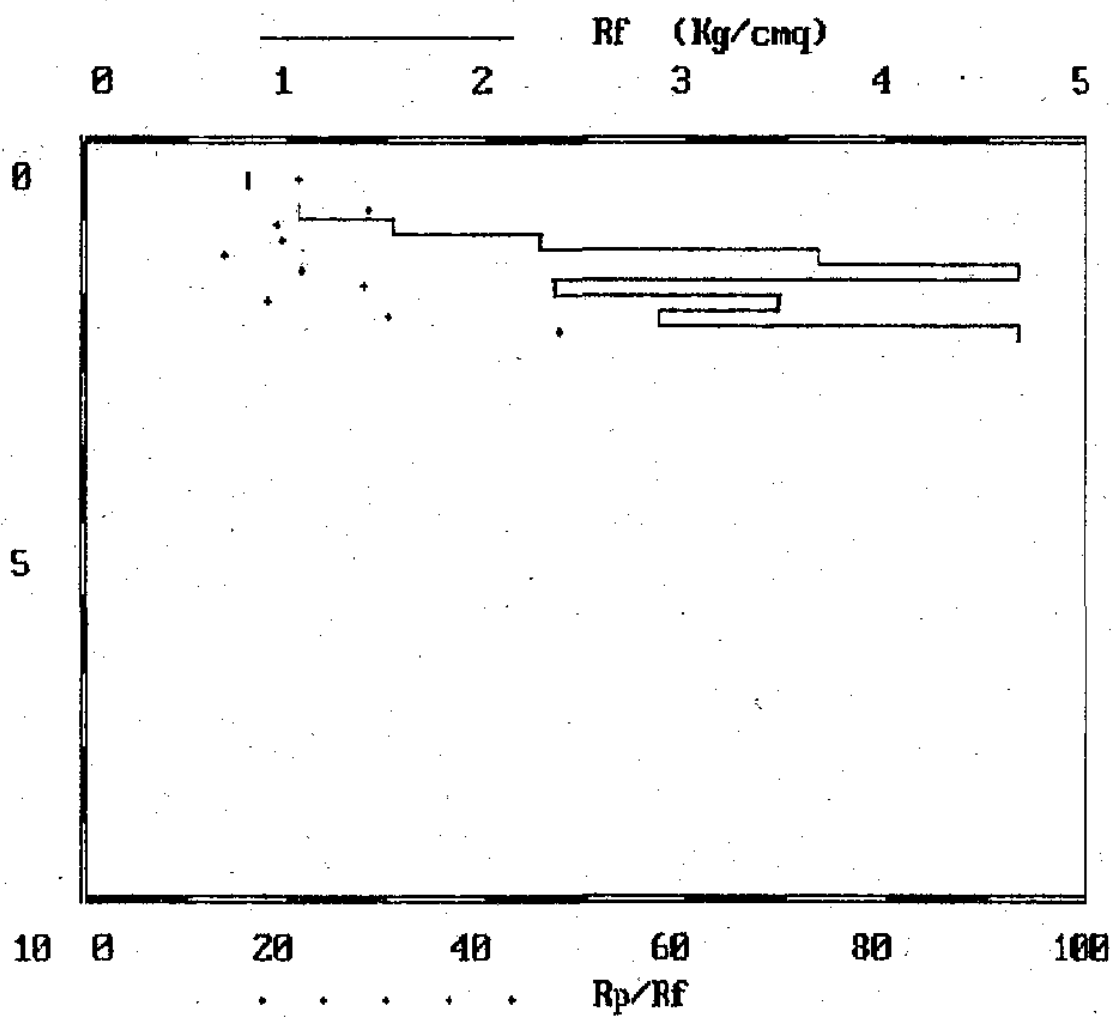


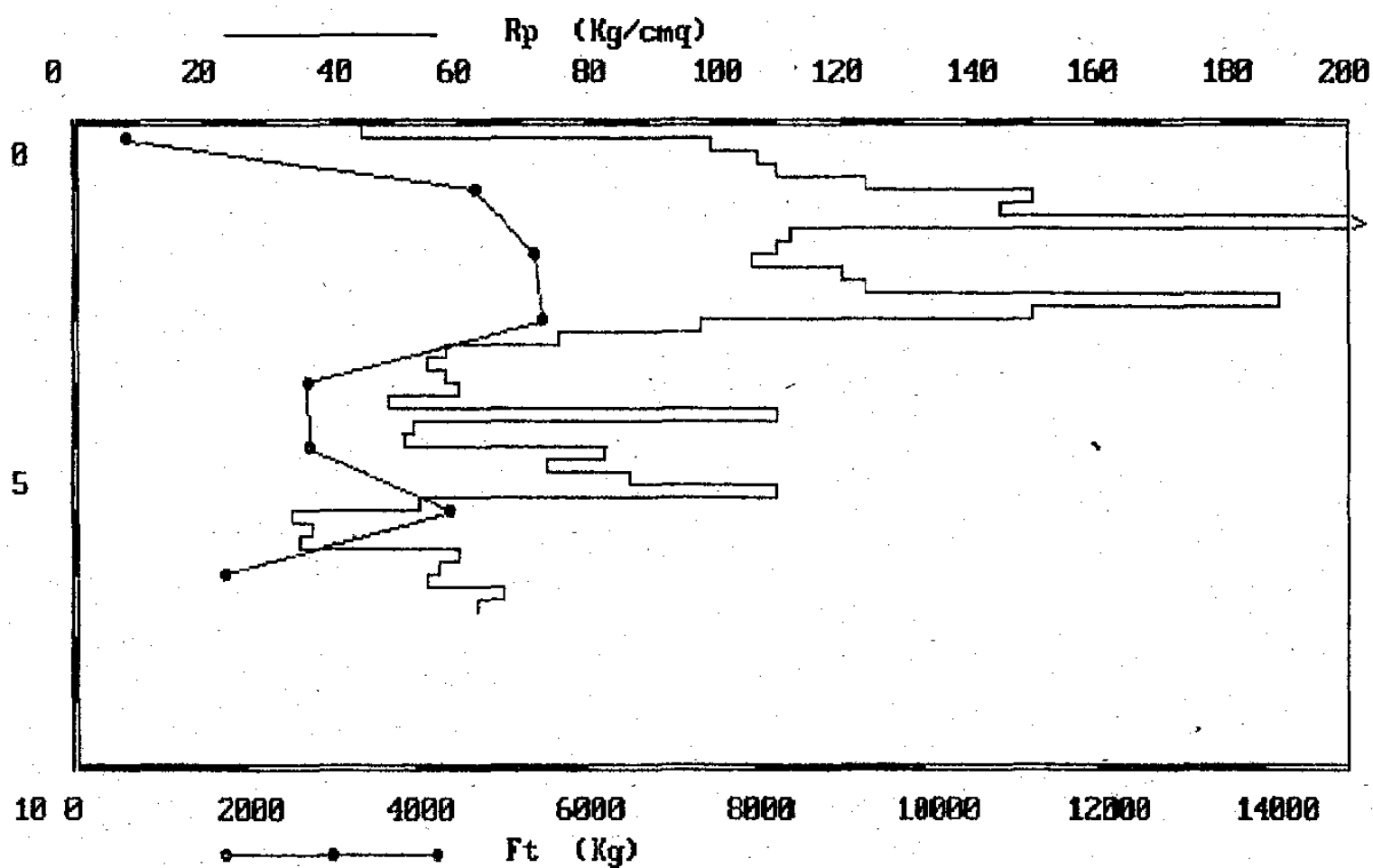


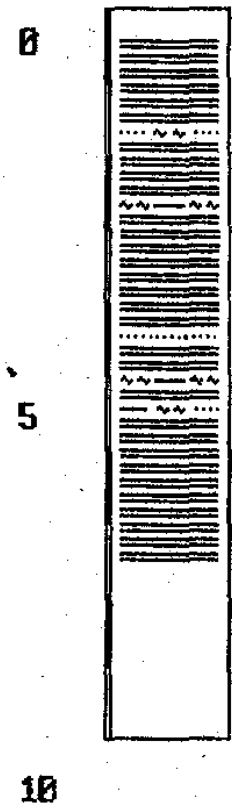
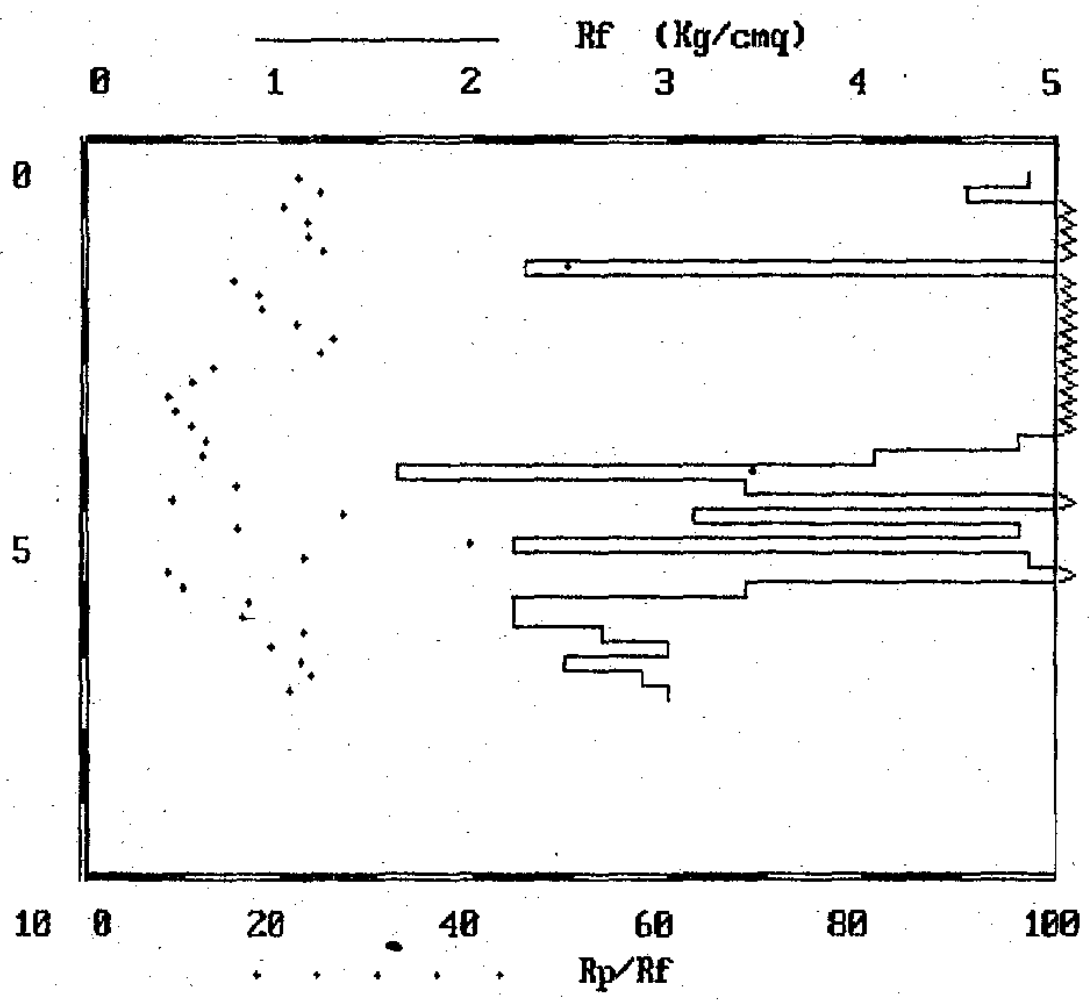


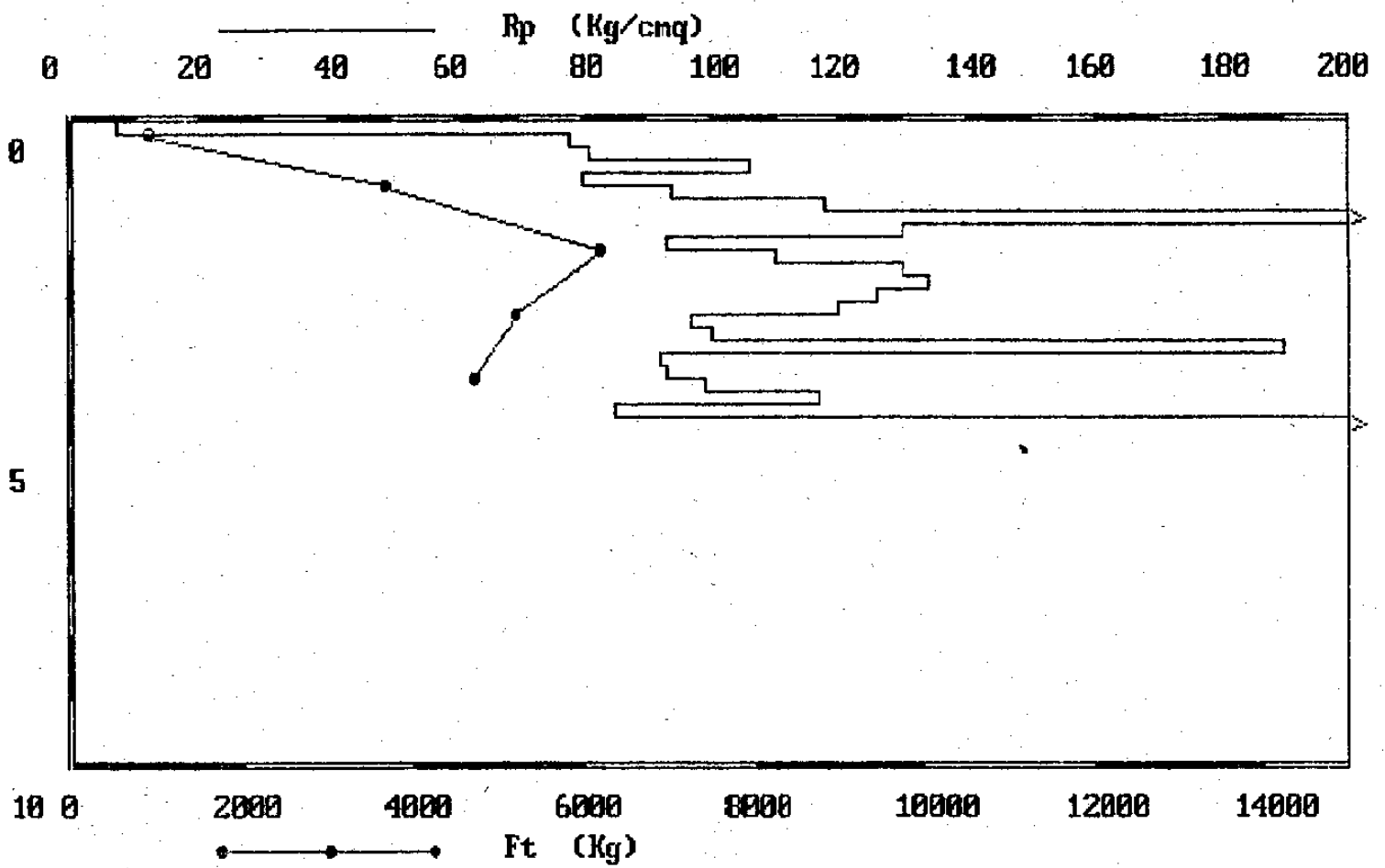


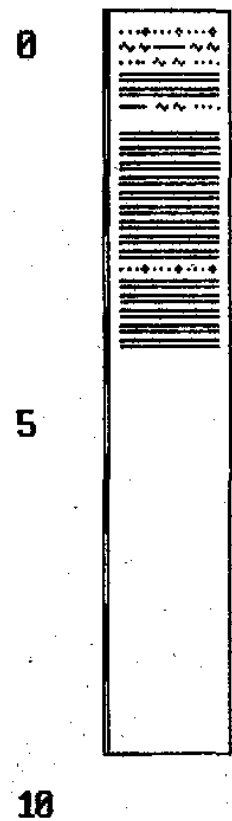
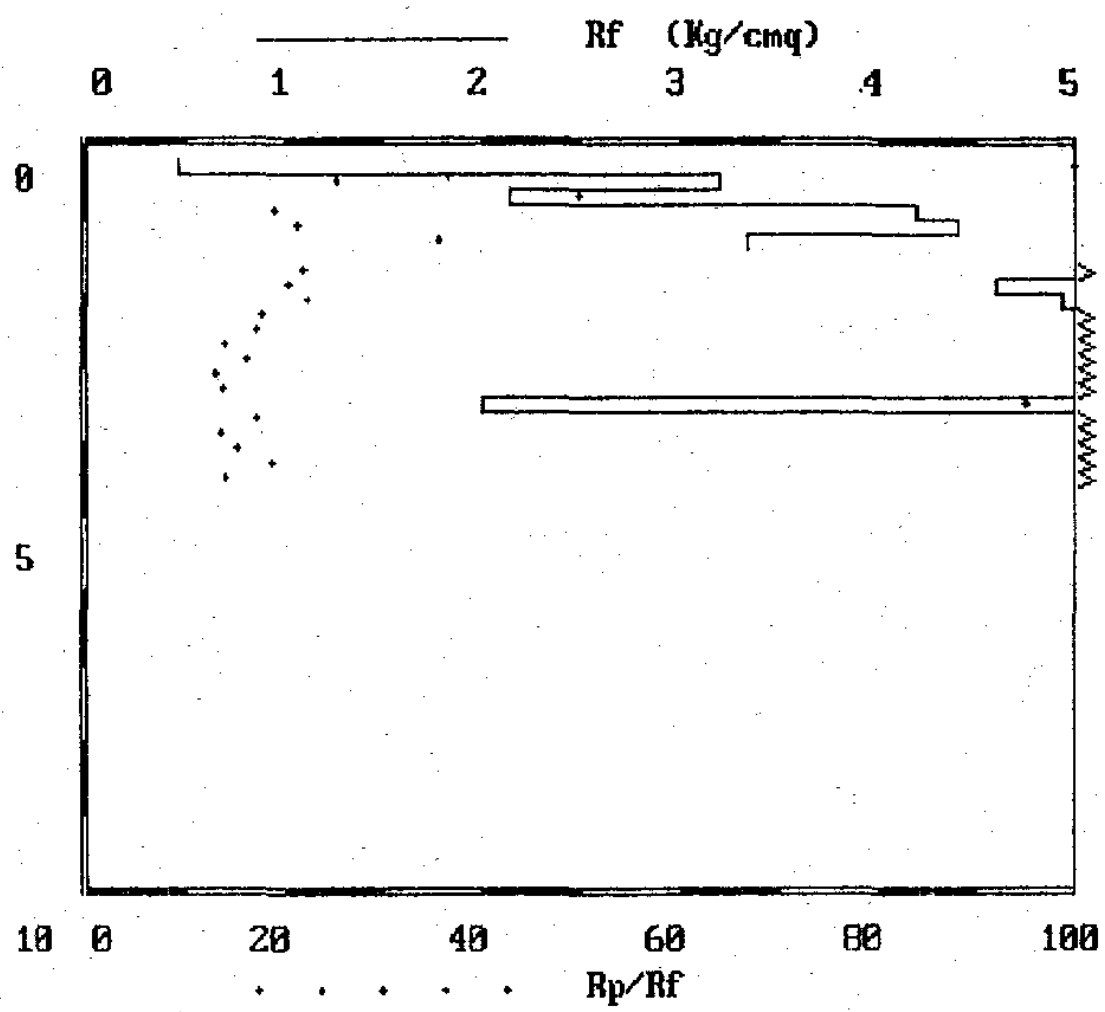


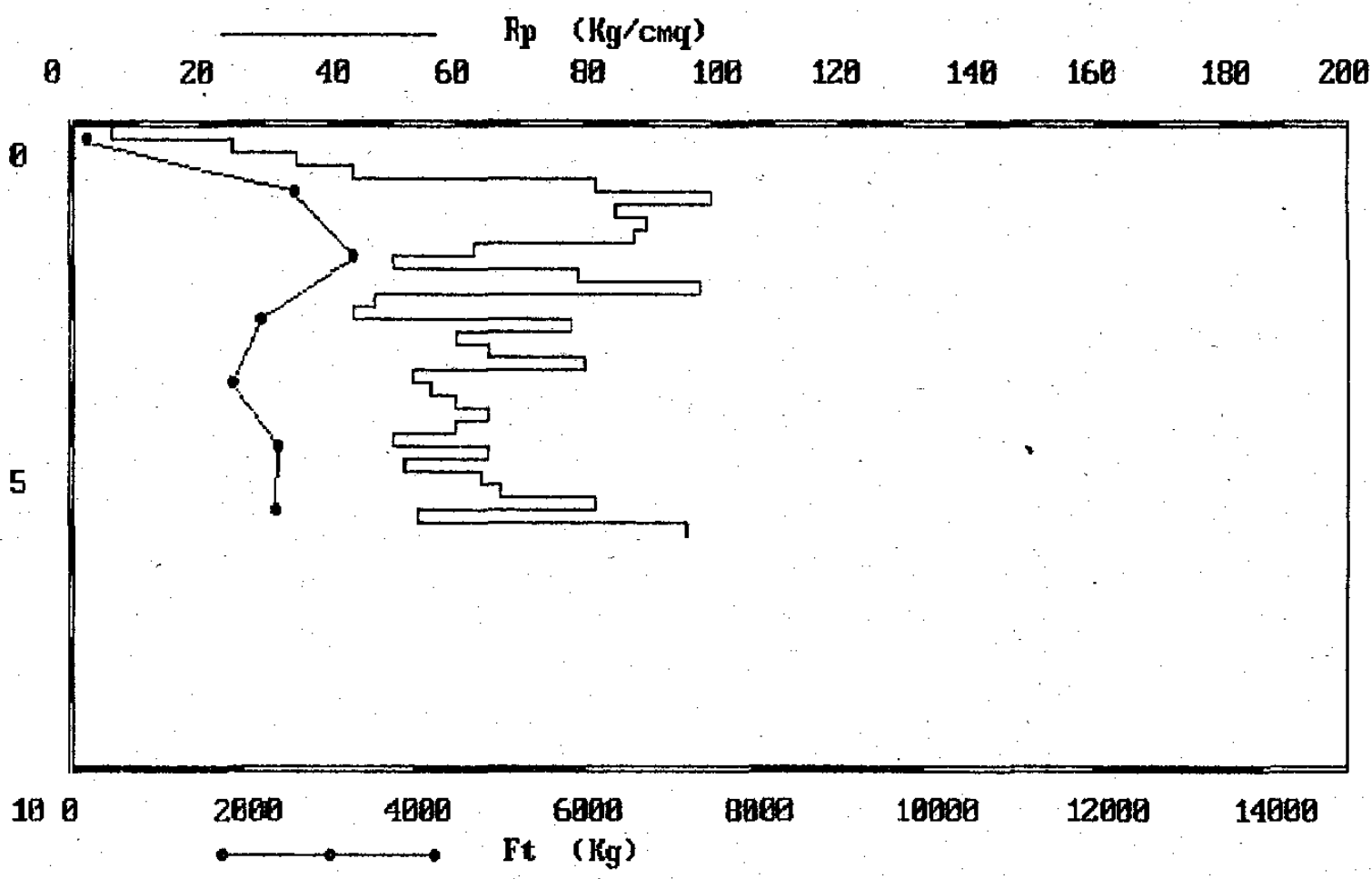


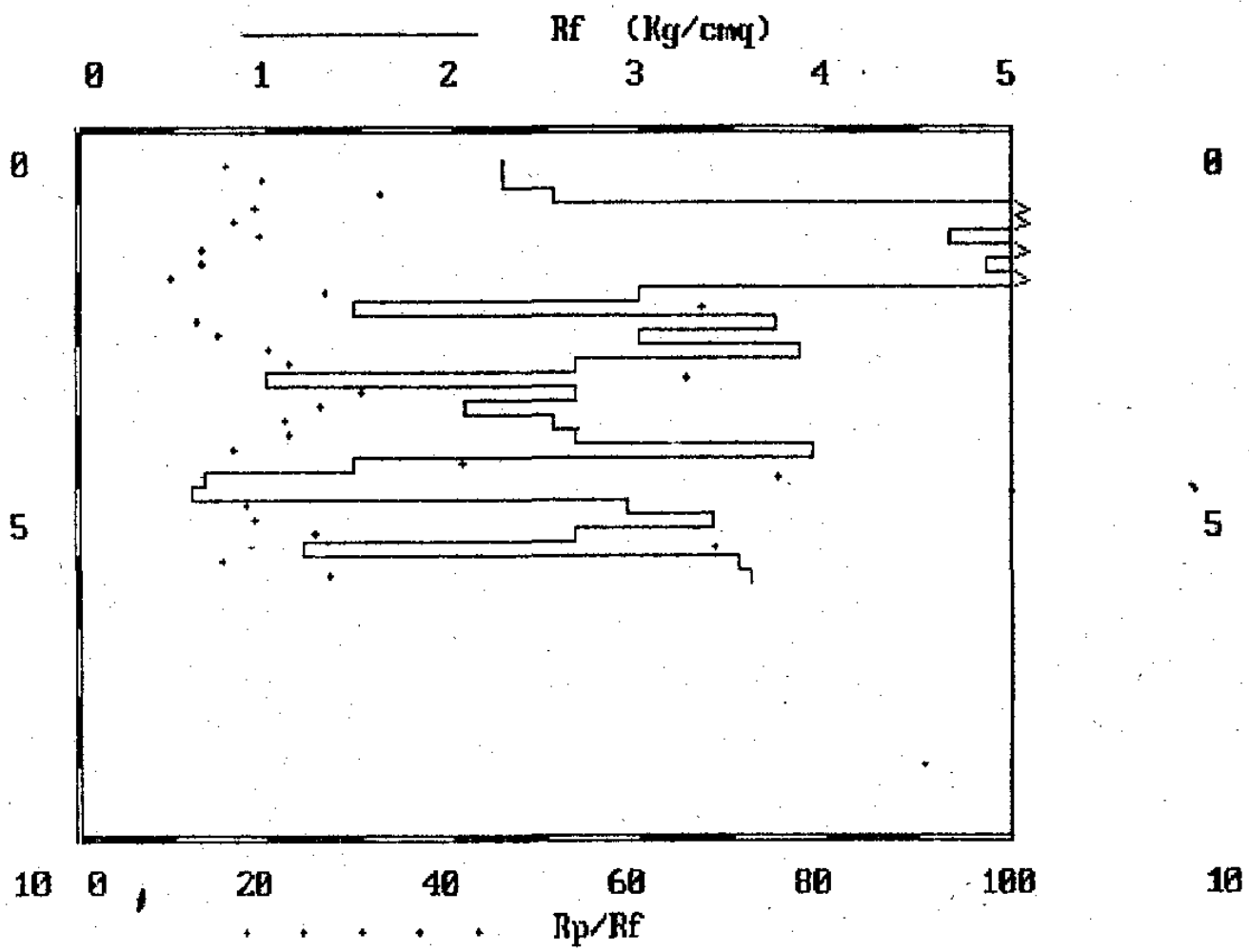


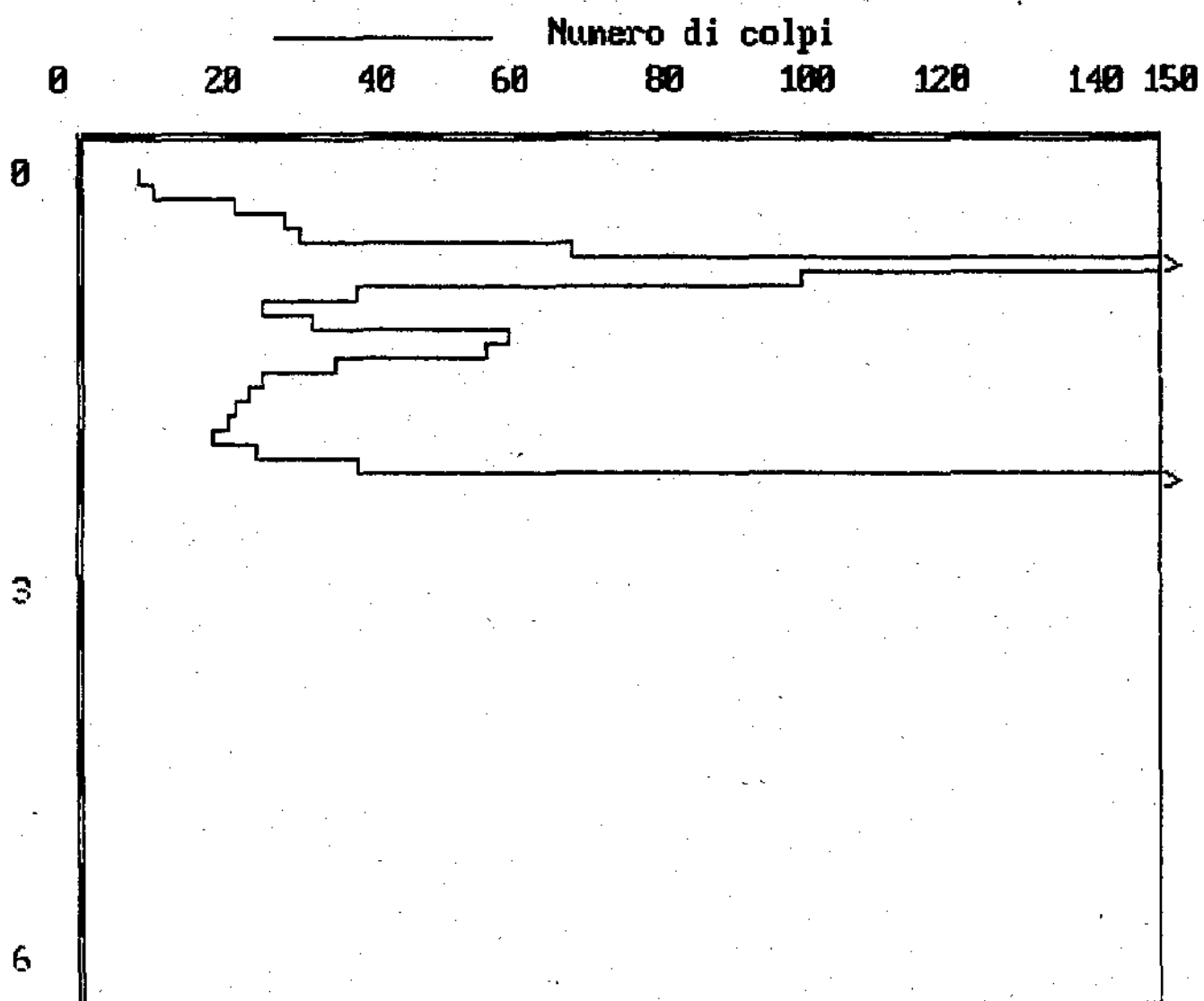


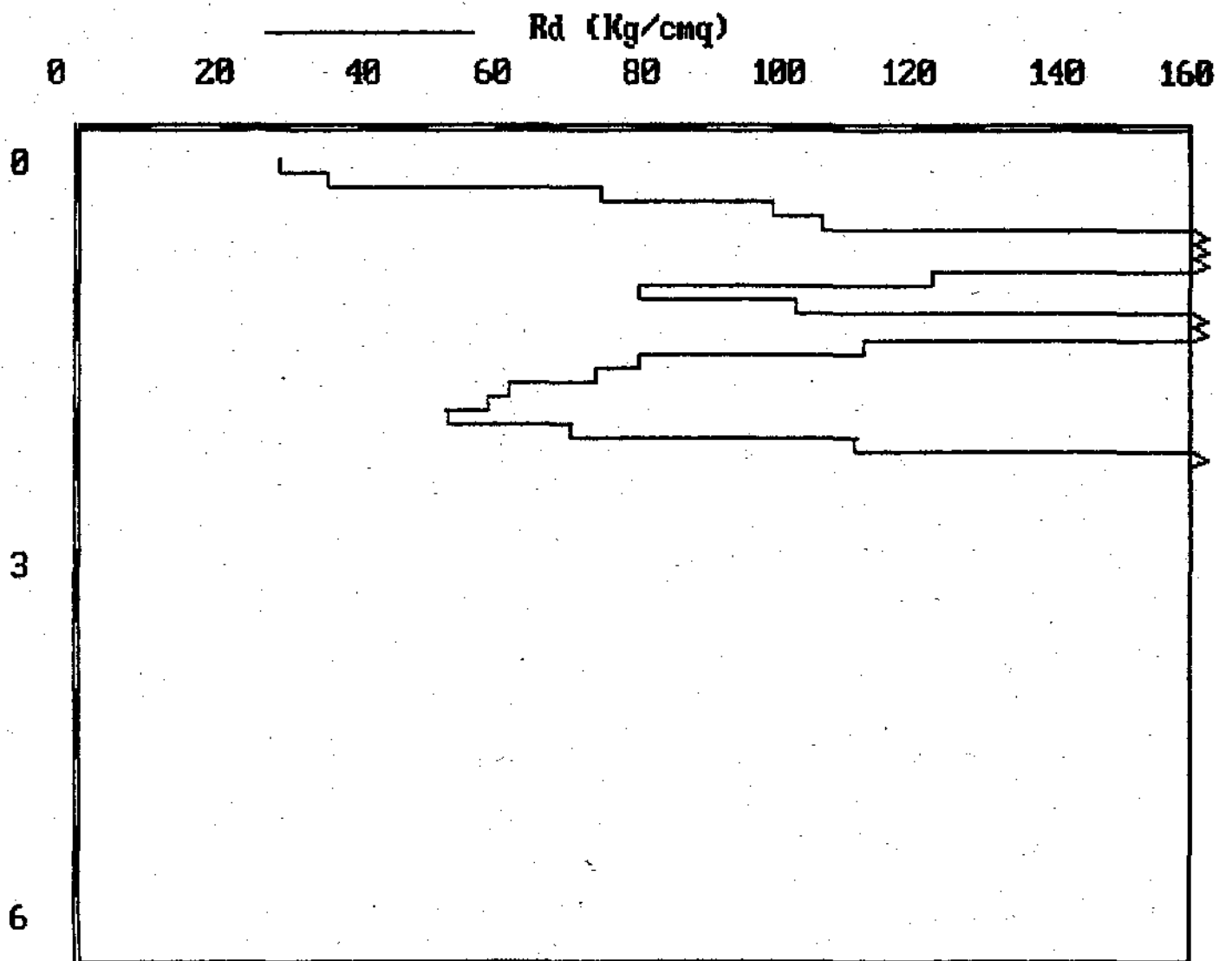






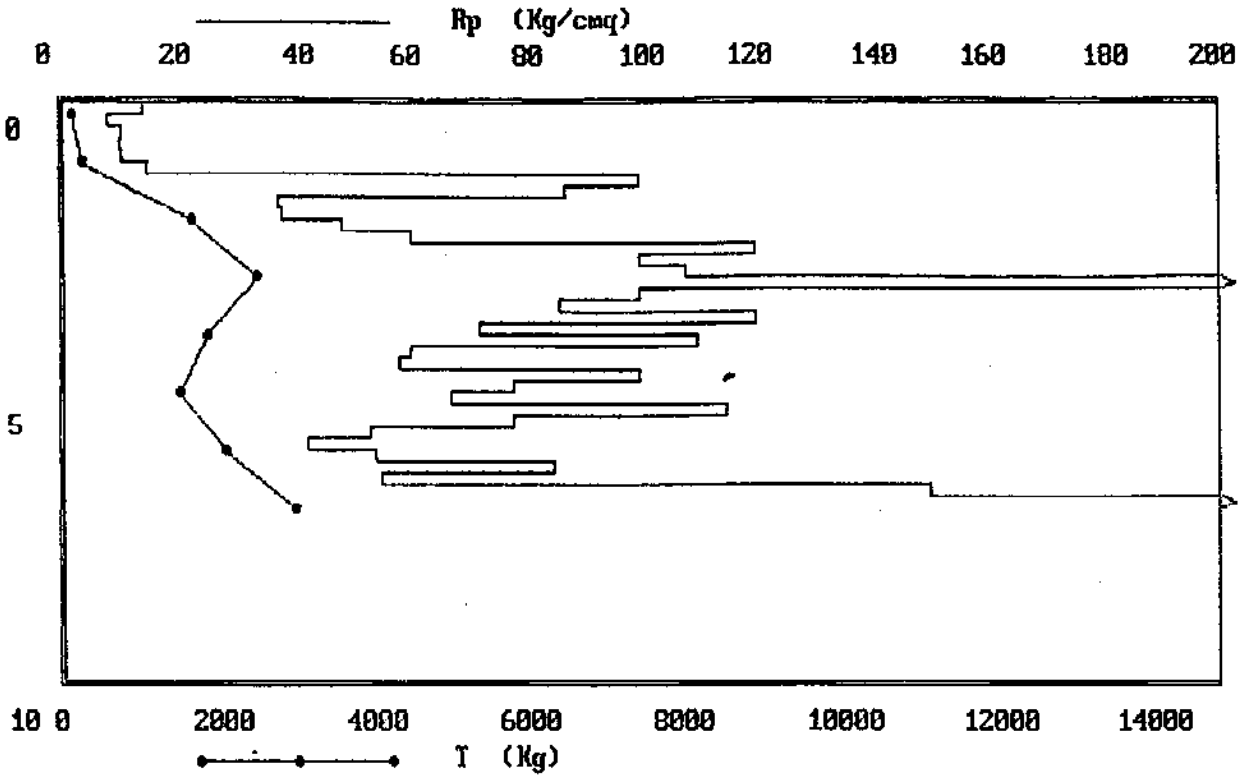






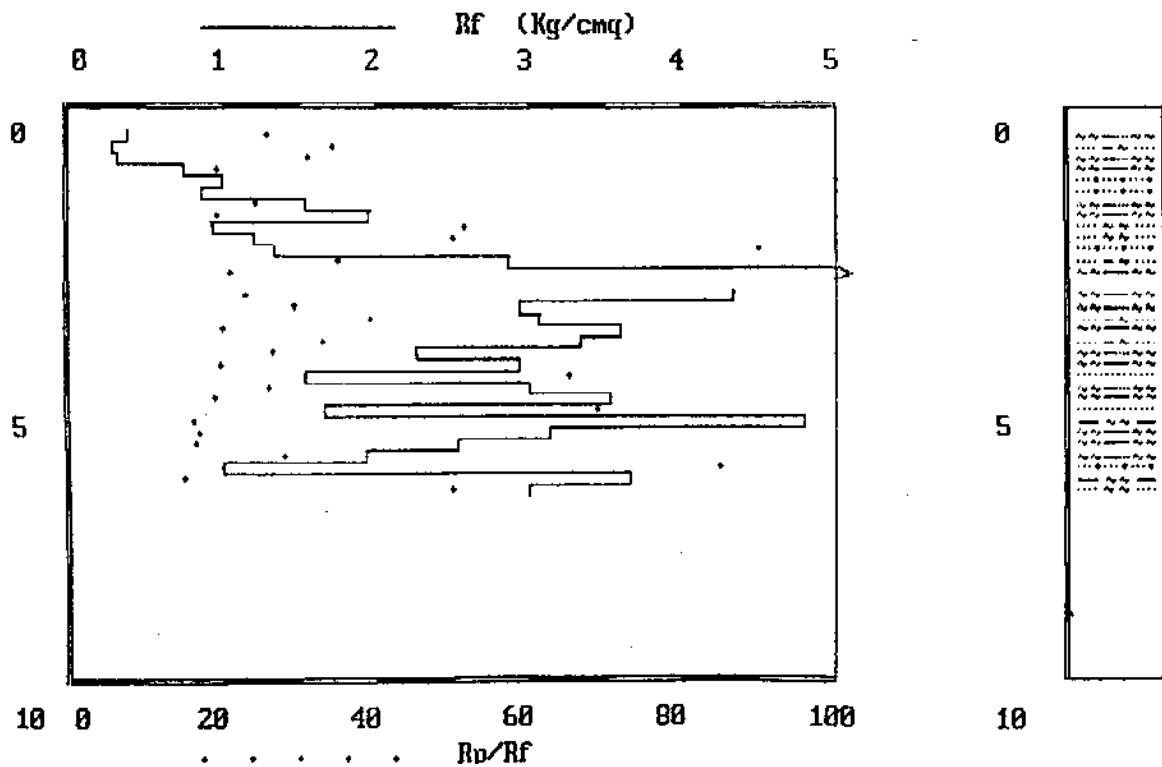
PROVA n° : 1 LOCALITA' : ORENTANO

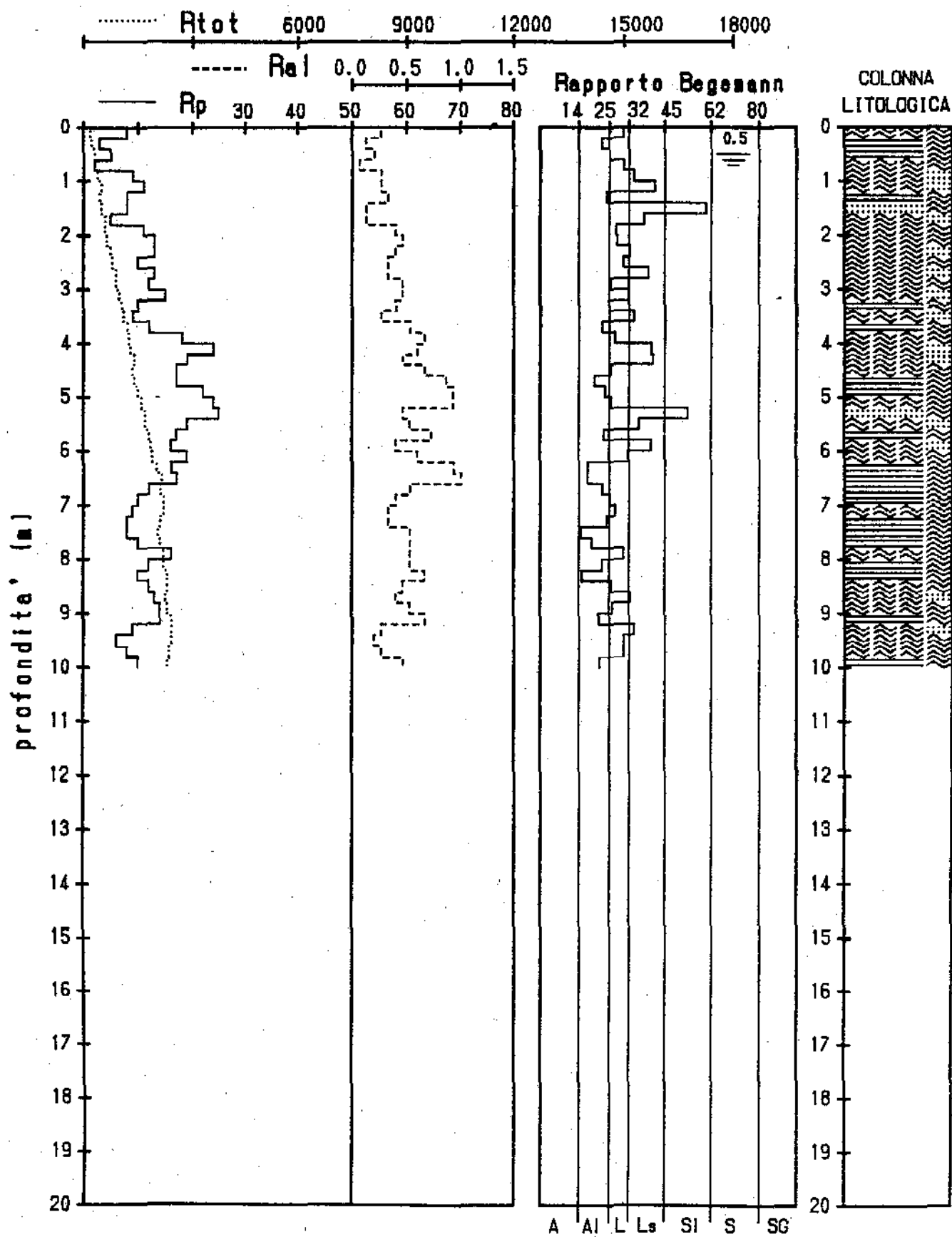
DATA : 20-01-93

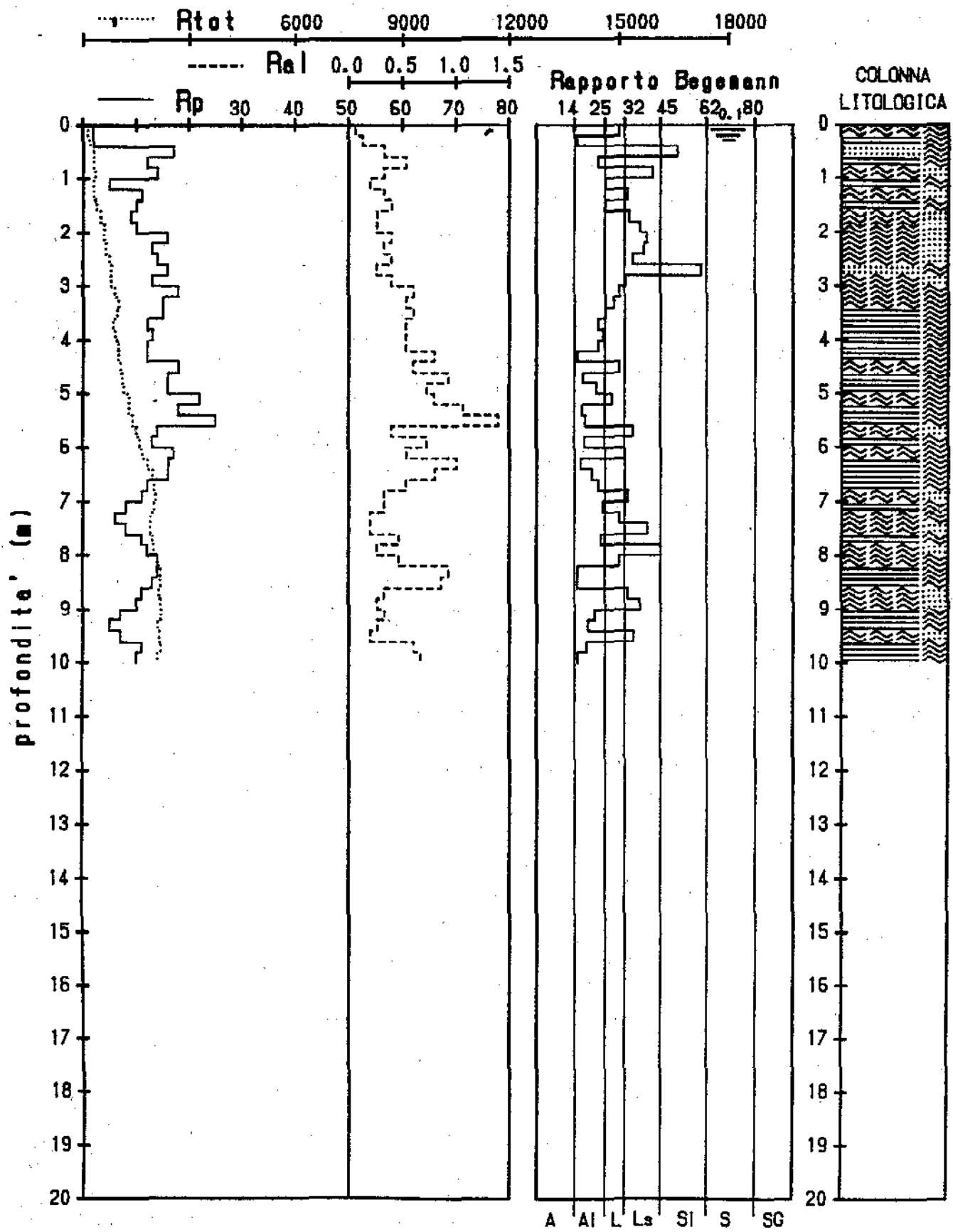


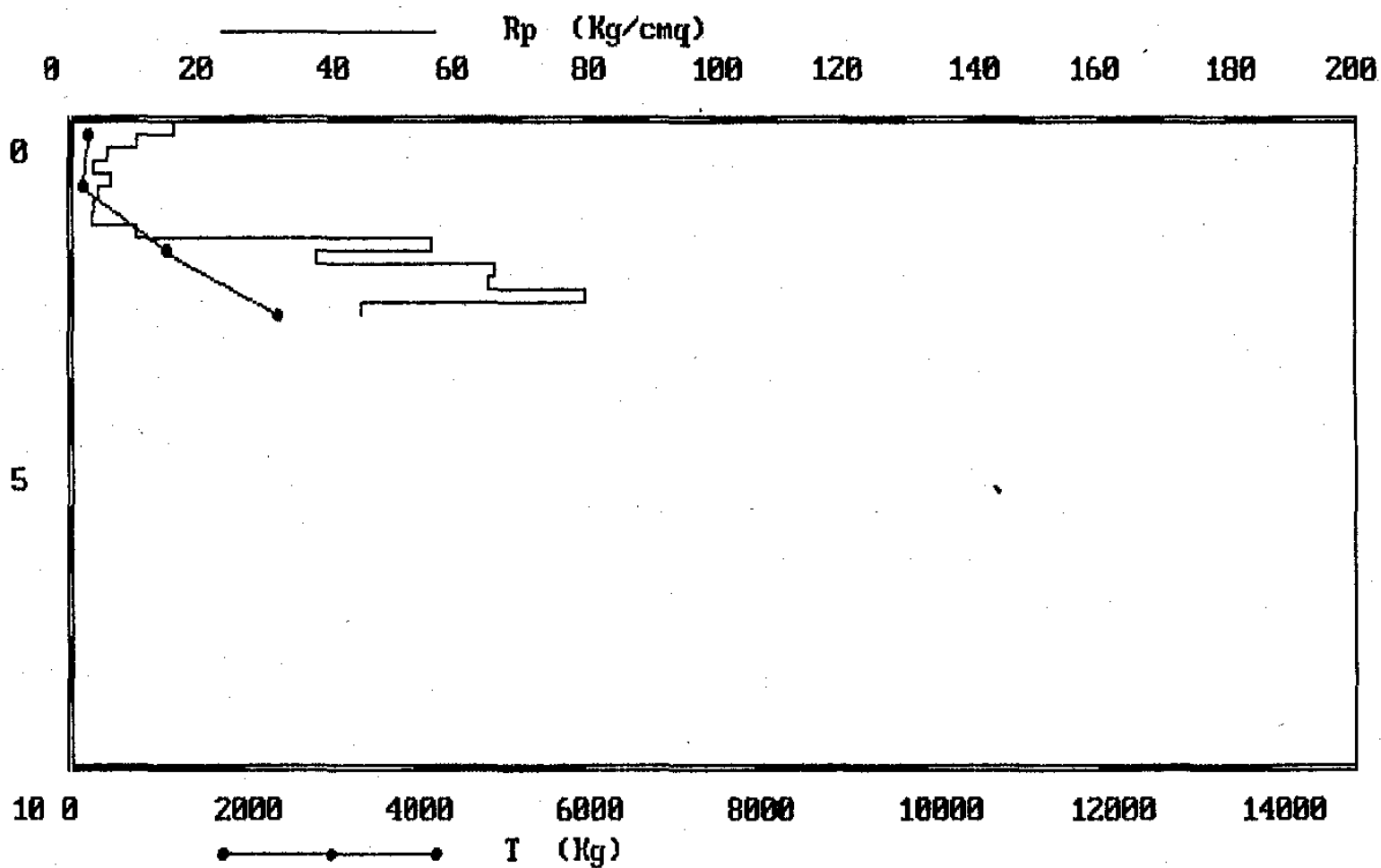
PROVA n° : 1 LOCALITA' : ORENTANO

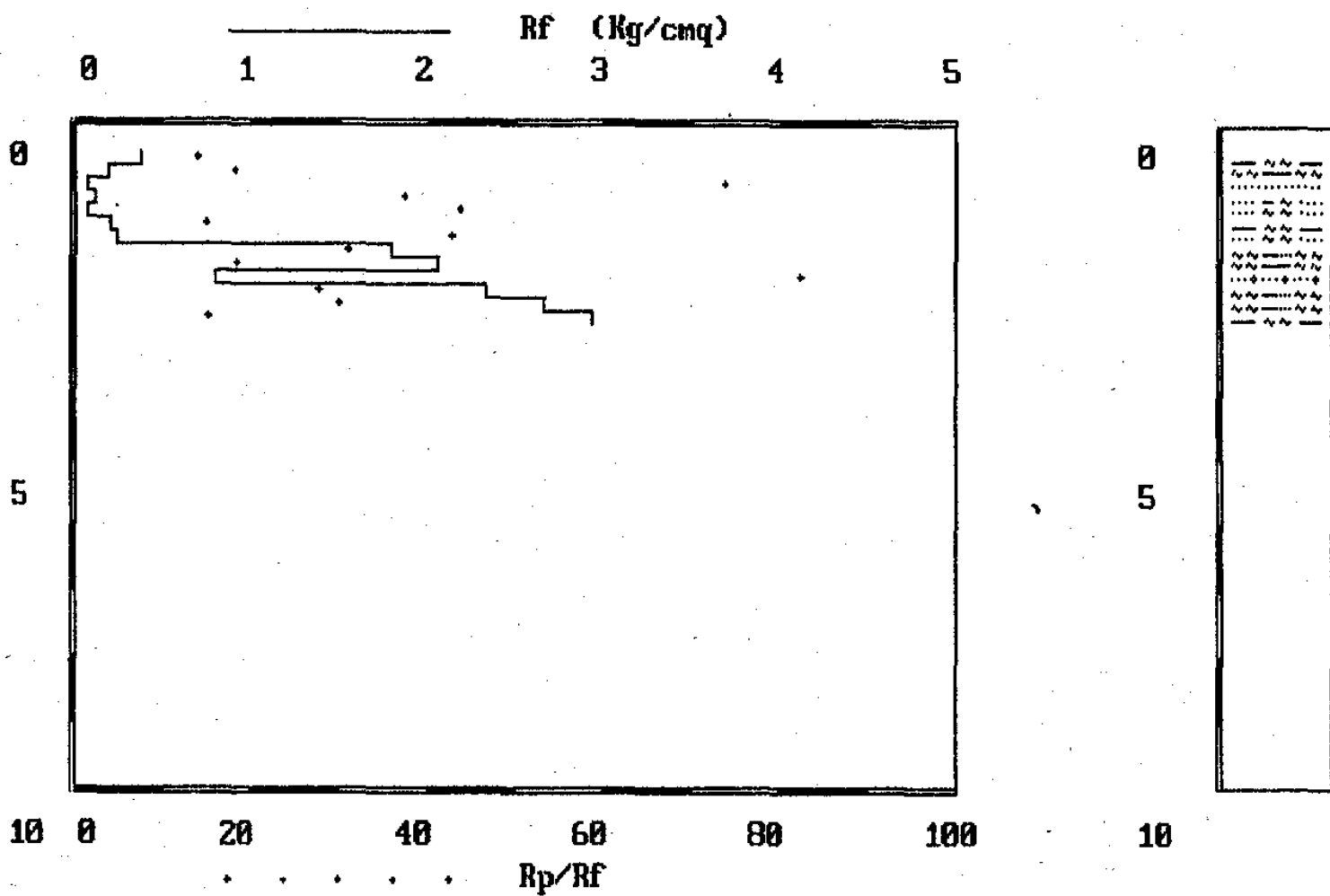
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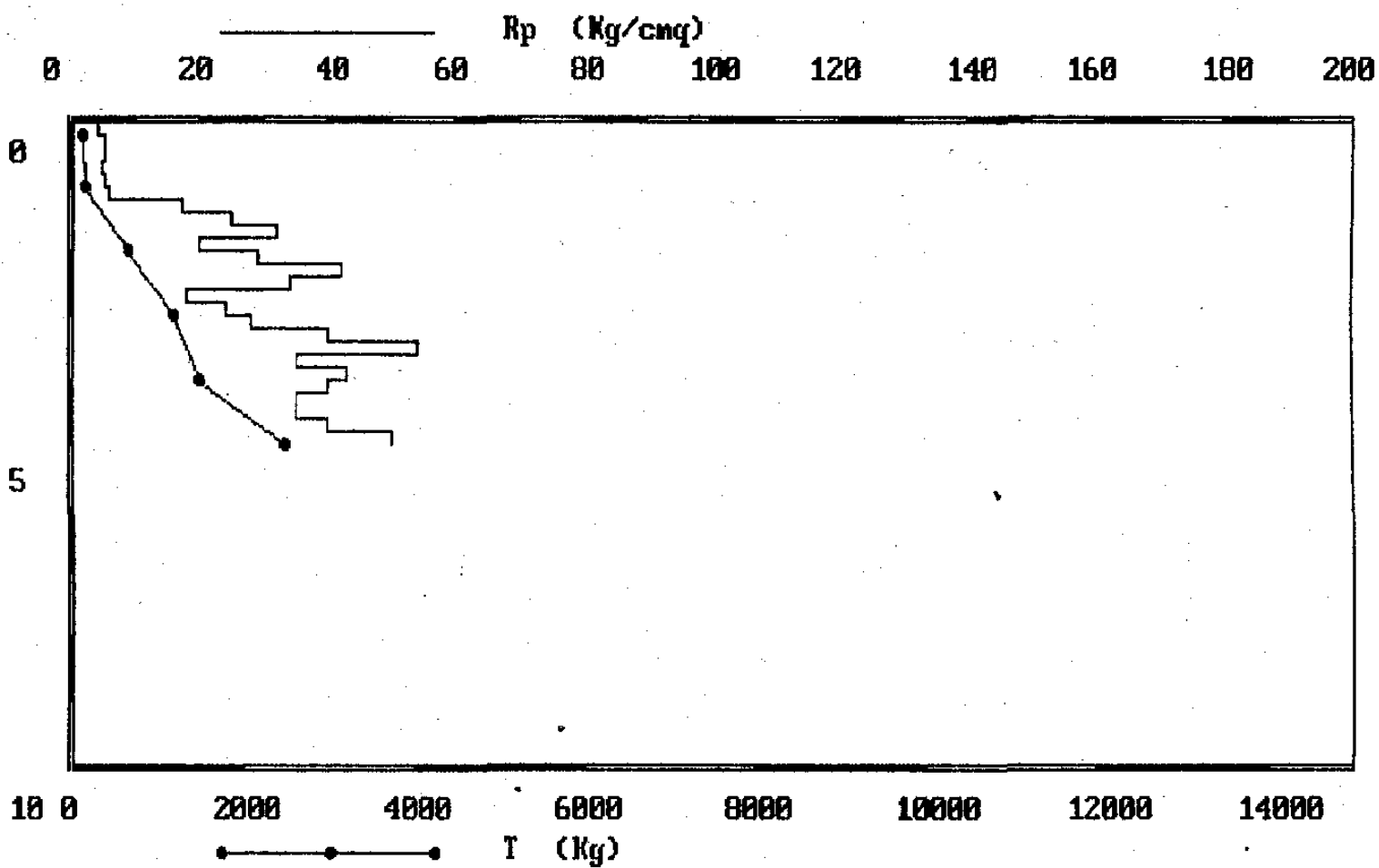


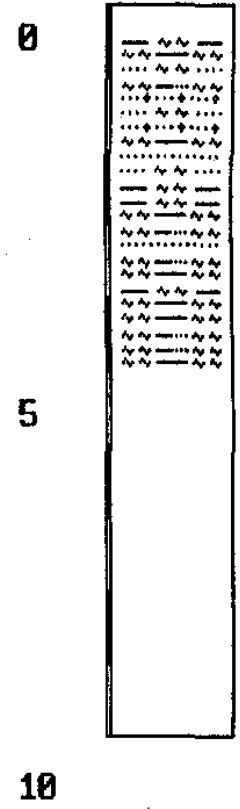
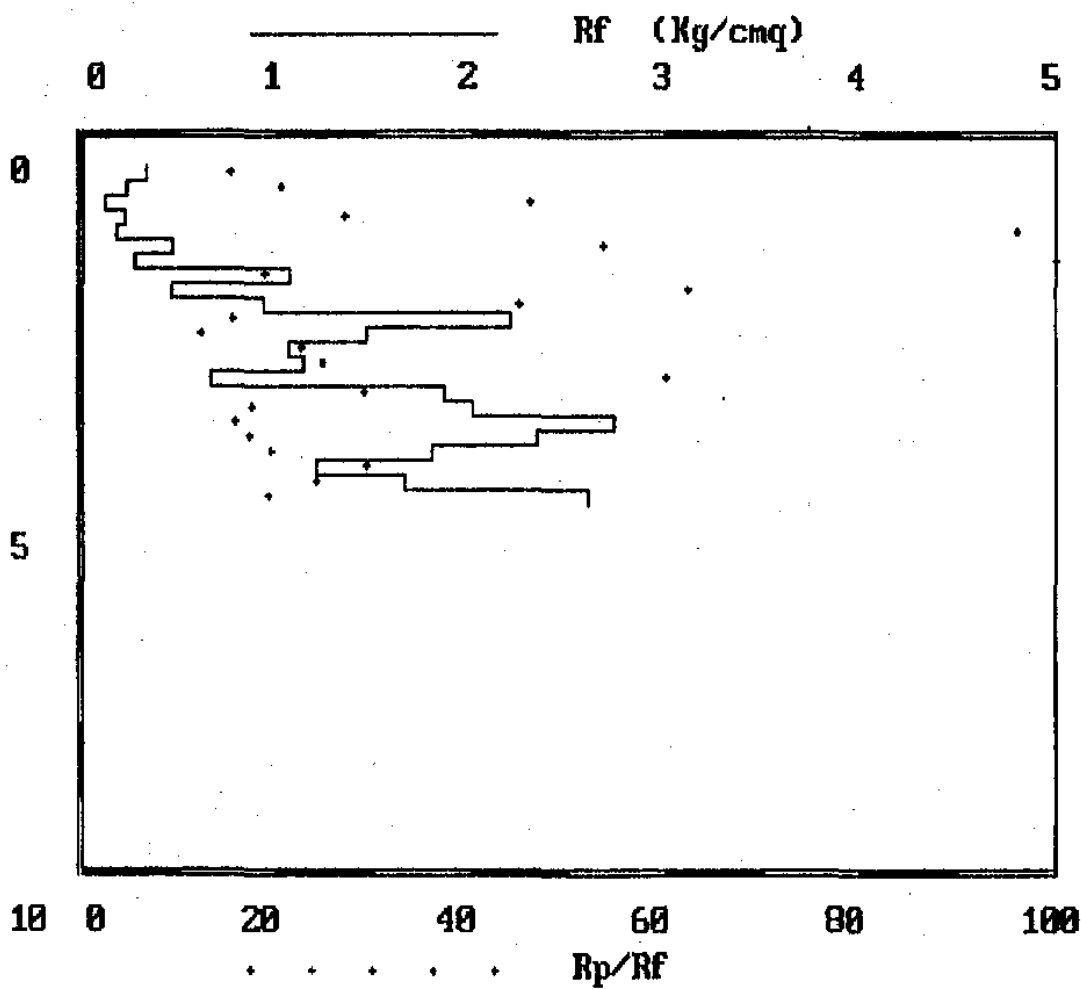










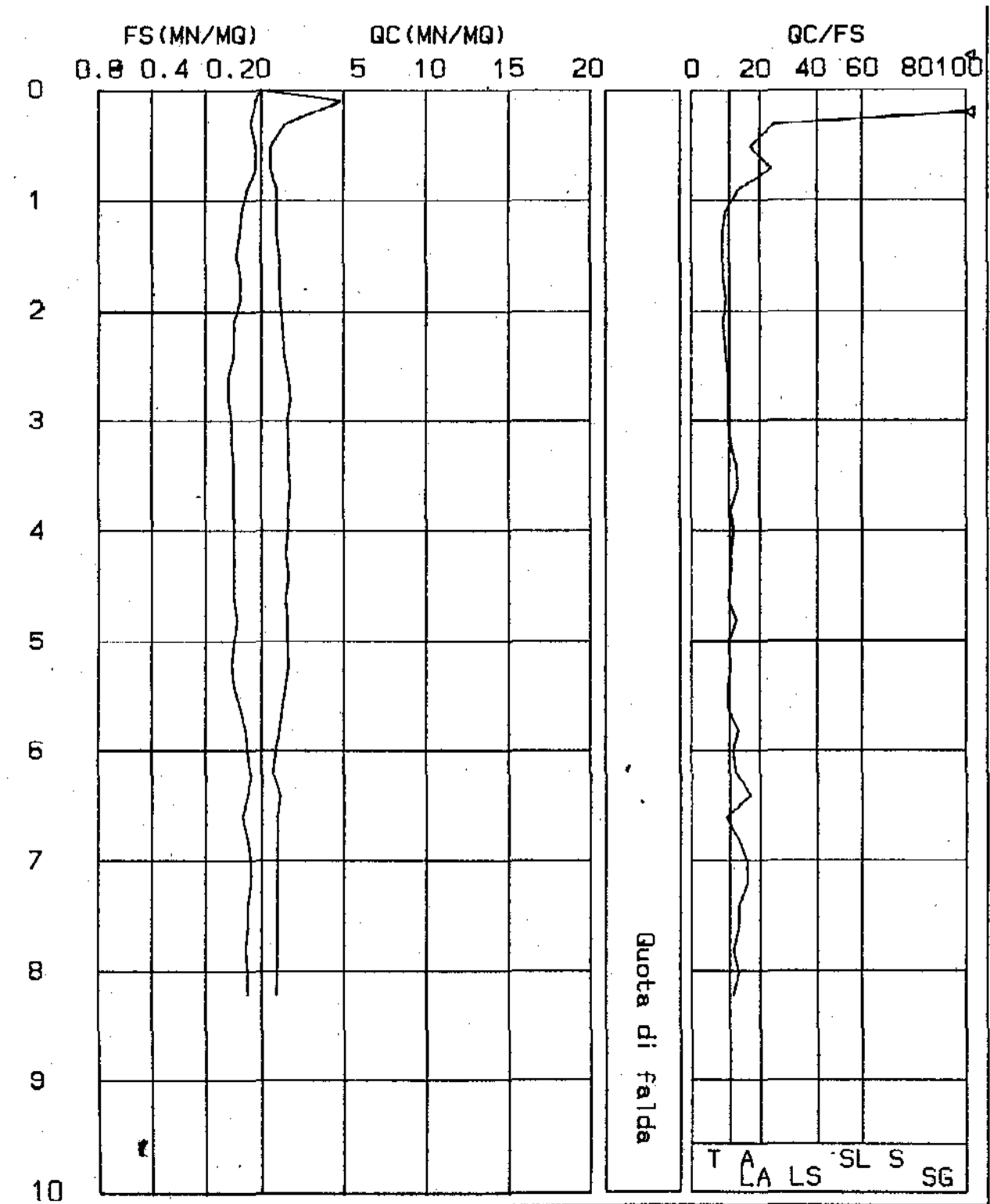


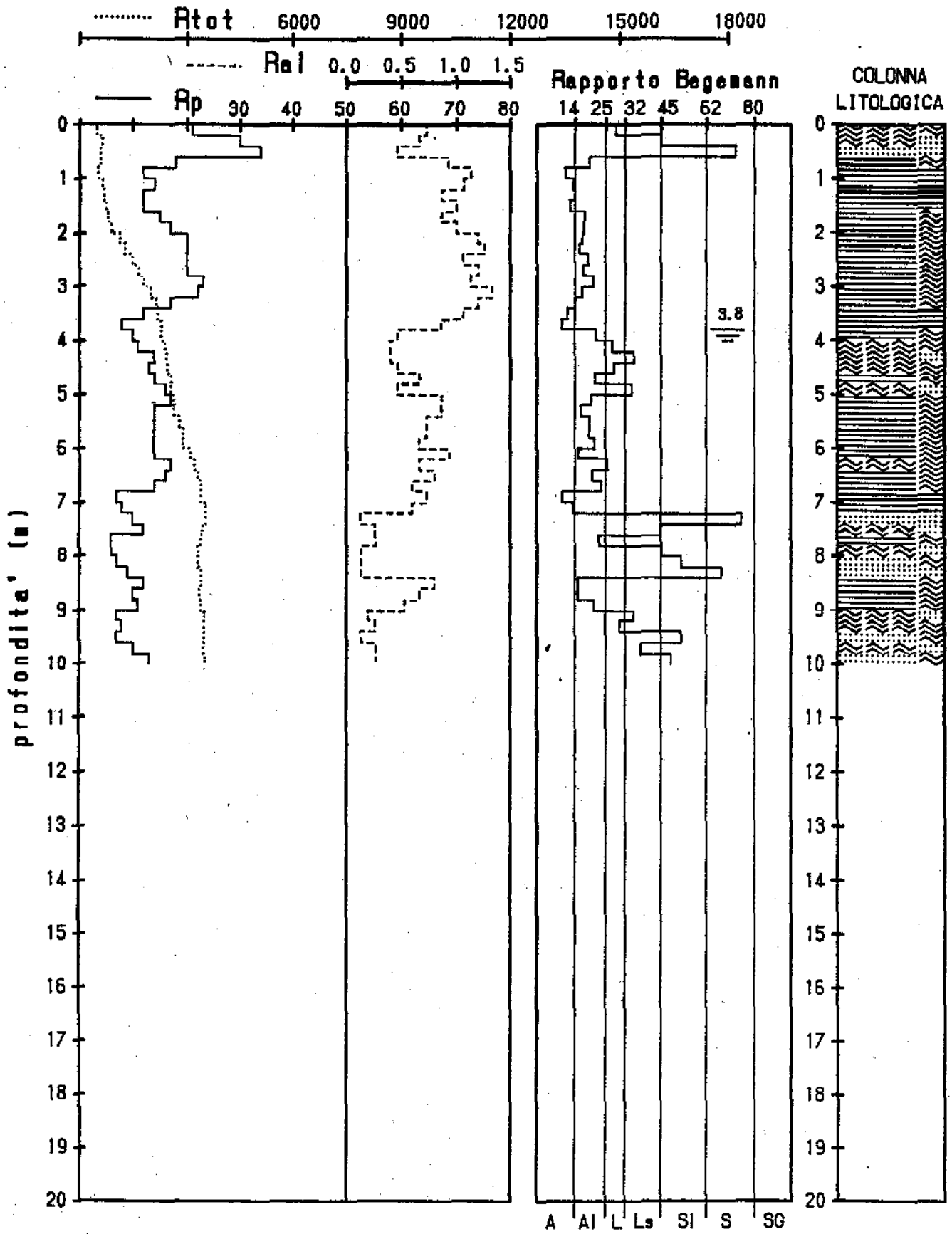
PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 46-AA						IMPIANTO : RISTRUTTURAZIONE FABBRICATO						11						
I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I
I	0.20	48	52	0.27	177.78	I						I						I
I	0.40	15	22	0.47	31.91	I						I						I
I	0.60	6	10	0.27	22.22	I						I						I
I	0.80	6	9	0.20	30.00	I						I						I
I	1.00	10	18	0.53	18.87	I						I						I
I	1.20	10	21	0.73	13.70	I						I						I
I	1.40	10	22	0.80	12.50	I						I						I
I	1.60	12	26	0.93	12.90	I						I						I
I	1.80	11	24	0.87	12.64	I						I						I
I	2.00	12	25	0.87	13.79	I						I						I
I	2.20	13	29	1.07	12.15	I						I						I
I	2.40	14	30	1.07	13.08	I						I						I
I	2.60	17	35	1.20	14.17	I						I						I
I	2.80	18	37	1.27	14.17	I						I						I
I	3.00	16	33	1.15	14.16	I						I						I
I	3.20	17	34	1.13	15.04	I						I						I
I	3.40	17	32	1.00	17.00	I						I						I
I	3.60	18	33	1.00	18.00	I						I						I
I	3.80	17	33	1.07	15.89	I						I						I
I	4.00	16	31	1.00	16.00	I						I						I
I	4.20	15	30	1.00	15.00	I						I						I
I	4.40	17	33	1.07	15.89	I						I						I
I	4.60	15	31	1.07	14.02	I						I						I
I	4.80	16	30	0.93	17.20	I						I						I
I	5.00	16	32	1.07	14.95	I						I						I
I	5.20	17	34	1.13	15.04	I						I						I
I	5.40	15	31	1.07	14.02	I						I						I
I	5.60	13	26	0.87	14.94	I						I						I
I	5.80	11	20	0.60	13.33	I						I						I
I	6.00	9	17	0.53	16.98	I						I						I
I	6.20	7	13	0.40	17.50	I						I						I
I	6.40	12	20	0.53	22.64	I						I						I
I	6.60	10	21	0.73	13.70	I						I						I
I	6.80	10	18	0.53	18.87	I						I						I
I	7.00	10	17	0.47	21.28	I						I						I
I	7.20	10	17	0.47	21.28	I						I						I
I	7.40	10	18	0.53	18.87	I						I						I
I	7.60	10	18	0.53	18.87	I						I						I
I	7.80	10	19	0.60	16.67	I						I						I
I	8.00	10	18	0.53	18.87	I						I						I
I	8.20	9	17	0.53	16.98	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFSSIONE cm. FS = RESISTENZA SPECIFICA AL MANICOTTO daN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA daN/cm² X = RAPPORTO QC/FS
 RL = RESISTENZA LATERALE LOCALE daN/cm²

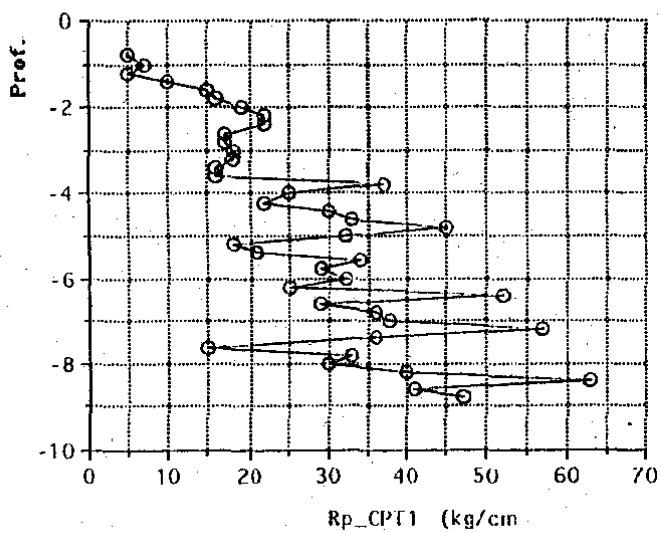
LITOLOGIA : T-TORBE A-ARGILLE LA-LIMI ARGILLOSI LS-LIMI SABBIOSI SL-SABBIE LIMOSE
 S-SABBIE SG-SABBIE E GHIAIE AG-COPERTURA SUPERFICIALE





CPT 1

—○— Rp_CPT1



COLONNA STRATIGRAFICA

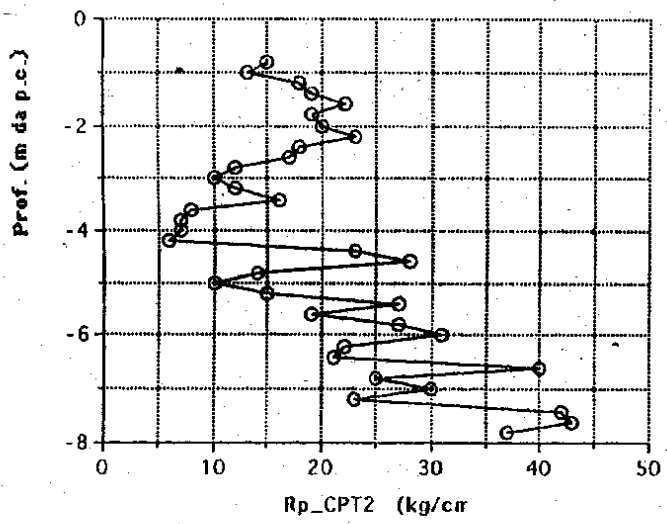


Rp/RI (Begeman 1968)

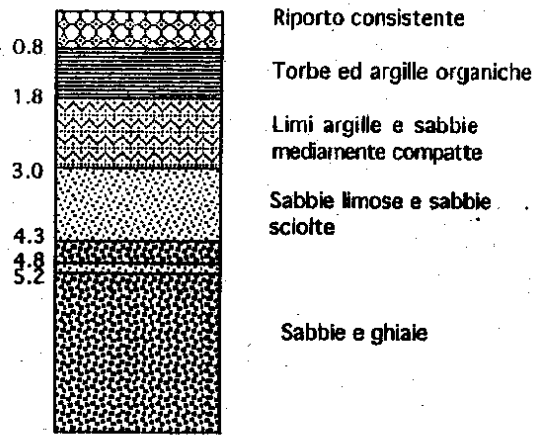
5 15 30 60 200



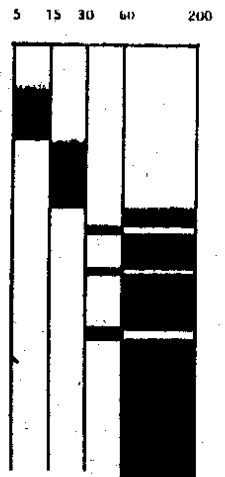
CPT 2 —○— Rp_CPT2



COLONNA STRATIGRAFICA



Rp/Rl (Begeman 1985)

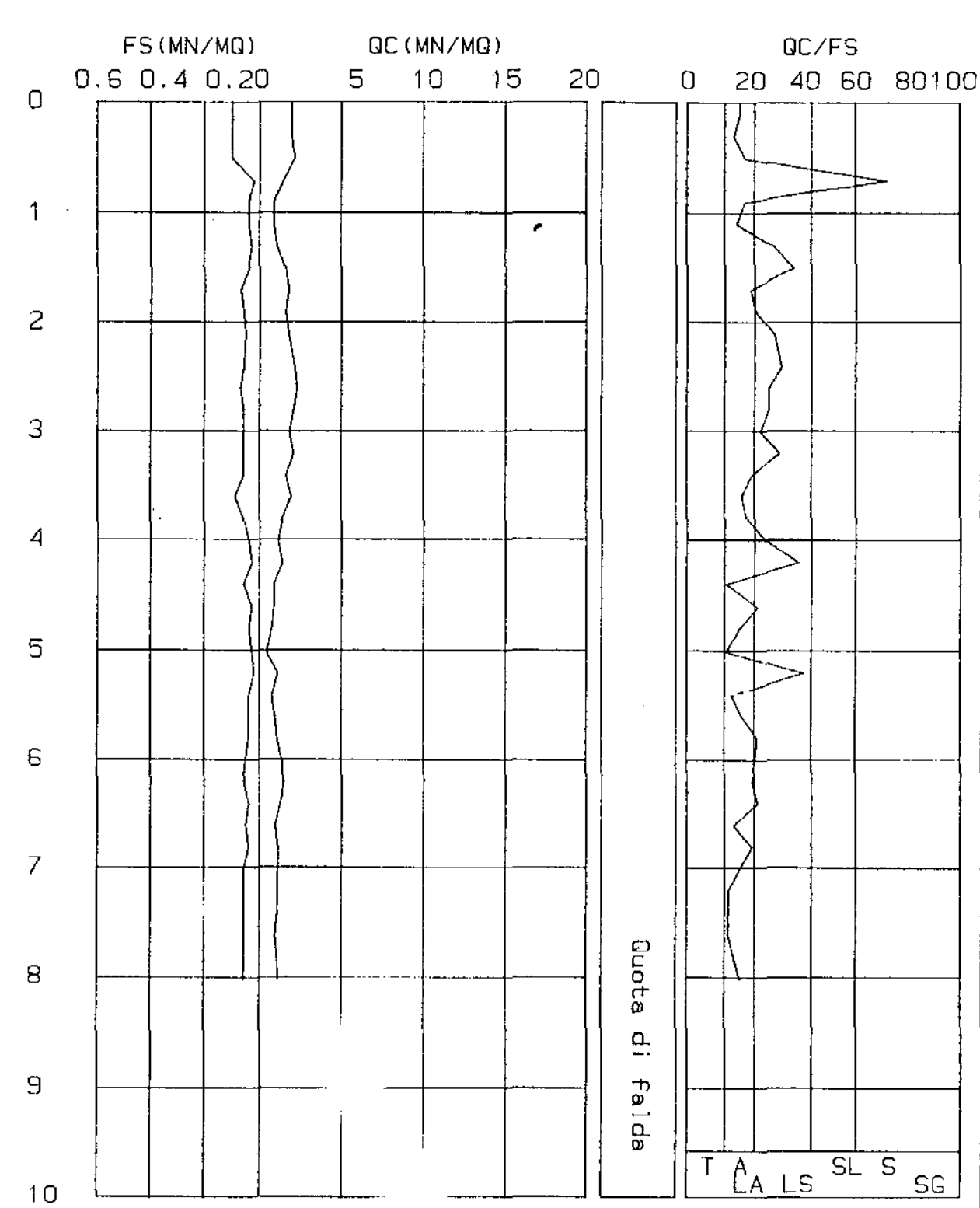


PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 766-AA						CANTIERE : COSTRUZIONE FABBRICATO AD USO COMMERCIALE E UFFICI												
I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I
1	0.00	20	35	1.00	20.00	1						1						1
1	0.20	20	35	1.00	20.00	1						1						1
1	0.40	20	36	1.07	18.69	1						1						1
1	0.60	22	37	1.00	22.00	1						1						1
1	0.80	15	18	0.20	75.00	1						1						1
1	1.00	9	15	0.40	22.50	1						1						1
1	1.20	9	16	0.47	19.15	1						1						1
1	1.40	11	16	0.33	33.33	1						1						1
1	1.60	16	22	0.40	40.00	1						1						1
1	1.80	18	29	0.73	24.66	1						1						1
1	2.00	16	25	0.60	26.67	1						1						1
1	2.20	18	26	0.53	33.96	1						1						1
1	2.40	22	31	0.60	36.67	1						1						1
1	2.60	23	34	0.73	31.51	1						1						1
1	2.80	21	31	0.67	31.34	1						1						1
1	3.00	19	29	0.67	28.36	1						1						1
1	3.20	21	30	0.60	35.00	1						1						1
1	3.40	17	27	0.67	25.37	1						1						1
1	3.60	20	34	0.93	21.51	1						1						1
1	3.80	14	23	0.60	23.33	1						1						1
1	4.00	12	18	0.40	30.00	1						1						1
1	4.20	14	19	0.33	42.42	1						1						1
1	4.40	9	18	0.60	15.00	1						1						1
1	4.60	9	14	0.33	27.27	1						1						1
1	4.80	8	14	0.40	20.00	1						1						1
1	5.00	5	10	0.33	15.15	1						1						1
1	5.20	12	16	0.27	44.44	1						1						1
1	5.40	8	15	0.47	17.02	1						1						1
1	5.60	10	17	0.47	21.28	1						1						1
1	5.80	11	17	0.40	27.50	1						1						1
1	6.00	14	22	0.53	26.42	1						1						1
1	6.20	15	24	0.60	25.00	1						1						1
1	6.40	13	20	0.47	27.66	1						1						1
1	6.60	10	18	0.53	18.87	1						1						1
1	6.80	12	19	0.47	25.53	1						1						1
1	7.00	12	21	0.60	20.00	1						1						1
1	7.20	11	21	0.67	16.42	1						1						1
1	7.40	11	21	0.67	16.42	1						1						1
1	7.60	10	19	0.60	16.67	1						1						1
1	7.80	11	20	0.60	18.33	1						1						1
1	8.00	12	21	0.60	20.00	1						1						1

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOITO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : 1=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TIERRENO AGRICOLA



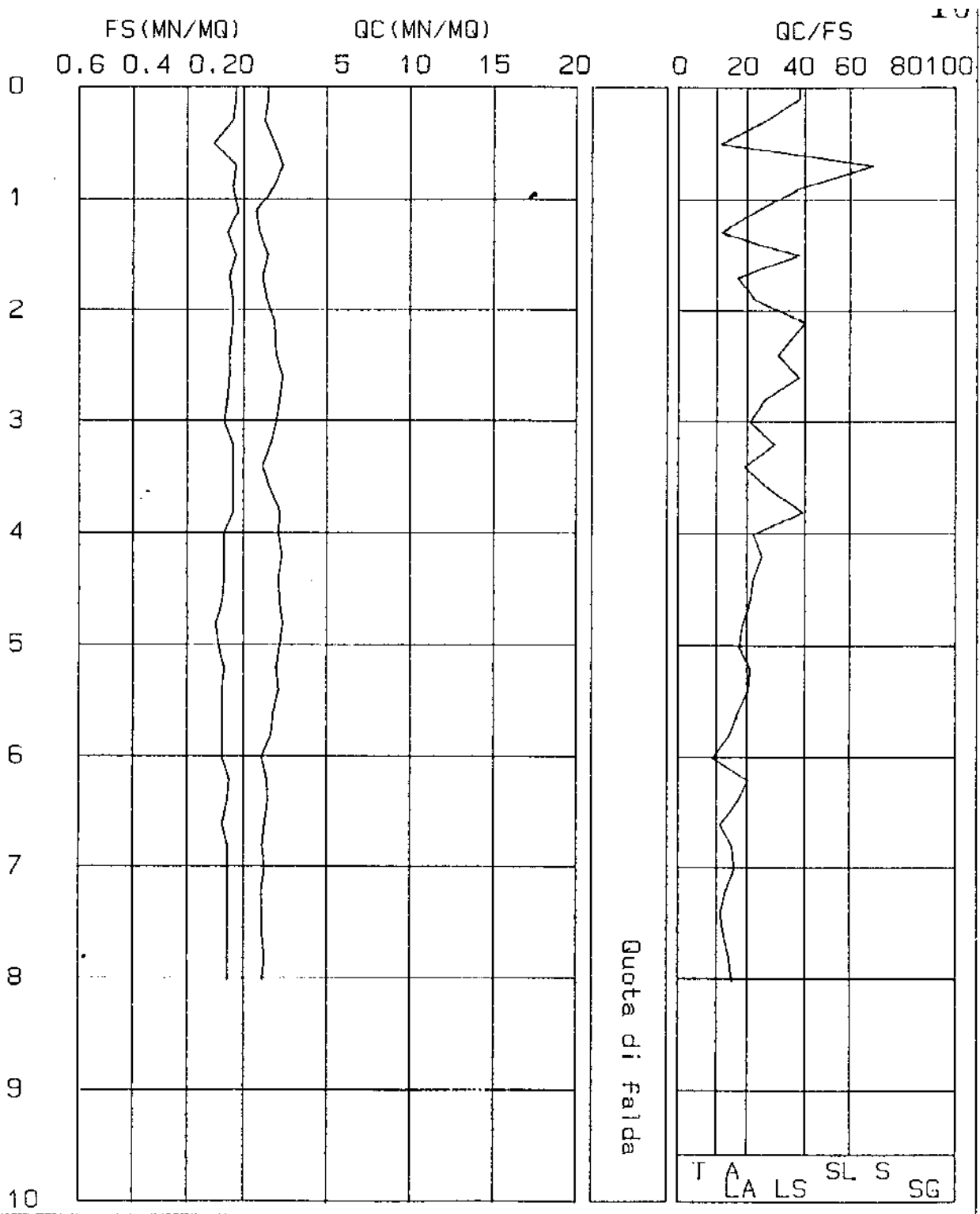
PROVA PENETROMETRICA STATICA

14

CERTIFICATO N.RO : 767-AA					CANTIERE : COSTRUZIONE FABBRICATO AD USO COMMERCIALE E UFFICI													
I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I
I	0.00	15	20	0.33	45.45	I						I						I
I	0.20	15	20	0.33	45.45	I						I						I
I	0.40	13	19	0.40	32.50	I						I						I
I	0.60	19	36	1.13	16.81	I						I						I
I	0.80	24	29	0.33	72.73	I						I						I
I	1.00	18	24	0.40	45.00	I						I						I
I	1.20	8	12	0.27	29.63	I						I						I
I	1.40	10	19	0.60	16.67	I						I						I
I	1.60	15	20	0.33	45.45	I						I						I
I	1.80	12	20	0.53	22.64	I						I						I
I	2.00	14	21	0.47	29.79	I						I						I
I	2.20	19	25	0.40	47.50	I						I						I
I	2.40	20	28	0.53	37.74	I						I						I
I	2.60	24	32	0.53	45.28	I						I						I
I	2.80	22	32	0.67	32.84	I						I						I
I	3.00	20	31	0.73	27.40	I						I						I
I	3.20	17	24	0.47	36.17	I						I						I
I	3.40	12	19	0.47	25.53	I						I						I
I	3.60	16	23	0.47	34.04	I						I						I
I	3.80	22	29	0.47	46.81	I						I						I
I	4.00	21	32	0.73	28.77	I						I						I
I	4.20	23	34	0.73	31.51	I						I						I
I	4.40	21	32	0.73	28.77	I						I						I
I	4.60	22	34	0.80	27.50	I						I						I
I	4.80	24	39	1.00	24.00	I						I						I
I	5.00	22	36	0.93	23.66	I						I						I
I	5.20	20	31	0.73	27.40	I						I						I
I	5.40	21	33	0.80	26.25	I						I						I
I	5.60	18	30	0.80	22.50	I						I						I
I	5.80	17	30	0.87	19.54	I						I						I
I	6.00	11	23	0.80	13.75	I						I						I
I	6.20	14	22	0.53	26.42	I						I						I
I	6.40	15	25	0.67	22.39	I						I						I
I	6.60	13	25	0.80	16.25	I						I						I
I	6.80	12	21	0.60	20.00	I						I						I
I	7.00	13	22	0.60	21.67	I						I						I
I	7.20	11	20	0.60	18.33	I						I						I
I	7.40	11	21	0.67	16.42	I						I						I
I	7.60	12	22	0.67	17.91	I						I						I
I	7.80	13	23	0.67	19.40	I						I						I
I	8.00	17	21	0.60	20.00	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dn/cm
 QC = RESISTENZA SPECIFICA ALLA PUNTA dn/cm X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dn/cm

LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIe LIMOSE
 S=SABBE SA=SABBE E CIOTOLE AC=TERRENO ABBINATO

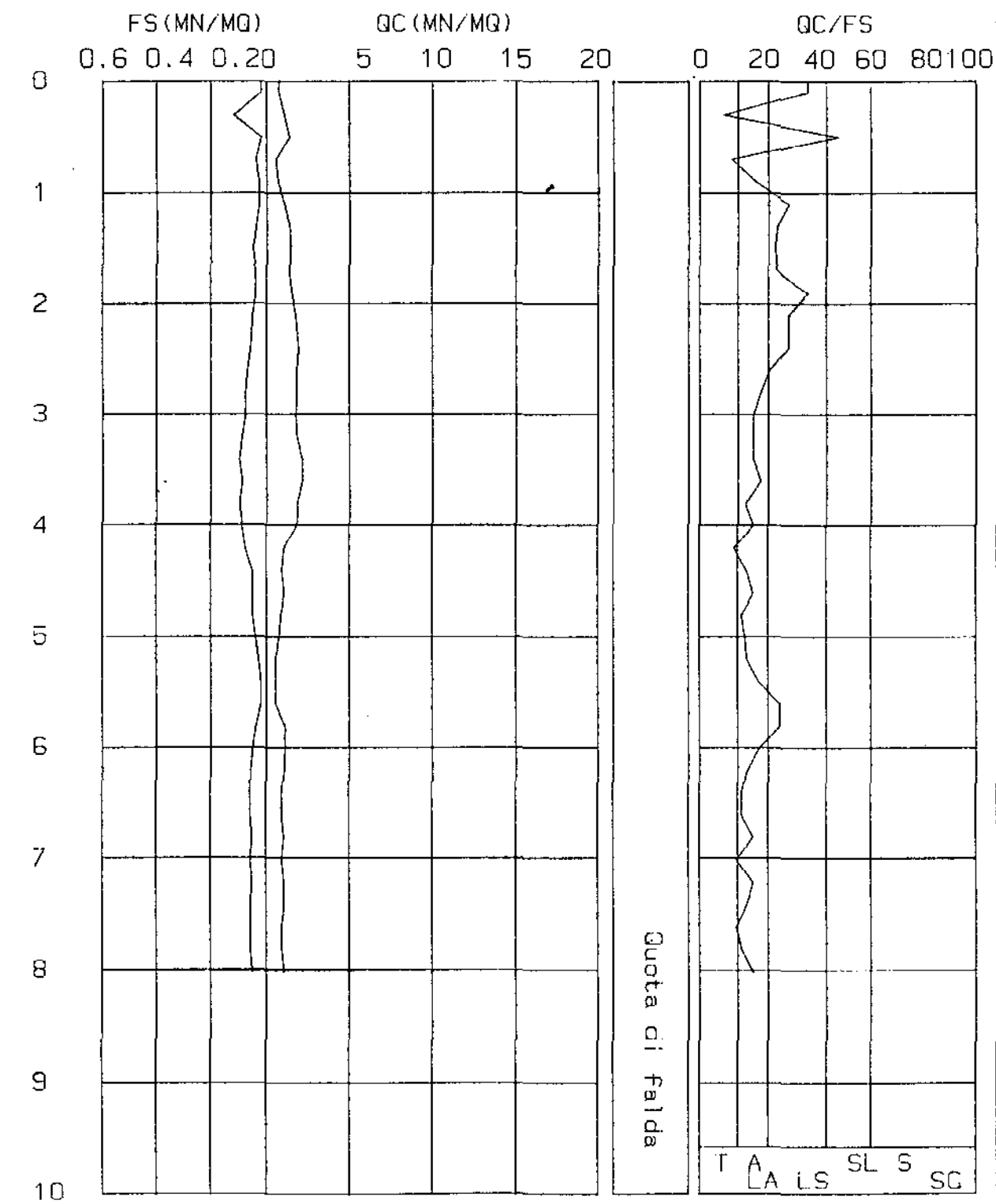


PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 768-AA					CANTIERE : COSTRUZIONE FABBRICATO AD USO COMMERCIALE E UFFICI													
1	PROF.	QC	RL	FS.	X	1	PROF.	QC	RL	FS.	X	1	PROF.	QC	RL	FS.	X	1
1	0.00	8	11	0.20	40.00	1						1						1
1	0.20	8	11	0.20	40.00	1						1						1
1	0.40	11	29	1.20	9.17	1						1						1
1	0.60	14	18	0.27	51.85	1						1						1
1	0.80	6	13	0.47	12.77	1						1						1
1	1.00	7	12	0.33	21.21	1						1						1
1	1.20	11	16	0.33	33.33	1						1						1
1	1.40	14	21	0.47	29.79	1						1						1
1	1.60	15	23	0.53	28.30	1						1						1
1	1.80	14	21	0.47	29.79	1						1						1
1	2.00	16	22	0.40	40.00	1						1						1
1	2.20	18	26	0.53	33.96	1						1						1
1	2.40	20	29	0.60	33.33	1						1						1
1	2.60	19	30	0.73	26.03	1						1						1
1	2.80	19	31	0.80	23.75	1						1						1
1	3.00	18	31	0.87	20.69	1						1						1
1	3.20	19	33	0.93	20.43	1						1						1
1	3.40	22	38	1.07	20.56	1						1						1
1	3.60	22	36	0.93	23.66	1						1						1
1	3.80	19	35	1.07	17.76	1						1						1
1	4.00	19	33	0.93	20.43	1						1						1
1	4.20	11	23	0.80	13.75	1						1						1
1	4.40	10	18	0.53	18.87	1						1						1
1	4.60	11	19	0.53	20.75	1						1						1
1	4.80	9	17	0.53	16.98	1						1						1
1	5.00	8	15	0.47	17.02	1						1						1
1	5.20	6	11	0.33	18.18	1						1						1
1	5.40	6	10	0.27	22.22	1						1						1
1	5.60	6	9	0.20	30.00	1						1						1
1	5.80	12	18	0.40	30.00	1						1						1
1	6.00	12	20	0.53	22.64	1						1						1
1	6.20	11	20	0.60	18.33	1						1						1
1	6.40	10	19	0.60	16.67	1						1						1
1	6.60	10	19	0.60	16.67	1						1						1
1	6.80	11	19	0.53	20.75	1						1						1
1	7.00	10	20	0.67	14.93	1						1						1
1	7.20	11	19	0.53	20.75	1						1						1
1	7.40	11	20	0.60	18.33	1						1						1
1	7.60	10	20	0.67	14.93	1						1						1
1	7.80	10	19	0.60	16.67	1						1						1
1	8.00	11	19	0.53	20.75	1						1						1

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE GN, FS = RESISTENZA SPECIFICA AL MANICO (10 dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=FERRENO AGRICOLA

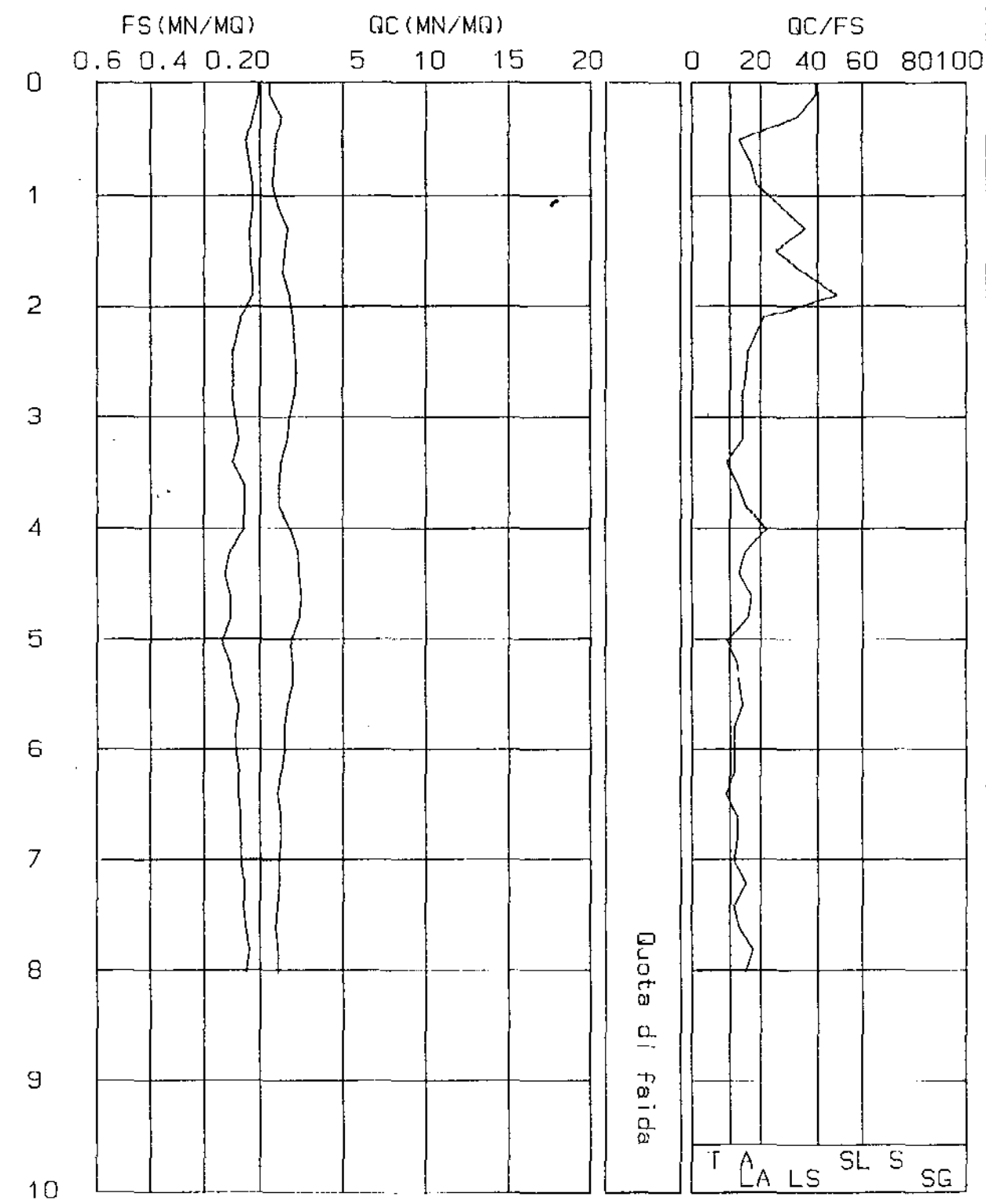


PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 769-AA					CANTIERE : COSTRUZIONE FABBRICATO AD USO COMMERCIALE E UFFICI													
I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I
I	0.00	6	8	0.13	46.15	I						I						I
I	0.20	6	8	0.13	46.15	I						I						I
I	0.40	13	18	0.33	39.39	I						I						I
I	0.60	10	18	0.53	18.87	I						I						I
I	0.80	9	15	0.40	22.50	I						I						I
I	1.00	8	13	0.33	24.24	I						I						I
I	1.20	11	16	0.33	33.33	I						I						I
I	1.40	17	23	0.40	42.50	I						I						I
I	1.60	15	22	0.47	31.91	I						I						I
I	1.80	14	19	0.33	42.42	I						I						I
I	2.00	18	23	0.33	54.55	I						I						I
I	2.20	20	31	0.73	27.40	I						I						I
I	2.40	21	36	1.00	21.00	I						I						I
I	2.60	22	38	1.07	20.56	I						I						I
I	2.80	21	37	1.07	19.63	I						I						I
I	3.00	18	32	0.93	19.35	I						I						I
I	3.20	17	30	0.87	19.54	I						I						I
I	3.40	13	28	1.00	13.00	I						I						I
I	3.60	12	22	0.67	17.91	I						I						I
I	3.80	12	21	0.60	20.00	I						I						I
I	4.00	19	29	0.67	28.36	I						I						I
I	4.20	23	40	1.13	20.35	I						I						I
I	4.40	24	44	1.33	18.05	I						I						I
I	4.60	25	42	1.13	22.12	I						I						I
I	4.80	24	41	1.13	21.24	I						I						I
I	5.00	19	40	1.40	13.57	I						I						I
I	5.20	20	37	1.13	17.70	I						I						I
I	5.40	20	36	1.07	18.69	I						I						I
I	5.60	17	30	0.87	19.54	I						I						I
I	5.80	15	29	0.93	16.13	I						I						I
I	6.00	15	29	0.93	16.13	I						I						I
I	6.20	13	25	0.80	16.25	I						I						I
I	6.40	11	23	0.80	13.75	I						I						I
I	6.60	13	24	0.73	17.81	I						I						I
I	6.80	13	24	0.73	17.81	I						I						I
I	7.00	12	23	0.73	16.44	I						I						I
I	7.20	12	21	0.60	20.00	I						I						I
I	7.40	11	21	0.67	16.42	I						I						I
I	7.60	10	18	0.53	18.87	I						I						I
I	7.80	11	18	0.47	23.40	I						I						I
I	8.00	11	19	0.53	20.75	I						I						I

LEGENDA :	PROF. = PROFONDITA' DI INFISSIONE	CM.	FS = RESISTENZA SPECIFICA AL MANICOTTO	DN/CMQ
	QC = RESISTENZA SPECIFICA ALLA PUNTA	DN/CMQ	X = RAPPORTO QC/FS	?
	RL = RESISTENZA LATERALE TOTALE	DN/CMQ		

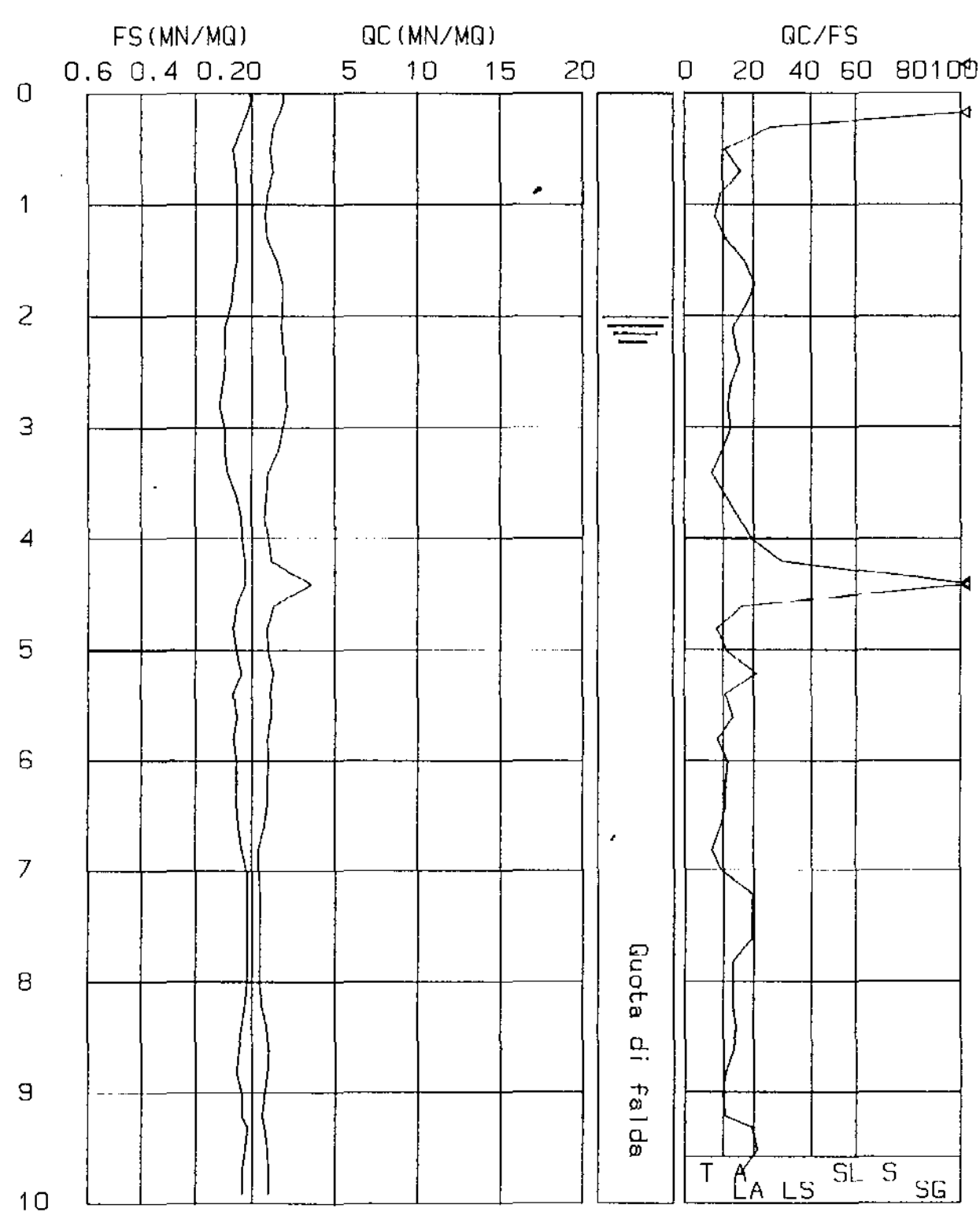
LITOLOGIA :	I=TORRE	A=ARGILLA	LA=LIMI ARGILLOSI	LS=LIMI SABBIOSI	SL=SABBIE LIMOSE
	S=SABBIE	SG=SABBIE E GHIAIA	AG=TERRENO AGRICOLA		



CERTIFICATO N.RO : 719-AA					CANTIERE : AMPLIAMENTO DI FABBRICATO CIVILE ABITAZIONE												
PROF.	QC	RL	FS	X	1	PROF.	QC	RL	FS	X	1	PROF.	QC	RL	FS	X	1
0.00	19	21	0.13	146.15	I	10.00	10	17	0.47	21.28	I						
0.20	19	21	0.13	146.15	I												
0.40	13	19	0.40	32.50	I												
0.60	11	22	0.73	15.07	I												
0.80	13	22	0.60	21.67	I												
1.00	9	19	0.67	13.43	I												
1.20	8	18	0.67	11.94	I												
1.40	9	18	0.60	15.00	I												
1.60	15	25	0.67	22.39	I												
1.80	19	30	0.73	26.03	I												
2.00	19	31	0.80	23.75	I												
2.20	18	33	1.00	18.00	I												
2.40	20	35	1.00	20.00	I												
2.60	20	37	1.13	17.70	I												
2.80	21	40	1.27	16.54	I												
3.00	19	35	1.07	17.76	I												
3.20	16	32	1.07	14.95	I												
3.40	10	24	0.93	10.75	I												
3.60	9	18	0.60	15.00	I												
3.80	8	14	0.40	20.00	I												
4.00	10	16	0.40	25.00	I												
4.20	12	17	0.33	36.36	I												
4.40	35	40	0.33	106.06	I												
4.60	13	22	0.60	21.67	I												
4.80	9	20	0.73	12.33	I												
5.00	10	19	0.60	16.67	I												
5.20	13	20	0.47	27.66	I												
5.40	11	22	0.73	15.07	I												
5.60	11	20	0.60	18.33	I												
5.80	9	20	0.73	12.33	I												
6.00	10	19	0.60	16.67	I												
6.20	9	18	0.60	15.00	I												
6.40	9	18	0.60	15.00	I												
6.60	7	15	0.53	13.21	I												
6.80	4	10	0.40	10.00	I												
7.00	4	8	0.27	14.81	I												
7.20	5	8	0.20	25.00	I												
7.40	5	8	0.20	25.00	I												
7.60	5	8	0.20	25.00	I												
7.80	5	9	0.27	18.52	I												
8.00	5	9	0.27	18.52	I												
8.20	6	11	0.33	18.18	I												
8.40	9	16	0.47	19.15	I												
8.60	10	18	0.53	18.87	I												
8.80	9	18	0.60	15.00	I												
9.00	7	14	0.47	14.89	I												
9.20	6	12	0.40	15.00	I												
9.40	7	11	0.27	25.93	I												
9.60	9	14	0.33	27.27	I												
9.80	10	17	0.47	21.28	I												

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cmq
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cmq X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cmq

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SS=SABBIE F. CHIARA AG=TERRENO AGRICOLA

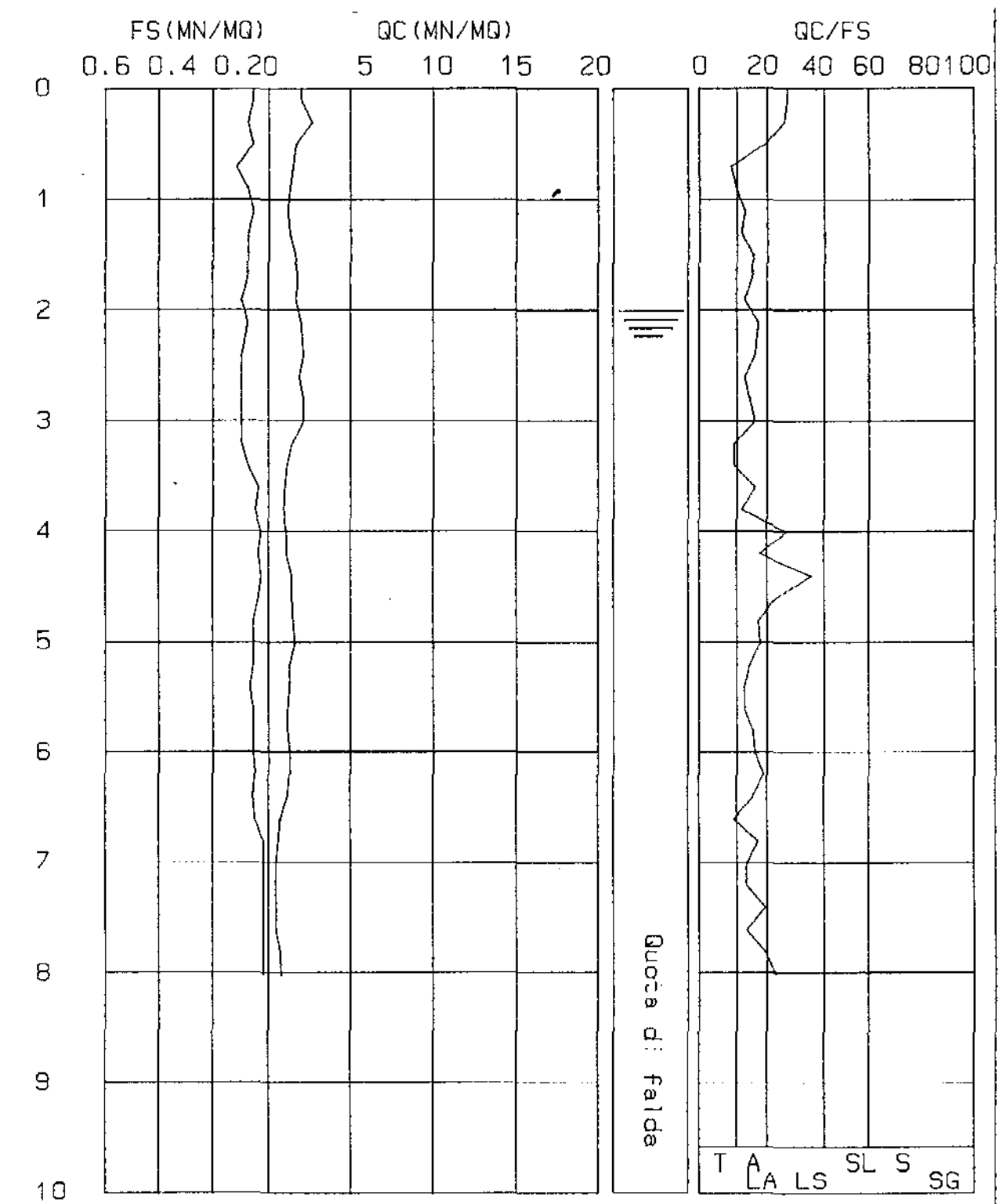


CERTIFICATO N.RO : 720-AA CANTIERE : AMPLIAMENTO DI FABBRICATO CIVILE ABITAZIONE 16

I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I
I	0.00	20	29	0.60	33.33	I						I						I
I	0.20	20	29	0.60	33.33	I						I						I
I	0.40	26	38	0.80	32.50	I						I						I
I	0.60	17	27	0.67	25.37	I						I						I
I	0.80	15	33	1.20	12.50	I						I						I
I	1.00	13	26	0.87	14.94	I						I						I
I	1.20	12	22	0.67	17.91	I						I						I
I	1.40	13	25	0.80	16.25	I						I						I
I	1.60	16	28	0.80	20.00	I						I						I
I	1.80	18	31	0.87	20.69	I						I						I
I	2.00	17	32	1.00	17.00	I						I						I
I	2.20	20	33	0.87	22.99	I						I						I
I	2.40	21	36	1.00	21.00	I						I						I
I	2.60	19	35	1.07	17.76	I						I						I
I	2.80	21	37	1.07	19.63	I						I						I
I	3.00	21	36	1.00	21.00	I						I						I
I	3.20	14	30	1.07	13.08	I						I						I
I	3.40	11	23	0.80	13.75	I						I						I
I	3.60	10	17	0.47	21.28	I						I						I
I	3.80	9	17	0.53	16.98	I						I						I
I	4.00	11	16	0.33	33.33	I						I						I
I	4.20	11	18	0.47	23.40	I						I						I
I	4.40	14	19	0.33	42.42	I						I						I
I	4.60	14	21	0.47	29.79	I						I						I
I	4.80	15	25	0.67	22.39	I						I						I
I	5.00	16	26	0.67	23.88	I						I						I
I	5.20	13	23	0.67	19.40	I						I						I
I	5.40	13	24	0.73	17.81	I						I						I
I	5.60	12	22	0.67	17.91	I						I						I
I	5.80	12	21	0.60	20.00	I						I						I
I	6.00	13	22	0.60	21.67	I						I						I
I	6.20	13	21	0.53	24.53	I						I						I
I	6.40	12	21	0.60	20.00	I						I						I
I	6.60	7	15	0.53	13.21	I						I						I
I	6.80	6	10	0.27	22.22	I						I						I
I	7.00	5	9	0.27	18.52	I						I						I
I	7.20	5	9	0.27	18.52	I						I						I
I	7.40	5	8	0.20	25.00	I						I						I
I	7.60	5	9	0.27	18.52	I						I						I
I	7.80	7	11	0.27	25.93	I						I						I
I	8.00	8	12	0.27	29.63	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFESSIONE CH. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : I=FORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO



dal p.c. a -60/1,00 mt.

Terreno vegetale

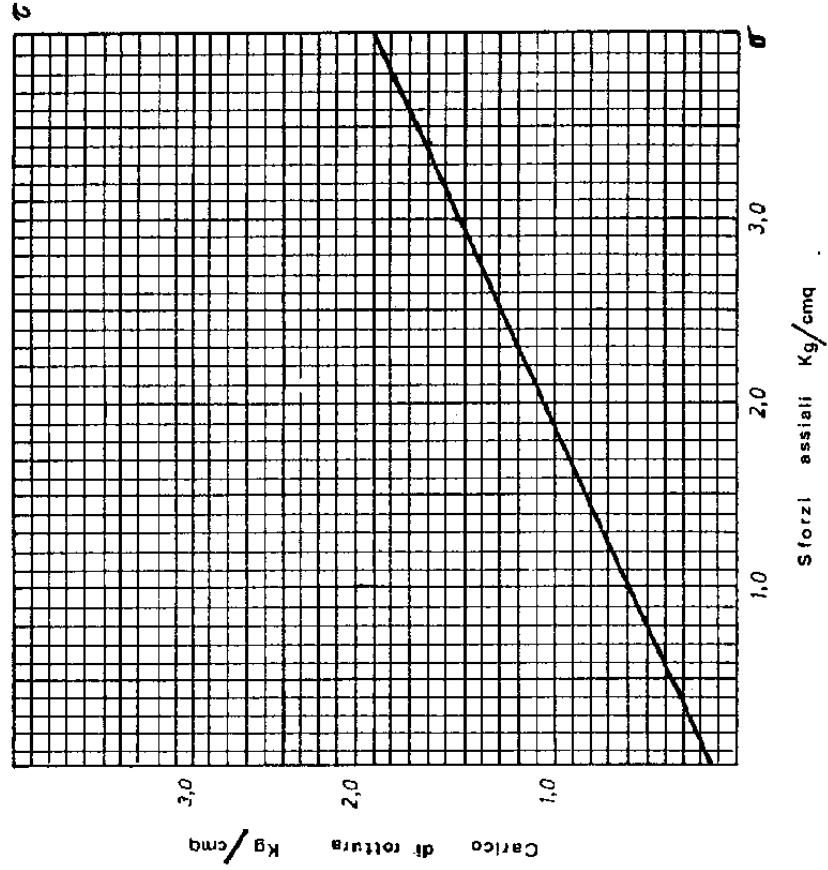
da -1,00 a -3,00

Limo sabbioso con interstrati argillosi

da -3,00 a -10,00

sabbia addensata.

Sond.	N° 2	Densità'		τ	σ	$u\%$	φ	25°
Camp.		Asesstam.		0,62	1		c	0,15 Kg/cm ²
Posiz. Pral.	-1,50m			1,04	2		$u\%$	28%
Peso Spec.	1,89 kg/dm ³			1,51	3			
Frez. Int.				Condizioni di prova				Taglio rapido non
Prova Penetr.				drenato non consolidato/				
E.L.L.	kg/cm ²			Velocità di prova 1,27 mm/min.				

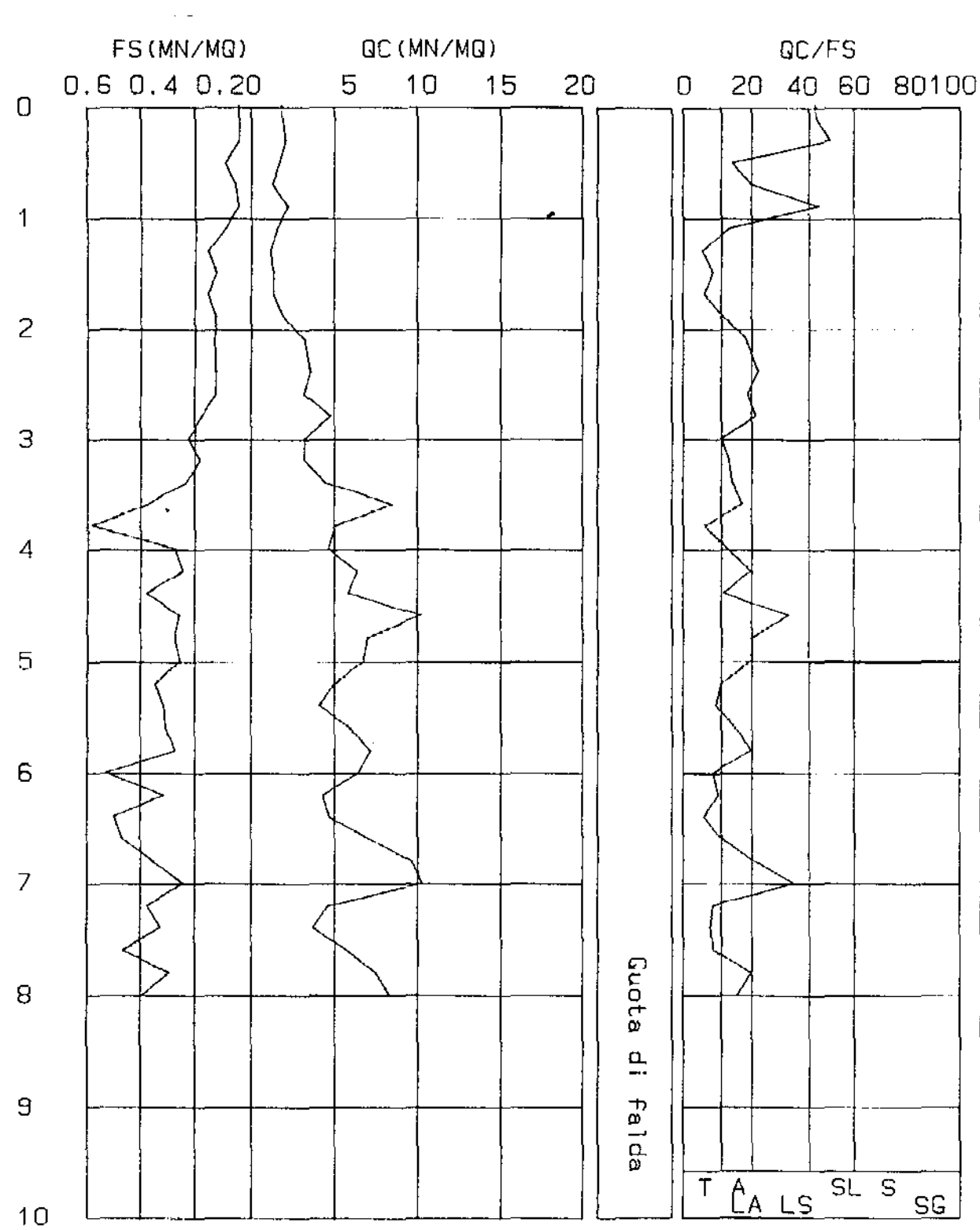


PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 711-AA						CANTIERE : EDIFICIO PER ABITAZIONE E FONDI												
PROF.	QC	RL	FS	X		PROF.	QC	RL	FS	X		PROF.	QC	RL	FS	X		
I	0.00	20	26	0.40	50.00	I						I						I
I	0.20	20	26	0.40	50.00	I						I						I
I	0.40	22	28	0.40	55.00	I						I						I
I	0.60	18	32	0.93	19.35	I						I						I
I	0.80	14	22	0.53	26.42	I						I						I
I	1.00	24	31	0.47	51.06	I						I						I
I	1.20	17	31	0.93	18.28	I						I						I
I	1.40	13	36	1.53	8.50	I						I						I
I	1.60	15	33	1.20	12.50	I						I						I
I	1.80	15	38	1.53	9.80	I						I						I
I	2.00	21	40	1.27	16.54	I						I						I
I	2.20	33	53	1.33	24.81	I						I						I
I	2.40	37	56	1.27	29.13	I						I						I
I	2.60	33	52	1.27	25.98	I						I						I
I	2.80	49	75	1.73	28.32	I						I						I
I	3.00	33	66	2.20	15.00	I						I						I
I	3.20	33	60	1.80	18.33	I						I						I
I	3.40	45	80	2.33	19.31	I						I						I
I	3.60	85	140	3.67	23.16	I						I						I
I	3.80	51	135	5.60	9.11	I						I						I
I	4.00	47	87	2.67	17.60	I						I						I
I	4.20	64	100	2.40	26.67	I						I						I
I	4.40	59	114	3.67	16.08	I						I						I
I	4.60	102	140	2.53	40.32	I						I						I
I	4.80	70	110	2.67	26.22	I						I						I
I	5.00	68	106	2.53	26.88	I						I						I
I	5.20	51	102	3.40	15.00	I						I						I
I	5.40	42	89	3.13	13.42	I						I						I
I	5.60	60	105	3.00	20.00	I						I						I
I	5.80	72	112	2.67	26.97	I						I						I
I	6.00	65	142	5.13	12.67	I						I						I
I	6.20	44	91	3.13	14.06	I						I						I
I	6.40	48	121	4.87	9.86	I						I						I
I	6.60	71	139	4.53	15.67	I						I						I
I	6.80	96	148	3.47	27.67	I						I						I
I	7.00	102	138	2.40	42.50	I						I						I
I	7.20	47	102	3.67	12.81	I						I						I
I	7.40	38	86	3.20	11.87	I						I						I
I	7.60	58	126	4.53	12.80	I						I						I
I	7.80	75	118	2.87	26.13	I						I						I
I	8.00	83	141	3.87	21.45	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

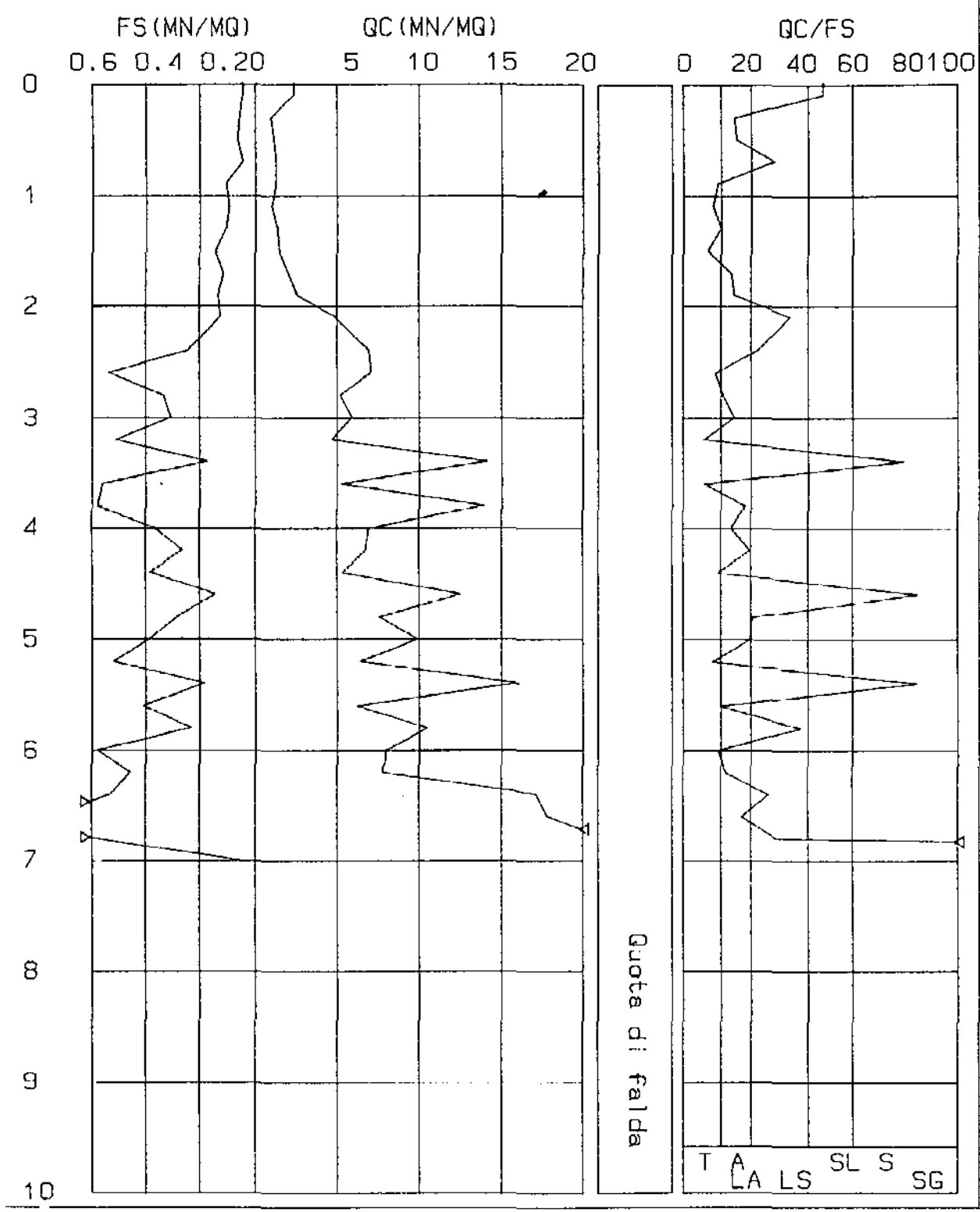


PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 712-AA					CANTIERE : EDIFICIO PER ABITAZIONE E FONDI									
PROF.	QC	RL	FS	X	PROF.	QC	RL	FS	X	PROF.	QC	RL	FS	X
0.00	25	32	0.47	53.19										
0.20	25	32	0.47	53.19										
0.40	11	19	0.53	20.75										
0.60	13	22	0.60	21.67										
0.80	14	20	0.40	35.00										
1.00	14	29	1.00	14.00										
1.20	12	26	0.93	12.90										
1.40	15	30	1.00	15.00										
1.60	16	38	1.47	10.88										
1.80	22	39	1.13	19.47										
2.00	27	47	1.33	20.30										
2.20	50	68	1.20	41.67										
2.40	70	106	2.40	29.17										
2.60	71	150	5.27	13.47										
2.80	53	102	3.27	16.21										
3.00	60	105	3.00	20.00										
3.20	48	123	5.00	9.60										
3.40	140	165	1.67	83.83										
3.60	53	135	5.47	9.69										
3.80	138	223	5.67	24.34										
4.00	70	123	3.53	19.83										
4.20	68	107	2.60	26.15										
4.40	54	111	3.80	14.21										
4.60	124	145	1.40	88.57										
4.80	76	118	2.80	27.14										
5.00	99	156	3.80	26.05										
5.20	65	141	5.07	12.82										
5.40	159	186	1.80	88.33										
5.60	63	123	4.00	15.75										
5.80	105	140	2.33	45.06										
6.00	80	164	5.60	14.29										
6.20	78	145	4.47	17.45										
6.40	170	247	5.13	33.14										
6.60	176	289	7.53	23.37										
6.80	210	297	5.80	36.21										
7.00	236	243	0.47	502.13										

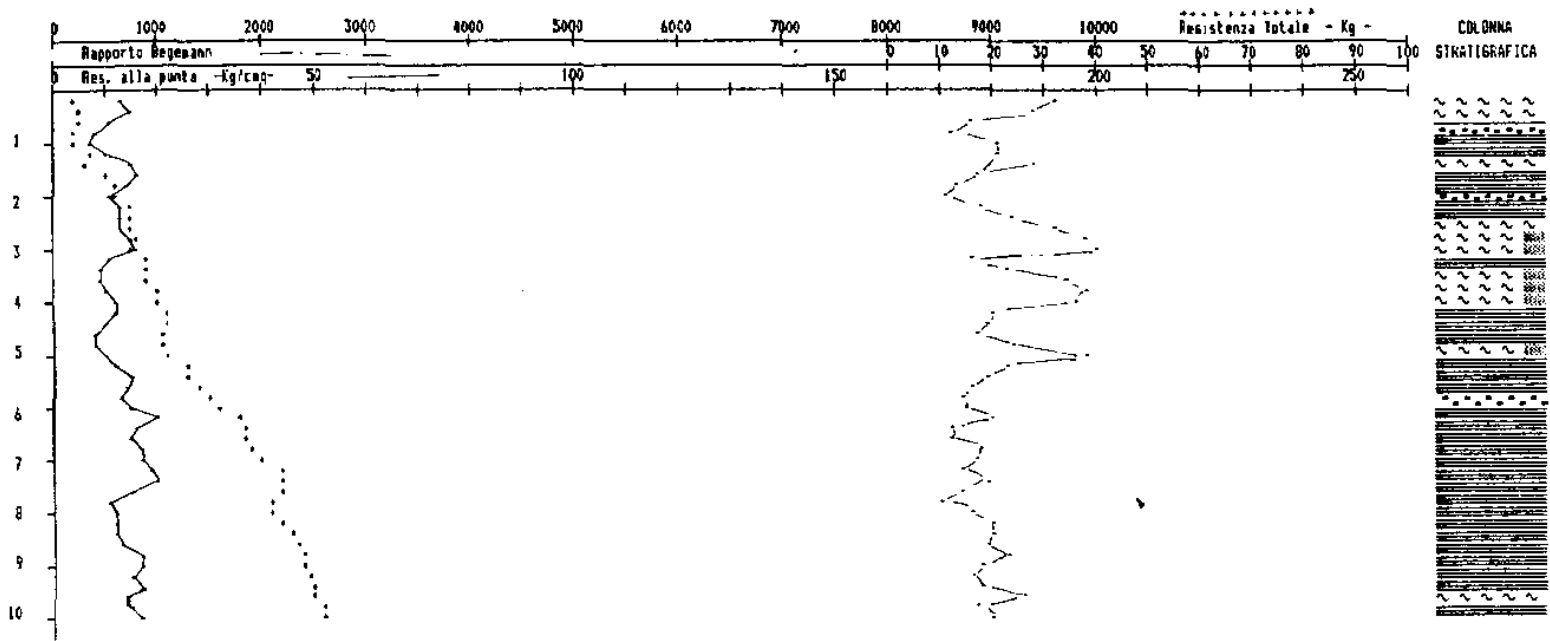
LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOITO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS
 RL = RESISTENZA LATERALE TOTALE dN/cm²

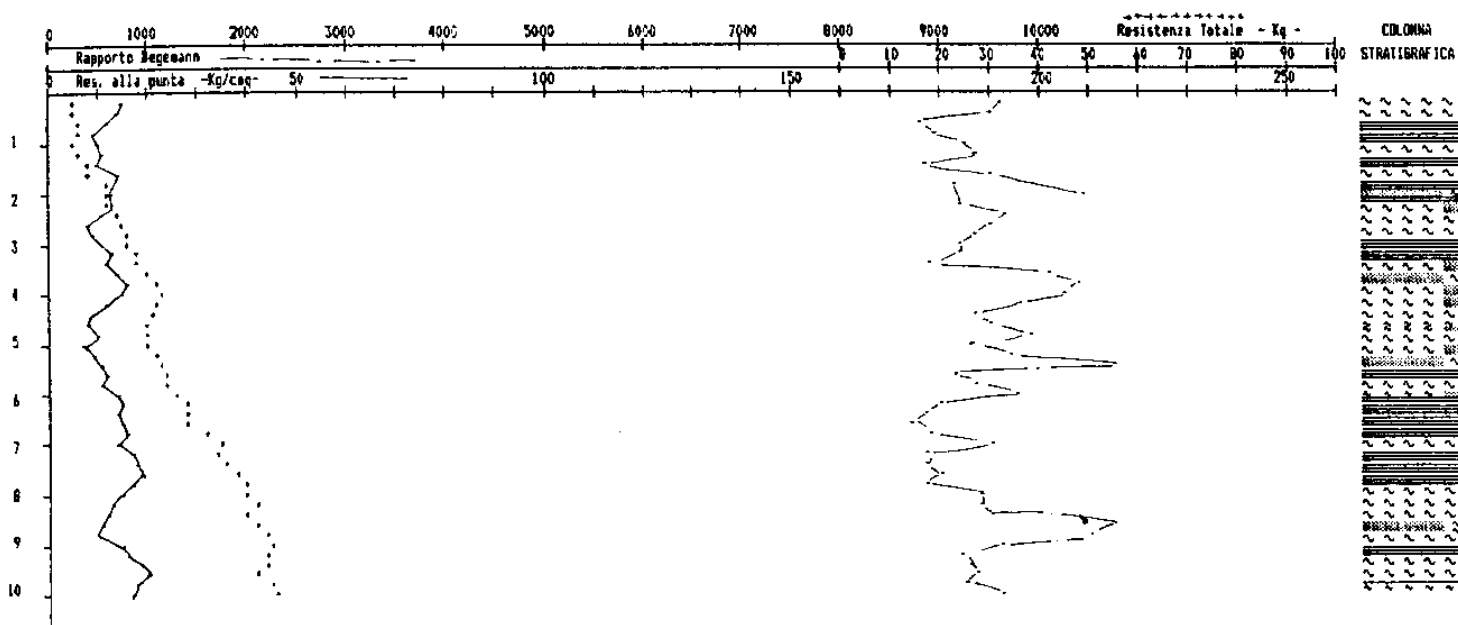
LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

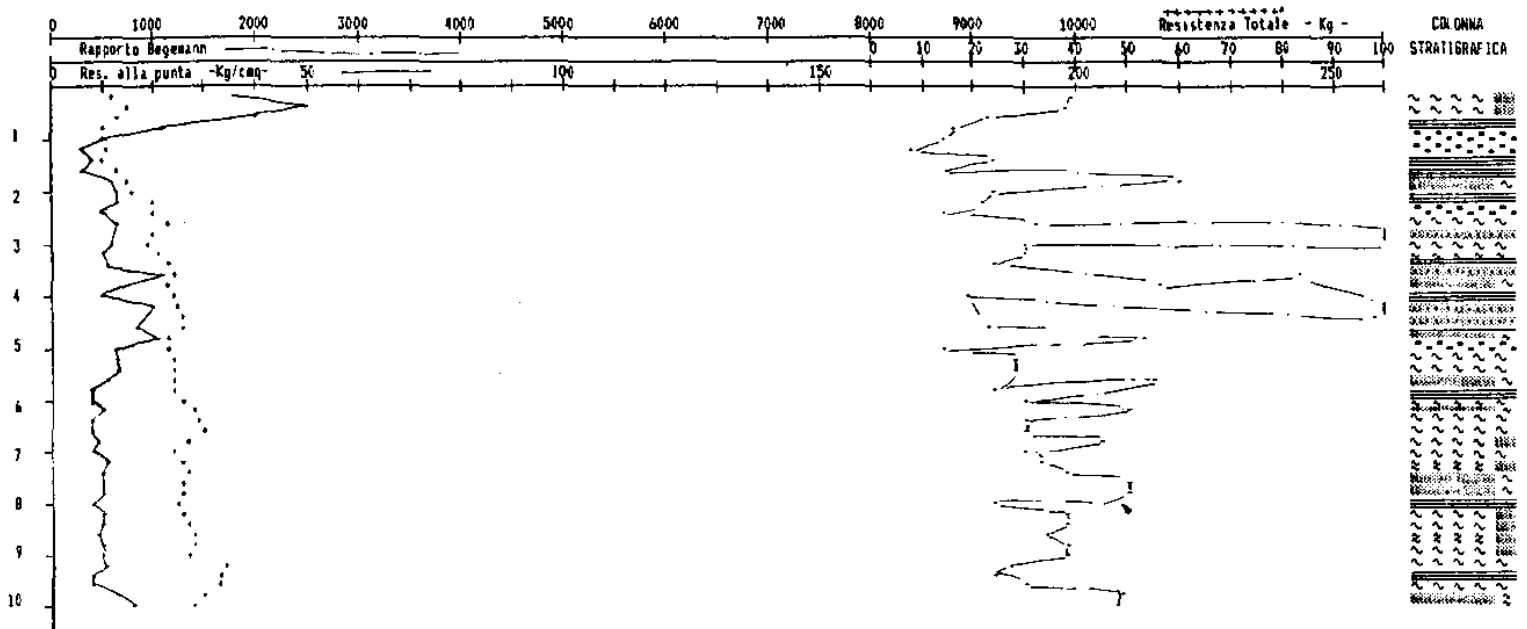


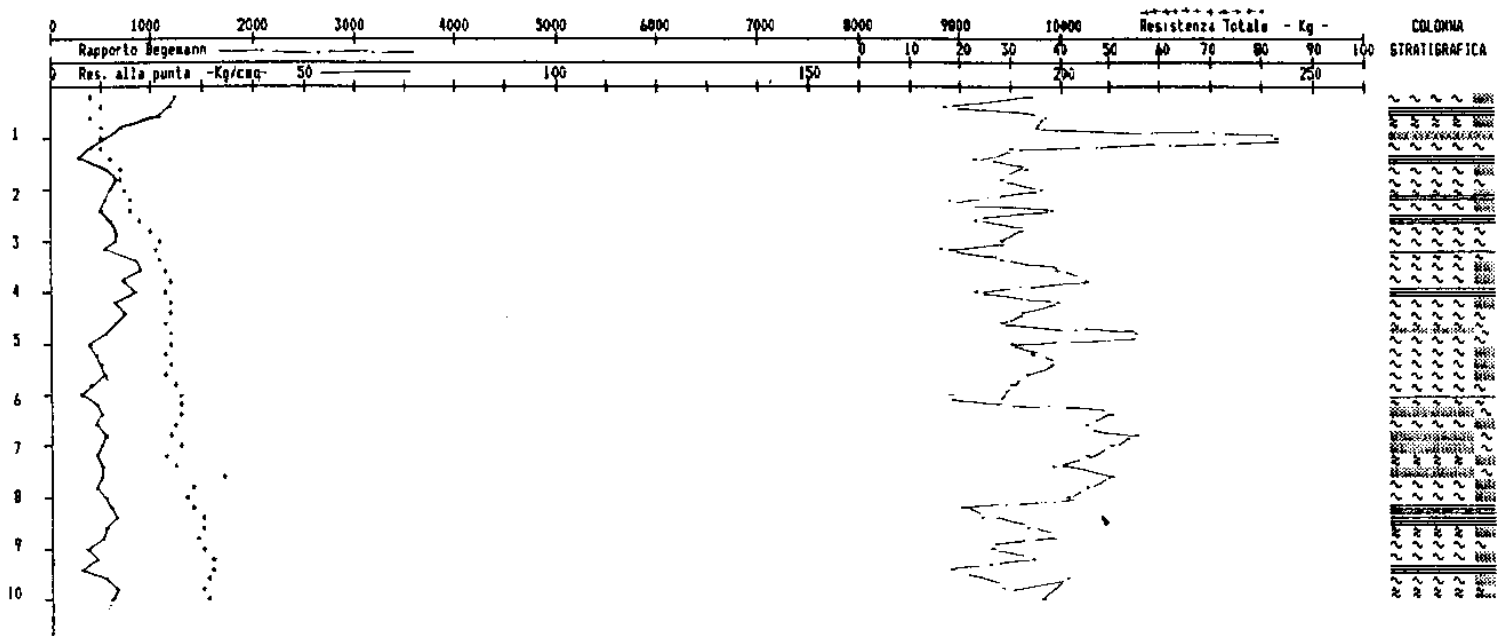
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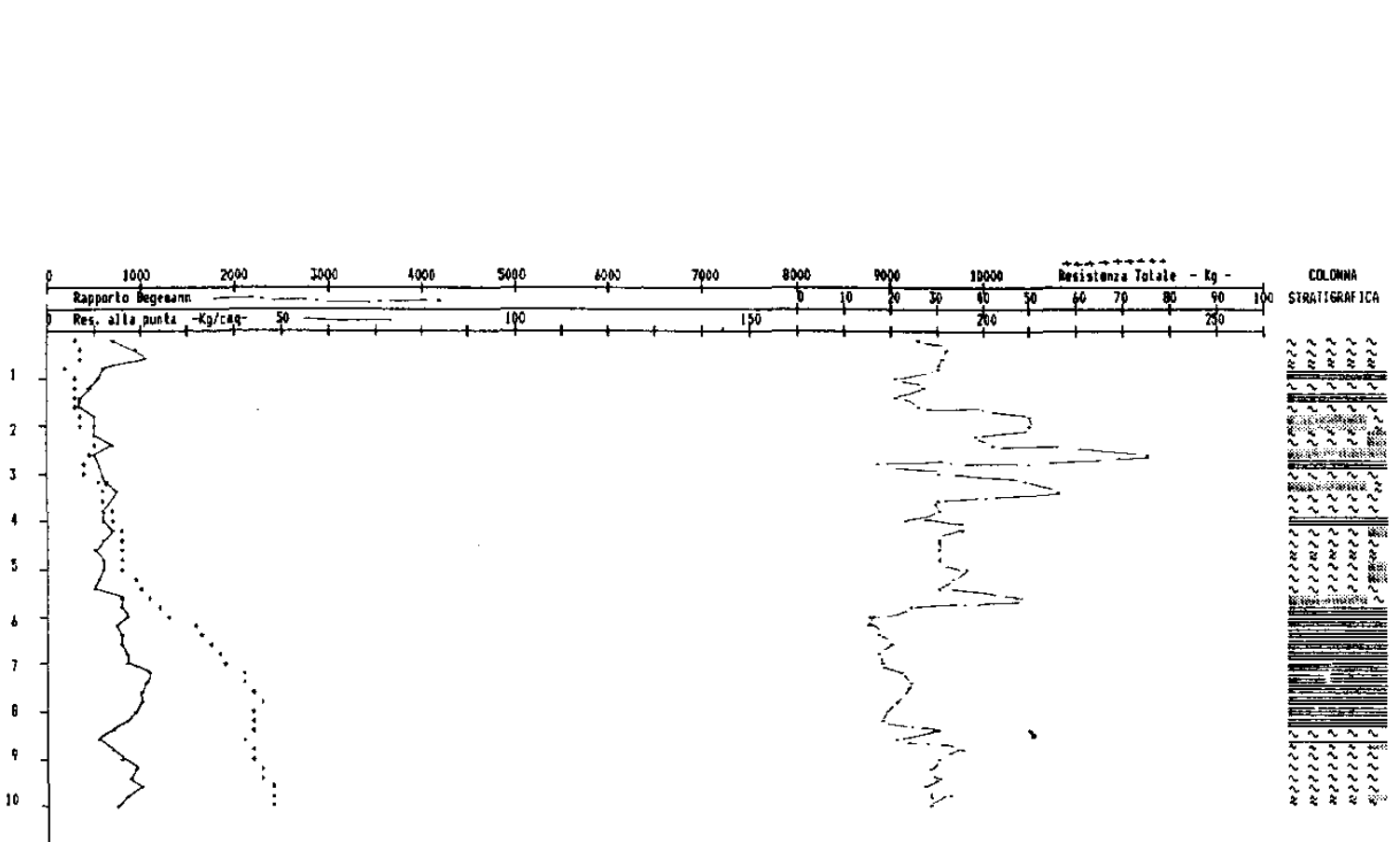
T A LA LS SL S SG

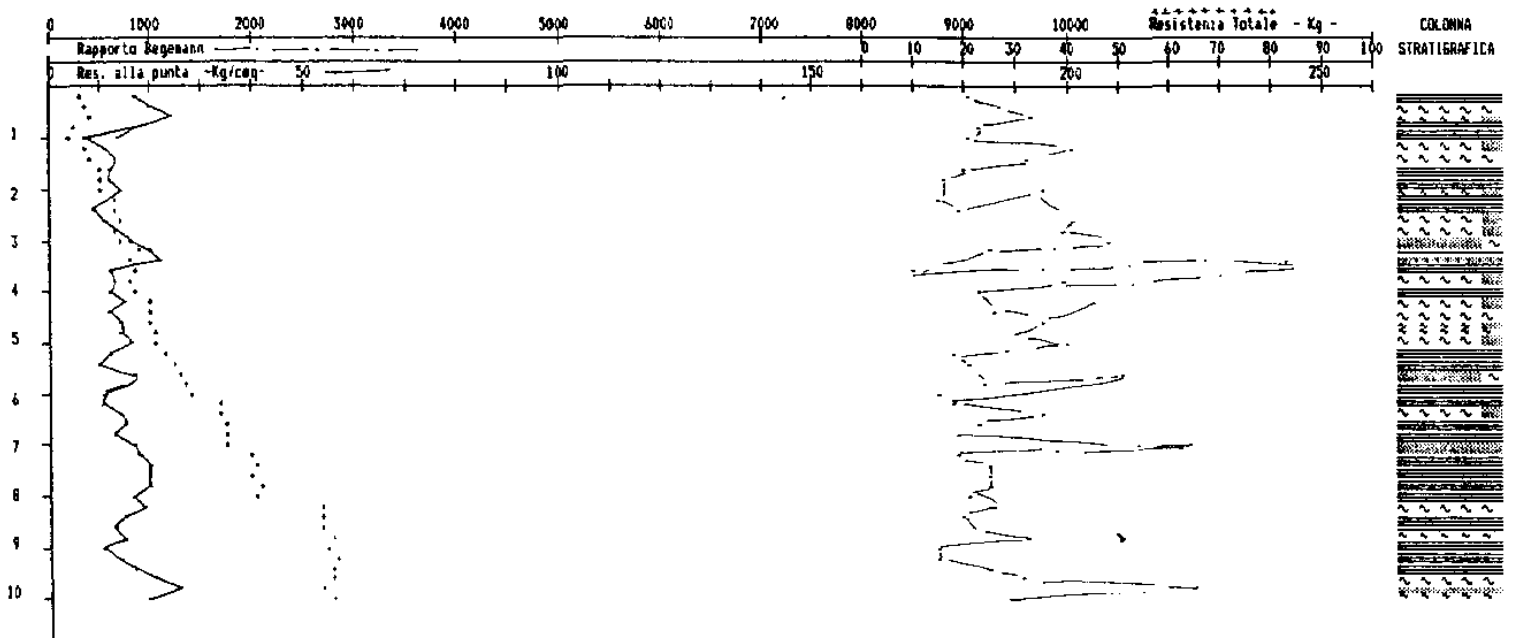


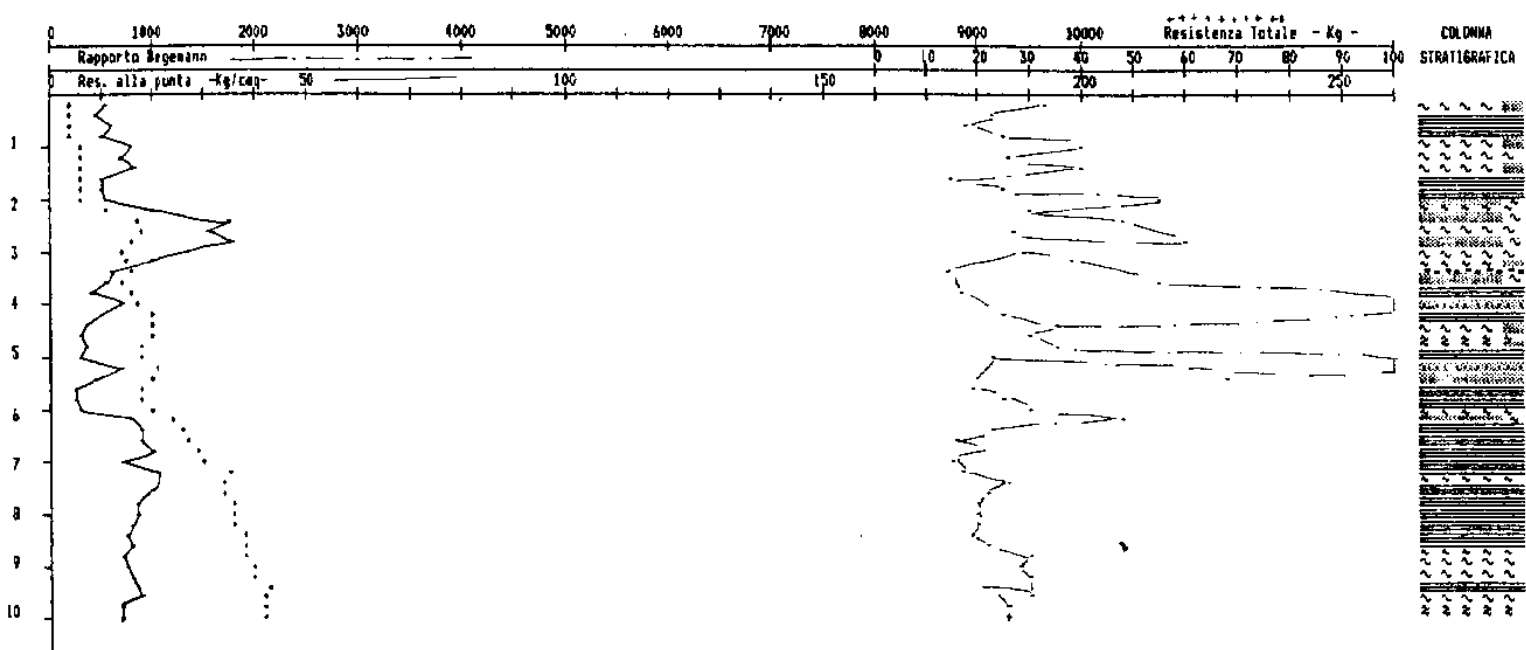


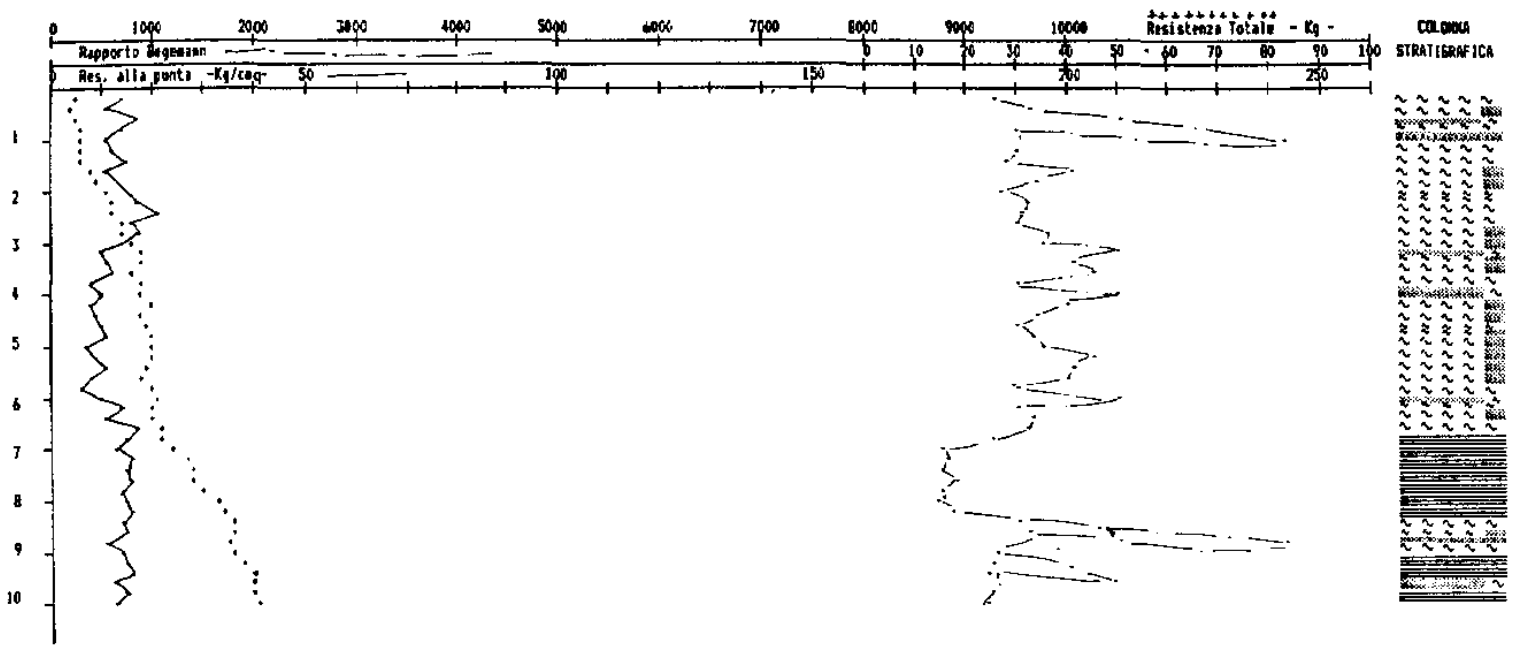








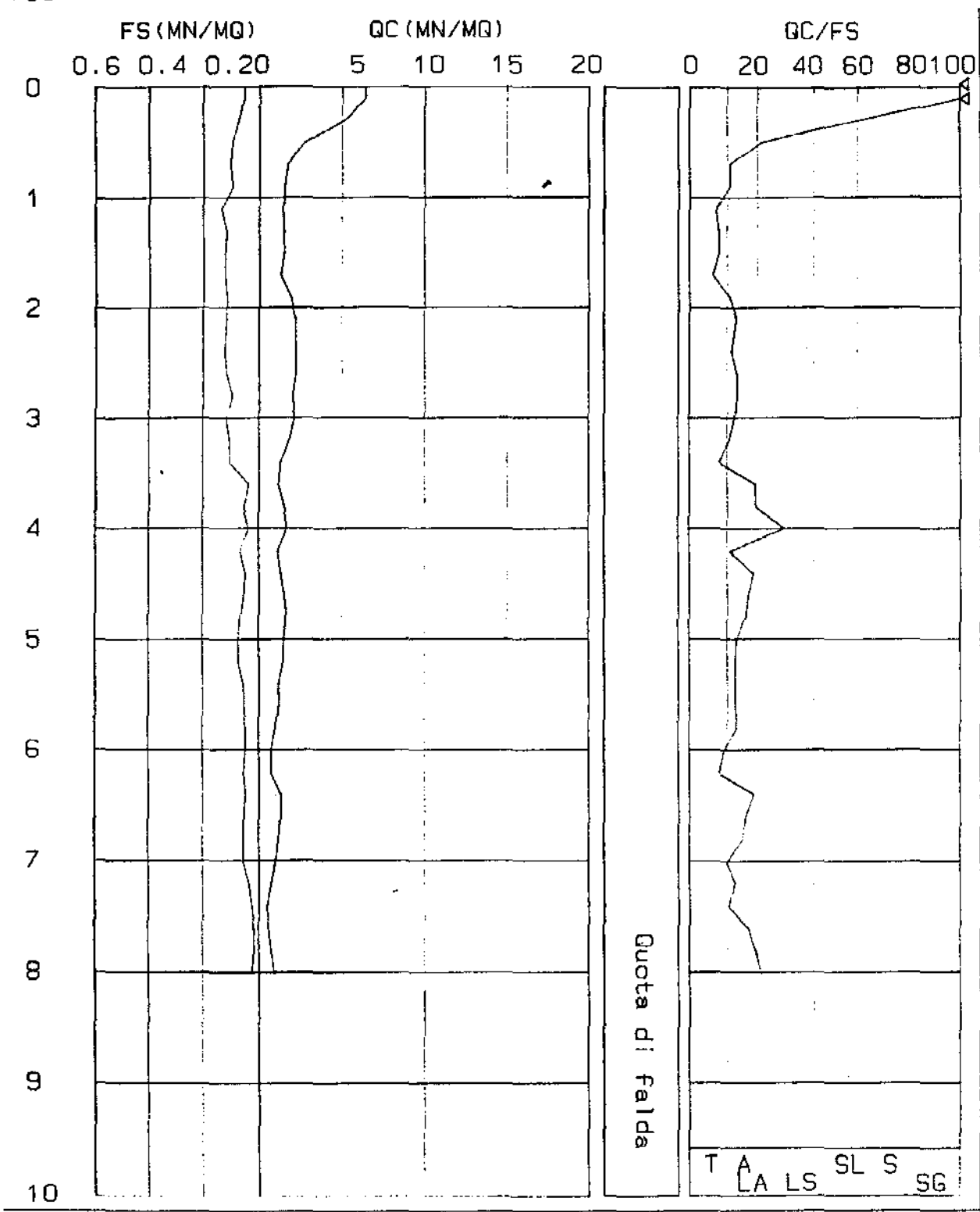




CERTIFICATO N.RO : 739-AA						CANTIERE : COSTRUZIONE DI FABBRICATO PER CIVILE ABITAZIONE												
I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I
I	0.00	63	72	0.60	105.00	I						I						I
I	0.20	63	72	0.60	105.00	I						I						I
I	0.40	51	63	0.80	63.75	I						I						I
I	0.60	27	42	1.00	27.00	I						I						I
I	0.80	17	34	1.13	15.04	I						I						I
I	1.00	15	30	1.00	15.00	I						I						I
I	1.20	14	35	1.40	10.00	I						I						I
I	1.40	15	34	1.27	11.81	I						I						I
I	1.60	15	35	1.33	11.28	I						I						I
I	1.80	13	33	1.33	9.77	I						I						I
I	2.00	19	37	1.20	15.83	I						I						I
I	2.20	22	40	1.20	18.33	I						I						I
I	2.40	22	42	1.33	16.54	I						I						I
I	2.60	22	40	1.20	18.33	I						I						I
I	2.80	20	36	1.07	18.69	I						I						I
I	3.00	21	39	1.20	17.50	I						I						I
I	3.20	18	35	1.13	15.93	I						I						I
I	3.40	13	30	1.13	11.50	I						I						I
I	3.60	12	19	0.47	25.53	I						I						I
I	3.80	15	24	0.60	25.00	I						I						I
I	4.00	17	24	0.47	36.17	I						I						I
I	4.20	11	22	0.73	15.07	I						I						I
I	4.40	13	21	0.53	24.53	I						I						I
I	4.60	15	25	0.67	22.39	I						I						I
I	4.80	16	27	0.73	21.92	I						I						I
I	5.00	15	27	0.80	18.75	I						I						I
I	5.20	14	26	0.80	17.50	I						I						I
I	5.40	12	22	0.67	17.91	I						I						I
I	5.60	12	22	0.67	17.91	I						I						I
I	5.80	10	18	0.53	18.87	I						I						I
I	6.00	7	15	0.53	13.21	I						I						I
I	6.20	7	16	0.60	11.67	I						I						I
I	6.40	13	21	0.53	24.53	I						I						I
I	6.60	13	22	0.60	21.67	I						I						I
I	6.80	12	21	0.60	20.00	I						I						I
I	7.00	10	20	0.67	14.93	I						I						I
I	7.20	7	13	0.40	17.50	I						I						I
I	7.40	5	10	0.33	15.15	I						I						I
I	7.60	6	10	0.27	22.22	I						I						I
I	7.80	7	11	0.27	25.93	I						I						I
I	8.00	9	14	0.33	27.27	I						I						I

LEGENDA	: PROF.	= PROFONDITA' DI IMMISSIONE	CM.	FS	= RESISTENZA SPECIFICA AL MANICOTTO	dN/cm ²
	QC	= RESISTENZA SPECIFICA ALLA PUNTA	dN/cm ²	X	= RAPPORTO QC/FS	%
	RL	= RESISTENZA LATERALE TOTALE	dN/cm ²			

LITOLOGIA	: T=TORBE	A=ARGILLA	LA=LIMI ARGILLOSI	(S=LIMI SABBIOSI)	SL=SABBIE LIMOSE
	S=SABBIE	SG=SABBIE E GHIAIA	AG=TERRENO AGRICOLO		



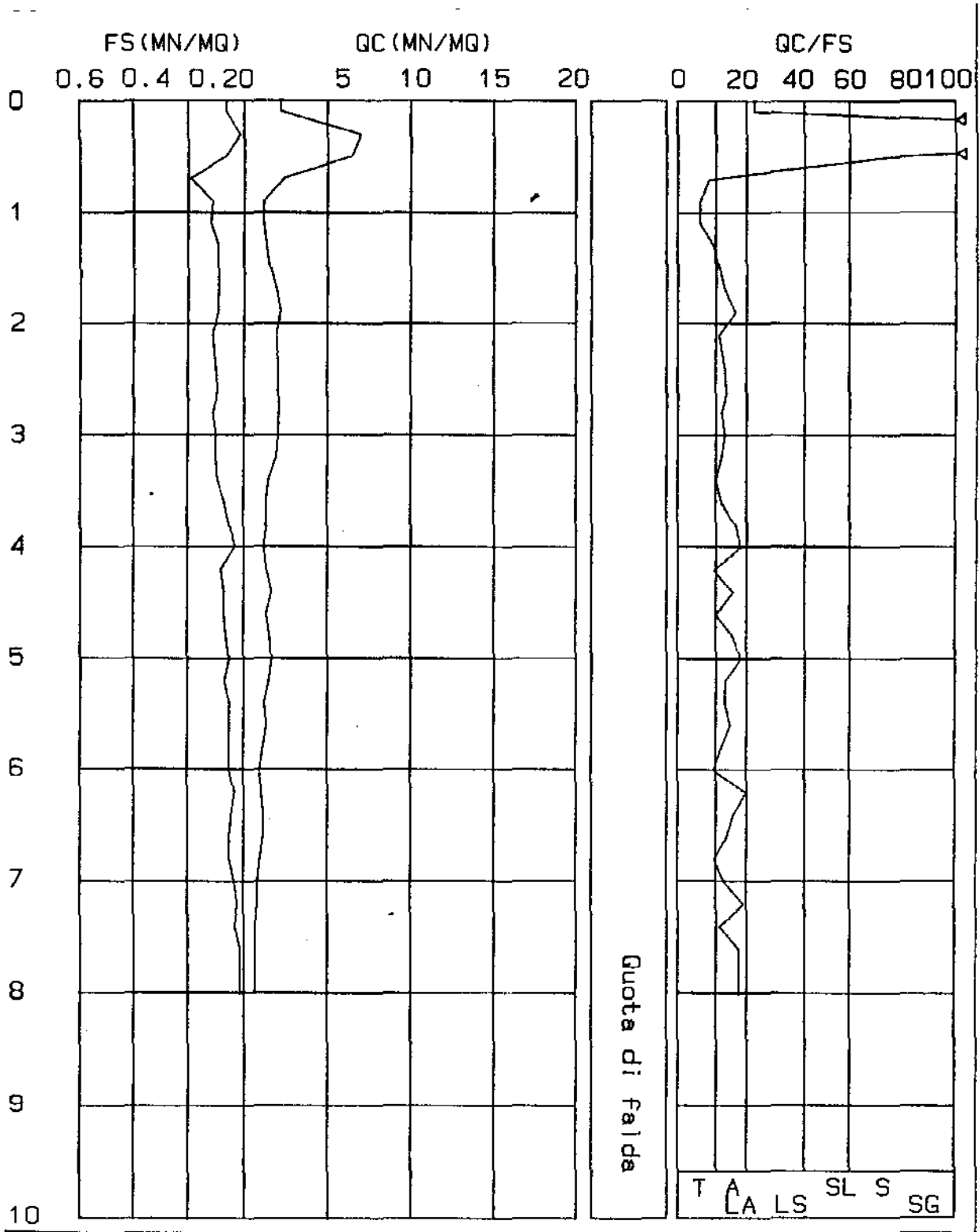
CERTIFICATO N.RO : 740-AA

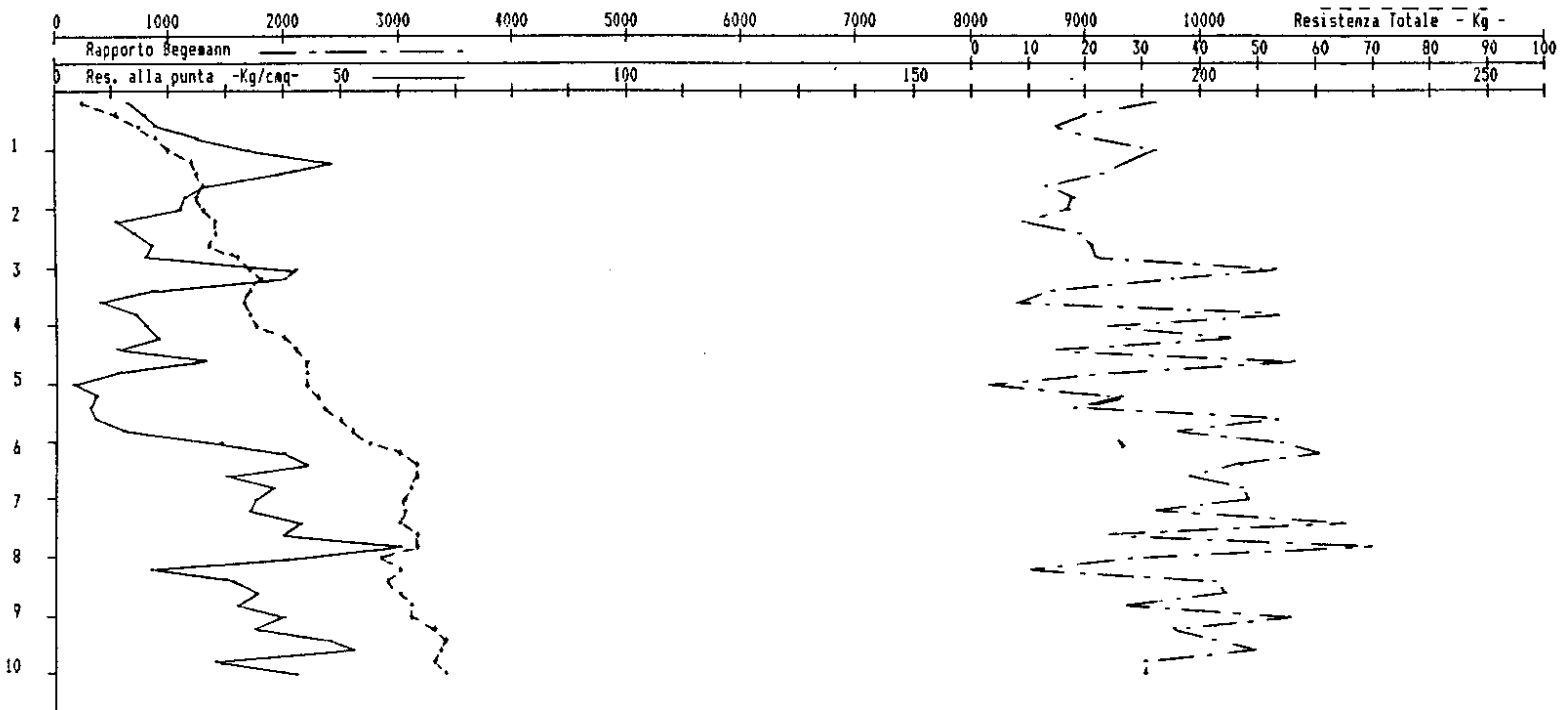
CANTIERE : COSTRUZIONE DI FABBRICATO PER CIVILE ABITAZIONE

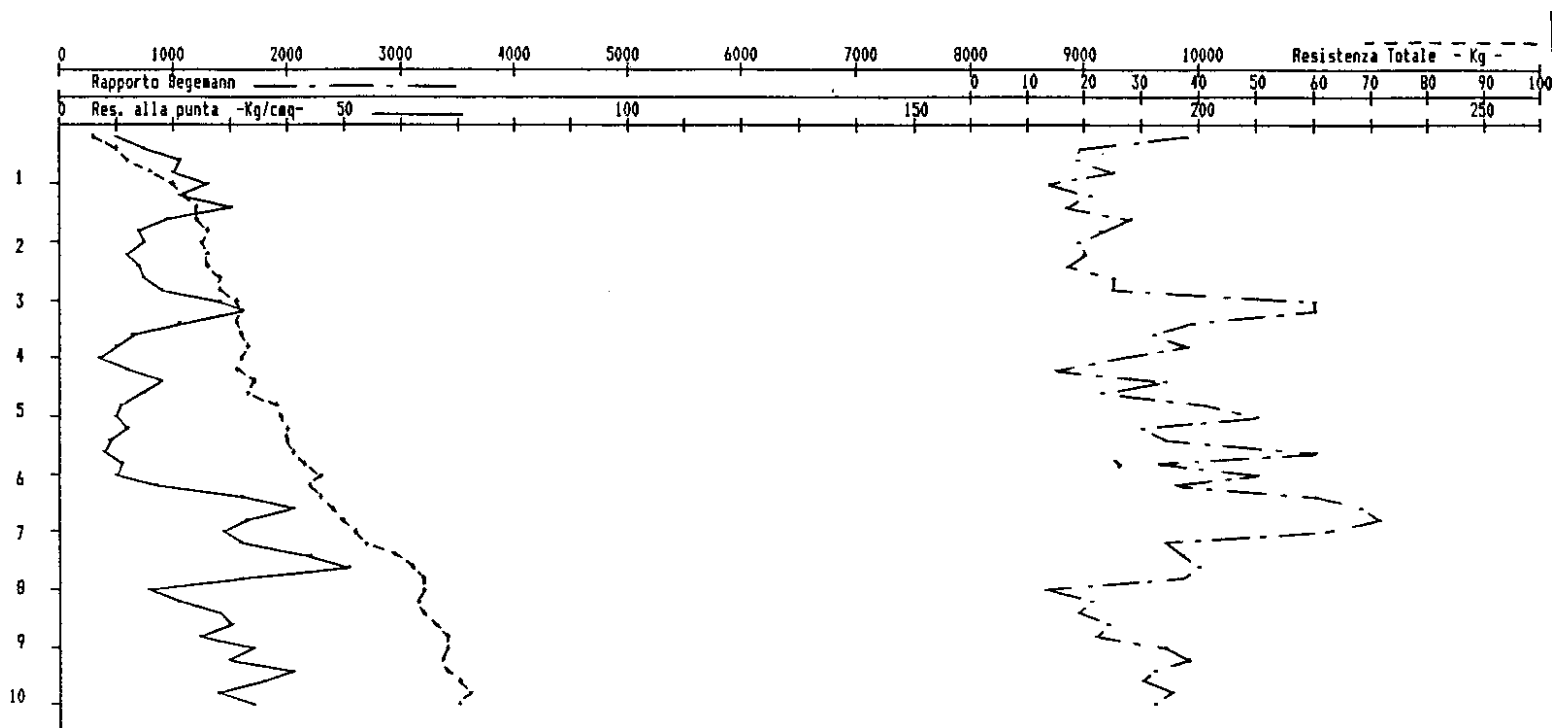
I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I
I	0.00	21	32	0.73	28.77	I						I						I
I	0.20	21	32	0.73	28.77	I						I						I
I	0.40	68	72	0.27	251.85	I						I						I
I	0.60	62	74	0.80	77.50	I						I						I
I	0.80	23	53	2.00	11.50	I						I						I
I	1.00	11	30	1.27	8.66	I						I						I
I	1.20	11	31	1.33	8.27	I						I						I
I	1.40	13	28	1.00	13.00	I						I						I
I	1.60	15	30	1.00	15.00	I						I						I
I	1.80	19	35	1.07	17.76	I						I						I
I	2.00	21	36	1.00	21.00	I						I						I
I	2.20	19	37	1.20	15.83	I						I						I
I	2.40	20	37	1.13	17.70	I						I						I
I	2.60	20	36	1.07	18.69	I						I						I
I	2.80	20	38	1.20	16.67	I						I						I
I	3.00	20	37	1.13	17.70	I						I						I
I	3.20	19	36	1.13	16.81	I						I						I
I	3.40	14	29	1.00	14.00	I						I						I
I	3.60	13	25	0.80	16.25	I						I						I
I	3.80	13	22	0.60	21.67	I						I						I
I	4.00	11	18	0.47	23.40	I						I						I
I	4.20	13	27	0.93	13.98	I						I						I
I	4.40	16	28	0.80	20.00	I						I						I
I	4.60	13	26	0.87	14.94	I						I						I
I	4.80	15	26	0.73	20.55	I						I						I
I	5.00	16	26	0.67	23.88	I						I						I
I	5.20	14	26	0.80	17.50	I						I						I
I	5.40	12	22	0.67	17.91	I						I						I
I	5.60	13	23	0.67	19.40	I						I						I
I	5.80	11	21	0.67	16.42	I						I						I
I	6.00	9	19	0.67	13.43	I						I						I
I	6.20	10	16	0.40	25.00	I						I						I
I	6.40	11	19	0.53	20.75	I						I						I
I	6.60	11	20	0.60	18.33	I						I						I
I	6.80	9	19	0.67	13.43	I						I						I
I	7.00	8	15	0.47	17.02	I						I						I
I	7.20	8	13	0.33	24.24	I						I						I
I	7.40	6	12	0.40	15.00	I						I						I
I	7.60	6	10	0.27	22.22	I						I						I
I	7.80	6	10	0.27	22.22	I						I						I
I	8.00	6	10	0.27	22.22	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO







PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 73-AA					CANTIERE : IMPIANTO COGENERAZIONE				
PROF.	QC	RL	FS	X	PROF.	QC	RL	FS	X
I 0.00	30	36	0.40	75.00	I				
I 0.20	30	36	0.40	75.00	I				
I 0.40	25	31	0.40	62.50	I				
I 0.60	15	20	0.33	45.45	I				
I 0.80	8	12	0.27	29.63	I				
I 1.00	4	7	0.20	20.00	I				
I 1.20	5	8	0.20	25.00	I				
I 1.40	12	16	0.27	44.44	I				
I 1.60	10	18	0.53	18.87	I				
I 1.80	2	4	0.13	15.38	I				
I 2.00	2	4	0.13	15.38	I				
I 2.20	2	4	0.13	15.38	I				
I 2.40	2	4	0.13	15.38	I				
I 2.60	2	4	0.13	15.38	I				
I 2.80	8	11	0.20	40.00	I				
I 3.00	10	14	0.27	37.04	I				
I 3.20	16	21	0.33	48.48	I				
I 3.40	16	24	0.53	30.19	I				
I 3.60	11	19	0.53	20.75	I				
I 3.80	10	15	0.33	30.30	I				
I 4.00	13	18	0.33	39.39	I				
I 4.20	12	20	0.53	22.64	I				
I 4.40	12	21	0.60	20.00	I				
I 4.60	14	23	0.60	23.33	I				
I 4.80	12	21	0.60	20.00	I				
I 5.00	12	21	0.60	20.00	I				
I 5.20	11	16	0.33	33.33	I				
I 5.40	12	19	0.47	25.53	I				
I 5.60	14	20	0.40	35.00	I				
I 5.80	15	24	0.60	25.00	I				
I 6.00	18	28	0.67	26.87	I				

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

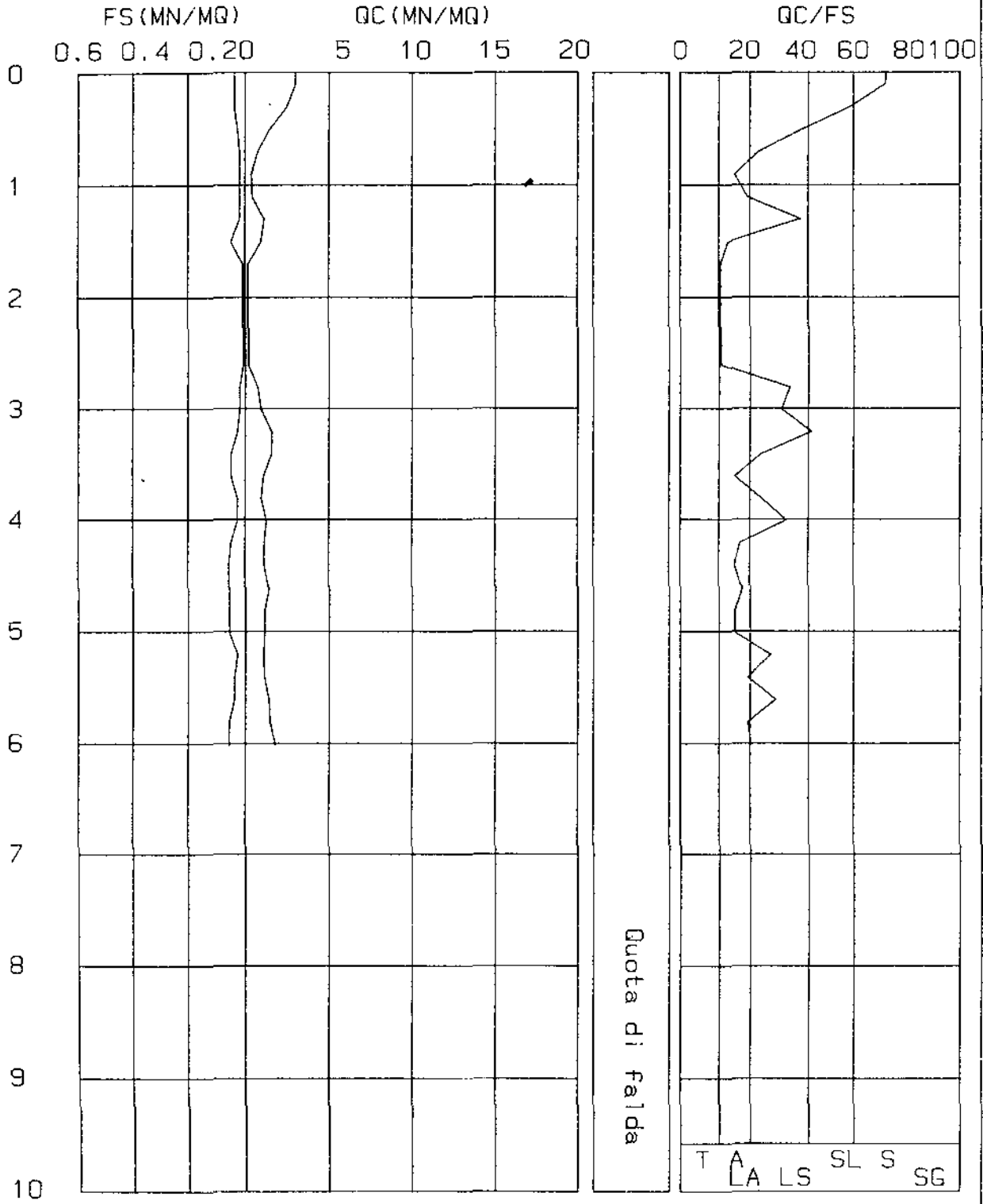
CPT (CONE PENETROMETER TEST)

Certif.n. 73-AA

Picchetto n. P/1

del 07/05/1992

Cantiere
IMPIANTO COGENERAZIONE



PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 74-AA						CANTIERE : IMPIANTO COGENERAZIONE												
I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I
I	0.00	32	41	0.60	53.33	I						I						I
I	0.20	32	41	0.60	53.33	I						I						I
I	0.40	56	73	1.13	49.56	I						I						I
I	0.60	102	126	1.60	63.75	I						I						I
I	0.80	115	138	1.53	75.16	I						I						I
I	1.00	136	161	1.67	81.44	I						I						I
I	1.20	43	61	1.20	35.83	I						I						I
I	1.40	27	41	0.93	29.03	I						I						I
I	1.60	14	28	0.93	15.05	I						I						I
I	1.80	34	42	0.53	64.15	I						I						I
I	2.00	12	24	0.80	15.00	I						I						I
I	2.20	8	16	0.53	15.09	I						I						I
I	2.40	4	8	0.27	14.81	I						I						I
I	2.60	5	8	0.20	25.00	I						I						I
I	2.80	9	12	0.20	45.00	I						I						I
I	3.00	12	16	0.27	44.44	I						I						I
I	3.20	15	21	0.40	37.50	I						I						I
I	3.40	10	20	0.67	14.93	I						I						I
I	3.60	10	18	0.53	18.87	I						I						I
I	3.80	10	19	0.60	16.67	I						I						I
I	4.00	13	21	0.53	24.53	I						I						I
I	4.20	15	24	0.60	25.00	I						I						I
I	4.40	13	23	0.67	19.40	I						I						I
I	4.60	13	23	0.67	19.40	I						I						I
I	4.80	13	23	0.67	19.40	I						I						I
I	5.00	14	25	0.73	19.18	I						I						I
I	5.20	17	27	0.67	25.37	I						I						I
I	5.40	19	33	0.93	20.43	I						I						I
I	5.60	20	34	0.93	21.51	I						I						I
I	5.80	19	38	1.27	14.96	I						I						I
I	6.00	18	36	1.20	15.00	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CH. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

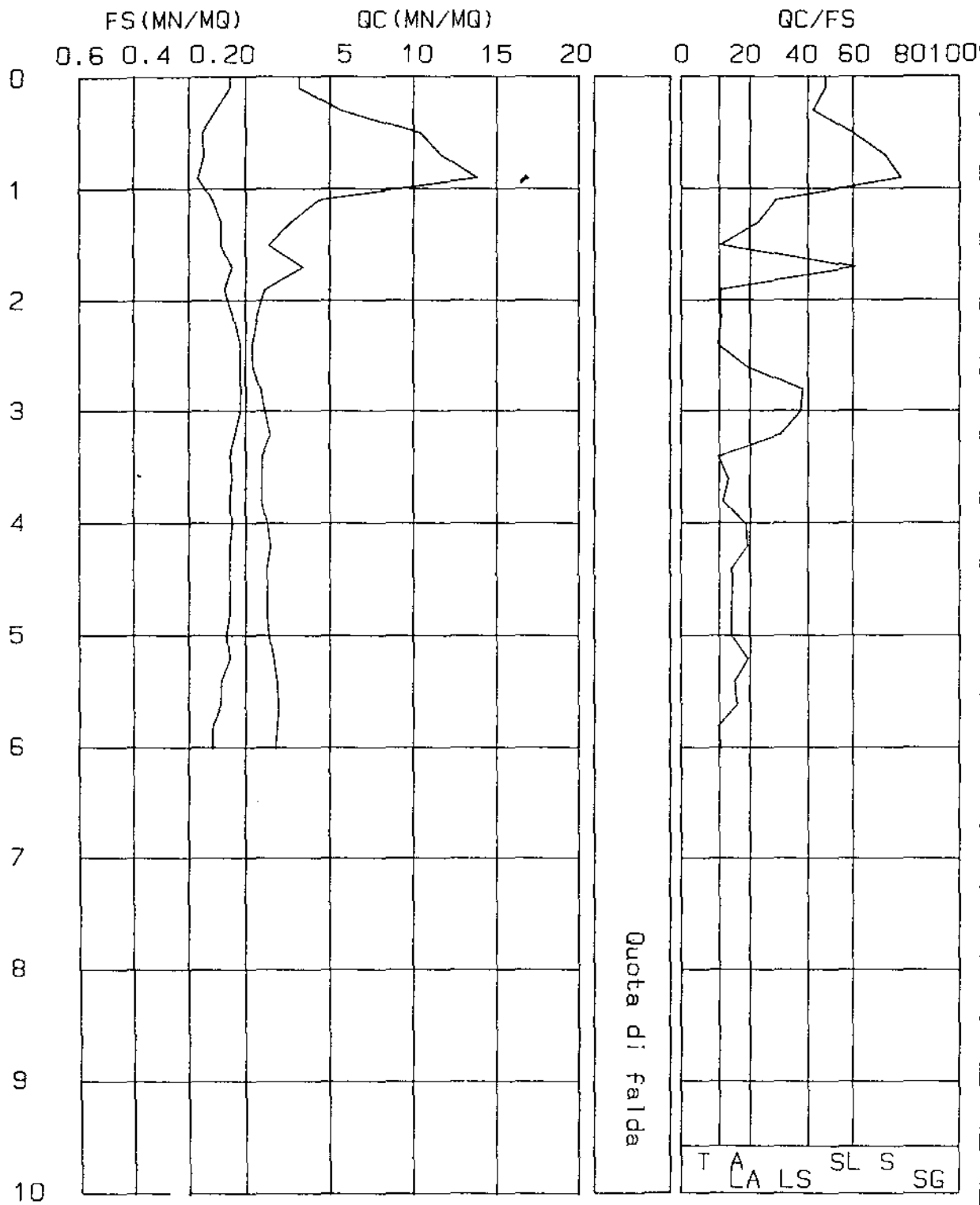
LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

CPT (CONE PENETROMETER TEST)

Certif.n. 74-AA
del 07/05/1992

Picchetto n. P/2

Cantiere
IMPIANTO COGENERAZIONE
Committente



Quota di falda

T A LA LS SL S SG

PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 75-AA					CANTIERE : IMPIANTO COGENERAZIONE													
I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I
I	0.00	24	39	1.00	24.00	I						I						I
I	0.20	24	39	1.00	24.00	I						I						I
I	0.40	28	44	1.07	26.17	I						I						I
I	0.60	238	300	4.13	57.63	I						I						I
I	0.80	52	71	1.27	40.94	I						I						I
I	1.00	30	37	0.47	63.83	I						I						I
I	1.20	24	31	0.47	51.06	I						I						I
I	1.40	14	22	0.53	26.42	I						I						I
I	1.60	18	31	0.87	20.69	I						I						I
I	1.80	13	24	0.73	17.81	I						I						I
I	2.00	8	16	0.53	15.09	I						I						I
I	2.20	7	12	0.33	21.21	I						I						I
I	2.40	14	20	0.40	35.00	I						I						I
I	2.60	11	19	0.53	20.75	I						I						I
I	2.80	8	16	0.53	15.09	I						I						I
I	3.00	8	14	0.40	20.00	I						I						I
I	3.20	12	18	0.40	30.00	I						I						I
I	3.40	12	21	0.60	20.00	I						I						I
I	3.60	9	18	0.60	15.00	I						I						I
I	3.80	10	17	0.47	21.28	I						I						I
I	4.00	11	19	0.53	20.75	I						I						I
I	4.20	13	22	0.60	21.67	I						I						I
I	4.40	11	20	0.60	18.33	I						I						I
I	4.60	10	17	0.47	21.28	I						I						I
I	4.80	8	14	0.40	20.00	I						I						I
I	5.00	9	14	0.33	27.27	I						I						I
I	5.20	13	18	0.33	39.39	I						I						I
I	5.40	19	29	0.67	28.36	I						I						I
I	5.60	21	35	0.93	22.58	I						I						I
I	5.80	18	33	1.00	18.00	I						I						I
I	6.00	17	30	0.87	19.54	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

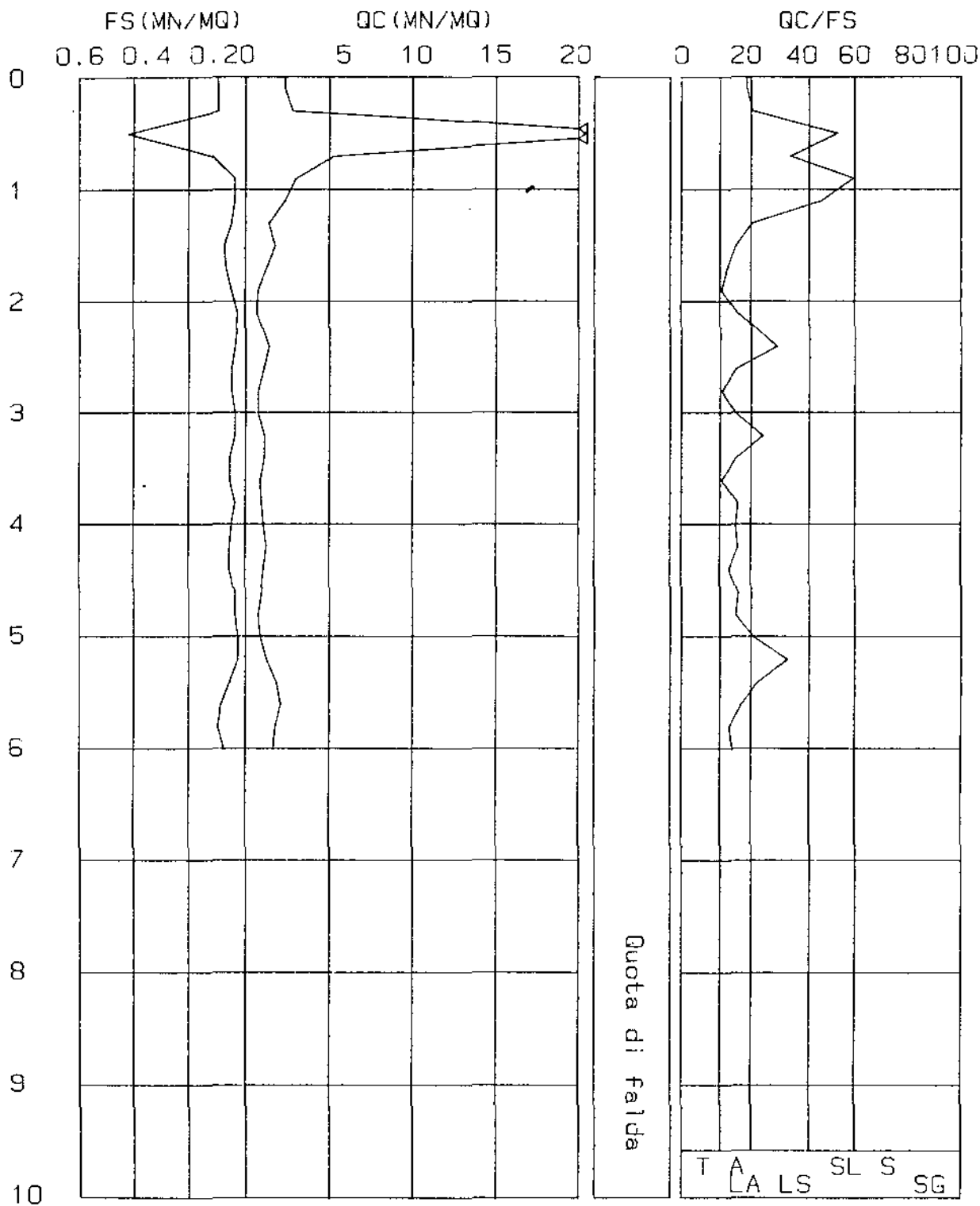
CPT (CONE PENETROMETER TEST)

Certif.n. 75-AA

Picchetto n. P/3

del 07/05/1992

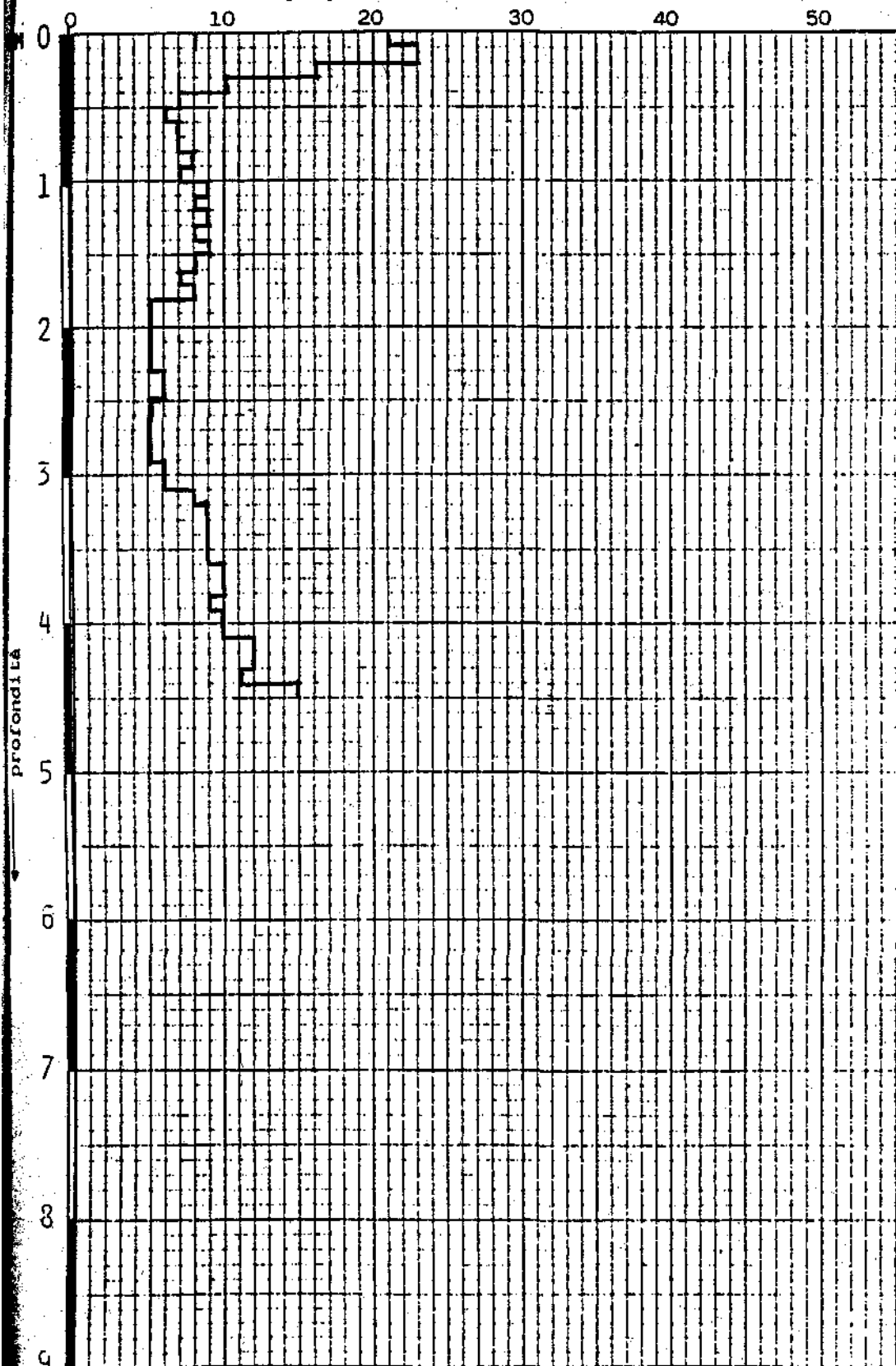
Cantiere
 IMPIANTO COGENERAZIONE
 Committente



PENETROMETRIA N° 1

colpi per 10 cm di avanzamento →

Log



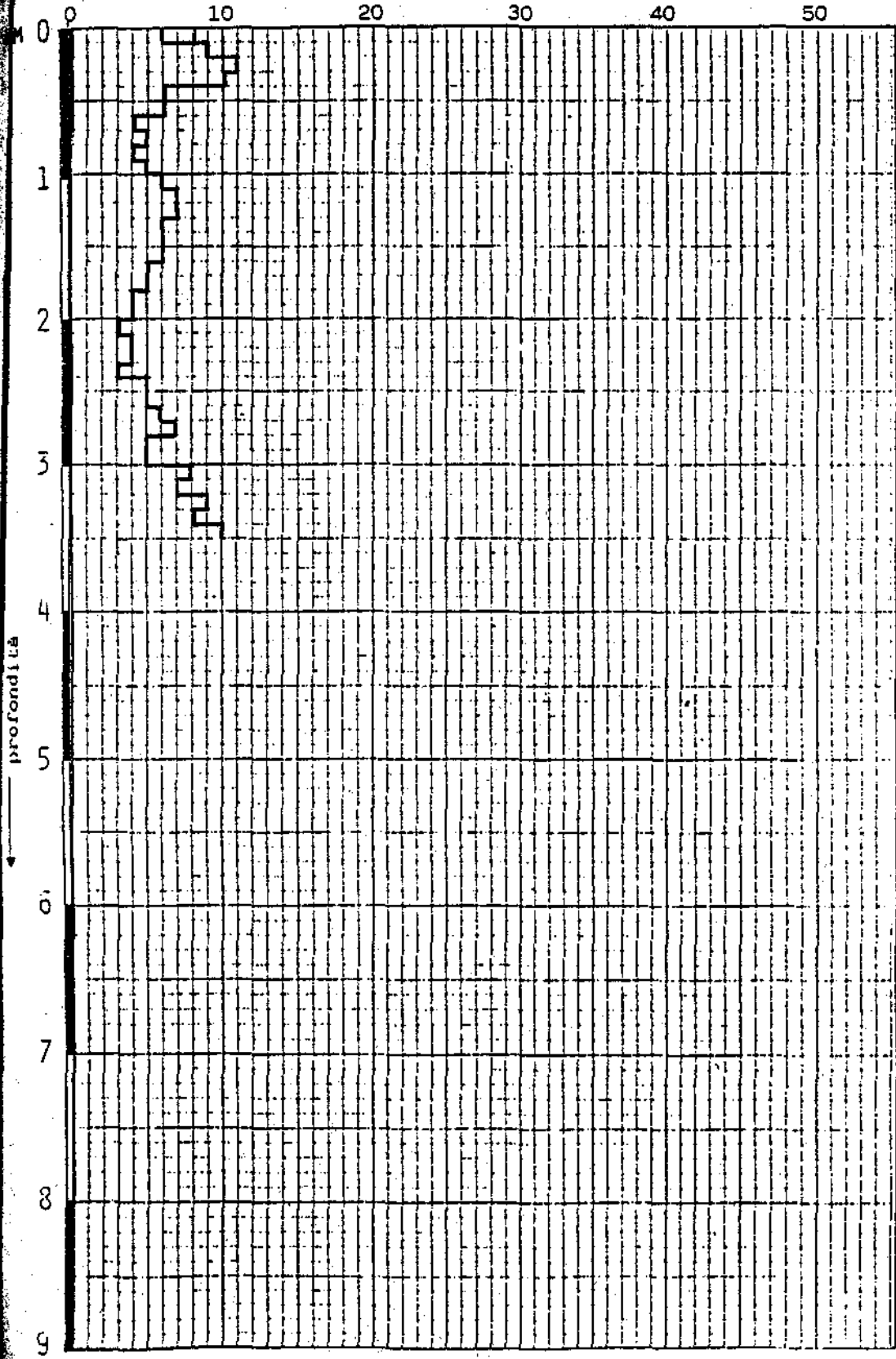
SABBIE CON LI-
VELLI LIMOSI
ALTERNATI

Profondità

PENETROMETRIA N° 2

colpi per 10 cm di avanzamento →

Log



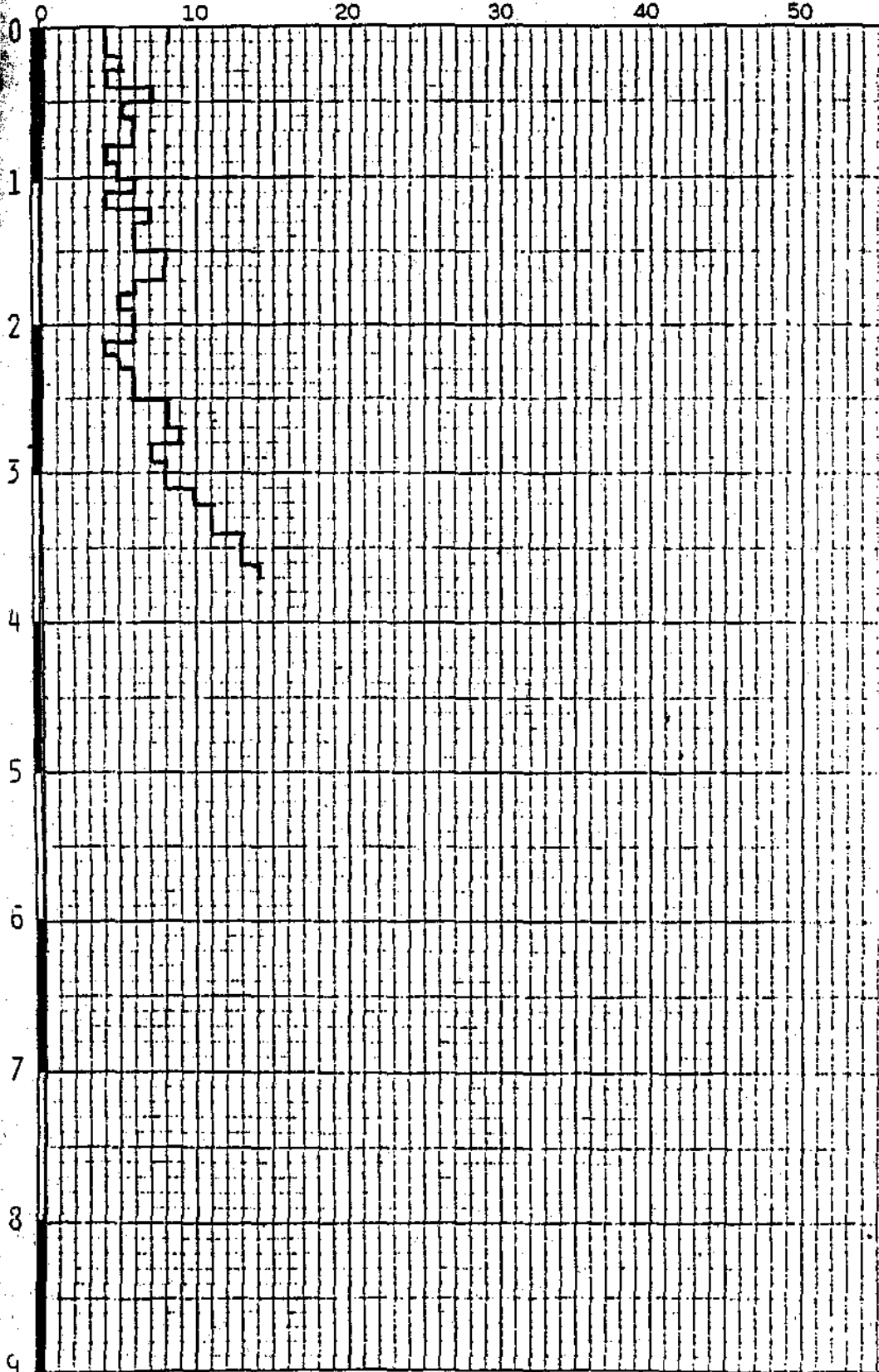
SABBIE CON LI-
VELLI LIMOSI
ALTERNATI

profondità ↓

ENETROMETRIA N° 3

colpi per 10 cm di avanzamento →

Log



SABBIE CON LI-
VELLI LIMOSI
ALTERNATI

A PENETROMETRICA STATICA

CERTIFICATO N.RO : 752-AA

CANTIERE : COSTRUZIONE DI VILLETTA BIFAMILIARE

II

I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I
I	0.00	2	5	0.20	10.00	I						I						I
I	0.20	2	5	0.20	10.00	I						I						I
I	0.40	10	14	0.27	37.04	I						I						I
I	0.60	10	14	0.27	37.04	I						I						I
I	0.80	12	17	0.33	36.36	I						I						I
I	1.00	12	20	0.53	22.64	I						I						I
I	1.20	10	18	0.53	18.87	I						I						I
I	1.40	9	17	0.53	16.98	I						I						I
I	1.60	10	17	0.47	21.28	I						I						I
I	1.80	11	19	0.53	20.75	I						I						I
I	2.00	15	23	0.53	28.30	I						I						I
I	2.20	14	24	0.67	20.90	I						I						I
I	2.40	14	24	0.67	20.90	I						I						I
I	2.60	18	28	0.67	26.87	I						I						I
I	2.80	19	32	0.87	21.84	I						I						I
I	3.00	21	35	0.93	22.58	I						I						I
I	3.20	21	36	1.00	21.00	I						I						I
I	3.40	22	38	1.07	20.56	I						I						I
I	3.60	22	39	1.13	19.47	I						I						I
I	3.80	24	41	1.13	21.24	I						I						I
I	4.00	21	38	1.13	18.58	I						I						I
I	4.20	16	29	0.87	18.39	I						I						I
I	4.40	10	22	0.80	12.50	I						I						I
I	4.60	14	23	0.60	23.33	I						I						I
I	4.80	16	26	0.67	23.88	I						I						I
I	5.00	17	28	0.73	23.29	I						I						I
I	5.20	12	23	0.73	16.44	I						I						I
I	5.40	11	22	0.73	15.07	I						I						I
I	5.60	11	21	0.67	16.42	I						I						I
I	5.80	11	22	0.73	15.07	I						I						I
I	6.00	12	23	0.73	16.44	I						I						I
I	6.20	9	19	0.67	13.43	I						I						I
I	6.40	12	20	0.53	22.64	I						I						I
I	6.60	12	22	0.67	17.91	I						I						I
I	6.80	9	19	0.67	13.43	I						I						I
I	7.00	10	18	0.53	18.87	I						I						I
I	7.20	10	19	0.60	16.67	I						I						I
I	7.40	11	19	0.53	20.75	I						I						I
I	7.60	11	20	0.60	18.33	I						I						I
I	7.80	8	16	0.53	15.09	I						I						I
I	8.00	9	17	0.53	16.98	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOITO DN/CMO
 QC = RESISTENZA SPECIFICA ALLA PUNTA DN/CMO X = RAPPORTO QC/FS X
 RL = RESISTENZA LATERALE TOTALE DN/CMO

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

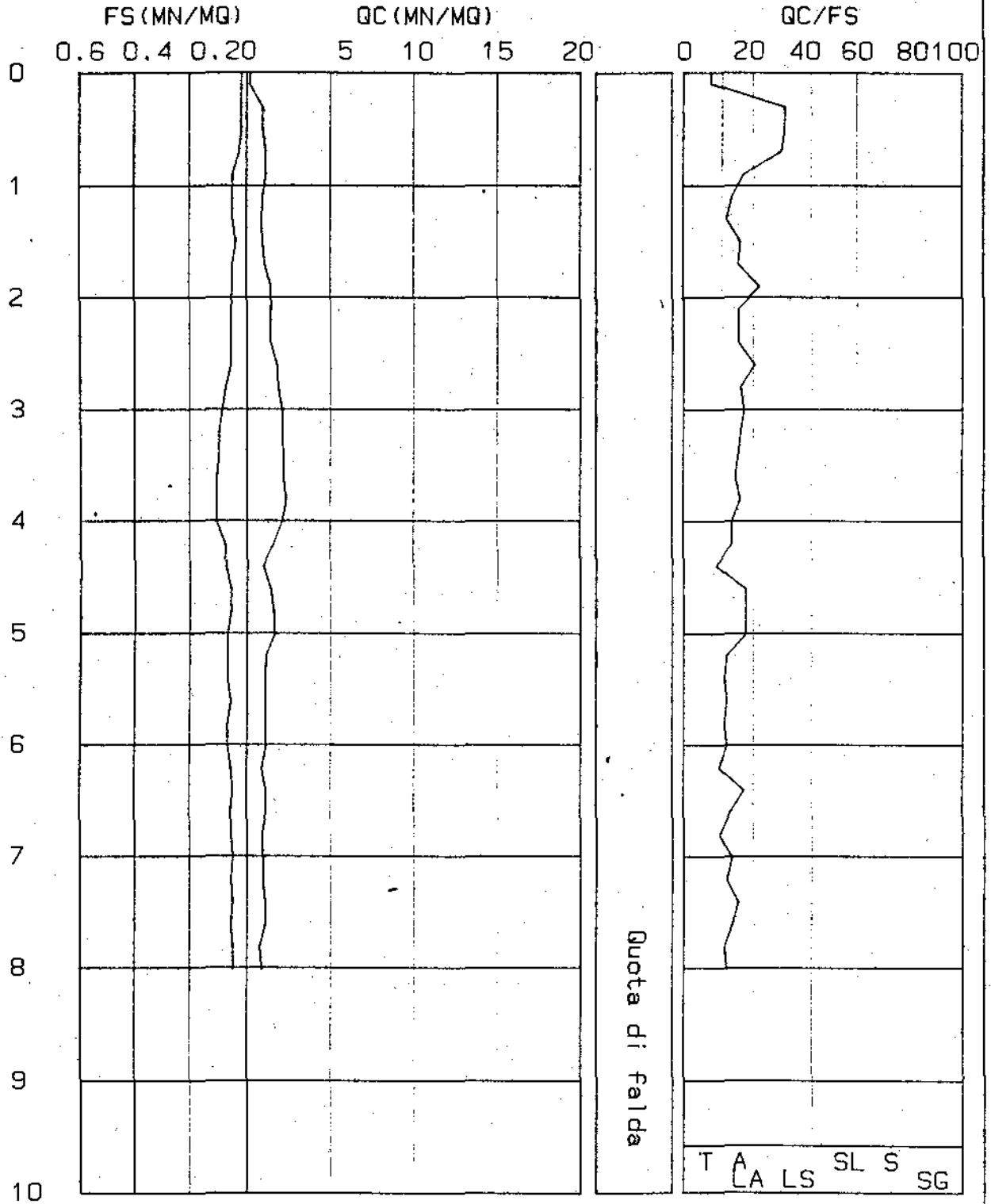
CPT (CONE PENETROMETER TEST)

Certif.n. 752-AA

Picchetto n. P/1

del 08/10/1991

Cantiere
COSTRUZIONE DI VILLETTA BIFAMILIARE
Committente



Quota di falda

T A CA LS SL S SG

PROVA PENETROMETRICA STATICA

CERTIFICATO N.RO : 753-AA						CANTIERE : COSTRUZIONE DI VILLETTA BIFAMILIARE						14						
I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I
I	0.00	3	5	0.13	23.08	I						I						I
I	0.20	3	5	0.13	23.08	I						I						I
I	0.40	22	26	0.27	81.48	I						I						I
I	0.60	7	14	0.47	14.89	I						I						I
I	0.80	12	18	0.40	30.00	I						I						I
I	1.00	16	24	0.53	30.19	I						I						I
I	1.20	12	27	1.00	12.00	I						I						I
I	1.40	13	24	0.73	17.81	I						I						I
I	1.60	11	22	0.75	15.07	I						I						I
I	1.80	12	21	0.60	20.00	I						I						I
I	2.00	13	22	0.60	21.67	I						I						I
I	2.20	13	22	0.60	21.67	I						I						I
I	2.40	15	25	0.67	22.39	I						I						I
I	2.60	21	32	0.73	28.77	I						I						I
I	2.80	21	36	1.00	21.00	I						I						I
I	3.00	20	36	1.07	18.69	I						I						I
I	3.20	19	35	1.07	17.76	I						I						I
I	3.40	21	40	1.27	16.54	I						I						I
I	3.60	21	39	1.20	17.50	I						I						I
I	3.80	22	41	1.27	17.32	I						I						I
I	4.00	21	37	1.07	19.63	I						I						I
I	4.20	13	30	1.13	11.50	I						I						I
I	4.40	15	27	0.80	18.75	I						I						I
I	4.60	18	31	0.87	20.69	I						I						I
I	4.80	20	36	1.07	18.69	I						I						I
I	5.00	15	31	1.07	14.02	I						I						I
I	5.20	19	31	0.80	23.75	I						I						I
I	5.40	14	29	1.00	14.00	I						I						I
I	5.60	12	26	0.93	12.90	I						I						I
I	5.80	12	25	0.87	13.79	I						I						I
I	6.00	13	24	0.73	17.81	I						I						I
I	6.20	9	21	0.80	11.25	I						I						I
I	6.40	12	22	0.67	17.91	I						I						I
I	6.60	10	22	0.80	12.50	I						I						I
I	6.80	10	20	0.67	14.95	I						I						I
I	7.00	14	23	0.60	23.33	I						I						I
I	7.20	12	19	0.47	25.53	I						I						I
I	7.40	10	17	0.47	21.28	I						I						I
I	7.60	9	16	0.47	19.15	I						I						I
I	7.80	11	20	0.60	18.33	I						I						I
I	8.00	10	18	0.53	18.87	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFSSIONE CH. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

CPT (CONE PENETROMETER TEST)

Certif.n. 753-AA

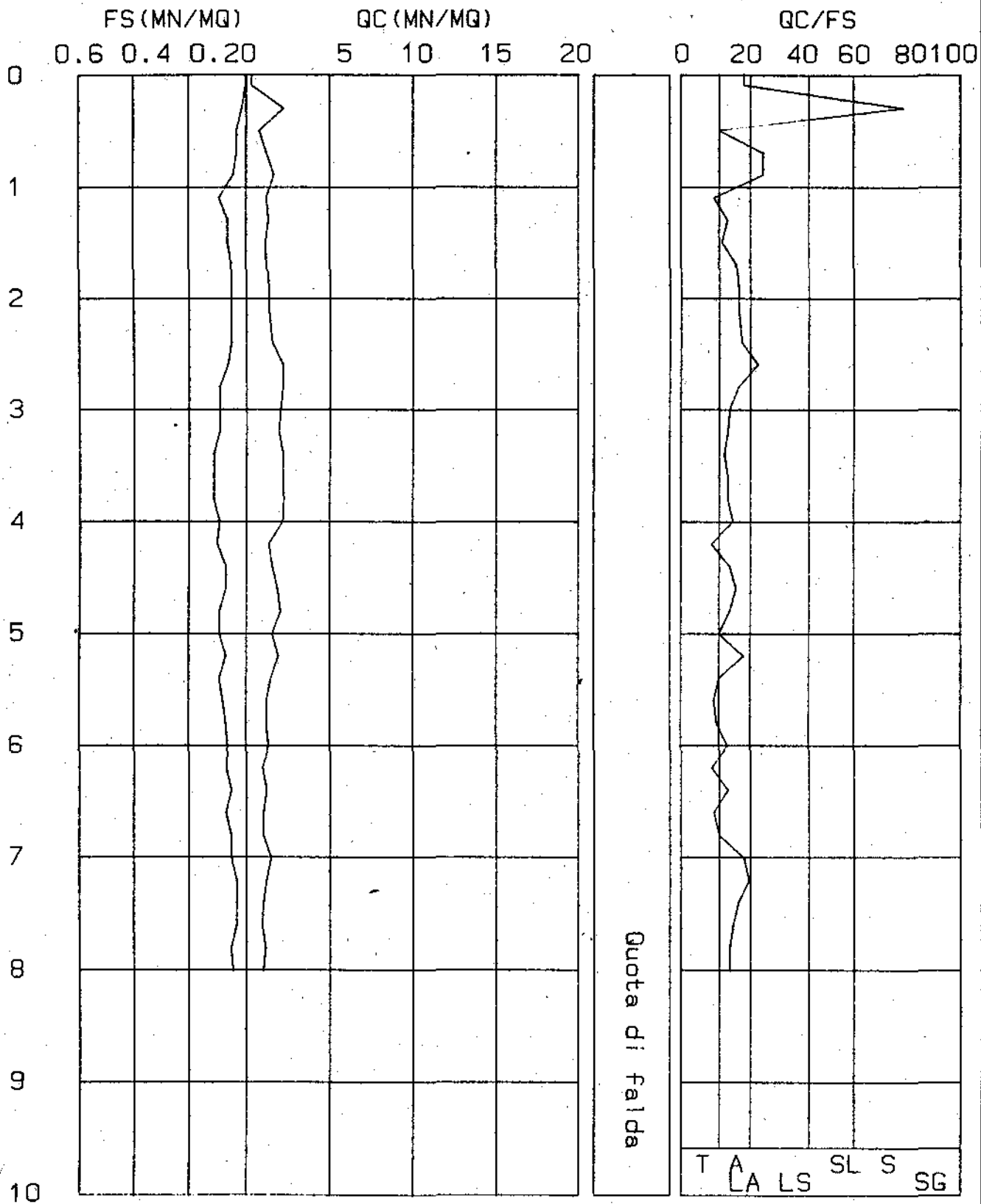
Picchetto n. P/2

del 08/10/1991

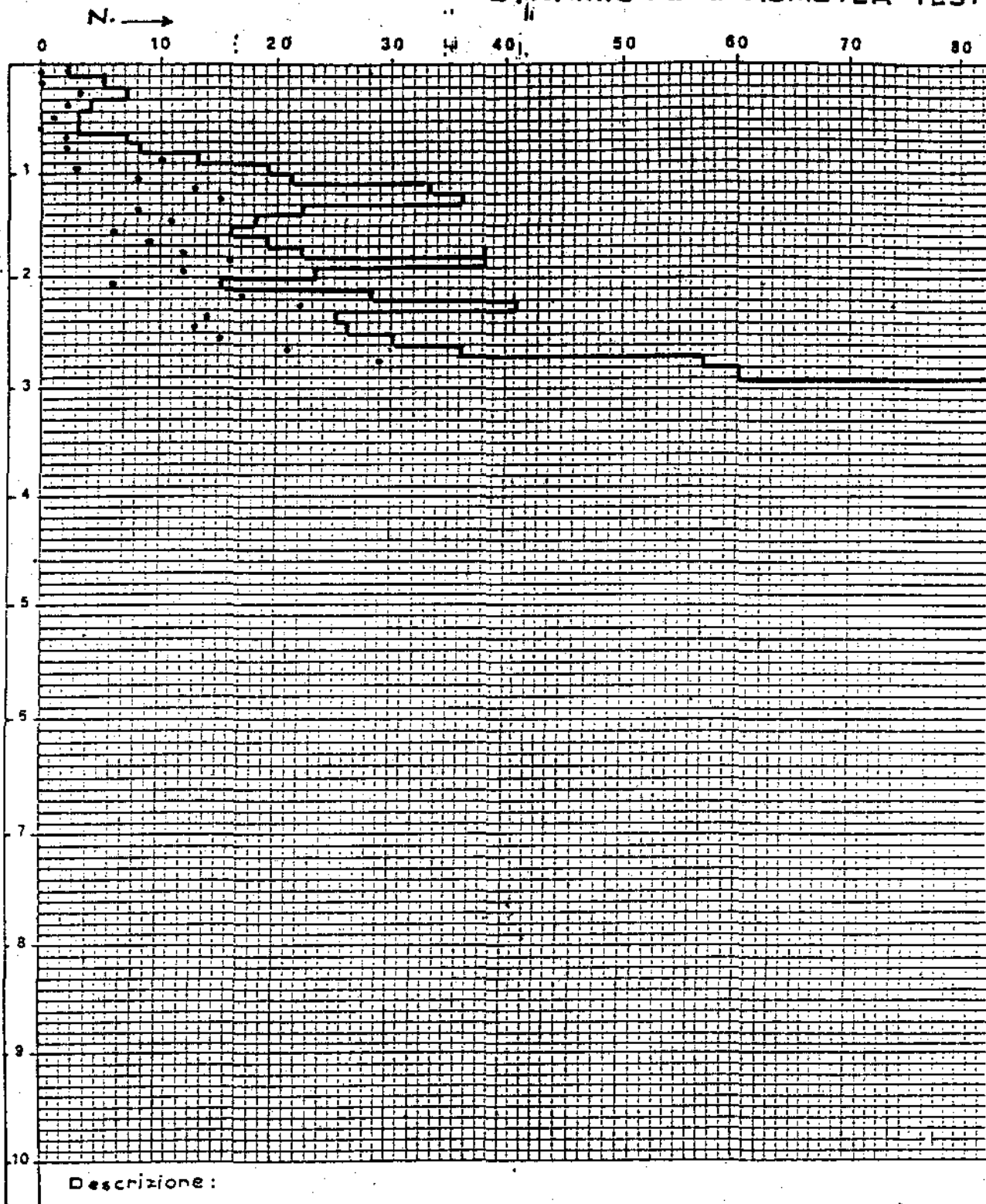
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COSTRUZIONE DI VILLETTA BIFAMILIARE

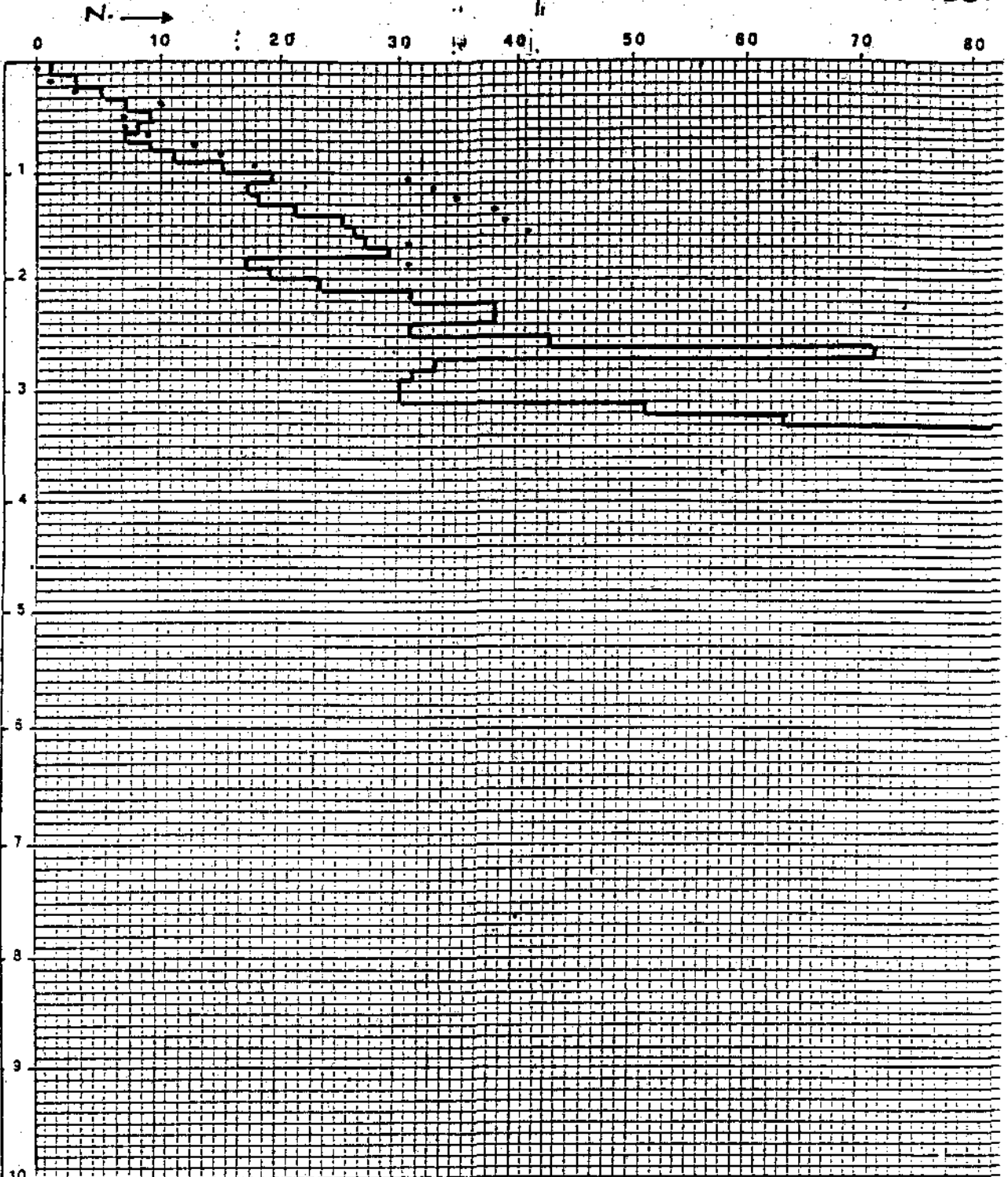
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DYNAMIC-PENETROMETER TEST

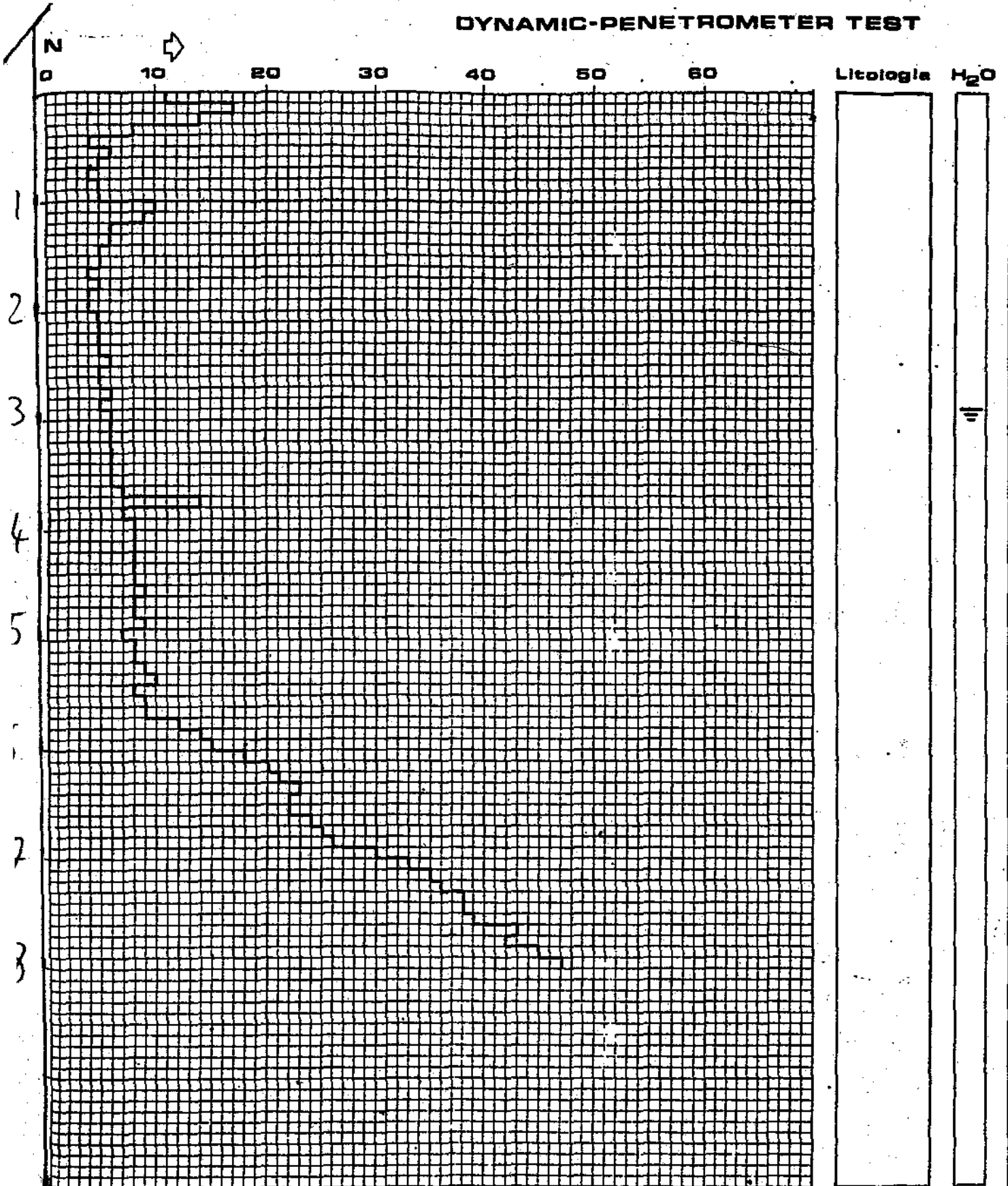


DYNAMIC-PENETROMETER TEST



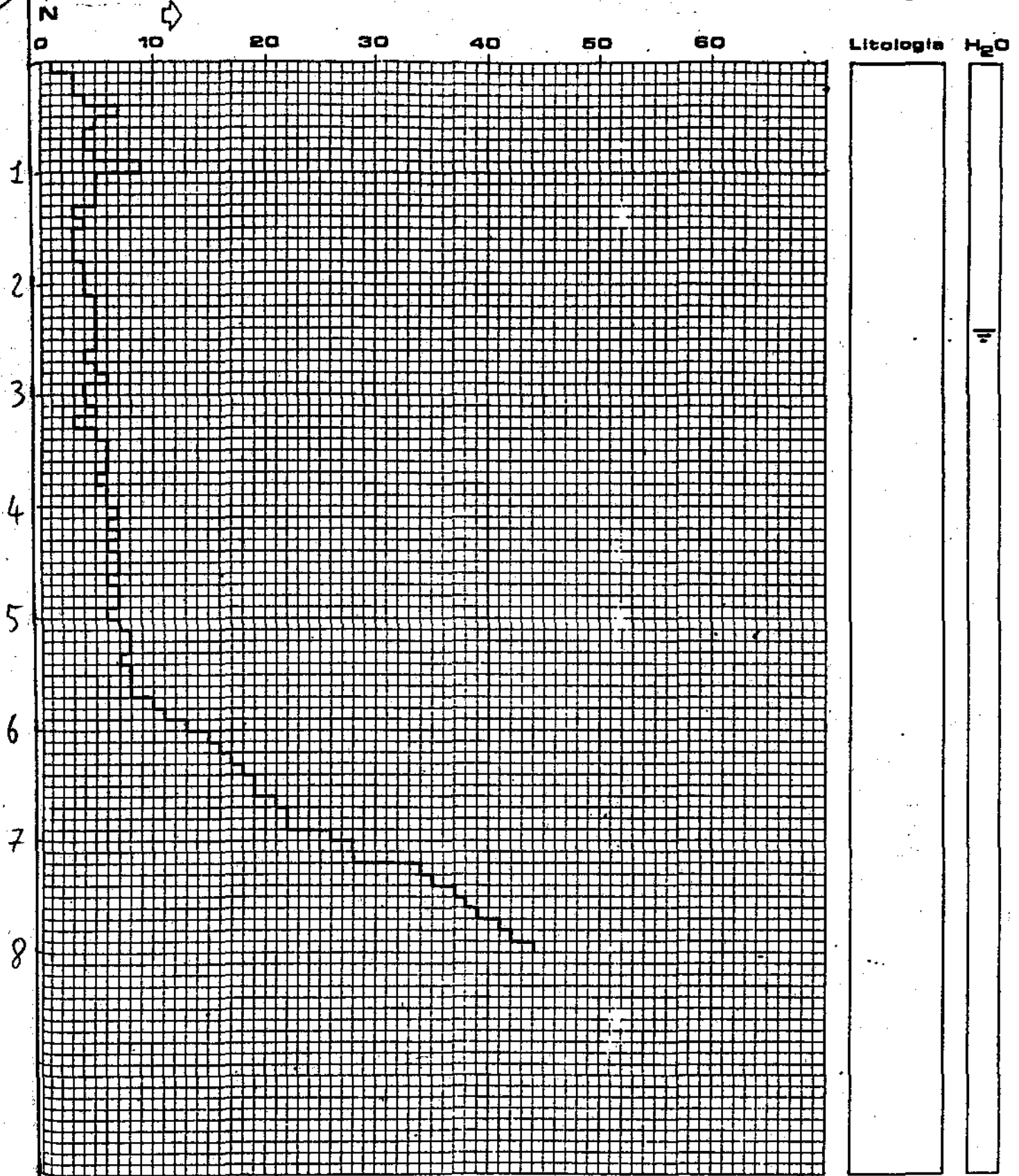
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DYNAMIC-PENETROMETER TEST

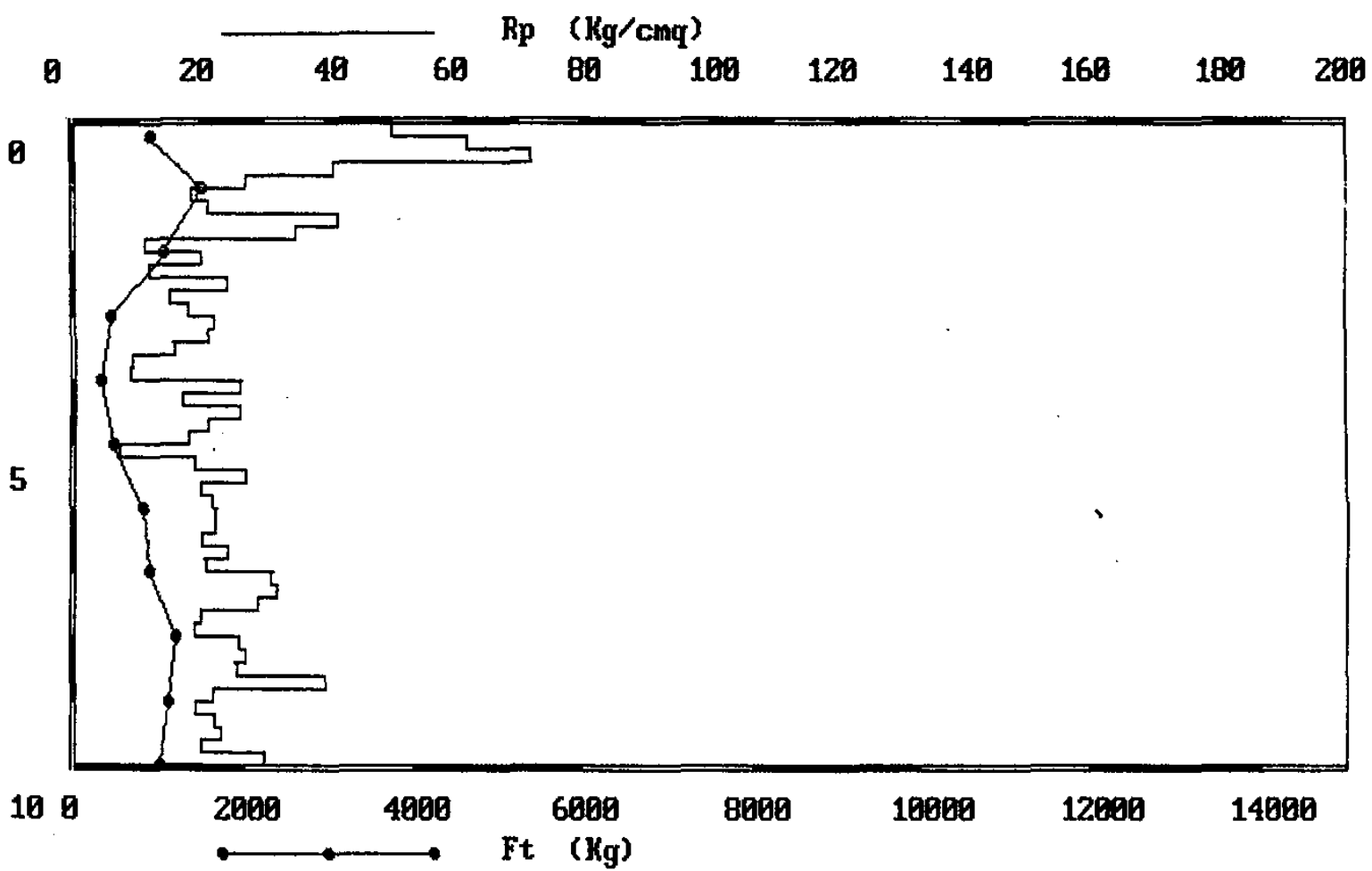


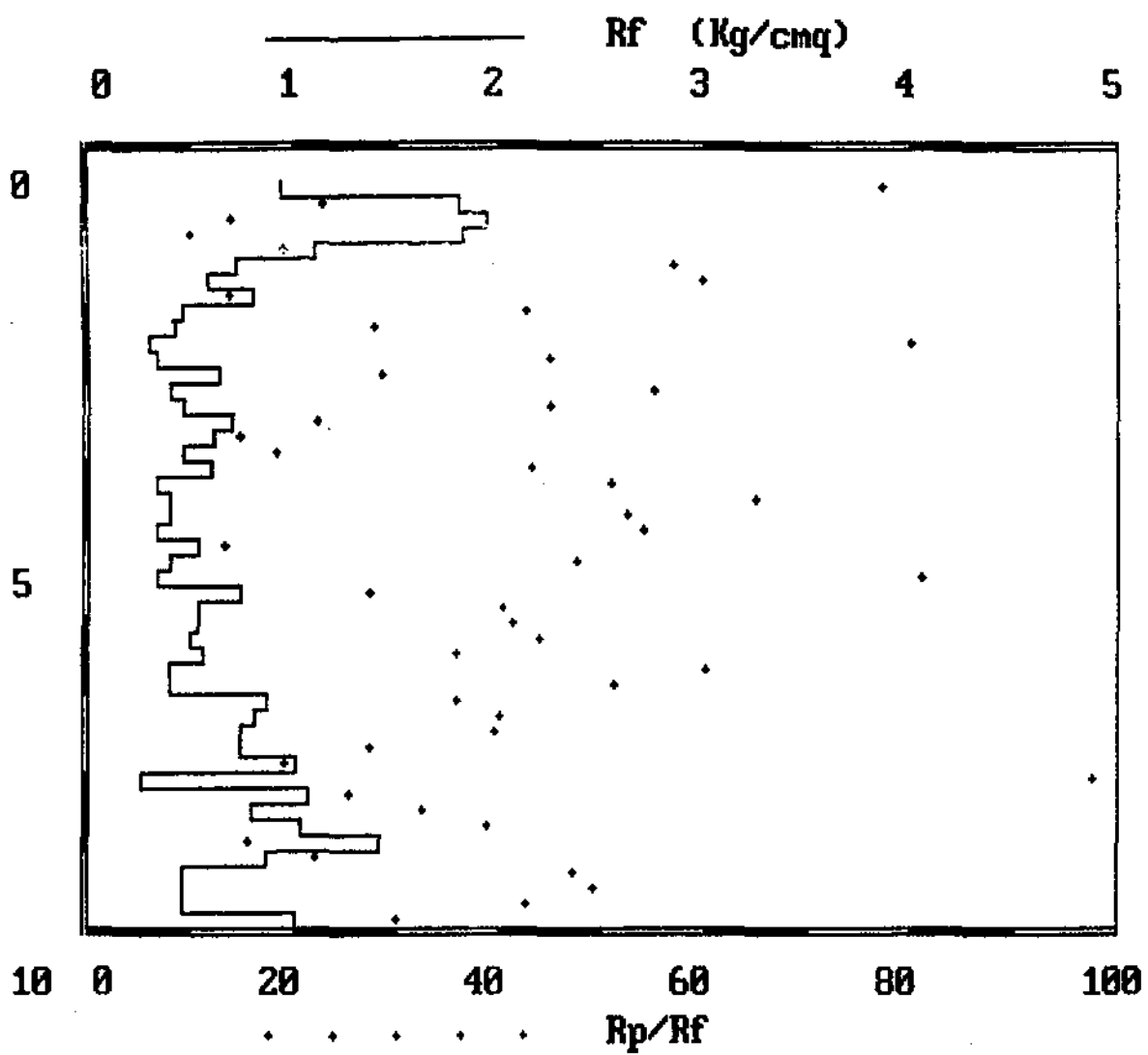
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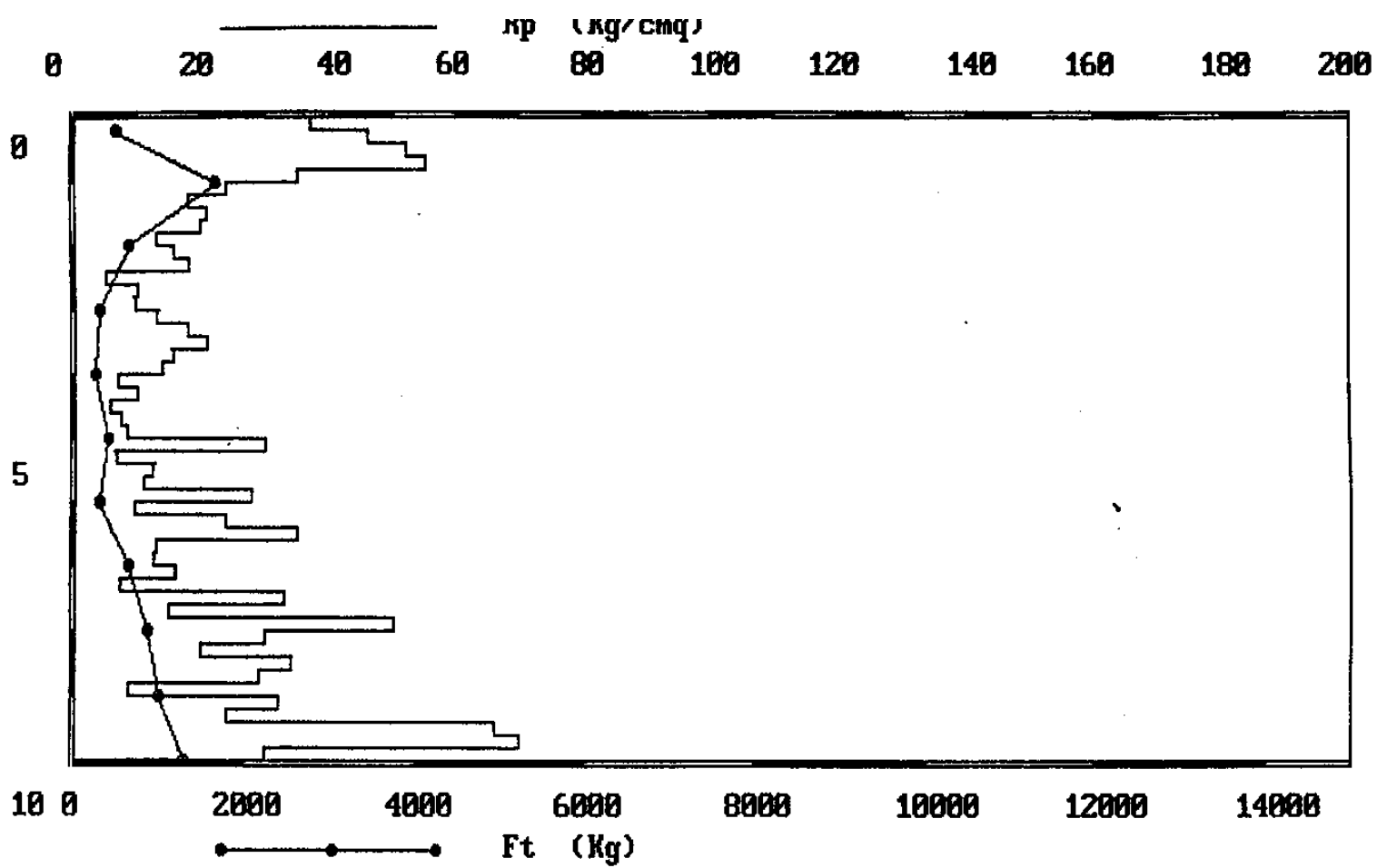
DYNAMIC-PENETROMETER TEST

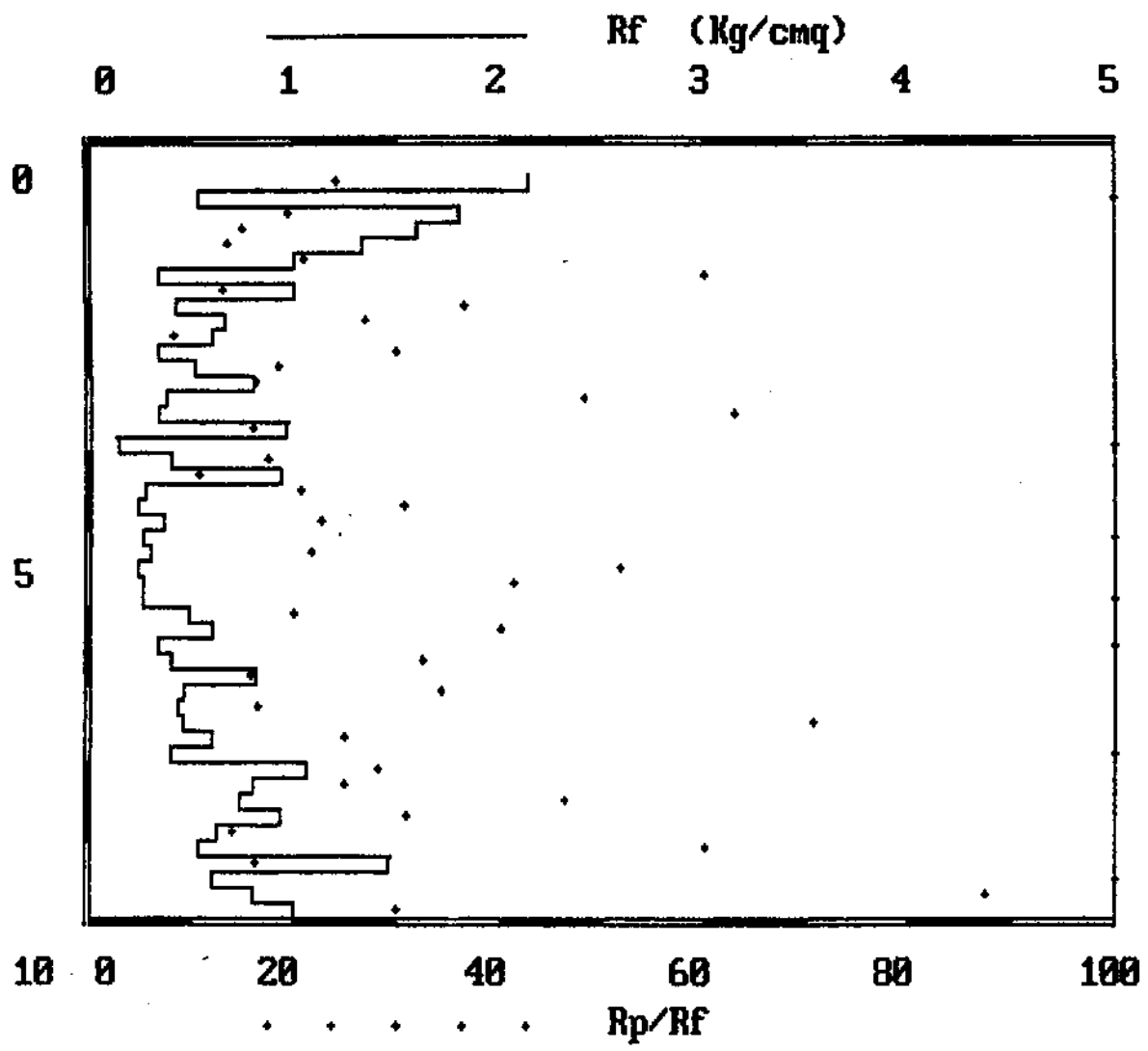


Descrizione:









ROVA PENETROMETRICA STATION

10

CERTIFICATO N.RO : 59-AA

IMPIANTO

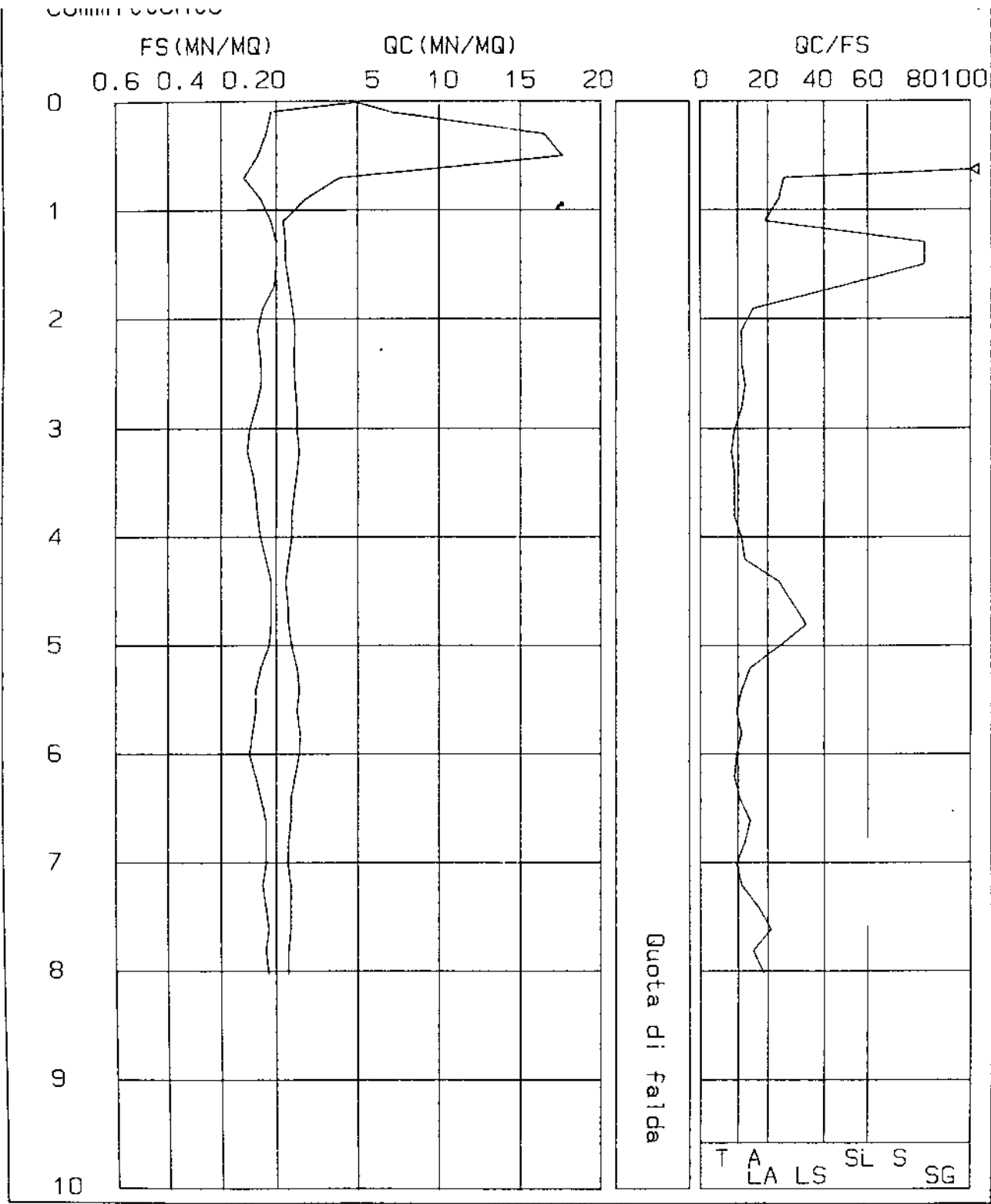
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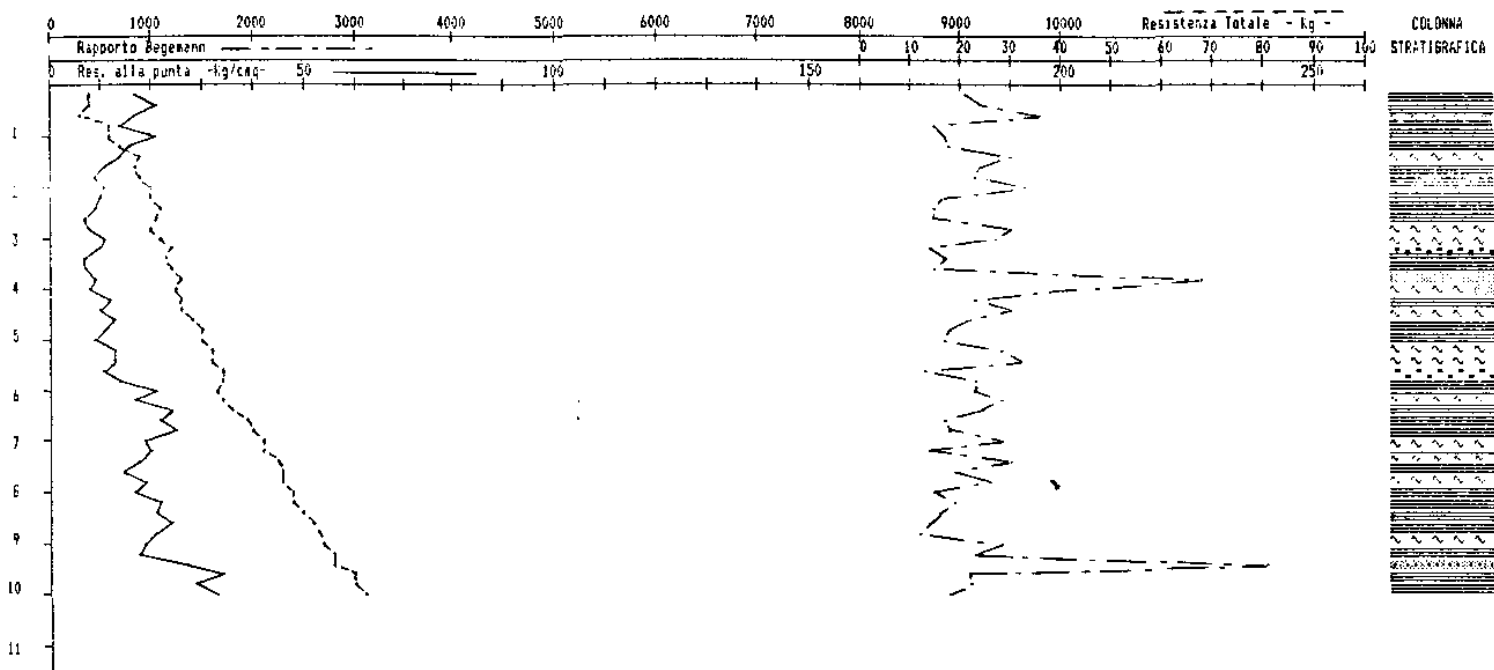
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I	0.20	70	73	0.20	350.00	I						I						I
I	0.40	162	169	0.47	344.68	I						I						I
I	0.60	173	184	0.75	236.99	I						I						I
I	0.80	39	37	1.20	32.50	I						I						I
I	1.00	18	27	0.60	30.00	I						I						I
I	1.20	5	8	0.20	25.00	I						I						I
I	1.40	6	7	0.07	85.71	I						I						I
I	1.60	6	7	0.07	85.71	I						I						I
I	1.80	7	9	0.13	53.85	I						I						I
I	2.00	11	19	0.53	20.75	I						I						I
I	2.20	12	23	0.75	16.44	I						I						I
I	2.40	11	21	0.67	16.42	I						I						I
I	2.60	12	22	0.67	17.91	I						I						I
I	2.80	13	25	0.80	16.25	I						I						I
I	3.00	13	28	1.00	15.00	I						I						I
I	3.20	14	31	1.13	12.39	I						I						I
I	3.40	13	27	0.93	13.98	I						I						I
I	3.60	11	23	0.80	13.75	I						I						I
I	3.80	10	21	0.73	13.70	I						I						I
I	4.00	10	19	0.60	16.67	I						I						I
I	4.20	8	15	0.47	17.02	I						I						I
I	4.40	6	9	0.20	30.00	I						I						I
I	4.60	7	10	0.20	35.00	I						I						I
I	4.80	8	11	0.20	40.00	I						I						I
I	5.00	10	15	0.33	30.30	I						I						I
I	5.20	13	23	0.67	19.40	I						I						I
I	5.40	14	27	0.87	16.09	I						I						I
I	5.60	13	26	0.87	14.94	I						I						I
I	5.80	15	29	0.93	16.13	I						I						I
I	6.00	14	29	1.00	14.00	I						I						I
I	6.20	12	25	0.87	13.79	I						I						I
I	6.40	9	18	0.60	15.00	I						I						I
I	6.60	9	16	0.47	19.15	I						I						I
I	6.80	8	15	0.47	17.02	I						I						I
I	7.00	7	14	0.47	14.89	I						I						I
I	7.20	9	17	0.53	16.98	I						I						I
I	7.40	9	15	0.40	22.50	I						I						I
I	7.60	9	14	0.33	27.27	I						I						I
I	7.80	8	14	0.40	20.00	I						I						I
I	8.00	8	13	0.33	24.24	I						I						I

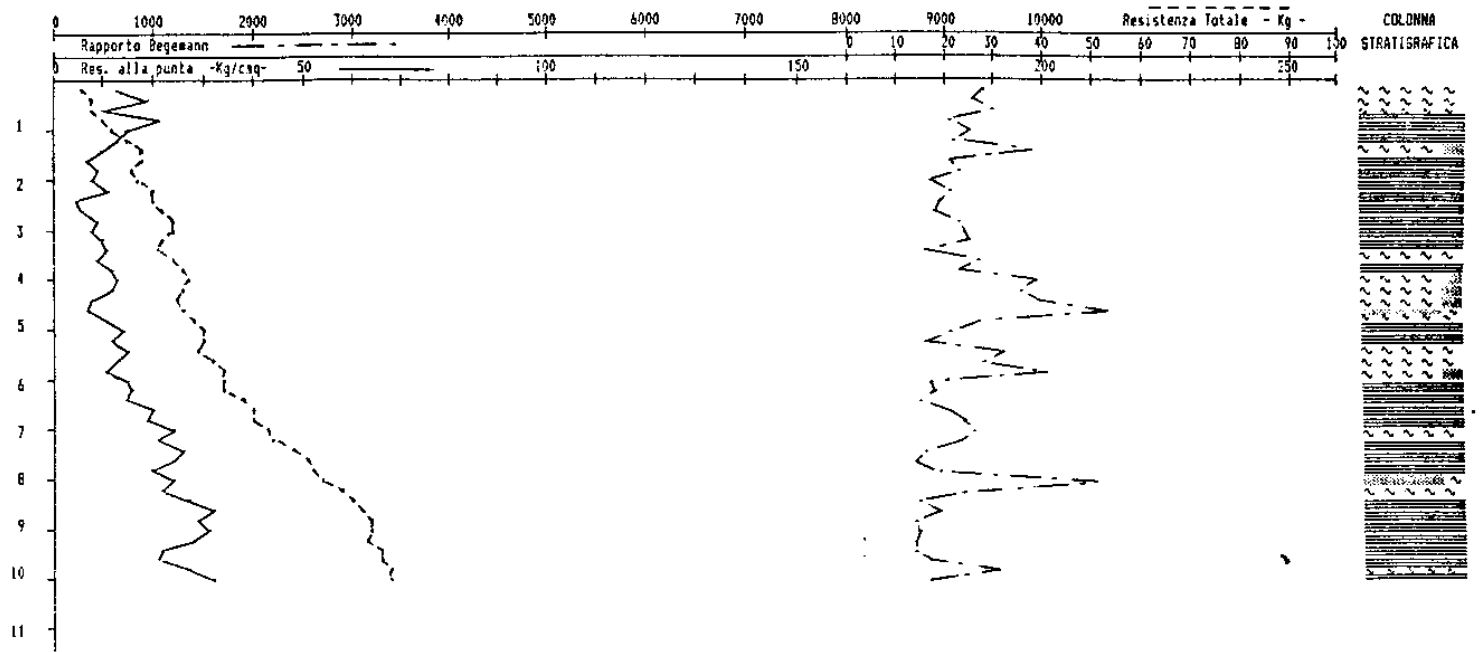
LEGENDA : PROF. = PROFONDITA' DI INFSSIONE cm. FS = RESISTENZA SPECIFICA AL MANICOITO daN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA daN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE LOCALE daN/cm²

LITOLOGIA : I=TORBE A=ARGILLE LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIE AG=COBERTURA SUPERFICIALE

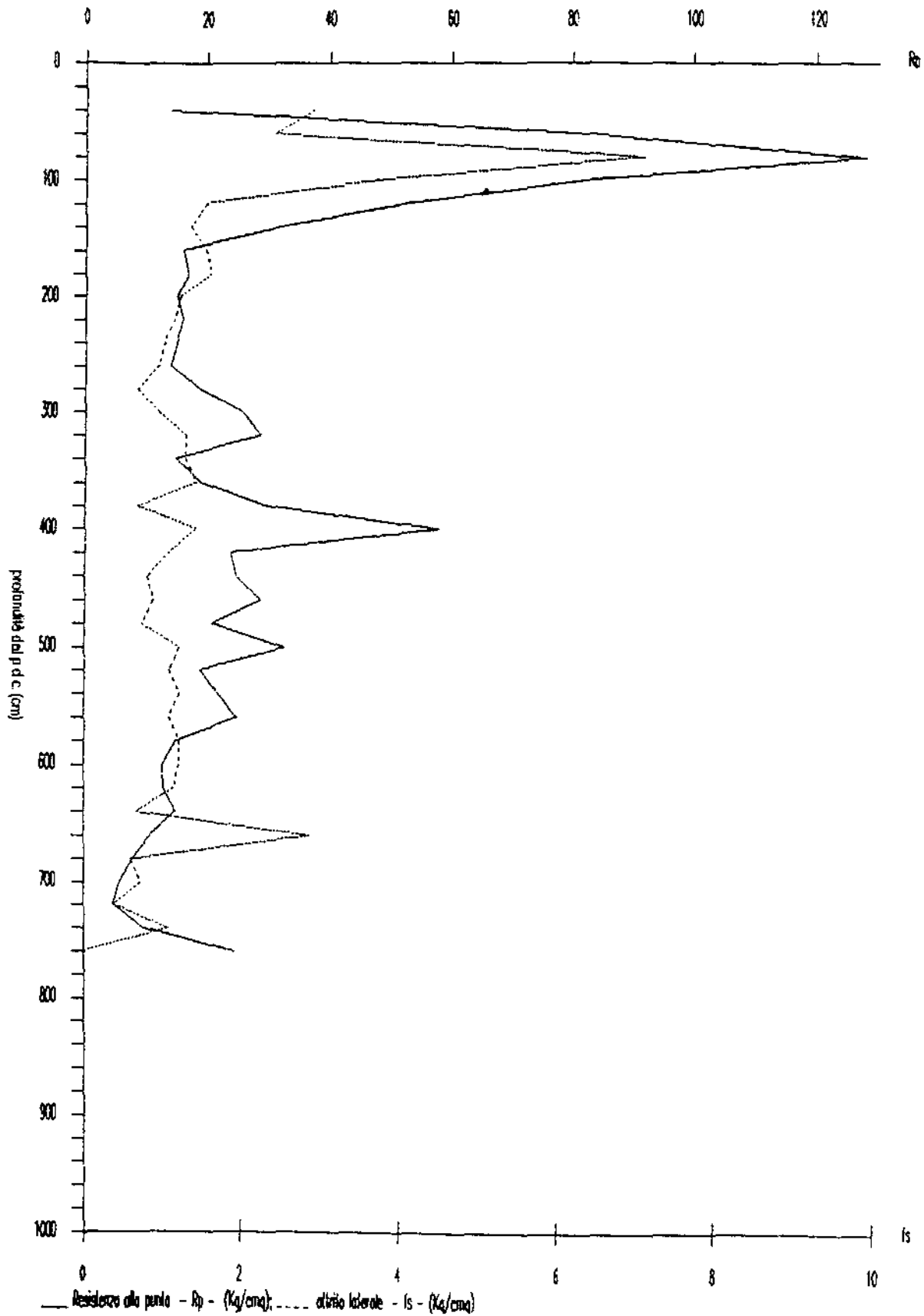
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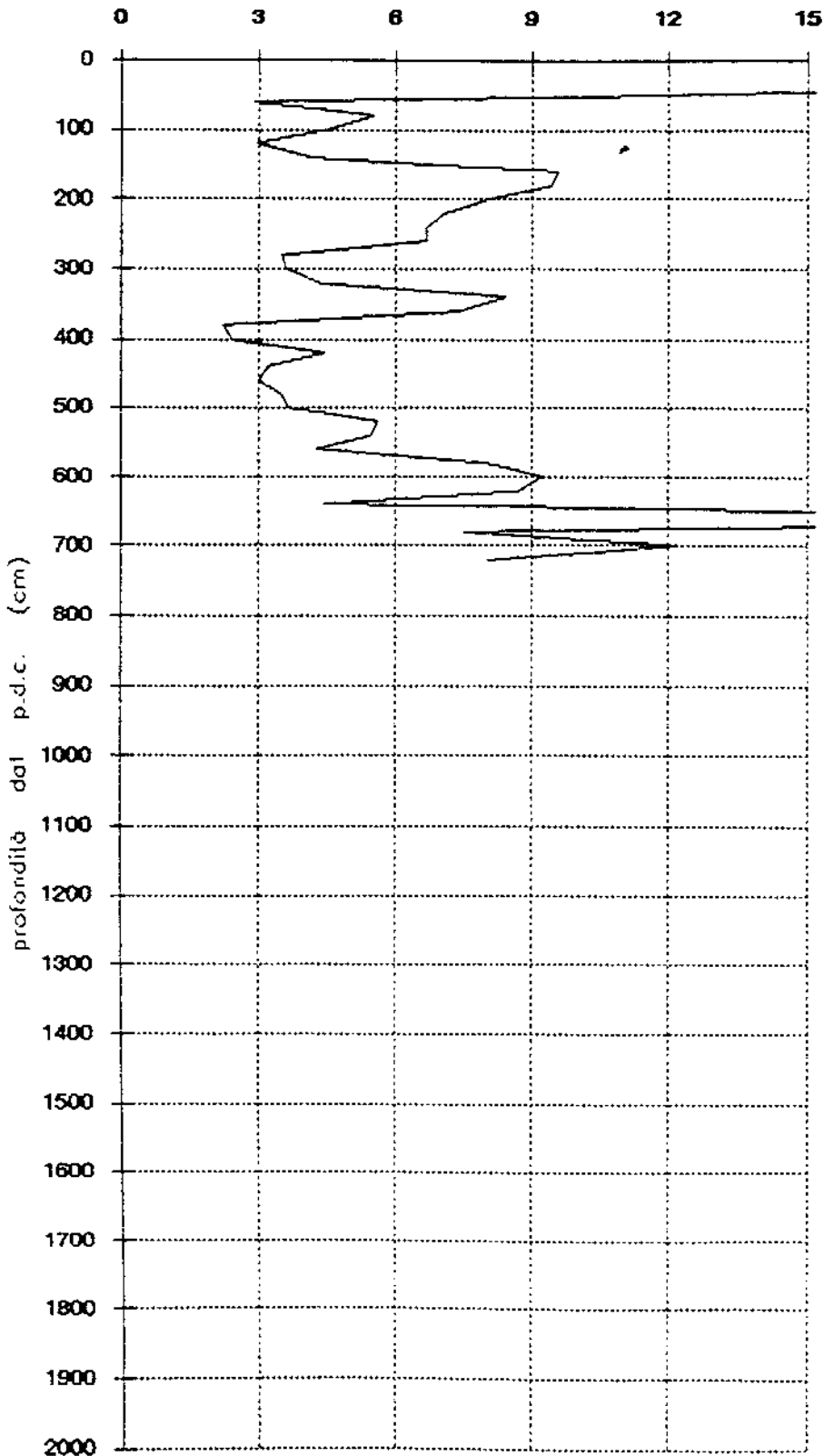
CASTELFRANCO DI S. - VIA P. LA TORRE data: 28.06.1992 CPT n° -



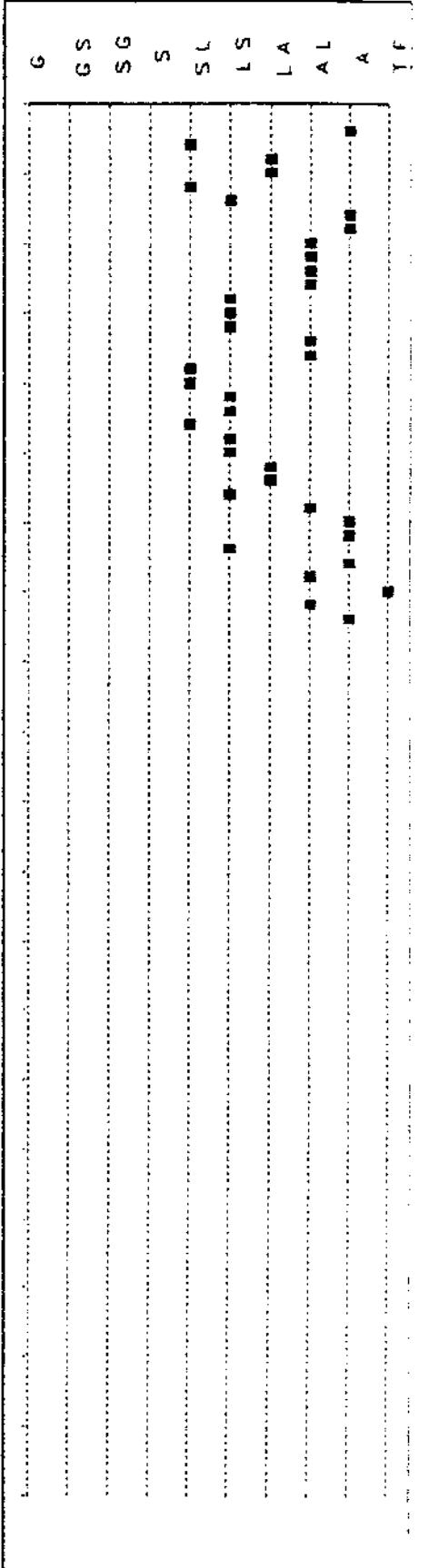
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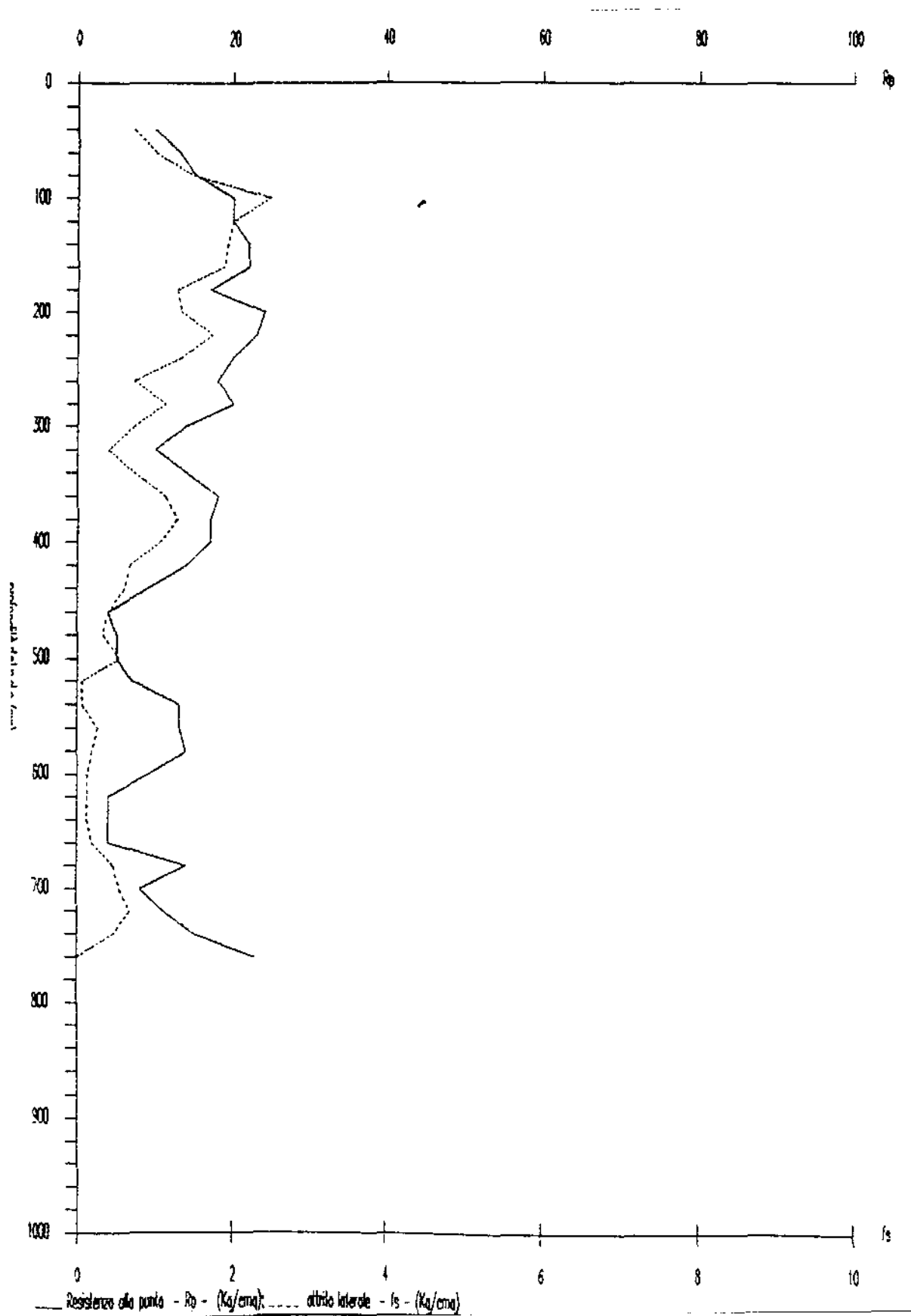
Interpretazione stratigrafica secondo SEARLE (1979)

rapporto delle resistenze - $R_f \% = (f_s \times 100) / q_c$



- G=Ghiaia
- GS=Ghiaia Sabbiosa
- SG=Sabbia Ghiaiosa
- S=Sabbia
- SL=Sabbia Limosa
- LS=Limo Sabbioso
- LA=Limo Argilloso
- AL=Argilla Limosa
- A=Argilla
- TF=Terza o Fango

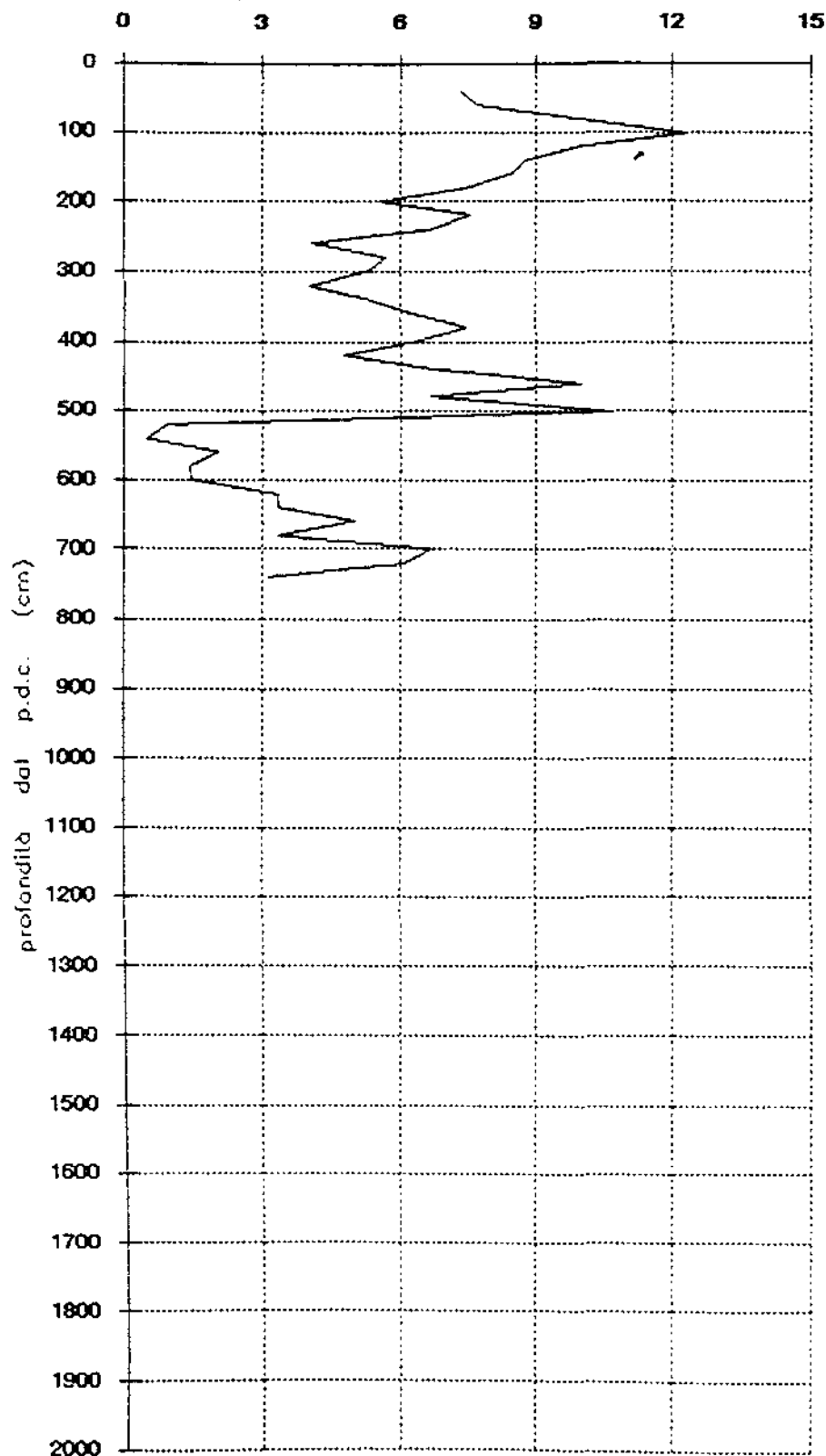




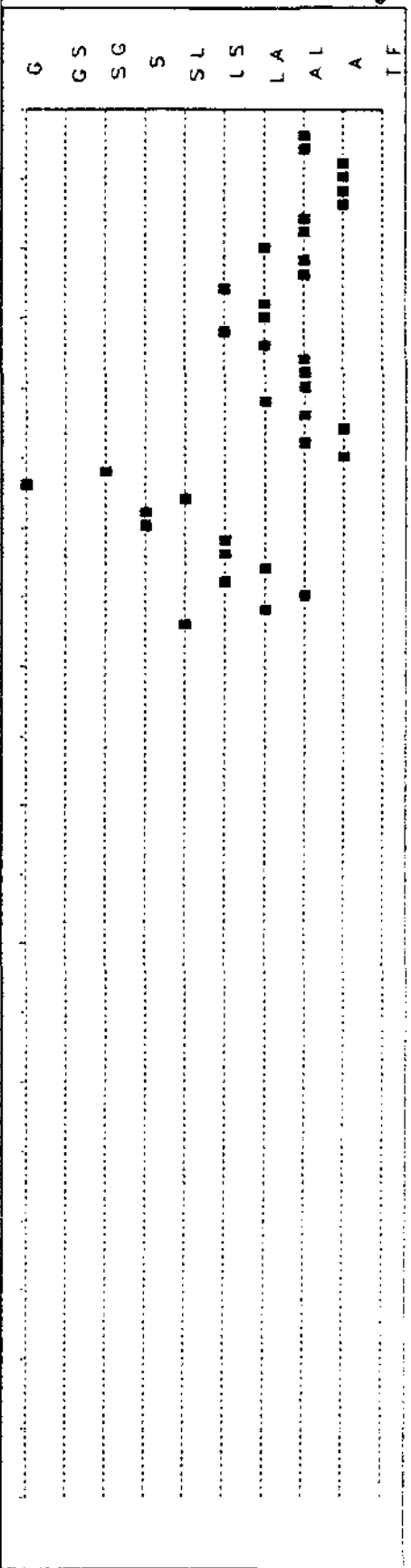
località: CASTELFRANCO DI SOTTO (PI) data: 28.06.1992 CPT n. -

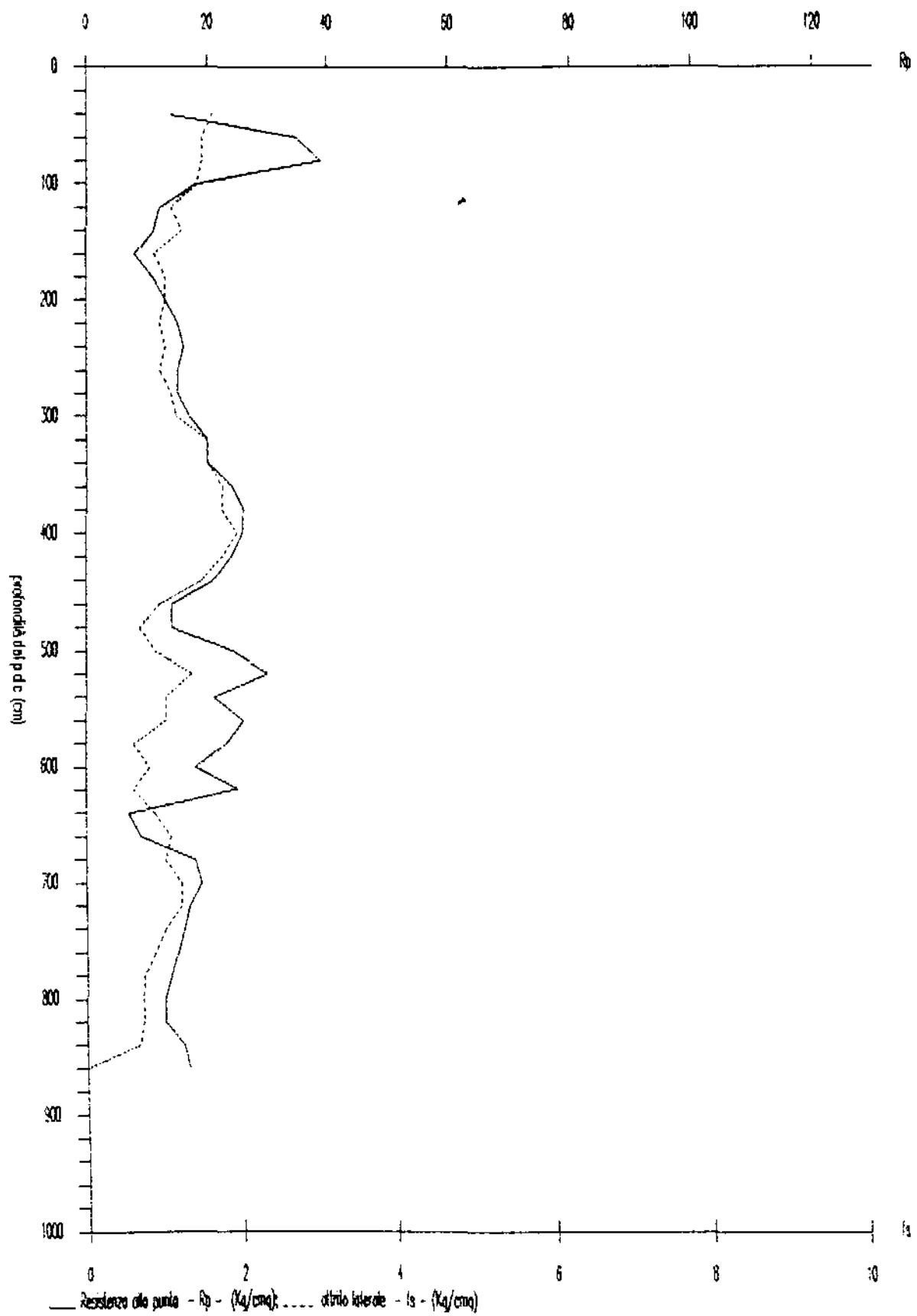
Interpretazione stratigrafica secondo SEARLE (1979)

rapporto delle resistenze - $R_f \% = (f_s \times 100) / q_c$



- G=Ghiaia LA=Limo Argilloso
- GS=Ghiaia Sabbiosa
- SG=Sabbie Ghiaiose
- S=Sabbia AL=Argilla Limosa
- SL=Sabbia Limosa A=Argilla
- LS=Limo Sabbioso TF=Torbe o Fango

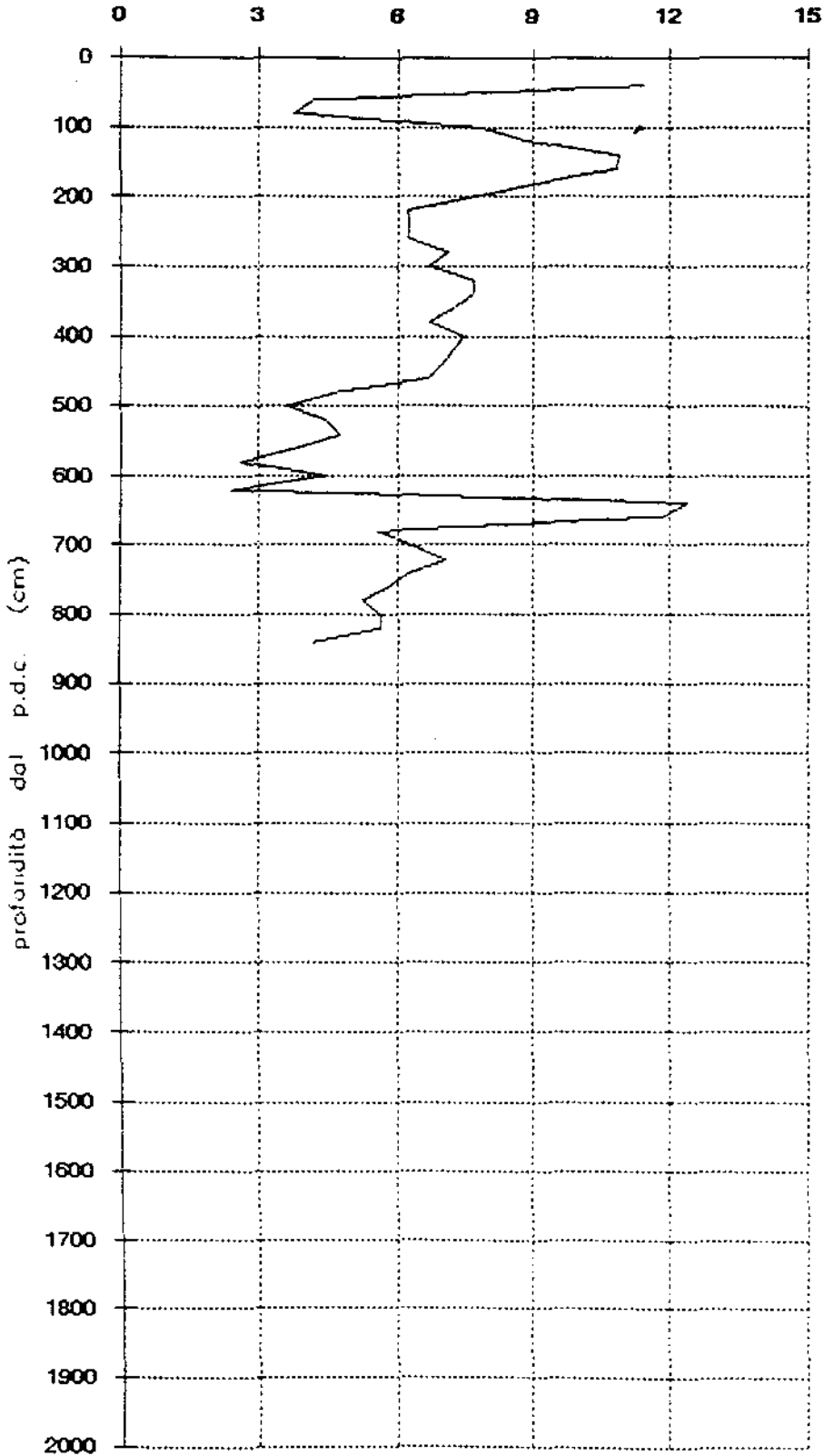




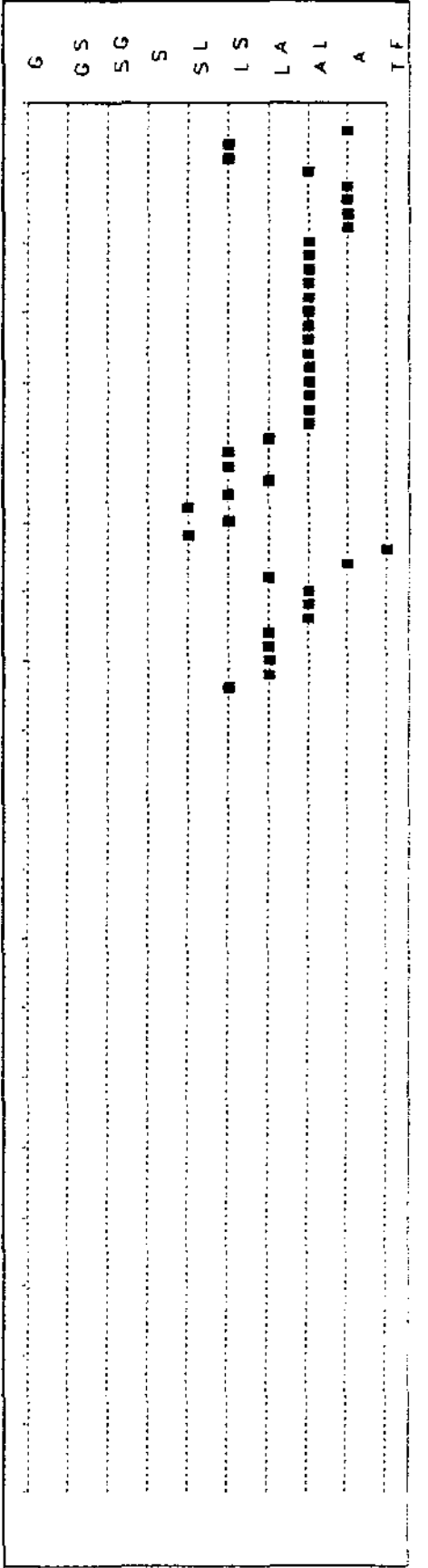
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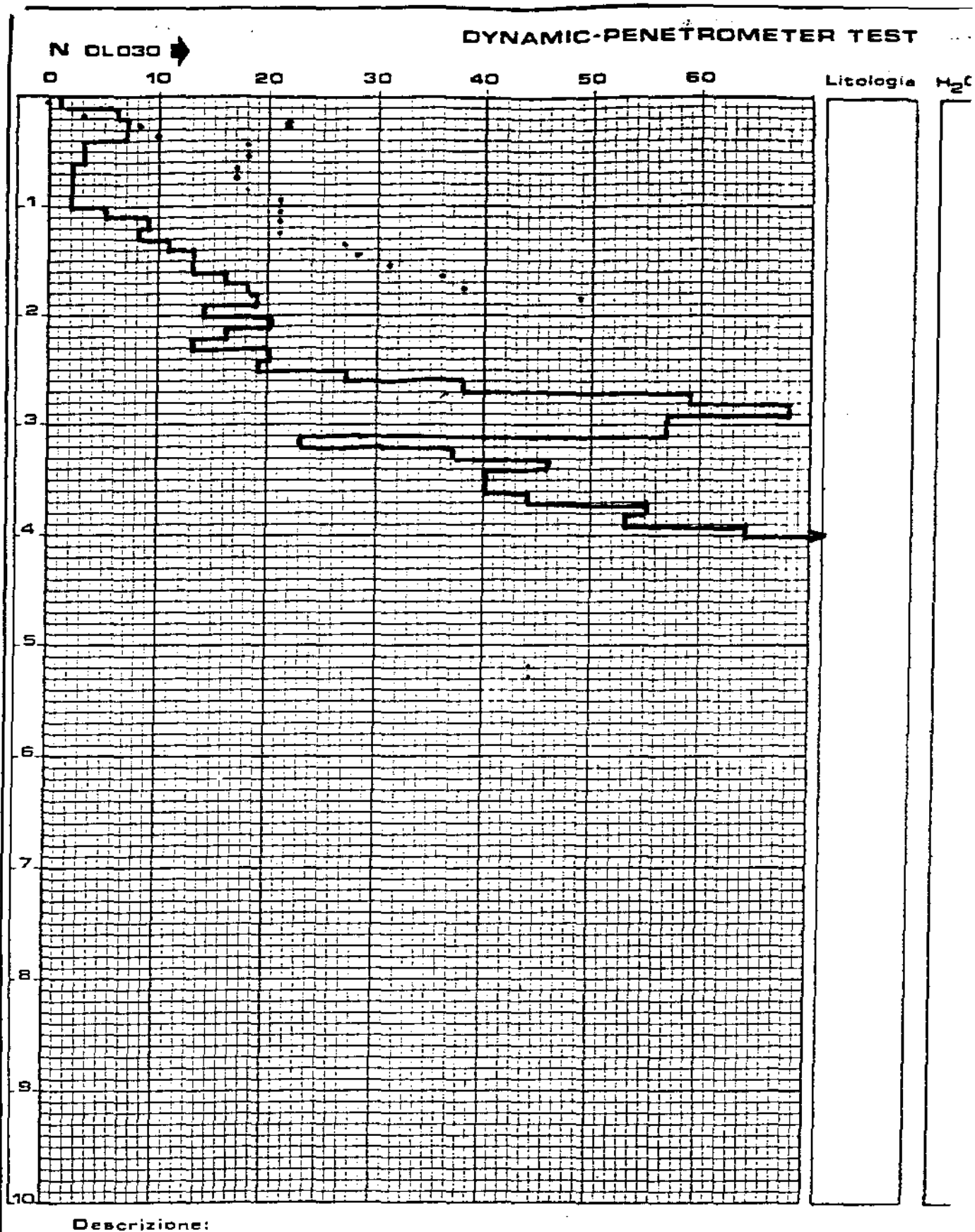
Interpretazione stratigrafica secondo SEARLE (1979)

rapporto delle resistenze - Rf % = (fs x 100) / qc



- G=Ghiale LA=Limo Argilloso
- GS=Ghiaia Sabbiosa
- SG=Sabbia Ghiaiosa
- S=Sabbia AL=Argilla Limosa
- SL=Sabbia Limosa A=Argilla
- LS=Limo Sabbioso TF=Turba o Fango



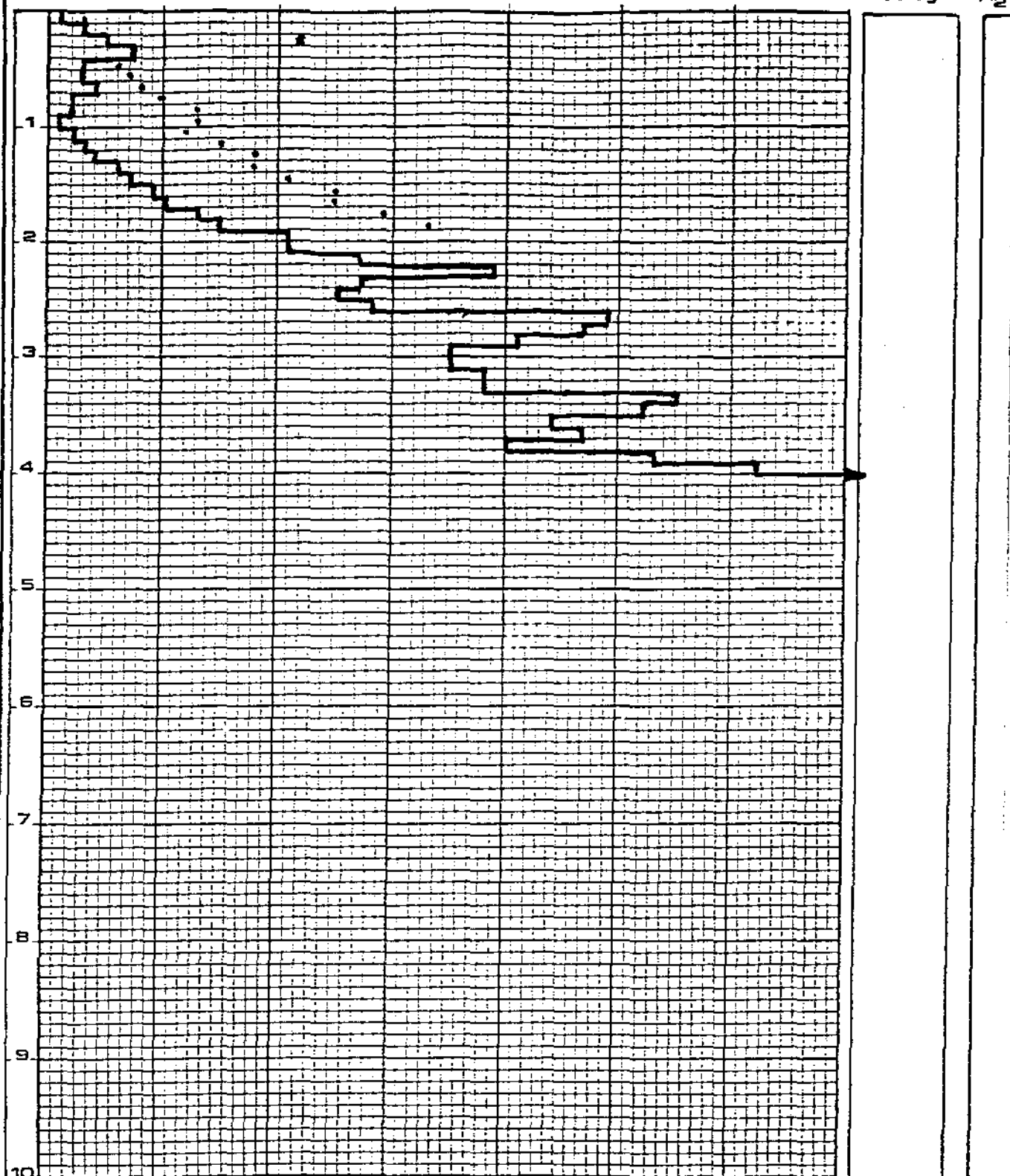


DYNAMIC-PENETROMETER TEST

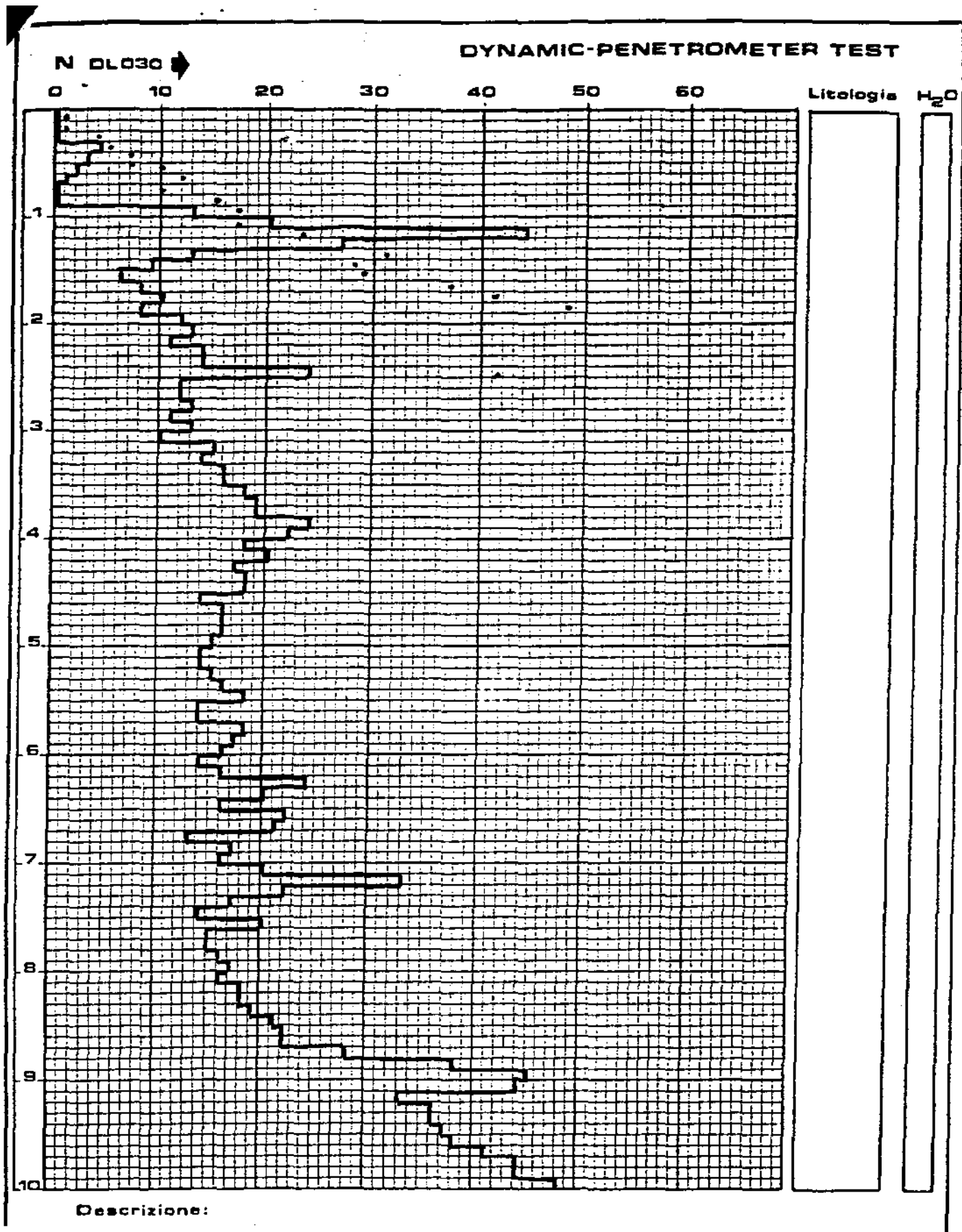
N DL030 →

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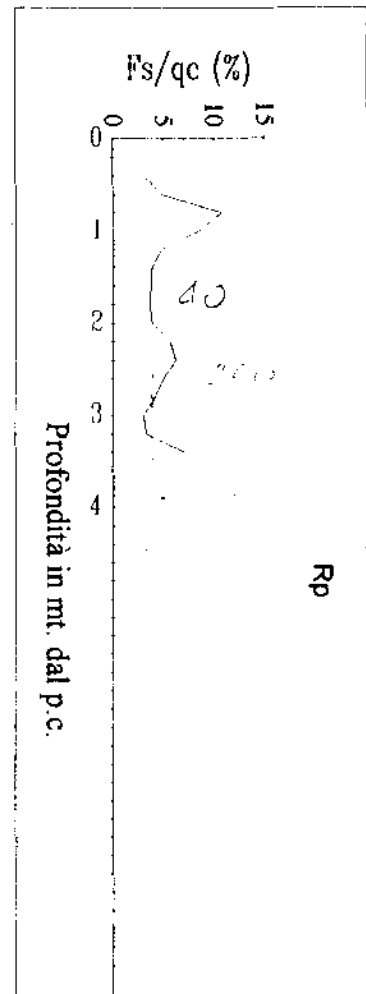
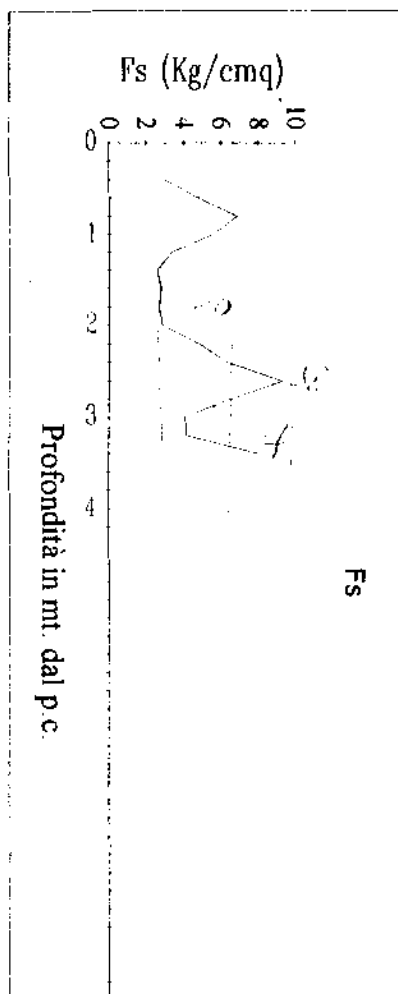
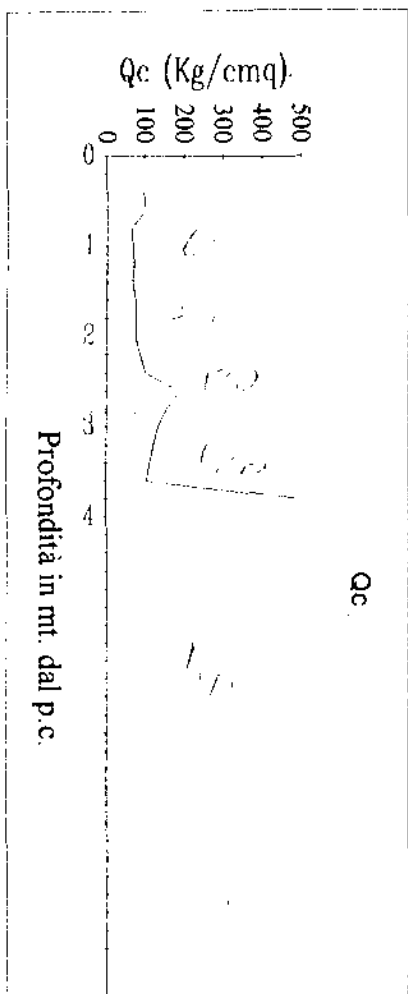
Litologia H₂C



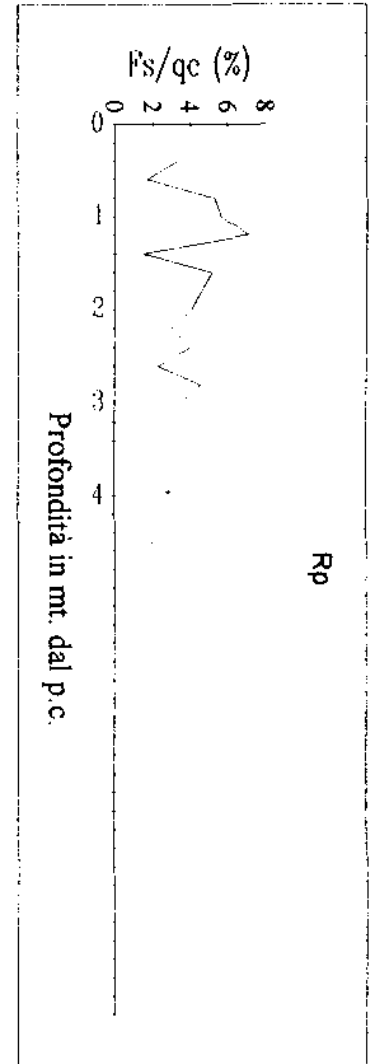
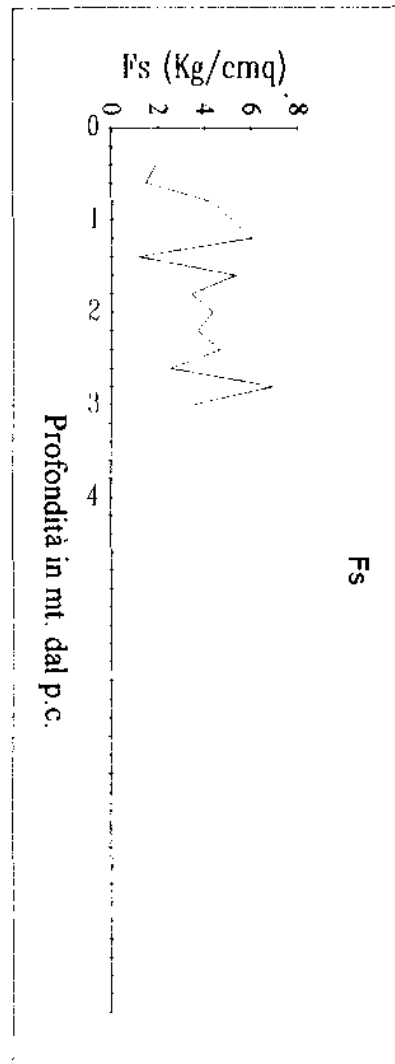
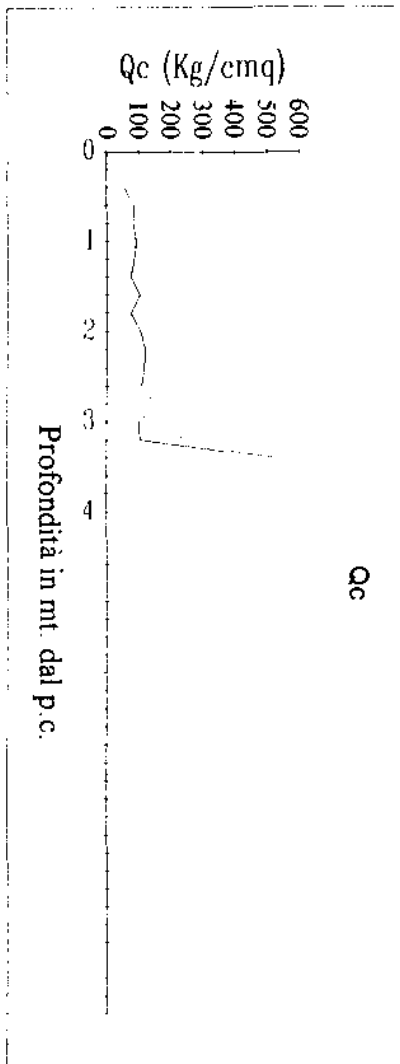
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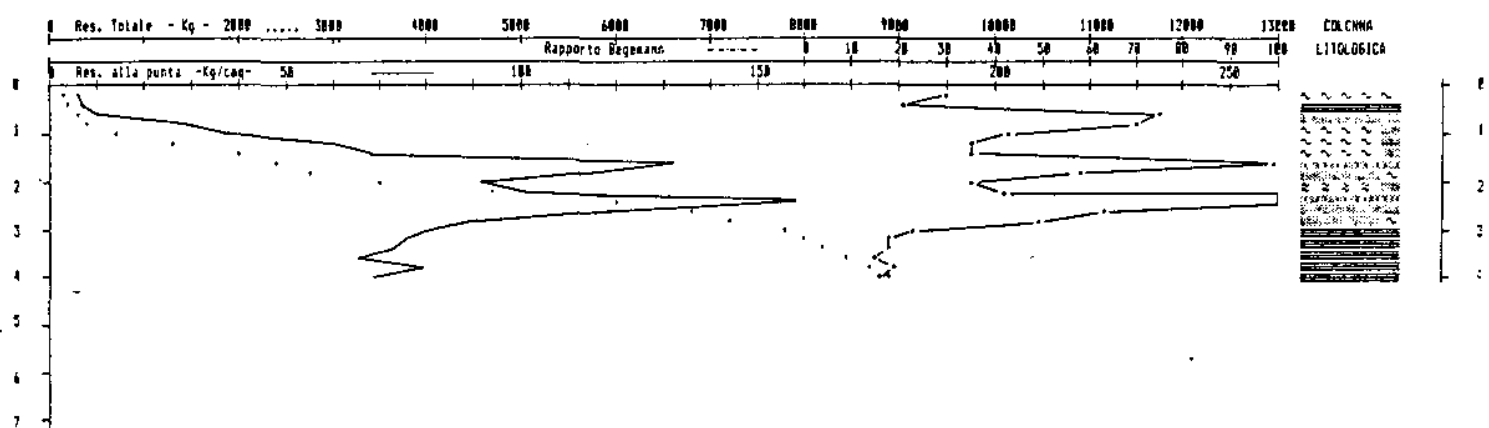


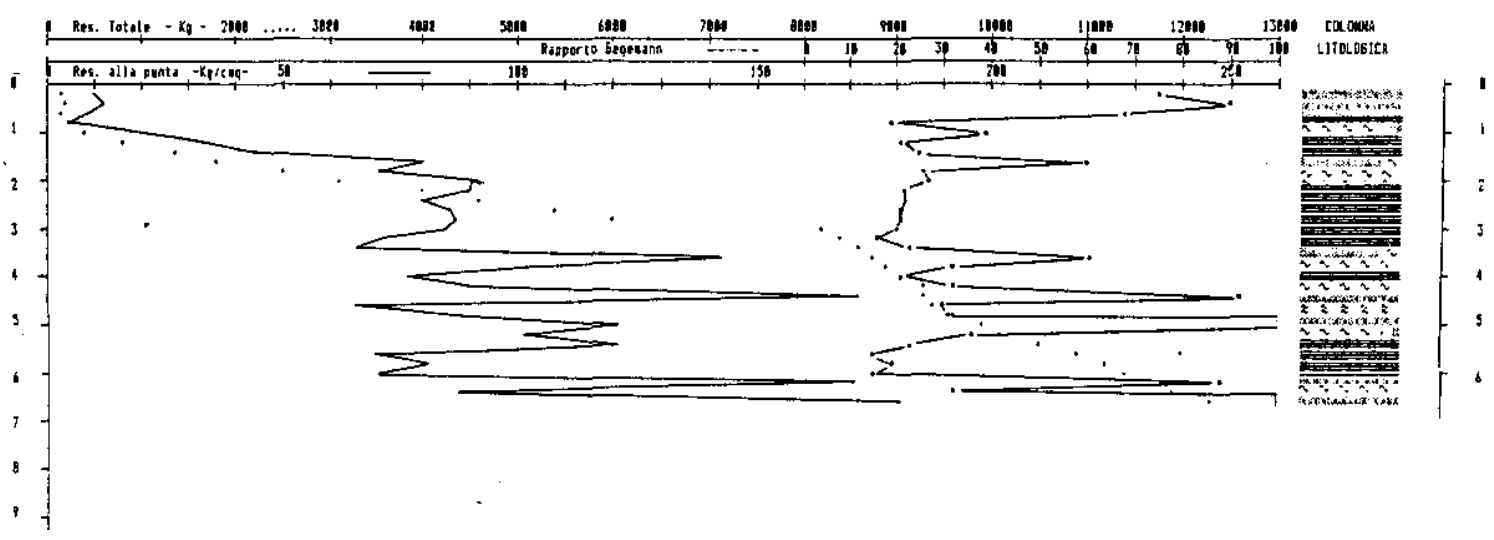
Penetrometria CPT n°1 - 26/09/92 Orentano - Castelfranco di Sotto (PI)

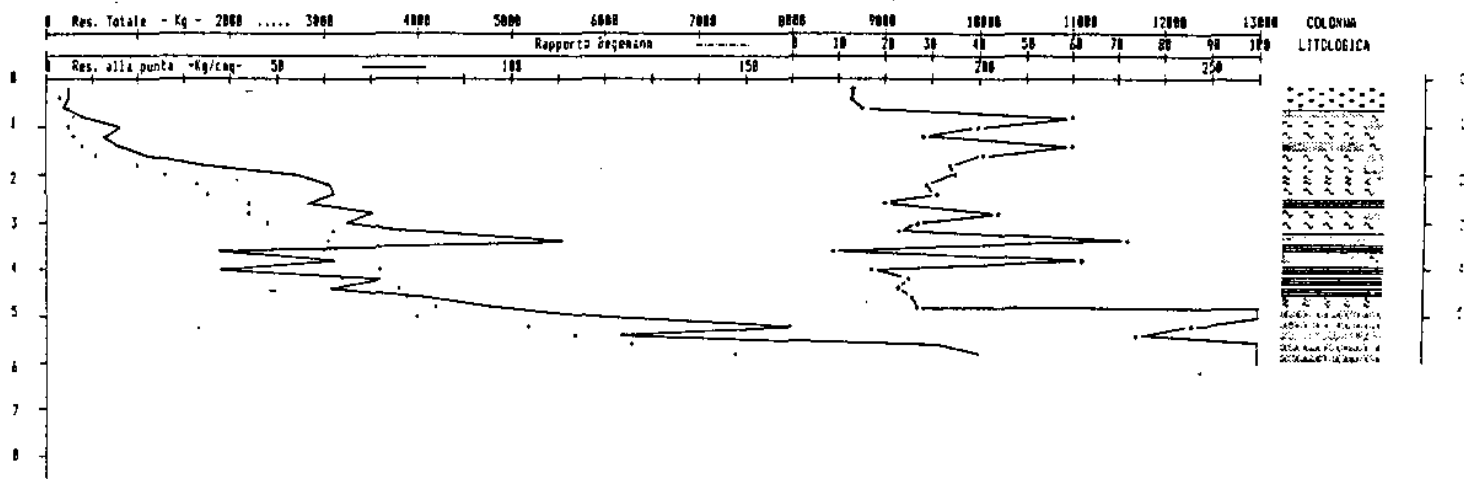


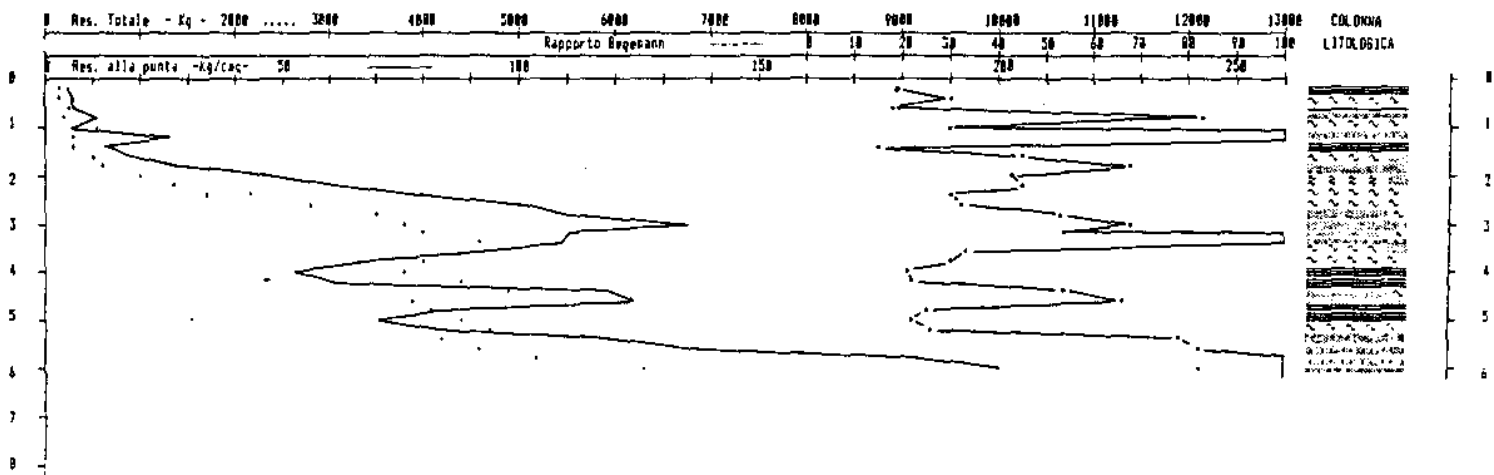
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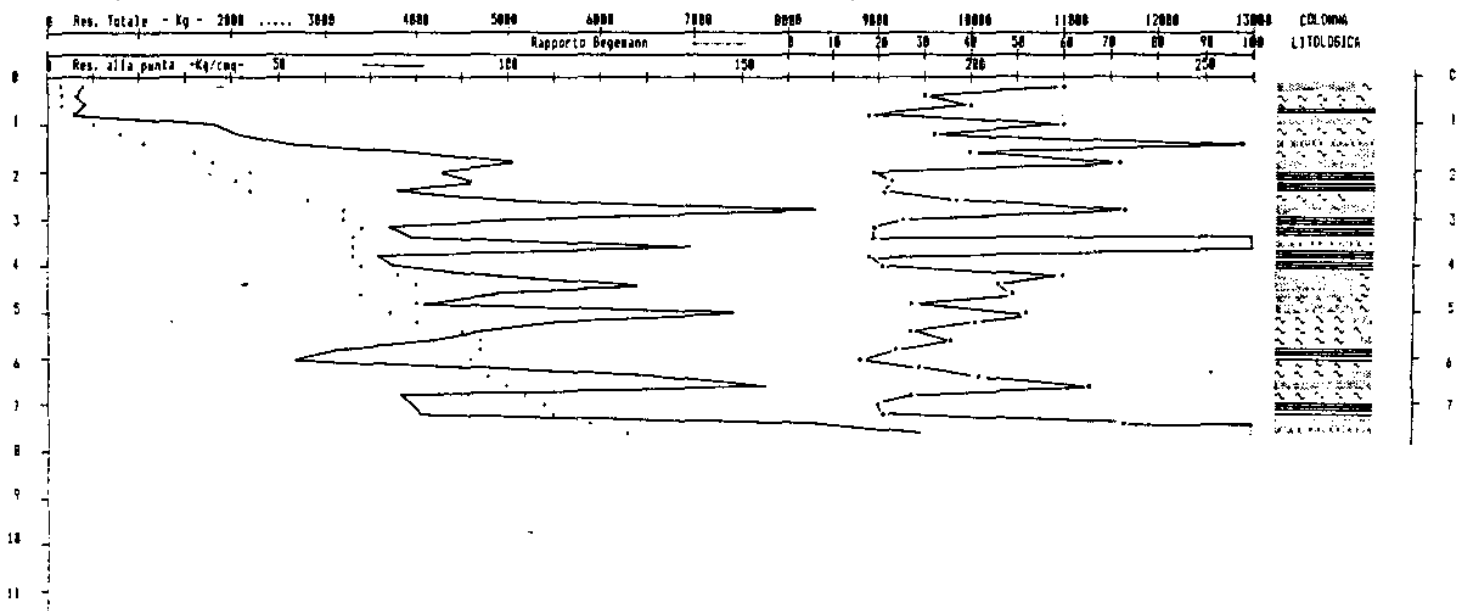
Penetrometria CPT n°2 - 26/09/992 Orentano - Castelfranco di Sotto (PI)

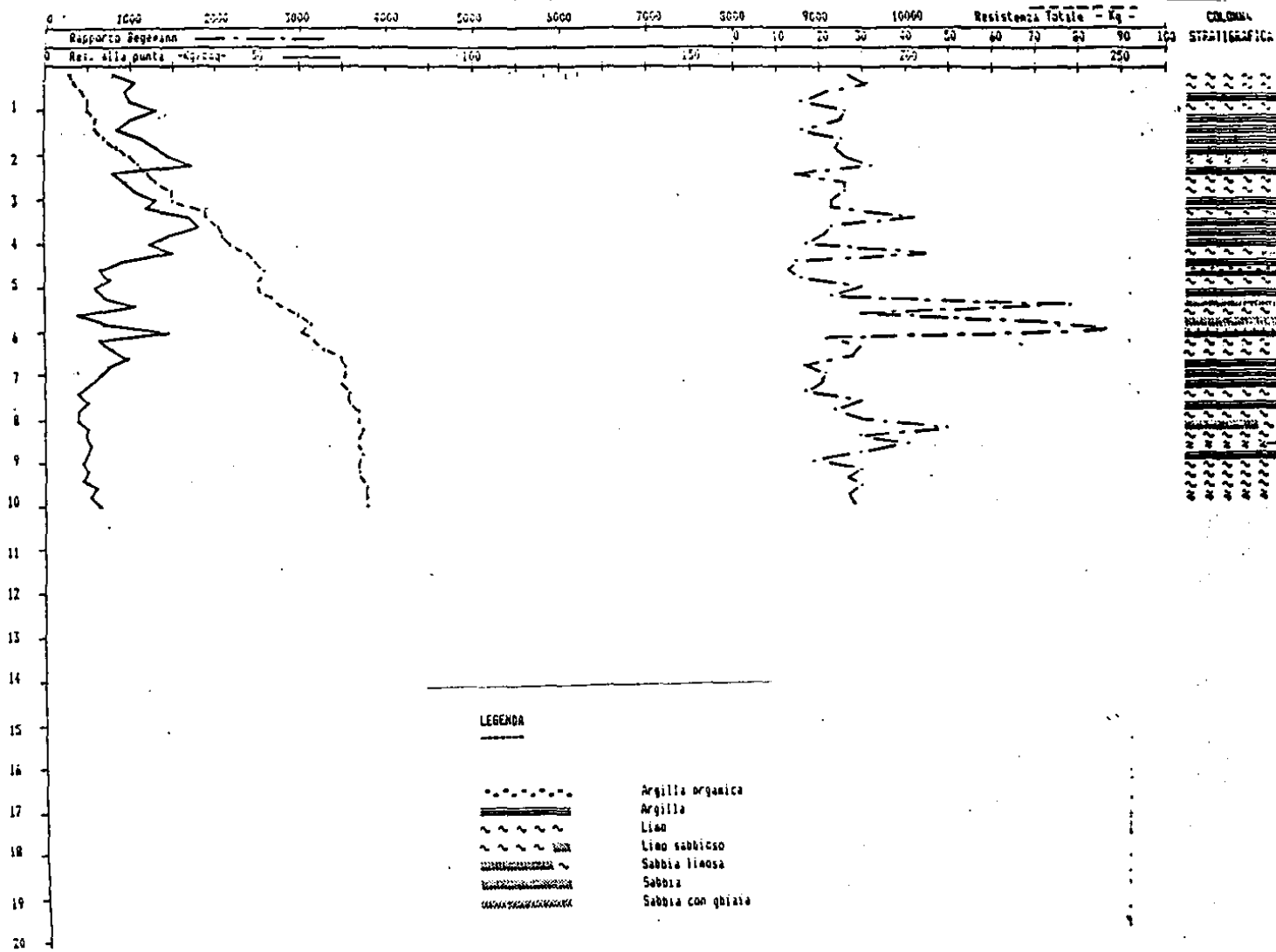




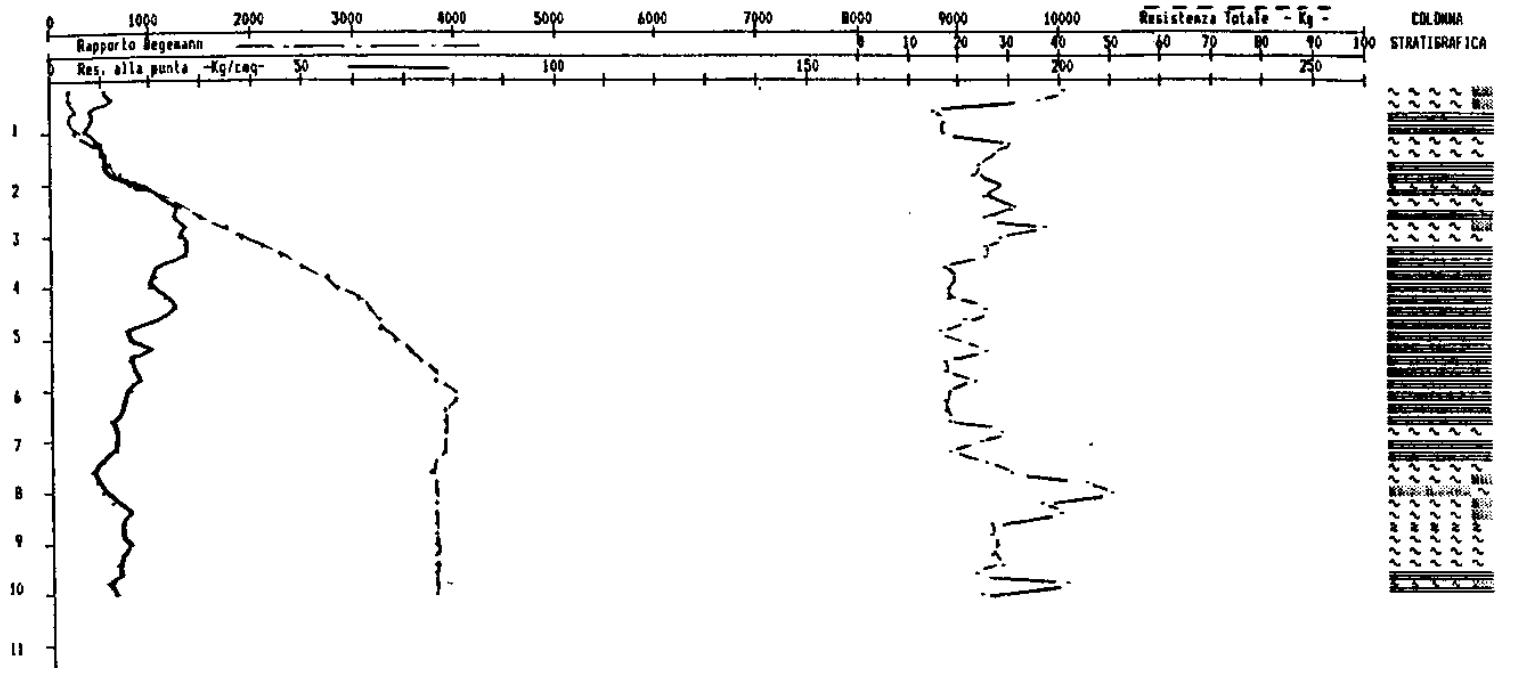


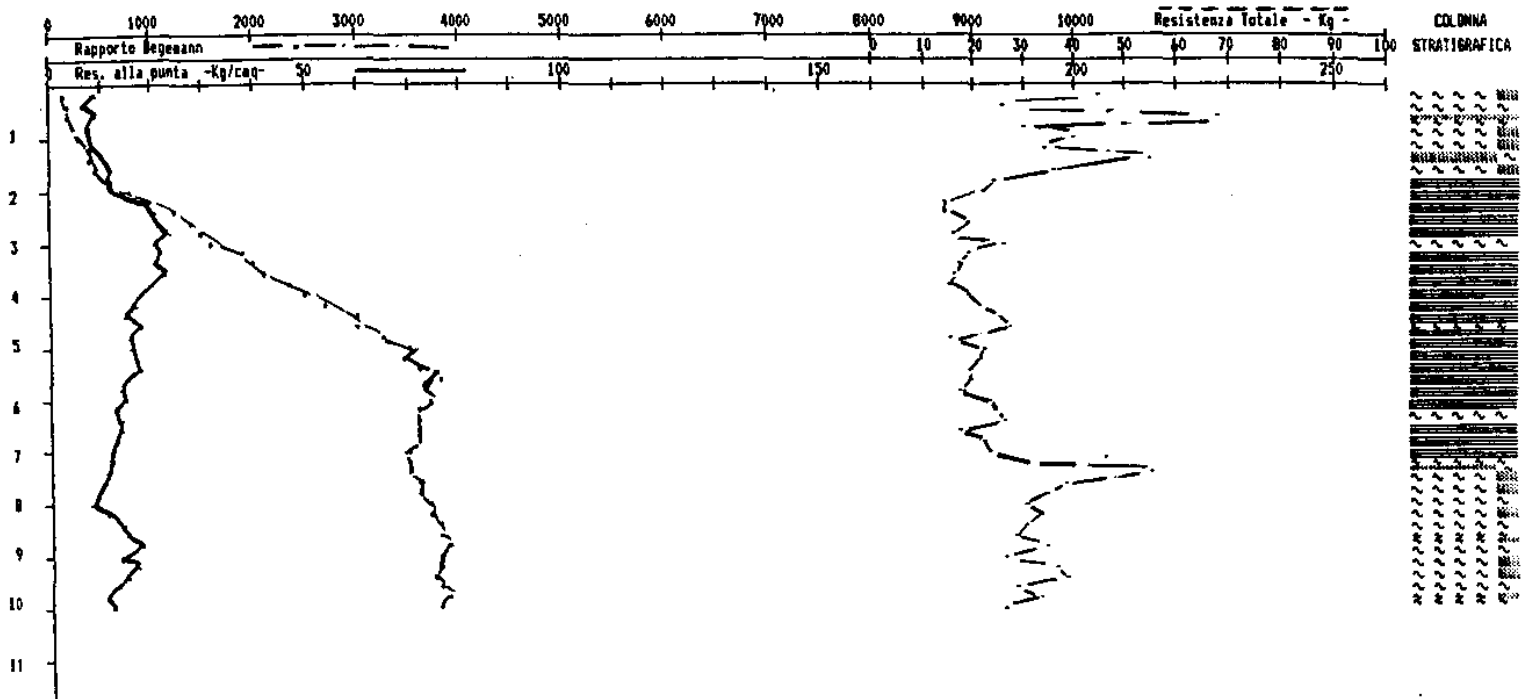


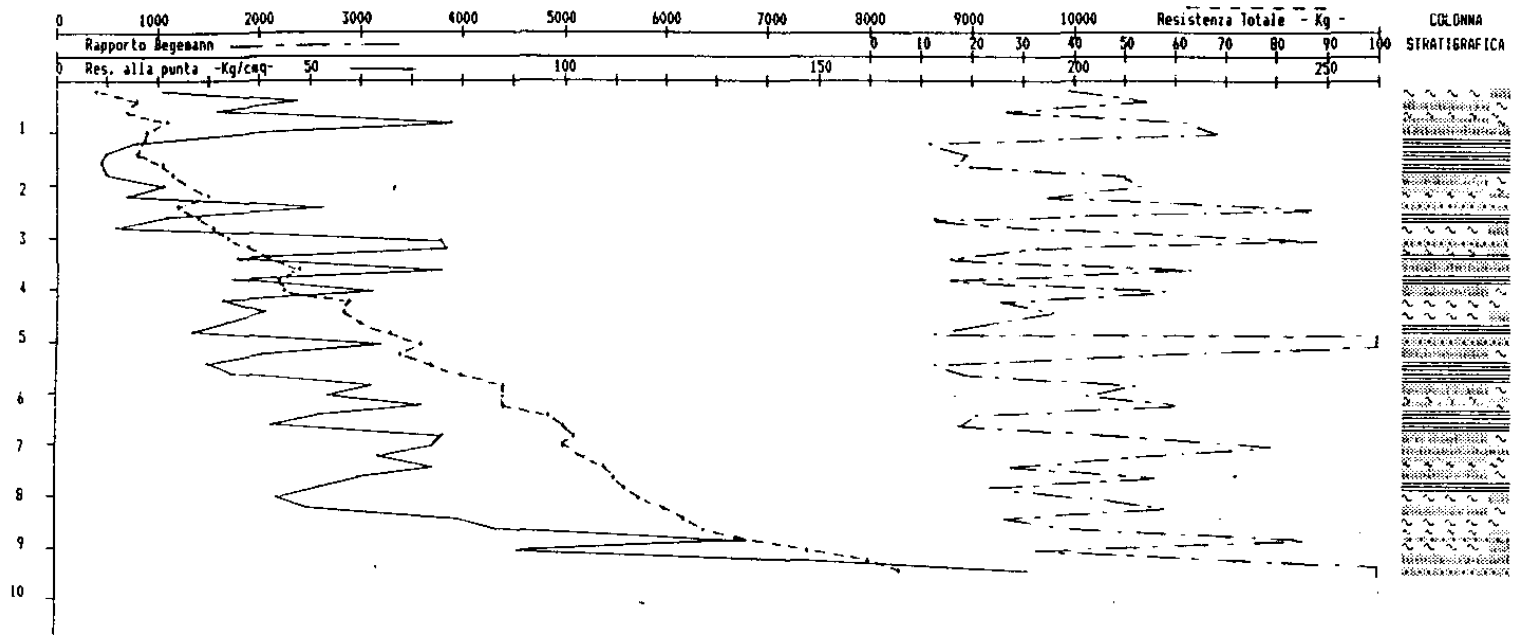




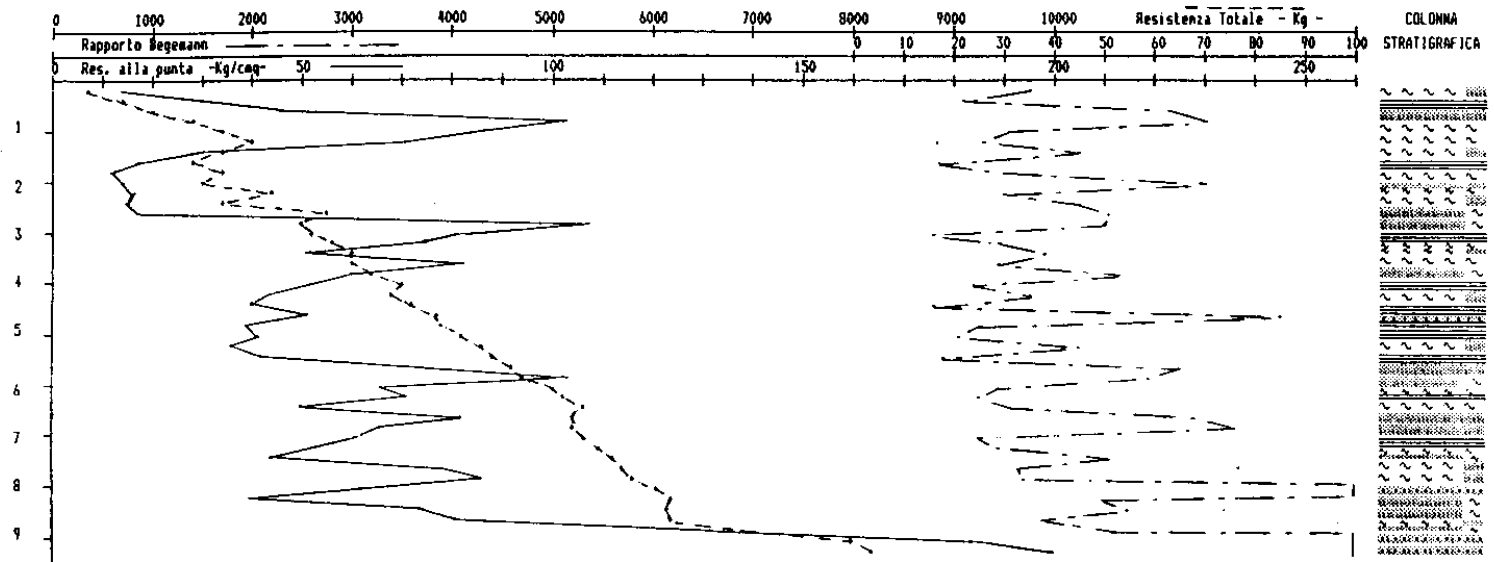
part. IVA 0049600 050 6

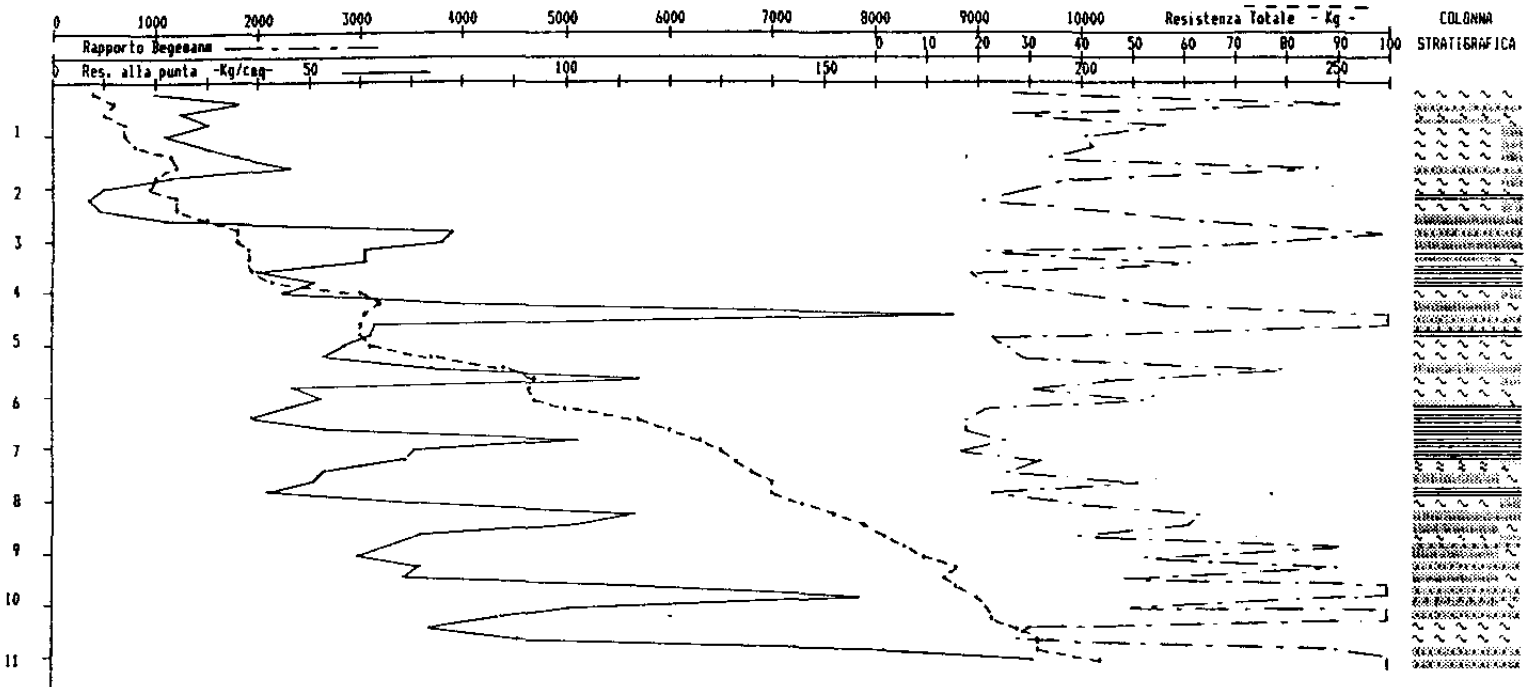


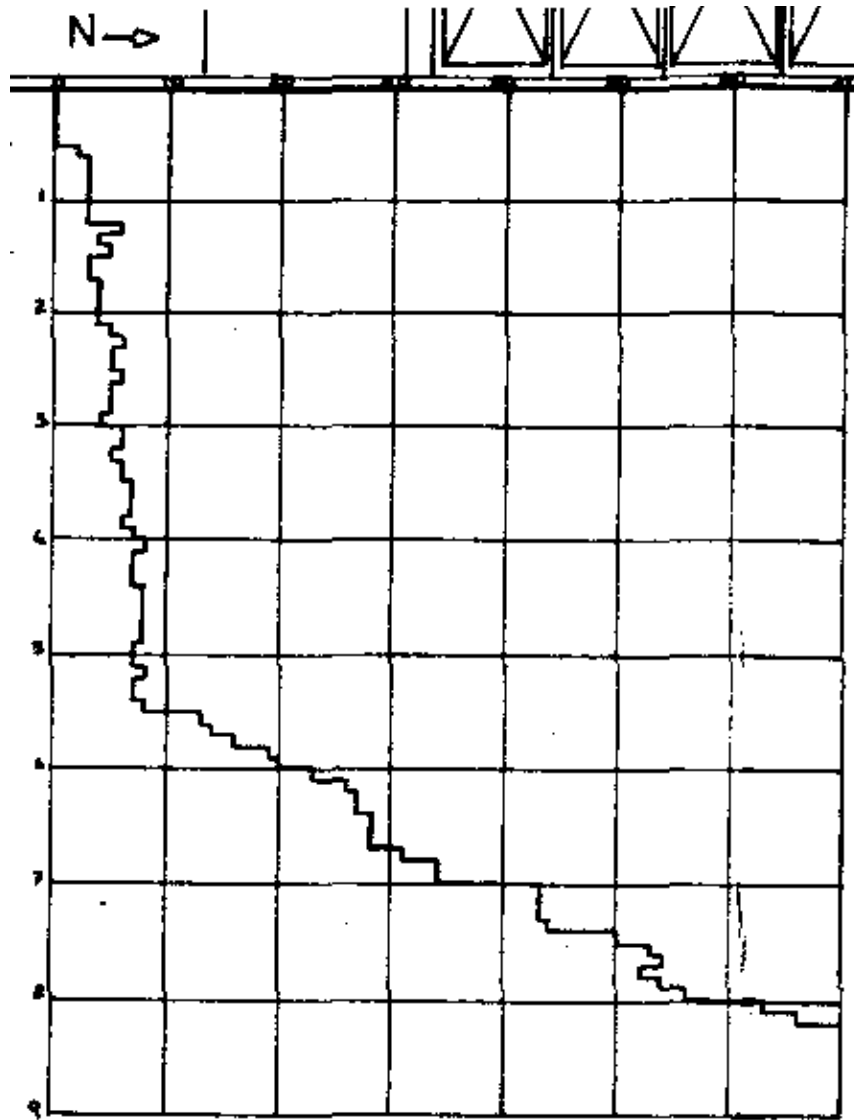




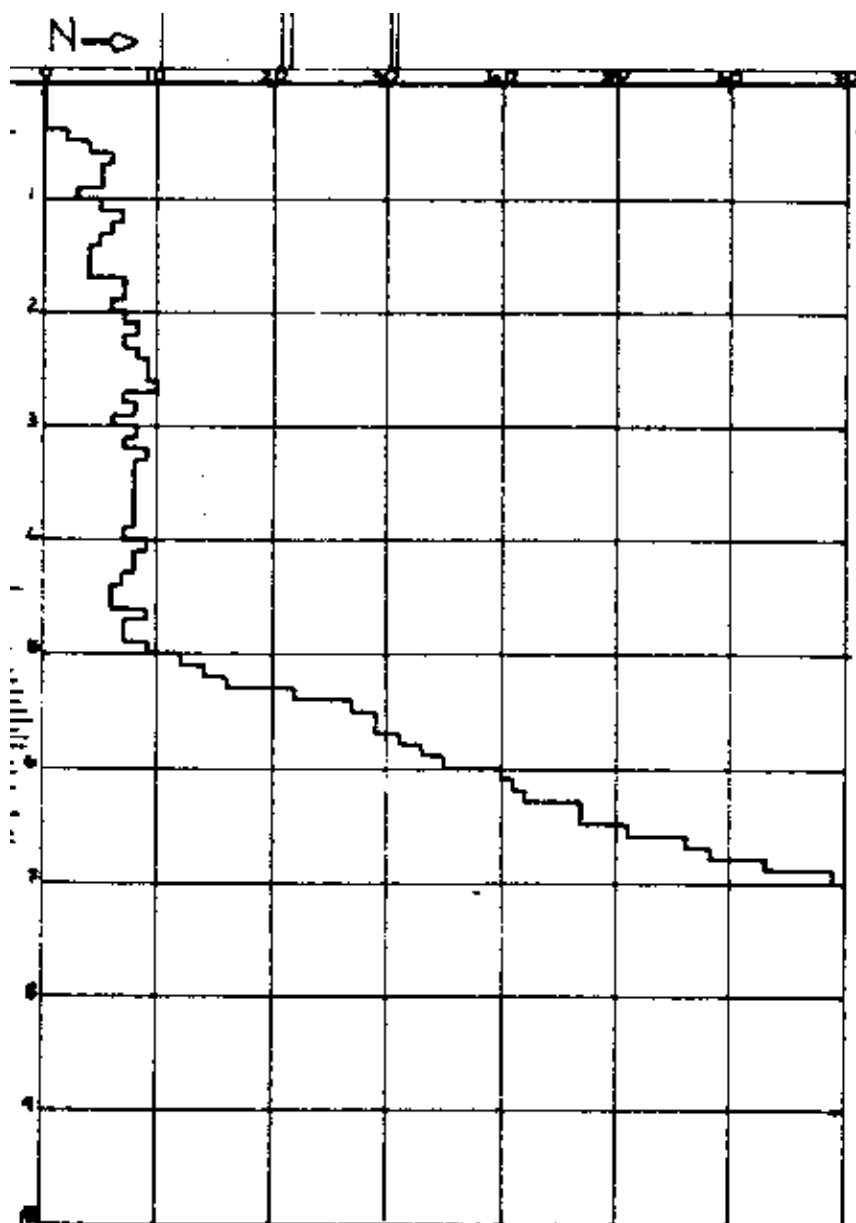
Data : 18-6-91



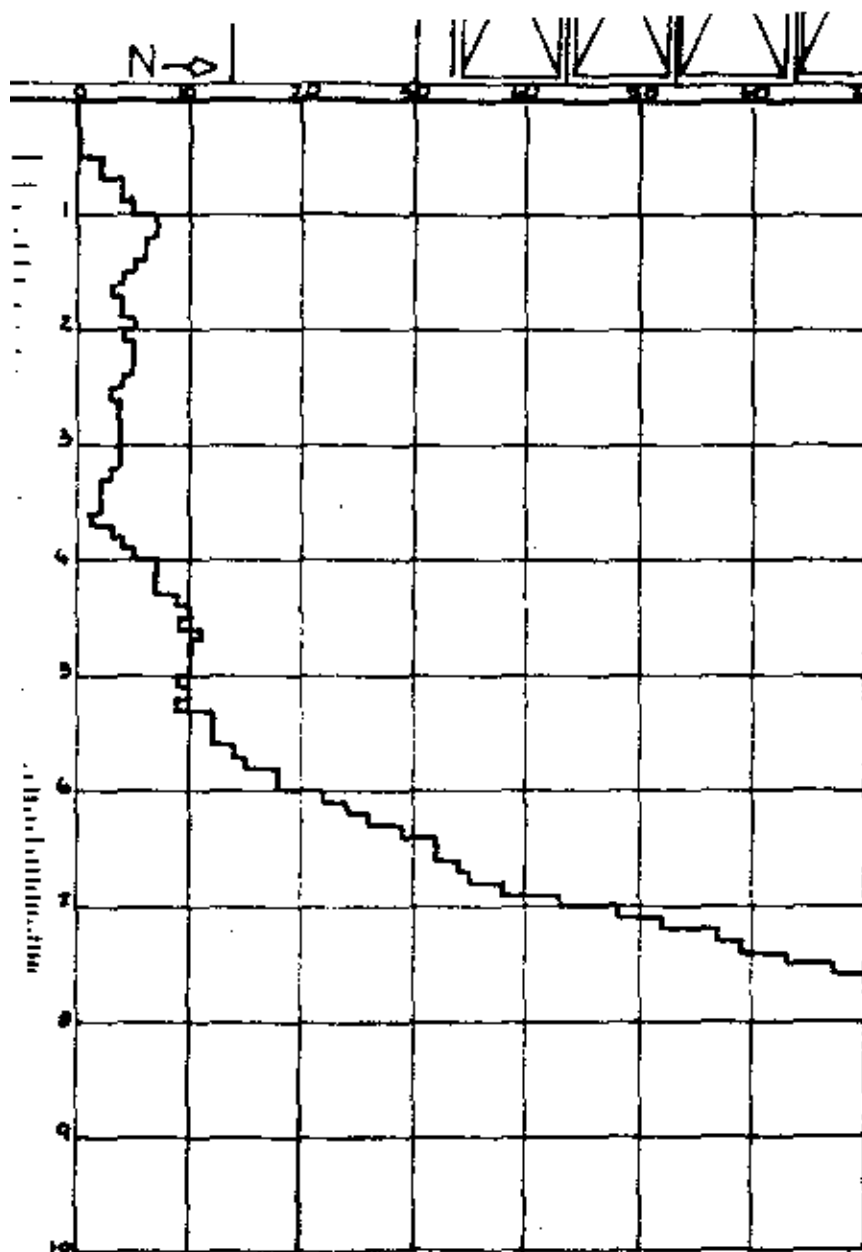




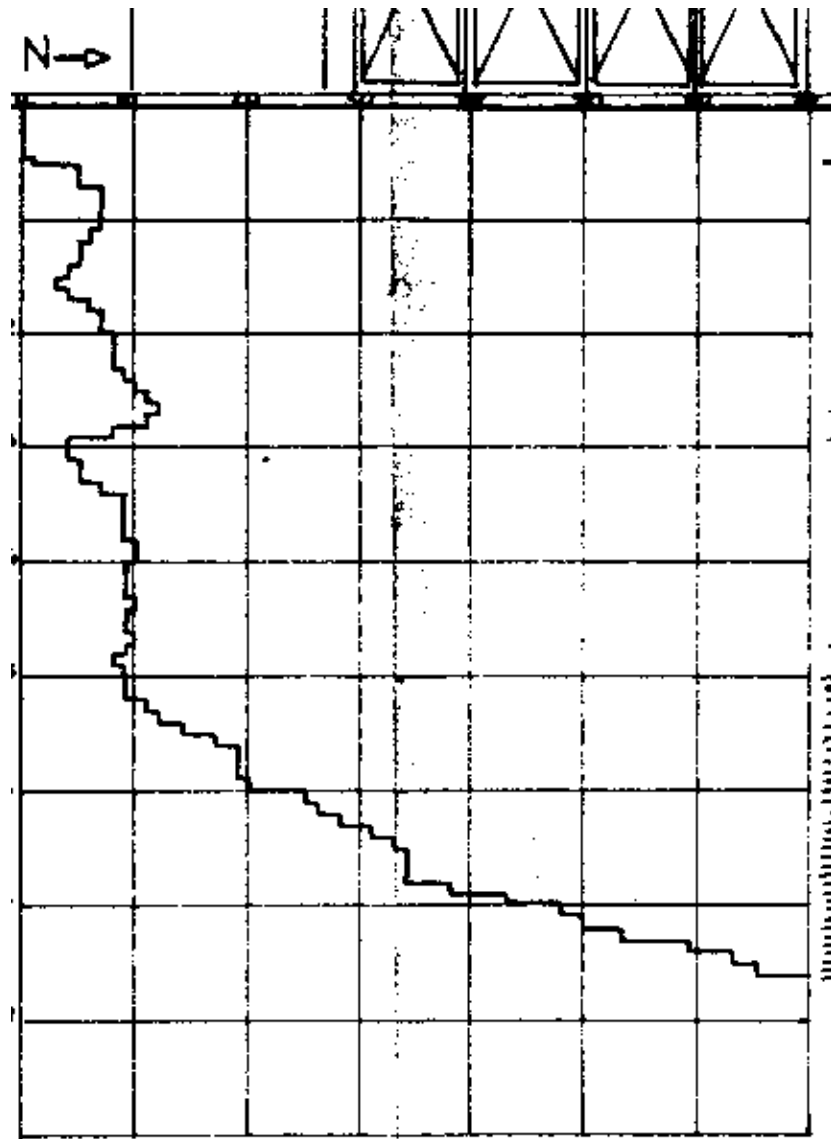
P.P.1



P.P.2



P.P.3

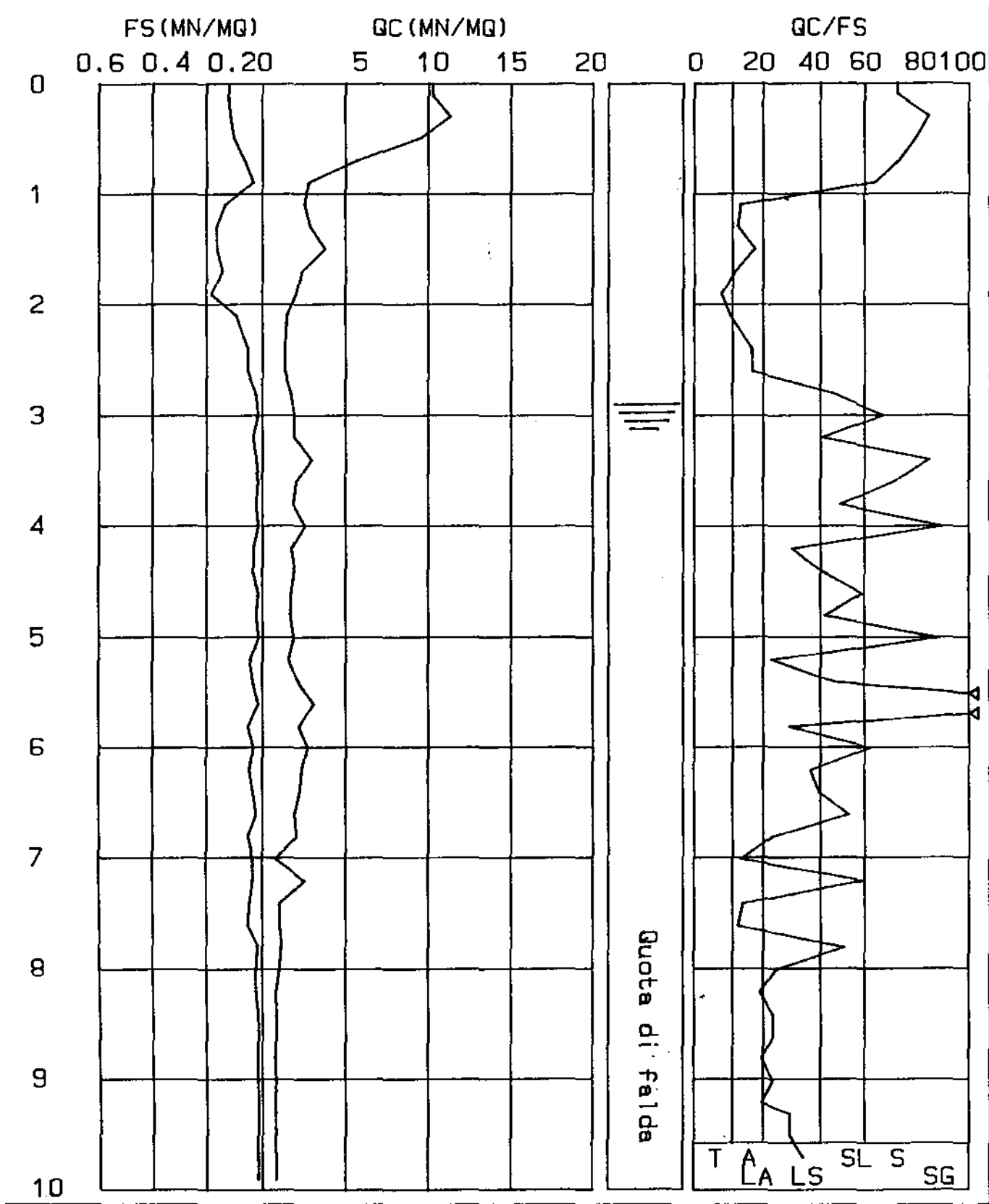


P.P.4

I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X
I	0.00	100	120	1.33	75.19	I	10.00	8	11	0.20	40.00	I					
I	0.20	100	120	1.33	75.19	I	10.20	7	12	0.33	21.21	I					
I	0.40	111	130	1.27	87.40	I	10.40	7	12	0.33	21.21	I					
I	0.60	93	110	1.13	82.30	I	10.60	7	11	0.27	25.93	I					
I	0.80	56	67	0.73	76.71	I						I					
I	1.00	27	33	0.40	67.50	I						I					
I	1.20	25	47	1.47	17.01	I						I					
I	1.40	28	54	1.73	16.18	I						I					
I	1.60	37	62	1.67	22.16	I						I					
I	1.80	23	46	1.53	15.03	I						I					
I	2.00	20	48	1.87	10.70	I						I					
I	2.20	14	30	1.07	13.08	I						I					
I	2.40	13	22	0.60	21.67	I						I					
I	2.60	13	22	0.60	21.67	I						I					
I	2.80	17	22	0.33	51.52	I						I					
I	3.00	19	23	0.27	70.37	I						I					
I	3.20	19	25	0.40	47.50	I						I					
I	3.40	29	34	0.33	87.88	I						I					
I	3.60	20	24	0.27	74.07	I						I					
I	3.80	18	23	0.33	54.55	I						I					
I	4.00	25	29	0.27	92.59	I						I					
I	4.20	17	24	0.47	36.17	I						I					
I	4.40	19	25	0.40	47.50	I						I					
I	4.60	17	21	0.27	62.96	I						I					
I	4.80	16	21	0.33	48.48	I						I					
I	5.00	18	21	0.20	90.00	I						I					
I	5.20	15	23	0.53	28.30	I						I					
I	5.40	21	27	0.40	52.50	I						I					
I	5.60	30	33	0.20	150.00	I						I					
I	5.80	21	30	0.60	35.00	I						I					
I	6.00	26	32	0.40	65.00	I						I					
I	6.20	23	31	0.53	43.40	I						I					
I	6.40	22	29	0.47	46.81	I						I					
I	6.60	19	24	0.33	57.58	I						I					
I	6.80	20	30	0.67	29.85	I						I					
I	7.00	8	15	0.47	17.02	I						I					
I	7.20	25	31	0.40	62.50	I						I					
I	7.40	10	18	0.53	18.87	I						I					
I	7.60	10	19	0.60	16.67	I						I					
I	7.80	11	14	0.20	55.00	I						I					
I	8.00	10	15	0.33	30.30	I						I					
I	8.20	8	13	0.33	24.24	I						I					
I	8.40	8	12	0.27	29.63	I						I					
I	8.60	8	12	0.27	29.63	I						I					
I	8.80	7	11	0.27	25.93	I						I					
I	9.00	8	12	0.27	29.63	I						I					
I	9.20	7	11	0.27	25.93	I						I					
I	9.40	7	10	0.20	35.00	I						I					
I	9.60	7	10	0.20	35.00	I						I					
I	9.80	8	11	0.20	40.00	I						I					

LEGENDA : PROF. = PROFONDITA' DI INFILSIONE CH. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS t
 RL = RESISTENZA LATERALE TOTALE dN/cm²

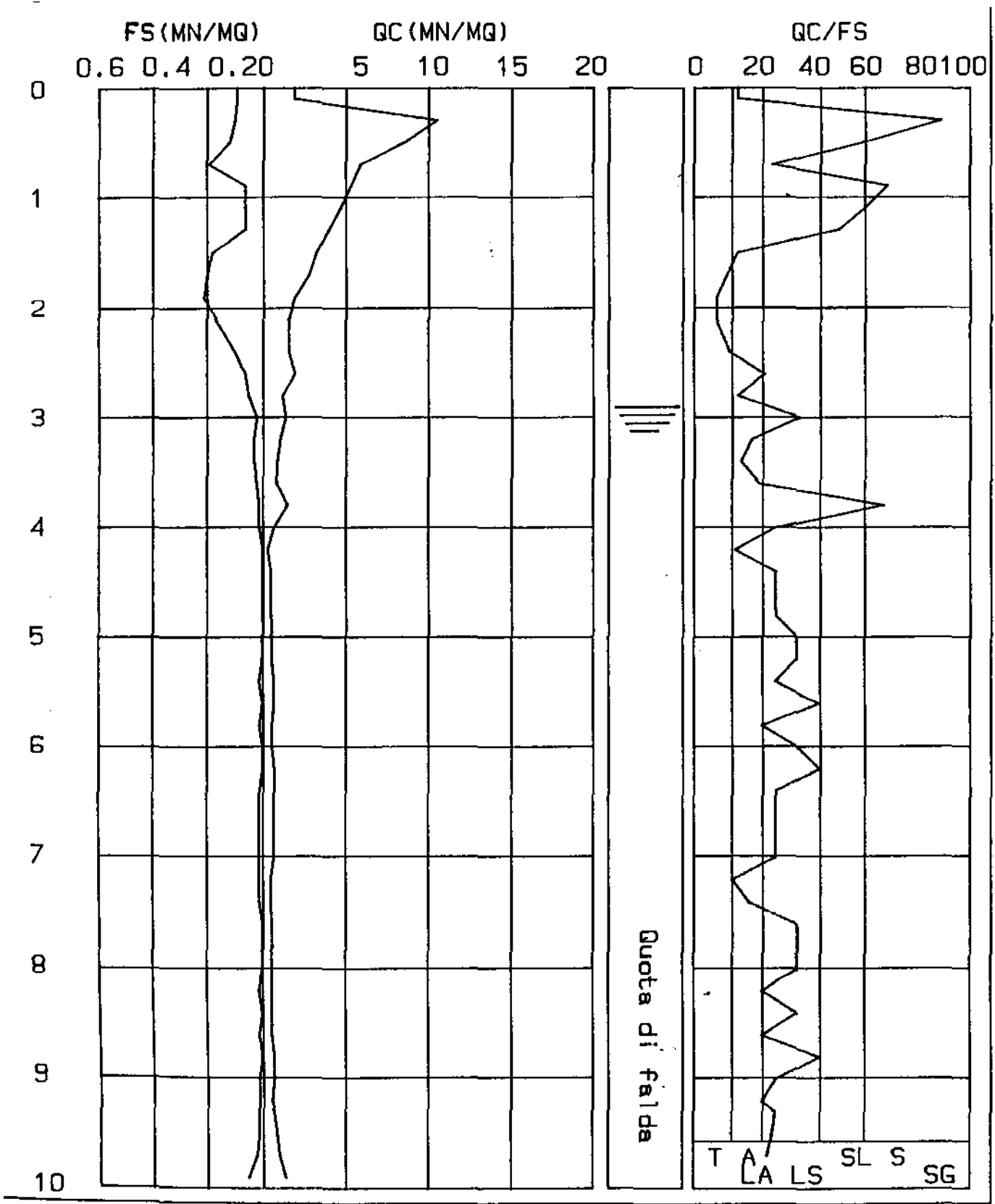
LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO



I	PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X
I	0.00	18	34	1.07	16.82	I	10.00	13	22	0.60	21.67	I					
I	0.20	18	34	1.07	16.82	I	10.20	21	28	0.47	44.68	I					
I	0.40	103	120	1.13	91.15	I	10.40	20	26	0.40	50.00	I					
I	0.60	84	104	1.33	63.16	I	10.60	33	45	0.80	41.25	I					
I	0.80	58	88	2.00	29.00	I						I					
I	1.00	52	63	0.73	71.23	I						I					
I	1.20	46	57	0.73	63.01	I						I					
I	1.40	39	50	0.73	53.42	I						I					
I	1.60	31	60	1.93	16.06	I						I					
I	1.80	27	59	2.13	12.68	I						I					
I	2.00	18	51	2.20	8.18	I						I					
I	2.20	15	42	1.80	8.33	I						I					
I	2.40	15	32	1.13	13.27	I						I					
I	2.60	19	30	0.73	26.03	I						I					
I	2.80	11	21	0.67	16.42	I						I					
I	3.00	13	18	0.33	39.39	I						I					
I	3.20	10	17	0.47	21.28	I						I					
I	3.40	8	15	0.47	17.02	I						I					
I	3.60	8	13	0.33	24.24	I						I					
I	3.80	14	17	0.20	70.00	I						I					
I	4.00	6	9	0.20	30.00	I						I					
I	4.20	2	4	0.13	15.38	I						I					
I	4.40	4	6	0.13	30.77	I						I					
I	4.60	4	6	0.13	30.77	I						I					
I	4.80	4	6	0.13	30.77	I						I					
I	5.00	5	7	0.13	38.46	I						I					
I	5.20	5	7	0.13	38.46	I						I					
I	5.40	6	9	0.20	30.00	I						I					
I	5.60	6	8	0.13	46.15	I						I					
I	5.80	5	8	0.20	25.00	I						I					
I	6.00	5	7	0.13	38.46	I						I					
I	6.20	6	8	0.13	46.15	I						I					
I	6.40	6	9	0.20	30.00	I						I					
I	6.60	6	9	0.20	30.00	I						I					
I	6.80	6	9	0.20	30.00	I						I					
I	7.00	6	9	0.20	30.00	I						I					
I	7.20	4	8	0.27	14.81	I						I					
I	7.40	4	7	0.20	20.00	I						I					
I	7.60	5	7	0.13	38.46	I						I					
I	7.80	5	7	0.13	38.46	I						I					
I	8.00	5	7	0.13	38.46	I						I					
I	8.20	5	8	0.20	25.00	I						I					
I	8.40	5	7	0.13	38.46	I						I					
I	8.60	5	8	0.20	25.00	I						I					
I	8.80	6	8	0.13	46.15	I						I					
I	9.00	6	9	0.20	30.00	I						I					
I	9.20	5	8	0.20	25.00	I						I					
I	9.40	6	9	0.20	30.00	I						I					
I	9.60	8	12	0.27	29.65	I						I					
I	9.80	9	14	0.33	27.27	I						I					

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

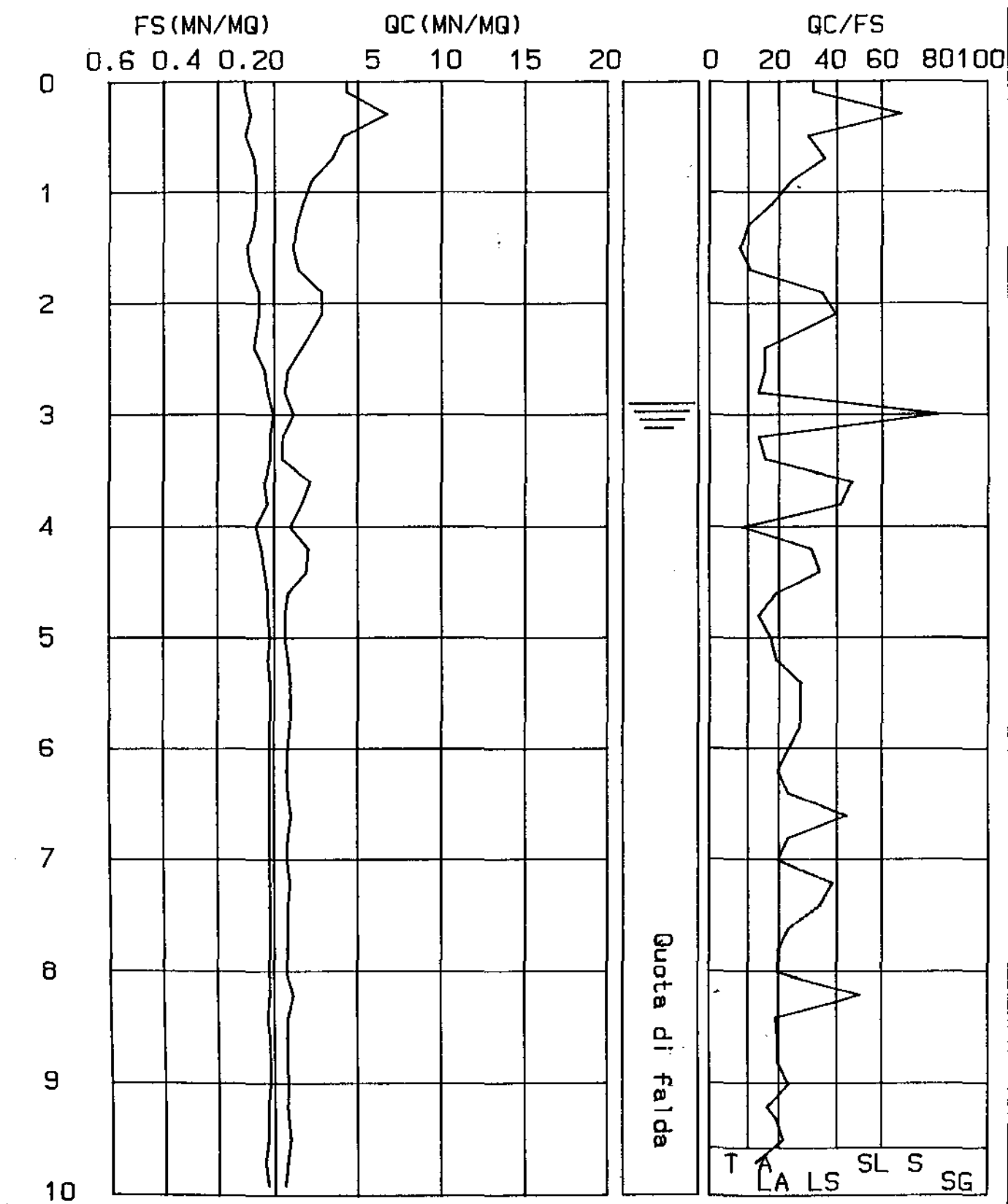
LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO



I	PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X	I
I	0.00	15	25	0.67	22.39	I	10.00	18	29	0.73	24.66	I						I
I	0.20	15	25	0.67	22.39	I	10.20	16	30	0.93	17.20	I						I
I	0.40	88	95	0.47	187.23	I	10.40	16	27	0.73	21.92	I						I
I	0.60	83	104	1.40	59.29	I	10.60	17	28	0.73	23.29	I						I
I	0.80	75	88	0.87	86.21	I						I						I
I	1.00	55	71	1.07	51.40	I						I						I
I	1.20	48	67	1.27	37.80	I						I						I
I	1.40	25	51	1.73	14.45	I						I						I
I	1.60	11	33	1.47	7.48	I						I						I
I	1.80	8	22	0.93	8.60	I						I						I
I	2.00	7	14	0.47	14.89	I						I						I
I	2.20	6	11	0.33	18.18	I						I						I
I	2.40	6	11	0.33	18.18	I						I						I
I	2.60	10	13	0.20	50.00	I						I						I
I	2.80	8	11	0.20	40.00	I						I						I
I	3.00	9	15	0.40	22.50	I						I						I
I	3.20	9	13	0.27	33.33	I						I						I
I	3.40	9	15	0.40	22.50	I						I						I
I	3.60	8	14	0.40	20.00	I						I						I
I	3.80	8	11	0.20	40.00	I						I						I
I	4.00	9	12	0.20	45.00	I						I						I
I	4.20	11	13	0.13	84.62	I						I						I
I	4.40	6	10	0.27	22.22	I						I						I
I	4.60	7	11	0.27	25.93	I						I						I
I	4.80	6	10	0.27	22.22	I						I						I
I	5.00	6	9	0.20	30.00	I						I						I
I	5.20	7	10	0.20	35.00	I						I						I
I	5.40	7	10	0.20	35.00	I						I						I
I	5.60	7	10	0.20	35.00	I						I						I
I	5.80	6	10	0.27	22.22	I						I						I
I	6.00	7	11	0.27	25.93	I						I						I
I	6.20	7	11	0.27	25.93	I						I						I
I	6.40	8	11	0.20	40.00	I						I						I
I	6.60	7	10	0.20	35.00	I						I						I
I	6.80	6	9	0.20	30.00	I						I						I
I	7.00	7	10	0.20	35.00	I						I						I
I	7.20	7	12	0.33	21.21	I						I						I
I	7.40	11	18	0.47	23.40	I						I						I
I	7.60	19	31	0.80	23.75	I						I						I
I	7.80	19	32	0.87	21.84	I						I						I
I	8.00	15	28	0.87	17.24	I						I						I
I	8.20	12	22	0.67	17.91	I						I						I
I	8.40	15	25	0.67	22.39	I						I						I
I	8.60	16	27	0.73	21.92	I						I						I
I	8.80	14	26	0.80	17.50	I						I						I
I	9.00	15	24	0.60	25.00	I						I						I
I	9.20	17	28	0.73	23.29	I						I						I
I	9.40	21	36	1.00	21.00	I						I						I
I	9.60	23	34	0.73	31.51	I						I						I
I	9.80	16	31	1.00	16.00	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM, FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS
 RL = RESISTENZA LATERALE TOTALE dN/cm²

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
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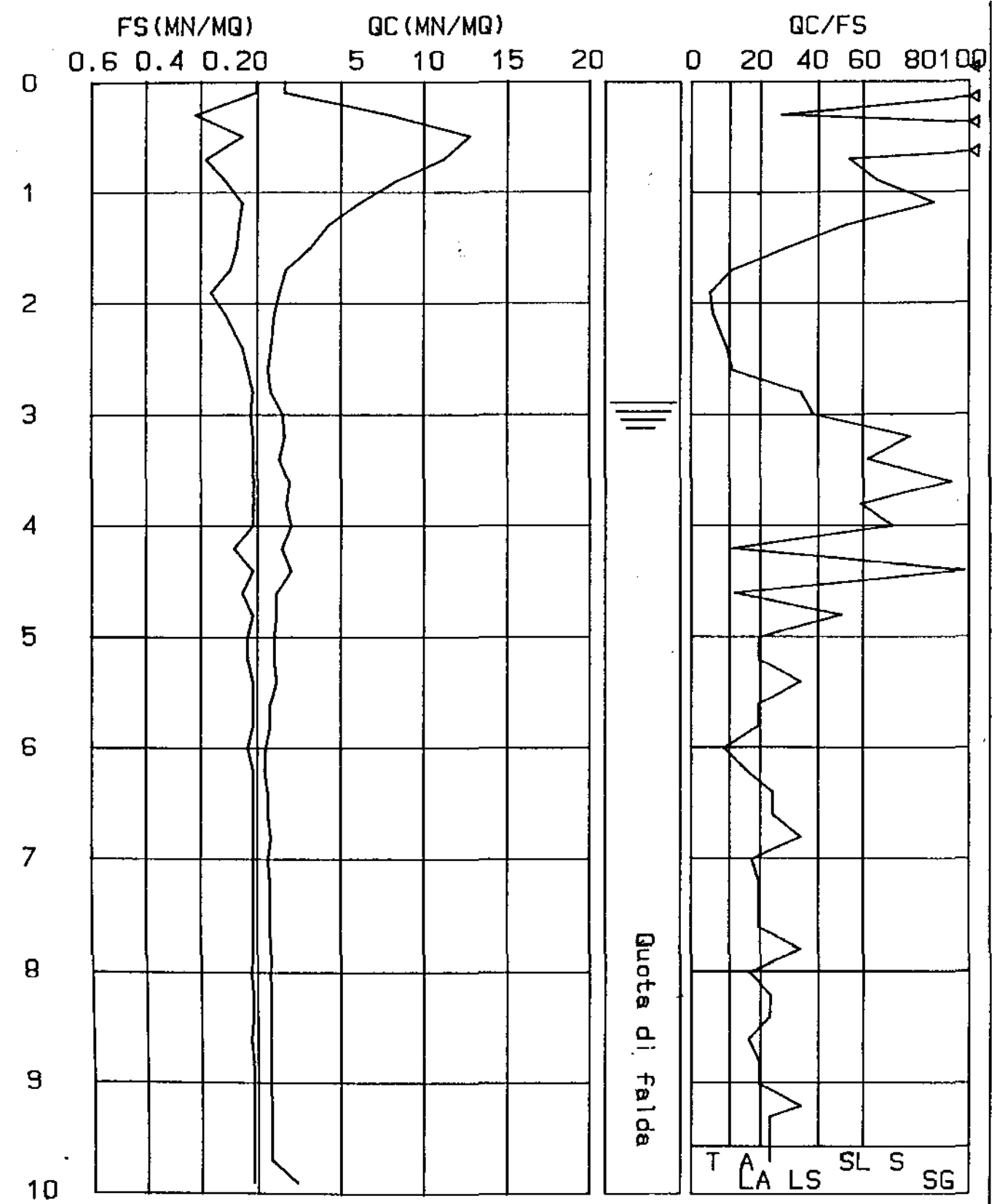
VERTICALE DI N. 1 993 BR

VERTICALE - COSTRUZIONE EDIZIONE PER LE RILIEVI

I	PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X	I
I	0.00	16	18	0.13	123.08	I	10.00	23	27	0.27	85.19	I						I
I	0.20	16	18	0.13	123.08	I	10.20	27	35	0.53	50.94	I						I
I	0.40	77	112	2.33	33.05	I	10.40	32	44	0.80	40.00	I						I
I	0.60	125	134	0.60	208.33	I	10.60	30	38	0.53	56.60	I						I
I	0.80	110	138	1.87	58.82	I						I						I
I	1.00	82	100	1.20	68.33	I						I						I
I	1.20	60	70	0.67	89.55	I						I						I
I	1.40	42	53	0.73	57.53	I						I						I
I	1.60	31	44	0.87	35.63	I						I						I
I	1.80	17	33	1.07	15.89	I						I						I
I	2.00	13	38	1.67	7.78	I						I						I
I	2.20	10	28	1.20	8.33	I						I						I
I	2.40	8	17	0.60	13.33	I						I						I
I	2.60	6	12	0.40	15.00	I						I						I
I	2.80	8	11	0.20	40.00	I						I						I
I	3.00	15	20	0.33	45.45	I						I						I
I	3.20	16	19	0.20	80.00	I						I						I
I	3.40	13	16	0.20	65.00	I						I						I
I	3.60	19	22	0.20	95.00	I						I						I
I	3.80	17	21	0.27	62.96	I						I						I
I	4.00	20	24	0.27	74.07	I						I						I
I	4.20	14	28	0.93	15.05	I						I						I
I	4.40	20	23	0.20	100.00	I						I						I
I	4.60	11	21	0.67	16.42	I						I						I
I	4.80	11	14	0.20	55.00	I						I						I
I	5.00	10	16	0.40	25.00	I						I						I
I	5.20	10	16	0.40	25.00	I						I						I
I	5.40	11	15	0.27	40.74	I						I						I
I	5.60	7	11	0.27	25.93	I						I						I
I	5.80	7	11	0.27	25.93	I						I						I
I	6.00	5	11	0.40	12.50	I						I						I
I	6.20	4	7	0.20	20.00	I						I						I
I	6.40	6	9	0.20	30.00	I						I						I
I	6.60	6	9	0.20	30.00	I						I						I
I	6.80	8	11	0.20	40.00	I						I						I
I	7.00	6	10	0.27	22.22	I						I						I
I	7.20	7	11	0.27	25.93	I						I						I
I	7.40	7	11	0.27	25.93	I						I						I
I	7.60	7	11	0.27	25.93	I						I						I
I	7.80	8	11	0.20	40.00	I						I						I
I	8.00	7	12	0.33	21.21	I						I						I
I	8.20	8	12	0.27	29.63	I						I						I
I	8.40	8	12	0.27	29.63	I						I						I
I	8.60	7	12	0.33	21.21	I						I						I
I	8.80	7	11	0.27	25.93	I						I						I
I	9.00	7	11	0.27	25.93	I						I						I
I	9.20	8	11	0.20	40.00	I						I						I
I	9.40	8	12	0.27	29.63	I						I						I
I	9.60	8	12	0.27	29.63	I						I						I
I	9.80	8	12	0.27	29.63	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS
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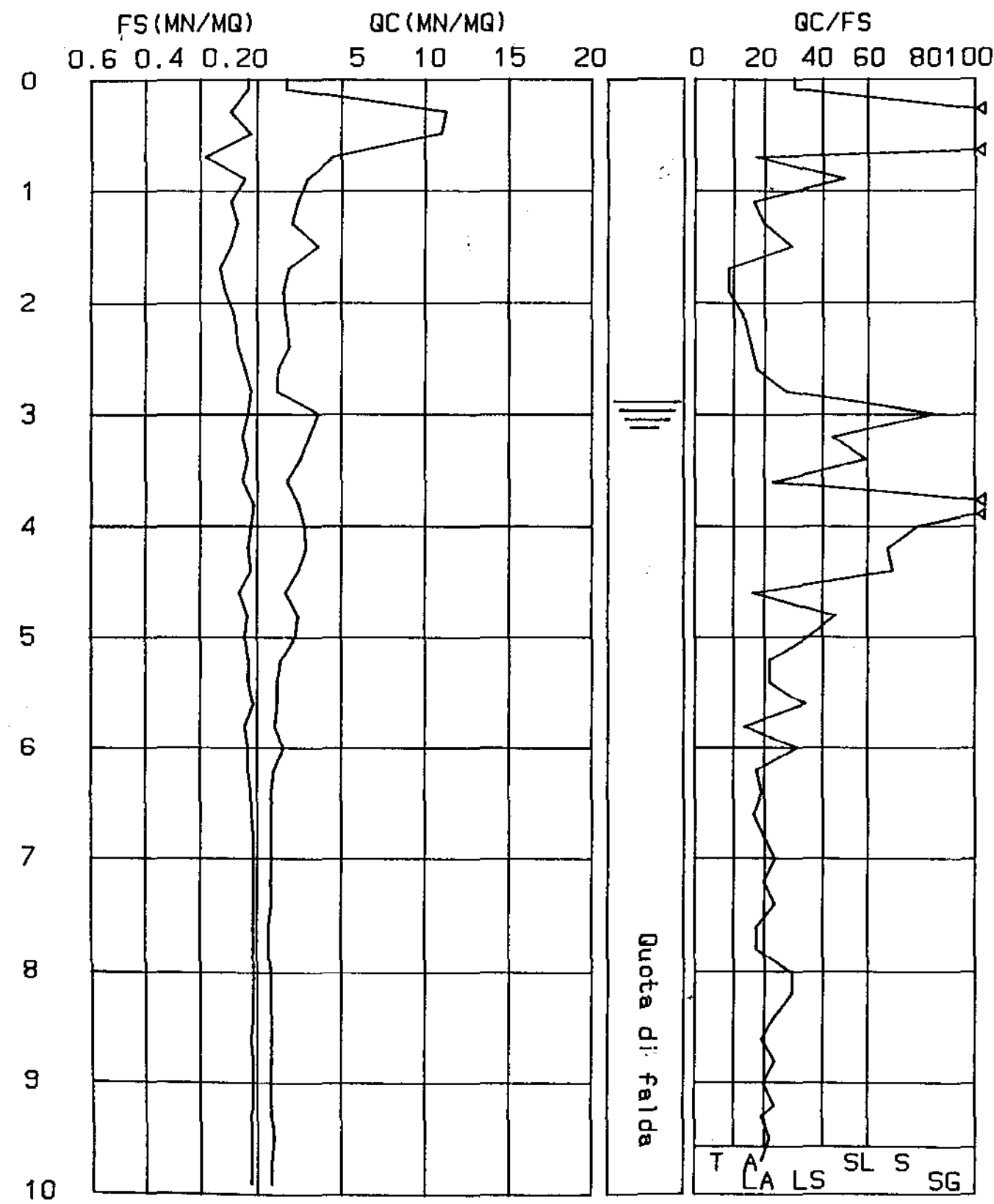
LITOLOGIA : T=TORRE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO



I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I
I	0.00	17	24	0.47	36.17	I	10.00	8	13	0.33	24.24	I						I
I	0.20	17	24	0.47	36.17	I	10.20	9	14	0.33	27.27	I						I
I	0.40	110	125	1.00	110.00	I	10.40	13	18	0.33	39.39	I						I
I	0.60	107	112	0.33	324.24	I	10.60	18	25	0.47	38.30	I						I
I	0.80	44	73	1.93	22.80	I						I						I
I	1.00	29	37	0.53	54.72	I						I						I
I	1.20	23	39	1.07	21.50	I						I						I
I	1.40	20	32	0.80	25.00	I						I						I
I	1.60	35	50	1.00	35.00	I						I						I
I	1.80	18	40	1.47	12.24	I						I						I
I	2.00	15	33	1.20	12.50	I						I						I
I	2.20	16	30	0.93	17.20	I						I						I
I	2.40	18	31	0.87	20.69	I						I						I
I	2.60	12	20	0.53	22.64	I						I						I
I	2.80	11	16	0.33	33.33	I						I						I
I	3.00	35	41	0.40	87.50	I						I						I
I	3.20	30	39	0.60	50.00	I						I						I
I	3.40	25	31	0.40	62.50	I						I						I
I	3.60	17	26	0.60	28.33	I						I						I
I	3.80	24	27	0.20	120.00	I						I						I
I	4.00	27	32	0.33	81.82	I						I						I
I	4.20	28	34	0.40	70.00	I						I						I
I	4.40	24	29	0.33	72.73	I						I						I
I	4.60	16	27	0.73	21.92	I						I						I
I	4.80	24	31	0.47	51.06	I						I						I
I	5.00	22	30	0.53	41.51	I						I						I
I	5.20	13	20	0.47	27.66	I						I						I
I	5.40	11	17	0.40	27.50	I						I						I
I	5.60	11	15	0.27	40.74	I						I						I
I	5.80	10	18	0.53	18.87	I						I						I
I	6.00	15	21	0.40	37.50	I						I						I
I	6.20	9	15	0.40	22.50	I						I						I
I	6.40	8	13	0.33	24.24	I						I						I
I	6.60	7	12	0.33	21.21	I						I						I
I	6.80	7	11	0.27	25.93	I						I						I
I	7.00	8	12	0.27	29.63	I						I						I
I	7.20	7	11	0.27	25.93	I						I						I
I	7.40	8	12	0.27	29.63	I						I						I
I	7.60	6	10	0.27	22.22	I						I						I
I	7.80	6	10	0.27	22.22	I						I						I
I	8.00	7	10	0.20	35.00	I						I						I
I	8.20	7	10	0.20	35.00	I						I						I
I	8.40	8	12	0.27	29.63	I						I						I
I	8.60	8	13	0.33	24.24	I						I						I
I	8.80	8	12	0.27	29.63	I						I						I
I	9.00	7	11	0.27	25.93	I						I						I
I	9.20	8	12	0.27	29.63	I						I						I
I	9.40	8	13	0.33	24.24	I						I						I
I	9.60	9	14	0.33	27.27	I						I						I
I	9.80	8	13	0.33	24.24	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
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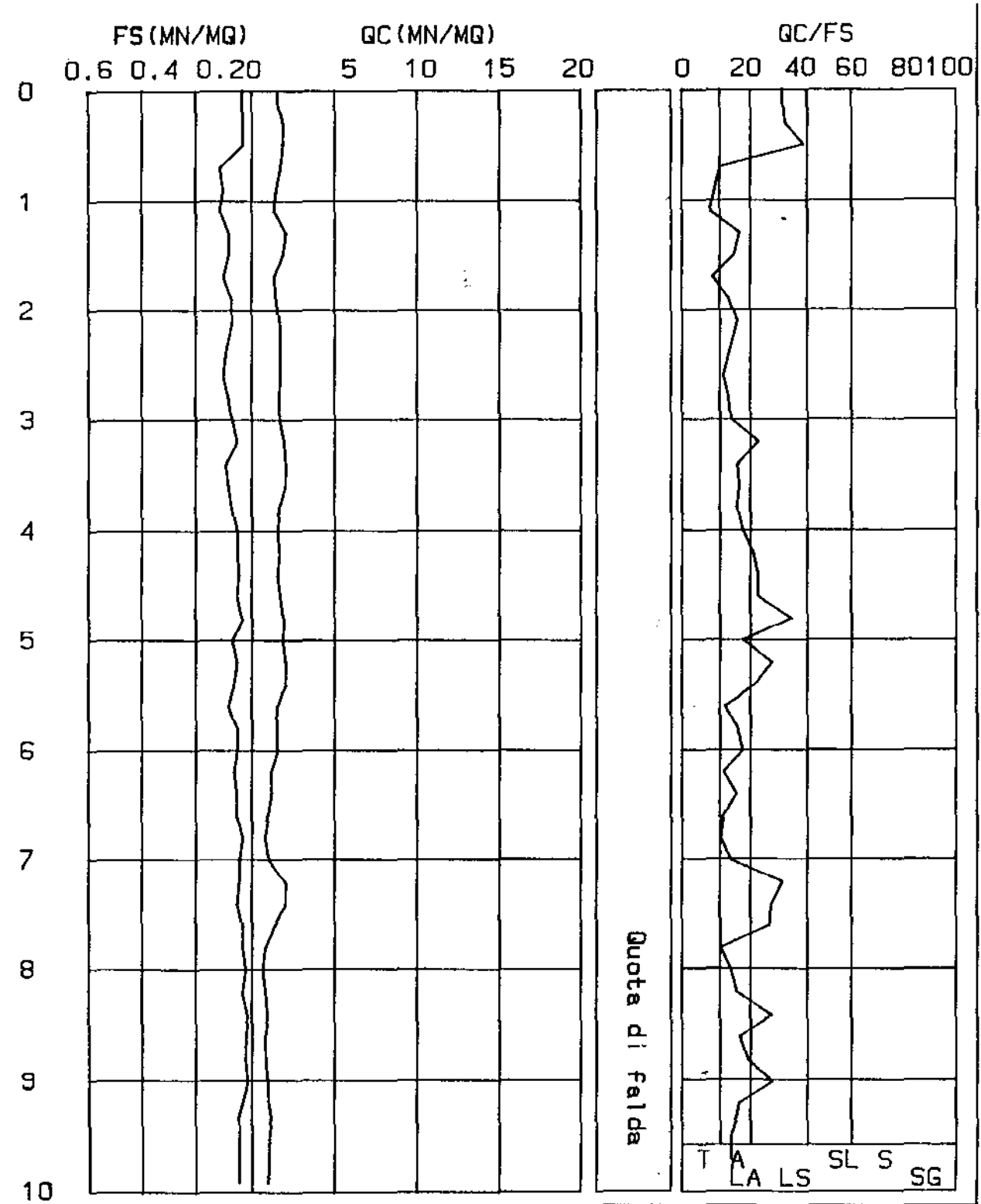
LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO



I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I
I	0.00	15	21	0.40	37.50	I	10.00	9	17	0.53	16.98	I						I
I	0.20	15	21	0.40	37.50	I	10.20	9	16	0.47	19.15	I						I
I	0.40	18	25	0.47	38.30	I	10.40	10	15	0.33	30.30	I						I
I	0.60	18	24	0.40	45.00	I	10.60	12	18	0.40	30.00	I						I
I	0.80	17	35	1.20	14.17	I						I						I
I	1.00	14	31	1.13	12.39	I						I						I
I	1.20	13	31	1.20	10.83	I						I						I
I	1.40	20	34	0.93	21.51	I						I						I
I	1.60	18	32	0.93	19.35	I						I						I
I	1.80	13	30	1.13	11.50	I						I						I
I	2.00	14	26	0.80	17.50	I						I						I
I	2.20	16	28	0.80	20.00	I						I						I
I	2.40	17	32	1.00	17.00	I						I						I
I	2.60	17	34	1.13	15.04	I						I						I
I	2.80	16	30	0.93	17.20	I						I						I
I	3.00	16	29	0.87	18.39	I						I						I
I	3.20	19	29	0.67	28.36	I						I						I
I	3.40	20	35	1.00	20.00	I						I						I
I	3.60	20	34	0.93	21.51	I						I						I
I	3.80	16	28	0.80	20.00	I						I						I
I	4.00	15	25	0.67	22.39	I						I						I
I	4.20	16	25	0.60	26.67	I						I						I
I	4.40	15	23	0.53	28.30	I						I						I
I	4.60	17	26	0.60	28.33	I						I						I
I	4.80	19	26	0.47	40.43	I						I						I
I	5.00	18	30	0.80	22.50	I						I						I
I	5.20	20	29	0.60	33.33	I						I						I
I	5.40	20	31	0.73	27.40	I						I						I
I	5.60	15	29	0.93	16.13	I						I						I
I	5.80	14	24	0.67	20.90	I						I						I
I	6.00	15	25	0.67	22.39	I						I						I
I	6.20	11	22	0.73	15.07	I						I						I
I	6.40	12	21	0.60	20.00	I						I						I
I	6.60	9	18	0.60	15.00	I						I						I
I	6.80	7	14	0.47	14.89	I						I						I
I	7.00	10	18	0.53	18.87	I						I						I
I	7.20	20	28	0.53	37.74	I						I						I
I	7.40	20	29	0.60	33.33	I						I						I
I	7.60	13	19	0.40	32.50	I						I						I
I	7.80	7	14	0.47	14.89	I						I						I
I	8.00	6	11	0.33	18.18	I						I						I
I	8.20	8	14	0.40	20.00	I						I						I
I	8.40	9	13	0.27	33.33	I						I						I
I	8.60	7	12	0.33	21.21	I						I						I
I	8.80	8	13	0.33	24.24	I						I						I
I	9.00	9	13	0.27	33.33	I						I						I
I	9.20	10	17	0.47	21.28	I						I						I
I	9.40	11	19	0.53	20.75	I						I						I
I	9.60	10	18	0.53	18.87	I						I						I
I	9.80	10	18	0.53	18.87	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cm²

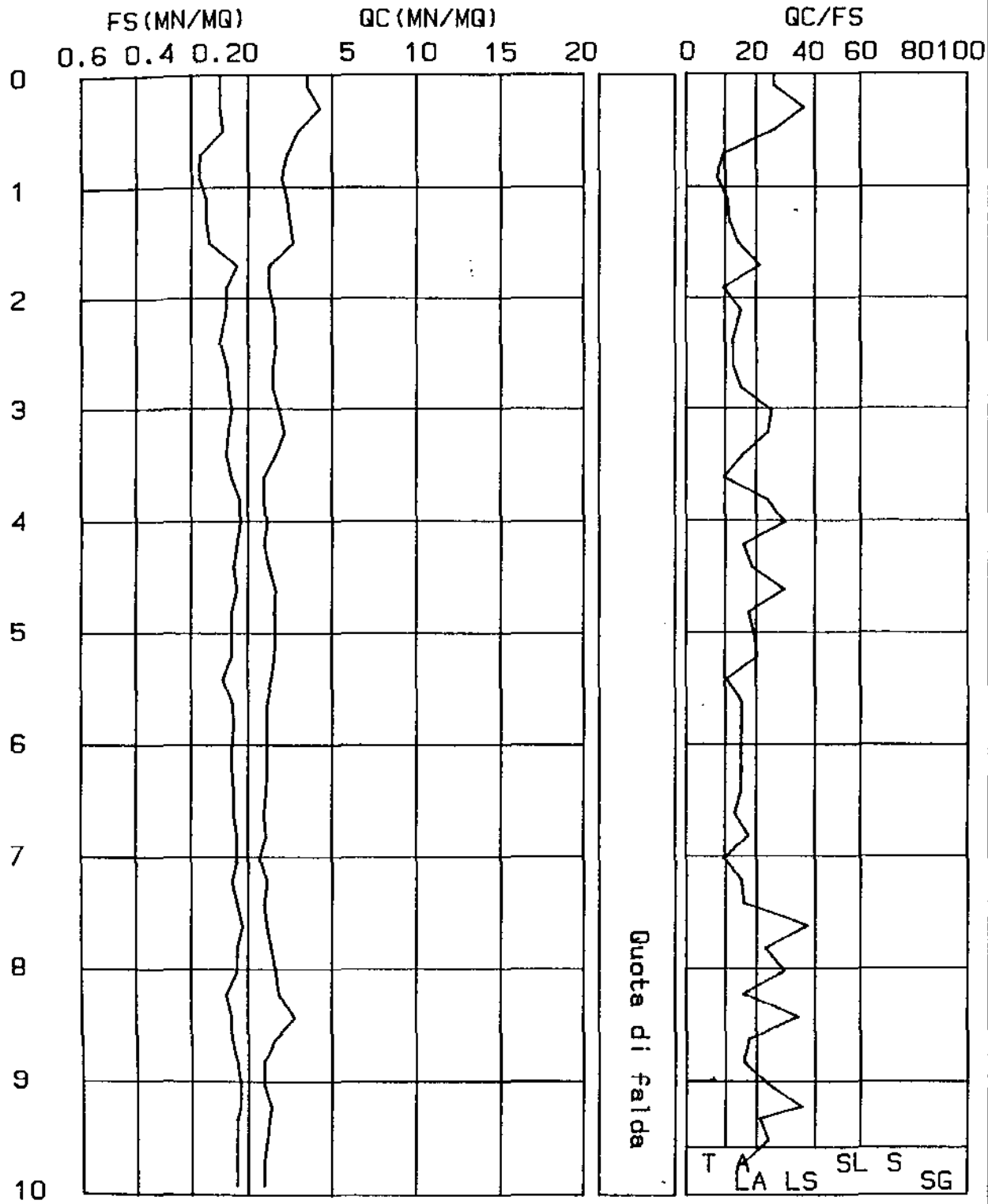
LITOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO



I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I
I	0.00	35	51	1.07	32.71	I	10.00	10	16	0.40	25.00	I						I
I	0.20	35	51	1.07	32.71	I	10.20	9	14	0.33	27.27	I						I
I	0.40	43	58	1.00	43.00	I	10.40	11	16	0.33	33.33	I						I
I	0.60	30	44	0.93	32.26	I	10.60	14	19	0.33	42.42	I						I
I	0.80	24	49	1.67	14.37	I						I						I
I	1.00	20	47	1.80	11.11	I						I						I
I	1.20	23	46	1.53	15.03	I						I						I
I	1.40	25	48	1.53	16.34	I						I						I
I	1.60	27	48	1.40	19.29	I						I						I
I	1.80	13	20	0.47	27.66	I						I						I
I	2.00	13	26	0.87	14.94	I						I						I
I	2.20	16	28	0.80	20.00	I						I						I
I	2.40	17	32	1.00	17.00	I						I						I
I	2.60	15	28	0.87	17.24	I						I						I
I	2.80	15	26	0.73	20.55	I						I						I
I	3.00	19	28	0.60	31.67	I						I						I
I	3.20	22	33	0.73	30.14	I						I						I
I	3.40	17	29	0.80	21.25	I						I						I
I	3.60	10	20	0.67	14.93	I						I						I
I	3.80	10	15	0.33	30.30	I						I						I
I	4.00	12	17	0.33	36.36	I						I						I
I	4.20	10	17	0.47	21.28	I						I						I
I	4.40	13	21	0.53	24.53	I						I						I
I	4.60	17	24	0.47	36.17	I						I						I
I	4.80	16	26	0.67	23.88	I						I						I
I	5.00	17	27	0.67	25.37	I						I						I
I	5.20	16	25	0.60	26.67	I						I						I
I	5.40	14	28	0.93	15.05	I						I						I
I	5.60	12	21	0.60	20.00	I						I						I
I	5.80	11	19	0.53	20.75	I						I						I
I	6.00	12	21	0.60	20.00	I						I						I
I	6.20	12	21	0.60	20.00	I						I						I
I	6.40	11	19	0.53	20.75	I						I						I
I	6.60	10	18	0.53	18.87	I						I						I
I	6.80	11	18	0.47	23.40	I						I						I
I	7.00	7	14	0.47	14.89	I						I						I
I	7.20	12	21	0.60	20.00	I						I						I
I	7.40	10	17	0.47	21.28	I						I						I
I	7.60	12	16	0.27	44.44	I						I						I
I	7.80	14	21	0.47	29.79	I						I						I
I	8.00	17	24	0.47	36.17	I						I						I
I	8.20	19	32	0.87	21.84	I						I						I
I	8.40	28	38	0.67	41.79	I						I						I
I	8.60	16	26	0.67	23.88	I						I						I
I	8.80	10	17	0.47	21.28	I						I						I
I	9.00	10	15	0.33	30.30	I						I						I
I	9.20	14	19	0.33	42.42	I						I						I
I	9.40	13	20	0.47	27.66	I						I						I
I	9.60	12	18	0.40	30.00	I						I						I
I	9.80	10	17	0.47	21.28	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CH. FS = RESISTENZA SPECIFICA AL MANICOTTO dn/cm^q
 QC = RESISTENZA SPECIFICA ALLA PUNTA dn/cm^q X = RAPPORTO QC/FS x
 RL = RESISTENZA LATERALE TOTALE dn/cm^q

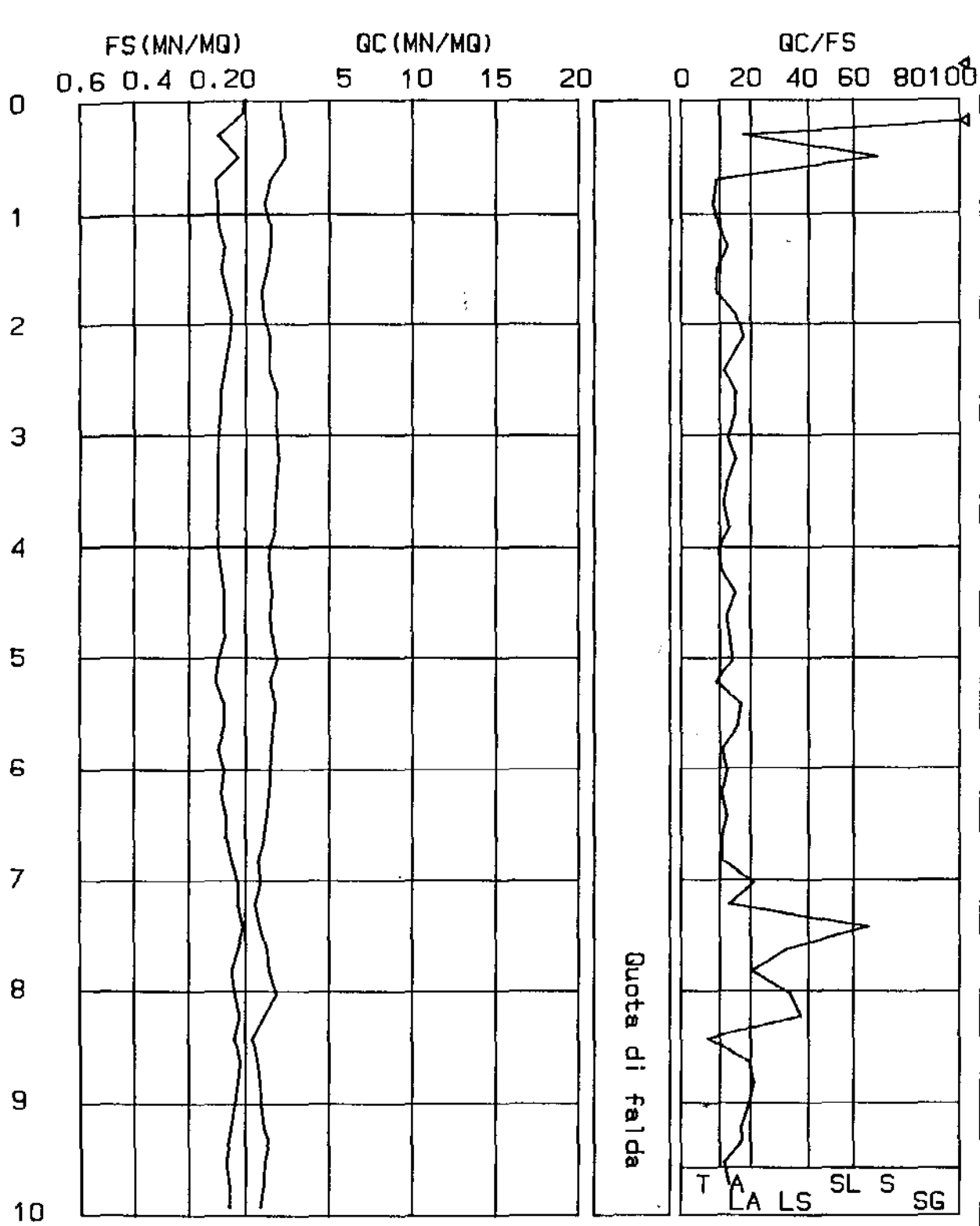
LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO



I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I	PROF.	QC	RL	FS	X	I
I	0.00	21	23	0.13	161.54	I	10.00	9	18	0.60	15.00	I						I
I	0.20	21	23	0.13	161.54	I	10.20	10	16	0.40	25.00	I						I
I	0.40	23	38	1.00	23.00	I	10.40	8	16	0.53	15.09	I						I
I	0.60	24	29	0.33	72.73	I	10.60	9	16	0.47	19.15	I						I
I	0.80	15	32	1.13	13.27	I						I						I
I	1.00	12	27	1.00	12.00	I						I						I
I	1.20	15	31	1.07	14.02	I						I						I
I	1.40	15	28	0.87	17.24	I						I						I
I	1.60	13	27	0.93	13.98	I						I						I
I	1.80	10	21	0.73	13.70	I						I						I
I	2.00	11	19	0.53	20.75	I						I						I
I	2.20	14	23	0.60	23.33	I						I						I
I	2.40	14	27	0.87	16.09	I						I						I
I	2.60	19	33	0.93	20.43	I						I						I
I	2.80	19	33	0.93	20.43	I						I						I
I	3.00	19	35	1.07	17.76	I						I						I
I	3.20	20	35	1.00	20.00	I						I						I
I	3.40	19	35	1.07	17.76	I						I						I
I	3.60	18	34	1.07	16.82	I						I						I
I	3.80	18	33	1.00	18.00	I						I						I
I	4.00	14	29	1.00	14.00	I						I						I
I	4.20	14	28	0.93	15.05	I						I						I
I	4.40	16	28	0.80	20.00	I						I						I
I	4.60	15	28	0.87	17.24	I						I						I
I	4.80	16	29	0.87	18.39	I						I						I
I	5.00	19	34	1.00	19.00	I						I						I
I	5.20	15	32	1.13	13.27	I						I						I
I	5.40	18	30	0.80	22.50	I						I						I
I	5.60	17	29	0.80	21.25	I						I						I
I	5.80	15	30	1.00	15.00	I						I						I
I	6.00	15	28	0.87	17.24	I						I						I
I	6.20	14	28	0.93	15.05	I						I						I
I	6.40	13	24	0.73	17.81	I						I						I
I	6.60	11	22	0.73	15.07	I						I						I
I	6.80	8	16	0.53	15.09	I						I						I
I	7.00	9	14	0.33	27.27	I						I						I
I	7.20	6	11	0.33	18.18	I						I						I
I	7.40	9	11	0.13	69.23	I						I						I
I	7.60	13	18	0.33	39.39	I						I						I
I	7.80	14	22	0.53	26.42	I						I						I
I	8.00	19	26	0.47	40.43	I						I						I
I	8.20	12	16	0.27	44.44	I						I						I
I	8.40	5	12	0.47	10.64	I						I						I
I	8.60	7	11	0.27	25.93	I						I						I
I	8.80	9	14	0.33	27.27	I						I						I
I	9.00	10	16	0.40	25.00	I						I						I
I	9.20	12	20	0.53	22.64	I						I						I
I	9.40	14	23	0.60	23.33	I						I						I
I	9.60	12	23	0.73	16.44	I						I						I
I	9.80	11	20	0.60	18.33	I						I						I

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CN. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cmq
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cmq X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cmq

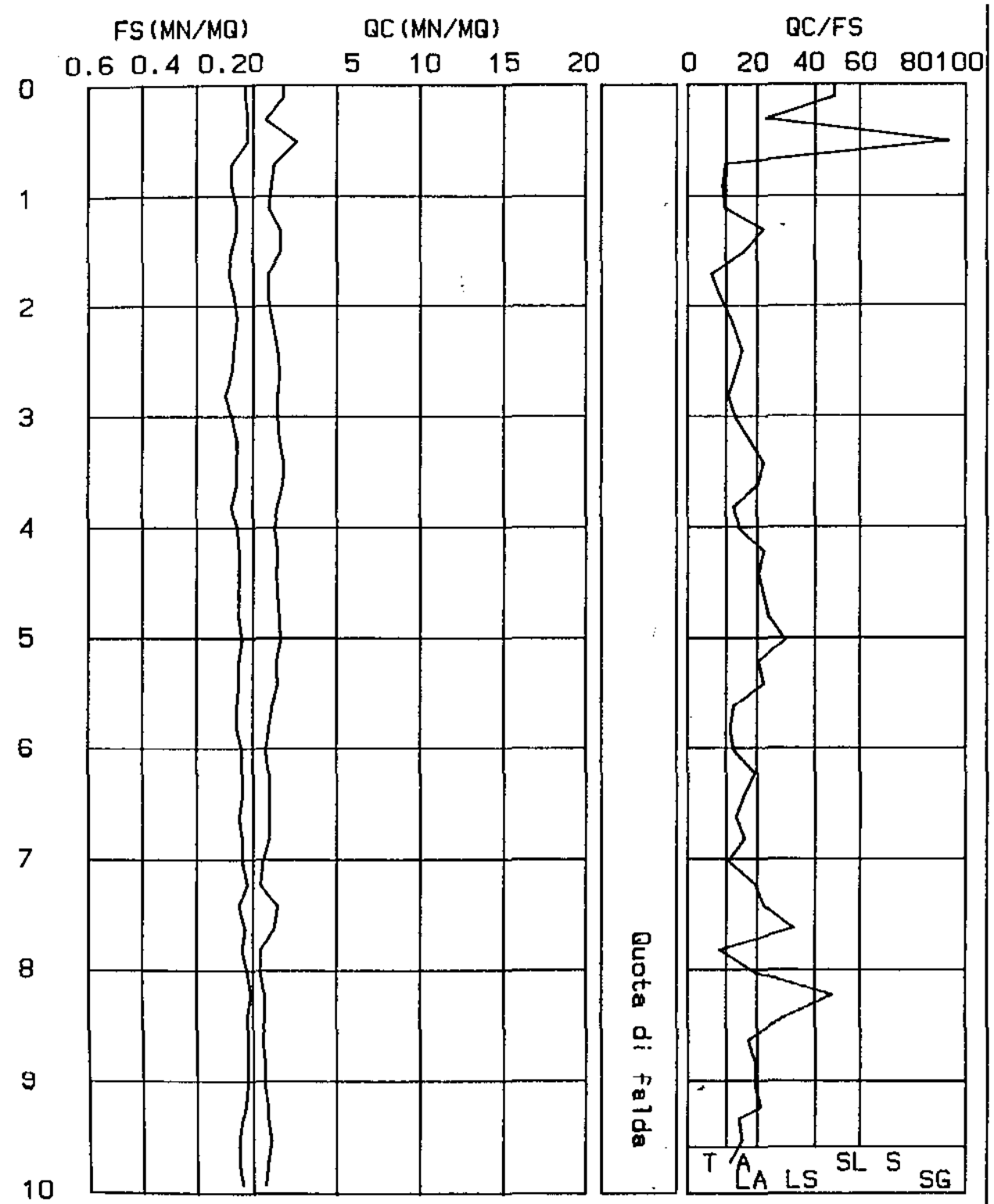
LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

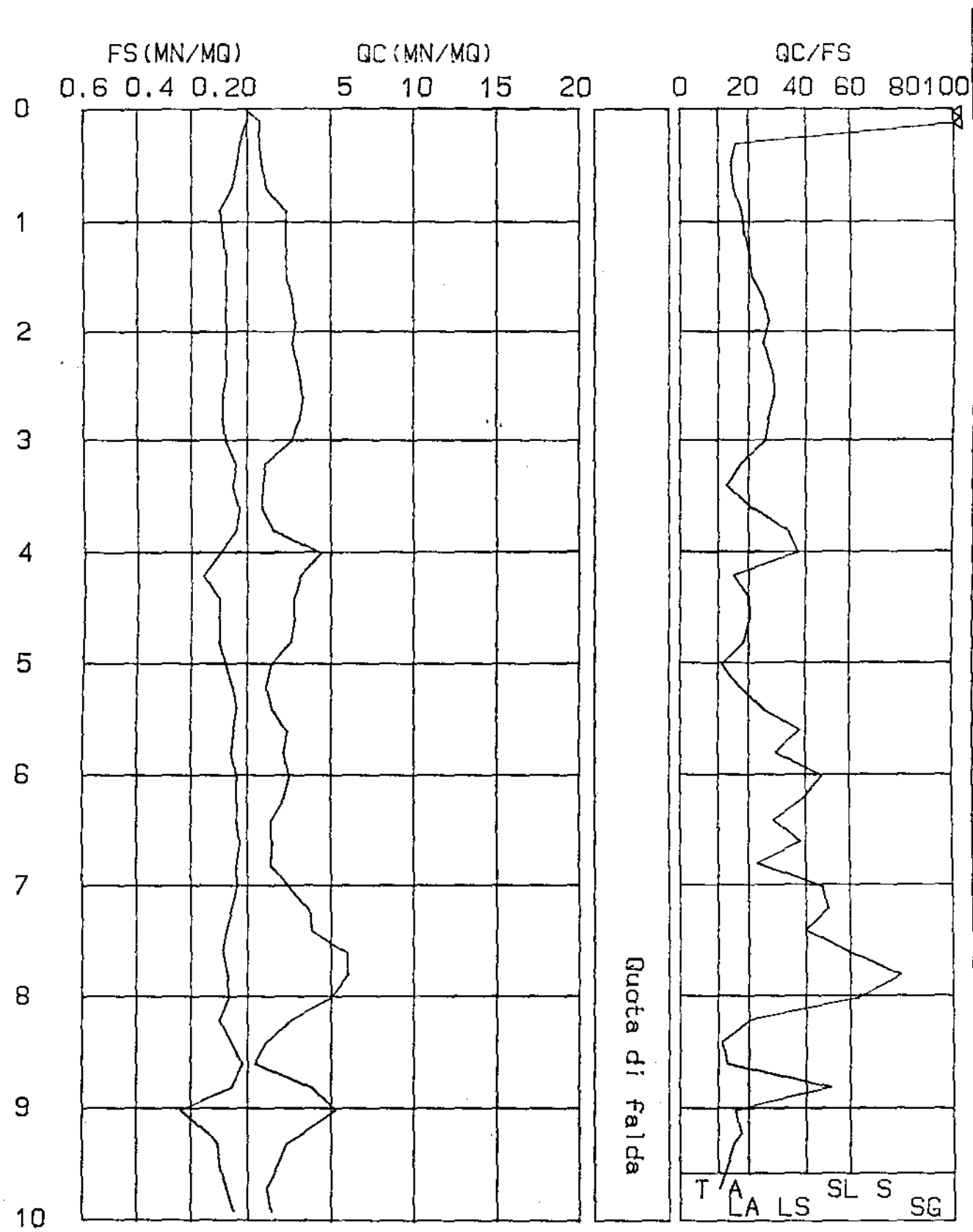


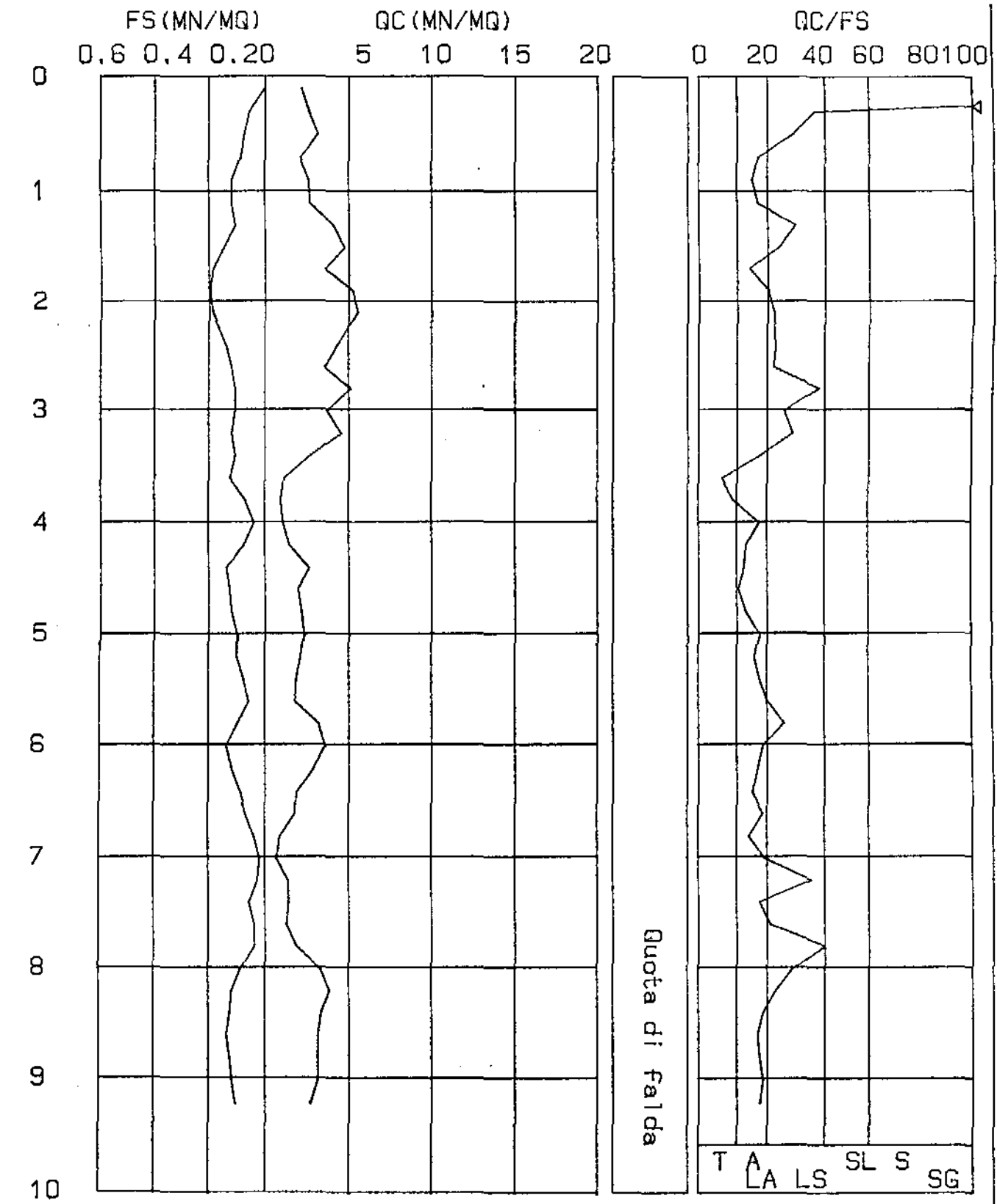
I	PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X	I
I	0.00	18	23	0.33	54.55	I	10.00	8	14	0.40	20.00	I						I
I	0.20	18	23	0.33	54.55	I	10.20	8	14	0.40	20.00	I						I
I	0.40	8	12	0.27	29.63	I	10.40	7	13	0.40	17.50	I						I
I	0.60	26	30	0.27	96.30	I	10.60	8	14	0.40	20.00	I						I
I	0.80	13	26	0.87	14.94	I						I						I
I	1.00	11	23	0.80	13.75	I						I						I
I	1.20	10	20	0.67	14.93	I						I						I
I	1.40	17	26	0.60	28.33	I						I						I
I	1.60	17	29	0.80	21.25	I						I						I
I	1.80	9	23	0.93	9.68	I						I						I
I	2.00	9	20	0.73	12.33	I						I						I
I	2.20	11	21	0.67	16.42	I						I						I
I	2.40	15	26	0.73	20.55	I						I						I
I	2.60	16	29	0.87	18.39	I						I						I
I	2.80	15	30	1.00	15.00	I						I						I
I	3.00	15	27	0.80	18.75	I						I						I
I	3.20	16	26	0.67	23.88	I						I						I
I	3.40	19	29	0.67	28.36	I						I						I
I	3.60	18	28	0.67	26.87	I						I						I
I	3.80	15	28	0.87	17.24	I						I						I
I	4.00	13	23	0.67	19.40	I						I						I
I	4.20	15	23	0.53	28.30	I						I						I
I	4.40	14	22	0.53	26.42	I						I						I
I	4.60	15	23	0.53	28.30	I						I						I
I	4.80	16	24	0.53	30.19	I						I						I
I	5.00	17	24	0.47	36.17	I						I						I
I	5.20	14	22	0.53	26.42	I						I						I
I	5.40	15	23	0.53	28.30	I						I						I
I	5.60	12	22	0.67	17.91	I						I						I
I	5.80	10	19	0.60	16.67	I						I						I
I	6.00	8	15	0.47	17.02	I						I						I
I	6.20	10	16	0.40	25.00	I						I						I
I	6.40	10	17	0.47	21.28	I						I						I
I	6.60	10	18	0.53	18.87	I						I						I
I	6.80	10	17	0.47	21.28	I						I						I
I	7.00	6	12	0.40	15.00	I						I						I
I	7.20	5	8	0.20	25.00	I						I						I
I	7.40	15	23	0.53	28.30	I						I						I
I	7.60	13	18	0.33	39.39	I						I						I
I	7.80	5	11	0.40	12.50	I						I						I
I	8.00	5	8	0.20	25.00	I						I						I
I	8.20	7	9	0.15	53.85	I						I						I
I	8.40	7	10	0.20	35.00	I						I						I
I	8.60	6	10	0.27	22.22	I						I						I
I	8.80	7	11	0.27	25.93	I						I						I
I	9.00	7	11	0.27	25.93	I						I						I
I	9.20	9	14	0.33	27.27	I						I						I
I	9.40	9	16	0.47	19.15	I						I						I
I	9.60	11	19	0.53	20.75	I						I						I
I	9.80	9	17	0.53	16.98	I						I						I

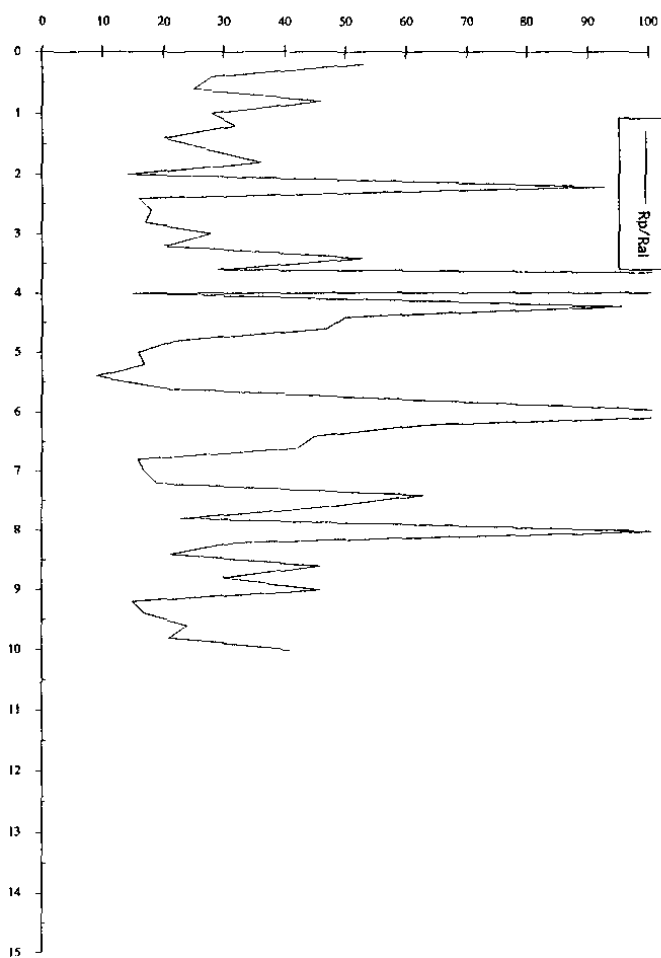
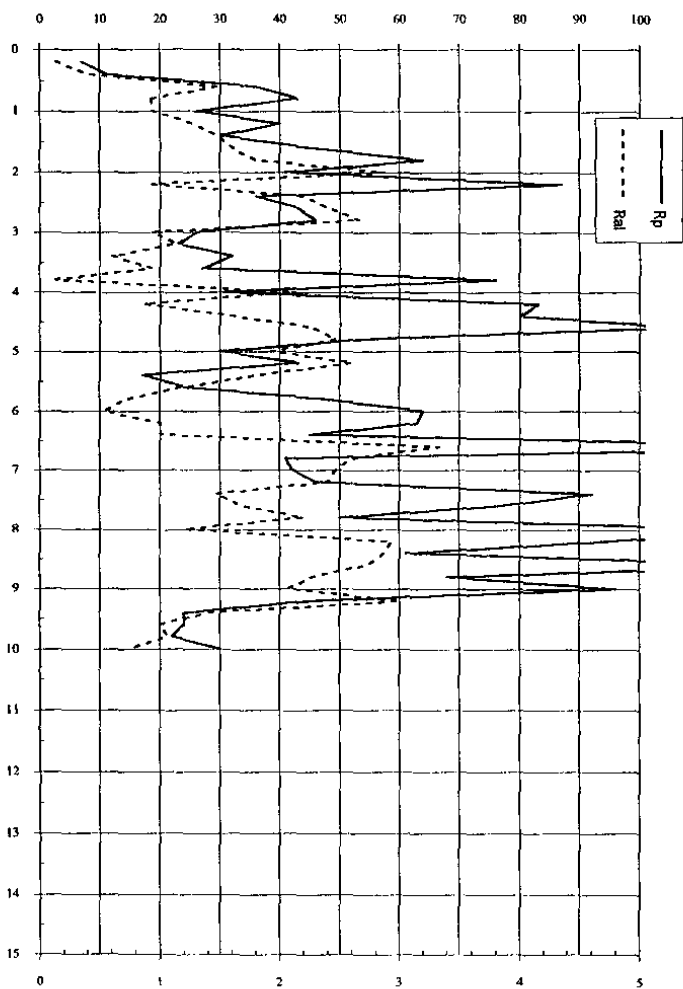
LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cmq
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cmq X = RAPPORTO QC/FS t
 RL = RESISTENZA LATERALE TOTALE dN/cmq

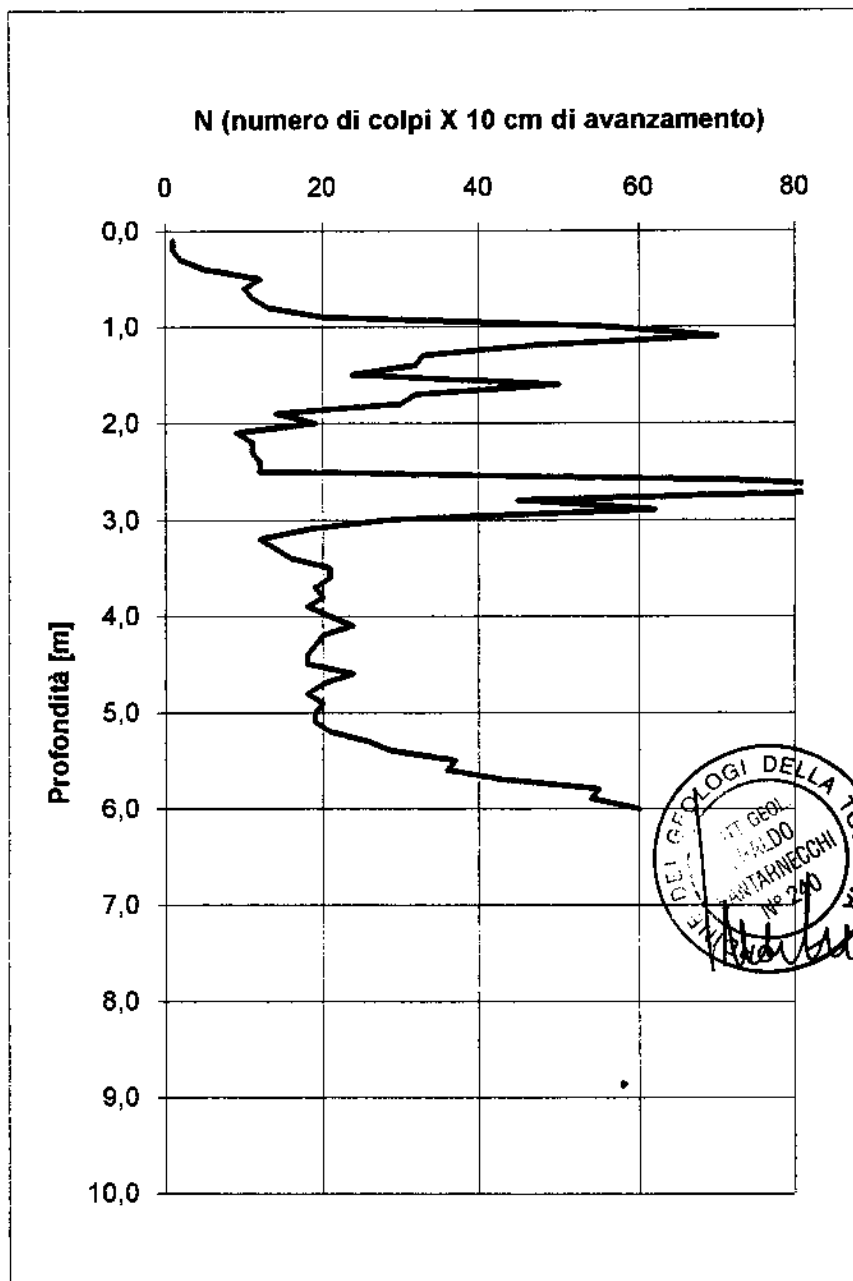
LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO

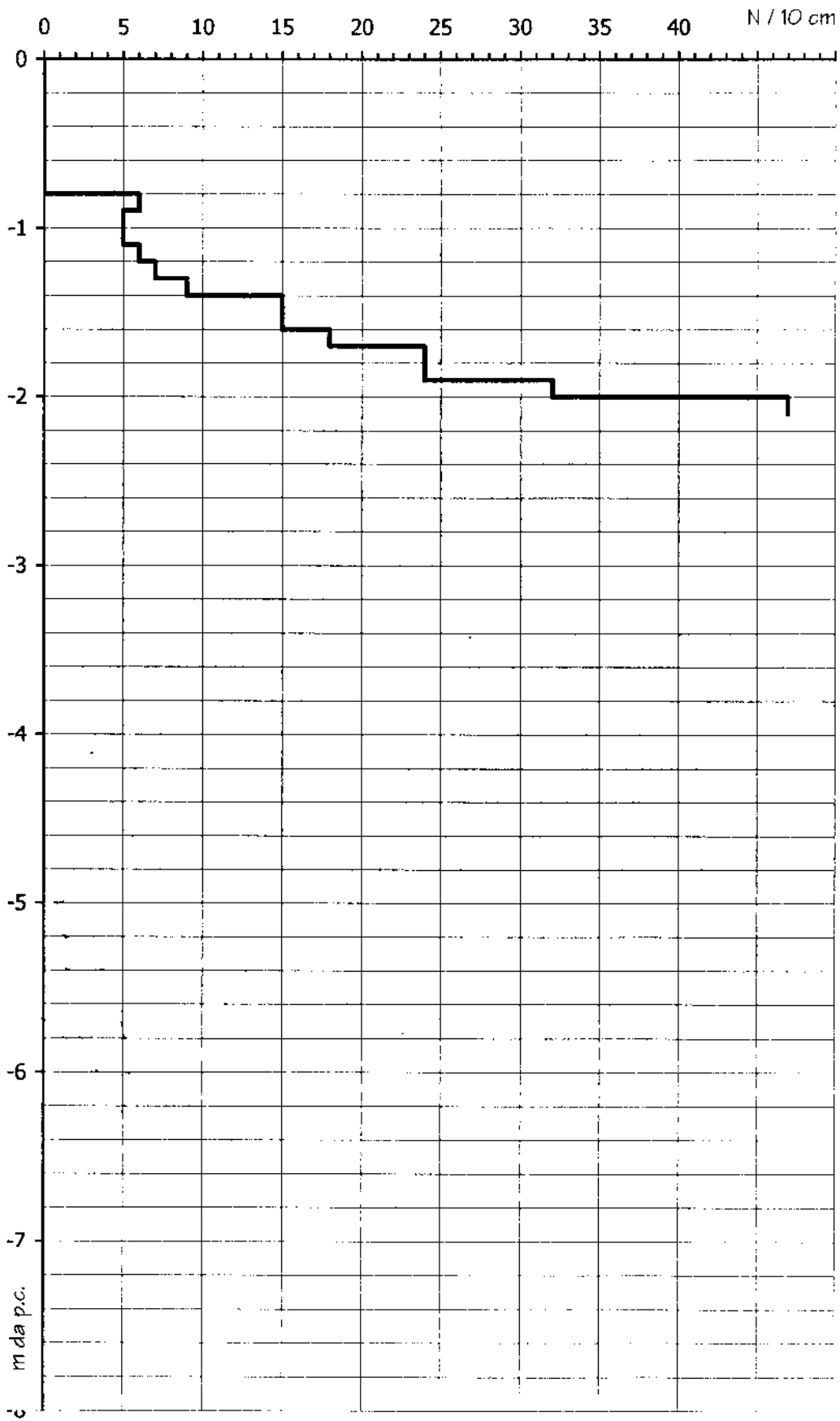


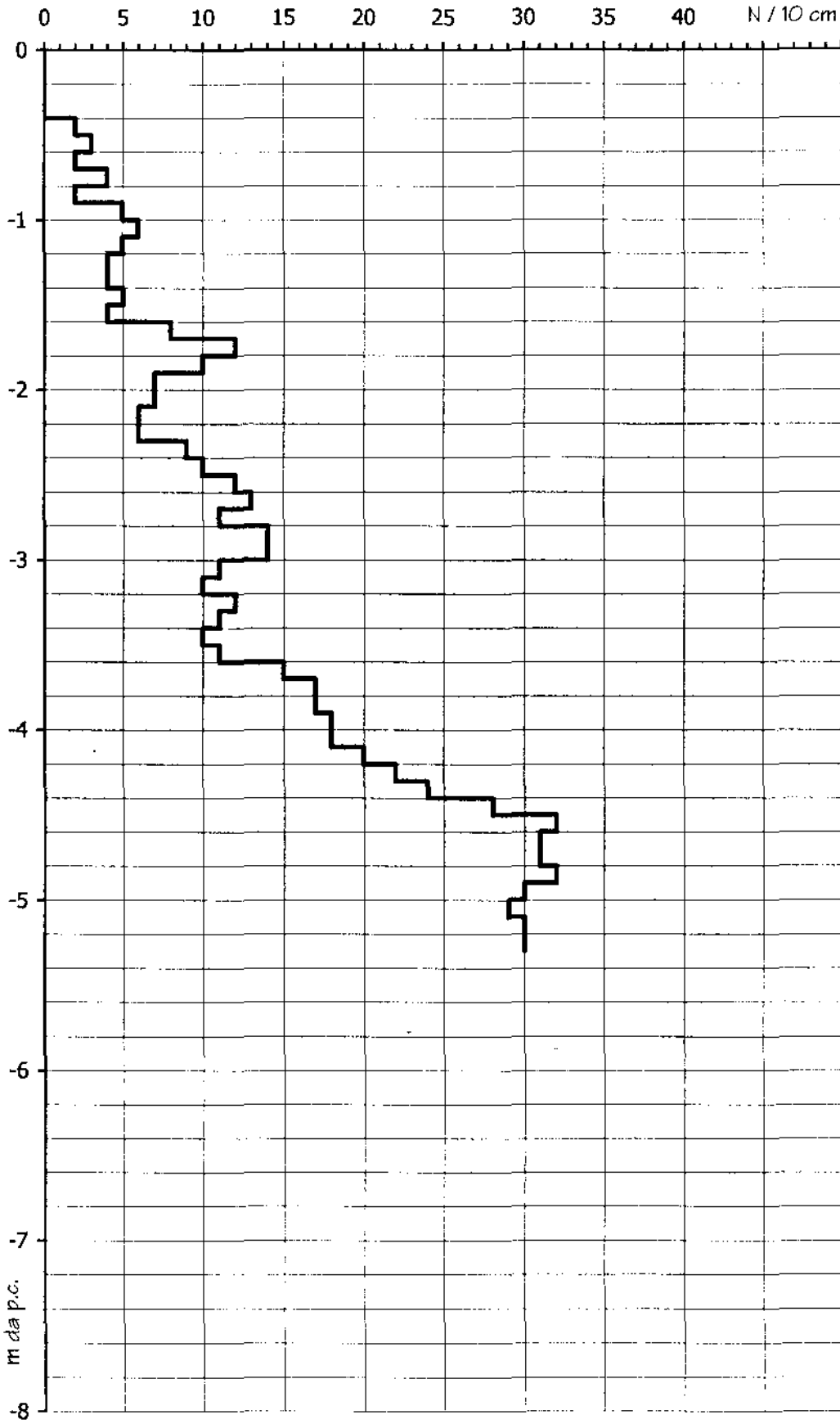


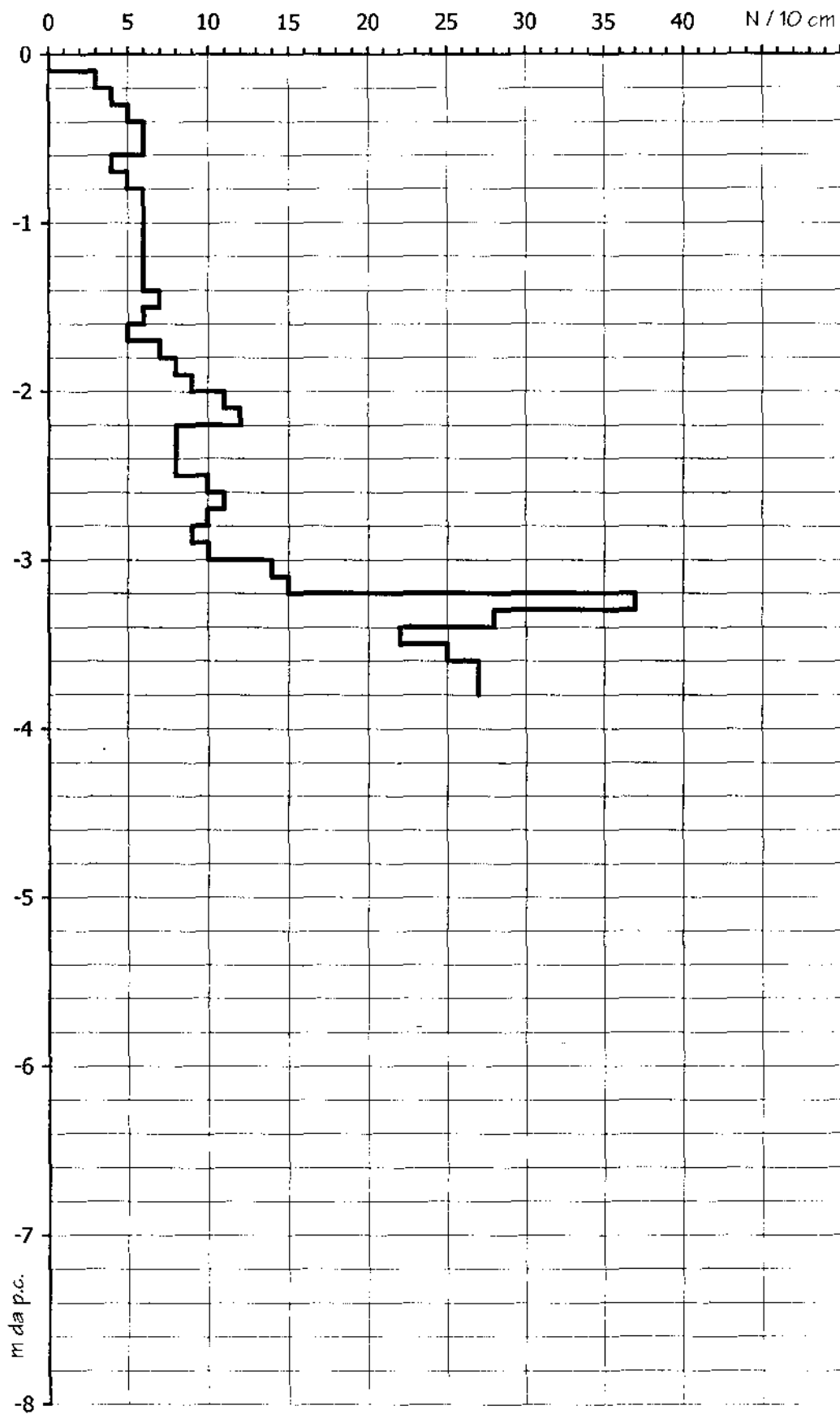


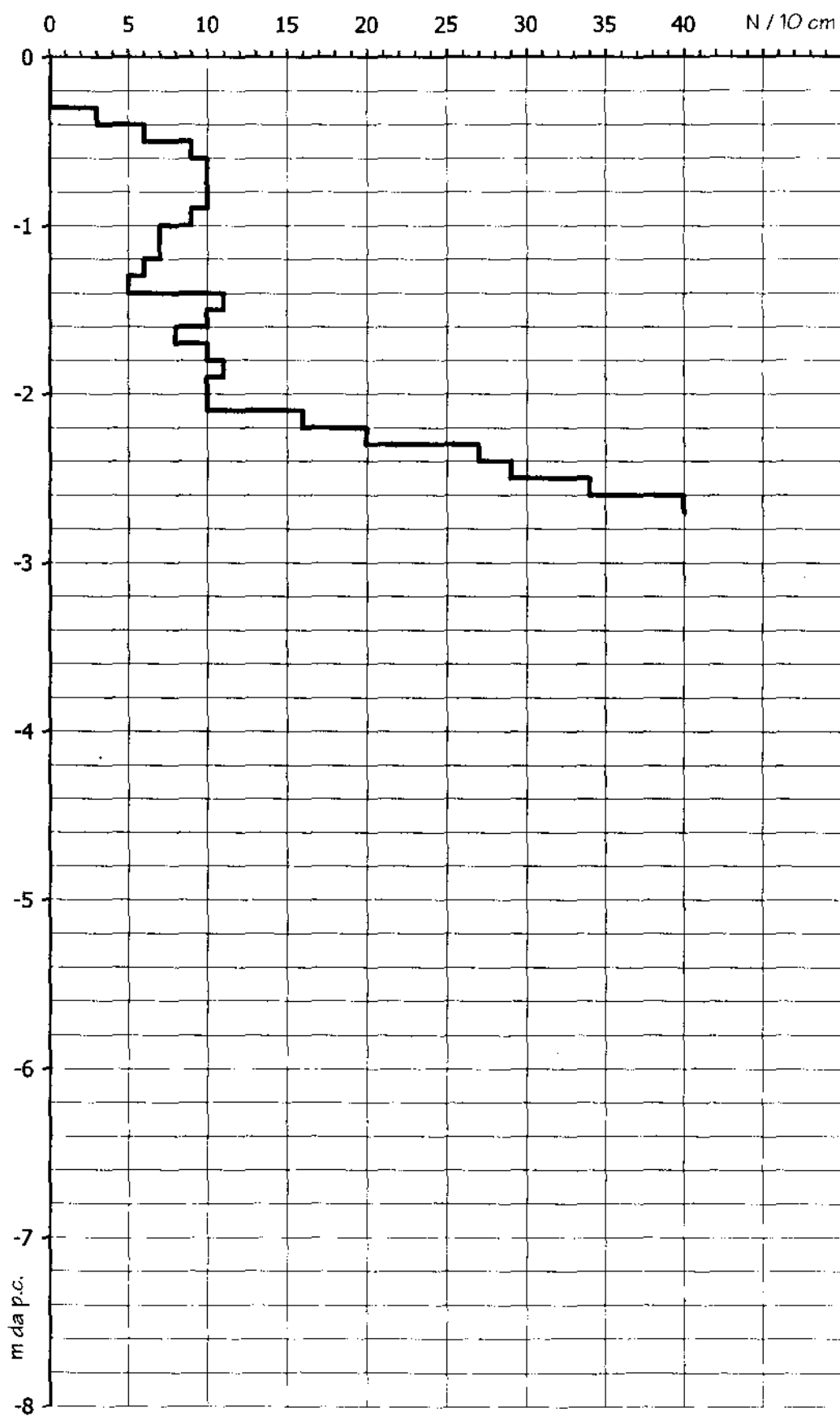












CERTIFICATO N.RO : 630-AA

CANTIERE : RIPRISTINO FABBRICATO

PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I
0.00	92	102	0.67	137.31	I												
0.20	92	102	0.67	137.31	I												
0.40	74	82	0.53	139.62	I												
0.60	58	89	2.07	28.02	I												
0.80	85	127	2.80	30.36	I												
1.00	120	163	2.87	41.81	I												
1.20	110	180	4.67	23.55	I												
1.40	73	168	6.33	11.53	I												
1.60	120	189	4.60	26.09	I												
1.80	121	178	3.80	31.84	I												
2.00	91	154	4.20	21.67	I												
2.20	56	123	4.47	12.53	I												
2.40	58	116	3.87	14.99	I												
2.60	48	111	4.20	11.43	I												
2.80	69	127	3.87	17.83	I												
3.00	83	149	4.40	18.86	I												
3.20	81	151	4.67	17.34	I												
3.40	59	138	5.27	11.20	I												
3.60	76	148	4.80	15.83	I												
3.80	71	149	5.20	13.65	I												
4.00	130	202	4.80	27.08	I												
4.20	112	210	6.53	17.15	I												
4.40	89	169	5.33	16.70	I												
4.60	80	178	6.53	12.25	I												
4.80	93	200	7.13	13.04	I												
5.00	72	146	4.93	14.60	I												
5.20	82	160	5.20	15.77	I												
5.40	79	149	4.67	16.92	I												
5.60	80	156	5.07	15.78	I												
5.80	95	172	5.13	18.52	I												
6.00	98	174	5.07	19.33	I												
6.20	92	150	3.87	23.77	I												
6.40	106	156	3.33	31.83	I												
6.60	95	141	3.07	30.94	I												
6.80	83	132	3.27	25.38	I												
7.00	70	105	2.33	30.04	I												
7.20	60	103	2.87	20.91	I												
7.40	72	108	2.40	30.00	I												
7.60	74	112	2.53	29.25	I												
7.80	61	96	2.33	26.18	I												
8.00	66	92	1.73	38.15	I												
8.20	178	206	1.87	95.19	I												
8.40	178	254	5.07	35.11	I												
8.60	123	205	5.47	22.49	I												
8.80	70	150	5.33	13.13	I												
9.00	76	127	3.40	22.35	I												
9.20	81	114	2.20	36.82	I												
9.40	258	364	7.07	36.49	I												
9.60	258	364	7.07	36.49	I												

LEGENDA : PROF. = PROFONDITA' DI INFIBBIONE

CH.

FS = RESISTENZA SPECIFICA AL MANICOTTO

dN/cmq

QC = RESISTENZA SPECIFICA ALLA PUNTA

dN/cmq

X = RAPPORTO QC/FS

%

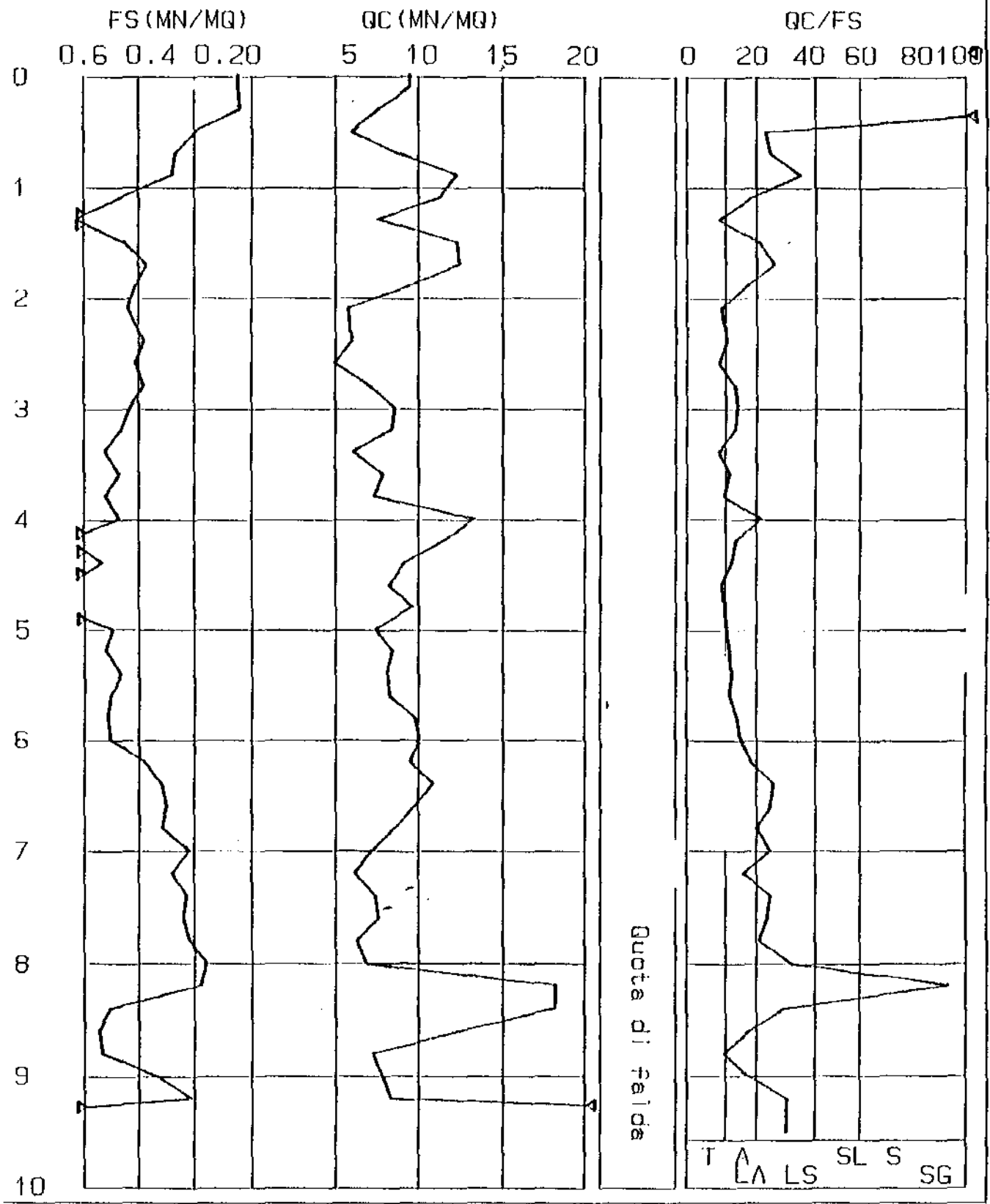
RL = RESISTENZA LATERALE TOTALE

dN/cmq

LITOLOGIA : I=TORBE
S=SABBIEA=ARGILLA
SG=SABBIE E GHIAIALA=LIMI ARGILLOSI
AG=TERRENO AGRICOLO

LS=LIMI SABBIOSI

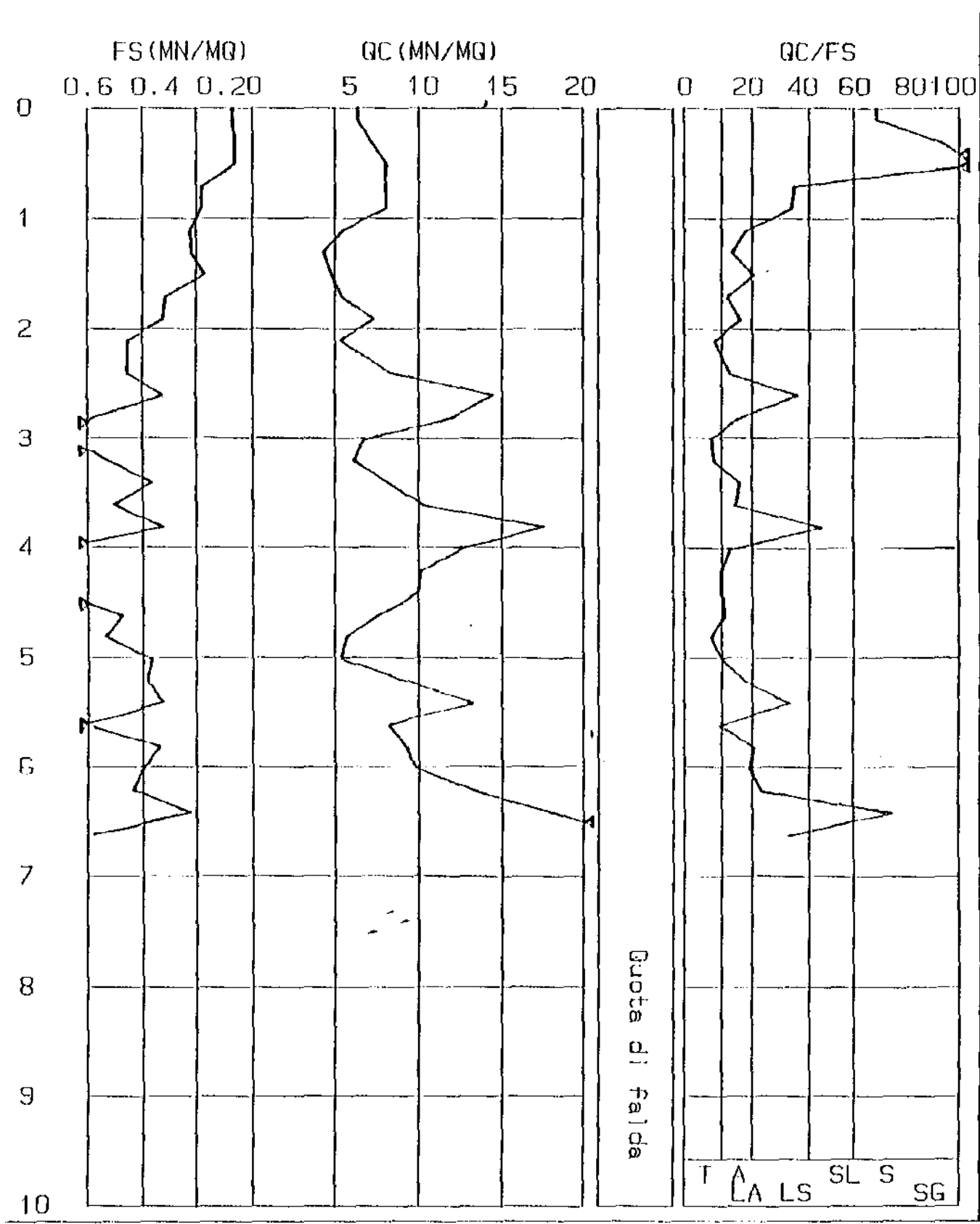
SL=SABBIE LIMOSE



CERTIFICATO N.RO : 639-AA					CANTIERE : RIPRISTINO FABBRICATO												
PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X	I	PROF.	QC	RL.	FS.	X	I
0.00	98	109	0.73	134.25	I						I						I
0.20	98	109	0.73	134.25	I						I						I
0.40	110	118	0.53	207.55	I						I						I
0.60	73	91	1.20	60.83	I						I						I
0.80	39	72	2.20	17.73	I						I						I
1.00	32	68	2.40	13.33	I						I						I
1.20	24	56	2.13	11.27	I						I						I
1.40	24	52	1.87	12.83	I						I						I
1.60	26	50	1.60	16.25	I						I						I
1.80	30	51	1.40	21.43	I						I						I
2.00	33	53	1.33	24.81	I						I						I
2.20	45	69	1.60	28.13	I						I						I
2.40	67	93	1.73	38.73	I						I						I
2.60	56	95	2.60	21.54	I						I						I
2.80	38	85	3.13	12.14	I						I						I
3.00	44	76	2.13	20.66	I						I						I
3.20	92	117	1.67	55.09	I						I						I
3.40	50	86	2.40	20.83	I						I						I
3.60	70	114	2.93	23.89	I						I						I
3.80	43	74	2.07	20.77	I						I						I
4.00	43	88	3.00	14.33	I						I						I
4.20	57	84	1.80	31.67	I						I						I
4.40	54	84	2.00	27.00	I						I						I
4.60	52	84	2.13	24.41	I						I						I
4.80	51	78	1.80	28.33	I						I						I
5.00	34	67	2.20	15.45	I						I						I
5.20	62	81	1.27	48.82	I						I						I
5.40	59	86	1.80	32.78	I						I						I
5.60	78	106	1.87	41.71	I						I						I
5.80	70	136	4.40	15.91	I						I						I
6.00	96	123	1.80	53.33	I						I						I
6.20	70	124	3.60	19.44	I						I						I
6.40	104	189	3.67	18.34	I						I						I
6.60	188	224	2.40	78.33	I						I						I

LEGENDA : PROF. : PROFONDITA' DI IMMISSIONE CN. : RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC : RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X : RAPPORTO QC/FS
 RL. : RESISTENZA LATERALE TOTALE dN/cm²

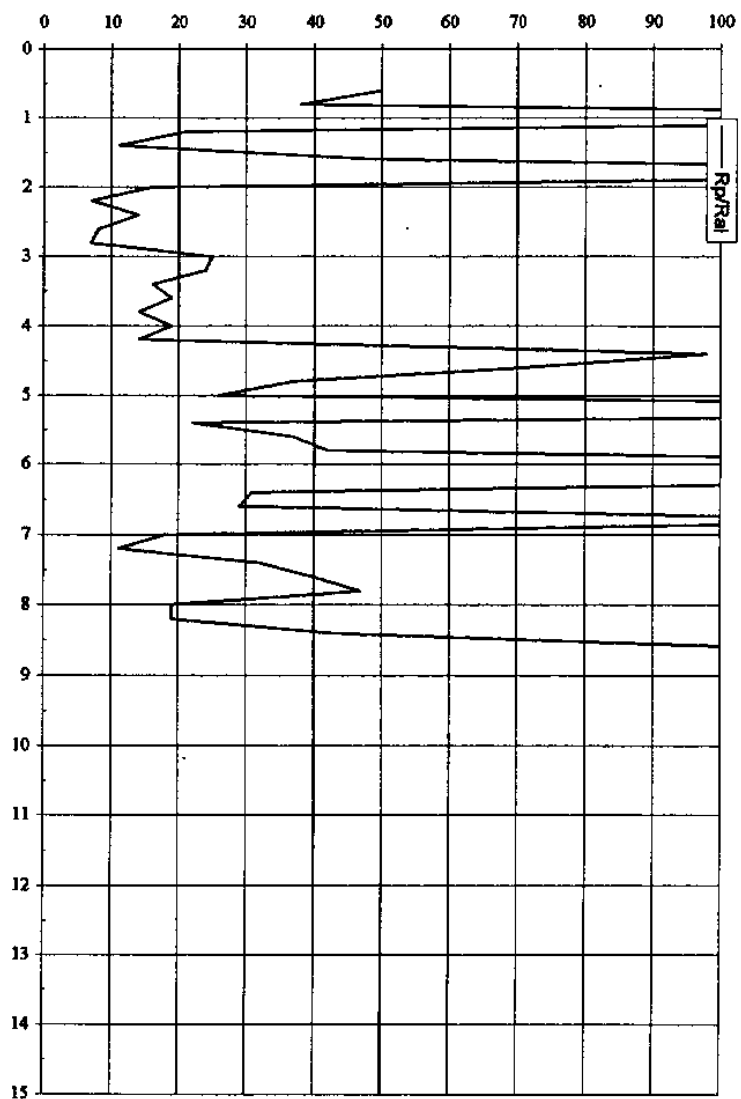
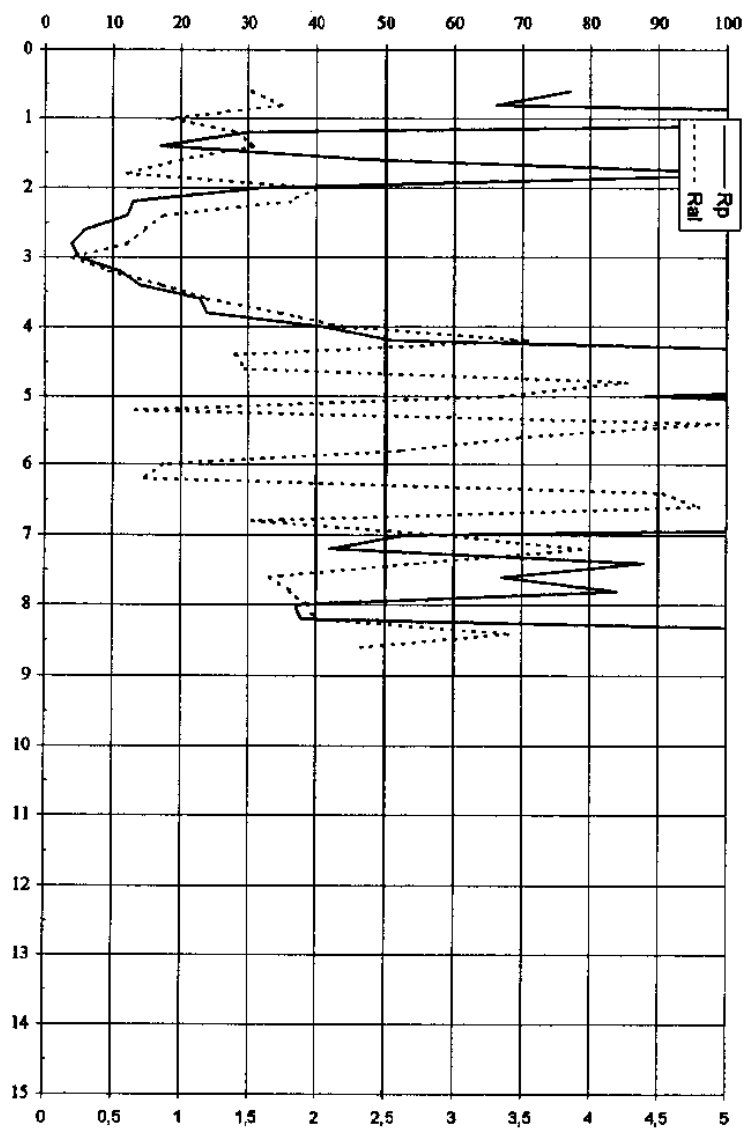
TIPOLOGIA : I=TORBE A=ARGILLA LA=LIMI ARGILLOSI CS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLA

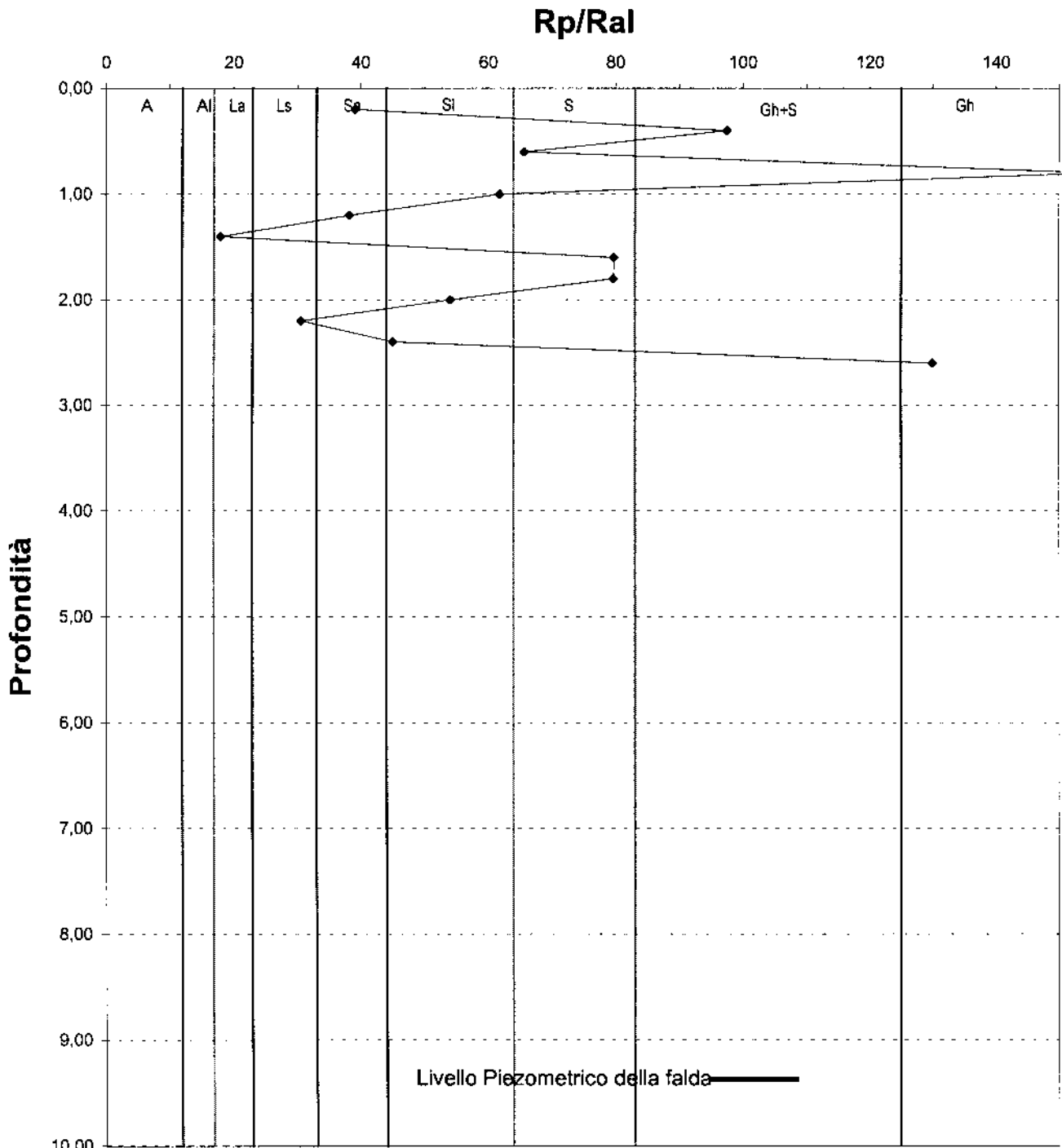


Penetrometro statico Pagani da 20 tonn.

LEGENDA

- Rpt:** Resistenza totale di punta [Kg]
Rat: Resistenza laterale totale del manicotto + resistenza totale di punta [Kg]
Rt: Resistenza totale [Kg]
Rp: Resistenza unitaria di punta
Ral: Resistenza laterale [Kg/cm²]
Rp/Ral: Rapporto Begemann
fi: Angolo di attrito interno [gradi]
Dr: Densità relativa
Cu: Coesione (non drenata) [Kg/cm²]
mv: Coefficiente di compressibilità volumetrica [cm²/t]

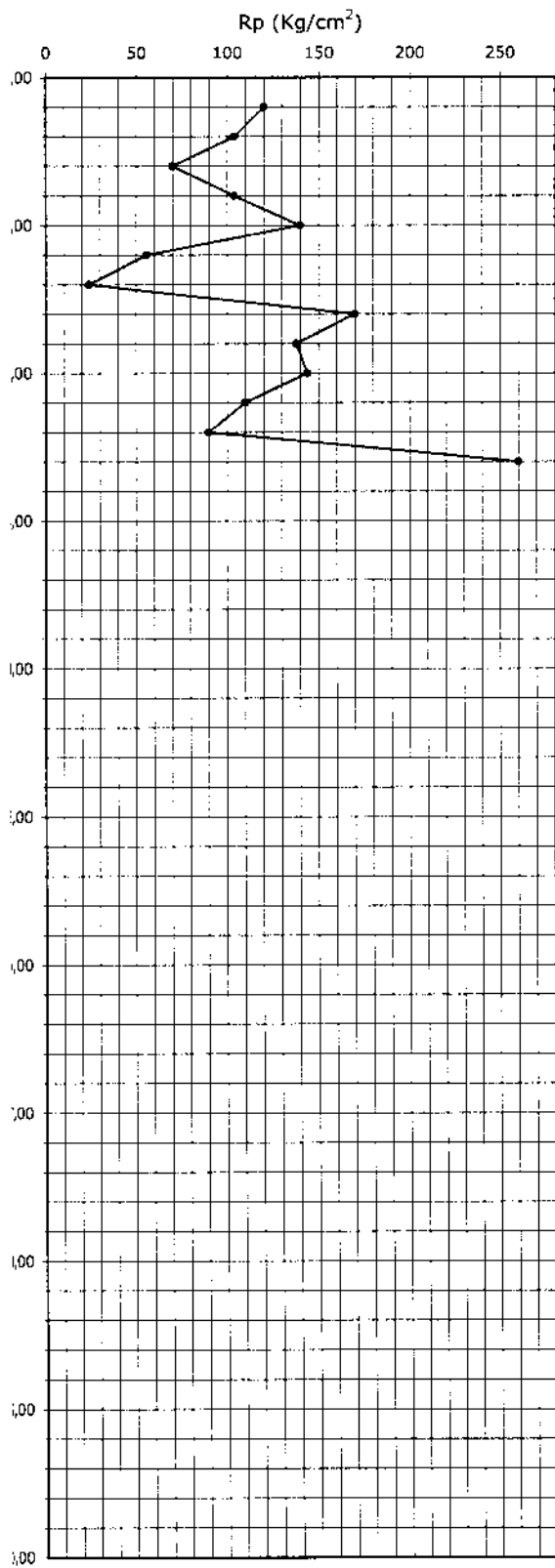




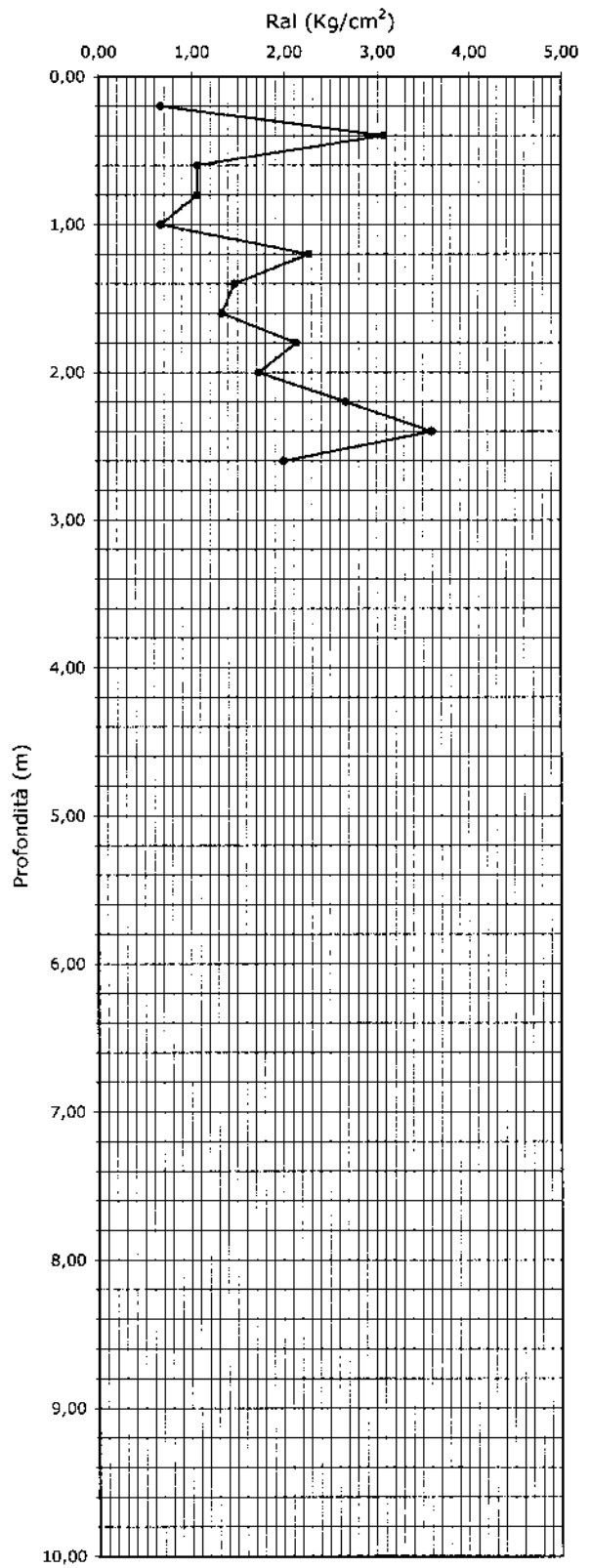
Legenda:

A: Argilla, argilla torbosa; Al: Argilla limosa; La: Limo argilloso; Ls: Limo sabbioso; Sa: Sabbia argillosa; Sl: Sabbia Limosa; S: Sabbia; Gh+s: Ghiaia e sabbia; Gh: Ghiaia

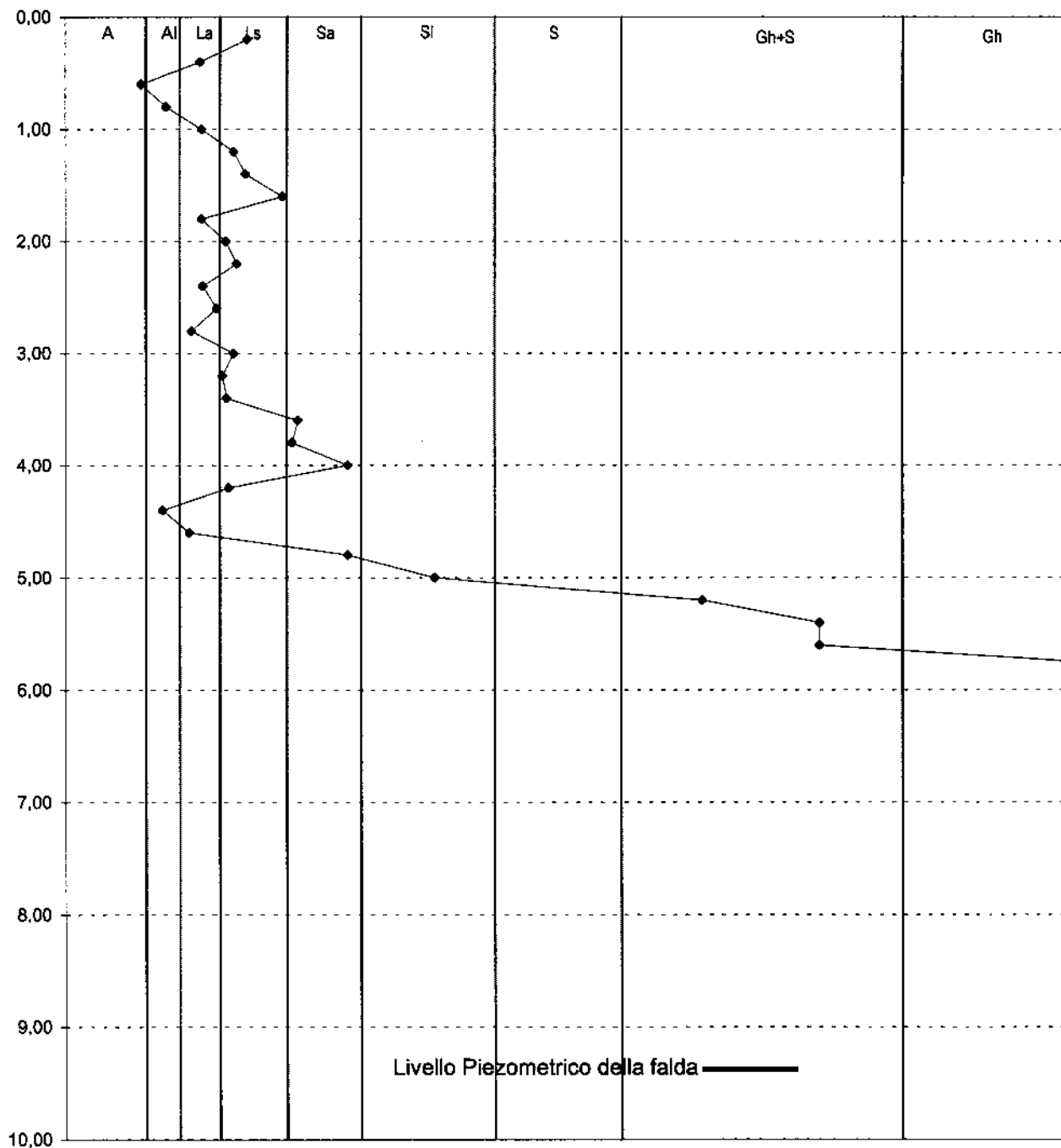
Resistenza alla punta (Rp)



Resistenza laterale (Ral)



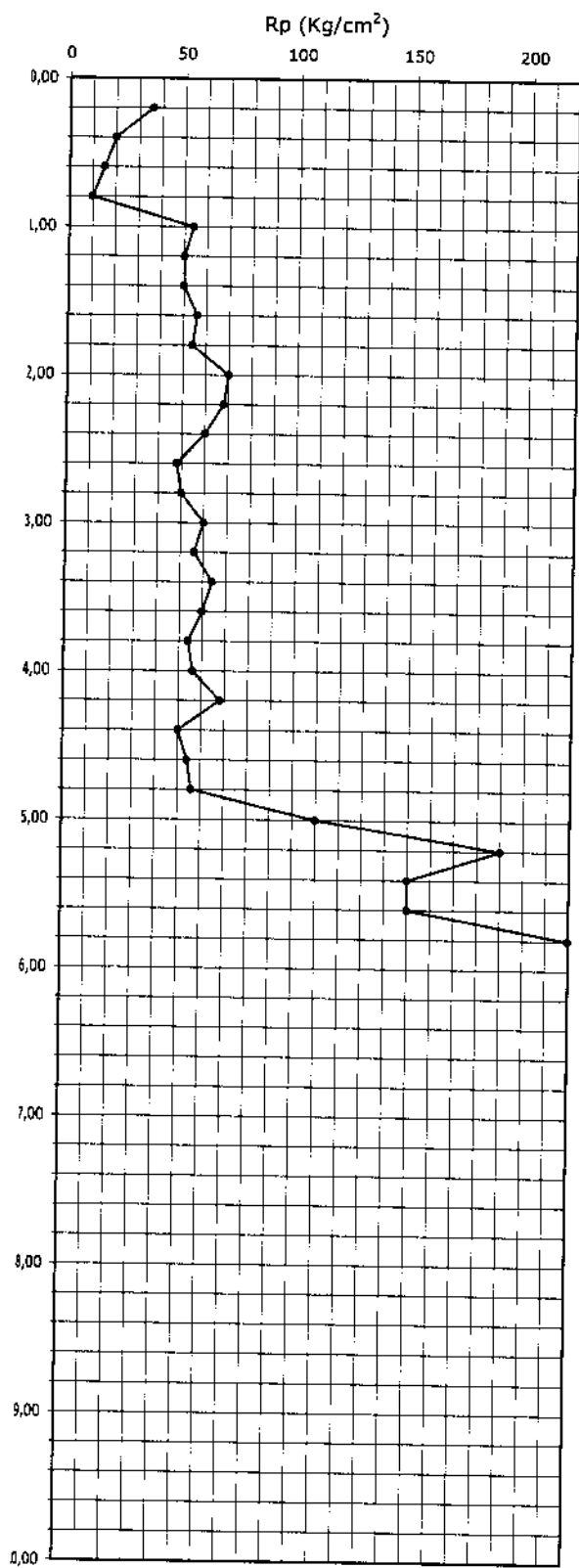
Livello Piezometrico della falda ———



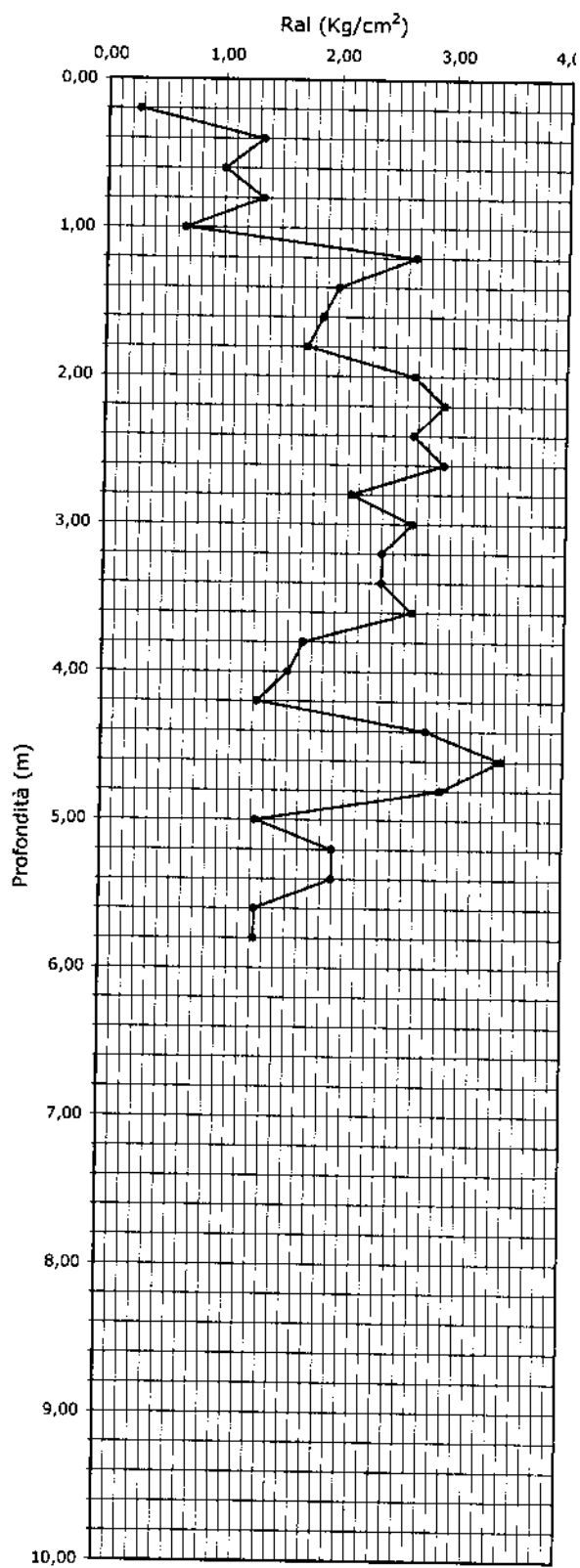
Legenda:

A: Argilla, argilla torbosa; Al: Argilla limosa; La: Limo argilloso; Ls: Limo sabbioso; Sa: Sabbia argillosa; Sl: Sabbia Limosa; S: Sabbia; Gh+s: Ghiaia e sabbia; Gh: Ghiaia

Resistenza alla punta (Rp)



Resistenza laterale (Ral)



Cantiere <u>Poggio Adorno</u>		Località <u>S. Croce (PISA)</u>				
Committente <u>Dr. ssa Mannocci</u>		Data	Prof. Max. <u>8,2 m</u>			
Scala 1:50	Quota	Litologia	Descrizione	Recupero %	Note	
1 2 3 4 5 6 7 8	0,5		Terreno Vegetale	100 %	Campione disturbato S1C1	
	1,1		Sabbia limosa beige sciolta			
	1,8		Limo sabbioso beige con ghiaia			
	2,8		Argilla beige compatta	30% - 40%	Campione indisturbato S1C2	
	4,1		Sabbia limosa fine nocciola con ghiaia			
				Ghiaia con sabbia	carotaggio a distruzione	Campione disturbato S1C3
				Sabbia limosa fine nocciola con ghiaia		
	7,3		Argilla limosa grigio chiara	Campioni indisturbati S1C4 - S1C5		
8,2		Argilla limosa beige				

PROVA PENETROMETRICA STATICA

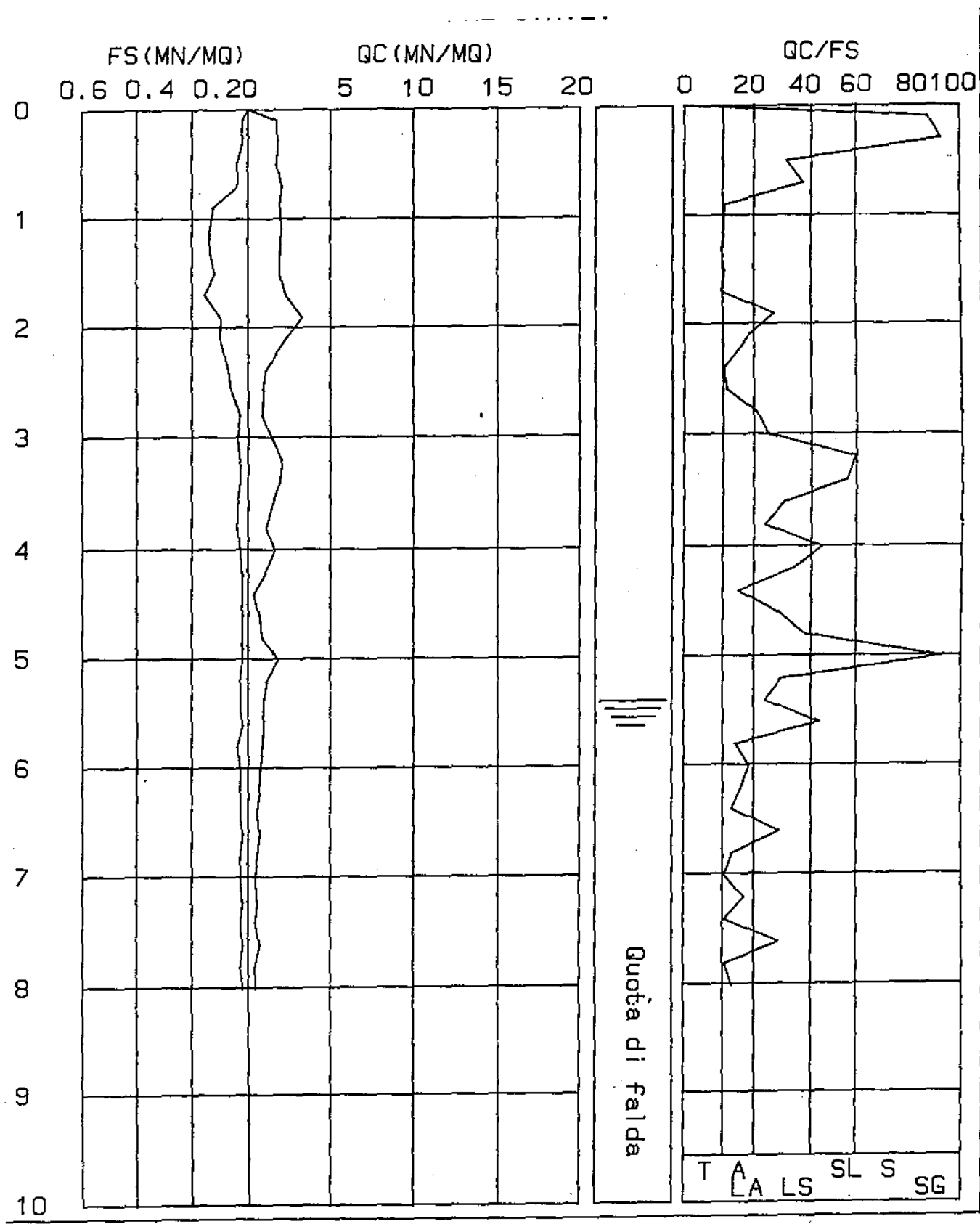
CERTIFICATO N.RO : 176-AA

CANTIERE : COSTRUZIONE DI EDIFICIO AD USO RESIDENZIALE

I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X
I	0.00	1	1	0.00		I						I					
I	0.20	18	21	0.20	90.00	I						I					
I	0.40	19	22	0.20	95.00	I						I					
I	0.60	18	25	0.47	38.30	I						I					
I	0.80	21	28	0.47	44.68	I						I					
I	1.00	20	40	1.33	15.04	I						I					
I	1.20	21	42	1.40	15.00	I						I					
I	1.40	20	41	1.40	14.29	I						I					
I	1.60	20	39	1.27	15.75	I						I					
I	1.80	23	47	1.60	14.37	I						I					
I	2.00	33	48	1.00	33.00	I						I					
I	2.20	24	39	1.00	24.00	I						I					
I	2.40	11	22	0.73	15.07	I						I					
I	2.60	10	19	0.60	16.67	I						I					
I	2.80	9	14	0.33	27.27	I						I					
I	3.00	15	22	0.47	31.91	I						I					
I	3.20	21	26	0.33	63.64	I						I					
I	3.40	20	25	0.33	60.61	I						I					
I	3.60	15	21	0.40	37.50	I						I					
I	3.80	12	18	0.40	30.00	I						I					
I	4.00	17	22	0.33	51.52	I						I					
I	4.20	11	15	0.27	40.74	I						I					
I	4.40	4	7	0.20	20.00	I						I					
I	4.60	7	10	0.20	35.00	I						I					
I	4.80	9	12	0.20	45.00	I						I					
I	5.00	19	22	0.20	95.00	I						I					
I	5.20	12	17	0.33	36.36	I						I					
I	5.40	10	15	0.33	30.30	I						I					
I	5.60	10	13	0.20	50.00	I						I					
I	5.80	9	16	0.47	19.15	I						I					
I	6.00	8	13	0.33	24.24	I						I					
I	6.20	7	12	0.33	21.21	I						I					
I	6.40	6	11	0.33	18.18	I						I					
I	6.60	7	10	0.20	35.00	I						I					
I	6.80	6	11	0.33	18.18	I						I					
I	7.00	5	10	0.33	15.15	I						I					
I	7.20	6	10	0.27	22.22	I						I					
I	7.40	5	10	0.33	15.15	I						I					
I	7.60	7	10	0.20	35.00	I						I					
I	7.80	5	10	0.33	15.15	I						I					
I	8.00	5	9	0.27	18.52	I						I					

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CM. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/caq
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/caq X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/caq

LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO



PROVA PENETROMETRICA STATICA

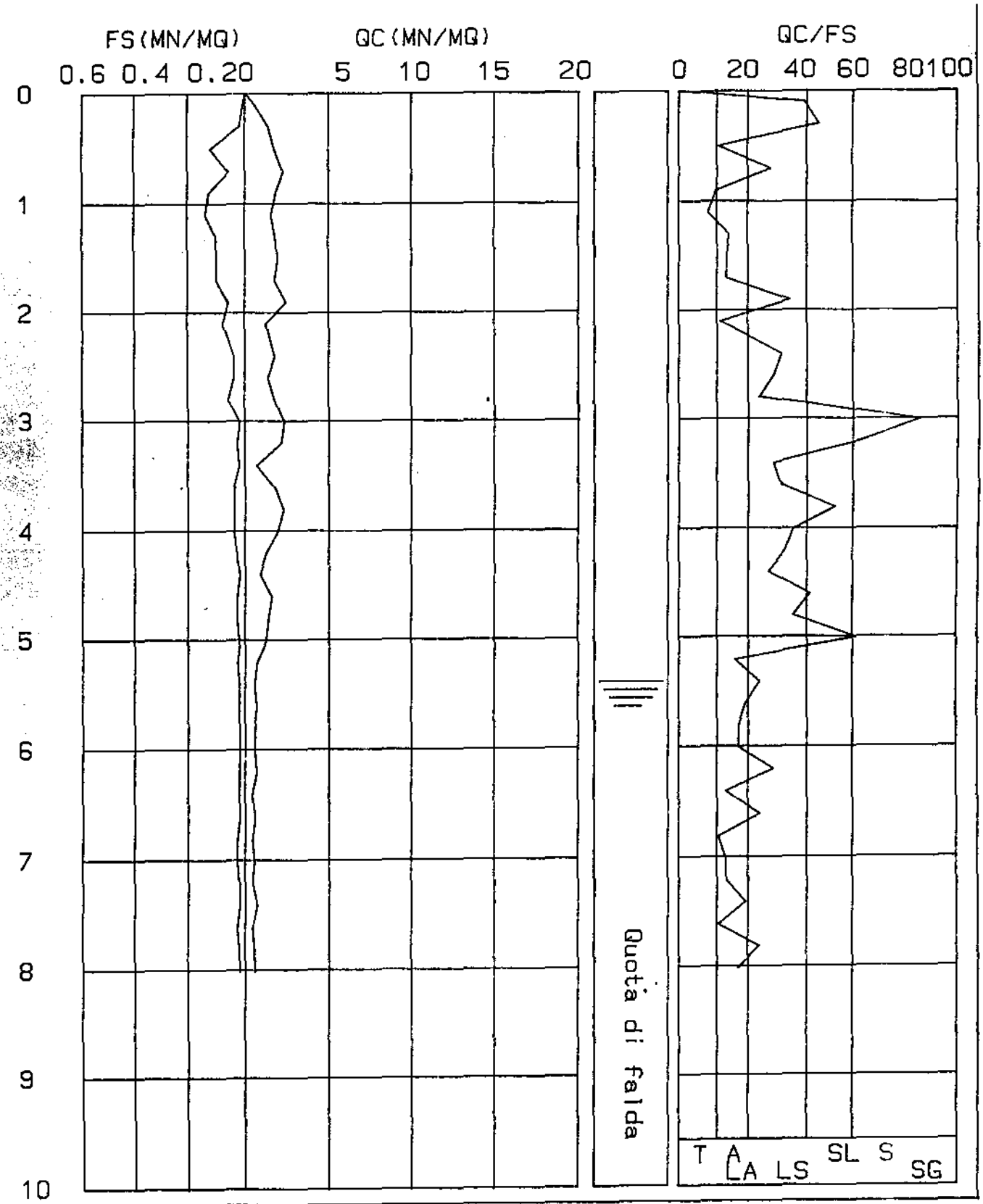
CERTIFICATO N.RO : 177-AA

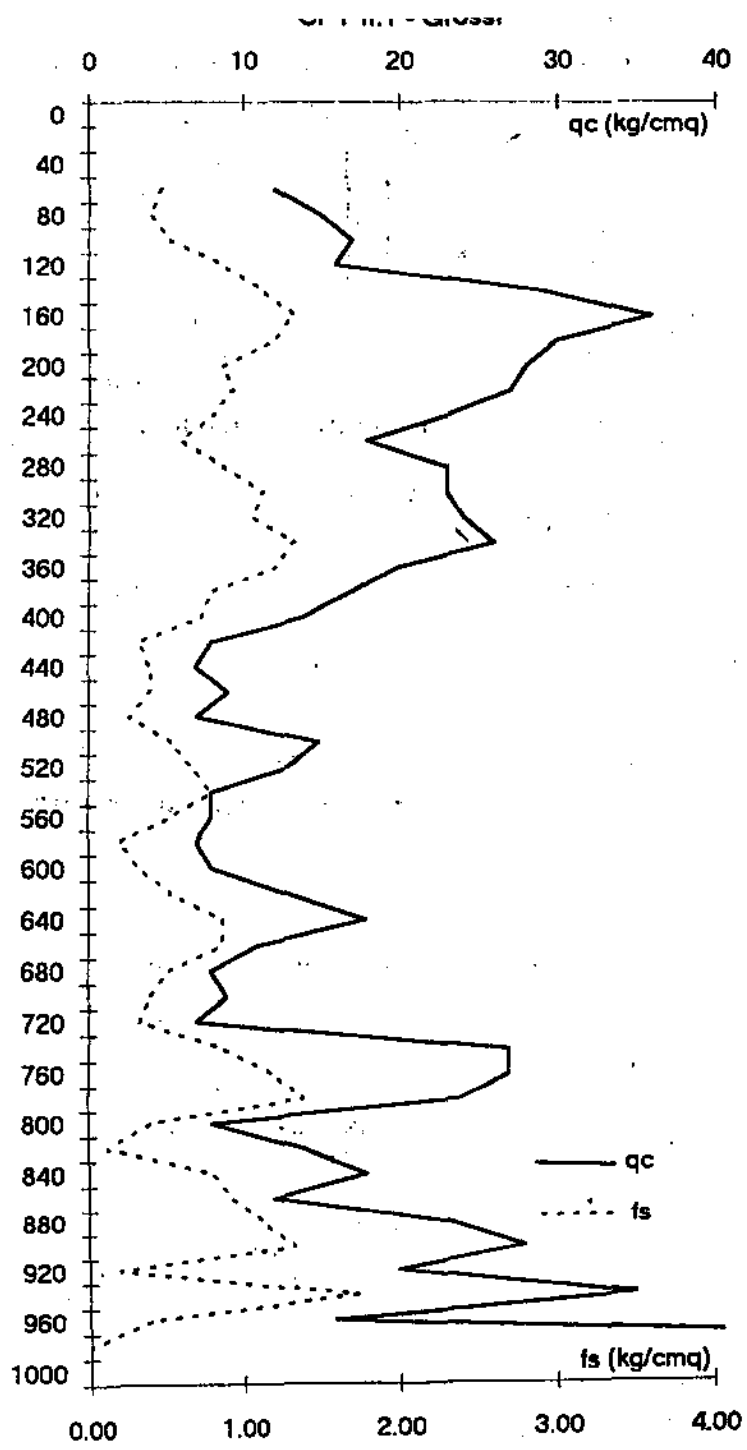
CANTIERE : COSTRUZIONE EDIFICIO AD USO RESIDENZIALE

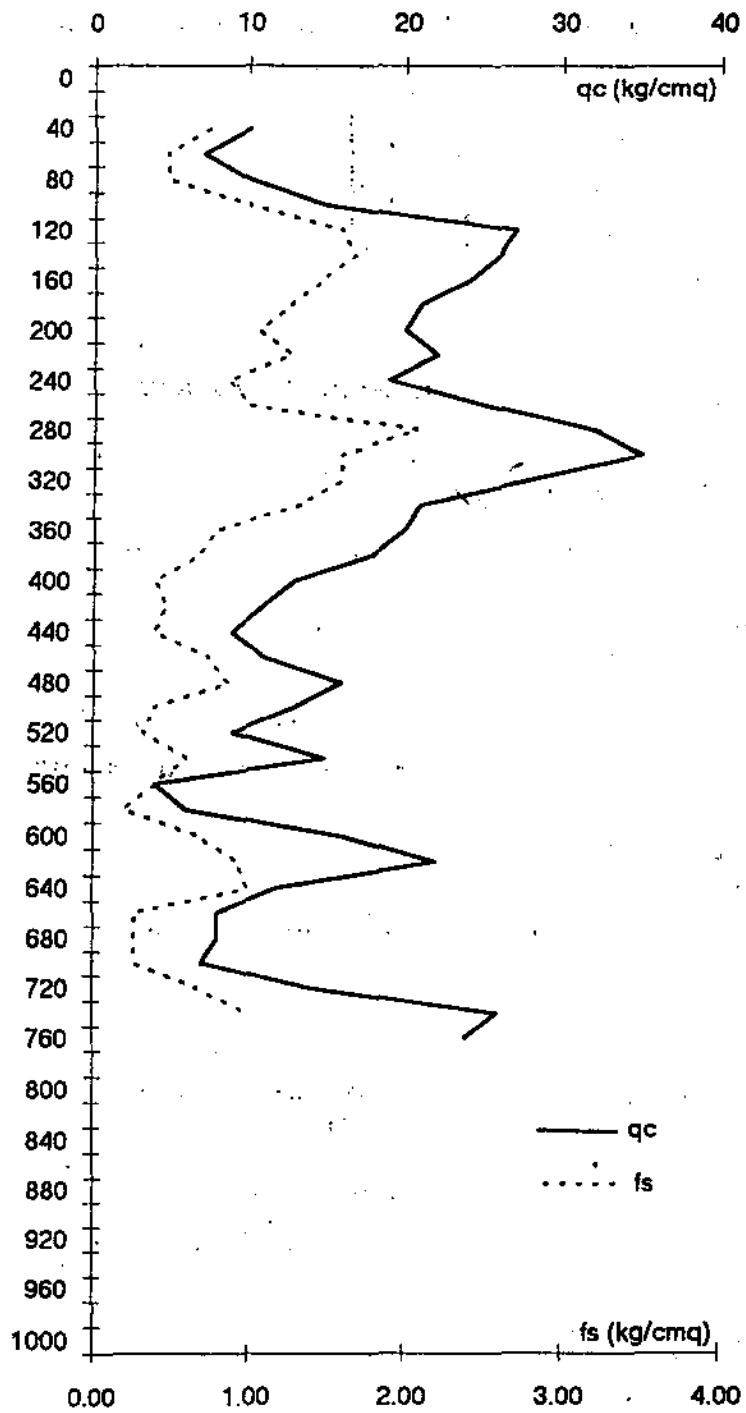
I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X
I	0.00	1	1	0.00	0.00	I						I					
I	0.20	6	8	0.13	46.15	I						I					
I	0.40	14	18	0.27	51.85	I						I					
I	0.60	18	36	1.20	15.00	I						I					
I	0.80	23	33	0.67	34.33	I						I					
I	1.00	19	39	1.33	14.29	I						I					
I	1.20	16	37	1.40	11.43	I						I					
I	1.40	19	34	1.00	19.00	I						I					
I	1.60	20	36	1.07	18.69	I						I					
I	1.80	18	33	1.00	18.00	I						I					
I	2.00	25	34	0.60	41.67	I						I					
I	2.20	13	25	0.80	16.25	I						I					
I	2.40	18	25	0.47	38.30	I						I					
I	2.60	14	20	0.40	35.00	I						I					
I	2.80	18	27	0.60	30.00	I						I					
I	3.00	24	28	0.27	88.89	I						I					
I	3.20	22	27	0.33	66.67	I						I					
I	3.40	7	10	0.20	35.00	I						I					
I	3.60	18	25	0.47	38.30	I						I					
I	3.80	23	29	0.40	57.50	I						I					
I	4.00	20	27	0.47	42.55	I						I					
I	4.20	13	18	0.33	39.39	I						I					
I	4.40	9	13	0.27	33.33	I						I					
I	4.60	16	21	0.33	48.48	I						I					
I	4.80	14	19	0.33	42.42	I						I					
I	5.00	13	16	0.20	65.00	I						I					
I	5.20	7	12	0.33	21.21	I						I					
I	5.40	6	9	0.20	30.00	I						I					
I	5.60	7	11	0.27	25.93	I						I					
I	5.80	6	10	0.27	22.22	I						I					
I	6.00	6	10	0.27	22.22	I						I					
I	6.20	7	10	0.20	35.00	I						I					
I	6.40	5	9	0.27	18.52	I						I					
I	6.60	6	9	0.20	30.00	I						I					
I	6.80	5	10	0.33	15.15	I						I					
I	7.00	6	11	0.33	18.18	I						I					
I	7.20	5	9	0.27	18.52	I						I					
I	7.40	7	11	0.27	25.93	I						I					
I	7.60	5	10	0.33	15.15	I						I					
I	7.80	6	9	0.20	30.00	I						I					
I	8.00	6	10	0.27	22.22	I						I					

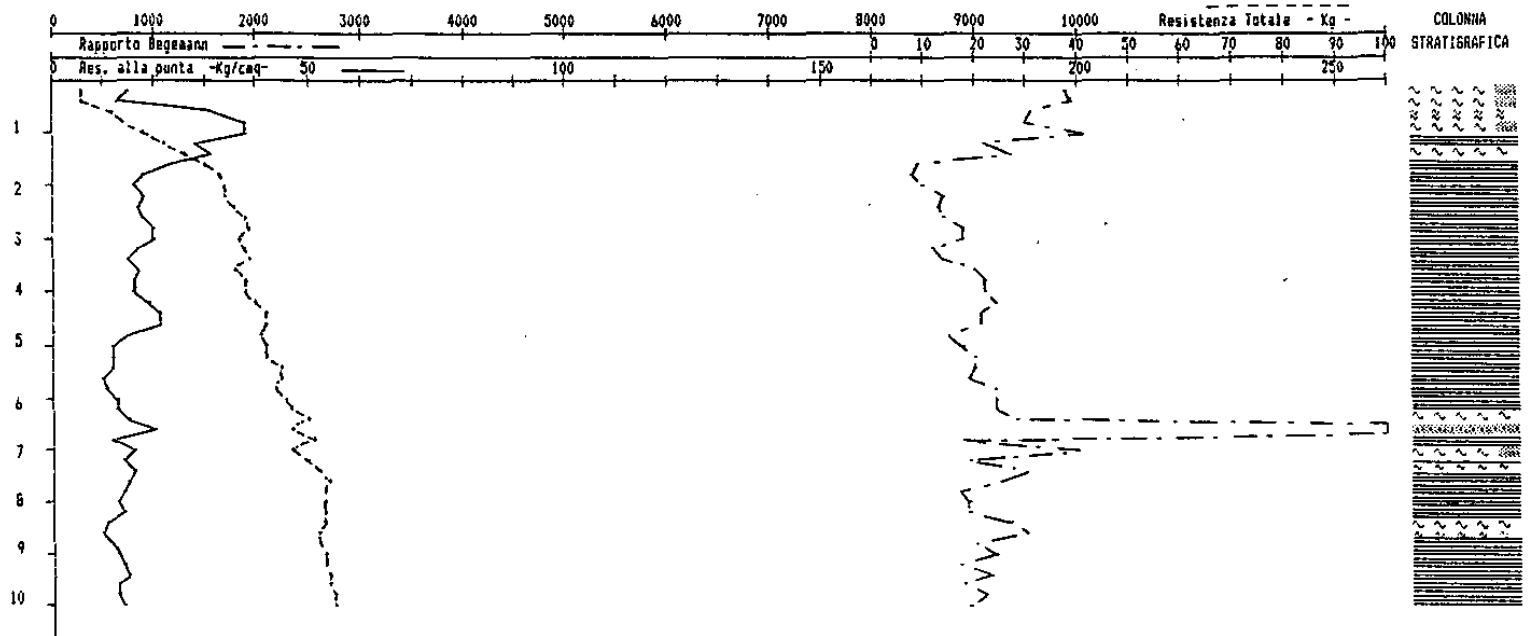
LEGENDA : PROF. = PROFONDITA' DI INFISSIONE CH. FS = RESISTENZA SPECIFICA AL MANICOTTO dN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cm² X = RAPPORTO QC/FS t
 RL = RESISTENZA LATERALE TOTALE dN/cm²

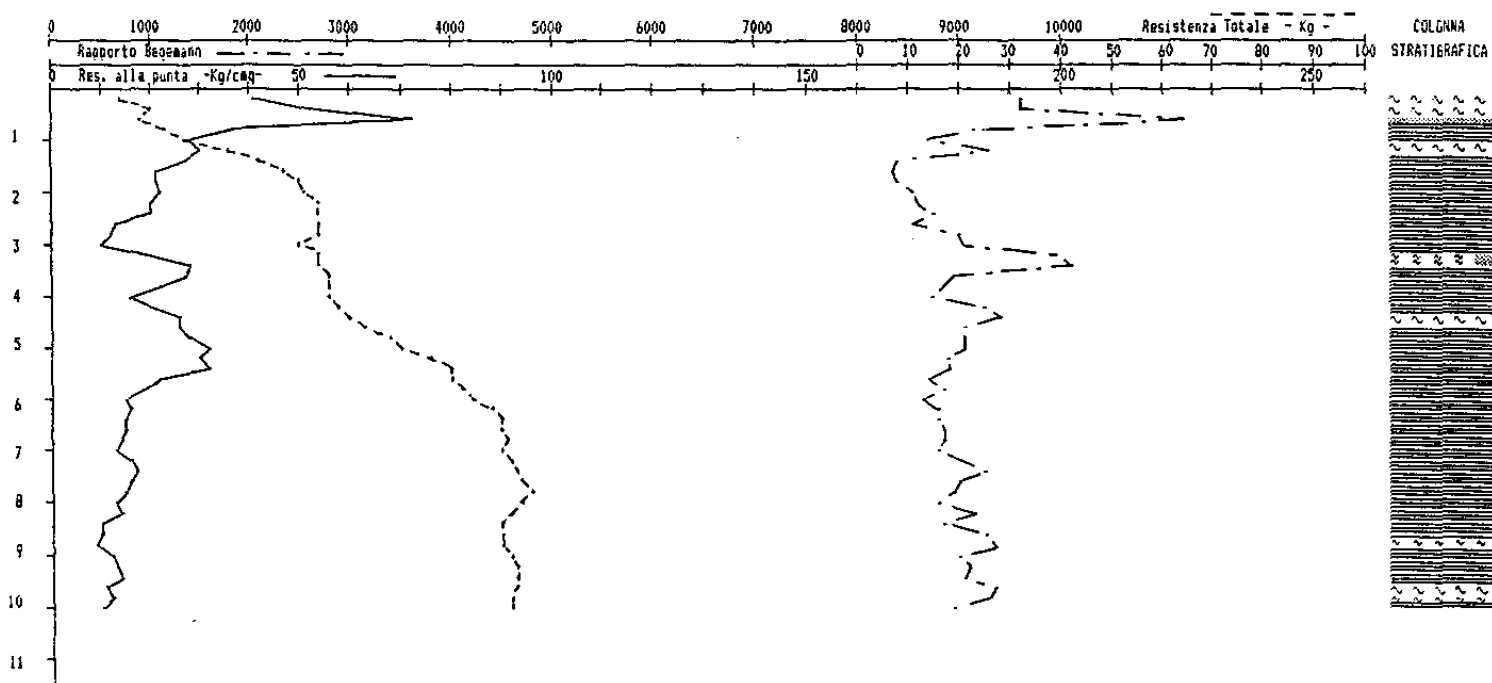
LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLA

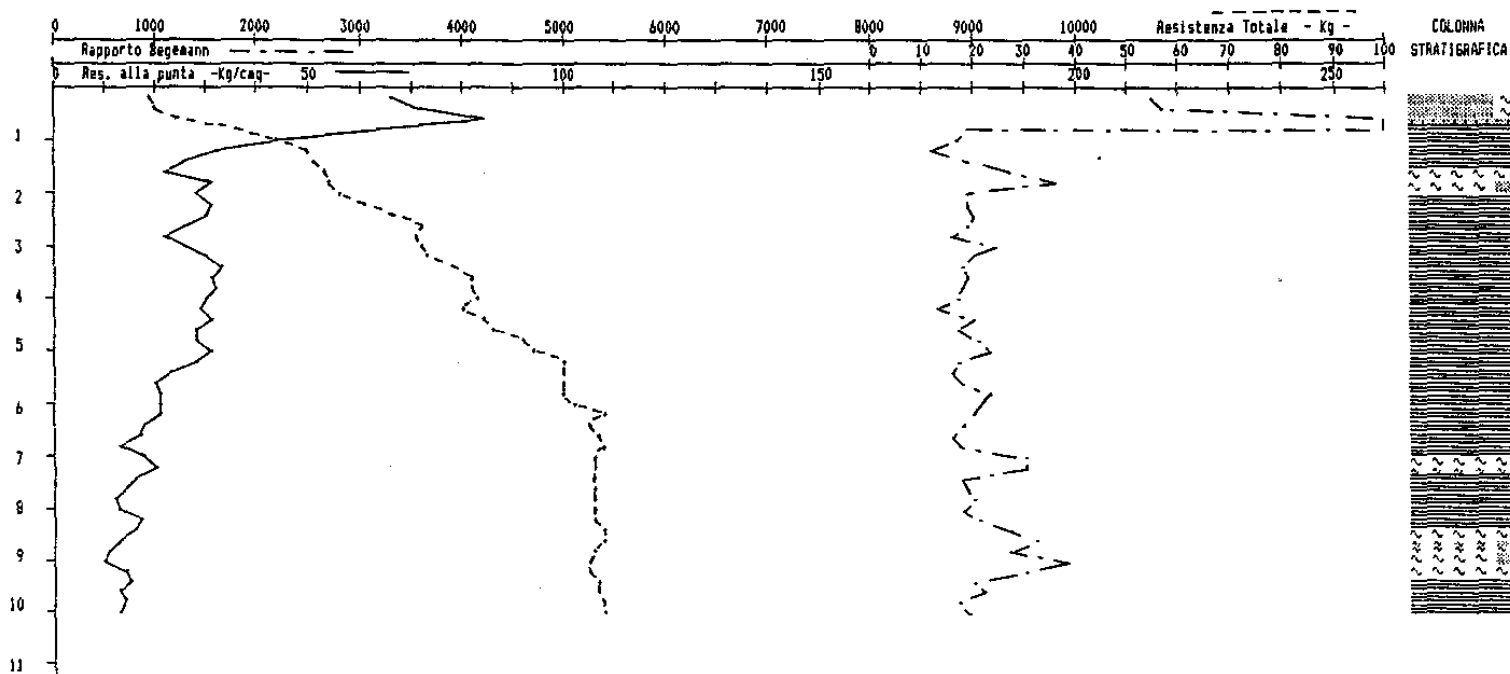


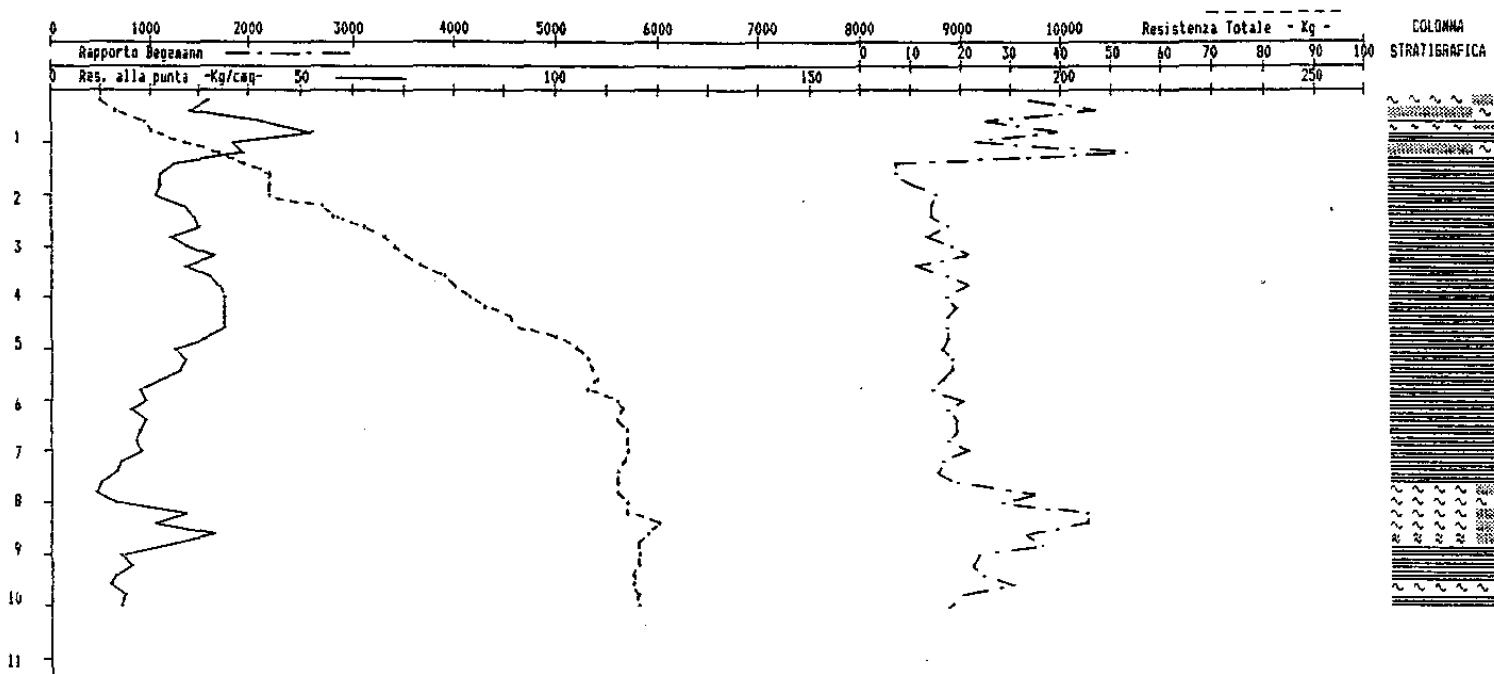


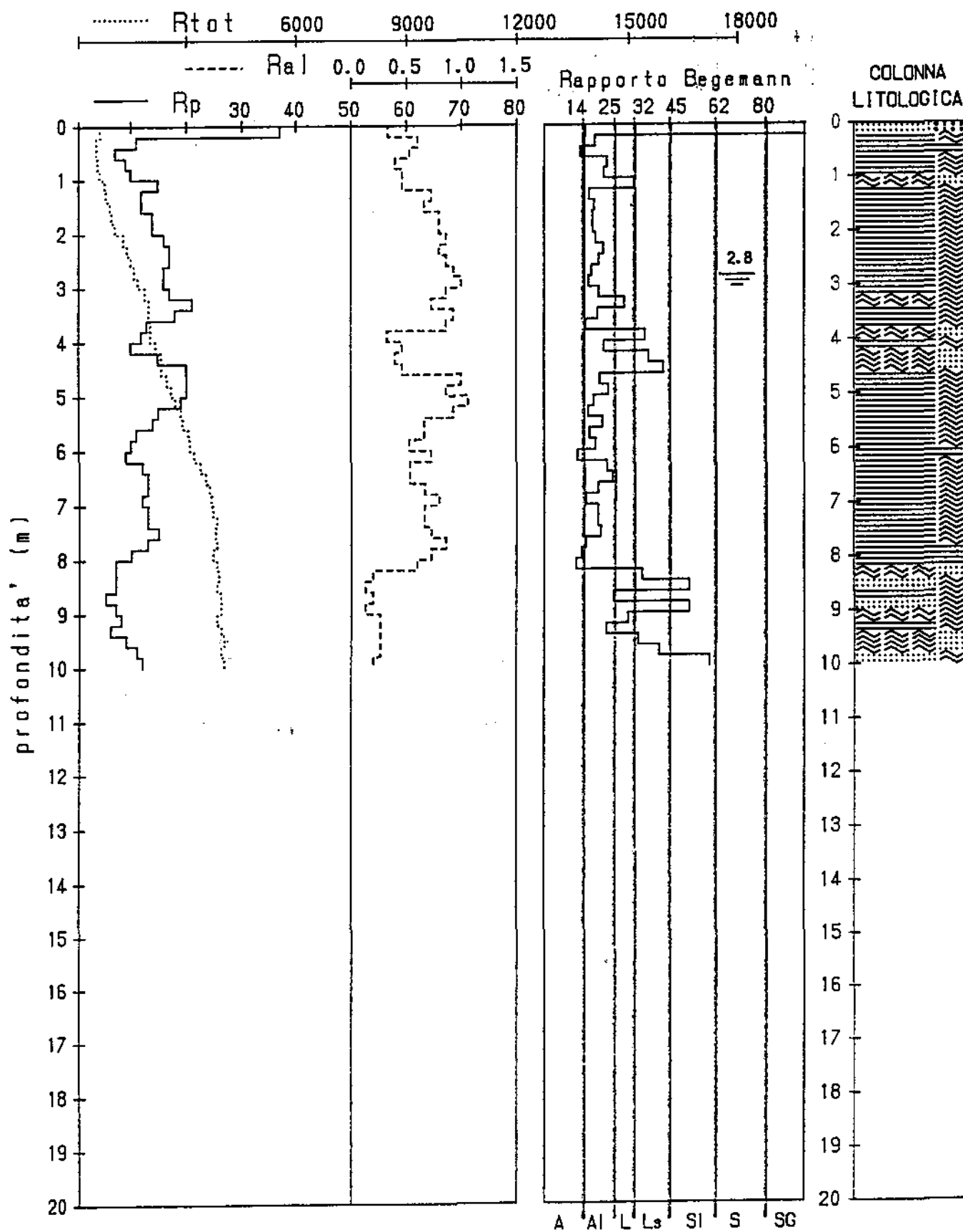


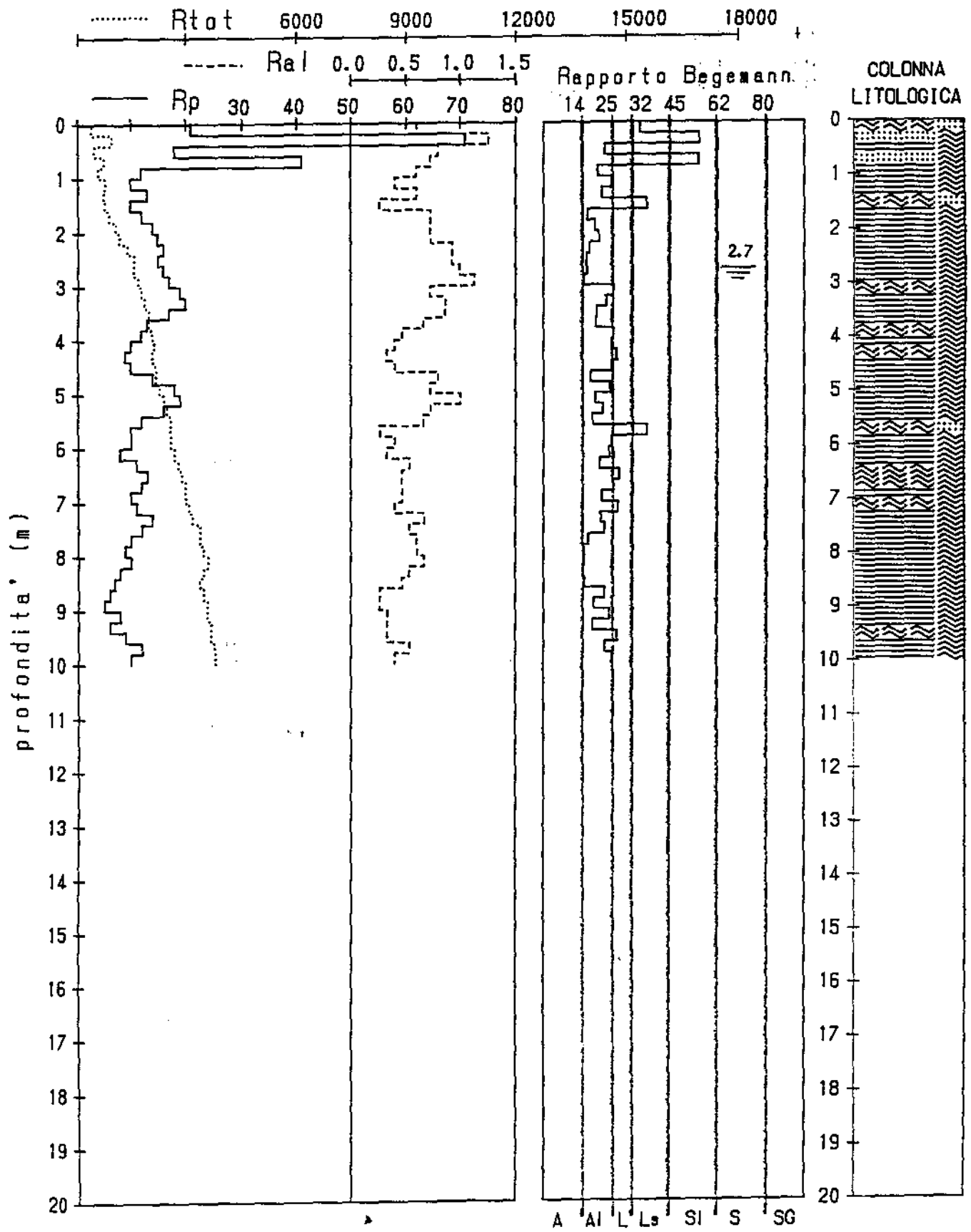


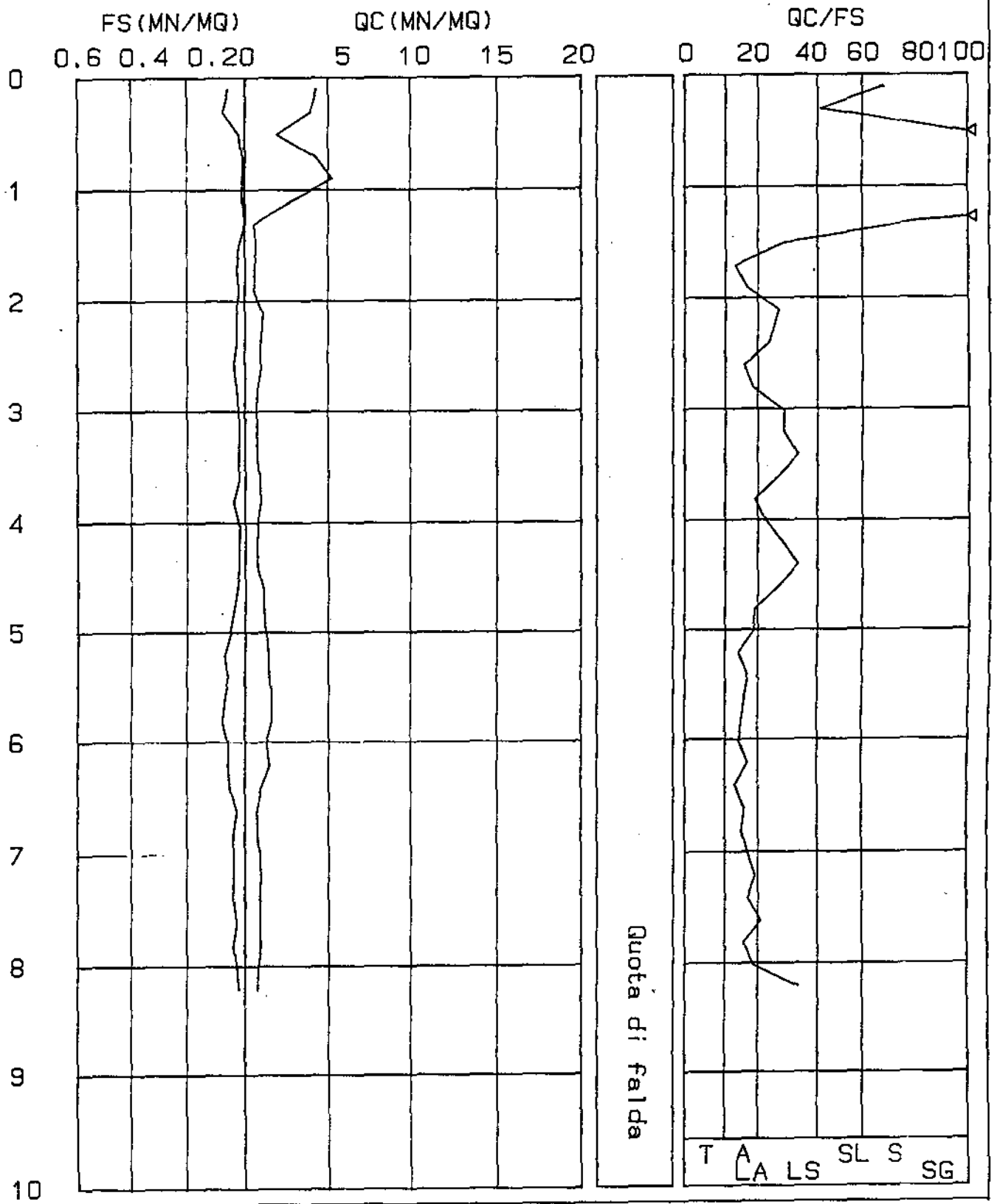


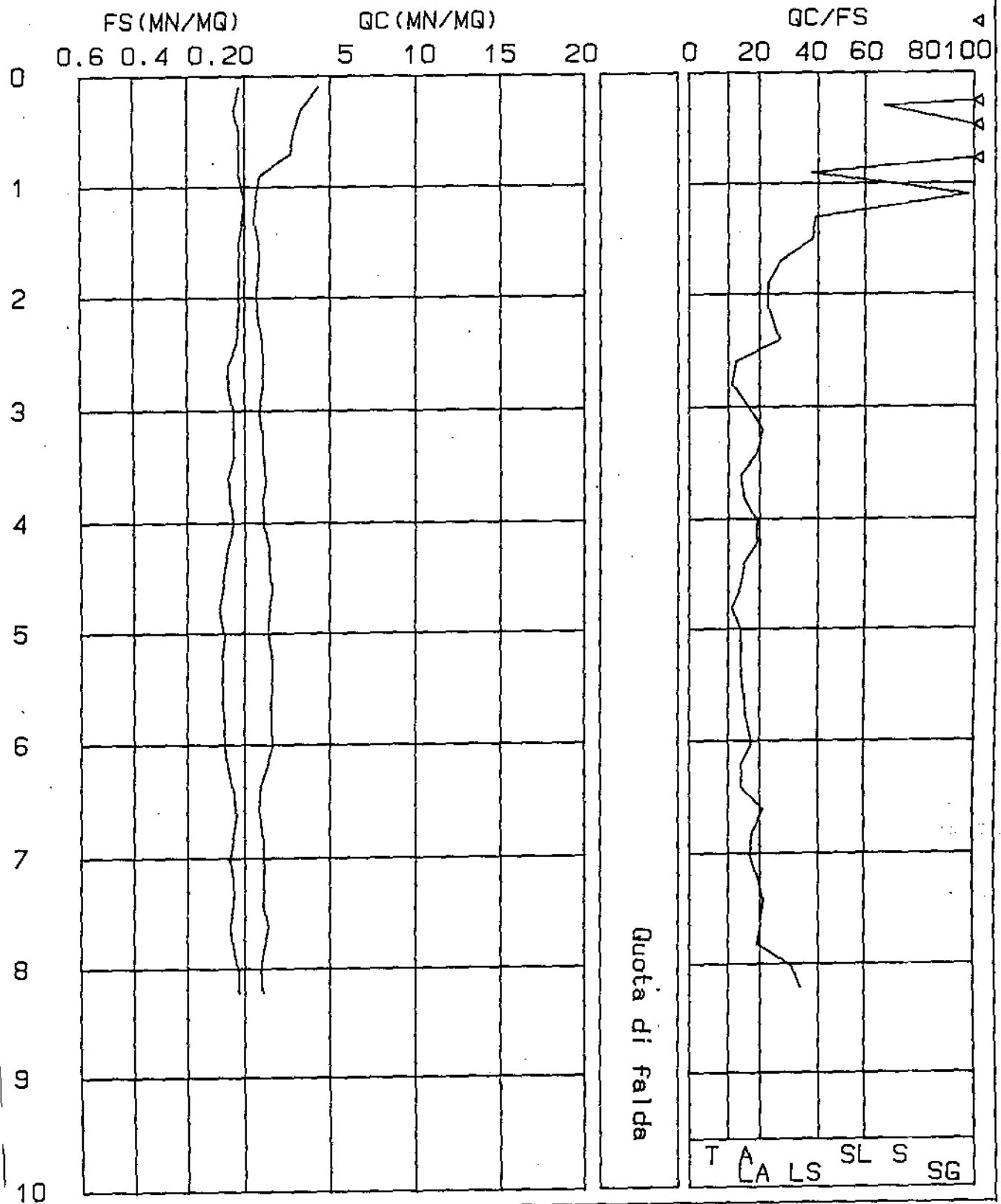


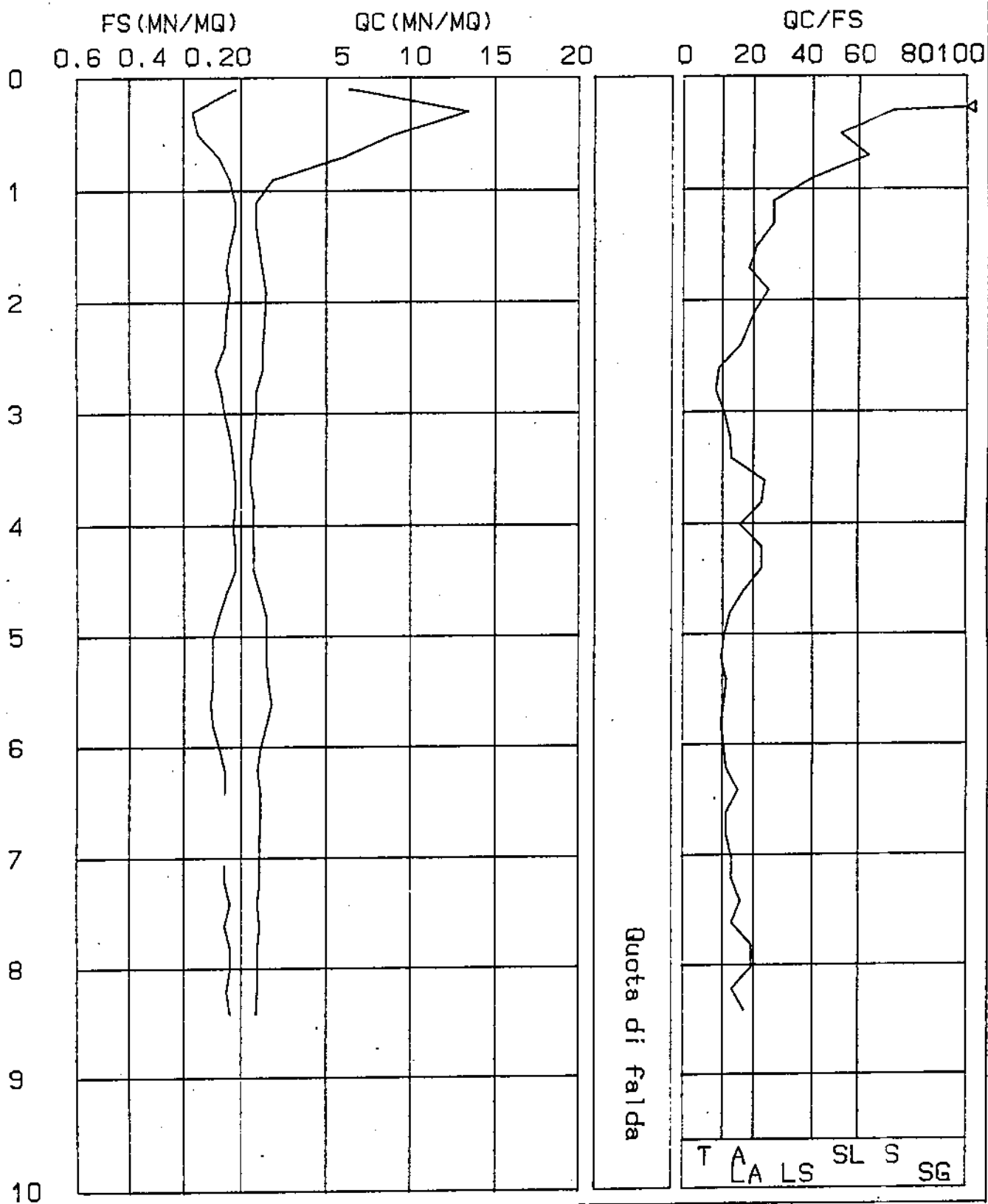












(7)

PROVA PENETROMETRICA STATICA

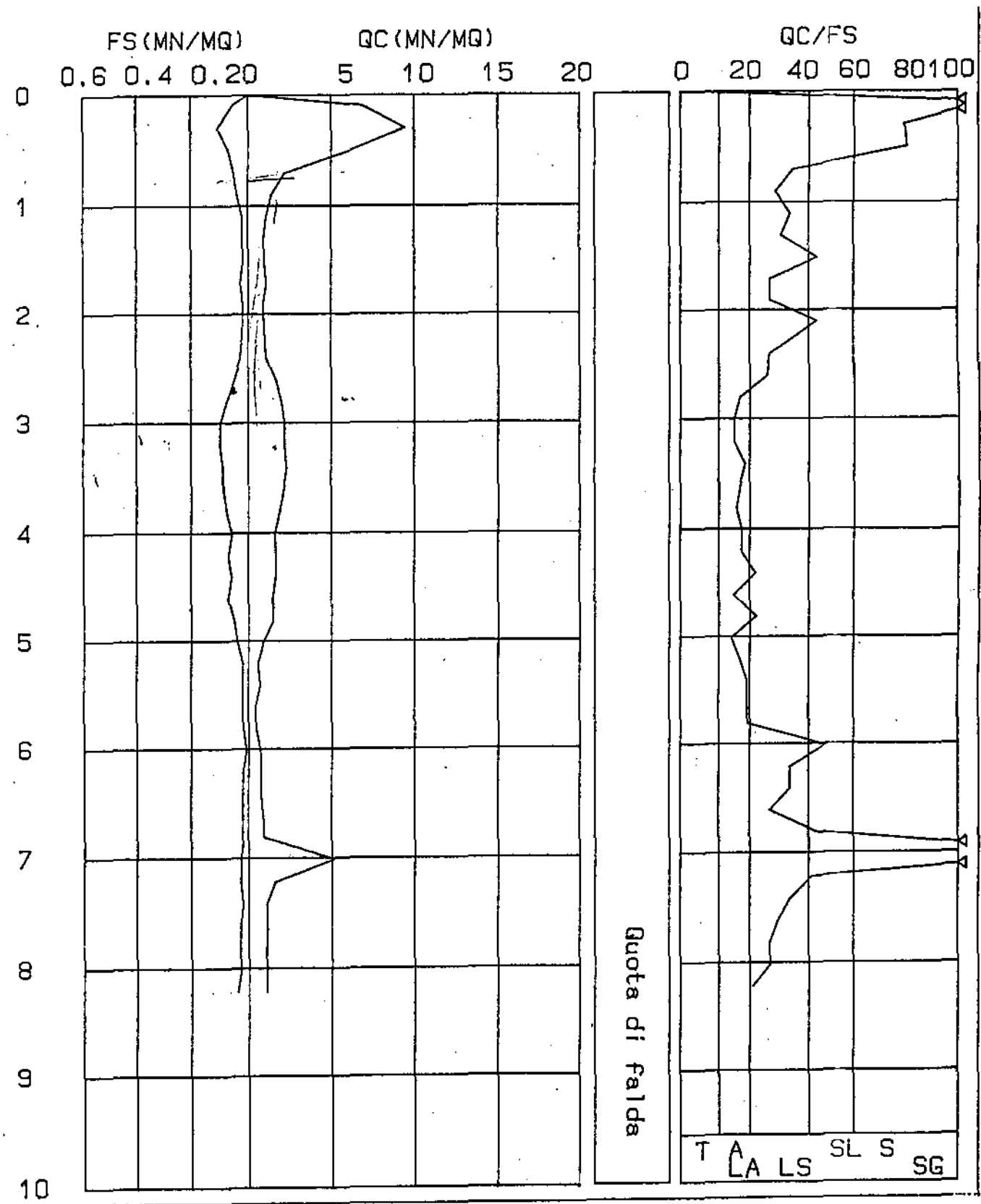
CERTIFICATO N.RO : 142-AA

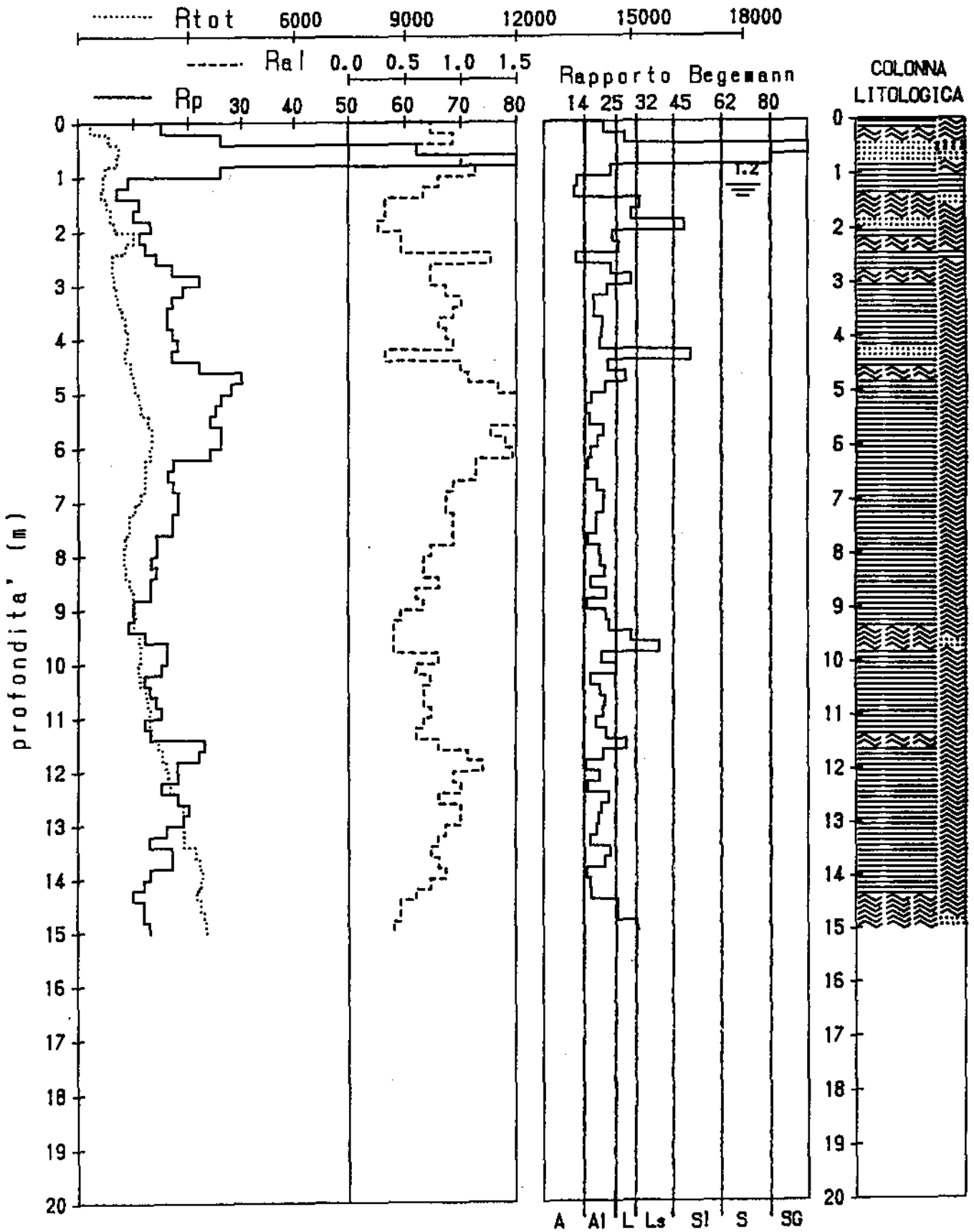
IMPIANTO : COSTRUZIONE DI CAPANNONE - LOTTO 4

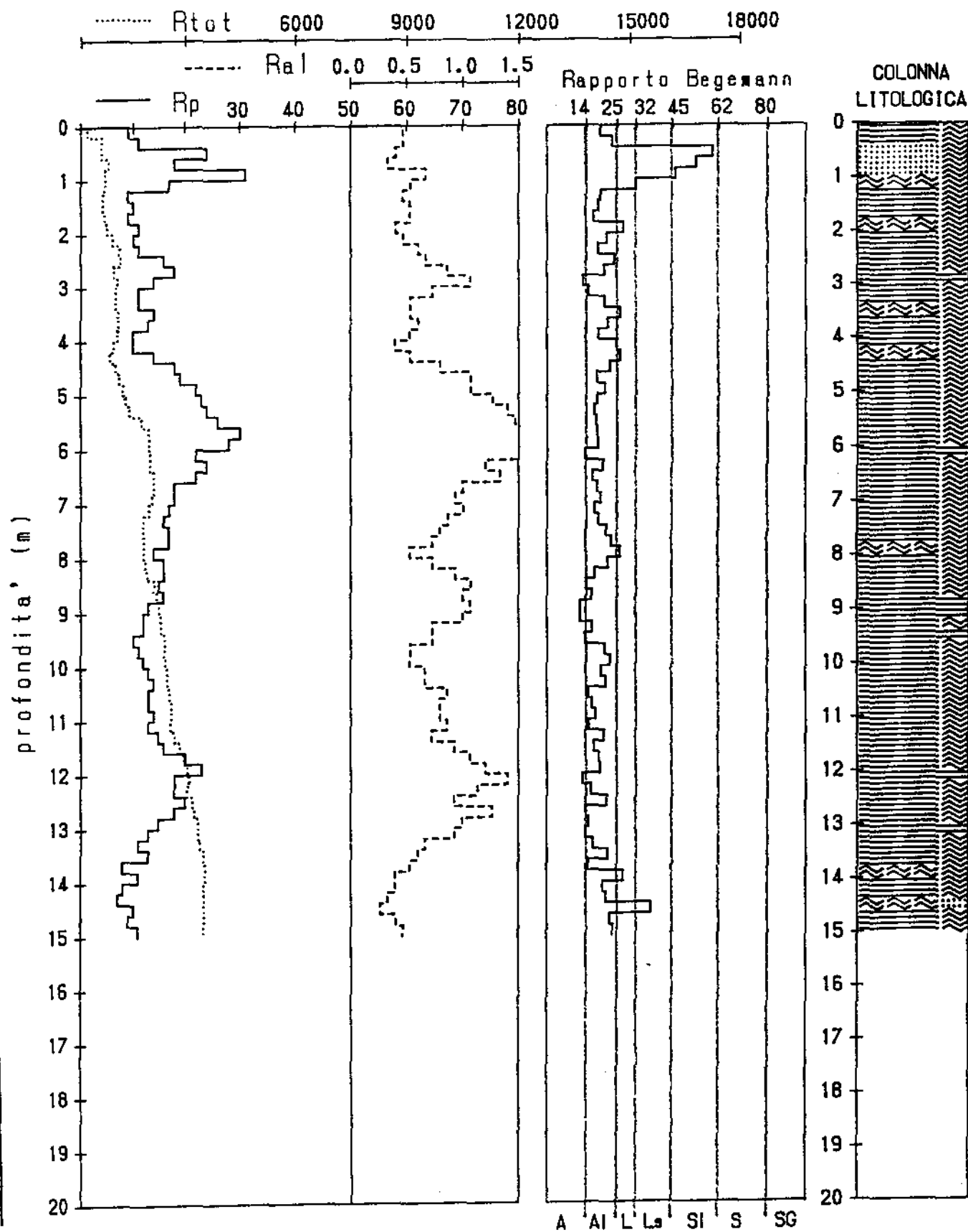
I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.
I	0.00	1	1	0.00	0.00	I						I				
I	0.20	68	77	0.60	113.33	I						I				
I	0.40	93	110	1.13	82.30	I						I				
I	0.60	61	72	0.73	83.56	I						I				
I	0.80	22	30	0.53	41.51	I						I				
I	1.00	14	20	0.40	35.00	I						I				
I	1.20	11	15	0.27	40.74	I						I				
I	1.40	10	14	0.27	37.04	I						I				
I	1.60	10	13	0.20	50.00	I						I				
I	1.80	11	16	0.33	33.33	I						I				
I	2.00	9	13	0.27	33.33	I						I				
I	2.20	10	13	0.20	50.00	I						I				
I	2.40	11	16	0.33	33.33	I						I				
I	2.60	17	25	0.53	32.08	I						I				
I	2.80	20	33	0.87	22.99	I						I				
I	3.00	22	38	1.07	20.56	I						I				
I	3.20	22	38	1.07	20.56	I						I				
I	3.40	23	37	0.93	24.73	I						I				
I	3.60	21	35	0.93	22.58	I						I				
I	3.80	19	32	0.87	21.84	I						I				
I	4.00	16	26	0.67	23.88	I						I				
I	4.20	17	28	0.73	23.29	I						I				
I	4.40	17	26	0.60	28.33	I						I				
I	4.60	15	26	0.73	20.55	I						I				
I	4.80	15	23	0.53	28.30	I						I				
I	5.00	9	16	0.47	19.15	I						I				
I	5.20	6	10	0.27	22.22	I						I				
I	5.40	7	11	0.27	25.93	I						I				
I	5.60	5	8	0.20	25.00	I						I				
I	5.80	5	8	0.20	25.00	I						I				
I	6.00	7	9	0.13	53.85	I						I				
I	6.20	8	11	0.20	40.00	I						I				
I	6.40	8	11	0.20	40.00	I						I				
I	6.60	9	13	0.27	33.33	I						I				
I	6.80	10	13	0.20	50.00	I						I				
I	7.00	51	56	0.33	154.55	I						I				
I	7.20	16	21	0.33	48.48	I						I				
I	7.40	11	15	0.27	40.74	I						I				
I	7.60	12	17	0.33	36.36	I						I				
I	7.80	11	16	0.33	33.33	I						I				
I	8.00	11	16	0.33	33.33	I						I				
I	8.20	11	17	0.40	27.50	I						I				

LEGENDA : PROF. = PROFONDITA' DI INFISSIONE cm. FS = RESISTENZA SPECIFICA AL MANICOTTO daN/cm²
 QC = RESISTENZA SPECIFICA ALLA PUNTA daN/cm² X = RAPPORTO QC/FS
 RL = RESISTENZA LATERALE LOCALE daN/cm²

LITOLOGIA : T=TORRE A=ARGILLE LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIE AG=COPERTURA SUPERFICIALE







PENETROMETRO DINAMICO tipo MEDIO - (DPM) uso rivestimento/fanghi iniezione : NO
 M = 30.0 kg - H = 0.20 m - A = 10.00 cm - D = 35.7 mm N = N(10) [= 10 cm]
 Cantiere : Via Vivaldi- Via Camerini quota inizio : p.c.
 Localit : Castelfranco di Sotto prof. falda = 3.00 m da quota inizio
 note : - data : 13 Marzo 1997

prof. (m)	N (colpi)	Rpd(kg/cm)	asta	prof. (m)	N (colpi)	Rpd(kg/cm)	asta
0.00- 0.10	1.0	5.6	1	4.00- 4.10	2.0	8.6	5
0.10- 0.20	2.0	11.1	1	4.10- 4.20	2.0	8.6	5
0.20- 0.30	3.0	16.7	1	4.20- 4.30	3.0	12.9	5
0.30- 0.40	3.0	16.7	1	4.30- 4.40	2.0	8.6	5
0.40- 0.50	3.0	16.7	1	4.40- 4.50	3.0	12.9	5
0.50- 0.60	6.0	33.3	1	4.50- 4.60	6.0	25.7	5
0.60- 0.70	5.0	27.8	1	4.60- 4.70	4.0	17.1	5
0.70- 0.80	4.0	22.2	1	4.70- 4.80	4.0	17.1	5
0.80- 0.90	5.0	25.9	2	4.80- 4.90	2.0	8.1	6
0.90- 1.00	4.0	20.7	2	4.90- 5.00	6.0	24.3	6
1.00- 1.10	5.0	25.9	2	5.00- 5.10	4.0	16.2	6
1.10- 1.20	5.0	25.9	2	5.10- 5.20	5.0	20.3	6
1.20- 1.30	4.0	20.7	2	5.20- 5.30	6.0	24.3	6
1.30- 1.40	4.0	20.7	2	5.30- 5.40	7.0	28.4	6
1.40- 1.50	4.0	20.7	2	5.40- 5.50	6.0	24.3	6
1.50- 1.60	5.0	25.9	2	5.50- 5.60	6.0	24.3	6
1.60- 1.70	6.0	31.0	2	5.60- 5.70	4.0	16.2	6
1.70- 1.80	9.0	46.6	2	5.70- 5.80	3.0	12.2	6
1.80- 1.90	10.0	48.4	3	5.80- 5.90	3.0	11.5	7
1.90- 2.00	8.0	38.7	3	5.90- 6.00	5.0	19.2	7
2.00- 2.10	7.0	33.9	3	6.00- 6.10	7.0	26.9	7
2.10- 2.20	4.0	19.4	3	6.10- 6.20	7.0	26.9	7
2.20- 2.30	2.0	9.7	3	6.20- 6.30	7.0	26.9	7
2.30- 2.40	3.0	14.5	3	6.30- 6.40	6.0	23.1	7
2.40- 2.50	3.0	14.5	3	6.40- 6.50	6.0	23.1	7
2.50- 2.60	3.0	14.5	3	6.50- 6.60	6.0	23.1	7
2.60- 2.70	2.0	9.7	3	6.60- 6.70	6.0	23.1	7
2.70- 2.80	3.0	14.5	3	6.70- 6.80	5.0	19.2	7
2.80- 2.90	3.0	13.6	4	6.80- 6.90	4.0	14.6	8
2.90- 3.00	2.0	9.1	4	6.90- 7.00	5.0	18.3	8
3.00- 3.10	4.0	18.2	4	7.00- 7.10	8.0	29.3	8
3.10- 3.20	5.0	22.7	4	7.10- 7.20	6.0	22.0	8
3.20- 3.30	6.0	27.3	4	7.20- 7.30	5.0	18.3	8
3.30- 3.40	4.0	18.2	4	7.30- 7.40	5.0	18.3	8
3.40- 3.50	3.0	13.6	4	7.40- 7.50	3.0	11.0	8
3.50- 3.60	4.0	18.2	4	7.50- 7.60	6.0	22.0	8
3.60- 3.70	2.0	9.1	4	7.60- 7.70	4.0	14.6	8
3.70- 3.80	2.0	9.1	4	7.70- 7.80	6.0	22.0	8
3.80- 3.90	2.0	8.6	5	7.80- 7.90	8.0	27.9	9
3.90- 4.00	2.0	8.6	5	7.90- 8.00	7.0	24.4	9

prof. (m)	N (colpi)	Rpd(kg/cm)	asta	prof. (m)	N (colpi)	Rpd(kg/cm)	asta
8.00- 8.10	7.0	24.4	9	9.80- 9.90	14.0	44.7	11
8.10- 8.20	7.0	24.4	9	9.90-10.00	16.0	51.1	11
8.20- 8.30	7.0	24.4	9	10.00-10.10	13.0	41.5	11
8.30- 8.40	6.0	20.9	9	10.10-10.20	13.0	41.5	11
8.40- 8.50	5.0	17.4	9	10.20-10.30	12.0	38.3	11
8.50- 8.60	6.0	20.9	9	10.30-10.40	13.0	41.5	11
8.60- 8.70	7.0	24.4	9	10.40-10.50	13.0	41.5	11
8.70- 8.80	8.0	27.9	9	10.50-10.60	12.0	38.3	11
8.80- 8.90	7.0	23.3	10	10.60-10.70	19.0	60.6	11
8.90- 9.00	6.0	20.0	10	10.70-10.80	25.0	79.8	11
9.00- 9.10	7.0	23.3	10	10.80-10.90	15.0	45.9	12
9.10- 9.20	4.0	13.3	10	10.90-11.00	13.0	39.8	12
9.20- 9.30	5.0	16.7	10	11.00-11.10	16.0	49.0	12
9.30- 9.40	3.0	10.0	10	11.10-11.20	18.0	55.1	12
9.40- 9.50	5.0	16.7	10	11.20-11.30	18.0	55.1	12
9.50- 9.60	6.0	20.0	10	11.30-11.40	19.0	58.2	12
9.60- 9.70	11.0	36.7	10	11.40-11.50	16.0	49.0	12
9.70- 9.80	13.0	43.3	10	11.50-11.60	14.0	42.9	12

PROVA PENETROMETR. DINAMICA n. 2
TABELLE VALORI RESISTENZA R&Z 1993

PENETROMETRO DINAMICO tipo MEDIO - (DPM) uso rivestimento/fanghi iniezione : NO
M = 30.0 kg - H = 0.20 m - A = 10.00 cm - D = 35.7 mm N = N(10) [= 10 cm]
Cantiere : Via Vivaldi - Via Camerini quota inizio : p.c.
Localit : Castelfranco di Sotto prof. falda = 3.00 m da quota inizio
note : - data : 13 Marzo 1997

prof.(m)	N (colpi)	Rpd(kg/cm)	asta	prof.(m)	N (colpi)	Rpd(kg/cm)	asta
0.00- 0.10	1.0	5.6	1	4.00- 4.10	4.0	17.1	5
0.10- 0.20	2.0	11.1	1	4.10- 4.20	3.0	12.9	5
0.20- 0.30	2.0	11.1	1	4.20- 4.30	5.0	21.4	5
0.30- 0.40	4.0	22.2	1	4.30- 4.40	5.0	21.4	5
0.40- 0.50	4.0	22.2	1	4.40- 4.50	6.0	25.7	5
0.50- 0.60	3.0	16.7	1	4.50- 4.60	4.0	17.1	5
0.60- 0.70	3.0	16.7	1	4.60- 4.70	3.0	12.9	5
0.70- 0.80	4.0	22.2	1	4.70- 4.80	7.0	30.0	5
0.80- 0.90	6.0	31.0	2	4.80- 4.90	5.0	20.3	6
0.90- 1.00	5.0	25.9	2	4.90- 5.00	4.0	16.2	6
1.00- 1.10	5.0	25.9	2	5.00- 5.10	5.0	20.3	6
1.10- 1.20	4.0	20.7	2	5.10- 5.20	6.0	24.3	6
1.20- 1.30	4.0	20.7	2	5.20- 5.30	6.0	24.3	6
1.30- 1.40	4.0	20.7	2	5.30- 5.40	4.0	16.2	6
1.40- 1.50	4.0	20.7	2	5.40- 5.50	3.0	12.2	6
1.50- 1.60	7.0	36.2	2	5.50- 5.60	4.0	16.2	6
1.60- 1.70	11.0	56.9	2	5.60- 5.70	5.0	20.3	6
1.70- 1.80	13.0	67.2	2	5.70- 5.80	4.0	16.2	6
1.80- 1.90	10.0	48.4	3	5.80- 5.90	5.0	19.2	7
1.90- 2.00	7.0	33.9	3	5.90- 6.00	6.0	23.1	7
2.00- 2.10	3.0	14.5	3	6.00- 6.10	6.0	23.1	7
2.10- 2.20	3.0	14.5	3	6.10- 6.20	4.0	15.4	7
2.20- 2.30	1.0	4.8	3	6.20- 6.30	5.0	19.2	7
2.30- 2.40	2.0	9.7	3	6.30- 6.40	5.0	19.2	7
2.40- 2.50	4.0	19.4	3	6.40- 6.50	5.0	19.2	7
2.50- 2.60	7.0	33.9	3	6.50- 6.60	4.0	15.4	7
2.60- 2.70	5.0	24.2	3	6.60- 6.70	4.0	15.4	7
2.70- 2.80	3.0	14.5	3	6.70- 6.80	5.0	19.2	7
2.80- 2.90	3.0	13.6	4	6.80- 6.90	6.0	22.0	8
2.90- 3.00	2.0	9.1	4	6.90- 7.00	5.0	18.3	8
3.00- 3.10	2.0	9.1	4	7.00- 7.10	6.0	22.0	8
3.10- 3.20	3.0	13.6	4	7.10- 7.20	8.0	29.3	8
3.20- 3.30	6.0	27.3	4	7.20- 7.30	8.0	29.3	8
3.30- 3.40	4.0	18.2	4	7.30- 7.40	6.0	22.0	8
3.40- 3.50	3.0	13.6	4	7.40- 7.50	7.0	25.6	8
3.50- 3.60	4.0	18.2	4	7.50- 7.60	8.0	29.3	8
3.60- 3.70	3.0	13.6	4	7.60- 7.70	7.0	25.6	8
3.70- 3.80	3.0	13.6	4	7.70- 7.80	6.0	22.0	8
3.80- 3.90	2.0	8.6	5	7.80- 7.90	4.0	14.0	9
3.90- 4.00	5.0	21.4	5	7.90- 8.00	4.0	14.0	9

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prof. (m)	N (colpi)	Rpd(kg/cm)	asta	prof. (m)	N (colpi)	Rpd(kg/cm)	asta
8.00- 8.10	4.0	14.0	9	9.30- 9.40	4.0	13.3	10
8.10- 8.20	4.0	14.0	9	9.40- 9.50	5.0	16.7	10
8.20- 8.30	4.0	14.0	9	9.50- 9.60	13.0	43.3	10
8.30- 8.40	5.0	17.4	9	9.60- 9.70	14.0	46.7	10
8.40- 8.50	7.0	24.4	9	9.70- 9.80	14.0	46.7	10
8.50- 8.60	4.0	14.0	9	9.80- 9.90	15.0	47.9	11
8.60- 8.70	5.0	17.4	9	9.90-10.00	14.0	44.7	11
8.70- 8.80	3.0	10.5	9	10.00-10.10	14.0	44.7	11
8.80- 8.90	3.0	10.0	10	10.10-10.20	21.0	67.0	11
8.90- 9.00	4.0	13.3	10	10.20-10.30	18.0	57.4	11
9.00- 9.10	6.0	20.0	10	10.30-10.40	17.0	54.3	11
9.10- 9.20	4.0	13.3	10	10.40-10.50	15.0	47.9	11
9.20- 9.30	7.0	23.3	10	10.50-10.60	16.0	51.1	11

PROVA PENETROMETR. DINAMICA n. 3
TABELLE VALORI RESISTENZA R&Z 1993

PENETROMETRO DINAMICO tipo MEDIO - (DPM) uso rivestimento/fanghi iniezione : NO
M = 30.0 kg - H = 0.20 m - A = 10.00 cm - D = 35.7 mm N = N(10) [= 10 cm]
Cantiere : Via Vivaldi - Via Camerini quota inizio : p.c.
Localit. : Castelfranco di Sotto prof. falda = 3.00 m da quota inizio
note : - data : 13 Marzo 1997

prof.(m)	N (colpi)	Rpd(kg/cm)	asta	prof.(m)	N (colpi)	Rpd(kg/cm)	asta
0.00- 0.10	1.0	5.6	1	4.00- 4.10	4.0	17.1	5
0.10- 0.20	3.0	16.7	1	4.10- 4.20	7.0	30.0	5
0.20- 0.30	3.0	16.7	1	4.20- 4.30	4.0	17.1	5
0.30- 0.40	4.0	22.2	1	4.30- 4.40	3.0	12.9	5
0.40- 0.50	3.0	16.7	1	4.40- 4.50	3.0	12.9	5
0.50- 0.60	4.0	22.2	1	4.50- 4.60	5.0	21.4	5
0.60- 0.70	5.0	27.8	1	4.60- 4.70	3.0	12.9	5
0.70- 0.80	5.0	27.8	1	4.70- 4.80	2.0	8.6	5
0.80- 0.90	4.0	20.7	2	4.80- 4.90	2.0	8.1	6
0.90- 1.00	4.0	20.7	2	4.90- 5.00	5.0	20.3	6
1.00- 1.10	5.0	25.9	2	5.00- 5.10	6.0	24.3	6
1.10- 1.20	4.0	20.7	2	5.10- 5.20	4.0	16.2	6
1.20- 1.30	5.0	25.9	2	5.20- 5.30	6.0	24.3	6
1.30- 1.40	3.0	15.5	2	5.30- 5.40	6.0	24.3	6
1.40- 1.50	3.0	15.5	2	5.40- 5.50	6.0	24.3	6
1.50- 1.60	3.0	15.5	2	5.50- 5.60	5.0	20.3	6
1.60- 1.70	2.0	10.3	2	5.60- 5.70	5.0	20.3	6
1.70- 1.80	4.0	20.7	2	5.70- 5.80	5.0	20.3	6
1.80- 1.90	4.0	19.4	3	5.80- 5.90	5.0	19.2	7
1.90- 2.00	5.0	24.2	3	5.90- 6.00	6.0	23.1	7
2.00- 2.10	7.0	33.9	3	6.00- 6.10	6.0	23.1	7
2.10- 2.20	4.0	19.4	3	6.10- 6.20	6.0	23.1	7
2.20- 2.30	2.0	9.7	3	6.20- 6.30	5.0	19.2	7
2.30- 2.40	3.0	14.5	3	6.30- 6.40	4.0	15.4	7
2.40- 2.50	3.0	14.5	3	6.40- 6.50	4.0	15.4	7
2.50- 2.60	3.0	14.5	3	6.50- 6.60	4.0	15.4	7
2.60- 2.70	3.0	14.5	3	6.60- 6.70	4.0	15.4	7
2.70- 2.80	4.0	19.4	3	6.70- 6.80	5.0	19.2	7
2.80- 2.90	4.0	18.2	4	6.80- 6.90	4.0	14.6	8
2.90- 3.00	5.0	22.7	4	6.90- 7.00	3.0	11.0	8
3.00- 3.10	6.0	27.3	4	7.00- 7.10	4.0	14.6	8
3.10- 3.20	5.0	22.7	4	7.10- 7.20	6.0	22.0	8
3.20- 3.30	5.0	22.7	4	7.20- 7.30	12.0	43.9	8
3.30- 3.40	4.0	18.2	4	7.30- 7.40	12.0	43.9	8
3.40- 3.50	3.0	13.6	4	7.40- 7.50	11.0	40.2	8
3.50- 3.60	3.0	13.6	4	7.50- 7.60	14.0	51.2	8
3.60- 3.70	3.0	13.6	4	7.60- 7.70	13.0	47.6	8
3.70- 3.80	3.0	13.6	4	7.70- 7.80	14.0	51.2	8
3.80- 3.90	2.0	8.6	5	7.80- 7.90	14.0	48.8	9
3.90- 4.00	3.0	12.9	5	7.90- 8.00	15.0	52.3	9

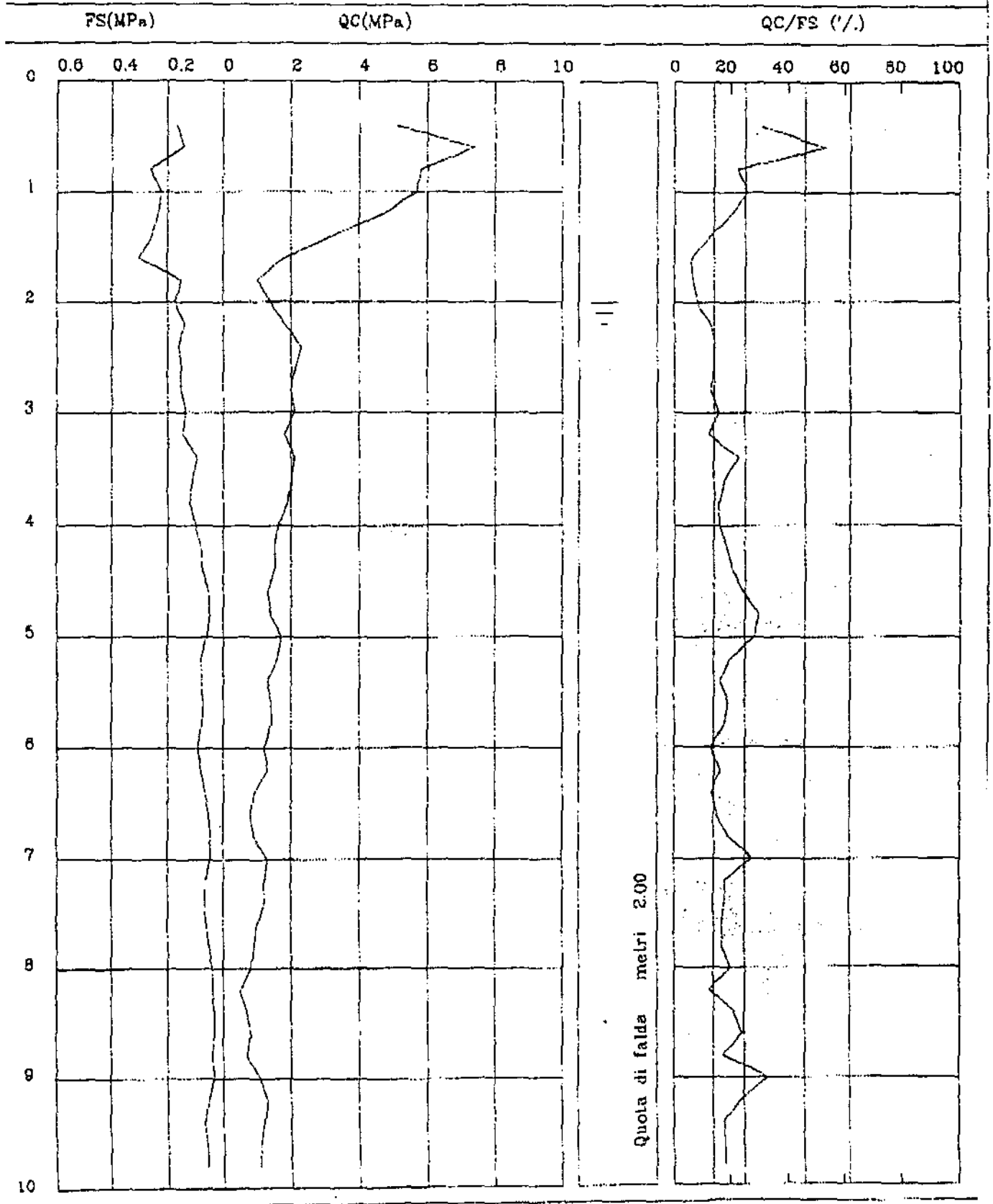
s g u e

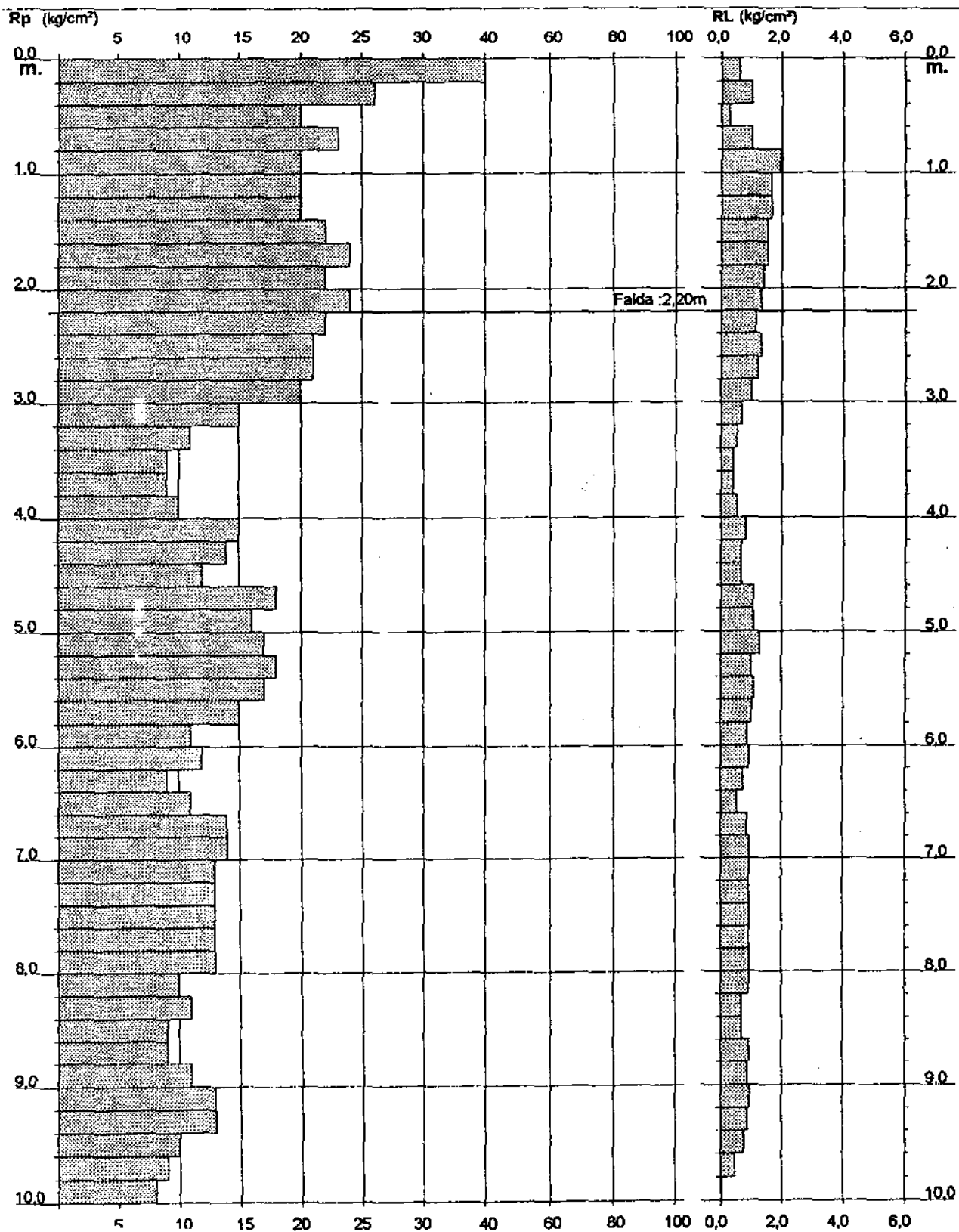
prof. (m)	N (colpi)	Rpd(kg/cm)	asta	prof. (m)	N (colpi)	Rpd(kg/cm)	asta
8.00- 8.10	12.0	41.9	9	9.30- 9.40	6.0	20.0	10
8.10- 8.20	5.0	17.4	9	9.40- 9.50	6.0	20.0	10
8.20- 8.30	10.0	34.9	9	9.50- 9.60	7.0	23.3	10
8.30- 8.40	5.0	17.4	9	9.60- 9.70	7.0	23.3	10
8.40- 8.50	4.0	14.0	9	9.70- 9.80	5.0	16.7	10
8.50- 8.60	4.0	14.0	9	9.80- 9.90	4.0	12.8	11
8.60- 8.70	6.0	20.9	9	9.90-10.00	5.0	16.0	11
8.70- 8.80	8.0	27.9	9	10.00-10.10	6.0	19.1	11
8.80- 8.90	7.0	23.3	10	10.10-10.20	6.0	19.1	11
8.90- 9.00	7.0	23.3	10	10.20-10.30	10.0	31.9	11
9.00- 9.10	10.0	33.3	10	10.30-10.40	13.0	41.5	11
9.10- 9.20	8.0	26.7	10	10.40-10.50	12.0	38.3	11
9.20- 9.30	6.0	20.0	10	10.50-10.60	14.0	44.7	11

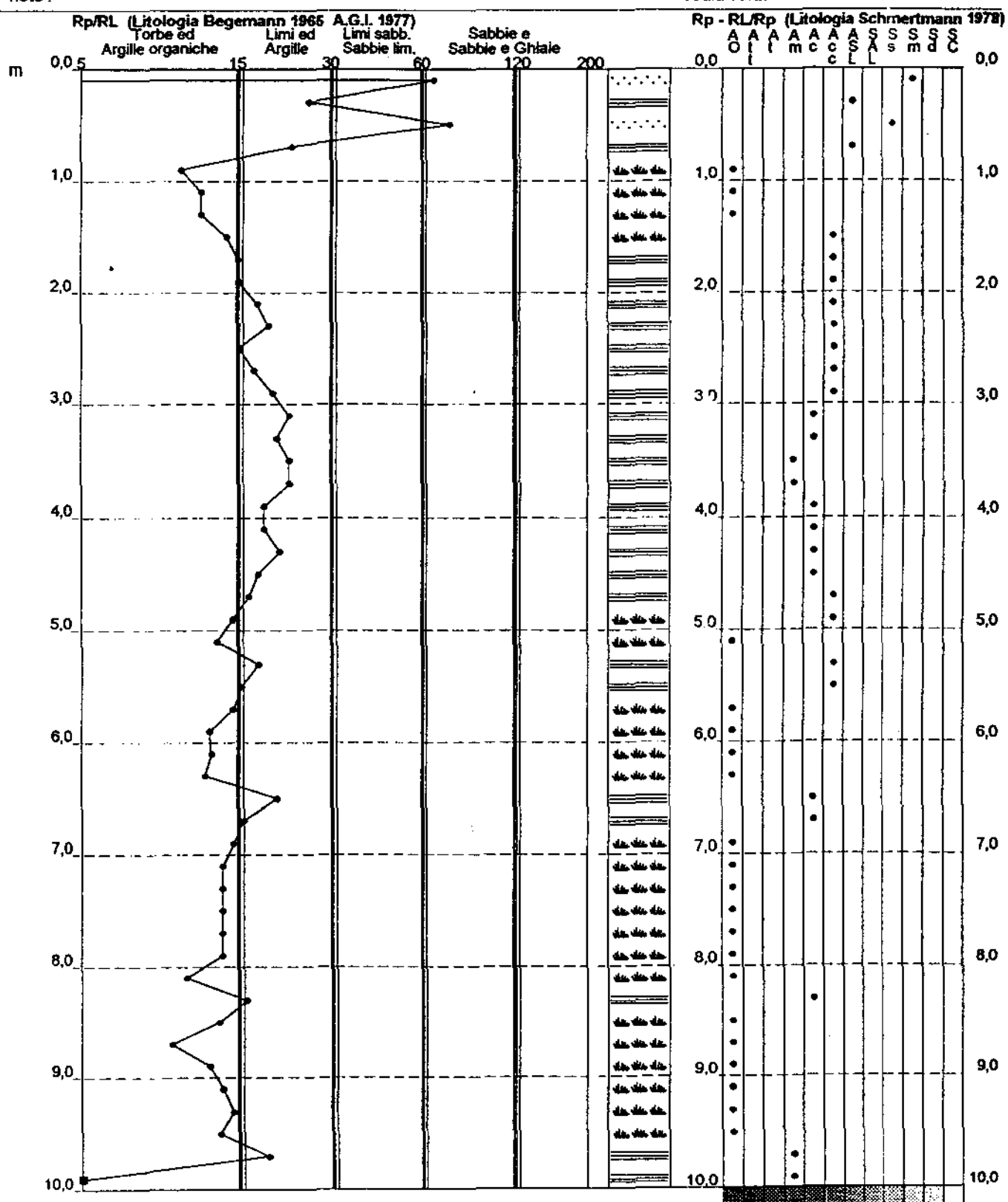
parametri geotecnici scintati

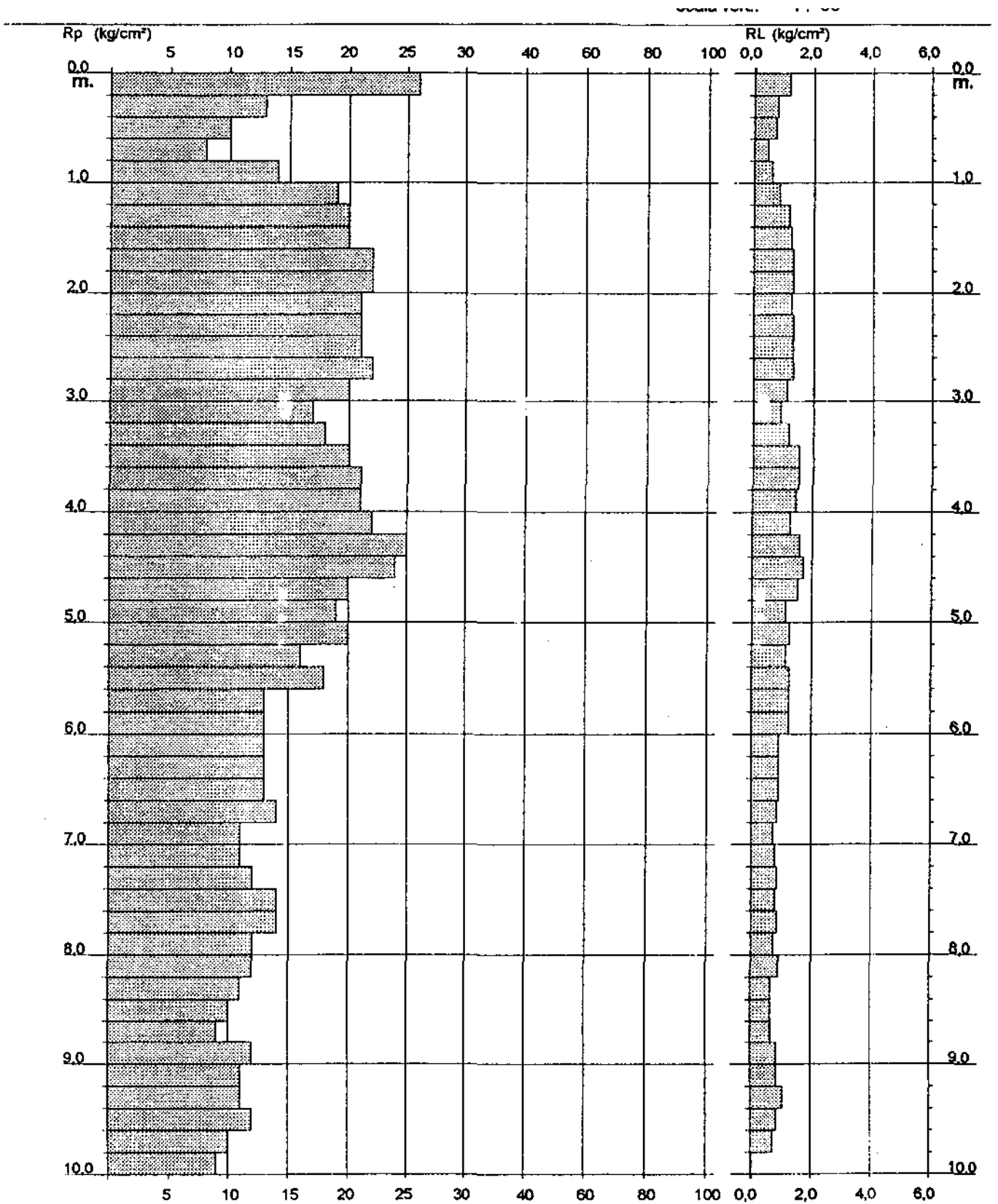
PROFONDITA' [etri]	Qc [Kg/cm ²]	Ps [Kg/cm ²]	Qc/Ps	Qt [Kgf]	Gamma [Kg/dm ³]	Sigma TPO [Kg/cm ²]	Pi (gradi)	Dp [%]	Cu [Kg/cm ²]	ey [cm/t]	Colonna Stratig.
0.2					1,80	,04	-	-	-	-	
0.4					1,80	,07	-	-	-	-	
0.6	51,1	1,7	31	1100	1,86	,11	31	-	-	6,5	SL
0.8	74,3	1,4	53	1330	1,97	,15	44	100	-	4,3	SG
1.0	58,3	2,6	22	1490	2,01	,19	-	-	2,32	6,9	AL
1.2	57,3	2,2	26	1290	2,01	,23	-	-	2,26	7,0	AL
1.4	47,3	2,3	20	1140	1,98	,27	-	-	1,85	8,5	A
1.6	32,3	2,5	13	1100	1,95	,31	-	-	1,26	12,4	A
1.8	18,4	3	6	830	1,61	,34	-	-	,72	20,1	T
2.0	10,4	1,5	7	580	1,53	,37	-	-	,40	35,6	T
2.2	14,4	1,7	8	540	1,57	,38	-	-	,56	25,7	T
2.4	18,4	1,4	13	570	1,61	,39	-	-	,72	23,1	T
2.6	23,4	1,6	15	610	1,63	,41	-	-	,92	17,1	A
2.8	21,5	1,5	14	690	1,63	,43	-	-	,84	18,6	A
3.0	20,5	1,5	13	820	1,62	,45	-	-	,80	19,5	A
3.2	21,5	1,3	16	910	1,63	,47	-	-	,84	18,6	A
3.4	18,5	1,5	13	970	1,62	,48	-	-	,72	20,0	T
3.6	21,5	,9	23	1090	1,65	,50	-	-	,84	18,6	A
3.8	19,6	1,1	17	1230	1,62	,52	-	-	,76	19,8	A
4.0	18,6	1,2	16	1370	1,62	,54	-	-	,72	19,6	A
4.2	15,6	1	16	1400	1,61	,55	-	-	,60	19,5	A
4.4	14,6	,8	18	1560	1,61	,57	-	-	,56	19,3	A
4.6	14,6	,7	20	1630	1,61	,59	-	-	,56	19,8	A
4.8	12,7	,5	24	1690	1,61	,61	-	-	,48	20,7	A
5.0	13,7	,5	29	1810	1,61	,63	-	-	,52	20,2	AL
5.2	16,7	,6	38	1880	1,61	,65	-	-	,64	19,4	AL
5.4	15,7	,8	20	1940	1,61	,66	-	-	,60	19,5	A
5.6	12,7	,8	16	2040	1,61	,68	-	-	,46	20,7	A
5.8	13,9	,7	19	2180	1,61	,70	-	-	,53	20,1	A
6.0	13,9	,8	17	2310	1,61	,72	-	-	,53	20,1	A
6.2	11,9	,9	13	2380	1,55	,73	-	-	,45	31,1	T
6.4	12,9	,8	16	2440	1,61	,75	-	-	,49	20,6	A
6.6	8,9	,7	13	2480	1,52	,76	-	-	,33	39,5	T
6.8	8	,5	15	2520	1,51	,77	-	-	,29	42,2	T
7.0	9	,5	19	2620	1,65	,78	-	-	,33	24,9	A
7.2	13	,5	28	2680	1,61	,80	-	-	,49	20,5	AL
7.4	12	,7	18	2710	1,60	,82	-	-	,45	21,2	A
7.6	12	,7	18	2740	1,60	,84	-	-	,45	21,2	A
7.8	10,2	,6	17	2810	1,60	,86	-	-	,37	23,1	A
8.0	9,2	,5	17	2850	1,66	,87	-	-	,33	24,6	A
8.2	8,2	,4	21	2870	1,61	,89	-	-	,29	26,5	A
8.4	5,7	,4	13	2860	1,48	,90	-	-	,17	57,9	T
8.6	7,2	,3	22	2910	1,76	,92	-	-	,25	29,1	A
8.8	8,3	,3	25	2920	1,82	,93	-	-	,29	26,3	A
9.0	7,3	,4	18	2970	1,67	,95	-	-	,25	28,6	A
9.2	11,3	,3	34	3000	1,60	,96	-	-	,41	21,6	AL
9.4	13,3	,5	25	3030	1,61	,98	-	-	,49	20,4	A
9.6	12,3	,7	18	3060	1,61	1,00	-	-	,45	22,0	A

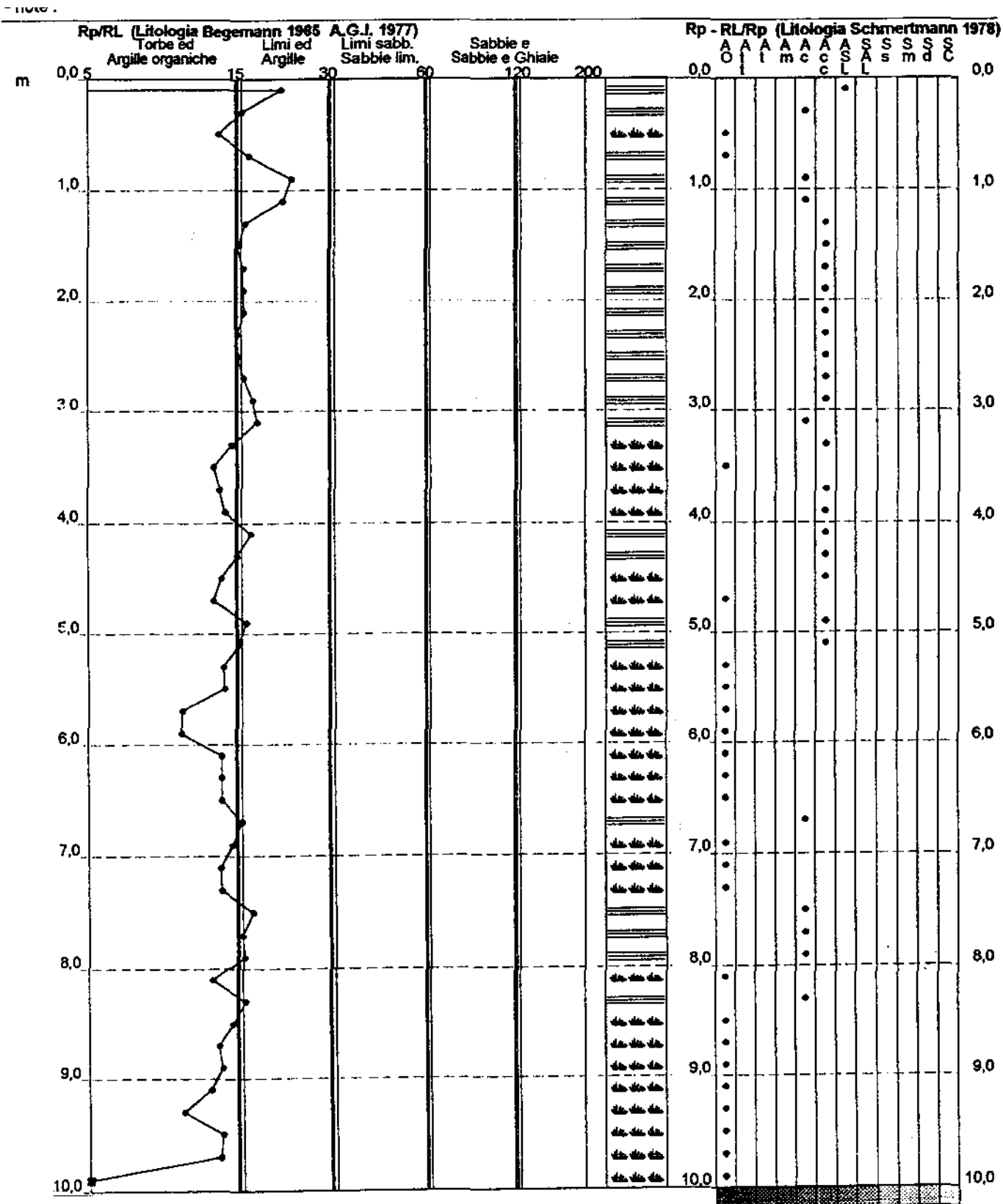
PROFILI DI TENSIONI



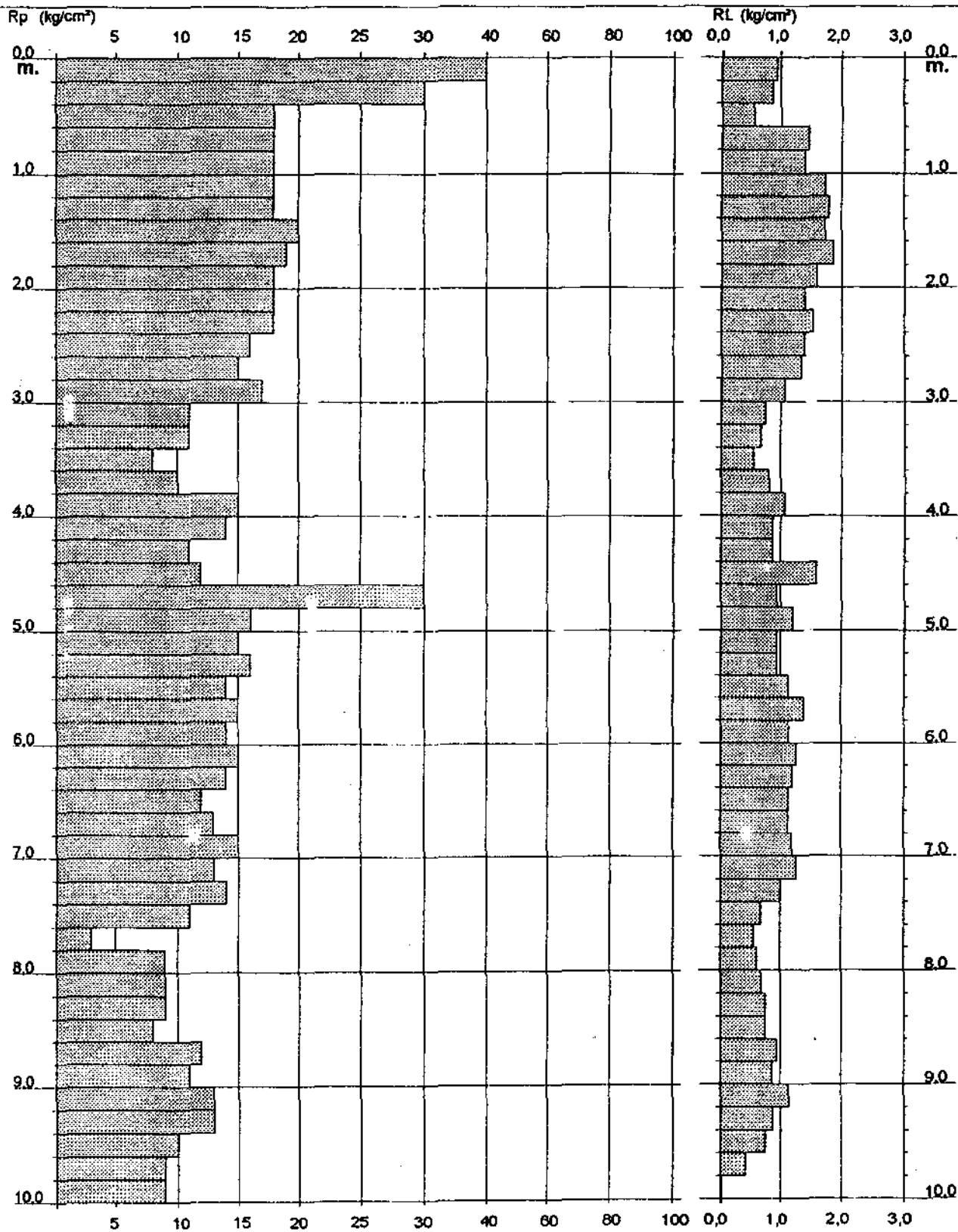


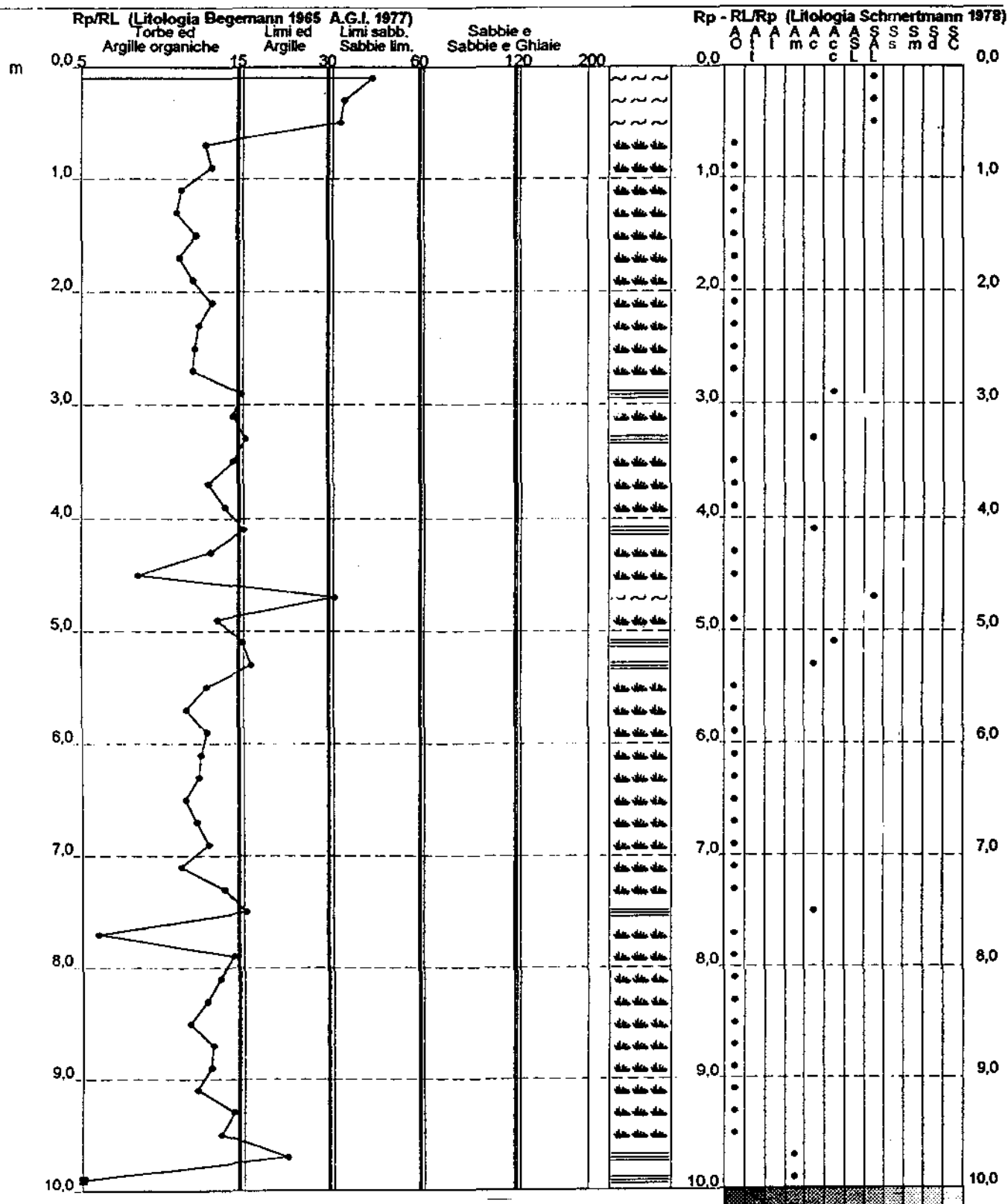




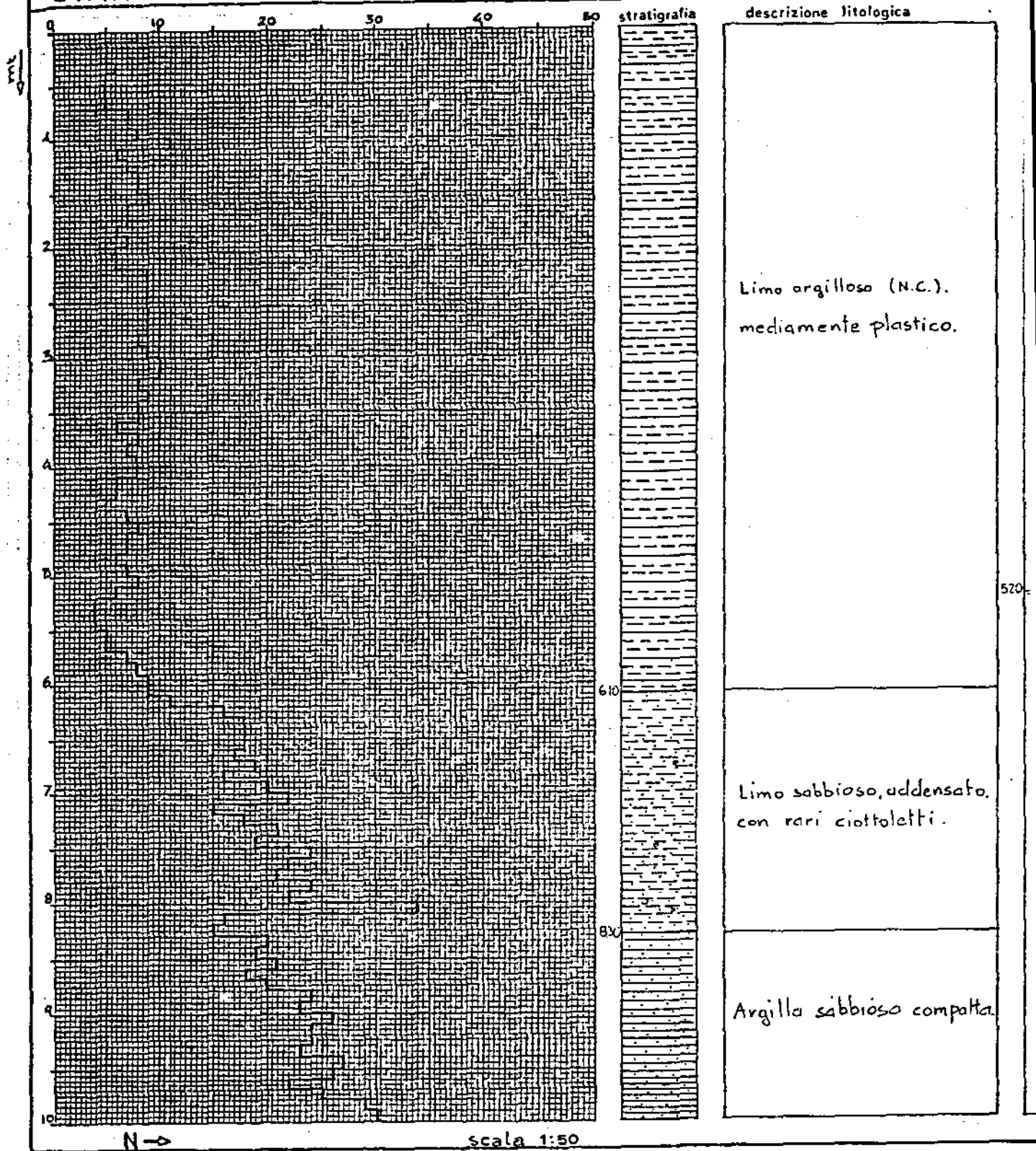


- SCALA VERT. 1 : 50

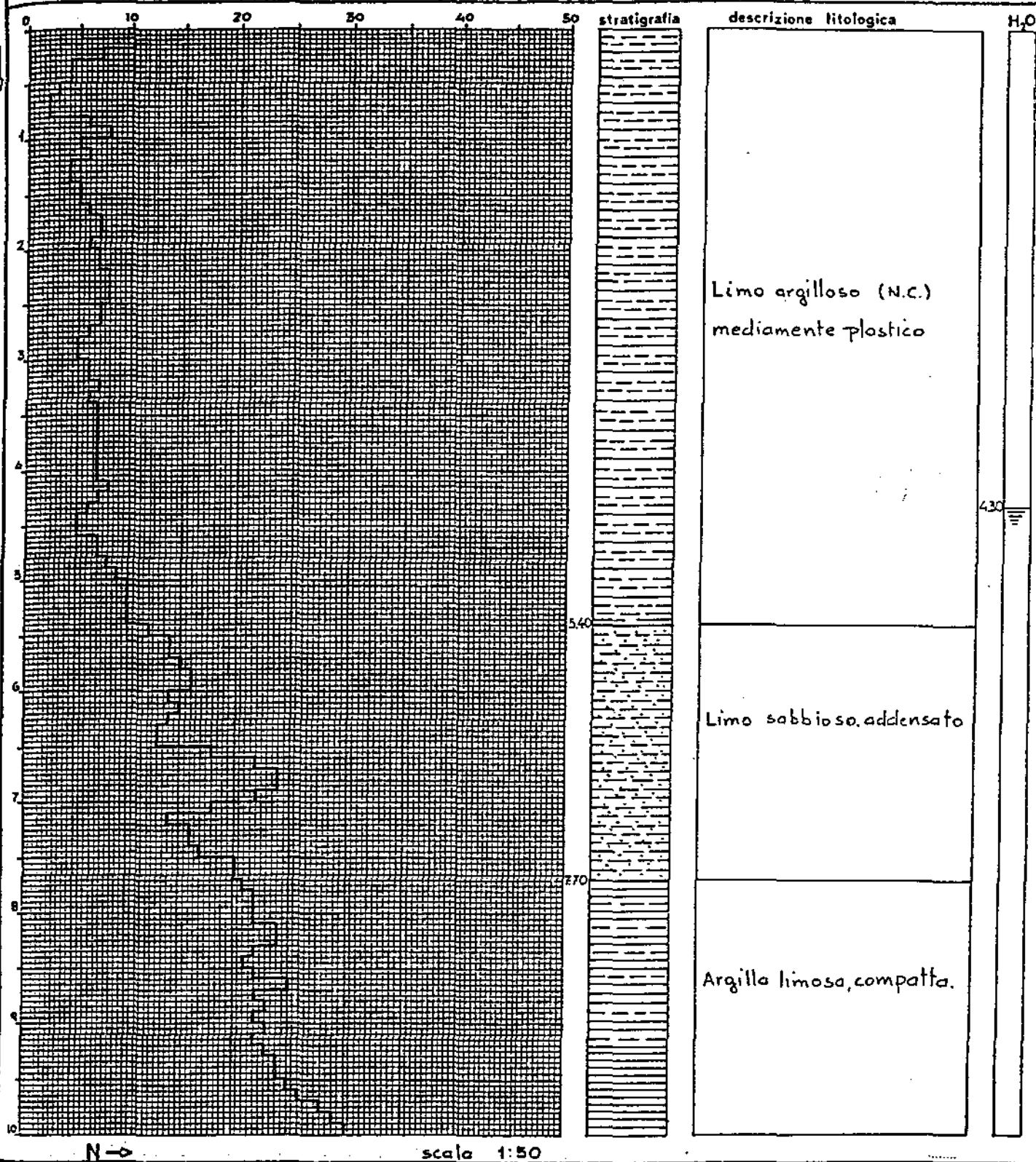




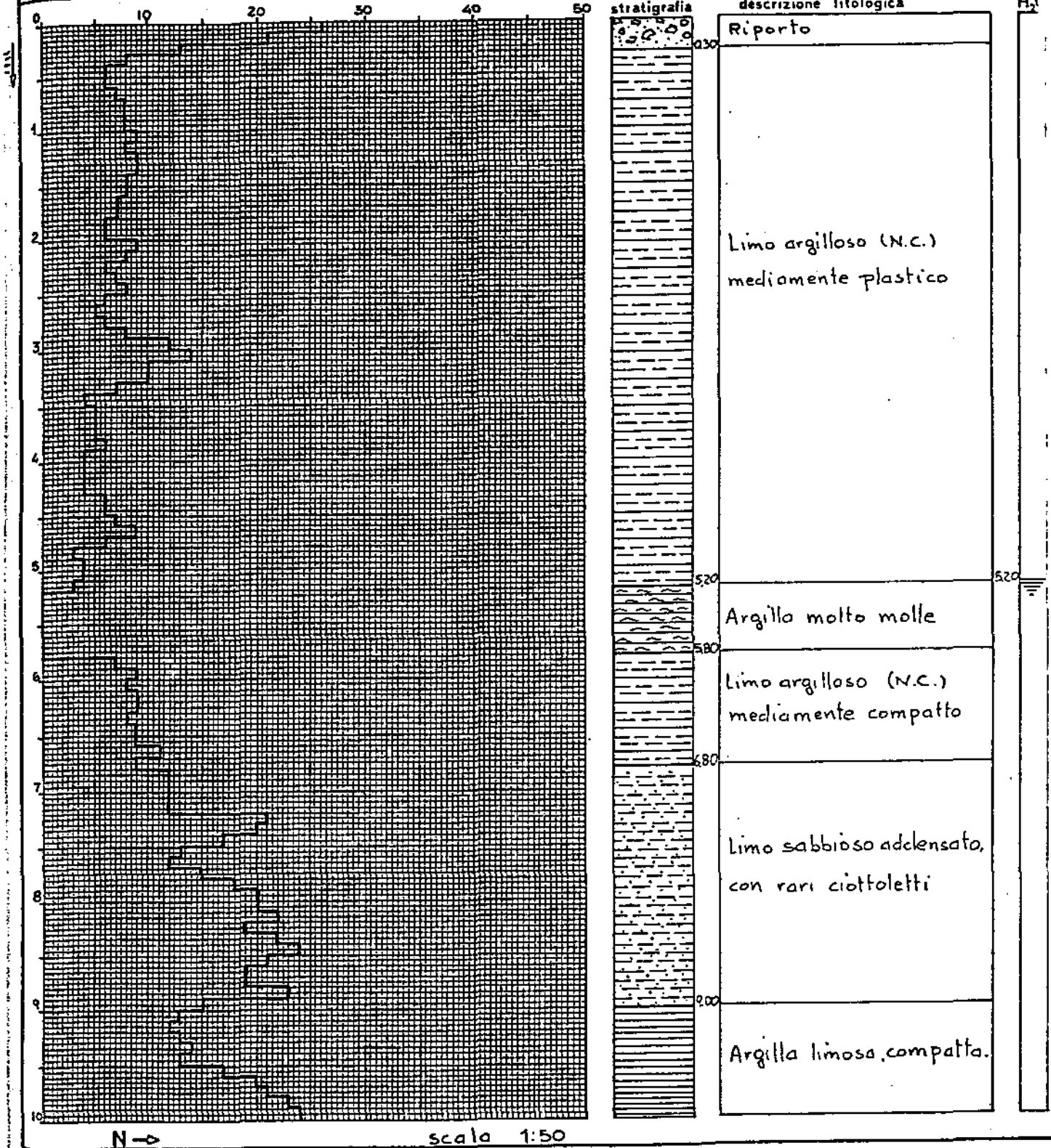
STANDARD CONE PENETRATION TEST



STANDARD CONE PENETRATION TEST



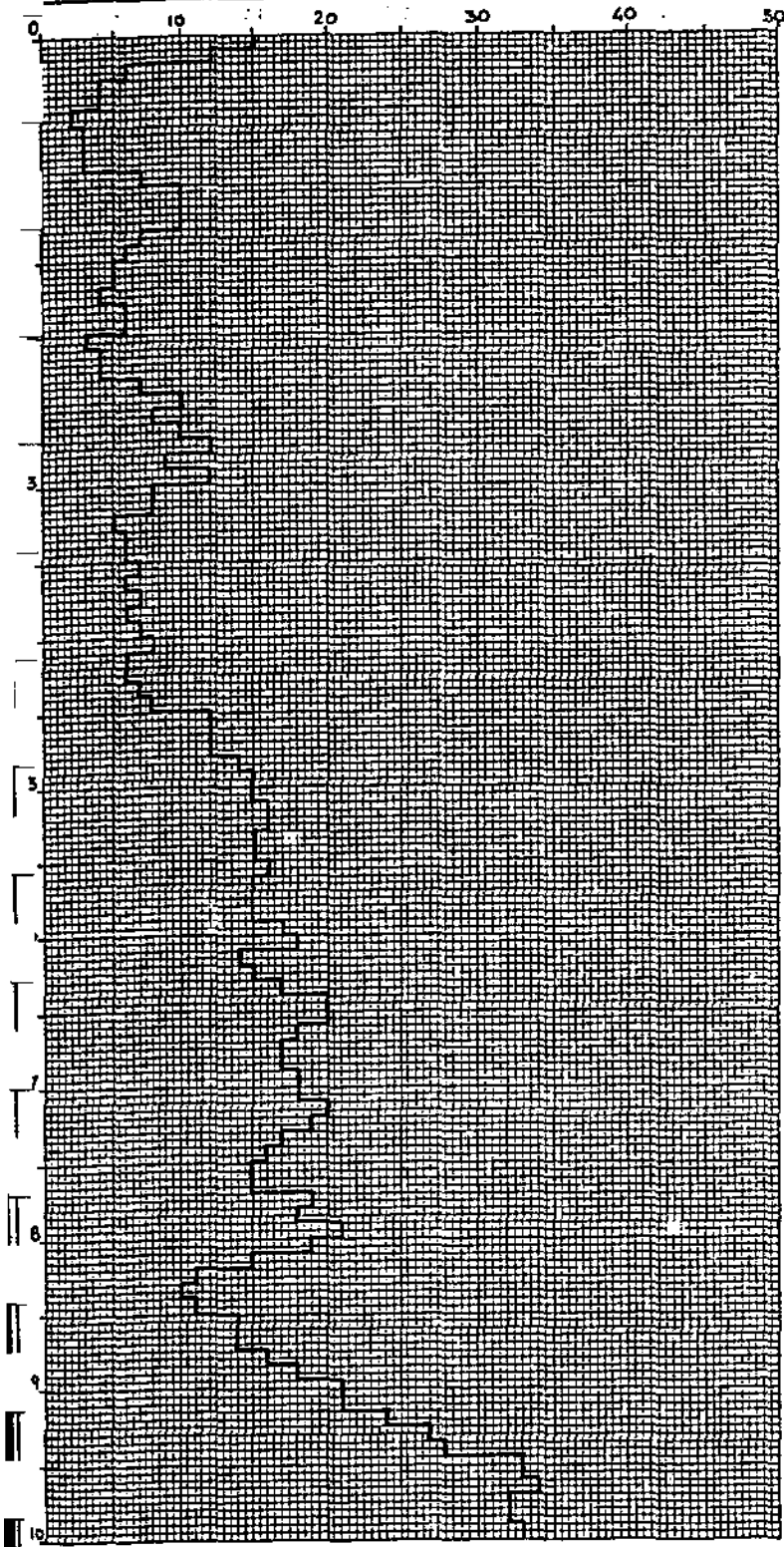
STANDARD CONE PENETRATION TEST



N →

scala 1:50

STANDARD CONE PENETRATION TEST



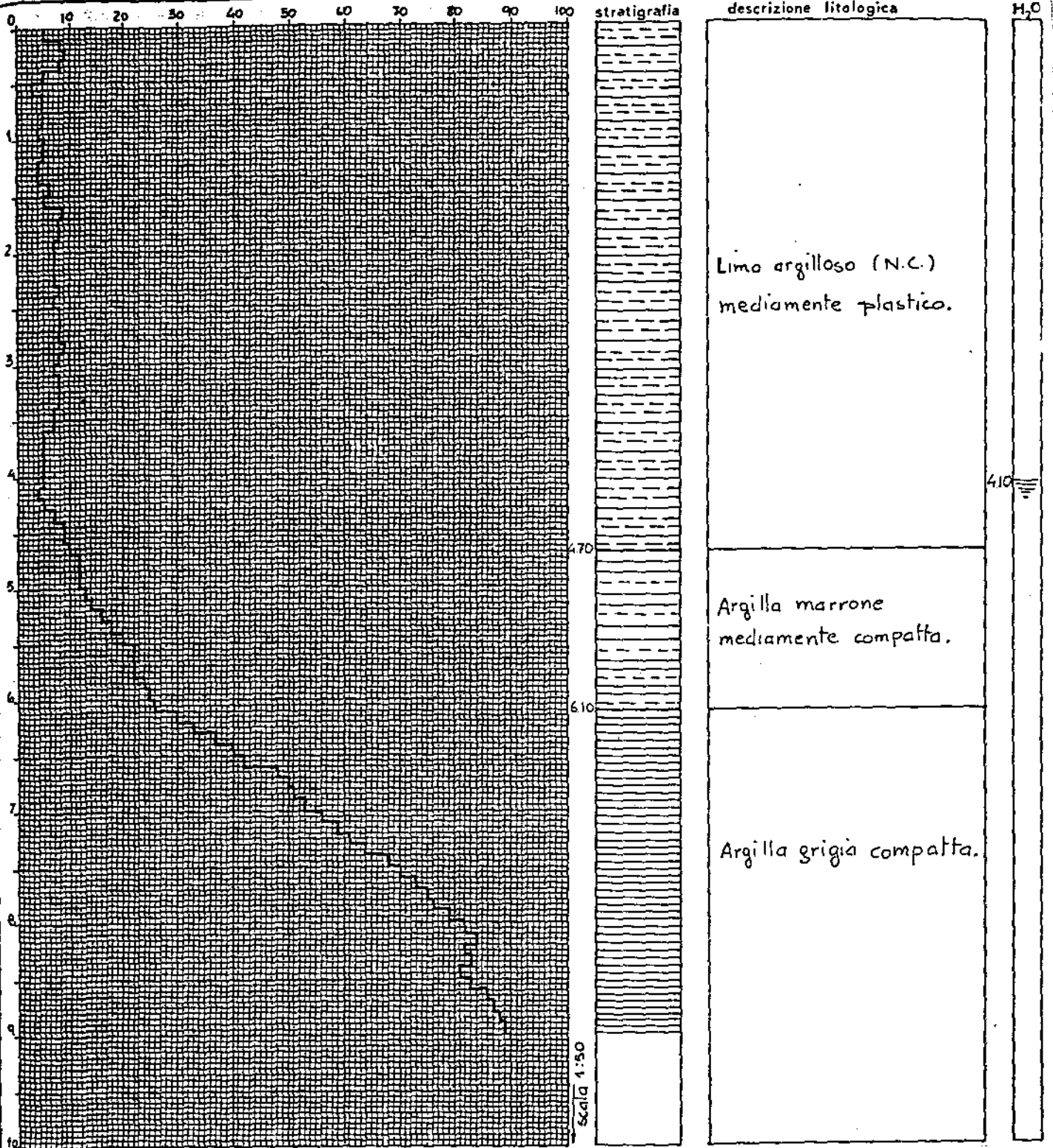
stratigrafia	descrizione litologica	H ₂ O
	<p>Riparto</p> <p>Limo argilloso (N.C.) mediamente plastico</p>	
	<p>limo sabbioso addensato con rari ciottolotti</p>	
	<p>Argilla limosa compatta</p>	

N →

scala 1:50

L.S.P. /

STANDARD CONE PENETRATION TEST



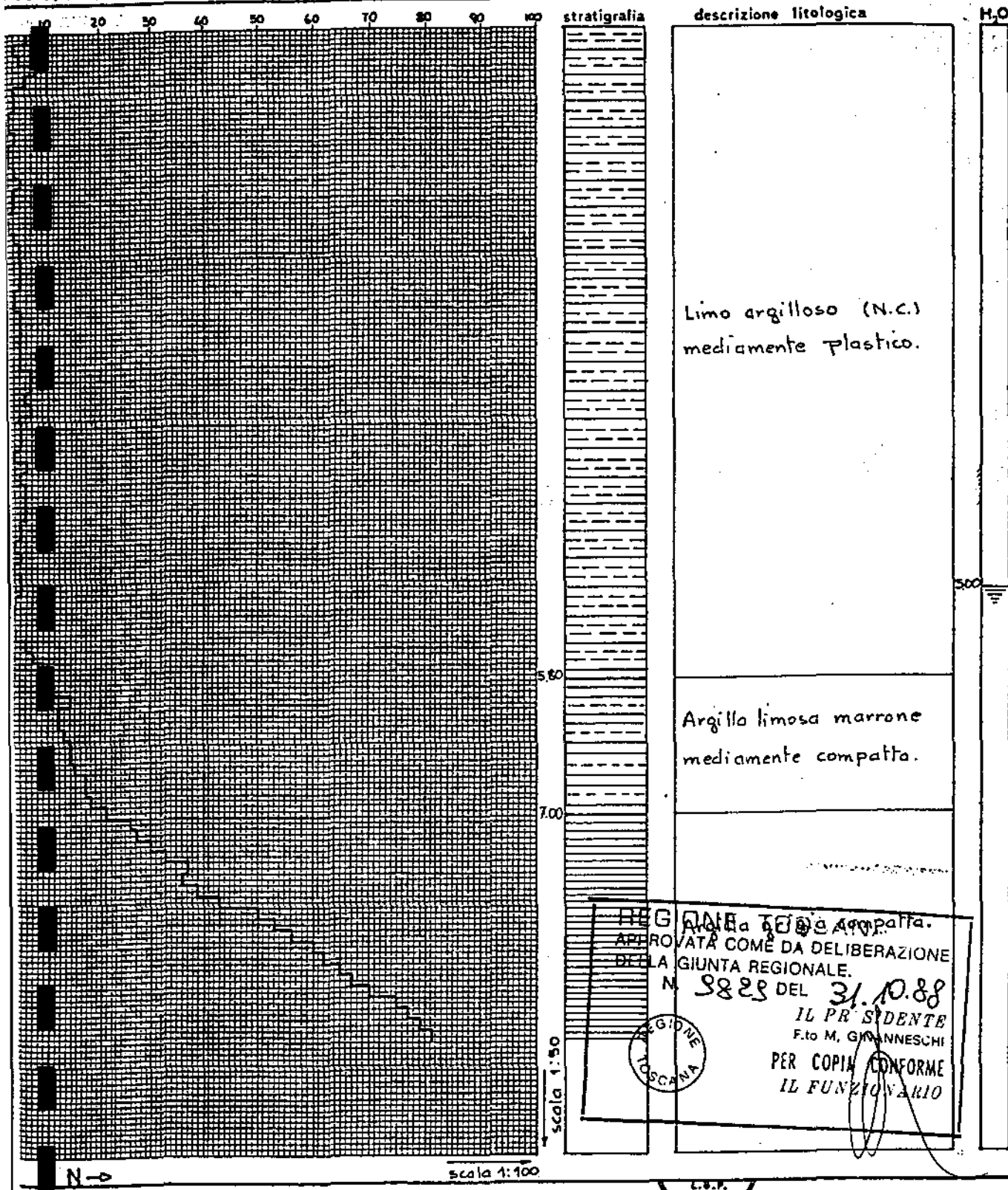
N-0

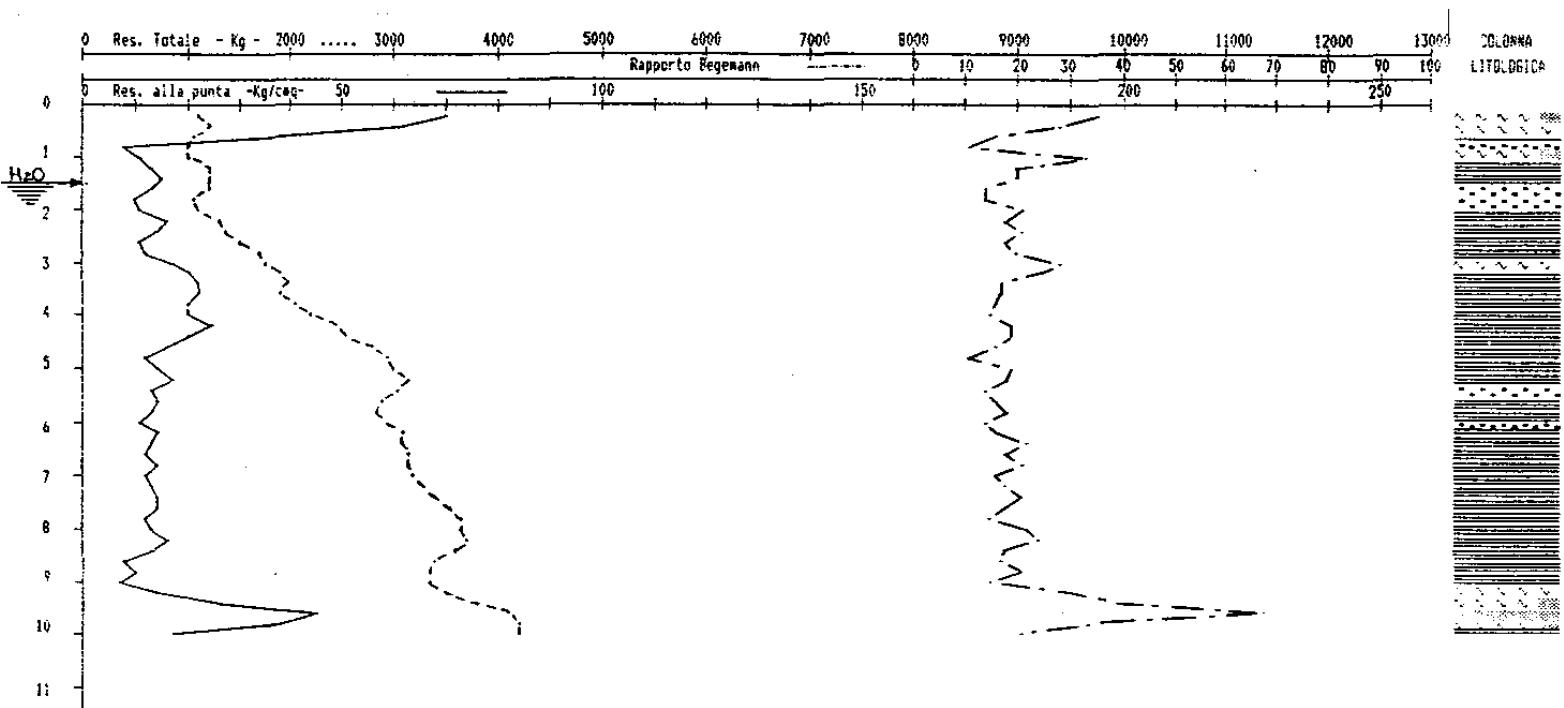
scala 1:100

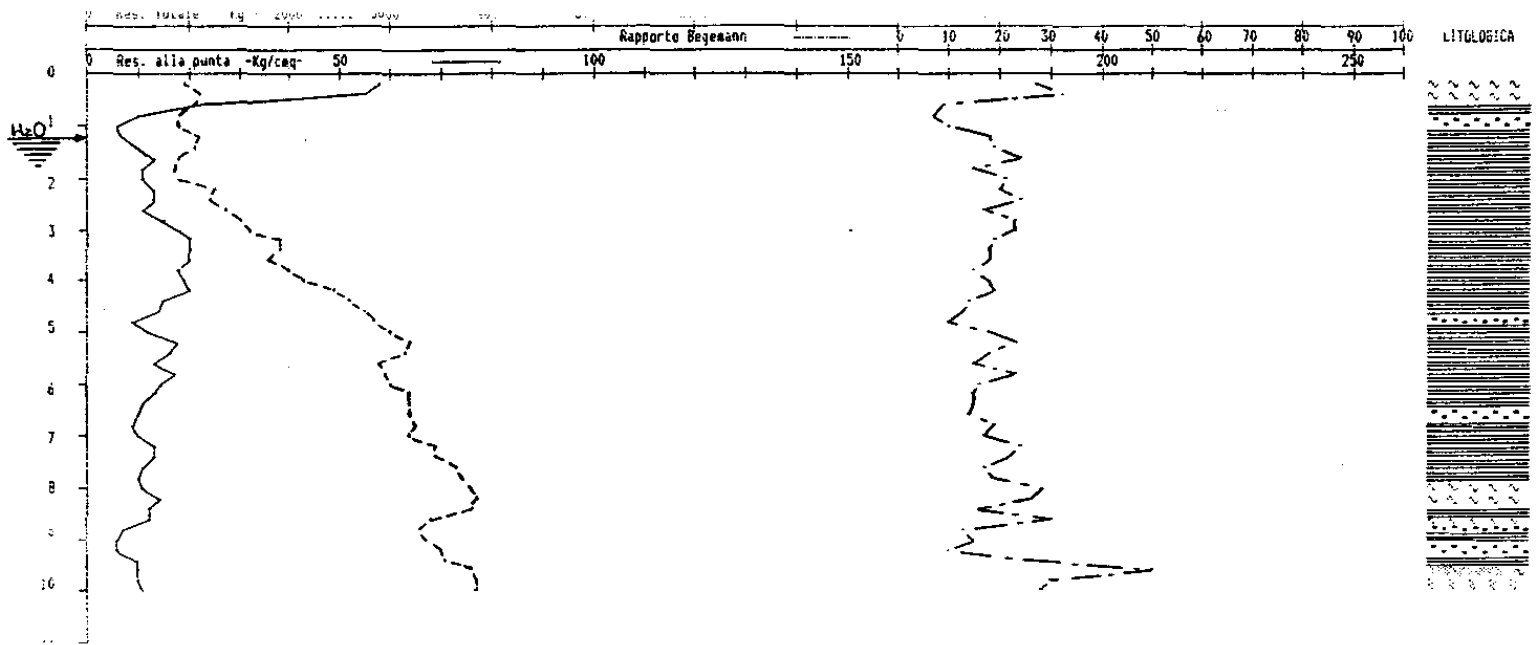
F

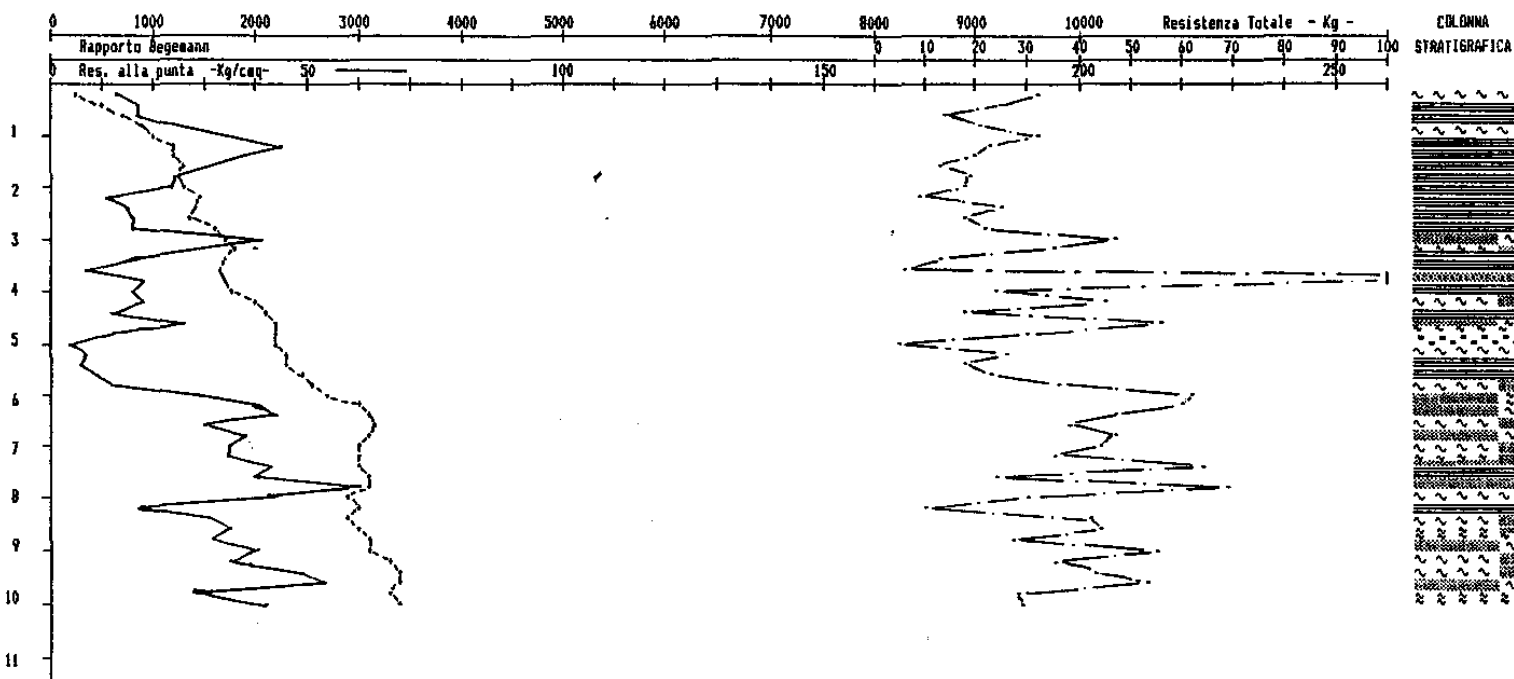
CG. 7

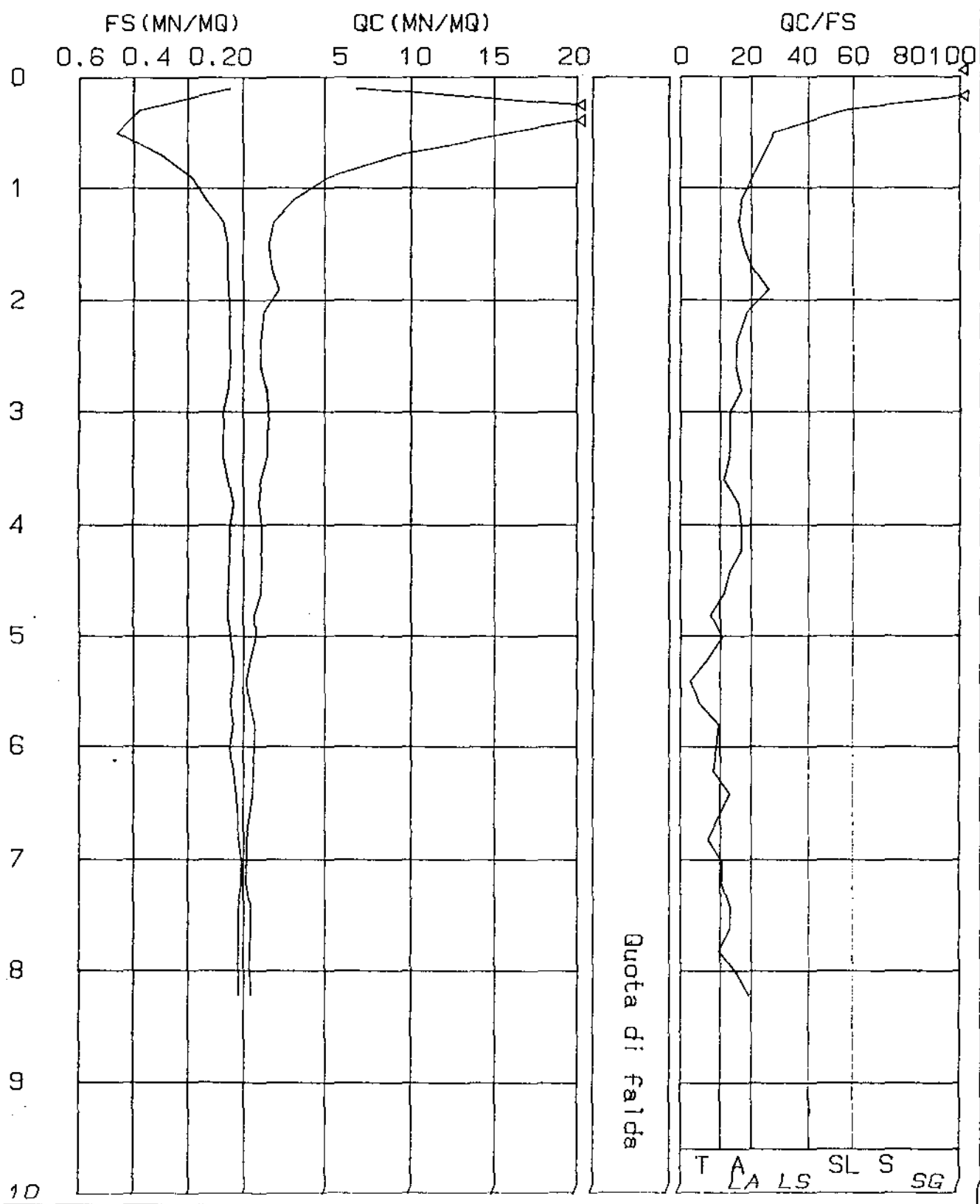
STANDARD CONE PENETRATION TEST

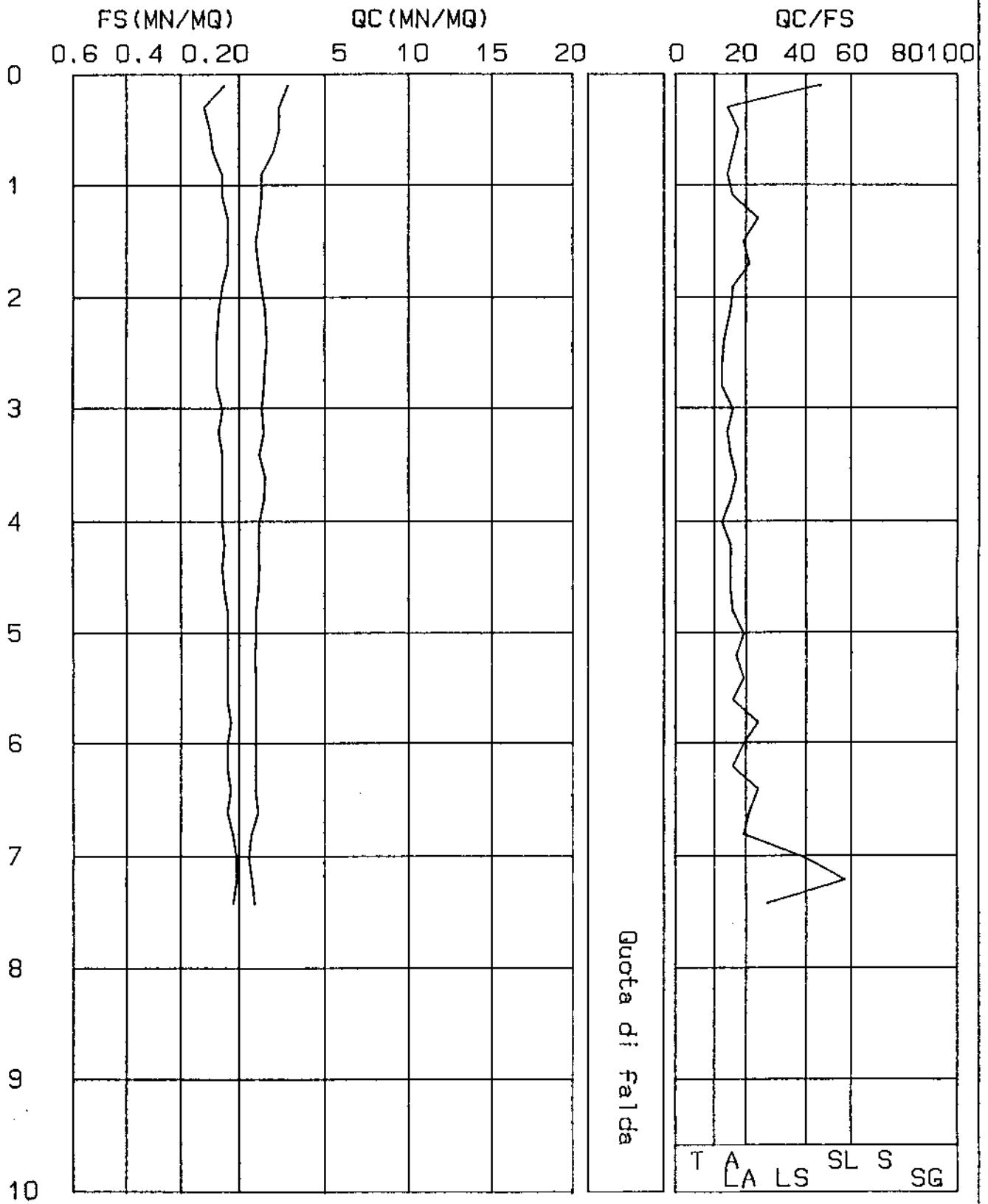


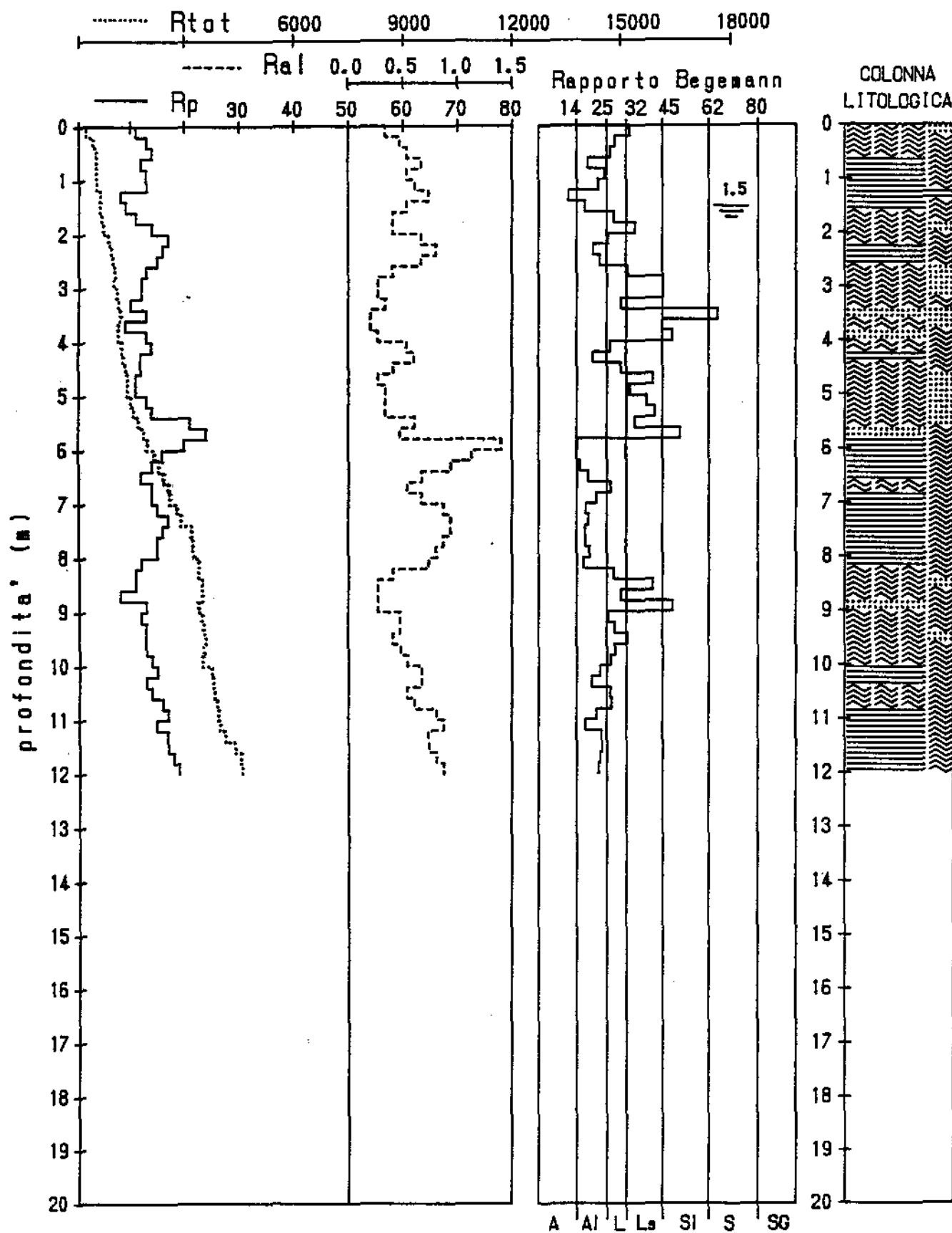


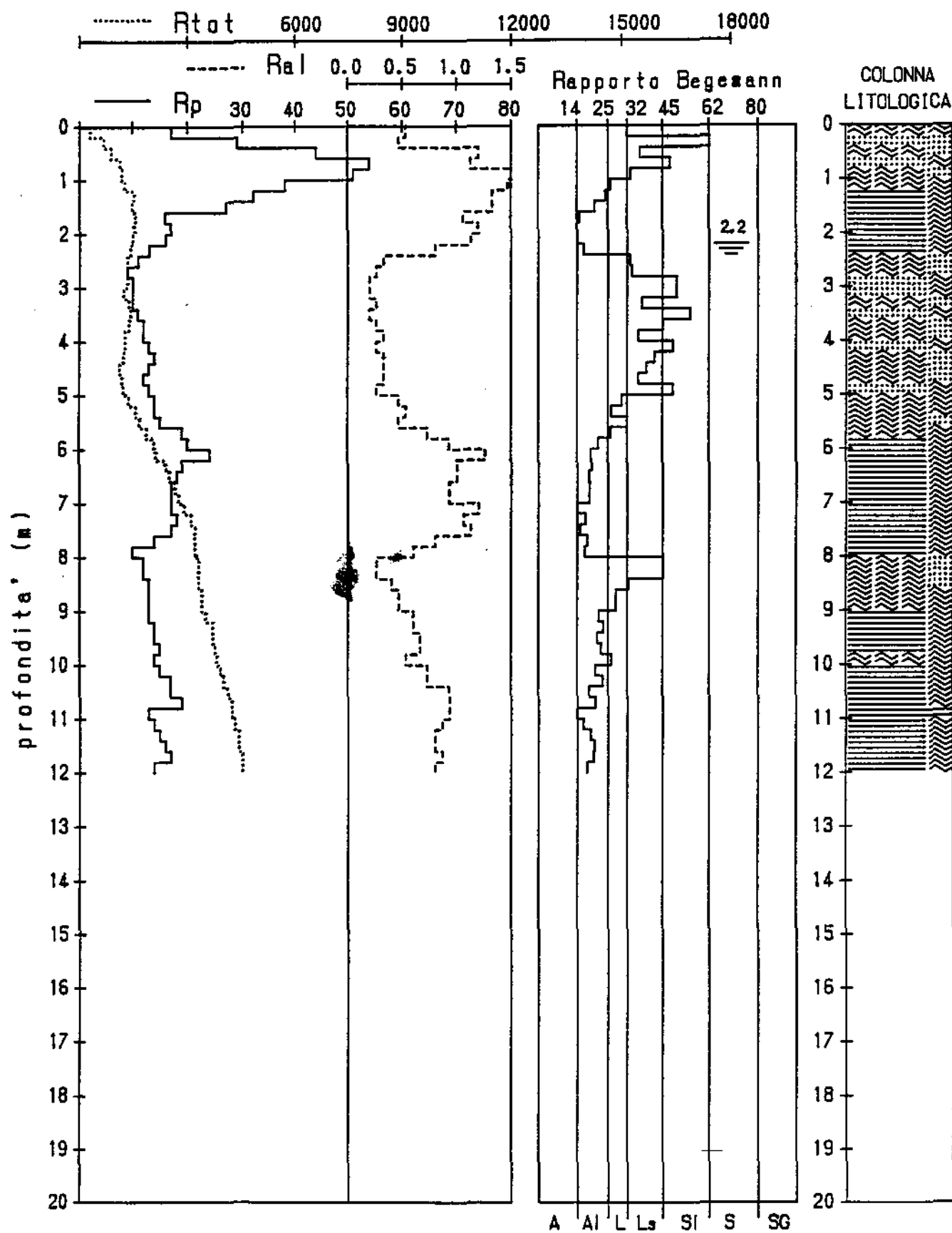


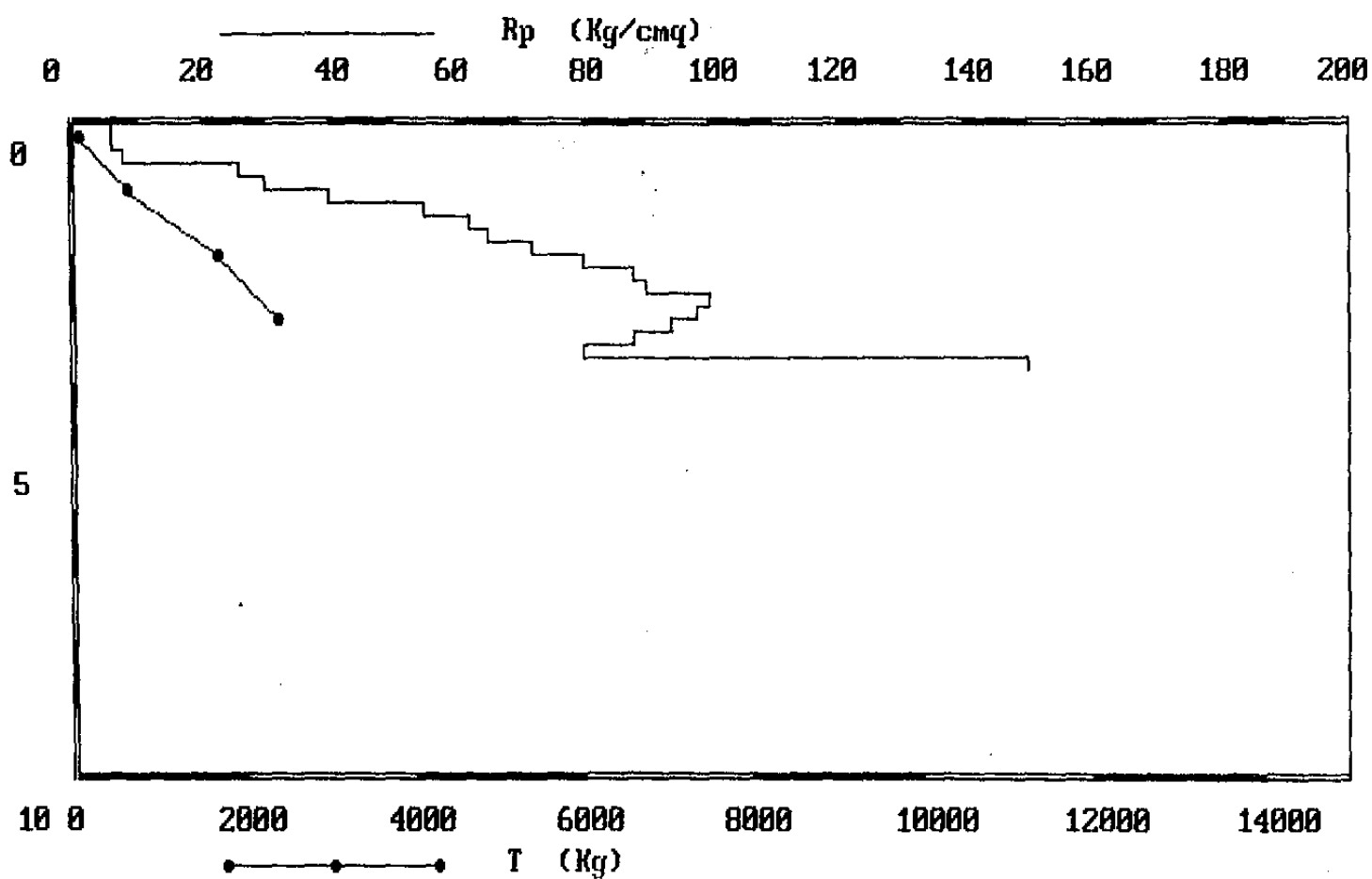


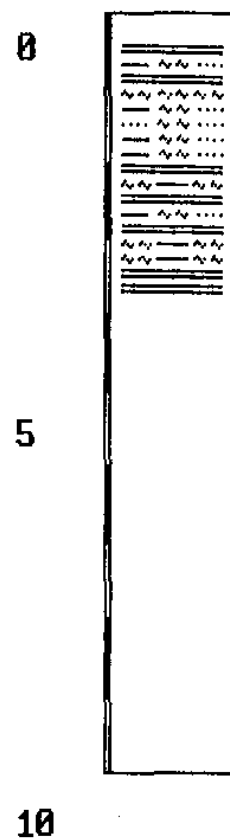
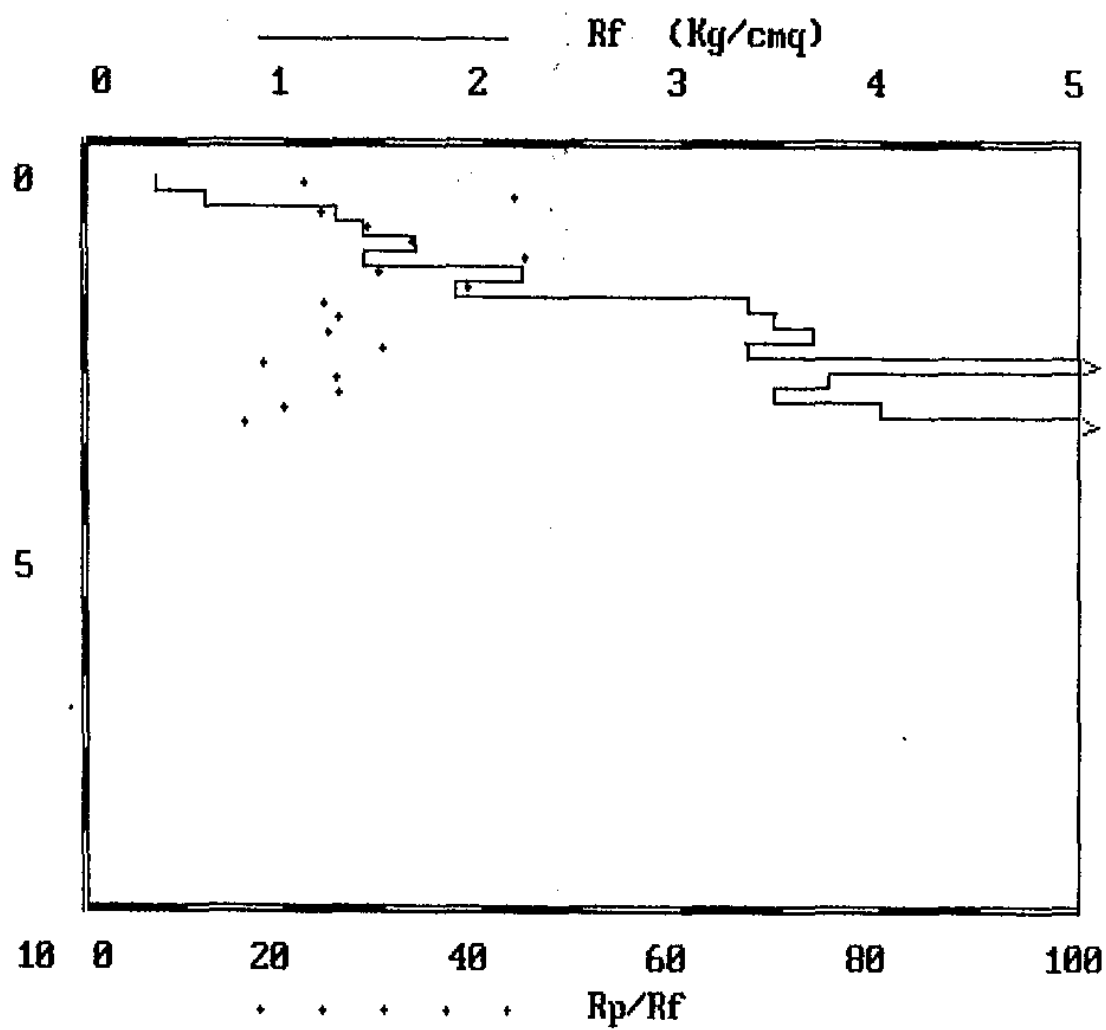


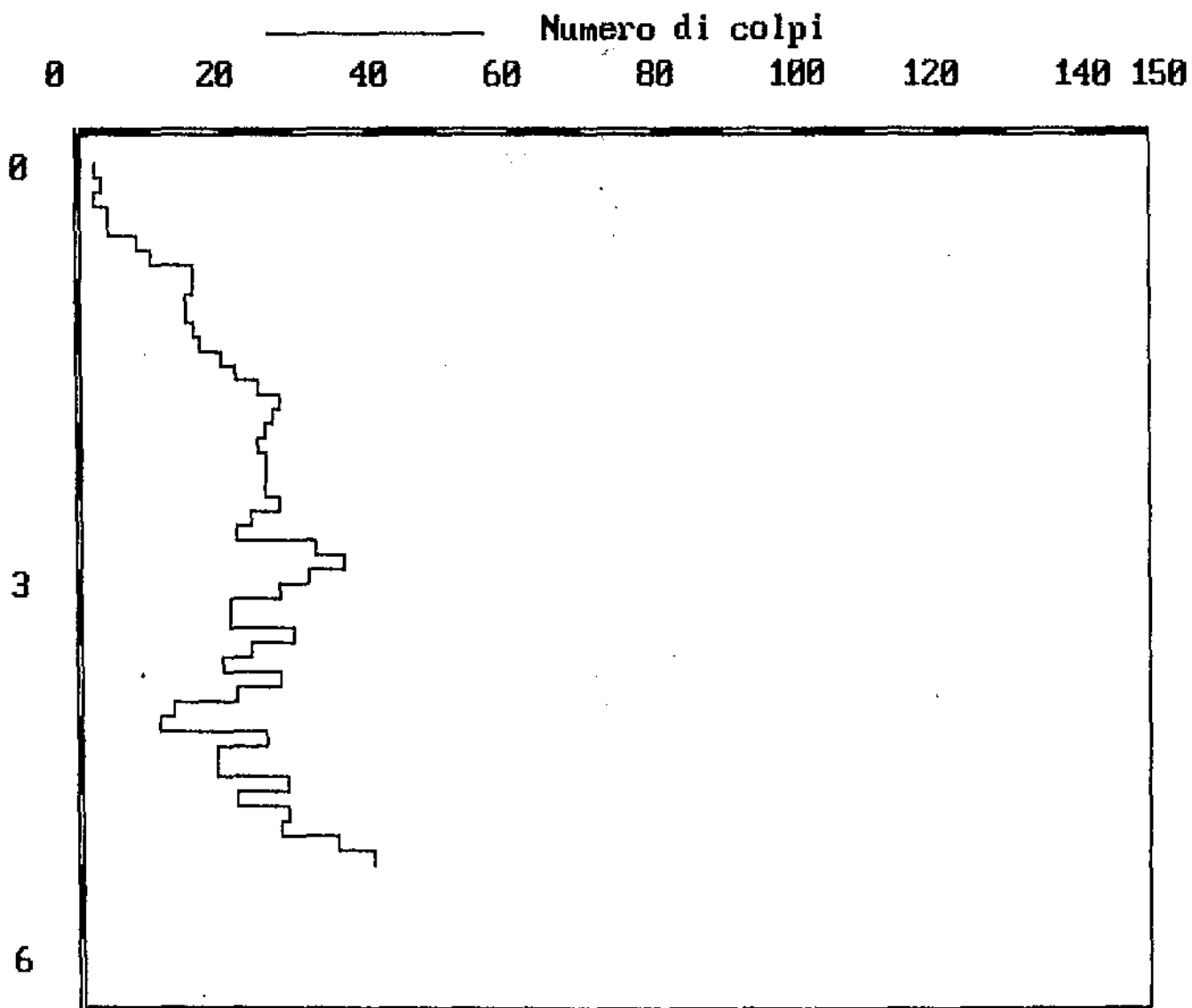


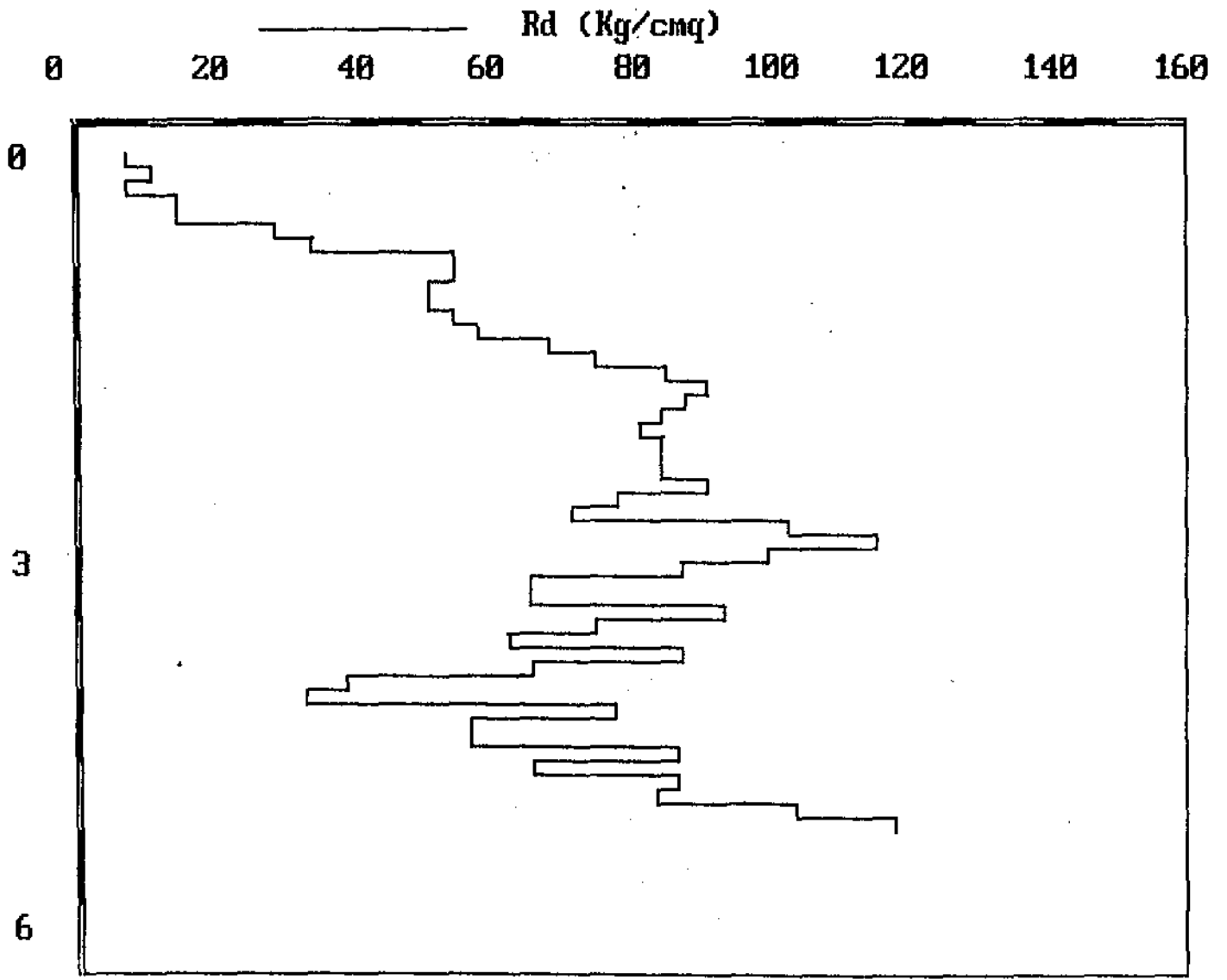


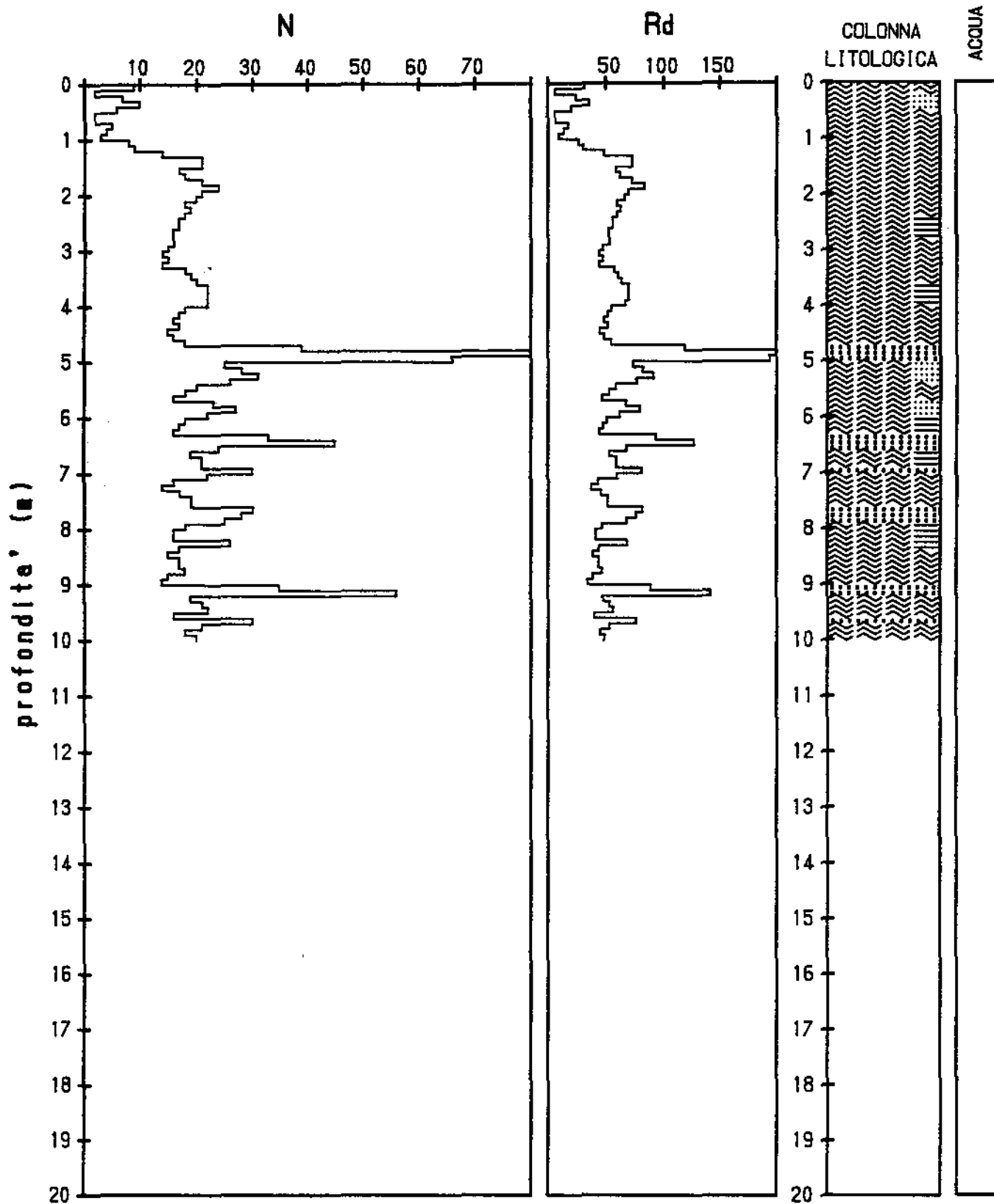


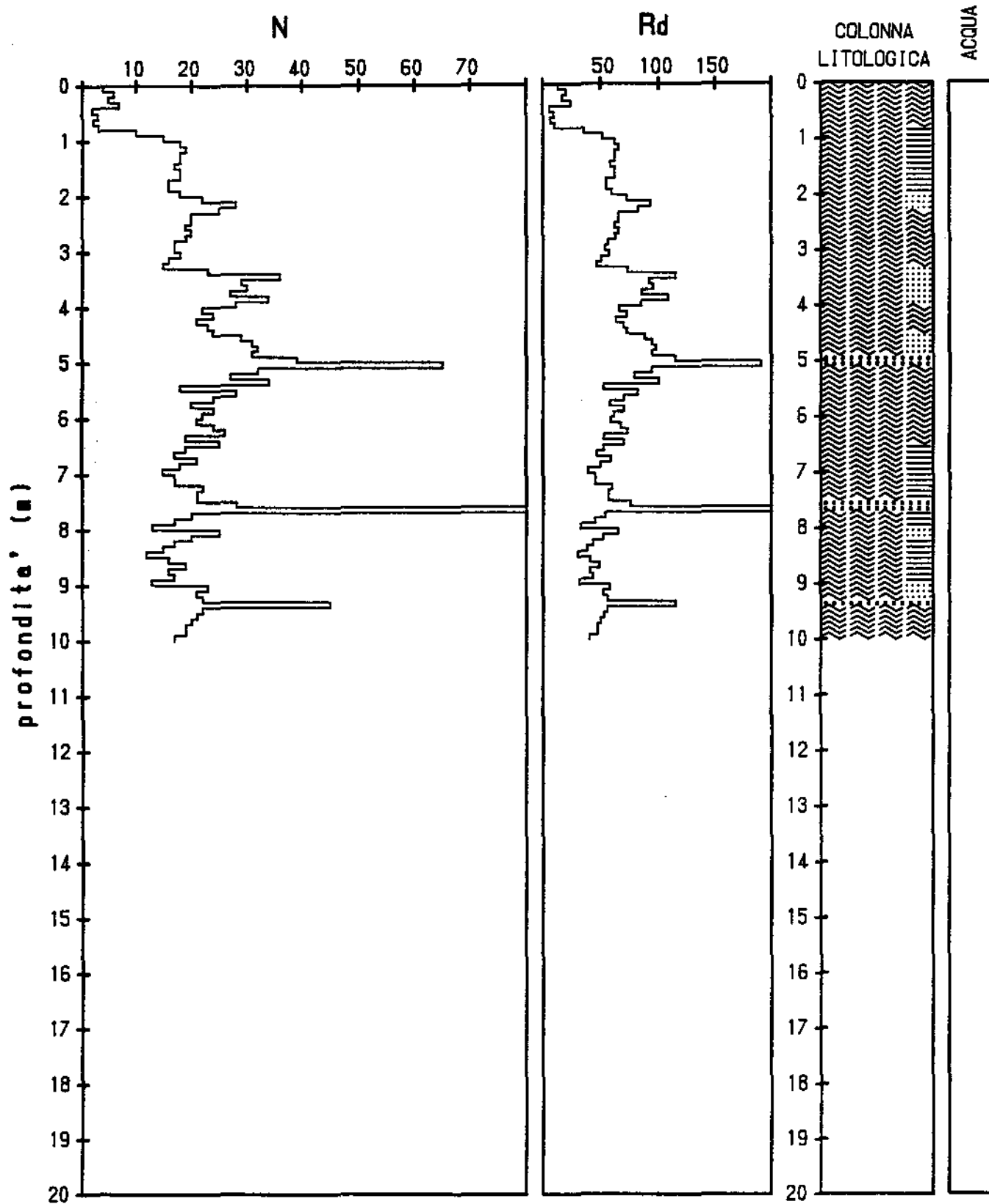


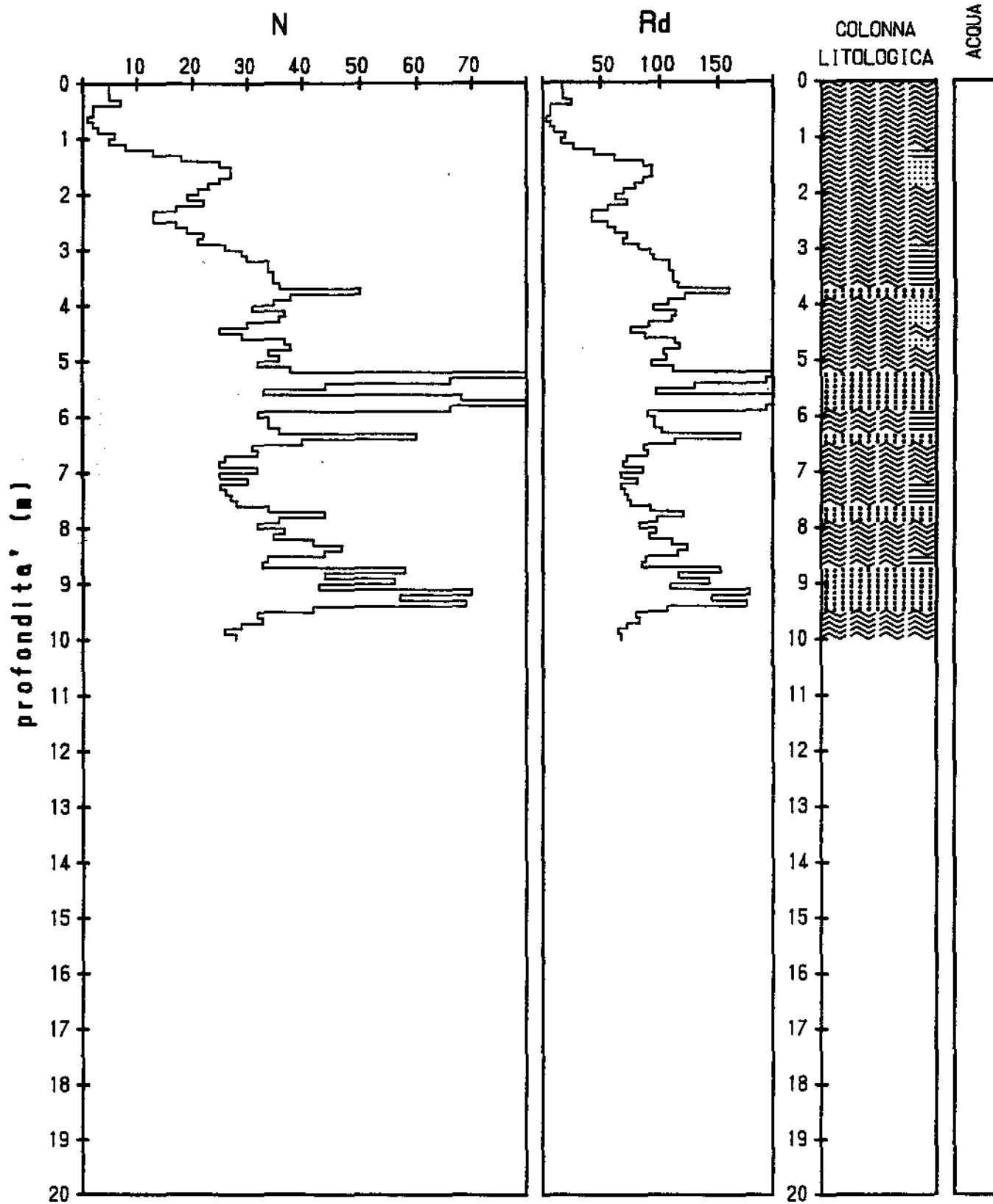


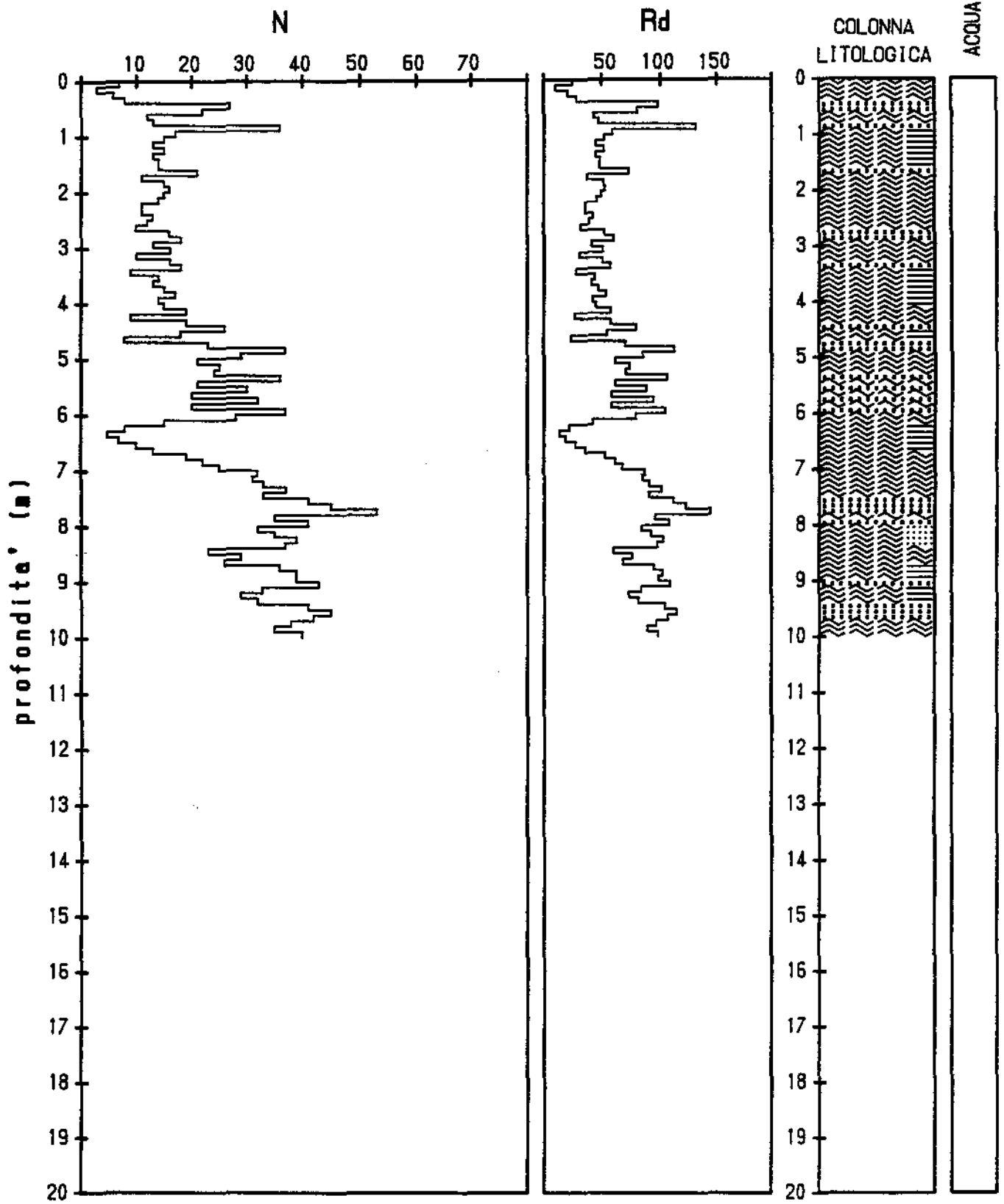


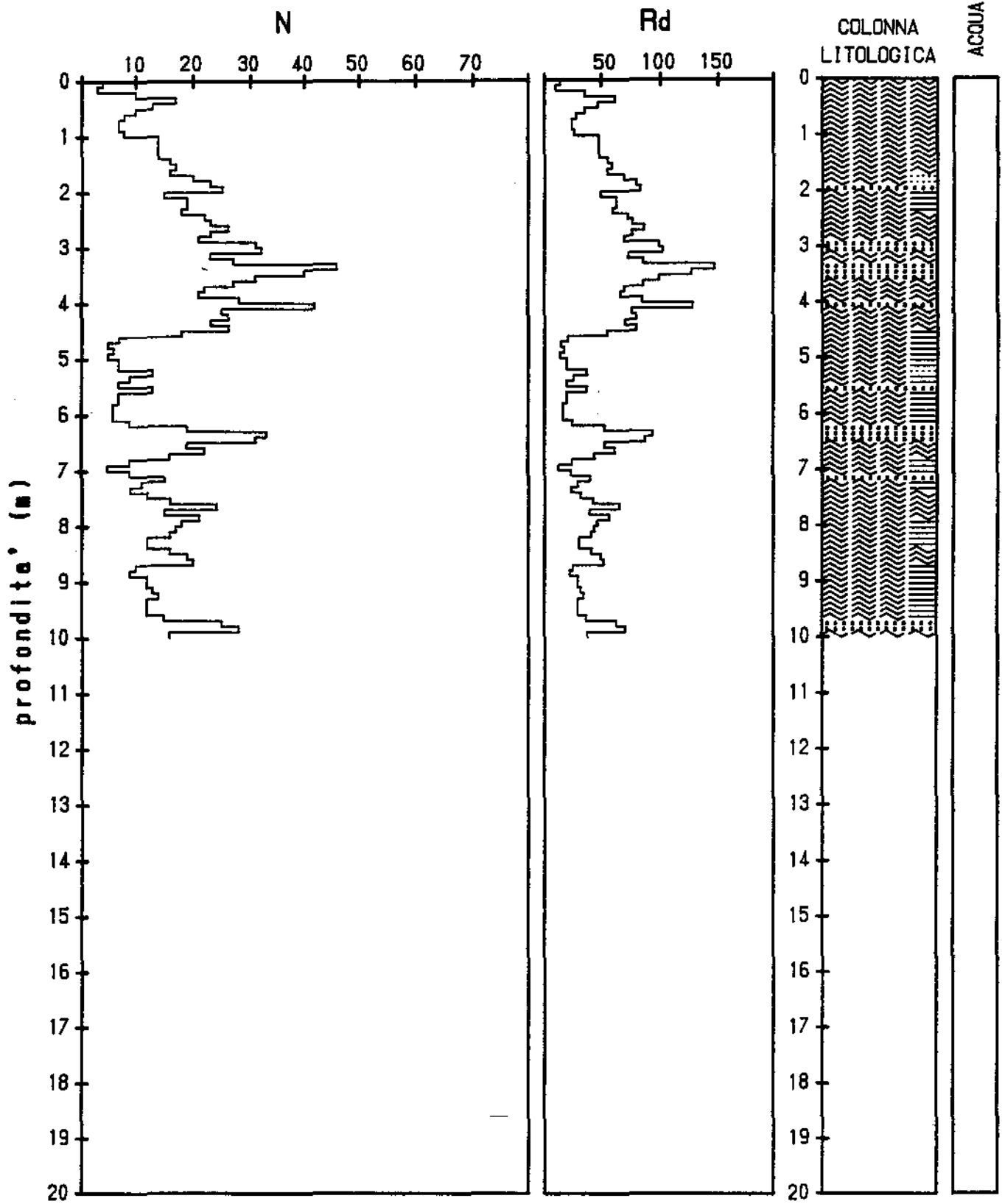


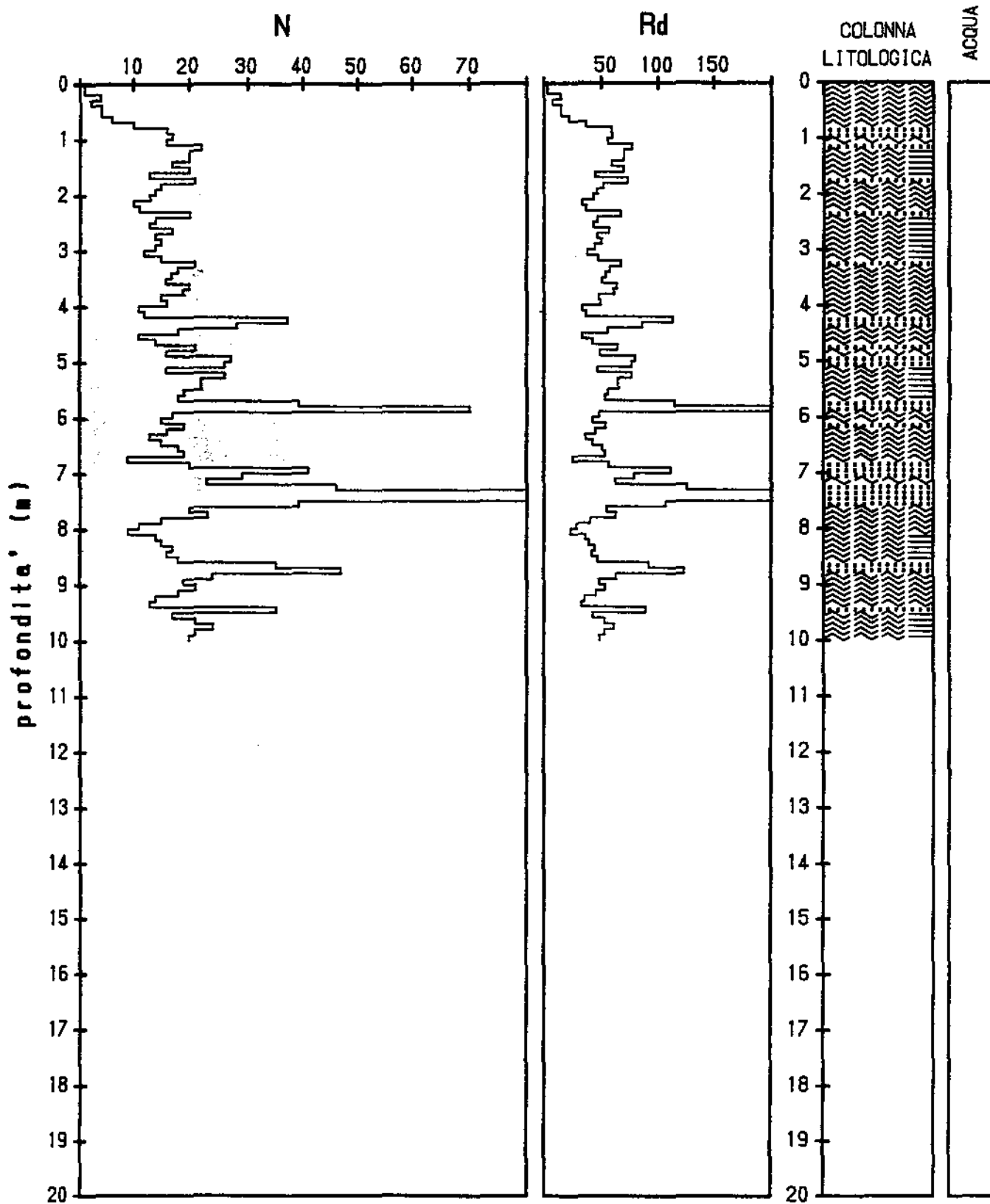












note: "disancoraggio" a -3 m dal p.c.

Prof ml	Resistenza di punta					Resistenza laterale		Rapporto qc/fs			
	25	50	75	100	125	1.00	2.00	A	L	S	SG
0.20	10.0					0.53		18.8			
0.40	10.0	15.7				0.93	0.71	10.7	22.0		
0.60	27.0					0.67		40.5			
0.80	37.0	37.0				0.67	0.67	130.5	130.5		
1.00	66.0	66.5				3.47	4.23	19.0	15.7		
1.20	67.0					5.00		13.4			
1.40	60.0					2.53	3.33	23.7	22.6		
1.60	91.0	75.5				4.13		22.0	22.6		
1.80	150.0	150.0				5.07	5.07	29.6	29.6		
2.00	91.0	91.0				3.33	3.33	27.3	27.3		
2.20	80.0					3.40	3.27	23.5	24.6		
2.40	81.0	80.5				3.13		25.9	25.9		
2.60	92.0	92.0				2.93	2.93	31.4	31.4		
2.80	88.0					5.00		17.6			
3.00	95.0	91.5				5.00	5.00	19.0	18.3		

Stratigrafia e parametri geotecnici

Prof ml	Strati	Tipologia	Gamma ka/mc	Gamma' ka/mc	Sigma' ka/cma	CU ka/cma	FI	DR	mv
							%	%	cma/Ka
0.60		Terreno agrario	1820	1820	0.109	0.783	0	0	0.017
2.30		Sabbia	1300	1300	0.145	0.000	45	99	0.005
1.20		Argilla sabbiosa e limosa	2036	2036	0.227	3.325	0	0	0.005
1.60		Argilla sabbiosa e limosa	2055	2055	0.309	3.775	0	0	0.004
1.30		Sabbia e limo	1500	1500	0.339	0.000	44	100	0.002
2.00		Sabbia e limo argilloso	1500	1500	0.369	0.000	41	33	0.004
2.40		Argilla sabbiosa e limosa	2065	2065	0.451	4.025	0	0	0.004
2.60		Sabbia e limo argilloso	1500	1500	0.481	0.000	40	73	0.004
3.00		Argilla sabbiosa e limosa	2084	2084	0.565	4.575	0	0	0.004

Classificazione sec. SCHMERTMANN

Gamma e Gamma' = peso di volume naturale ed efficace (Lancellotta, 1987)

Sigma'v = pressione litostatica efficace

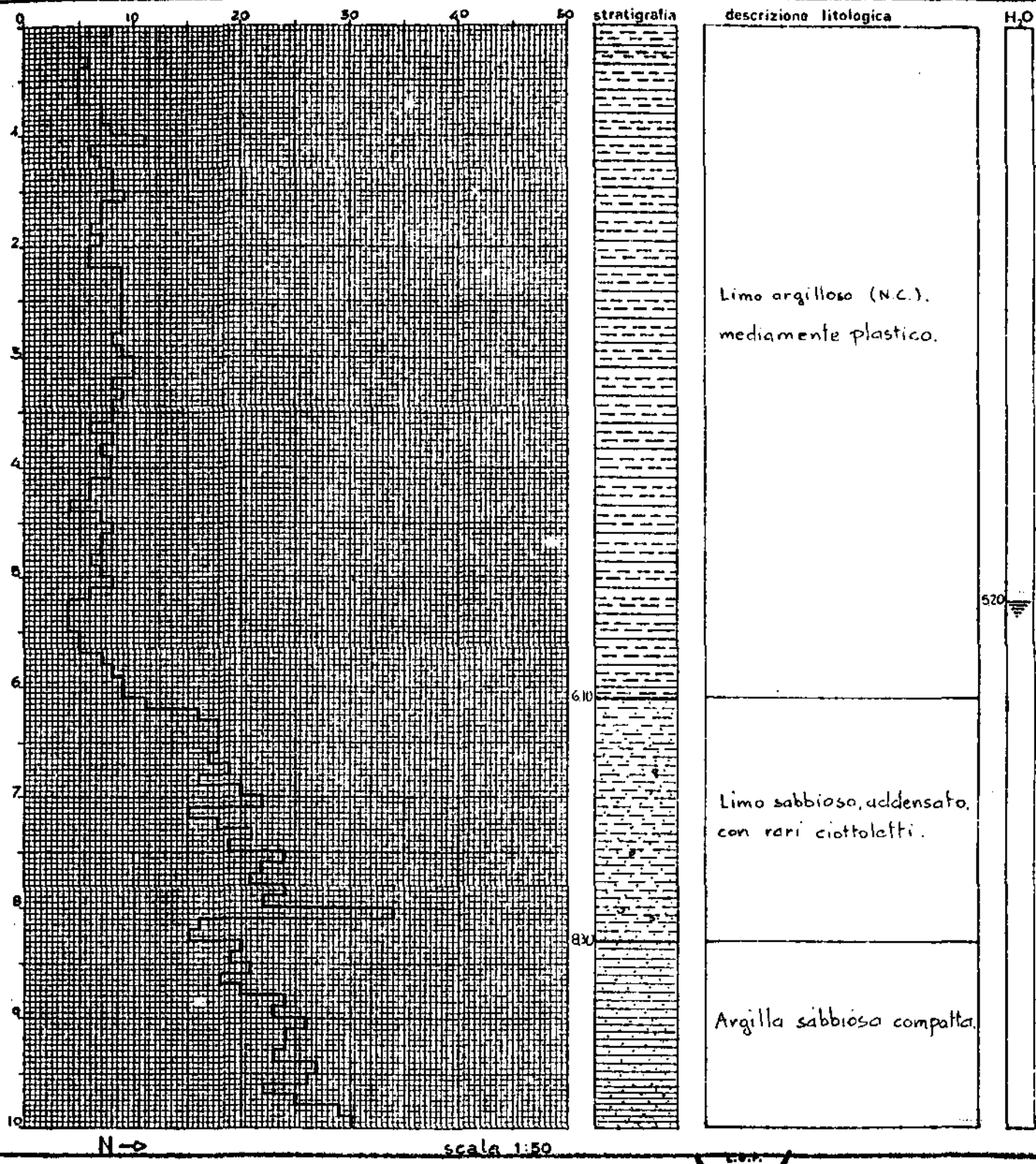
CU = coesione non drenata (De Beer)

FI = angolo di attrito (Durgunoglu e Mitchell, 1975)

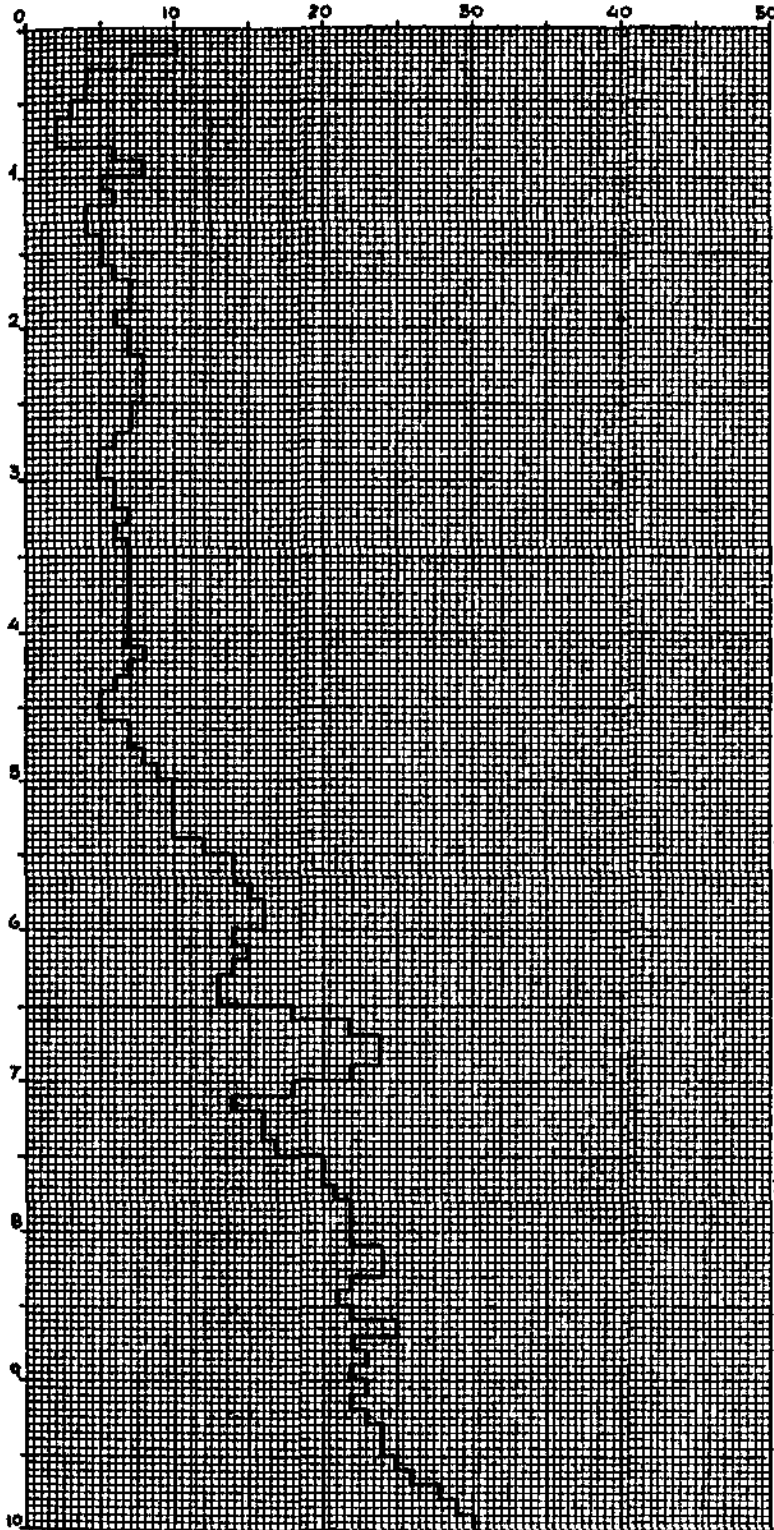
DR = densità relativa (Jamolkowski, 1983)

mv = coeff. di compressibilità volumetrica (Mitchell e Gardner, 1975)

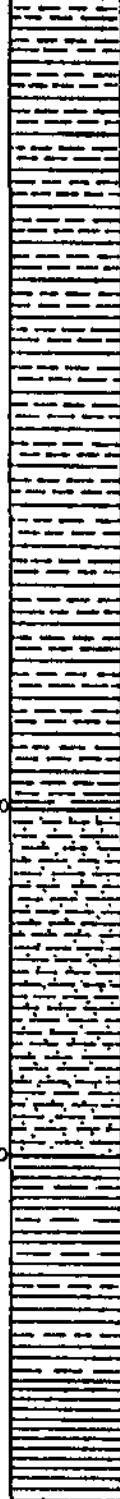
STANDARD CONE PENETRATION TEST



STANDARD CONE PENETRATION TEST



stratigrafia



descrizione litologica

Limo argilloso (N.C.)
mediamente plastico

Limo sabbioso, addensato

Argilla limosa, compatta.

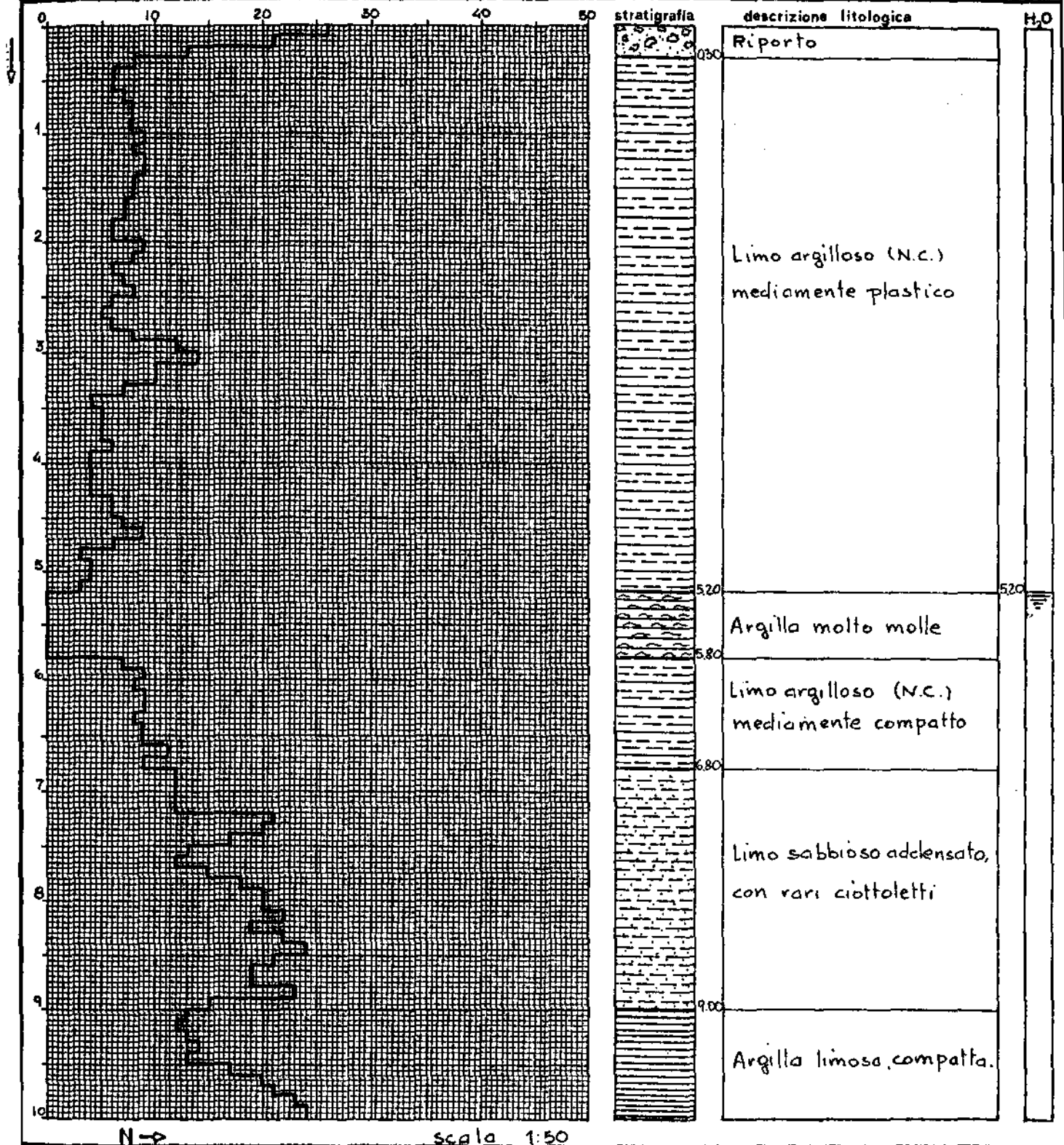
H₂O



N →

scala 1:50

STANDARD CONE PENETRATION TEST

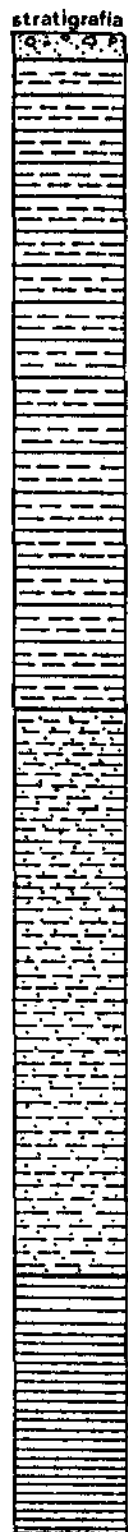
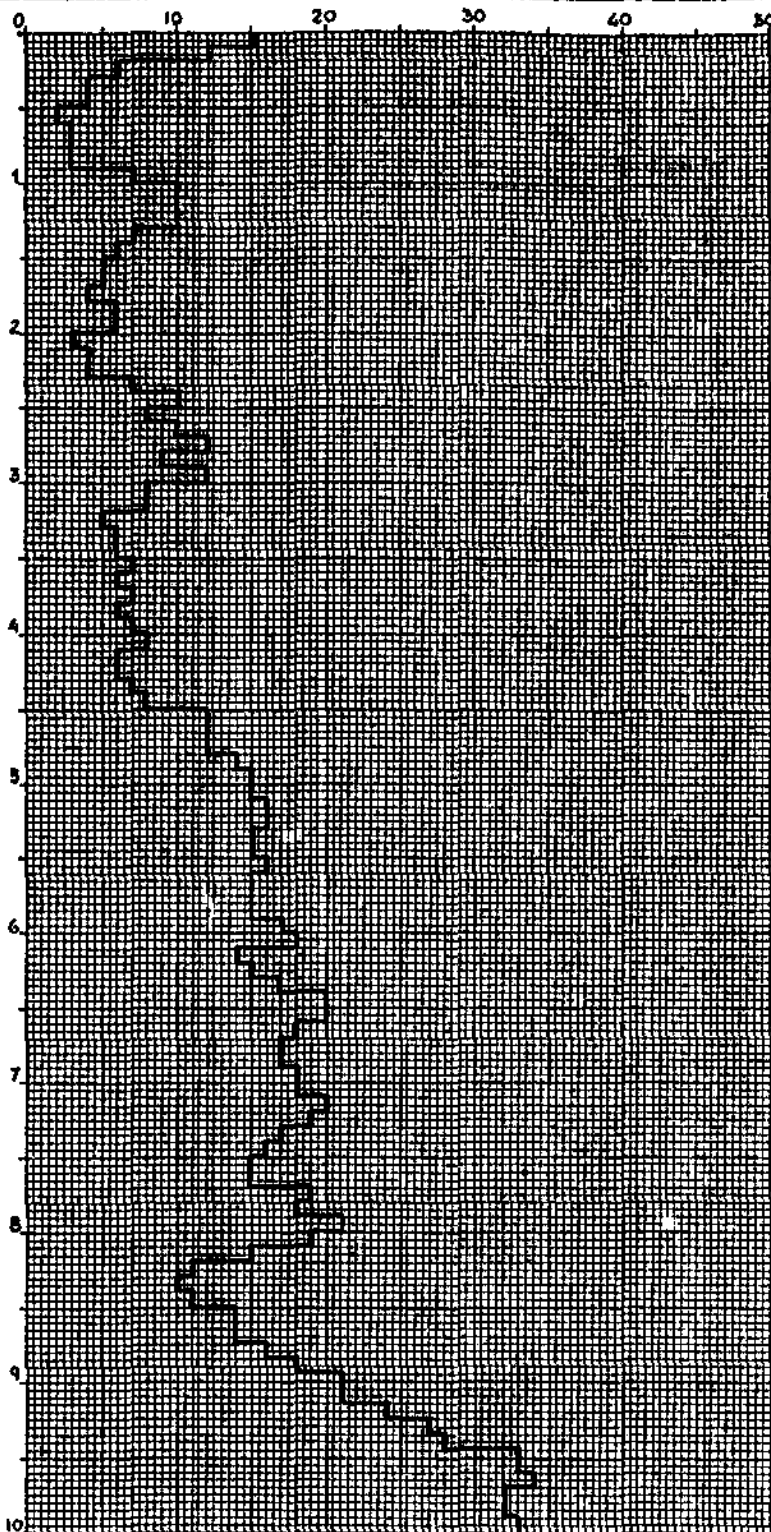


N →

scala 1:50

L.P.P.

STANDARD CONE PENETRATION TEST

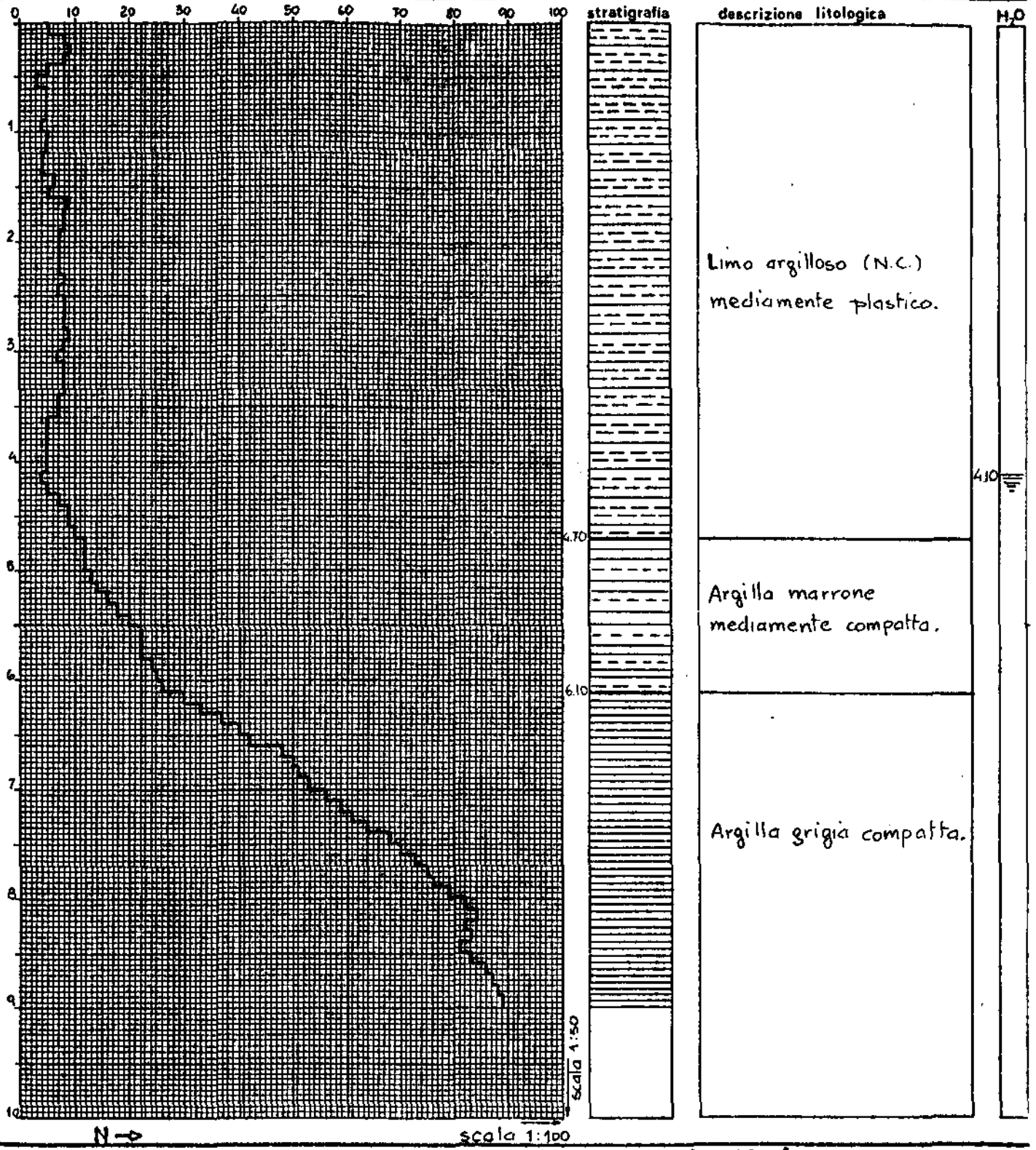


stratigrafia	descrizione litologica	H ₂ O
0-4.50	Riporto Limo argilloso (N.C.) mediamente plastico	
4.50-8.30	limo sabbioso addensato con vari ciottolotti	
8.30-10.0	Argilla limosa compatta	

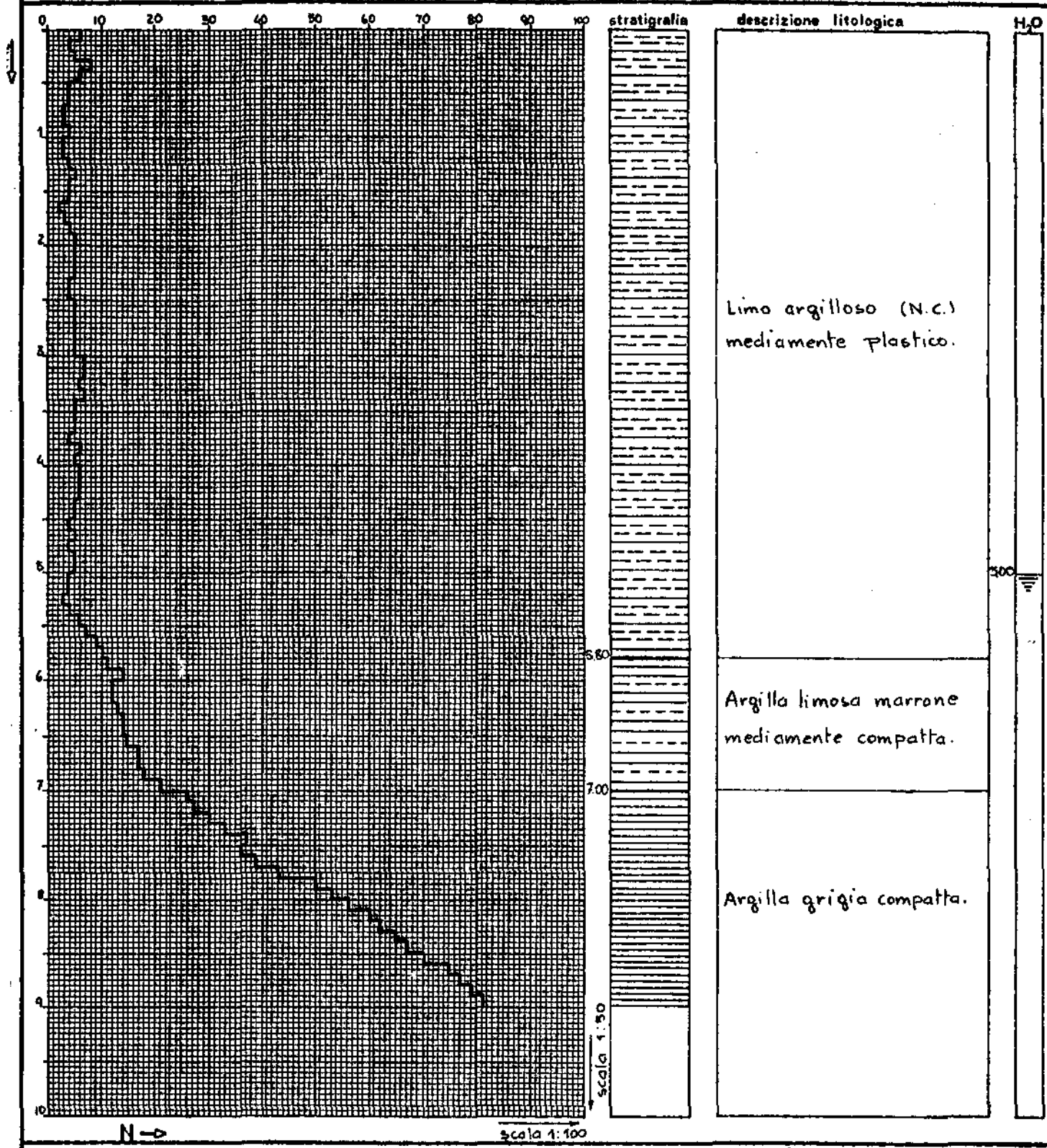
N →

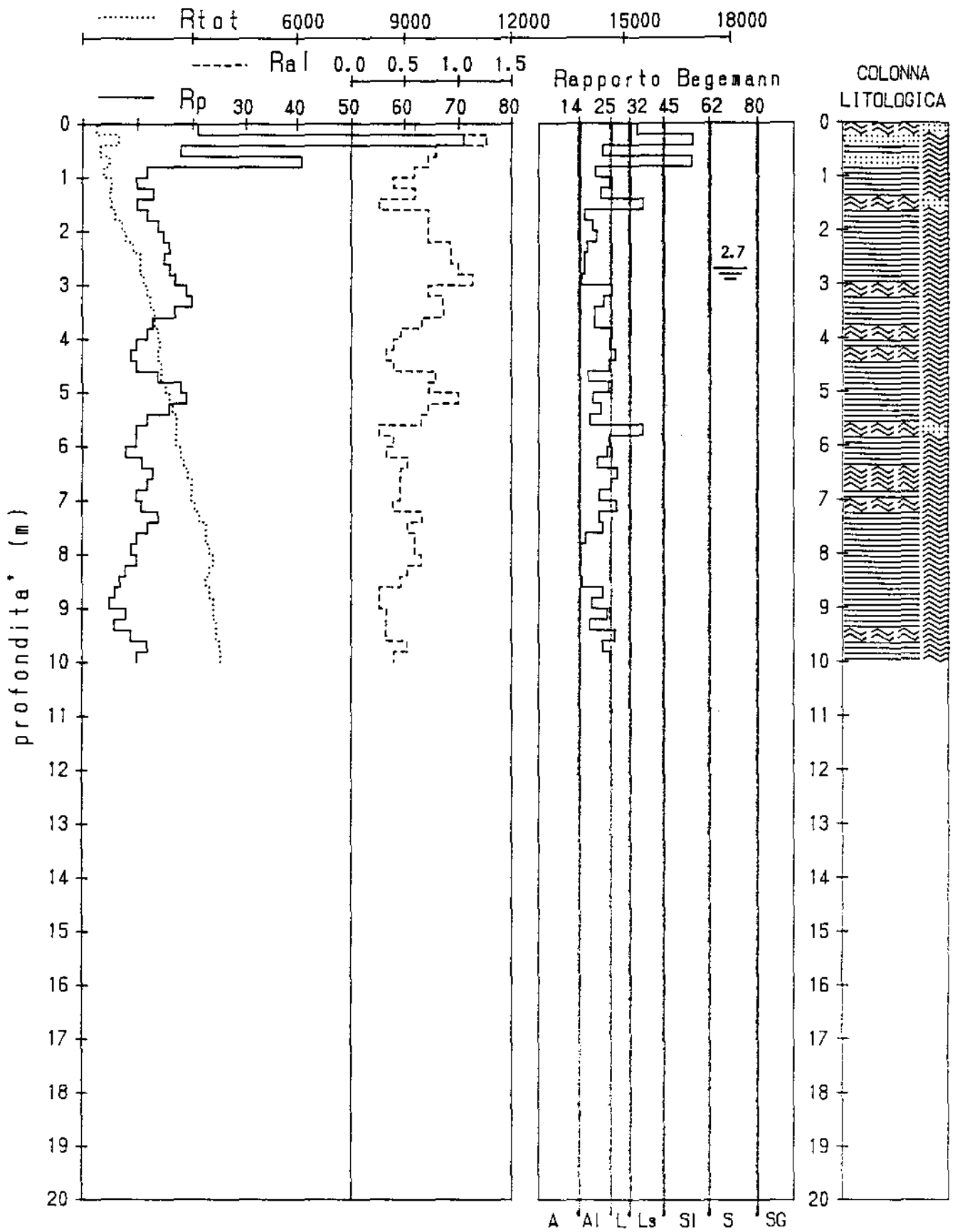
scala 1:50

STANDARD CONE PENETRATION TEST



STANDARD CONE PENETRATION TEST





PROVA PENETROMETRICA STATICA D.P.T. n° 1

PENETROMETRO STATICO da 20 ton. (con anello allargatore) - Avanzamento 2 cm./sec.

Punta meccanica tipo BEBEMANN ϕ 35,7 mm. (area punta 10 cm² - apertura 60°) - Manicotto laterale (superficie 150 cm²)

Committente.....: STEBIGO s.r.l. ecc...

quota inizion : P.C.

Per conto

prof. falda = un metro dal piano

Località.....: CASTELRANCO DI SOTTO

data : 13.3.1996

Profondità raggiunta.: 9.5 m.

Archivio n° 3LTH/S/

Litoologia secondo SCHMERTMANN 1978

A0 - Argille organiche e terreni misti	†	A1 - Argilla inorganica - consistenza bassa
A2 - Argilla inorganica - consistenza bassa	†	A3 - Argilla inorganica - consistenza media
A4 - Argilla inorganica - compatta	†	A5 - Argilla inorganica - molto compatta
ASL - Argille e sabbie limose	†	SAL - Sabbie argillose e limi
LS - Terre limo sabbiose	†	S0 - Sabbia sciolta
S1 - Sabbia mediamente addensata	†	S2 - Sabbia addensata o cementata
		† S6 - Sabbie e ghiaie

Tabulato dei valori rilevati e interpretazione litologica

prof. a.	Rp Kg/cm ²	Rl Kg/cm ²	Rp/Rl ---	Scha.(1978) -----	prof. a.	Rp Kg/cm ²	Rl Kg/cm ²	Rp/Rl ---	Scha.(1978) -----
0.20	0	0.00	0	A0	5.00	24	0.80	30	ASL
0.40	0	0.00	0	A0	5.20	21	1.35	16	A5
0.60	10	0.33	30	ASL	5.40	23	1.75	13	A5
0.80	18	0.40	45	ASL	5.60	17	1.20	14	A0
1.00	11	0.27	41	ASL	5.80	14	0.60	23	A4
1.20	12	0.53	23	A4	6.00	13	0.93	14	A0
1.40	16	0.33	48	ASL	6.20	10	0.67	12	A0
1.60	15	0.47	32	ASL	6.40	11	0.67	17	A0
1.80	16	0.40	40	ASL	6.60	11	0.53	21	A4
2.00	20	0.47	49	ASL	6.80	11	0.73	15	A0
2.20	25	0.67	38	ASL	7.00	11	0.30	14	A0
2.40	27	0.67	41	ASL	7.20	9	0.67	10	A0
2.60	27	0.73	37	ASL	7.40	10	0.73	14	A0
2.80	25	0.67	30	ASL	7.60	10	0.60	17	A0
3.00	22	1.00	22	A4	7.80	13	0.60	16	A4
3.20	22	1.20	25	ASL	8.00	12	0.60	20	A4
3.40	15	1.07	14	ASL	8.20	10	0.35	11	A0
3.60	19	1.27	15	ASL	8.40	9	0.75	11	A0
3.80	23	1.33	17	AS	8.60	5	0.65	9	A0
4.00	23	1.40	16	AS	8.80	7	0.20	38	ASL
4.20	23	1.33	17	AS	9.00	6	0.20	30	ASL
4.40	25	1.40	18	AS	9.20	6	0.35	13	A0
4.60	26	1.47	17	AS	9.40	5	0.27	18	A0
4.80	23	1.47	15	AS	9.60	7	0.33	21	A0

PROVA PENETROMETRICA STATICA C.P.T. n° 3

PENETROMETRO STATICO da 20 ton. (con anello allargatore) - Avanzamento 2 cm./sec.

Punta meccanica tipo BEGMANN ϕ 35.7 mm. (area punta 10 cm² - apertura 60°) - Manicotto laterale (superficie 150 cm²)

Committente.....: STEBIO s.r.l. ecc...

quota inizion : P.C.

Per conto

prof. falda = un metro dal piano

Località.....: CASTELFRANCO DI SOTTO

data : 13.3.1996

Profondità raggiunta..: 7.0 m.

Archivio n° 4LTH/S/

Litologia secondo SCHMERTMANN 1978

A0 - Argille organiche e terreni misti	÷	A1 - Argilla inorganica - consistenza bassa
A2 - Argilla inorganica - consistenza bassa	÷	A3 - Argilla inorganica - consistenza media
A4 - Argilla inorganica - compatta	÷	A5 - Argilla inorganica - molto compatta
ASL - Argille e sabbie limose	÷	SAL - Sabbie argillose e limi
LS - Terre limo sabbiose	÷	SO - Sabbia sciolta
S1 - Sabbia mediamente addensata	÷	S2 - Sabbia addensata o cementata
		S6 - Sabbie e ghiaie

Tabulato dei valori rilevati e interpretazione litologica

prof. m.	Rp Kg/cm ²	R1 Kg/cm ²	Rp/R1 ---	Schm.(1978) -----	prof. m.	Rp Kg/cm ²	R1 Kg/cm ²	Rp/R1 ---	Schm.(1978) -----
0.20	0	0.00	0	A0	3.80	20	1.07	19	A5
0.40	0	0.00	0	A0	4.00	19	0.53	36	ASL
0.60	11	0.33	21	A4	4.20	19	1.07	17	A5
0.80	12	0.33	36	ASL	4.40	15	1.00	15	A0
1.00	13	0.13	98	ASL	4.60	7	0.73	10	A0
1.20	16	0.47	34	ASL	4.80	7	0.47	15	A0
1.40	17	0.40	43	ASL	5.00	7	0.53	13	A0
1.60	17	0.40	43	ASL	5.20	31	0.67	47	ASL
1.80	17	0.47	36	ASL	5.40	14	1.00	14	A0
2.00	18	0.73	25	ASL	5.60	16	1.20	13	A0
2.20	21	0.60	55	ASL	5.80	16	1.40	11	A0
2.40	18	0.33	54	ASL	6.00	16	0.73	22	A4
2.60	17	0.73	23	A4	6.20	14	1.20	12	A0
2.80	9	0.60	15	A0	6.40	13	1.13	11	A0
3.00	11	0.47	24	A0	6.60	12	0.60	27	ASL
3.20	13	0.60	22	A4	6.80	12	1.67	11	A5
3.40	18	0.30	23	A4	7.00	14	1.13	12	A0
3.60	18	1.00	19	A4					

parametri geotecnici stimati

PROFONDITA' (metri)	qc (Kg/cmq)	Fs (Kg/cmq)	qc/Fs	Qt (kgf)	δ (Kg/dmc)	σ_{qv} (Kg/cmq)	ψ (gradi)	D_n (%)	c_u (Kg/cmq)	m_v (cmq/t)	Colonna Stratig.
0.2					1,80	,04	-	-	-	-	
0.4					1,80	,07	-	-	-	-	
0.6	20,1	,8	25	440	1,92	,11	-	-	,80	19,9	=====
0.8	13,3	,5	25	510	1,91	,15	-	-	,53	20,4	=====
1.0	13,3	1,1	12	710	1,56	,18	-	-	,52	27,8	=====
1.2	18,3	,9	21	740	1,92	,22	-	-	,72	19,5	=====
1.4	29,3	,7	40	1190	1,75	,25	28	-	-	11,4	=====
1.6	28,3	1,1	25	1340	1,94	,29	-	-	1,12	14,1	=====
1.8	22,4	1,3	18	1530	1,93	,33	-	-	,88	17,9	=====
2.0	24,4	1,1	22	1700	1,93	,37	-	-	,96	16,4	=====
2.2	19,4	,9	22	1810	1,92	,41	-	-	,76	19,8	=====
2.4	13,4	,9	15	1870	1,91	,45	-	-	,52	20,3	=====
2.6	11,4	,5	24	1920	1,90	,48	-	-	,44	21,8	=====
2.8	11,5	,5	25	1970	1,90	,52	-	-	,44	21,7	=====
3.0	17,5	,4	44	2030	1,69	,56	-	-	,68	16,9	=====
3.2	19,5	,3	73	2120	1,70	,59	31	24	-	16,7	=====
3.4	28,5	,5	53	2240	1,74	,60	33	37	-	11,7	=====
3.6	27,5	,9	32	2290	1,74	,62	28	-	-	12,1	=====
3.8	22,6	1,3	18	2320	1,93	,64	-	-	,88	17,7	=====
4.0	13,6	1,1	13	2360	1,57	,65	-	-	,52	27,2	=====
4.2	12,6	,7	17	2420	1,91	,67	-	-	,48	20,8	=====
4.4	14,6	,6	24	2490	1,91	,69	-	-	,56	19,8	=====
4.6	13,6	,7	19	2520	1,91	,70	-	-	,52	20,2	=====
4.8	13,7	,7	21	2570	1,91	,72	-	-	,52	20,2	=====
5.0	14,7	,7	22	2610	1,91	,74	-	-	,56	19,8	=====
5.2	10,7	,6	18	2630	1,90	,76	-	-	,40	22,5	=====
5.4	8,7	,6	15	2690	1,52	,77	-	-	,32	40,1	=====
5.6	10,7	,5	23	2750	1,90	,79	-	-	,40	22,5	=====
5.8	12,9	,4	32	2740	1,91	,80	-	-	,48	20,6	=====
6.0	8,9	,4	22	2750	1,85	,82	-	-	,32	25,1	=====
6.2	7,9	,4	20	2870	1,80	,84	-	-	,28	27,2	=====
6.4	9,9	,3	30	2870	1,90	,86	-	-	,36	23,5	=====
6.6	13,9	,6	23	3010	1,91	,87	-	-	,52	20,1	=====
6.8	33	,7	45	3110	1,77	,89	29	-	-	10,1	=====
7.0	30	,3	90	3110	1,75	,90	31	29	-	11,1	=====
7.2	22	,8	28	3170	1,93	,92	-	-	,84	18,2	=====
7.4	20	,5	38	3230	1,70	,94	-	-	,76	16,7	=====
7.6	34	,9	39	3740	1,77	,95	29	-	-	9,8	=====
7.8	47,2	,6	79	3560	1,84	,97	33	43	-	7,1	=====
8.0	20,2	,7	39	3600	1,73	,98	28	-	-	12,7	=====
8.2	22,2	1,1	21	3730	1,93	1,00	-	-	,85	18,0	=====
8.4	27,2	,7	41	3720	1,74	1,02	28	-	-	12,3	=====
8.6	22,2	1,1	21	3890	1,93	1,03	-	-	,85	18,0	=====
8.8	25,2	,7	34	3910	1,73	1,05	28	-	-	13,2	=====
9.0	17,2	,5	37	3930	1,69	1,06	-	-	,65	17,0	=====
9.2	8,2	,3	31	4120	1,81	1,08	-	-	,28	26,5	=====
9.4	22,2	,3	67	4170	1,71	1,09	28	15	-	15,0	=====
9.6	14,2	,5	27	4420	1,91	1,11	-	-	,52	19,9	=====
9.8	20,2	,5	38	4310	1,75	1,13	29	20	-	12,7	=====
10.0	20,2	,5	40	4350	1,74	1,14	29	22	-	11,8	=====

parametri geotecnici stimati

PROFONDITA' [metri]	qc [Kg/cmq]	Ps [Kg/cmq]	Qc/Ps	Qt [Kgf]	δ [Kg/dmc]	σ_{av} [Kg/cmq]	θ [gradi]	D_1 [%]	c_1 [Kg/cmq]	w_v [cmq/t]	Colonna Stratig.
10.2	18,4	,6	31	4450	1,92	1,16	-	-	,69	19,5	=====
10.4	24,4	,3	73	4500	1,72	1,17	28	16	-	13,7	=====
10.6	50,4	,3	189	4730	2,05	1,19	32	41	-	6,6	=====
10.8	51,6	,9	60	5060	1,86	1,21	32	42	-	6,5	=====
11.0	68,6	,9	79	5220	1,94	1,23	34	51	-	4,9	=====
11.2	50,6	1,1	47	5170	1,85	1,25	31	-	-	6,6	=====
11.4	23,6	,6	39	5140	1,72	1,26	-	-	,89	14,1	=====
11.6	64,6	1,1	57	5320	1,92	1,28	33	48	-	5,2	=====
11.8	53,7	,6	90	5210	1,87	1,30	32	41	-	6,2	=====
12.0	44,7	,8	56	5280	1,82	1,31	31	35	-	7,5	=====

parametri geotecnici stimati

PROFONDITA' (metri)	Qc (Kg/cmq)	Fs (Kg/cmq)	Qc/Fs	Qt (Kgf)	δ (Kg/dmc)	σ_{ov} (Kg/cmq)	ϑ (gradi)	D _R (%)	c _v (Kg/cmq)	μ_v (cmq/t)	Colonna Stratig.
0.2					1,80	,04	-	-	-	-	
0.4					1,80	,07	-	-	-	-	
0.6	14,1	,6	24	360	1,91	,11	-	-	,56	20,0	=====
0.8	12,3	,2	62	470	1,66	,14	36	40	-	16,7	=====
1.0	13,5	,5	29	560	1,91	,18	-	-	,52	20,4	=====
1.2	12,3	,7	18	630	1,91	,22	-	-	,48	21,0	=====
1.4	14,3	,6	24	760	1,91	,26	-	-	,56	19,9	=====
1.6	28,3	,4	71	950	1,74	,29	37	53	-	11,8	=====
1.8	29,4	,8	37	1100	1,75	,33	28	-	-	11,3	=====
2.0	25,4	1,1	22	1290	1,93	,37	-	-	1,00	15,7	=====
2.2	19,4	1,1	18	1390	1,92	,40	-	-	,76	19,8	=====
2.4	13,4	,7	20	1540	1,91	,44	-	-	,52	20,3	=====
2.6	13,4	,5	29	1610	1,91	,48	-	-	,52	20,3	=====
2.8	11,5	,5	22	1730	1,90	,52	-	-	,44	21,7	=====
3.0	20,5	,5	38	1020	1,70	,55	-	-	,80	16,3	=====
3.2	23,5	,7	32	1920	1,72	,57	-	-	,92	14,2	=====
3.4	28,5	,9	33	2040	1,74	,58	28	-	-	11,7	=====
3.6	24,5	1	25	2160	1,93	,60	-	-	,96	16,3	=====
3.8	19,0	,9	21	2250	1,92	,62	-	-	,76	19,8	=====
4.0	15,0	1	16	2380	1,91	,64	-	-	,60	19,5	=====
4.2	19,6	,7	29	2510	1,92	,66	-	-	,76	19,8	=====
4.4	21,6	,9	25	2590	1,93	,67	-	-	,84	18,5	=====
4.6	21,6	1,1	20	2650	1,93	,69	-	-	,84	18,5	=====
4.8	19,7	,8	25	2670	1,92	,71	-	-	,76	19,9	=====
5.0	15,7	,7	24	2710	1,91	,73	-	-	,60	19,5	=====
5.2	10,7	,5	20	2690	1,90	,75	-	-	,40	22,5	=====
5.4	14,7	,4	37	2750	1,67	,76	-	-	,56	17,9	=====
5.6	18,7	,1	140	2890	1,89	,78	29	16	-	16,7	=====
5.8	28,9	,5	62	2860	1,74	,79	31	31	-	11,5	=====
6.0	26,9	,9	31	3090	1,73	,81	28	-	-	12,4	=====
6.2	26,9	,3	101	2920	1,73	,82	31	28	-	12,4	=====
6.4	8,9	,0	15	2920	1,52	,83	-	-	,32	39,5	=====
6.6	6,9	,5	19	3060	1,85	,85	-	-	,32	25,1	=====
6.8	10	,4	40	3140	1,88	,86	-	-	,01	17,4	=====
7.0	21	,4	53	3150	1,71	,88	29	18	-	15,9	=====
7.2	32	,9	34	3380	1,76	,89	29	-	-	10,4	=====
7.4	27	,5	51	3500	1,74	,91	30	26	-	12,3	=====
7.6	31	1	31	3560	1,76	,92	29	-	-	10,8	=====
7.8	40,2	,0	34	3430	1,70	,94	-	-	,77	16,5	=====
8.0	10,2	,4	26	3470	1,90	,96	-	-	,37	23,1	=====
8.2	12,2	,3	37	3520	1,66	,97	-	-	,45	19,7	=====
8.4	9,2	,3	28	3580	1,86	,99	-	-	,33	24,0	=====
8.6	6,2	,3	23	3600	1,71	1,00	-	-	,41	32,0	=====
8.8	9,2	,3	35	3720	1,86	1,02	-	-	,33	24,0	=====
9.0	5,2	,3	20	4150	1,66	1,03	-	-	,17	37,5	=====
9.2	47,2	,3	177	4440	2,04	1,05	32	42	-	7,1	=====
9.4	64,2	,9	69	4620	1,92	1,07	34	52	-	5,2	=====
9.6	50,2	1,4	36	4500	1,85	1,09	31	-	-	6,0	=====
9.8	48,2	,9	50	4410	1,74	1,10	28	-	-	11,6	=====
10.0	38,2	,7	52	4690	1,79	1,12	31	33	-	8,7	=====

parametri geotecnici stimati

PROFONDITA' (metri)	Qc (Kg/cmq)	fs (Kg/cmq)	Qc/fs	Qt (Kgf)	δ (Kg/dmc)	σ_{ov} (Kg/cmq)	θ (gradi)	D _R (%)	C _r (Kg/cmq)	m _v (cmq/t)	Colonna Stratig.
10.2	51,4	,3	154	4810	2,06	1,14	33	43	-	6,5	
10.4	50,4	1,2	42	5060	1,85	1,16	31	-	-	6,6	
10.6	87,4	,9	101	5250	2,04	1,18	36	60	-	3,8	
10.8	75,6	1,5	52	5460	1,98	1,20	35	55	-	4,4	
11.0	92,0	1,3	73	5390	2,06	1,22	36	62	-	3,6	
11.2	57,6	1,1	54	5230	1,89	1,24	33	45	-	5,8	
11.4	58,0	1,1	52	5320	1,89	1,26	33	45	-	5,7	
11.6	78,6	1,1	74	5470	1,99	1,28	34	55	-	4,2	
11.8	65,7	1,7	39	5520	1,93	1,29	31	-	-	5,1	
12.0	67,7	1,5	46	5530	1,94	1,31	32	-	-	4,9	

parametri geotecnici stimati

PROFONDITA' [metri]	q_c [Kg/cm ²]	F_s [Kg/cm ²]	q_c/F_s	q_t [Kg/cm ²]	δ [Kg/dmc]	σ_{ov} [Kg/cm ²]	θ [gradi]	D_R [%]	c_u [Kg/cm ²]	n_v [cm ² /t]	Colonna Stratig.
0.2					1,80	,04	-	-	-	-	
0.4					1,80	,07	-	-	-	-	
0.6	25,1	1,1	24	441	1,93	,11	-	-	1,00	15,9	=====
0.8	31,3	,9	36	513	1,76	,15	29	-	-	10,6	=====
1.0	14,3	,7	20	513	1,91	,18	-	-	,56	19,9	=====
1.2	13,3	,5	25	403	1,91	,22	-	-	,52	20,4	=====
1.4	11,3	,4	28	413	1,90	,26	-	-	,44	21,9	=====
1.6	13,3	,4	33	433	1,91	,30	-	-	,52	20,4	=====
1.8	12,4	,5	27	414	1,91	,34	-	-	,48	20,9	=====
2.0	11,4	,5	21	384	1,90	,35	-	-	,44	21,8	=====
2.2	10,4	,5	20	404	1,90	,37	-	-	,40	22,9	=====
2.4	13,4	,5	25	474	1,91	,39	-	-	,52	20,3	=====
2.6	17,4	,7	24	594	1,92	,41	-	-	,68	19,4	=====
2.8	19,5	1,1	18	685	1,92	,43	-	-	,76	19,8	=====
3.0	16,5	1,2	14	745	1,91	,45	-	-	,64	19,4	=====
3.2	15,5	,9	17	855	1,91	,46	-	-	,60	19,6	=====
3.4	12,5	,1	13	905	1,56	,48	-	-	,48	29,6	=====
3.6	11,5	,7	17	1045	1,90	,49	-	-	,44	21,7	=====
3.8	14,6	,7	22	1136	1,91	,51	-	-	,56	19,8	=====
4.0	14,6	,8	18	1176	1,91	,53	-	-	,56	19,8	=====
4.2	13,6	,9	16	1266	1,91	,55	-	-	,52	20,2	=====
4.4	17,6	,6	29	1336	1,92	,57	-	-	,68	19,4	=====
4.6	13,6	,9	15	1406	1,91	,58	-	-	,52	20,2	=====
4.8	16,7	,7	25	1447	1,91	,60	-	-	,64	19,4	=====
5.0	12,7	,7	19	1507	1,91	,62	-	-	,48	20,7	=====
5.2	13,7	,4	34	1527	1,67	,63	-	-	,52	18,5	=====
5.4	10,7	,7	16	1537	1,90	,65	-	-	,40	22,5	=====
5.6	6,7	,4	17	1647	1,50	,66	-	-	,24	47,7	=====
5.8	5,9	,3	22	1629	1,70	,68	-	-	,21	33,9	=====
6.0	6,9	,3	26	1669	1,75	,69	-	-	,25	30,0	=====
6.2	7,9	,3	30	1699	1,80	,71	-	-	,29	27,2	=====
6.4	6,9	,3	21	1699	1,75	,72	-	-	,25	30,0	=====
6.6	6,9	,3	21	1759	1,75	,74	-	-	,25	30,0	=====
6.8	6	,3	23	1760	1,70	,75	-	-	,21	33,4	=====
7.0	8	,3	24	1790	1,80	,77	-	-	,29	27,0	=====
7.2	8	,3	30	1810	1,80	,78	-	-	,29	27,0	=====
7.4	7	,3	21	1870	1,75	,80	-	-	,25	29,7	=====
7.6	6	,3	18	1940	1,70	,81	-	-	,21	33,4	=====
7.8	6,2	,3	19	1982	1,71	,83	-	-	,21	32,6	=====
8.0	6,2	,3	23	2002	1,71	,84	-	-	,21	32,6	=====
8.2	6,2	,3	23	2032	1,71	,85	-	-	,21	32,6	=====
8.4	6,2	,3	19	2072	1,71	,87	-	-	,21	32,6	=====
8.6	7,2	,4	18	2092	1,76	,88	-	-	,25	29,1	=====
8.8	7,2	,5	15	2122	1,50	,89	-	-	,25	45,3	=====
9.0	8,2	,4	21	2162	1,81	,91	-	-	,29	26,5	=====
9.2	7,2	,5	15	2202	1,50	,92	-	-	,25	45,3	=====
9.4	7,2	,4	18	2222	1,76	,93	-	-	,25	29,1	=====
9.6	7,2	,3	27	2282	1,76	,95	-	-	,25	29,1	=====
9.8	10,2	,6	17	2282	1,90	,97	-	-	,37	23,1	=====
10.0	14,2	,5	27	2342	1,91	,99	-	-	,53	19,9	=====

parametri geotecnici stimati

PROFONDITA' [metri]	Qc (Kg/cmq)	Fs (Kg/cmq)	Qc/Fs	Qt (Kgf)	ρ (Kg/dmc)	σ_{ov} (Kg/cmq)	θ (gradi)	D _r (%)	c _u (Kg/cmq)	w _v (cmq/t)	Colonna Stratig.
10.2	9,4	,6	16	2604	1,87	1,01	-	-	,34	24,3	=====
10.4	19,4	,2	97	2554	1,70	1,02	28	12	-	16,7	=====
10.6	4,4	,3	17	2684	1,47	1,03	-	-	,13	66,3	=====
10.8	18,6	,4	47	2746	1,69	1,04	-	-	,70	16,7	=====
11.0	10,6	,6	18	2766	1,90	1,06	-	-	,38	22,6	=====
11.2	12,6	,4	32	2796	1,91	1,08	-	-	,46	20,8	=====
11.4	10,6	,3	32	2916	1,90	1,10	-	-	,38	22,6	=====
11.6	24,6	,4	62	3036	1,72	1,11	28	18	-	13,6	=====

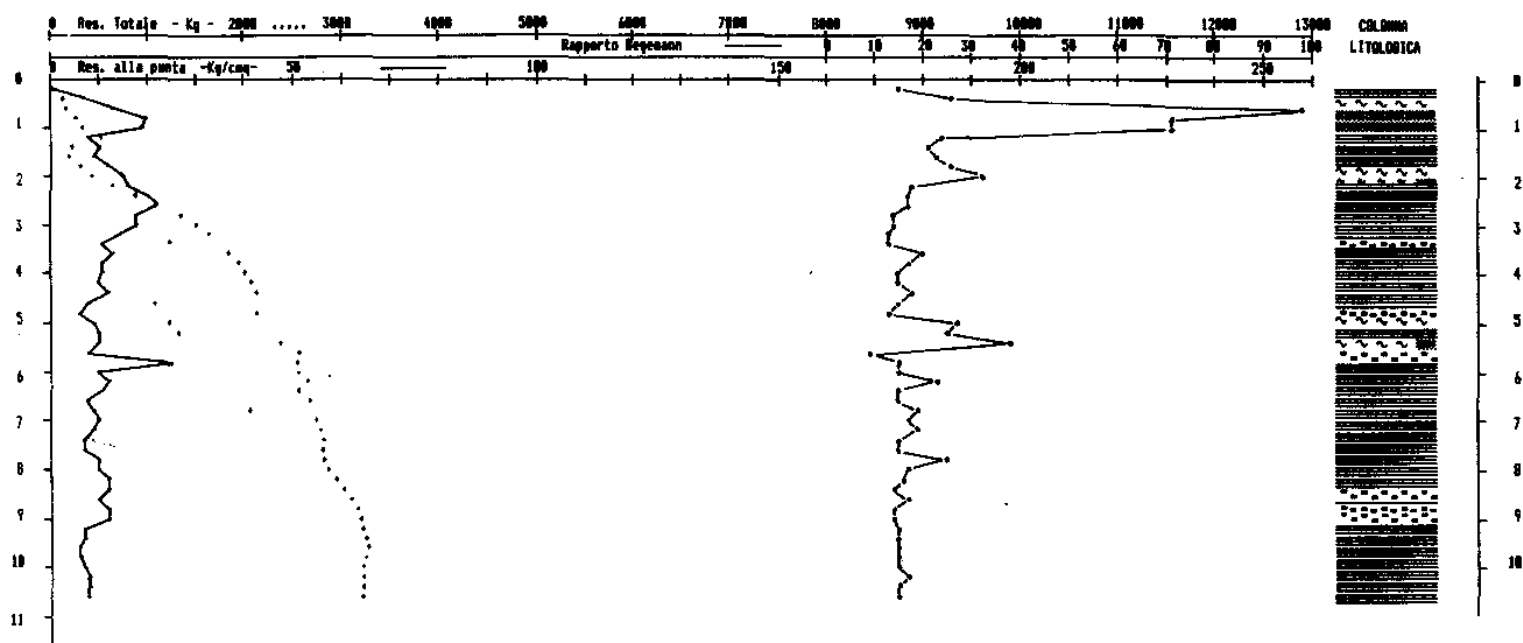
CAMP IND	PROF	LITOLOGIA	DESCRIZIONE	PROVE S.P.T.	
				PROF.	RISULT.
	0,50		Terreno vegetale		
			Sabbia fine e limo marrone chiaro, di scarsa consistenza		
2,50	2,10		Limo debolmente sabbioso marrone chiaro, da scarsamente a moderatamente consistente		
3,00			Limi argillosi e argille limose, marrone chiaro, con smescolature ocraceo-rossastre e grigio-azzurre, moderatamente consistenti, con inclusi nerastri. Livellietto di sabbia fine mediamente addensata da - 4,90 a - 4,95 m. Nell'ultimo metro presenza di piccoli inclusi litoidi		
4,30	3,50				
4,60					
	6,00		Argilla grigio-azzurra da scarsam. consistente a plastica, con frustoli vegetali marrone-bruno		
7,30			Argilla limosa, da debolmente sabbiosa a sabbiosa, da grigio cenere a grigio-azzurra, con livelli nerastri, scarsamente consistente. Rari fini straterelli di materiale vegetale nerastro		
7,60	8,20				
	10,85		Argilla grigio-azzurra moderatamente consistente		
	13,00		Argilla grigio-azzurra molto consistente, con rari fini straterelli di materiale vegetale nerastro		

parametri geotecnici stimati

PROFONDITA' (metri)	Qc (Kg/cmq)	Ps (Kg/cmq)	Qc/Ps	Qt (Kgi)	δ (Kg/dmc)	σ_{av} (Kg/cmq)	θ (gradi)	D _r (%)	c _u (Kg/cmq)	m _v (cmq/t)	Colonna Stratig.
0.2					1,80	,04	-	-	-	-	
0.4					1,80	,07	-	-	-	-	
0.6	26,1	1	26	461	1,94	,11	-	-	1,04	15,3	=====
0.8	23,3	1,1	22	503	1,93	,15	-	-	,93	17,2	=====
1.0	21,3	,8	27	473	1,93	,19	-	-	,84	18,8	=====
1.2	13,3	,8	17	433	1,91	,23	-	-	,52	20,4	=====
1.4	9,3	,9	10	373	1,52	,26	-	-	,36	38,5	=====
1.6	9,3	,5	20	363	1,87	,29	-	-	,36	24,4	=====
1.8	11,4	,6	19	384	1,90	,33	-	-	,44	21,8	=====
2.0	13,4	,8	17	464	1,91	,35	-	-	,52	20,3	=====
2.2	17,4	,9	19	584	1,92	,37	-	-	,68	19,4	=====
2.4	16,4	1,1	15	654	1,91	,39	-	-	,64	19,4	=====
2.6	10,4	,6	17	714	1,90	,40	-	-	,40	22,9	=====
2.8	10,5	,6	18	765	1,90	,42	-	-	,40	22,7	=====
3.0	9,5	,5	20	795	1,88	,44	-	-	,36	24,1	=====
3.2	10,5	,6	18	835	1,90	,46	-	-	,40	22,7	=====
3.4	8,5	,5	18	925	1,83	,47	-	-	,32	25,9	=====
3.6	9,5	,5	18	1025	1,88	,49	-	-	,36	24,1	=====
3.8	10,6	,6	18	1086	1,90	,51	-	-	,40	22,6	=====
4.0	8,6	,5	18	1106	1,83	,53	-	-	,32	25,7	=====
4.2	5,6	,4	14	1126	1,49	,54	-	-	,20	54,6	=====
4.4	7,6	,3	23	1166	1,78	,55	-	-	,28	28,0	=====
4.6	9,6	,3	29	1266	1,88	,57	-	-	,36	24,0	=====
4.8	13,7	,3	41	1327	1,67	,58	-	-	,52	18,5	=====
5.0	11,7	,8	15	1367	1,55	,59	-	-	,44	31,7	=====
5.2	13,7	,7	19	1457	1,91	,61	-	-	,52	20,2	=====
5.4	17,7	,9	20	1547	1,92	,63	-	-	,68	19,4	=====
5.6	18,7	1,1	17	1687	1,92	,65	-	-	,72	19,6	=====
5.8	16,9	,9	20	1799	1,92	,67	-	-	,65	19,4	=====
6.0	24,9	,7	37	1879	1,72	,68	-	-	,97	13,4	=====
6.2	16,9	1	17	1979	1,92	,70	-	-	,65	19,4	=====
6.4	18,9	,7	28	2149	1,92	,72	-	-	,73	19,6	=====
6.6	16,9	1,1	16	2319	1,92	,74	-	-	,65	19,4	=====
6.8	17	1,2	14	2380	1,92	,75	-	-	,65	19,4	=====
7.0	16	1,3	13	2540	1,59	,77	-	-	,61	23,1	=====
7.2	17	1	17	2650	1,92	,79	-	-	,65	19,4	=====
7.4	17	1,3	13	2750	1,60	,80	-	-	,65	21,8	=====
7.6	17	1,3	13	2840	1,60	,81	-	-	,65	21,8	=====
7.8	17,2	1,2	14	2932	1,92	,83	-	-	,65	19,4	=====
8.0	14,2	1,2	12	2962	1,57	,84	-	-	,53	26,1	=====
8.2	11,2	,8	14	3012	1,54	,85	-	-	,41	33,1	=====
8.4	13,2	,7	20	3072	1,91	,87	-	-	,49	20,4	=====
8.6	12,2	,9	14	3142	1,55	,88	-	-	,45	30,4	=====
8.8	10,2	,8	13	3172	1,53	,89	-	-	,37	36,3	=====
9.0	11,2	,7	17	3242	1,90	,91	-	-	,41	22,0	=====
9.2	13,2	,6	22	3292	1,91	,93	-	-	,49	20,4	=====
9.4	12,2	,8	15	3322	1,90	,94	-	-	,45	21,1	=====
9.6	11,2	,8	14	3442	1,54	,95	-	-	,41	33,1	=====
9.8	11,2	,7	15	3482	1,90	,97	-	-	,41	22,0	=====
10.0	13,2	,9	15	3542	1,91	,99	-	-	,49	20,4	=====

parametri geotecnici stimati

PROFONDITA' [metri]	Qc [Kg/cmq]	Ps [Kg/cmq]	Qc/Ps	Qt [Kgf]	δ [Kg/dmc]	σ_{ov} [Kg/cmq]	θ [gradi]	B_R [%]	c_u [Kg/cmq]	m_v [cmq/t]	Colonna Stratig.
10.2	14,4	,8	18	3674	1,91	1,01	-	-	,54	19,9	=====
10.4	17,4	1,1	15	3674	1,92	1,03	-	-	,65	19,4	=====
10.6	14,4	,9	17	3744	1,91	1,04	-	-	,53	19,9	=====



letture di compagna

valori derivati

PROFONDITA' [metri]	Rpt [Kg]	Rat [Kg]	Rt [Kg]	Rat-Rpt [Kg]	Ral [Kg/cm ²]	Rp/Ral	Rt-Rpt [Kg]	FI [gradi]	Ir [%]	Cu [Kg/cm ²]	nv [caq/t]
.2	10	20	20	10	.06	15	10			.04	107.97
.4	36	50	90	20	.13	23	40			.12	41.01
.6	90	130	350	50	.33	24	270			.32	22.29
.8	150	200	240	50	.33	45	90			.6	10.14
1	00	160	200	00	.53	15	120			.32	22.29
1.2	70	140	210	70	.46	15	140			.20	23.04
1.4	00	150	200	70	.46	17	200			.32	22.29
1.6	150	250	350	100	.64	23	200			.6	10.14
1.8	140	310	420	170	1.13	12	200			.56	10.4
2	120	200	470	160	1.06	11	350			.40	19.13
2.2	120	260	600	140	.93	13	400			.40	19.13
2.4	170	350	720	160	1.06	16	550			.60	17.75
2.6	200	400	890	200	1.33	15	690			.8	17.36
2.8	220	500	1110	200	1.06	12	890			.80	17.15
3	250	540	1350	290	1.93	13	1000			1	16.03
3.2	230	470	1550	240	1.6	14	1300			.92	17.04
3.4	170	440	1720	270	1.0	9	1550			.60	17.75
3.6	100	420	1920	240	1.6	11	1740			.72	17.6
3.8	210	440	2100	230	1.33	14	1090			.04	17.25
4	260	520	2410	260	1.73	15	2150			1.04	16.72
4.2	290	600	2640	310	2.06	14	2350			1.16	16.35
4.4	300	650	2090	350	2.2	14	2590			1.2	16.21
4.6	200	610	3160	350	2.2	13	2000			1.12	16.40
4.8	300	640	3540	340	2.26	13	3240			1.2	16.21
5	310	640	3790	330	2.2	14	3400			1.24	16.06
5.2	310	640	4100	350	2.33	13	3790			1.24	16.06
5.4	320	600	4510	360	2.4	13	3990			1.20	15.91
5.6	250	610	4700	360	2.4	10	4450			1	16.03
5.8	340	540	4750	200	1.33	26	4410			1.36	15.59
6	100	450	4990	270	1.0	10	4010			.72	17.6
6.2	160	310	5030	150	1	16	4070			.64	17.93
6.4	190	450	5140	240	1.6	12	4970			.76	17.47
6.6	150	390	5220	240	1.6	9	5070			.6	10.14
6.8	160	370	5340	230	1.33	9	5200			.56	10.4
7	160	360	5370	200	1.33	12	5210			.64	17.93
7.2	150	350	5350	200	1.33	11	5200			.6	10.14
7.4	160	360	5300	200	1.33	12	5220			.64	17.93
7.6	120	290	5420	170	1.13	11	5300			.40	19.13
7.8	100	220	5450	120	.0	13	5350			.4	20.3
8	130	260	5530	130	.06	15	5400			.32	10.72

PROFONDITA' (metri)	letture di campagna			valori derivati							
	Rpt (Kg)	Rat (Kg)	Rt (Kg)	Rat-Rpt (Kg)	Ral (Kg/cm ²)	Rp/Ral	Rt-Rpt (Kg)	FI (gradi)	Dr (%)	Cu (Kg/cm ²)	av (ccq/t)
0.2	130	260	3530	130	.86	15	5400			.32	18.72
0.4	150	290	3580	140	.93	16	5430			.6	18.14
0.6	140	300	3610	160	1.06	13	5470			.56	18.4
0.8	130	320	3680	190	1.26	10	5550			.52	18.72
1	130	300	3700	170	1.13	11	5570			.52	18.72
1.2	130	280	3720	150	1	13	5590			.52	18.72
1.4	100	200	3690	100	.66	15	5590			.4	20.3
1.6	80	170	3730	90	.4	15	5650			.32	22.29
1.8	90	180	3750	100	.66	12	5670			.32	22.29
10	80	180	3770	100	.66	12	5690			.32	22.29

LEGENDA : Rpt = res. totale di punta Rat = res. lat. totale del manicotto + res. totale di punta Rt = res. totale Ral = res. laterale Rp = res. di punta
 Rp/Ral = rapporto Begemann FI = angolo di attrito Dr = densita' relativa Cu = coesione utile av = coeff. di compressibilita' volumetrica

PROFONDITA' [metri]	letture di campagna			valori derivati							
	Rpt [Kg]	Rat [Kg]	Rt [Kg]	Rat-Rpt [Kg]	Ral [Kg/caq]	Rp/Ral	Rt-Rpt [Kg]	FI [gradi]	Br [%]	Ca [Kg/caq]	av [caq/t]
.2	50	50	50	20	.13	23	50			.12	41.81
.4	100	120	100	20	.13	75	80	27	9		20.3
.6	160	210	250	50	.33	40	90	25	15		17.93
.8	120	170	200	50	.33	36	80			.40	19.13
1	70	100	140	30	.2	35	90			.20	25.81
1.2	110	150	200	40	.26	41	90			.44	19.64
1.4	90	130	260	40	.26	34	170			.36	21.16
1.6	120	200	310	60	.53	23	190			.40	19.13
1.8	100	100	330	60	.53	19	230			.4	20.3
2	110	190	410	60	.53	21	300			.44	19.64
2.2	120	190	530	70	.46	26	410			.40	19.13
2.4	210	310	720	100	.66	32	510			.64	17.25
2.6	230	370	950	140	.93	25	720			.92	17.84
2.8	260	420	1160	140	1.06	24	900			1.04	16.72
3	230	410	1360	180	1.2	19	1130			.92	17.94
3.2	280	380	1510	180	1.2	17	1310			.8	17.36
3.4	190	330	1640	140	.93	20	1450			.76	17.47
3.6	150	350	1640	180	1.2	13	1690			.6	18.14
3.8	180	330	2810	150	1	18	1430			.72	17.6
4	220	370	2200	150	1	22	1980			.60	17.15
4.2	260	500	2640	240	1.6	16	2380			1.04	16.72
4.4	260	520	2850	260	1.73	15	2590			1.04	16.72
4.6	240	490	3030	250	1.66	14	2790			.96	16.94
4.8	230	470	3240	240	1.6	14	3010			.92	17.84
5	250	480	3420	230	1.53	16	3170			1	16.83
5.2	230	470	3560	240	1.6	14	3330			.92	17.84
5.4	220	440	3690	220	1.46	15	3470			.88	17.15
5.6	210	440	3810	230	1.53	14	3600			.84	17.25
5.8	180	380	3890	200	1.33	14	3710			.72	17.6
6	140	290	3930	150	1	14	3790			.56	18.4
6.2	110	230	4050	120	.8	14	3940			.44	19.64
6.4	110	220	4100	110	.73	15	4030			.44	19.64
6.6	120	220	4250	100	.66	18	4130			.40	19.13
6.8	150	220	4320	70	.46	32	4170			.6	18.14
7	110	220	4400	110	.73	15	4290			.44	19.64
7.2	130	250	4450	120	.8	16	4320			.52	18.72
7.4	100	240	4490	140	.93	11	4390			.4	20.3
7.6	90	210	4550	120	.8	11	4460			.36	21.16
7.8	110	220	4620	110	.73	15	4510			.44	19.64
8	140	280	4780	140	.93	15	4560			.56	18.4

lettura di campagna			valori derivati								
PROFONDITA' (metri)	Rpt (Kg)	Rat (Kg)	Rt (Kg)	Rat-Rpt (Kg)	Ral (Kg/cm ²)	Rp/Ral	Rt-Rpt (Kg)	FI (gradi)	Dr (%)	Du (Kg/cm ²)	av (cm ³ /t)
8.2	140	310	4000	170	1.13	12	4660			.56	18.4
8.4	140	310	4040	170	1.13	12	4700			.56	18.4
8.6	160	310	4910	150	1	16	4750			.64	17.93
8.8	160	340	4940	180	1.2	13	4780			.64	17.93
9	160	350	4940	190	1.26	13	4820			.64	17.93
9.2	140	340	4970	200	1.33	11	4850			.56	18.4
9.4	90	240	5010	150	1	9	4920			.36	21.16
9.6	80	120	5060	40	.26	30	4960			.32	22.29
9.8	70	170	5090	100	.66	11	5020			.28	23.81
10	70	100	5190	110	.73	10	5120			.28	23.81

LEGENDA : Rpt = res. totale di punta Rat = res. lat. totale del manicotto + res. totale di punta Rt = res. totale
 Rp/Ral = rapporto Beynonian FI = angolo di attrito Dr = densita' relativa Du = coesione utile Ral = res. laterale Rp = res. di punta
 av = coeff. di compressibilita' volumetrica

parametri geotecnici stimati

PROFONDITA' (metri)	Qc (kg/cmq)	Ps (kg/cmq)	Qc/Ps	Qt (Kgf)	δ (kg/dmc)	σ_{ov} (kg/cmq)	θ (gradi)	D ₁ (%)	c ₁ (kg/cmq)	n _v (cmq/t)	Colonna Stratig
0.2					1,80	,04	-	-	-	-	
0.4					1,80	,07	-	-	-	-	
0.6	9,1	,3	27	100	1,86	,11	-	-	,36	24,8	=====
0.8	7,3	,4	18	120	1,77	,12	-	-	,29	28,8	=====
1.0	8,3	,5	16	170	1,51	,13	-	-	,33	41,2	=====
1.2	9,3	,7	13	240	1,52	,15	-	-	,37	38,5	=====
1.4	13,3	,7	18	320	1,91	,16	-	-	,53	20,4	=====
1.6	16,3	,8	20	380	1,91	,18	-	-	,64	19,4	=====
1.8	17,4	,8	29	430	1,92	,20	-	-	,69	19,4	=====
2.0	15,4	,9	18	430	1,91	,22	-	-	,61	19,6	=====
2.2	18,4	1,1	16	490	1,92	,24	-	-	,73	19,5	=====
2.4	17,4	1,1	16	530	1,92	,25	-	-	,69	19,4	=====
2.6	15,4	,9	18	600	1,91	,27	-	-	,61	19,6	=====
2.8	12,5	,5	27	660	1,91	,29	-	-	,49	20,9	=====
3.0	9,5	,7	13	710	1,53	,30	-	-	,37	38,1	=====
3.2	11,5	,6	19	760	1,90	,32	-	-	,45	21,7	=====
3.4	11,5	,8	14	790	1,55	,33	-	-	,45	32,2	=====
3.6	10,5	,6	18	870	1,90	,35	-	-	,41	22,7	=====
3.8	9,6	,5	21	900	1,88	,37	-	-	,37	24,0	=====
4.0	7,6	,4	19	920	1,78	,38	-	-	,29	28,0	=====
4.2	11,6	,6	19	960	1,90	,40	-	-	,45	21,6	=====
4.4	11,6	,6	19	990	1,90	,42	-	-	,45	21,6	=====
4.6	13,6	,7	20	1080	1,91	,44	-	-	,53	20,2	=====
4.8	9,7	,6	16	1090	1,89	,45	-	-	,37	23,8	=====
5.0	8,7	,5	19	1070	1,84	,47	-	-	,33	25,5	=====
5.2	6,7	,3	20	1060	1,74	,49	-	-	,25	30,7	=====
5.4	6,7	,3	20	1080	1,74	,50	-	-	,25	30,7	=====
5.6	9,7	,4	24	1210	1,89	,52	-	-	,37	23,8	=====
5.8	11,9	,7	18	1300	1,90	,54	-	-	,45	21,3	=====
6.0	13,9	,9	16	1390	1,91	,55	-	-	,53	20,1	=====
6.2	14,9	,9	16	1490	1,91	,57	-	-	,57	19,7	=====
6.4	14,9	1	15	1520	1,91	,59	-	-	,57	19,7	=====
6.6	9,9	,5	21	1650	1,90	,61	-	-	,37	23,5	=====
6.8	11	,5	24	1720	1,90	,63	-	-	,41	22,2	=====
7.0	11	,6	18	1780	1,90	,64	-	-	,41	22,2	=====
7.2	14	,7	21	1840	1,91	,66	-	-	,53	20,0	=====
7.4	15	,9	16	1930	1,91	,68	-	-	,57	19,7	=====
7.6	17	,9	20	2110	1,92	,70	-	-	,65	19,4	=====
7.8	15,2	1,1	14	2180	1,91	,72	-	-	,58	19,6	=====
8.0	16,2	1,2	14	2300	1,59	,73	-	-	,62	22,9	=====
8.2	18,2	1	18	2400	1,92	,75	-	-	,70	19,5	=====
8.4	21,2	1,3	16	2470	1,92	,77	-	-	,82	18,9	=====
8.6	18,2	,7	27	2600	1,92	,78	-	-	,70	19,5	=====
8.8	15,2	1,3	11	2640	1,58	,80	-	-	,58	24,4	=====
9.0	17,2	1,1	15	2700	1,92	,81	-	-	,66	19,4	=====
9.2	19,2	1,2	16	2770	1,92	,83	-	-	,73	19,7	=====
9.4	20,2	1	20	2810	1,92	,85	-	-	,77	19,8	=====
9.6	19,2	1,1	18	2920	1,92	,87	-	-	,73	19,7	=====
9.8	18,2	,9	20	3030	1,92	,89	-	-	,69	19,5	=====
10.0	20,2	,9	22	3100	1,92	,91	-	-	,77	19,8	=====

parametri geotecnici stimati

PROFONDITA' (metri)	qc (Kg/cmq)	Fs (Kg/cmq)	qc/Fs	Qt (kgf)	δ (Kg/dmc)	σ_{ov} (Kg/cmq)	θ (gradi)	D _R (%)	C _u (Kg/cmq)	M _v (cmq/t)	Colonna Stratig
0.2					1,80	,04	-	-	-	-	
0.4					1,80	,07	-	-	-	-	
0.6	15,1	,4	38	260	1,68	,11	-	-	,60	17,7	*****
0.8	11,3	,7	15	520	1,90	,12	-	-	,45	21,9	*****
1.0	15,3	,5	29	280	1,91	,14	-	-	,61	19,6	*****
1.2	9,3	,5	17	310	1,87	,16	-	-	,37	24,4	*****
1.4	21,3	1,1	20	420	1,93	,18	-	-	,84	18,8	*****
1.6	18,3	,2	92	460	1,69	,19	37	47	-	16,7	*****
1.8	16,4	,8	21	480	1,91	,21	-	-	,65	19,4	*****
2.0	15,4	,5	29	550	1,91	,23	-	-	,61	19,6	*****
2.2	16,4	,9	18	570	1,91	,25	-	-	,65	19,4	*****
2.4	12,4	,7	19	590	1,91	,26	-	-	,49	20,9	*****
2.6	9,4	,7	14	670	1,52	,27	-	-	,37	38,3	*****
2.8	10,5	,5	23	720	1,90	,29	-	-	,41	22,7	*****
3.0	8,5	,5	16	750	1,83	,31	-	-	,33	25,9	*****
3.2	6,5	,3	20	820	1,73	,32	-	-	,25	31,4	*****
3.4	8,5	,3	32	830	1,83	,34	-	-	,33	25,9	*****
3.6	6,5	,5	12	870	1,50	,35	-	-	,25	48,8	*****
3.8	6,6	,3	20	910	1,73	,36	-	-	,25	31,0	*****
4.0	7,6	,3	29	950	1,78	,38	-	-	,29	28,0	*****
4.2	7,6	,3	29	970	1,78	,40	-	-	,29	28,0	*****
4.4	7,6	,2	38	1030	1,64	,41	-	-	,29	27,1	*****
4.6	5,6	,2	28	1080	1,68	,42	-	-	,21	35,3	*****
4.8	11,7	,3	44	1080	1,66	,44	-	-	,45	20,1	*****
5.0	4,7	,4	12	1100	1,48	,45	-	-	,17	62,8	*****
5.2	5,7	,3	21	1170	1,69	,46	-	-	,21	34,8	*****
5.4	6,7	,3	20	1210	1,74	,47	-	-	,25	30,7	*****
5.6	10,7	,3	40	1390	1,65	,49	-	-	,41	21,3	*****
5.8	16,9	,6	28	1440	1,92	,50	-	-	,66	19,4	*****
6.0	14,9	,9	16	1540	1,91	,52	-	-	,58	19,7	*****
6.2	13,9	,7	19	1640	1,91	,54	-	-	,53	20,1	*****
6.4	12,9	,8	16	1710	1,91	,56	-	-	,49	20,6	*****
6.6	15,9	,5	34	1850	1,68	,57	-	-	,61	17,4	*****
6.8	13	,7	20	1920	1,91	,59	-	-	,50	20,5	*****
7.0	14	,8	18	2030	1,91	,61	-	-	,54	20,0	*****
7.2	14	,8	18	2150	1,91	,63	-	-	,53	20,0	*****
7.4	14	,8	18	2270	1,91	,65	-	-	,53	20,0	*****
7.6	15	,9	17	2410	1,91	,66	-	-	,57	19,7	*****
7.8	16,2	,8	20	2500	1,91	,68	-	-	,62	19,4	*****
8.0	14,2	,9	16	2580	1,91	,70	-	-	,54	19,9	*****
8.2	15,2	,7	23	2650	1,91	,72	-	-	,58	19,6	*****
8.4	14,2	,8	18	2730	1,91	,74	-	-	,54	19,9	*****
8.6	14,2	,7	19	2820	1,91	,75	-	-	,54	19,9	*****
8.8	14,2	,7	19	2870	1,91	,77	-	-	,54	19,9	*****
9.0	11,2	,4	28	2940	1,90	,79	-	-	,42	22,0	*****
9.2	12,2	,4	31	3020	1,90	,81	-	-	,46	21,1	*****
9.4	11,2	,5	24	3110	1,90	,83	-	-	,41	22,0	*****
9.6	15,2	,5	29	3200	1,91	,85	-	-	,57	19,6	*****
9.8	16,2	,8	20	3320	1,91	,86	-	-	,61	19,4	*****
10.0	16,2	,7	22	3420	1,91	,88	-	-	,61	19,4	*****

parametri geotecnici stimati

PROFONDITA' (metri)	Qc (Kg/cmq)	Fs (Kg/cmq)	Qc/Fs	Qt (Kgr)	δ (Kg/dmc)	σ_{av} (Kg/cmq)	ϕ (gradi)	D _R (%)	c _v (Kg/cmq)	n _v (cmq/t)	Colonna Stratig
10.2	15,4	,8	19	3490	1,91	,92	-	-	,58	19,6	=====
10.4	16,4	,5	31	3570	1,91	,96	-	-	,62	19,4	=====
10.6	17,4	,7	24	3790	1,92	,99	-	-	,66	19,4	=====
10.8	17,6	,9	19	3820	1,92	1,01	-	-	,66	19,4	=====
11.0	17,6	,9	20	3900	1,92	1,03	-	-	,66	19,4	=====
11.2	17,6	,7	24	3970	1,92	1,05	-	-	,66	19,4	=====
11.4	17,6	,7	24	4030	1,92	1,07	-	-	,66	19,4	=====
11.6	18,6	,5	40	4120	1,69	1,08	-	-	,70	16,7	=====
11.8	18,7	,7	28	4210	1,92	1,10	-	-	,70	19,6	=====
12.0	18,7	,7	26	4330	1,92	1,12	-	-	,70	19,6	=====

parametri geotecnici stimati

PROFUNDITATE [metri]	Qc [Kg/cmq]	fs [Kg/cmq]	Qc/fs	Qt [Kgf]	$\bar{\sigma}$ [Kg/dmc]	σ_{nv} [Kg/cmq]	ϕ [gradi]	β_1 [%]	c_1 [Kg/cmq]	μ_v [cmq/t]	Coloana Stratiș
0.2					1,80	,04	-	-	-	-	
0.4					1,80	,07	-	-	-	-	
0.6	9,1	,3	27	180	1,86	,11	-	-	,36	24,8	#####
0.8	13,3	,4	33	260	1,91	,13	-	-	,53	20,4	#####
1.0	13,3	,7	20	330	1,91	,15	-	-	,53	20,4	#####
1.2	13,3	,7	20	400	1,91	,16	-	-	,53	20,4	#####
1.4	12,3	,7	18	450	1,91	,18	-	-	,48	21,0	#####
1.6	13,3	,7	20	530	1,91	,20	-	-	,52	20,4	#####
1.8	14,4	,6	24	610	1,91	,22	-	-	,57	19,9	#####
2.0	15,4	,4	39	670	1,68	,23	-	-	,61	17,6	#####
2.2	46,4	1,5	30	700	1,83	,25	30	-	-	7,2	#####
2.4	13,4	,7	20	780	1,91	,27	-	-	,53	20,3	#####
2.6	11,4	,6	19	790	1,90	,28	-	-	,44	21,8	#####
2.8	11,5	,5	25	890	1,90	,30	-	-	,45	21,7	#####
3.0	12,5	,3	38	920	1,66	,32	-	-	,49	19,4	#####
3.2	8,5	,5	18	960	1,83	,33	-	-	,33	25,9	#####
3.4	10,5	,4	26	1050	1,90	,35	-	-	,41	22,7	#####
3.6	10,5	,4	26	1040	1,90	,37	-	-	,41	22,7	#####
3.8	10,6	,3	32	1100	1,90	,39	-	-	,41	22,6	#####
4.0	10,6	,3	32	1110	1,90	,40	-	-	,41	22,6	#####
4.2	14,6	,6	24	1140	1,91	,42	-	-	,57	19,8	#####
4.4	9,6	,4	24	1170	1,88	,44	-	-	,37	24,0	#####
4.6	8,6	,3	26	1170	1,83	,46	-	-	,33	25,7	#####
4.8	6,7	,3	20	1190	1,74	,47	-	-	,25	30,7	#####
5.0	7,7	,3	23	1230	1,79	,49	-	-	,29	27,7	#####
5.2	10,7	,5	23	1300	1,90	,51	-	-	,41	22,5	#####
5.4	11,7	,6	20	1370	1,90	,52	-	-	,45	21,5	#####
5.6	12,7	,6	21	1480	1,91	,54	-	-	,49	20,7	#####
5.8	14,9	,5	32	1580	1,91	,56	-	-	,57	19,7	#####
6.0	14,9	,6	25	1670	1,91	,58	-	-	,57	19,7	#####
6.2	12,9	,8	16	1730	1,91	,60	-	-	,49	20,6	#####
6.4	11,9	,7	16	1810	1,90	,61	-	-	,45	21,3	#####
6.6	11,9	,7	18	1850	1,90	,63	-	-	,45	21,3	#####
6.8	13	,7	18	2010	1,91	,65	-	-	,49	20,5	#####
7.0	18	,9	21	2070	1,92	,67	-	-	,69	19,5	#####
7.2	16	1,1	14	2170	1,91	,69	-	-	,61	19,5	#####
7.4	14	,3	42	2250	1,67	,70	-	-	,53	18,3	#####
7.6	13	,9	15	2380	1,91	,72	-	-	,49	20,5	#####
7.8	15,2	,7	21	2510	1,91	,74	-	-	,58	19,6	#####
8.0	16,2	,9	17	2600	1,91	,75	-	-	,62	19,4	#####
8.2	14,2	,9	15	2690	1,91	,77	-	-	,54	19,9	#####
8.4	13,2	,7	18	2760	1,91	,79	-	-	,50	20,4	#####
8.6	14,2	,7	19	2870	1,91	,81	-	-	,54	19,9	#####
8.8	13,2	,7	18	2950	1,91	,83	-	-	,49	20,4	#####
9.0	12,2	,7	18	2960	1,90	,85	-	-	,45	21,1	#####
9.2	14,2	,5	27	3040	1,91	,86	-	-	,53	19,9	#####
9.4	17,2	,9	18	3120	1,92	,88	-	-	,65	19,4	#####
9.6	16,2	,8	20	3170	1,91	,90	-	-	,61	19,4	#####
9.8	15,2	,9	16	3290	1,91	,92	-	-	,57	19,6	#####
10.0	14,2	1	14	3370	1,91	,94	-	-	,53	19,9	#####

parametri geotecnici stimati

PROFONDITA' [metri]	qc [Kg/cmq]	Fs [Kg/cmq]	Qc/Fs	Qt [Kgr]	δ [Kg/dmc]	σ_{qv} [Kg/cmq]	\varnothing [gradi]	D ₁ [%]	c _e [Kg/cmq]	m _v [cmq/t]	Colonna Stratig
0,2					1,80	,04	-	-	-	-	
0,4					1,80	,07	-	-	-	-	
0,6	15,1	,4	38	250	1,68	,11	-	-	,60	17,7	#####
0,8	10,3	,4	26	230	1,90	,12	-	-	,41	23,0	#####
1,0	9,3	,5	20	210	1,87	,14	-	-	,37	24,4	#####
1,2	9,3	,5	20	250	1,87	,16	-	-	,37	24,4	#####
1,4	11,3	,5	24	300	1,90	,18	-	-	,44	21,9	#####
1,6	14,3	,6	24	390	1,91	,19	-	-	,56	19,9	#####
1,8	11,4	,5	24	380	1,90	,21	-	-	,45	21,8	#####
2,0	10,4	,5	20	430	1,90	,23	-	-	,41	22,9	#####
2,2	13,4	,7	20	470	1,91	,25	-	-	,53	20,3	#####
2,4	12,4	,6	21	520	1,91	,27	-	-	,49	20,9	#####
2,6	10,4	,7	16	570	1,90	,28	-	-	,40	22,9	#####
2,8	10,5	,6	18	630	1,90	,30	-	-	,41	22,7	#####
3,0	7,5	,5	28	660	1,78	,32	-	-	,29	28,2	#####
3,2	8,5	,5	18	700	1,83	,33	-	-	,33	25,9	#####
3,4	9,5	,4	24	740	1,88	,35	-	-	,37	24,1	#####
3,6	10,5	,6	18	810	1,90	,37	-	-	,41	22,7	#####
3,8	10,6	,7	16	850	1,90	,39	-	-	,41	22,6	#####
4,0	10,6	,5	20	920	1,90	,41	-	-	,41	22,6	#####
4,2	10,6	,5	20	950	1,90	,42	-	-	,41	22,6	#####
4,4	8,6	,5	18	980	1,83	,44	-	-	,33	25,7	#####
4,6	10,6	,3	32	1030	1,90	,46	-	-	,41	22,6	#####
4,8	6,7	,3	20	1050	1,74	,47	-	-	,25	30,7	#####
5,0	6,7	,4	17	1090	1,50	,48	-	-	,25	47,7	#####
5,2	7,7	,3	29	1150	1,79	,50	-	-	,29	27,7	#####
5,4	10,7	,5	23	1220	1,90	,52	-	-	,41	22,5	#####
5,6	11,7	,6	20	1320	1,90	,54	-	-	,45	21,5	#####
5,8	14,9	,6	25	1440	1,91	,55	-	-	,57	19,7	#####
6,0	15,9	1	16	1490	1,91	,57	-	-	,61	19,5	#####
6,2	12,9	,8	16	1560	1,91	,59	-	-	,49	20,6	#####
6,4	11,9	,9	14	1640	1,55	,60	-	-	,45	31,1	#####
6,6	12,9	,7	18	1740	1,91	,62	-	-	,49	20,6	#####
6,8	16	,7	22	1760	1,91	,64	-	-	,61	19,5	#####
7,0	14	1,3	11	1850	1,57	,65	-	-	,53	26,5	#####
7,2	13	,9	14	1920	1,56	,66	-	-	,49	28,5	#####
7,4	13	,6	22	1960	1,91	,68	-	-	,49	20,5	#####
7,6	10	,7	14	2080	1,53	,69	-	-	,37	37,0	#####
7,8	13,2	,6	22	2190	1,91	,71	-	-	,50	20,4	#####
8,0	14,2	,7	21	2300	1,91	,73	-	-	,54	19,9	#####
8,2	14,2	,8	18	2390	1,91	,74	-	-	,54	19,9	#####
8,4	13,2	,7	18	2440	1,91	,76	-	-	,50	20,4	#####
8,6	12,2	,9	13	2550	1,55	,77	-	-	,46	30,4	#####
8,8	12,2	,7	17	2590	1,90	,79	-	-	,46	21,1	#####
9,0	11,2	,5	24	2650	1,90	,81	-	-	,42	22,0	#####
9,2	14,2	,6	20	2690	1,90	,83	-	-	,45	21,1	#####
9,4	12,2	,6	20	2770	1,90	,84	-	-	,45	21,1	#####
9,6	13,2	,7	18	2830	1,91	,86	-	-	,49	20,4	#####
9,8	12,2	,7	17	2900	1,90	,88	-	-	,45	21,1	#####
10,0	12,2	,7	17	2950	1,90	,90	-	-	,45	21,1	#####

parametri geotecnici stimati

PROFONDITA' (metri)	Qc (kg/cmq)	Fs (kg/cmq)	Qc/Fs	Qt (kgf)	δ (kg/dmq)	σ_{ov} (kg/cmq)	θ (gradi)	D _R (%)	C _n (kg/cmq)	B _v (cmq/t)	Colonna Stratig.
10.2	12,4	,8	16	3020	1,91	,92	-	-	,46	20,9	=====
10.4	14,4	,7	22	3080	1,91	,94	-	-	,54	19,9	=====
10.6	17,4	,8	22	3210	1,92	,95	-	-	,66	19,4	=====
10.8	18,6	,1	19	3340	1,92	,97	-	-	,71	19,6	=====
11.0	16,6	1,1	16	3450	1,91	,99	-	-	,62	19,4	=====
11.2	13,6	1,1	13	3560	1,57	1,00	-	-	,50	27,2	=====
11.4	14,6	,7	20	3580	1,91	1,02	-	-	,54	19,8	=====
11.6	16,6	,8	21	3710	1,91	1,04	-	-	,62	19,4	=====
11.8	16,7	,9	18	3850	1,91	1,06	-	-	,63	19,4	=====
12.0	18,7	,1	19	3930	1,92	1,08	-	-	,70	19,6	=====
12.2	15,7	1,1	14	4010	1,59	1,09	-	-	,58	23,6	=====
12.4	16,7	,9	18	4090	1,91	1,11	-	-	,62	19,4	=====
12.6	19,7	,7	27	4190	1,92	1,12	-	-	,74	19,9	=====
12.8	20,8	,8	26	4300	1,92	1,14	-	-	,79	19,2	=====
13.0	19,8	,7	27	4410	1,92	1,16	-	-	,75	19,9	=====
13.2	20,8	,9	22	4520	1,92	1,18	-	-	,78	19,2	=====
13.4	19,8	,9	21	4610	1,92	1,20	-	-	,74	19,9	=====
13.6	15,8	,9	17	4690	1,91	1,22	-	-	,58	19,5	=====
13.8	13,9	,7	19	4680	1,91	1,23	-	-	,51	20,1	=====
14.0	10,9	,5	20	4670	1,90	1,25	-	-	,39	22,3	=====
14.2	9,9	,3	30	4670	1,90	1,27	-	-	,35	23,5	=====
14.4	8,9	,3	27	4680	1,85	1,29	-	-	,30	25,1	=====
14.6	10,9	,3	41	4720	1,65	1,30	-	-	,38	21,0	=====
14.8	11,1	,4	28	4760	1,90	1,32	-	-	,39	22,1	=====
15.0	15,1	,4	38	4870	1,68	1,33	-	-	,55	17,7	=====
15.2	19,1	,5	36	4980	1,70	1,35	-	-	,71	16,7	=====
15.4	21,1	,9	24	5110	1,92	1,36	-	-	,79	19,0	=====
15.6	22,1	1,1	20	5320	1,93	1,38	-	-	,83	18,1	=====
15.8	24,2	1,2	20	5430	1,93	1,40	-	-	,91	16,5	=====
16.0	23,2	1,2	19	5560	1,93	1,42	-	-	,87	17,2	=====
16.2	25,2	,9	27	5680	1,93	1,44	-	-	,95	15,9	=====
16.4	25,2	1,2	21	5840	1,93	1,46	-	-	,95	15,9	=====
16.6	22,2	1,3	17	6040	1,93	1,48	-	-	,83	18,0	=====
16.8	20,3	1,1	19	6220	1,92	1,49	-	-	,75	19,7	=====
17.0	22,3	1,1	20	6370	1,93	1,51	-	-	,83	17,9	=====
17.2	28,3	1,1	27	6570	1,94	1,53	-	-	1,07	14,1	=====
17.4	23,3	1,4	17	6560	1,93	1,55	-	-	,87	17,2	=====
17.6	11,3	,8	14	6720	1,54	1,56	-	-	,39	32,8	=====
17.8	17,5	,5	38	6660	1,69	1,58	-	-	,64	16,9	=====
18.0	14,5	,3	44	6710	1,67	1,59	-	-	,52	18,0	=====
18.2	20,5	,4	51	6720	1,70	1,60	28	3	-	16,3	=====
18.4	20,5	,5	44	6750	1,70	1,62	-	-	,76	16,3	=====
18.6	17,5	,7	26	6810	1,92	1,63	-	-	,63	19,4	=====
18.8	23,6	,7	32	6890	1,72	1,65	-	-	,88	14,1	=====
19.0	29,6	,8	37	7040	1,75	1,66	28	-	-	11,3	=====
19.2	31,6	,1	32	2140	1,76	1,68	29	-	-	10,5	=====
19.4	44,6	1,5	30	7270	1,82	1,70	30	-	-	7,5	=====
19.6	49,6	1,3	39	7570	1,85	1,71	31	-	-	6,7	=====

LETTURE DI CAMPAGNA				VALORI DERIVATI							
prof.	A	B	T	Rp	Rf	Rp/Rf	Ø	Dr	cu	mv	
0.20	76	--	230	7.6	--	--	-	--	--	--	
0.40	150	--	430	15.0	--	--	-	--	--	--	
0.60	330	460	460	33.0	0.87	38.08	29	50	0.00	0.010	
0.80	260	360	730	26.0	0.67	39.00	29	45	0.00	0.013	
1.00	260	530	1000	26.0	1.80	14.44	0	0	1.30	0.015	
1.20	340	530	870	34.0	1.27	26.84	26	51	0.00	0.010	
1.40	270	540	3200	27.0	1.80	15.00	0	0	1.35	0.015	
1.60	2000	2500	160	200.0	3.33	60.00	35	68	0.00	0.003	
1.80	600	1000	1500	60.0	2.67	22.50	0	0	2.40	0.006	
2.00	770	1100	2700	77.0	2.20	35.00	29	66	0.00	0.004	
2.20	680	1090	1500	68.0	2.73	24.88	26	64	0.00	0.005	
2.40	600	860	1800	60.0	1.73	34.62	28	62	0.00	0.006	
2.60	530	1000	1800	53.0	3.13	16.91	0	0	2.12	0.006	
2.80	700	1220	2500	70.0	3.47	20.19	0	0	2.80	0.005	
3.00	800	1000	2300	80.0	1.33	60.00	33	55	0.00	0.008	
3.20	800	1200	2300	80.0	2.67	30.00	28	67	0.00	0.004	
3.40	850	1230	2350	85.0	2.53	33.55	29	68	0.00	0.004	
3.60	920	1400	2600	92.0	3.20	28.75	27	69	0.00	0.004	
3.80	850	1230	2800	85.0	2.53	33.55	29	68	0.00	0.004	
4.00	640	1200	2300	64.0	3.73	17.14	0	0	2.56	0.005	
4.20	560	900	1900	56.0	2.27	24.71	26	60	0.00	0.006	
4.40	890	1300	1900	89.0	2.73	32.56	29	68	0.00	0.004	
4.60	670	900	2000	67.0	1.53	43.70	30	51	0.00	0.005	
4.80	800	1050	1900	80.0	1.67	48.00	32	55	0.00	0.004	
5.00	610	1250	1500	61.0	4.27	14.30	0	0	3.05	0.007	
5.20	330	610	1700	33.0	1.87	17.68	0	0	1.32	0.010	
5.40	1100	1350	1600	110.0	1.67	66.00	34	61	0.00	0.006	
5.60	450	900	1300	45.0	3.00	15.00	0	0	2.25	0.009	
5.80	550	1020	2400	55.0	3.13	17.55	0	0	2.20	0.006	
6.00	1000	1400	2000	100.0	2.67	37.50	31	70	0.00	0.003	
6.20	425	900	1800	42.5	3.17	13.42	0	0	2.13	0.009	
6.40	320	600	2500	32.0	1.87	17.14	0	0	1.28	0.010	
6.60	700	900	1650	70.0	1.33	52.50	32	52	0.00	0.010	
6.80	400	990	1600	40.0	3.93	10.17	0	0	2.67	0.008	
7.00	430	850	3400	43.0	2.80	15.36	0	0	2.15	0.009	
7.20	1200	1600	1600	120.0	2.67	45.00	32	62	0.00	0.003	
7.40	470	930	1300	47.0	3.07	15.33	0	0	2.35	0.009	
7.60	390	880	1600	39.0	3.27	11.94	0	0	2.60	0.009	

Quota : p.c.

Livello di falda :

LETTURE DI CAMPAGNA				VALORI DERIVATI							
prof.	A	B	T	Rp	Rf	Rp/Rf	Ø	Dr	cu	mv	
0.20	300	--	330	30.0	--	--	-	--	--	--	
0.40	310	--	500	31.0	--	--	-	--	--	--	
0.60	180	230	500	18.0	0.33	54.00	30	23	0.00	0.028	
0.80	200	240	610	20.0	0.27	75.00	32	25	0.00	0.025	
1.00	190	370	600	19.0	1.20	15.83	0	0	0.95	0.015	
1.20	220	430	1000	22.0	1.40	15.71	0	0	1.10	0.018	
1.40	430	550	900	43.0	0.80	53.75	31	41	0.00	0.012	
1.60	300	630	1000	30.0	2.20	13.64	0	0	1.50	0.013	
1.80	440	620	1020	44.0	1.20	36.67	29	56	0.00	0.008	
2.00	360	590	1000	36.0	1.53	23.48	0	0	1.44	0.009	
2.20	410	600	1260	41.0	1.27	32.37	28	55	0.00	0.008	
2.40	560	720	1600	56.0	1.07	52.50	31	46	0.00	0.012	
2.60	900	1100	1600	90.0	1.33	67.50	34	57	0.00	0.007	
2.80	430	900	1400	43.0	3.13	13.72	0	0	2.15	0.009	
3.00	380	690	1500	38.0	2.07	18.39	0	0	1.52	0.009	
3.20	360	750	1410	36.0	2.60	13.85	0	0	1.80	0.011	
3.40	370	700	1100	37.0	2.20	16.82	0	0	1.48	0.009	
3.60	420	700	1300	42.0	1.87	22.50	0	0	1.68	0.008	
3.80	490	680	1300	49.0	1.27	38.68	30	58	0.00	0.007	
4.00	400	560	1000	40.0	1.07	37.50	29	55	0.00	0.008	
4.20	330	420	1400	33.0	0.60	55.00	30	35	0.00	0.015	
4.40	500	650	1200	50.0	1.00	50.00	31	44	0.00	0.013	
4.60	470	700	1200	47.0	1.53	30.65	27	57	0.00	0.007	
4.80	210	440	1000	21.0	1.53	13.70	0	0	1.05	0.019	
5.00	280	590	900	28.0	2.07	13.55	0	0	1.40	0.014	
5.20	330	500	800	33.0	1.13	29.12	26	50	0.00	0.010	
5.40	400	660	1300	40.0	1.73	23.08	0	0	1.60	0.008	
5.60	720	1100	2000	72.0	2.53	28.42	27	65	0.00	0.005	
5.80	920	1100	1460	92.0	1.20	76.67	35	58	0.00	0.007	
6.00	360	740	1500	36.0	2.53	14.21	0	0	1.80	0.011	
6.20	600	950	1650	60.0	2.33	25.71	26	62	0.00	0.006	
6.40	340	550	1200	34.0	1.40	24.29	25	51	0.00	0.010	
6.60	380	790	1220	38.0	2.73	13.90	0	0	1.90	0.011	
6.80	360	650	1220	36.0	1.93	18.62	0	0	1.44	0.009	
7.00	380	720	1400	38.0	2.27	16.76	0	0	1.52	0.009	
7.20	600	700	1000	60.0	0.67	90.00	34	37	0.00	0.011	
7.40	300	570	1000	30.0	1.80	16.67	0	0	1.20	0.011	
7.60	430	740	1100	43.0	2.07	20.81	0	0	1.72	0.008	

Quota : p.c.

Livello di falda :

PROVA PENETROMETRICA STATICA

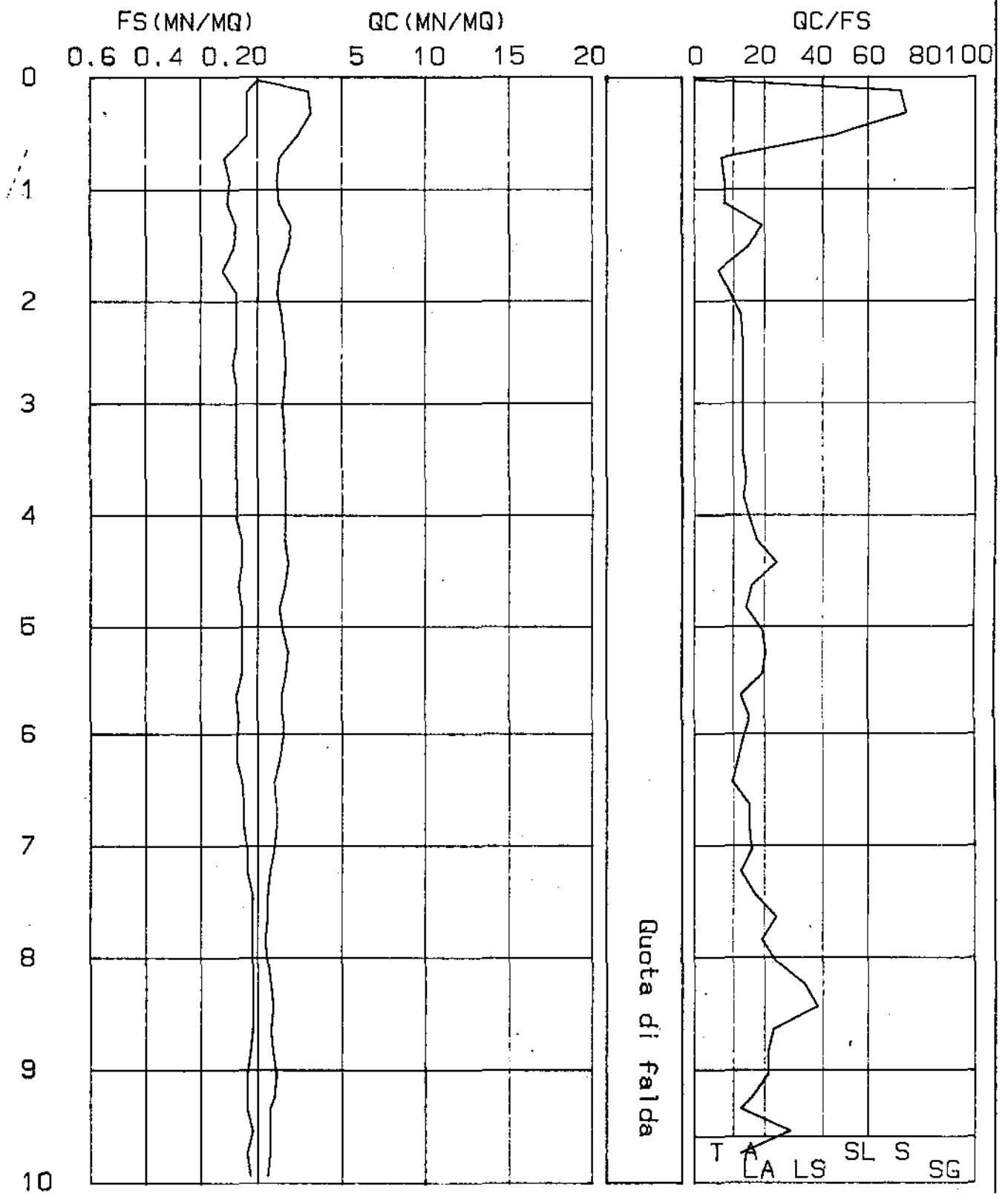
CERTIFICATO N.RO : 245-AA

CANTIERE : AMPLIAMENTO FABBRICATO

I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I	PROF.	QC	RL	FS.	X	I
I	0.00	1	1	0.00	0.00	I	10.00	6	11	0.33	18.18	I						I
I	0.20	30	36	0.40	75.00	I	10.20	7	11	0.27	25.93	I						I
I	0.40	31	37	0.40	77.50	I	10.40	8	12	0.27	29.63	I						I
I	0.60	24	31	0.47	51.06	I	10.60	11	16	0.33	33.33	I						I
I	0.80	13	32	1.27	10.24	I						I						I
I	1.00	12	28	1.07	11.21	I						I						I
I	1.20	13	30	1.13	11.50	I						I						I
I	1.40	20	32	0.80	25.00	I						I						I
I	1.60	18	32	0.93	19.35	I						I						I
I	1.80	13	33	1.33	9.77	I						I						I
I	2.00	12	25	0.87	13.79	I						I						I
I	2.20	14	26	0.80	17.50	I						I						I
I	2.40	16	29	0.87	18.39	I						I						I
I	2.60	17	31	0.93	18.28	I						I						I
I	2.80	16	29	0.87	18.39	I						I						I
I	3.00	15	27	0.80	18.75	I						I						I
I	3.20	16	27	0.87	18.39	I						I						I
I	3.40	16	29	0.87	18.39	I						I						I
I	3.60	17	30	0.87	19.54	I						I						I
I	3.80	16	29	0.87	18.39	I						I						I
I	4.00	16	28	0.80	20.00	I						I						I
I	4.20	16	26	0.67	23.88	I						I						I
I	4.40	18	27	0.60	30.00	I						I						I
I	4.60	16	27	0.73	21.92	I						I						I
I	4.80	13	23	0.67	19.40	I						I						I
I	5.00	15	24	0.60	25.00	I						I						I
I	5.20	18	28	0.67	26.87	I						I						I
I	5.40	17	27	0.67	25.37	I						I						I
I	5.60	14	26	0.80	17.50	I						I						I
I	5.80	15	26	0.73	20.55	I						I						I
I	6.00	15	27	0.80	18.75	I						I						I
I	6.20	13	25	0.80	16.25	I						I						I
I	6.40	10	20	0.67	14.93	I						I						I
I	6.60	11	19	0.53	20.75	I						I						I
I	6.80	11	19	0.53	20.75	I						I						I
I	7.00	10	17	0.47	21.28	I						I						I
I	7.20	7	13	0.40	17.50	I						I						I
I	7.40	6	10	0.27	22.22	I						I						I
I	7.60	6	9	0.20	30.00	I						I						I
I	7.80	5	8	0.20	25.00	I						I						I
I	8.00	6	9	0.20	30.00	I						I						I
I	8.20	8	11	0.20	40.00	I						I						I
I	8.40	9	12	0.20	45.00	I						I						I
I	8.60	8	12	0.27	29.63	I						I						I
I	8.80	9	14	0.33	27.27	I						I						I
I	9.00	11	17	0.40	27.50	I						I						I
I	9.20	10	17	0.47	21.28	I						I						I
I	9.40	7	13	0.40	17.50	I						I						I
I	9.60	7	10	0.20	35.00	I						I						I
I	9.80	7	13	0.40	17.50	I						I						I

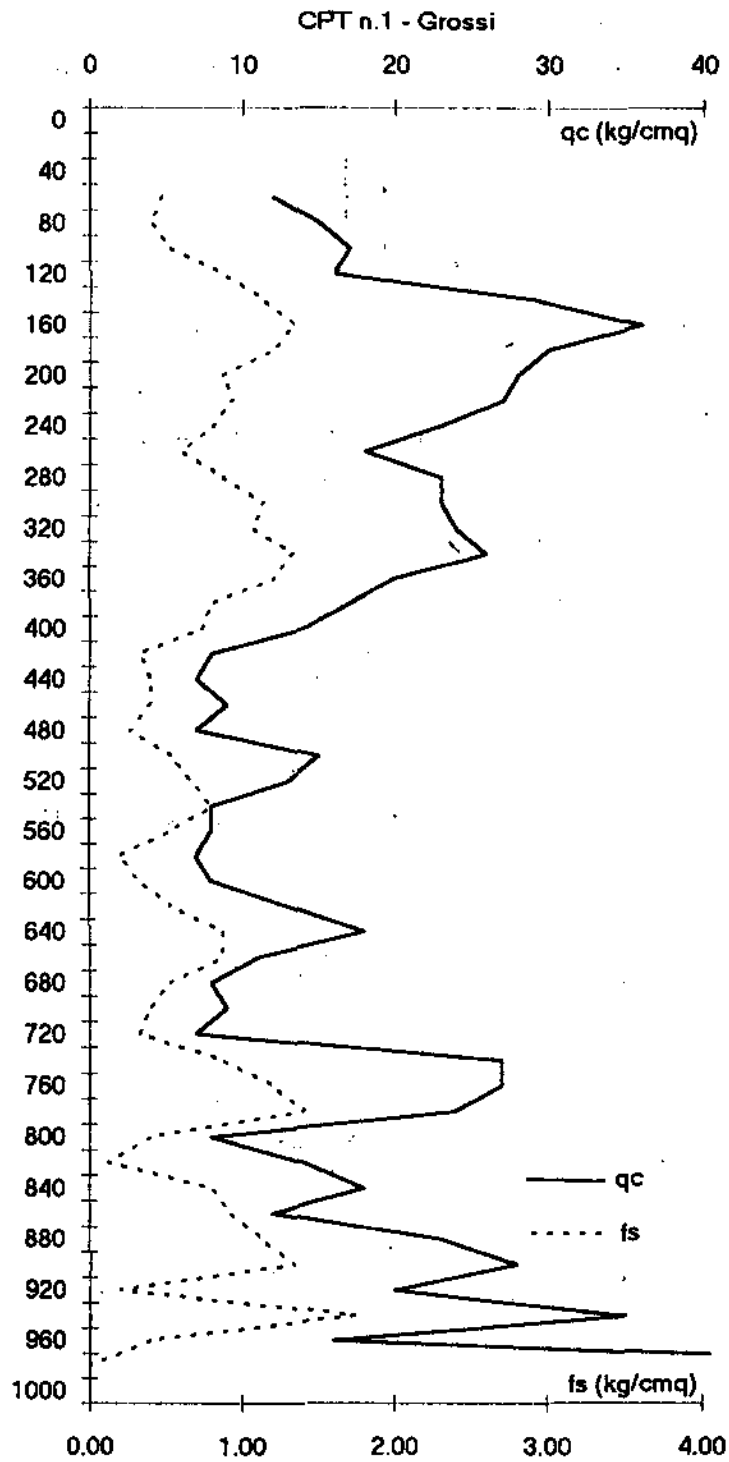
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 QC = RESISTENZA SPECIFICA ALLA PUNTA dN/cmq X = RAPPORTO QC/FS %
 RL = RESISTENZA LATERALE TOTALE dN/cmq

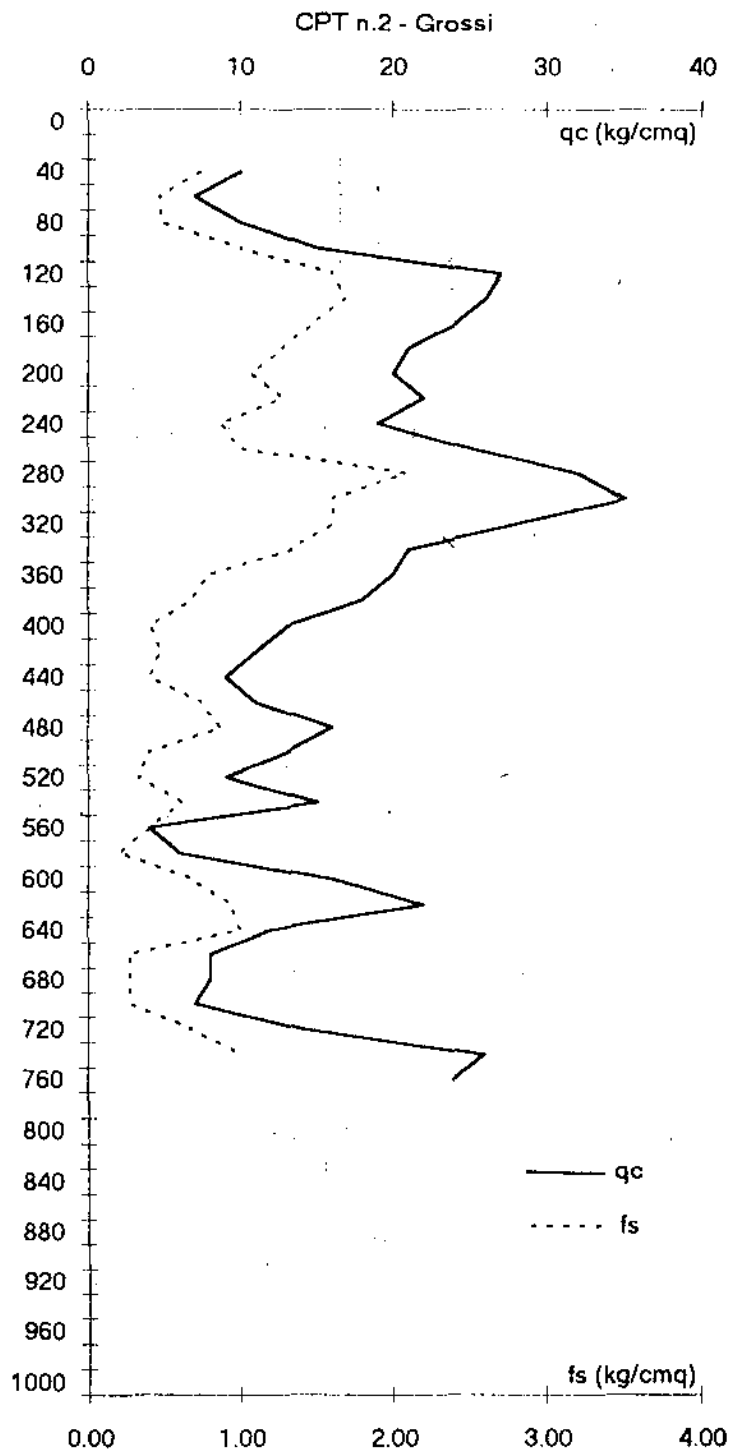
LITOLOGIA : T=TORBE A=ARGILLA LA=LIMI ARGILLOSI LS=LIMI SABBIOSI SL=SABBIE LIMOSE
 S=SABBIE SG=SABBIE E GHIAIA AG=TERRENO AGRICOLO



Prof	Rpt	Rat	Rtot	Rp	Ral	Rp/Ral	Fr	Dr	Cu	mv	
0.2	110	160	200	11	0.33	33	3.03	22	67	.	30.3
0.4	130	200	400	13	0.47	28	3.59	.	.	0.65	19.2
0.6	140	220	500	14	0.53	26	3.81	.	.	0.70	17.9
0.8	120	220	500	12	0.67	18	5.56	.	.	0.60	16.7
1.0	130	210	500	13	0.53	24	4.10	.	.	0.65	15.4
1.2	130	220	500	13	0.60	22	4.62	.	.	0.65	15.4
1.4	80	190	600	8	0.73	11	9.17	.	.	0.40	31.3
1.6	90	170	600	9	0.53	17	5.93	.	.	0.45	22.2
1.8	110	170	650	11	0.40	27	3.64	.	.	0.55	22.7
2.0	140	200	700	14	0.40	35	2.86	23	26	.	23.8
2.2	170	270	850	17	0.67	25	3.92	.	.	0.85	14.7
2.4	160	280	950	16	0.80	20	5.00	.	.	0.80	12.5
2.6	150	250	1000	15	0.67	22	4.44	.	.	0.75	13.3
2.8	130	190	1050	13	0.40	32	3.08	.	.	0.65	25.6
3.0	120	160	1000	12	0.27	45	2.22	22	13	.	41.7
3.2	120	160	1100	12	0.27	45	2.22	22	12	.	41.7
3.4	100	150	1150	10	0.33	30	3.33	.	.	0.50	25.0
3.6	130	160	1200	13	0.20	65	1.54	24	13	.	38.5
3.8	90	120	1150	9	0.20	45	2.22	20	10	.	55.6
4.0	130	170	1150	13	0.27	49	2.05	23	11	.	38.5
4.2	140	220	1250	14	0.53	26	3.81	.	.	0.70	17.9
4.4	120	210	1300	12	0.60	20	5.00	.	.	0.60	16.7
4.6	120	180	1350	12	0.40	30	3.33	.	.	0.60	20.8
4.8	110	150	1400	11	0.27	41	2.42	22	10	.	30.3
5.0	110	160	1400	11	0.33	33	3.03	22	10	.	30.3
5.2	130	180	1500	13	0.33	39	2.56	22	10	.	25.6
5.4	140	190	1600	14	0.33	42	2.38	23	10	.	23.8
5.6	210	300	1750	21	0.60	35	2.86	24	21	.	15.9
5.8	240	310	1900	24	0.47	51	1.94	26	25	.	20.8
6.0	200	410	2000	20	1.40	14	7.00	.	.	1.00	10.0
6.2	160	330	2200	16	1.13	14	7.00	.	.	0.80	12.5
6.4	140	280	2300	14	0.93	15	6.67	.	.	0.70	14.3
6.6	120	220	2400	12	0.67	18	5.56	.	.	0.60	16.7
6.8	140	220	2550	14	0.53	26	3.81	.	.	0.70	17.9
7.0	140	240	2600	14	0.67	21	4.76	.	.	0.70	14.3
7.2	150	280	2800	15	0.87	17	5.78	.	.	0.75	13.3
7.4	170	310	2900	17	0.93	18	5.49	.	.	0.85	11.8
7.6	160	300	3200	16	0.93	17	5.83	.	.	0.80	12.5
7.8	150	280	3250	15	0.87	17	5.78	.	.	0.75	13.3
8.0	150	270	3250	15	0.80	19	5.33	.	.	0.75	13.3
8.2	120	230	3400	12	0.73	16	6.11	.	.	0.60	16.7
8.4	110	170	3400	11	0.40	27	3.64	.	.	0.55	22.7
8.6	110	150	3500	11	0.27	41	2.42	22	10	.	30.3
8.8	80	120	3500	8	0.27	30	3.33	.	.	0.40	31.3
9.0	130	170	3400	13	0.27	49	2.05	23	10	.	38.5
9.2	120	190	3500	12	0.47	26	3.89	.	.	0.60	20.8
9.4	130	200	3550	13	0.47	28	3.59	.	.	0.65	19.2
9.6	130	190	3600	13	0.40	32	3.08	.	.	0.65	25.6
9.8	130	200	3550	13	0.47	28	3.59	.	.	0.65	19.2
10.0	140	220	3500	14	0.53	26	3.81	.	.	0.70	17.9

Prof	Rpt	Rat	Rtot	Rp	Ral	Rp/Ral	Fr	∅	Dr	Cu	mv
10.2	150	250	3750	15	0.67	22	4.44	.	.	0.75	13.3
10.4	130	230	3800	13	0.67	19	5.13	.	.	0.65	15.4
10.6	140	220	3850	14	0.53	26	3.81	.	.	0.70	17.9
10.8	160	250	3900	16	0.60	27	3.75	.	.	0.80	15.6
11.0	170	290	3950	17	0.80	21	4.71	.	.	0.85	11.8
11.2	150	280	4000	15	0.87	17	5.70	.	.	0.75	13.3
11.4	170	280	4150	17	0.73	23	4.31	.	.	0.85	11.8
11.6	170	280	4400	17	0.73	23	4.31	.	.	0.85	11.8
11.8	180	300	4550	18	0.80	22	4.44	.	.	0.90	11.1
12.0	190	320	4600	19	0.87	22	4.56	.	.	0.95	10.5





letture di campagna

valori derivati

PROFONDITA' [metri]	Rpt [Kg]	Rat [Kg]	Rt [Kg]	Rat-Rpt [Kg]	Ral [Kg/caq]	Rp/Rai	Rt-Rpt [Kg]	FI [gradi]	Dr [%]	Cu [Kg/caq]	mv [caq/t]
.2	150	210	300	60	.4	38	150			.6	18.14
.4	130	180	300	50	.33	39	170			.52	18.72
.6	310	460	600	150	1	31	290			1.24	16.06
.8	380	570	700	190	1.26	30	320			1.52	14.87
1	380	520	900	140	.93	41	520			1.52	14.87
1.2	280	470	1100	190	1.26	22	820			1.12	16.48
1.4	310	480	1300	170	1.13	27	990			1.24	16.06
1.6	230	620	1500	390	2.6	9	1270			.92	17.04
1.8	180	500	1650	320	2.13	8	1470			.72	17.6
2	160	400	1700	240	1.6	10	1540			.64	17.93
2.2	180	370	1700	190	1.26	14	1520			.72	17.6
2.4	170	370	1800	200	1.33	13	1630			.68	17.75
2.6	180	370	1900	190	1.26	14	1720			.72	17.6
2.8	200	370	1950	170	1.13	18	1750			.8	17.36
3	200	370	1850	170	1.13	18	1650			.8	17.36
3.2	170	380	1900	210	1.4	12	1730			.68	17.75
3.4	150	310	1950	160	1.06	14	1800			.6	18.14
3.6	170	300	1800	130	.86	20	1630			.68	17.75
3.8	160	270	1900	110	.73	22	1740			.64	17.93
4	160	270	1900	110	.73	22	1740			.64	17.93
4.2	190	310	2000	120	.8	24	1810			.76	17.47
4.4	210	360	2100	150	1	21	1890			.84	17.25
4.6	210	360	2100	150	1	21	1890			.84	17.25
4.8	150	300	2050	150	1	15	1900			.6	18.14
5	120	220	2100	100	.66	18	1980			.48	19.13
5.2	120	210	2100	90	.6	20	1980			.48	19.13
5.4	120	210	2250	90	.6	20	2130			.48	19.13
5.6	100	180	2250	80	.53	19	2150			.4	20.3
5.8	110	180	2200	70	.46	24	2090			.44	19.64
6	130	210	2300	80	.53	24	2170			.52	18.72
6.2	130	210	2350	80	.53	24	2220			.52	18.72
6.4	150	230	2500	80	.53	28	2350			.6	18.14
6.6	200	230	2350	30	.2	100	2150	32	18		17.36
6.8	120	220	2550	100	.66	18	2430			.48	19.13
7	160	220	2350	60	.4	40	2190			.64	17.93
7.2	140	250	2500	110	.73	19	2360			.56	18.4
7.4	160	240	2600	80	.53	30	2440			.64	17.93
7.6	150	240	2700	90	.6	25	2550			.6	18.14
7.8	140	260	2650	120	.8	17	2510			.56	18.4
8	130	230	2650	100	.66	19	2520			.52	18.72

letture di campagna

valori derivati

PROFONDITA' [metri]	letture di campagna			valori derivati							
	Rpt [Kg]	Rat [Kg]	Rt [Kg]	Rat-Rpt [Kg]	Ral [Kg/cm ²]	Rp/Ral	Rt-Rpt [Kg]	FI [gradi]	Dr [%]	Cu [Kg/cm ²]	av [cm ³ /t]
8.2	140	250	2650	110	.73	19	2510			.56	18.4
8.4	110	170	2650	60	.4	27	2540			.44	19.64
8.6	100	150	2600	50	.33	30	2500			.4	20.3
8.8	120	210	2600	90	.6	20	2480			.48	19.13
9	130	210	2650	80	.53	24	2520			.52	18.72
9.2	140	260	2650	120	.8	17	2510			.56	18.4
9.4	150	250	2700	100	.66	23	2550			.6	18.14
9.6	130	240	2700	110	.73	18	2570			.52	18.72
9.8	130	220	2750	90	.6	22	2620			.52	18.72
10	140	250	2750	110	.73	19	2610			.56	18.4

LEGENDA : Rpt = res. totale di punta Rat = res. lat. totale del manicotto + res. totale di punta Rt = res. totale Ral = res. laterale Rp = res. di punta
 Rp/Ral = rapporto Begemann FI = angolo di attrito Dr = densita' relativa Cu = coesione utile av = coeff. di compressibilita' volumetrica

letture di campagna

valori derivati

PROFONDITA' [metri]	Rpt [Kg]	Rat [Kg]	Rt [Kg]	Rat-Rpt [Kg]	Ral [Kg/cmq]	Rp/Ral	Rt-Rpt [Kg]	F1 [gradi]	Dr [%]	Cu [Kg/cmq]	mv [cmq/t]
.2	410	600	700	190	1.26	32	290			1.64	14.3
.4	520	760	1000	240	1.6	32	480			2.6	12.2
.6	720	890	900	170	1.13	64	180	32	50		9.18
.8	360	600	1150	240	1.6	23	790			1.44	15.24
1	280	590	1350	310	2.06	14	1070			1.12	16.48
1.2	300	470	1800	170	1.13	26	1500			1.2	16.21
1.4	270	810	2100	540	3.6	8	1830			1.08	16.6
1.6	210	680	2350	470	3.13	7	2140			.84	17.25
1.8	210	590	2500	380	2.53	8	2290			.84	17.25
2	220	530	2550	310	2.06	11	2330			.88	17.15
2.2	200	460	2700	260	1.73	12	2500			.8	17.36
2.4	200	400	2700	200	1.33	15	2500			.8	17.36
2.6	130	300	2700	170	1.13	11	2570			.52	18.72
2.8	120	210	2700	90	.6	20	2580			.48	19.13
3	100	170	2500	70	.46	21	2400			.4	20.3
3.2	180	250	2700	70	.46	39	2520			.72	17.6
3.4	280	380	2700	100	.66	42	2420			1.12	16.48
3.6	270	480	2800	210	1.4	19	2530			1.08	16.6
3.8	220	410	2800	190	1.26	17	2580			.88	17.15
4	160	320	2800	160	1.06	15	2640			.64	17.93
4.2	200	320	2900	120	.8	25	2700			.8	17.36
4.4	260	400	3000	140	.93	28	2740			1.04	16.72
4.6	260	450	3150	190	1.26	21	2890			1.04	16.72
4.8	280	480	3400	200	1.33	21	3120			1.12	16.48
5	320	550	3500	230	1.53	21	3180			1.28	15.91
5.2	300	550	3800	250	1.66	18	3500			1.2	16.21
5.4	320	580	4000	260	1.73	18	3680			1.28	15.91
5.6	220	460	4000	240	1.6	14	3780			.88	17.15
5.8	190	360	4100	170	1.13	17	3910			.76	17.47
6	150	320	4200	170	1.13	13	4050			.6	18.14
6.2	160	310	4400	150	1	16	4240			.64	17.93
6.4	150	290	4500	140	.93	16	4350			.6	18.14
6.6	150	280	4500	130	.86	17	4350			.6	18.14
6.8	140	260	4550	120	.8	17	4410			.56	18.4
7	130	250	4500	120	.8	16	4370			.52	18.72
7.2	160	280	4600	120	.8	20	4440			.64	17.93
7.4	170	270	4650	100	.66	25	4480			.68	17.75
7.6	160	280	4700	120	.8	20	4540			.64	17.93
7.8	150	270	4800	120	.8	19	4650			.6	18.14
8	130	250	4700	120	.8	16	4570			.52	18.72

letture di campagna

valori derivati

PROFONDITA' [metri]	letture di campagna			valori derivati							
	Rpt [Kg]	Rat [Kg]	Rt [Kg]	Rat-Rpt [Kg]	Ral [Kg/cm ²]	Rp/Ral	Rt-Rpt [Kg]	FI [gradi]	Dr [%]	Cu [Kg/cm ²]	mv [cm ³ /t]
8.2	140	230	4600	90	.6	23	4460			.56	18.4
8.4	100	190	4500	90	.6	17	4400			.4	20.3
8.6	100	160	4500	60	.4	25	4400			.4	20.3
8.8	90	140	4500	50	.33	27	4410			.36	21.16
9	120	210	4600	90	.6	20	4480			.48	19.13
9.2	130	220	4650	90	.6	22	4520			.52	18.72
9.4	140	240	4650	100	.66	21	4510			.56	18.4
9.6	110	170	4650	60	.4	27	4540			.44	19.64
9.8	120	190	4600	70	.46	26	4480			.48	19.13
10	100	180	4600	80	.53	19	4500			.4	20.3

LEGENDA : Rpt = res. totale di punta Rat = res. lat. totale del manicotto + res. totale di punta Rt = res. totale Ral = res. laterale Rp = res. di punta
 Rp/Ral = rapporto Begemann FI = angolo di attrito Dr = densita' relativa Cu = coesione utile mv = coeff. di compressibilita' volumetrica

letture di campagna

valori derivati

PROFONDITA' [metri]	Rpt [Kg]	Rat [Kg]	Rt [Kg]	Rat-Rpt [Kg]	Ral [Kg/caq]	Rp/Ral	Rt-Rpt [Kg]	Fi [gradi]	Dr [%]	Cu [Kg/caq]	nv [caq/t]
.2	660	840	950	180	1.2	55	290	32	47		9.96
.4	720	910	1000	190	1.26	57	280	32	50		9.18
.6	840	930	1200	90	.6	140	160	37	53		7.91
.8	620	1110	1800	490	3.26	19	1180			3.1	10.53
1	440	830	2200	390	2.4	17	1760			1.76	13.72
1.2	320	720	2500	400	2.66	12	2180			1.28	15.91
1.4	260	460	2550	200	1.33	19	2290			1.04	16.72
1.6	220	340	2650	120	.8	27	2430			.88	17.15
1.8	310	440	2700	130	.86	36	2390			1.24	16.06
2	280	500	2800	220	1.46	19	2520			1.12	16.48
2.2	310	550	3050	240	1.6	19	2740			1.24	16.06
2.4	300	530	3300	230	1.53	20	3000			1.2	16.21
2.6	260	470	3600	210	1.4	19	3340			1.04	16.72
2.8	220	420	3550	200	1.33	16	3330			.88	17.15
3	260	420	3600	160	1.06	24	3340			1.04	16.72
3.2	300	520	3650	220	1.46	20	3350			1.2	16.21
3.4	330	600	3900	270	1.8	18	3570			1.32	15.75
3.6	310	560	4100	250	1.66	19	3790			1.24	16.06
3.8	320	590	4100	270	1.8	18	3780			1.28	15.91
4	300	570	4150	270	1.8	17	3850			1.2	16.21
4.2	290	630	4000	340	2.26	13	3710			1.16	16.35
4.4	310	540	4200	230	1.53	20	3890			1.24	16.06
4.6	280	520	4300	240	1.6	17	4020			1.12	16.48
4.8	280	480	4600	200	1.33	21	4320			1.12	16.48
5	310	510	4700	200	1.33	23	4390			1.24	16.06
5.2	280	520	5000	240	1.6	17	4720			1.12	16.48
5.4	230	440	5000	210	1.4	16	4770			.92	17.04
5.6	200	370	5000	170	1.13	18	4800			.8	17.36
5.8	210	350	5000	140	.93	23	4790			.84	17.25
6	210	360	5100	150	1	21	4890			.84	17.25
6.2	210	370	5400	160	1.06	20	5190			.84	17.25
6.4	180	330	5250	150	1	18	5070			.72	17.6
6.6	170	330	5350	160	1.06	16	5180			.68	17.75
6.8	130	240	5400	110	.73	18	5270			.52	18.72
7	180	270	5300	90	.6	30	5120			.72	17.6
7.2	200	300	5300	100	.66	30	5100			.8	17.36
7.4	160	290	5300	130	.86	18	5140			.64	17.93
7.6	140	250	5300	110	.73	19	5160			.56	18.4
7.8	120	210	5300	90	.6	20	5180			.48	19.13
8	130	240	5300	110	.73	18	5170			.52	18.72

letture di campagna

valori derivati

PROFONDITA' [metri]	letture di campagna			valori derivati							
	Rpt [Kg]	Rat [Kg]	Rt [Kg]	Rat-Rpt [Kg]	Ral [Kg/cm ²]	Rp/Ral	Rt-Rpt [Kg]	FI [gradi]	Dr [%]	Cu [Kg/cm ²]	av [cm ³ /t]
8.2	170	290	5300	120	.8	21	5130			.60	17.75
8.4	160	250	5400	90	.6	27	5240			.64	17.93
8.6	130	190	5400	60	.4	32	5270			.52	18.72
8.8	110	170	5300	60	.4	27	5190			.44	19.64
9	100	140	5250	40	.26	38	5150			.4	20.3
9.2	140	210	5250	70	.46	30	5110			.56	18.4
9.4	150	260	5350	110	.73	20	5200			.6	18.14
9.6	130	220	5350	90	.6	22	5220			.52	18.72
9.8	140	260	5400	120	.8	17	5260			.56	18.4
10	130	230	5400	100	.66	19	5270			.52	18.72

LEGENDA : Rpt = res. totale di punta Rat = res. lat. totale del manicotto + res. totale di punta Rt = res. totale Ral = res. laterale Rp = res. di punta
 Rp/Ral = rapporto Begemann FI = angolo di attrito Dr = densita' relativa Cu = coesione utile av = coeff. di compressibilita' volumetrica

letture di campagna

valori derivati

PROFONDITA' [metri]	Rpt [Kg]	Rat [Kg]	Rt [Kg]	Rat-Rpt [Kg]	Ral [Kg/cmq]	Rp/Ral	Rt-Rpt [Kg]	FI [gradi]	Dr [%]	Cu [Kg/cmq]	mv [cmq/t]
.2	320	460	500	140	.93	34	180			1.28	15.91
.4	280	370	650	90	.6	47	370	29	24		16.48
.6	420	670	950	250	1.66	25	530			1.68	14.11
.8	520	720	1000	200	1.33	39	480			2.6	12.2
1	370	610	1350	240	1.6	23	980			1.48	15.06
1.2	390	500	1700	110	.73	53	1310	30	32		14.69
1.4	250	800	1950	550	3.66	7	1700			1	16.83
1.6	220	690	2200	470	3.13	7	1980			.88	17.15
1.8	220	560	2200	340	2.26	10	1980			.88	17.15
2	210	420	2200	210	1.4	15	1990			.84	17.25
2.2	270	550	2700	280	1.86	14	2430			1.08	16.6
2.4	290	590	2800	300	2	14	2510			1.16	16.35
2.6	300	570	3100	270	1.8	17	2800			1.2	16.21
2.8	240	520	3300	280	1.86	13	3060			.96	16.94
3	280	510	3400	230	1.53	18	3120			1.12	16.48
3.2	330	570	3500	240	1.6	21	3170			1.32	15.75
3.4	270	630	3650	360	2.4	11	3380			1.08	16.6
3.6	320	600	3900	280	1.86	17	3580			1.28	15.91
3.8	340	580	4000	240	1.6	21	3660			1.36	15.59
4	350	650	4150	300	2	17	3800			1.4	15.42
4.2	350	630	4300	280	1.86	19	3950			1.4	15.42
4.4	350	650	4550	300	2	17	4200			1.4	15.42
4.6	350	650	4650	300	2	17	4300			1.4	15.42
4.8	310	580	5000	270	1.8	17	4690			1.24	16.06
5	250	480	5200	230	1.53	16	4950			1	16.83
5.2	270	490	5300	220	1.46	18	5030			1.08	16.6
5.4	260	480	5350	220	1.46	18	5090			1.04	16.72
5.6	220	420	5400	200	1.33	16	5180			.88	17.15
5.8	180	370	5300	190	1.26	14	5120			.72	17.6
6	190	330	5600	140	.93	20	5410			.76	17.47
6.2	160	300	5650	140	.93	17	5490			.64	17.93
6.4	190	340	5600	150	1	19	5410			.76	17.47
6.6	180	320	5700	140	.93	19	5520			.72	17.6
6.8	170	320	5700	150	1	17	5530			.68	17.75
7	180	310	5700	130	.86	21	5520			.72	17.6
7.2	140	270	5650	130	.86	16	5510			.56	18.4
7.4	130	260	5600	130	.86	15	5470			.52	18.72
7.6	100	180	5600	80	.53	19	5500			.4	20.3
7.8	90	130	5600	40	.26	34	5510			.36	21.16
8	130	200	5700	70	.46	28	5570			.52	18.72

letture di campagna

valori derivati

PROFONDITA' [metri]	Rpt [Kg]	Rat [Kg]	Rt [Kg]	Rat-Rpt [Kg]	Ral [Kg/caq]	Rp/Ral	Rt-Rpt [Kg]	Fi [gradi]	Dr [%]	Cu [Kg/caq]	mv [caq/t]
8.2	270	360	5700	90	.6	45	5430			1.00	16.6
8.4	210	280	6000	70	.46	45	5790			.84	17.25
8.6	330	480	5900	150	1	33	5370			1.32	15.75
8.8	240	340	5800	100	.66	36	5560			.96	16.94
9	140	230	5800	90	.6	23	5640			.56	18.4
9.2	160	270	5800	110	.73	22	5640			.64	17.93
9.4	130	210	5750	80	.53	24	5620			.52	18.72
9.6	120	180	5750	60	.4	30	5630			.48	19.13
9.8	150	260	5800	110	.73	20	5650			.6	18.14
10	140	260	5800	120	.8	17	5660			.56	18.4

LEGENDA : Rpt = res. totale di punta Rat = res. lat. totale del manico + res. totale di punta Rt = res. totale Ral = res. laterale Rp = res. di punta
 Rp/Ral = rapporto Begemann Fi = angolo di attrito Dr = densita' relativa Cu = coesione utile mv = coeff. di compressibilita' volumetrica

letture di campagna

valori derivati

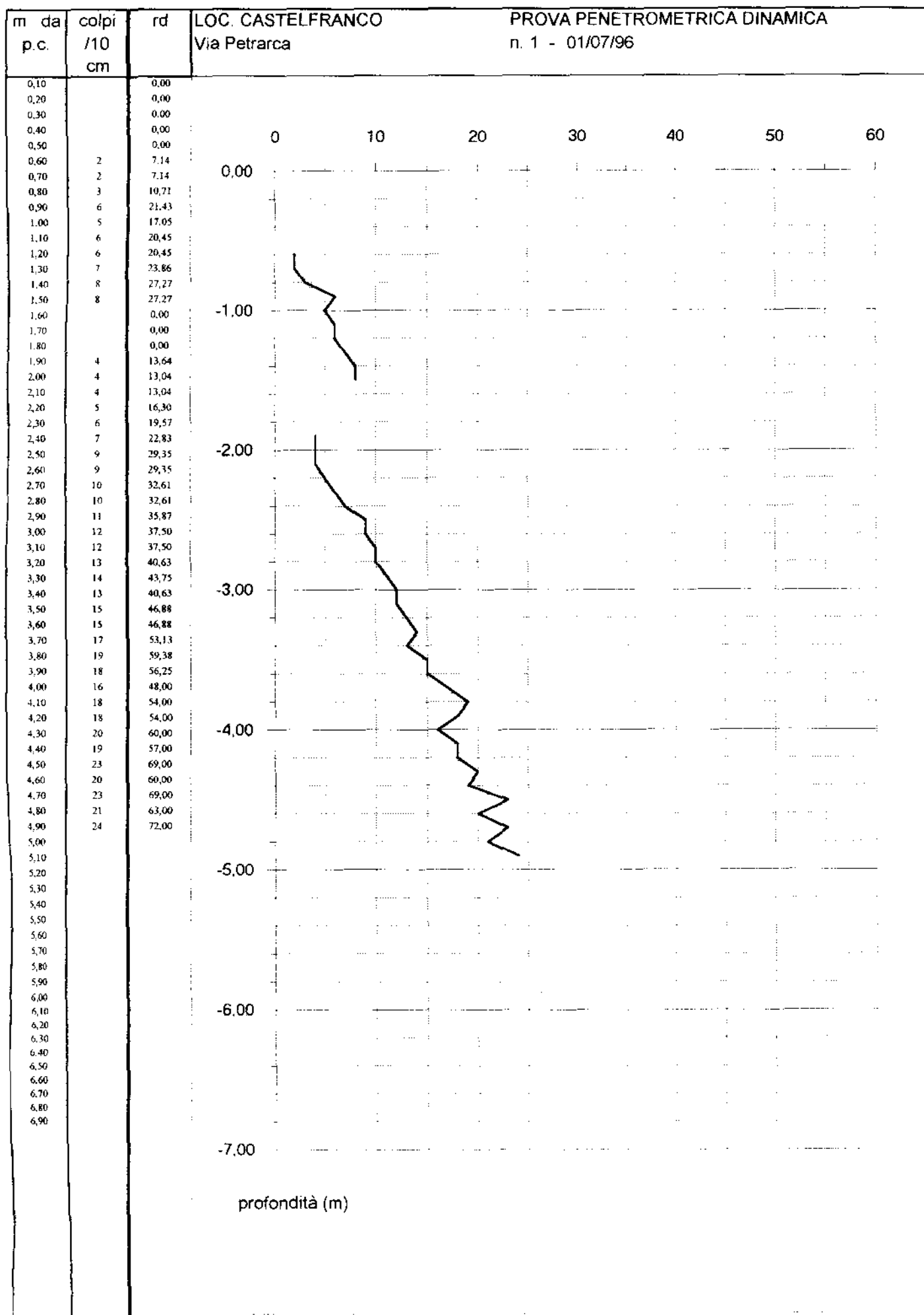
PROFONDITA' [metri]	Rpt [Kg]	Rat [Kg]	Rt [Kg]	Rat-Rpt [Kg]	Ral [Kg/cmq]	Rp/Ral	Rt-Rpt [Kg]	FI [gradi]	Dr [%]	Cu [Kg/cmq]	av [cmq/t]
.2	210	390	450	180	1.2	17	240			.84	17.25
.4	350	670	750	320	2.13	16	400			1.4	15.42
.6	250	510	800	260	1.73	14	550			1	16.83
.8	300	590	950	290	1.93	16	650			1.2	16.21
1	280	570	1100	290	1.93	14	820			1.12	16.48
1.2	300	500	1300	200	1.33	23	1000			1.2	16.21
1.4	240	530	1500	290	1.93	12	1260			.96	16.94
1.6	200	470	1700	270	1.8	11	1500			.8	17.36
1.8	190	370	1800	180	1.2	16	1610			.76	17.47
2	160	340	1950	180	1.2	13	1790			.64	17.93
2.2	220	490	2100	270	1.8	12	1880			.88	17.15
2.4	200	380	2200	180	1.2	17	2000			.8	17.36
2.6	180	340	2350	160	1.06	17	2170			.72	17.6
2.8	170	360	2400	190	1.26	13	2230			.68	17.75
3	230	480	2500	250	1.66	14	2270			.92	17.04
3.2	210	440	2600	230	1.53	14	2390			.84	17.25
3.4	160	320	2600	160	1.06	15	2440			.64	17.93
3.6	150	290	2650	140	.93	16	2500			.6	18.14
3.8	190	380	2700	190	1.26	15	2510			.76	17.47
4	180	350	2700	170	1.13	16	2520			.72	17.6
4.2	220	380	2850	160	1.06	21	2630			.68	17.15
4.4	170	330	2900	160	1.06	16	2730			.68	17.75
4.6	170	350	3050	180	1.2	14	2880			.68	17.75
4.8	240	480	3150	240	1.6	15	2910			.96	16.94
5	280	540	3300	260	1.73	16	3020			1.12	16.48
5.2	310	590	3450	280	1.86	17	3140			1.24	16.06
5.4	300	620	3600	320	2.13	14	3300			1.2	16.21
5.6	250	540	3700	290	1.93	13	3450			1	16.83
5.8	220	460	3800	240	1.6	14	3580			.88	17.15
6	190	390	4000	200	1.33	14	3810			.76	17.47
6.2	140	270	4000	130	.86	16	3860			.56	18.4
6.4	170	330	4050	160	1.06	16	3880			.68	17.75
6.6	190	330	4100	140	.93	20	3910			.76	17.47
6.8	150	280	4100	130	.86	17	3950			.6	18.14
7	130	230	4100	100	.66	19	3970			.52	18.72
7.2	100	160	4000	60	.4	25	3900			.4	20.3
7.4	120	210	4000	90	.6	20	3880			.48	19.13
7.6	130	210	3900	80	.53	24	3770			.52	18.72
7.8	160	270	3900	110	.73	22	3740			.64	17.93
8	190	320	4000	130	.86	22	3810			.76	17.47

letture di campagna

valori derivati

PRDFONDITA' [metri]	Rpt [Kg]	Rat [Kg]	Rt [Kg]	Rat-Rpt [Kg]	Ral [Kg/caq]	Rp/Ral	Rt-Rpt [Kg]	FI [gradi]	Dr [%]	Cu [Kg/caq]	wv [caq/t]
8.2	180	300	4100	120	.8	23	3920			.72	17.6
8.4	140	220	4100	80	.53	26	3960			.56	18.4
8.6	120	190	4100	70	.46	26	3980			.48	19.13
8.8	110	170	4000	60	.4	27	3890			.44	19.64
9	100	160	3900	60	.4	25	3800			.4	20.3
9.2	120	200	3850	80	.53	23	3730			.48	19.13
9.4	180	260	3800	80	.53	34	3620			.72	17.6
9.6	240	320	3900	80	.53	45	3660			.96	16.94
9.8	200	310	3900	110	.73	27	3700			.8	17.36
10	170	270	3900	100	.66	25	3730			.68	17.75

LEGENDA : Rpt = res. totale di punta Rat = res. lat. totale del manicotto + res. totale di punta Rt = res. totale Ral = res. laterale Rp = res. di punta
 Rp/Ral = rapporto Begemann FI = angolo di attrito Dr = densita' relativa Cu = coesione utile wv = coeff. di compressibilita' volumetrica



PENETROMETRO DINAMICO tipo MEDIO - (DPM) uso rivestimento/fanghi iniezione : NO
 M = 30.0 kg - H = 0.20 m - A = 10.00 cm - D = 35.7 mm N = N(10) [= 10 cm]
 Cantiere : Via Botticelli n 4 quota inizio : p.c.
 Localit : Castelfranco di Sotto (PI) prof. falda = 2.30 m da quota inizio
 note : - data : 06 Dicembre 1995

prof.(m)	N (colpi)	Rpd(kg/cm)	asta	prof.(m)	N (colpi)	Rpd(kg/cm)	asta
0.00- 0.10	6.0	33.3	1	3.00- 3.10	4.0	18.2	4
0.10- 0.20	5.0	27.8	1	3.10- 3.20	4.0	18.2	4
0.20- 0.30	10.0	55.6	1	3.20- 3.30	5.0	22.7	4
0.30- 0.40	15.0	83.3	1	3.30- 3.40	5.0	22.7	4
0.40- 0.50	13.0	72.2	1	3.40- 3.50	6.0	27.3	4
0.50- 0.60	11.0	61.1	1	3.50- 3.60	5.0	22.7	4
0.60- 0.70	8.0	44.4	1	3.60- 3.70	5.0	22.7	4
0.70- 0.80	5.0	27.8	1	3.70- 3.80	6.0	27.3	4
0.80- 0.90	7.0	38.9	1	3.80- 3.90	5.0	22.7	4
0.90- 1.00	6.0	31.0	2	3.90- 4.00	4.0	17.1	5
1.00- 1.10	5.0	25.9	2	4.00- 4.10	4.0	17.1	5
1.10- 1.20	6.0	31.0	2	4.10- 4.20	4.0	17.1	5
1.20- 1.30	5.0	25.9	2	4.20- 4.30	4.0	17.1	5
1.30- 1.40	4.0	20.7	2	4.30- 4.40	5.0	21.4	5
1.40- 1.50	3.0	15.5	2	4.40- 4.50	4.0	17.1	5
1.50- 1.60	2.0	10.3	2	4.50- 4.60	4.0	17.1	5
1.60- 1.70	3.0	15.5	2	4.60- 4.70	3.0	12.9	5
1.70- 1.80	2.0	10.3	2	4.70- 4.80	4.0	17.1	5
1.80- 1.90	4.0	20.7	2	4.80- 4.90	4.0	17.1	5
1.90- 2.00	5.0	24.2	3	4.90- 5.00	4.0	16.2	6
2.00- 2.10	4.0	19.4	3	5.00- 5.10	5.0	20.3	6
2.10- 2.20	3.0	14.5	3	5.10- 5.20	6.0	24.3	6
2.20- 2.30	3.0	14.5	3	5.20- 5.30	7.0	28.4	6
2.30- 2.40	3.0	14.5	3	5.30- 5.40	7.0	28.4	6
2.40- 2.50	3.0	14.5	3	5.40- 5.50	9.0	36.5	6
2.50- 2.60	4.0	19.4	3	5.50- 5.60	9.0	36.5	6
2.60- 2.70	3.0	14.5	3	5.60- 5.70	11.0	44.6	6
2.70- 2.80	4.0	19.4	3	5.70- 5.80	12.0	48.6	6
2.80- 2.90	5.0	24.2	3	5.80- 5.90	12.0	48.6	6
2.90- 3.00	5.0	22.7	4	5.90- 6.00	12.0	46.2	7

Prof	Rpt	Rat	Rtot	Rp	Ral	Rp/Ral	Fr	†	Dr	Cu	mv
0.2	370	420	600	37	0.33	111	0.90	31	99	.	18.0
0.4	110	200	500	11	0.60	18	5.45	.	.	0.55	18.2
0.6	70	150	500	7	0.53	13	7.62	.	.	0.35	35.7
0.8	90	150	550	9	0.40	22	4.44	.	.	0.45	22.2
1.0	100	170	600	10	0.47	21	4.67	.	.	0.50	20.0
1.2	150	220	750	15	0.47	32	3.11	.	.	0.75	22.2
1.4	120	230	800	12	0.73	16	6.11	.	.	0.60	16.7
1.6	120	220	900	12	0.67	18	5.56	.	.	0.60	16.7
1.8	140	260	950	14	0.80	17	5.71	.	.	0.70	14.3
2.0	140	260	1050	14	0.80	17	5.71	.	.	0.70	14.3
2.2	160	290	1300	16	0.87	18	5.42	.	.	0.80	12.5
2.4	170	290	1400	17	0.80	21	4.71	.	.	0.85	11.9
2.6	170	300	1500	17	0.87	20	5.10	.	.	0.85	11.9
2.8	160	300	1600	16	0.93	17	5.83	.	.	0.80	12.5
3.0	160	310	1700	16	1.00	16	6.25	.	.	0.80	12.5
3.2	170	300	1900	17	0.87	20	5.10	.	.	0.85	11.5
3.4	210	320	2000	21	0.73	29	3.49	.	.	1.05	11.9
3.6	180	320	2000	18	0.93	19	5.19	.	.	0.90	11.1
3.8	130	260	2050	13	0.87	15	6.67	.	.	0.65	15.4
4.0	120	170	2050	12	0.33	36	2.78	22	10	.	27.8
4.2	100	170	2200	10	0.47	21	4.67	.	.	0.50	20.0
4.4	150	210	2350	15	0.40	37	2.67	23	11	.	22.2
4.6	200	270	2350	20	0.47	43	2.33	24	20	.	16.7
4.8	200	350	2500	20	1.00	20	5.00	.	.	1.00	10.0
5.0	200	330	2600	20	0.87	23	4.33	.	.	1.00	10.0
5.2	190	350	2700	19	1.07	18	5.61	.	.	0.95	10.5
5.4	150	290	2850	15	0.93	16	6.22	.	.	0.75	13.3
5.6	140	240	2900	14	0.67	21	4.76	.	.	0.70	14.3
5.8	110	210	3050	11	0.67	16	6.06	.	.	0.55	18.2
6.0	100	180	3100	10	0.53	19	5.33	.	.	0.50	20.0
6.2	90	200	3200	9	0.73	12	8.15	.	.	0.45	27.8
6.4	120	200	3350	12	0.53	22	4.44	.	.	0.60	16.7
6.6	130	210	3500	13	0.53	24	4.10	.	.	0.65	15.4
6.8	130	230	3600	13	0.67	19	5.13	.	.	0.65	15.4
7.0	120	240	3650	12	0.80	15	6.67	.	.	0.60	16.7
7.2	130	230	3700	13	0.67	19	5.13	.	.	0.65	15.4
7.4	130	230	3800	13	0.67	19	5.13	.	.	0.65	15.4
7.6	150	260	3750	15	0.73	20	4.89	.	.	0.75	13.3
7.8	130	260	3800	13	0.87	15	6.67	.	.	0.65	15.4
8.0	100	210	3700	10	0.73	14	7.33	.	.	0.50	20.0
8.2	70	160	3800	7	0.60	12	8.57	.	.	0.35	35.7
8.4	70	100	3850	7	0.20	35	2.86	20	10	.	47.6
8.6	70	90	3800	7	0.13	52	1.90	20	10	.	71.4
8.8	50	80	3900	5	0.20	25	4.00	.	.	0.25	50.0
9.0	70	90	3900	7	0.13	52	1.90	20	10	.	71.4
9.2	80	120	3800	8	0.27	30	3.33	.	.	0.40	31.2
9.4	60	100	3900	6	0.27	22	4.44	.	.	0.30	33.3
9.6	90	130	4000	9	0.27	34	2.96	20	10	.	37.5
9.8	110	150	3900	11	0.27	41	2.42	22	10	.	30.3
10.0	120	150	4000	12	0.20	60	1.67	23	10	.	41.7

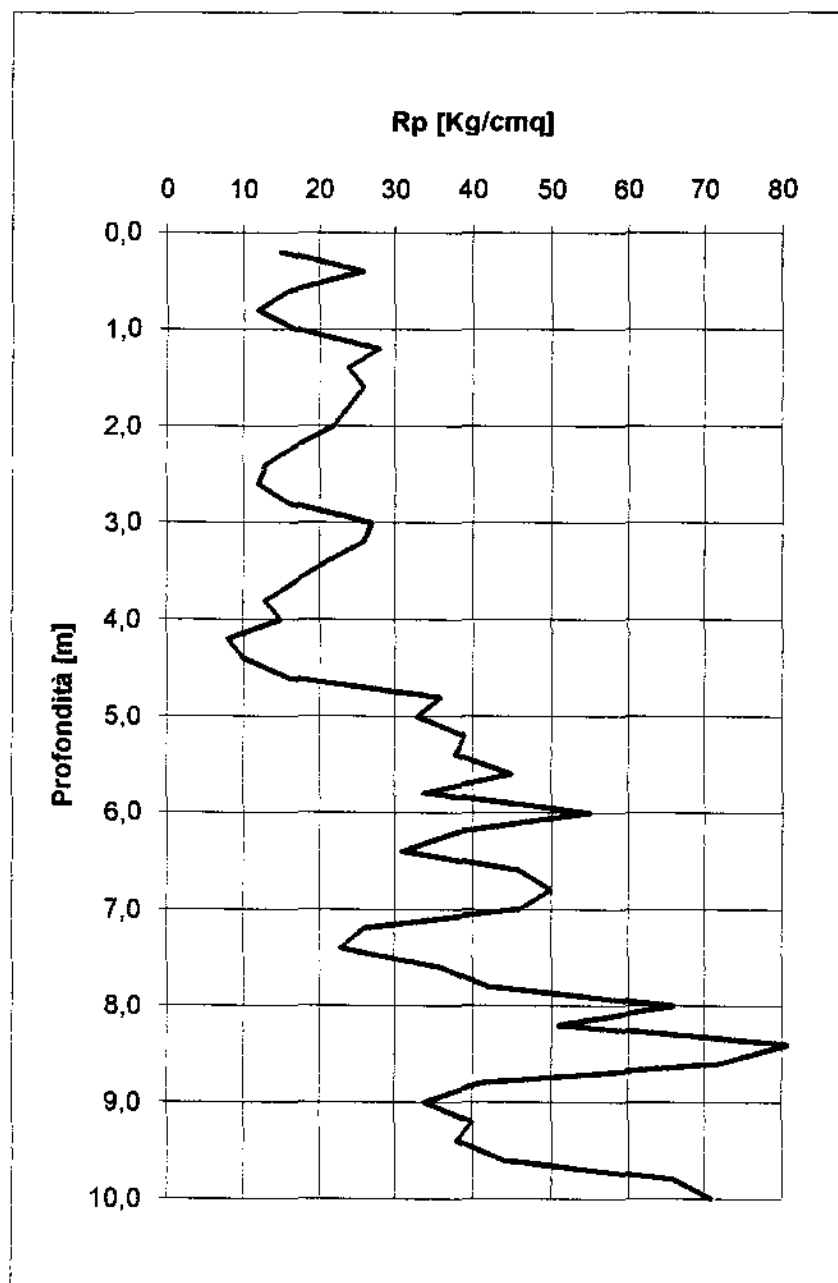
Prof	Rpt	Rat	Rtot	Rp	Ral	Rp/Ral	Fr	Dr	Cu	mv	
0.2	210	300	400	21	0.60	35	2.86	24	90	15.9	
0.4	710	900	1000	71	1.27	56	1.78	34	99	7.0	
0.6	180	300	500	18	0.80	22	4.44	.	.	0.90	11.1
0.8	410	520	750	41	0.73	56	1.79	29	82	12.2	
1.0	120	210	600	12	0.60	20	5.00	.	.	0.60	16.7
1.2	100	160	800	10	0.40	25	4.00	.	.	0.50	25.0
1.4	130	220	750	13	0.60	22	4.62	.	.	0.65	15.4
1.6	100	140	800	10	0.27	37	2.67	20	17	33.3	
1.8	120	230	900	12	0.73	16	6.11	.	.	0.60	16.7
2.0	140	250	1100	14	0.73	19	5.24	.	.	0.70	14.3
2.2	150	260	1200	15	0.73	20	4.89	.	.	0.75	13.3
2.4	160	300	1400	16	0.93	17	5.83	.	.	0.90	12.5
2.6	150	290	1600	15	0.93	16	6.22	.	.	0.75	13.3
2.8	160	310	1600	16	1.00	16	6.25	.	.	0.80	12.5
3.0	170	340	1700	17	1.13	15	6.67	.	.	0.95	11.6
3.2	190	300	1800	19	0.73	26	3.86	.	.	0.95	13.2
3.4	200	330	1900	20	0.87	23	4.33	.	.	1.00	10.0
3.6	170	300	2000	17	0.87	20	5.10	.	.	0.85	11.8
3.8	130	230	2000	13	0.67	19	5.13	.	.	0.65	15.4
4.0	120	190	2100	12	0.47	26	3.89	.	.	0.60	20.8
4.2	100	160	2150	10	0.40	25	4.00	.	.	0.50	25.0
4.4	90	140	2100	9	0.33	27	3.70	.	.	0.45	27.8
4.6	100	160	2200	10	0.40	25	4.00	.	.	0.50	25.0
4.8	140	260	2200	14	0.80	17	5.71	.	.	0.70	14.3
5.0	180	290	2300	18	0.73	25	4.07	.	.	0.90	13.9
5.2	190	340	2400	19	1.00	19	5.26	.	.	0.95	10.5
5.4	160	270	2500	16	0.73	22	4.58	.	.	0.80	12.5
5.6	120	220	2600	12	0.67	18	5.56	.	.	0.60	16.7
5.8	100	140	2600	10	0.27	37	2.67	20	10	30.0	
6.0	100	160	2600	10	0.40	25	4.00	.	.	0.50	25.0
6.2	80	130	2700	8	0.33	24	4.17	.	.	0.40	25.0
6.4	110	190	2800	11	0.53	21	4.85	.	.	0.55	18.2
6.6	130	200	2900	13	0.47	28	3.59	.	.	0.65	19.2
6.8	120	190	3000	12	0.47	26	3.89	.	.	0.60	20.8
7.0	100	170	3000	10	0.47	21	4.67	.	.	0.50	20.0
7.2	110	170	3100	11	0.40	27	3.64	.	.	0.55	22.7
7.4	140	240	3200	14	0.67	21	4.76	.	.	0.70	14.3
7.6	120	200	3400	12	0.53	22	4.44	.	.	0.60	16.7
7.8	100	190	3400	10	0.60	17	6.00	.	.	0.50	20.0
8.0	90	180	3500	9	0.60	15	6.67	.	.	0.45	22.2
8.2	100	200	3600	10	0.67	15	6.67	.	.	0.50	20.0
8.4	80	160	3500	8	0.53	15	6.67	.	.	0.40	25.0
8.6	70	140	3400	7	0.47	15	6.67	.	.	0.35	28.6
8.8	60	100	3500	6	0.27	22	4.44	.	.	0.30	33.3
9.0	50	90	3600	5	0.27	19	5.33	.	.	0.25	40.0
9.2	80	130	3600	8	0.33	24	4.17	.	.	0.40	25.0
9.4	60	110	3700	6	0.33	18	5.56	.	.	0.30	33.3
9.6	90	140	3700	9	0.33	27	3.70	.	.	0.45	27.8
9.8	120	200	3800	12	0.53	22	4.44	.	.	0.60	16.7
10.0	100	160	3800	10	0.40	25	4.00	.	.	0.50	25.0

parametri geotecnici stimati

PROFONDITA' [metri]	Qc [Kg/cmq]	Fs [Kg/cmq]	Qc/Fs	Qt [Kgf]	Gamma [Kg/dmc]	Sigma IVO [Kg/cmq]	Pi [gradi]	Dp [%]	Cu [Kg/cmq]	mv [cmq/t]	Colonna Stratig
0.2					1,80	,04	-	-	-	-	
0.4					1,80	,07	-	-	-	-	
0.6	13,1	,7	20	310	1,91	,11	-	-	,52	20,5	A
0.8	10,3	1,5	7	420	1,53	,14	-	-	,41	36,0	T
1.0	10,3	1	10	580	1,53	,17	-	-	,41	36,0	T
1.2	10,3	,8	13	640	1,53	,20	-	-	,40	36,0	T
1.4	10,3	,7	15	740	1,90	,24	-	-	,40	23,0	A
1.6	7,3	,7	10	820	1,50	,27	-	-	,28	44,9	T
1.8	8,4	,7	13	870	1,51	,30	-	-	,32	40,9	T
2.0	10,4	,6	17	1010	1,90	,34	-	-	,40	22,9	A
2.2	13,4	,7	18	1170	1,91	,38	-	-	,52	20,3	A
2.4	13,4	,8	17	1270	1,91	,41	-	-	,52	20,3	A
2.6	13,4	,8	17	1400	1,91	,45	-	-	,52	20,3	A
2.8	10,5	,4	26	1360	1,90	,49	-	-	,40	22,7	A
3.0	7,5	,4	19	1400	1,78	,53	-	-	,28	28,2	A
3.2	5,5	,3	21	1420	1,68	,56	-	-	,20	35,8	A
3.4	6,5	,1	98	1440	1,63	,59	28	2	-	16,7	SS
3.6	17,5	,2	88	1500	1,69	,63	30	19	-	16,7	SS
3.8	7,6	,4	19	1420	1,78	,66	-	-	,28	28,0	A
4.0	9,6	,2	48	1370	1,65	,69	28	2	-	16,7	SS
4.2	6,6	,3	25	1340	1,73	,73	-	-	,23	31,0	A
4.4	5,6	,4	14	1390	1,49	,76	-	-	,19	54,6	T
4.6	11,6	,1	87	1410	1,66	,79	28	2	-	16,7	SS
4.8	9,7	,4	24	1450	1,89	,83	-	-	,35	23,8	A
5.0	10,7	,3	32	1410	1,90	,87	-	-	,39	22,5	AL
5.2	14,7	,4	37	1380	1,67	,90	-	-	,55	17,9	L
5.4	9,7	,6	16	1520	1,89	,94	-	-	,35	23,8	A
5.6	9,7	,4	24	1680	1,89	,98	-	-	,35	23,8	A
5.8	8,9	,6	15	1670	1,52	1,01	-	-	,32	39,5	T
6.0	14,9	,3	56	1630	1,67	1,04	28	2	-	16,7	SS
6.2	9,9	,5	21	1640	1,90	1,08	-	-	,35	23,5	A
6.4	9,9	,4	25	1700	1,90	1,12	-	-	,35	23,5	A
6.6	8,9	,4	22	1910	1,85	1,15	-	-	,31	25,1	A
6.8	14	,5	26	2140	1,91	1,19	-	-	,51	20,0	AL
7.0	22	,1	165	2070	1,91	1,23	28	12	-	15,2	SS
7.2	17	,7	26	2120	1,92	1,27	-	-	,63	19,4	AL
7.4	12	,3	36	2380	1,66	1,30	-	-	,43	19,8	L
7.6	25	,2	125	2280	1,73	1,34	28	14	-	13,3	SS
7.8	11,2	,7	17	2440	1,90	1,37	-	-	,39	22,0	A
8.0	15,2	,4	38	2510	1,68	1,41	-	-	,55	17,7	L

parametri geotecnici stimati

PROFONDITA' [metri]	Qc [Kg/cmq]	Fs [Kg/cmq]	Qc/Fs	Qt [Kgf]	Gamma [Kg/dmc]	Sigma IVO [Kg/cmq]	Pi [gradi]	D _R [%]	c _u [Kg/cmq]	m _v [cmq/t]	Colonna Stratig.
0.2					1,80	,04	-	-	-	-	
0.4					1,80	,07	-	-	-	-	
0.6	31,1	2,3	13	770	1,95	,11	-	-	1,24	12,9	A
0.8	29,3	2,1	14	1020	1,94	,15	-	-	1,17	13,7	A
1.0	38,3	1,9	20	1170	1,96	,19	-	-	1,52	10,4	A
1.2	41,3	2	21	1550	1,97	,23	-	-	1,64	9,7	A
1.4	37,3	2,3	16	1800	1,96	,27	-	-	1,48	10,7	A
1.6	33,3	1,9	18	2020	1,95	,31	-	-	1,32	12,0	A
1.8	25,4	1,8	14	2190	1,93	,35	-	-	1,00	15,7	A
2.0	25,4	1,8	14	2270	1,93	,38	-	-	1,00	15,7	A
2.2	19,4	1,4	14	2360	1,92	,42	-	-	,76	19,8	A
2.4	17,4	1,1	15	2420	1,92	,46	-	-	,68	19,4	A
2.6	18,4	1,2	15	2530	1,92	,50	-	-	,72	19,5	A
2.8	26,5	1,1	23	2590	1,94	,54	-	-	1,04	15,1	AL
3.0	21,5	1,5	14	2720	1,93	,58	-	-	,84	18,6	A
3.2	20,5	1,5	14	2830	1,92	,61	-	-	,80	19,5	A
3.4	16,5	1,2	14	2940	1,91	,65	-	-	,63	19,4	A
3.6	17,5	1,1	16	3040	1,92	,69	-	-	,67	19,4	A
3.8	17,6	1	18	3150	1,92	,73	-	-	,67	19,4	A
4.0	11,6	1	12	3170	1,55	,76	-	-	,43	31,9	T
4.2	11,6	,7	16	3230	1,90	,80	-	-	,43	21,6	A
4.4	14,6	,6	24	3260	1,91	,84	-	-	,55	19,8	A
4.6	21,6	,8	27	3320	1,93	,88	-	-	,83	18,5	AL
4.8	23,7	,8	30	3380	1,93	,91	-	-	,91	16,9	L
5.0	27,7	1	28	3380	1,94	,95	-	-	1,07	14,4	AL
5.2	26,7	,5	50	3300	1,73	,99	30	23	-	12,5	SS
5.4	24,7	,5	46	3220	1,72	1,02	-	-	,95	13,5	L
5.6	20,7	,5	44	3250	1,70	1,06	-	-	,79	16,1	L
5.8	34,9	,5	65	3150	1,77	1,09	31	30	-	9,6	SS
6.0	28,9	,5	54	3080	1,74	1,13	29	23	-	11,5	SS
6.2	24,9	,3	93	3140	1,72	1,16	28	17	-	13,4	SS
6.4	37,9	,9	44	3360	1,79	1,20	30	-	-	8,8	SL
6.6	53,9	,3	162	3200	2,07	1,24	32	43	-	6,2	SMA
6.8	33	1,1	29	3400	1,95	1,28	-	-	1,27	12,1	AL
7.0	48	,7	72	3420	1,84	1,31	31	37	-	6,9	SMA
7.2	42	,5	79	3430	1,81	1,35	31	32	-	7,9	SS
7.4	38	,7	52	3480	1,79	1,39	30	28	-	8,8	SS
7.6	51	,5	96	3220	1,86	1,42	31	38	-	6,5	SMA
7.8	28,2	,9	33	3230	1,74	1,46	28	-	-	11,8	SL
8.0	20,2	1	20	3270	1,92	1,50	-	-	,75	19,8	A



LEGENDA:

Prof. = profondità in metri

Rpt = Resistenza alla punta (kg/cmq)*10

Rat = Resistenza attrito laterale (Kg/cmq)*150

Rt = Resistenza totale sulle aste (kg)

Begemann = Rapporto Begemann

Committente: Aut. Sartori**Cantiere: Macrolotto ind.****Località Capoluogo****Comune: Castel.co Sotto****Data: 31/01/98**

Prof.	Rpt	Rat	Rt	Begemann	Rp (Kg/cmq)	Cu	mv
0,2	40	80	150	15	4	0,1	83
0,4	50	140	200	8	5	0,2	67
0,6	50	150	250	8	5	0,2	67
0,8	80	170	350	13	8	0,2	42
1,0	150	220	400	32	15	0,5	22
1,2	520	780	850	30	52	1,6	6
1,4	390	460	700	84	39	1,2	9
1,6	220	300	600	41	22	0,7	15
1,8	170	250	550	32	17	0,5	20
2,0	130	220	600	22	13	0,4	26
2,2	190	310	800	24	19	0,6	18
2,4	220	270	950	66	22	0,7	15
2,6	240	310	1050	51	24	0,7	14
2,8	210	350	1200	23	21	0,7	16
3,0	180	320	1250	19	18	0,6	19
3,2	180	300	1550	23	18	0,6	19
3,4	190	300	1700	26	19	0,6	18
3,6	240	360	1850	30	24	0,7	14
3,8	280	430	2050	28	28	0,9	12
4,0	310	460	2200	31	31	1,0	11
4,2	300	500	2500	23	30	0,9	11
4,4	320	450	2600	37	32	1,0	10
4,6	330	520	2800	26	33	1,0	10
4,8	320	510	3000	25	32	1,0	10
5,0	330	520	3200	26	33	1,0	10
5,2	330	530	3450	25	33	1,0	10
5,4	340	520	360	28	34	1,1	10
5,6	290	480	3650	23	29	0,9	11
5,8	230	420	3750	18	23	0,7	14
6,0	230	370	3900	25	23	0,7	14
6,2	250	400	4000	25	25	0,8	13
6,4	250	400	4150	25	25	0,8	13
6,6	220	370	4150	22	22	0,7	15
6,8	180	310	4250	21	18	0,6	19
7,0	170	300	4250	20	17	0,5	20
7,2	190	330	4400	20	19	0,6	18
7,4	180	320	4450	19	18	0,6	19
7,6	190	310	4450	24	19	0,6	18
7,8	180	320	4550	19	18	0,6	19
8,0	180	320	4600	19	18	0,6	19
8,2	160	300	4650	17	16	0,5	21
8,4	170	300	4650	20	17	0,5	20
8,6	190	310	4600	24	19	0,6	18
8,8	130	240	4550	18	13	0,4	26
9,0	100	170	4500	21	10	0,3	33
9,2	90	160	4500	19	9	0,3	37
9,4	120	180	4500	30	12	0,4	28
9,6	130	170	4600	49	13	0,4	26
9,8	130	190	4600	33	13	0,4	26
10,0	140	190	4600	42	14	0,4	24



LEGENDA:

Prof. = profondità in metri

Rpt = Resistenza alla punta (kg/cmq)*10

Rat = Resistenza attrito laterale (Kg/cmq)*150

Rt = Resistenza totale sulle aste (kg)

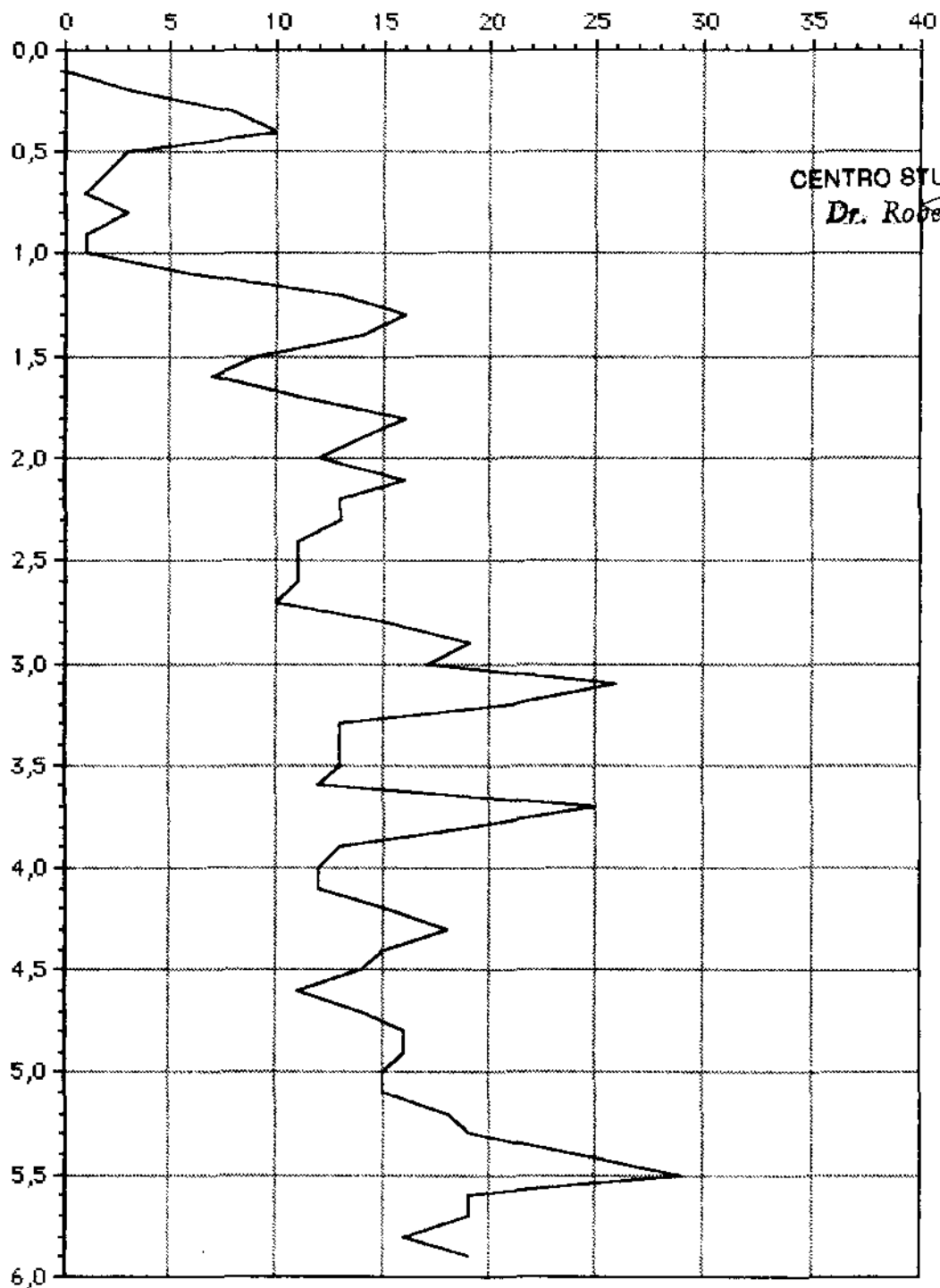
Begemann = Rapporto Begemann

Committente: Aut. Sartori**Cantiere: Macrolotto ind.****Località Capoluogo****Comune: Castel.co Sotto****Data: 31/01/98**

Prof.	Rpt	Rat	Rt	Begemann	Rp (Kg/cmq)	Cu	mv
0,2	70	120	200	21	7	0,2	48
0,4	80	160	300	15	8	0,2	42
0,6	70	160	600	12	7	0,2	48
0,8	220	400	750	18	22	0,7	15
1,0	310	650	750	14	31	1,0	11
1,2	200	320	700	25	20	0,6	17
1,4	170	280	700	23	17	0,5	20
1,6	180	280	700	27	18	0,6	19
1,8	150	280	700	17	15	0,5	22
2,0	180	270	1000	30	18	0,6	19
2,2	270	400	1300	31	27	0,8	12
2,4	240	440	1400	18	24	0,7	14
2,6	220	400	1600	18	22	0,7	15
2,8	210	370	1750	20	21	0,7	16
3,0	180	370	1950	14	18	0,6	19
3,2	200	370	2200	18	20	0,6	17
3,4	200	320	2350	25	20	0,6	17
3,6	260	410	2550	26	26	0,8	13
3,8	280	470	2650	22	28	0,9	12
4,0	280	480	2800	21	28	0,9	12
4,2	270	500	3150	18	27	0,8	12
4,4	310	500	3400	24	31	1,0	11
4,6	310	560	3650	19	31	1,0	11
4,8	310	570	3850	18	31	1,0	11
5,0	320	580	4050	18	32	1,0	10
5,2	330	580	4300	20	33	1,0	10
5,4	320	530	4400	23	32	1,0	10
5,6	260	500	4550	16	26	0,8	13
5,8	270	450	4650	23	27	0,8	12
6,0	250	420	4700	22	25	0,8	13
6,2	270	430	4700	25	27	0,8	12
6,4	230	410	4800	19	23	0,7	14
6,6	200	370	4950	18	20	0,6	17
6,8	210	320	5050	29	21	0,7	16
7,0	200	350	5050	20	20	0,6	17
7,2	180	320	5100	19	18	0,6	19
7,4	210	400	5200	17	21	0,7	16
7,6	200	350	5250	20	20	0,6	17
7,8	200	360	5300	19	20	0,6	17
8,0	210	350	5350	23	21	0,7	16
8,2	180	310	5200	21	18	0,6	19
8,4	160	270	5200	22	16	0,5	21
8,6	160	250	5300	27	16	0,5	21
8,8	120	180	5250	30	12	0,4	28
9,0	130	190	5200	33	13	0,4	26
9,2	130	190	5200	33	13	0,4	26
9,4	150	180	5200	75	15	0,5	22
9,6	160	220	5300	40	16	0,5	21
9,8	250	320	5300	54	25	0,8	13
10,0	170	210	5300	64	17	0,5	20

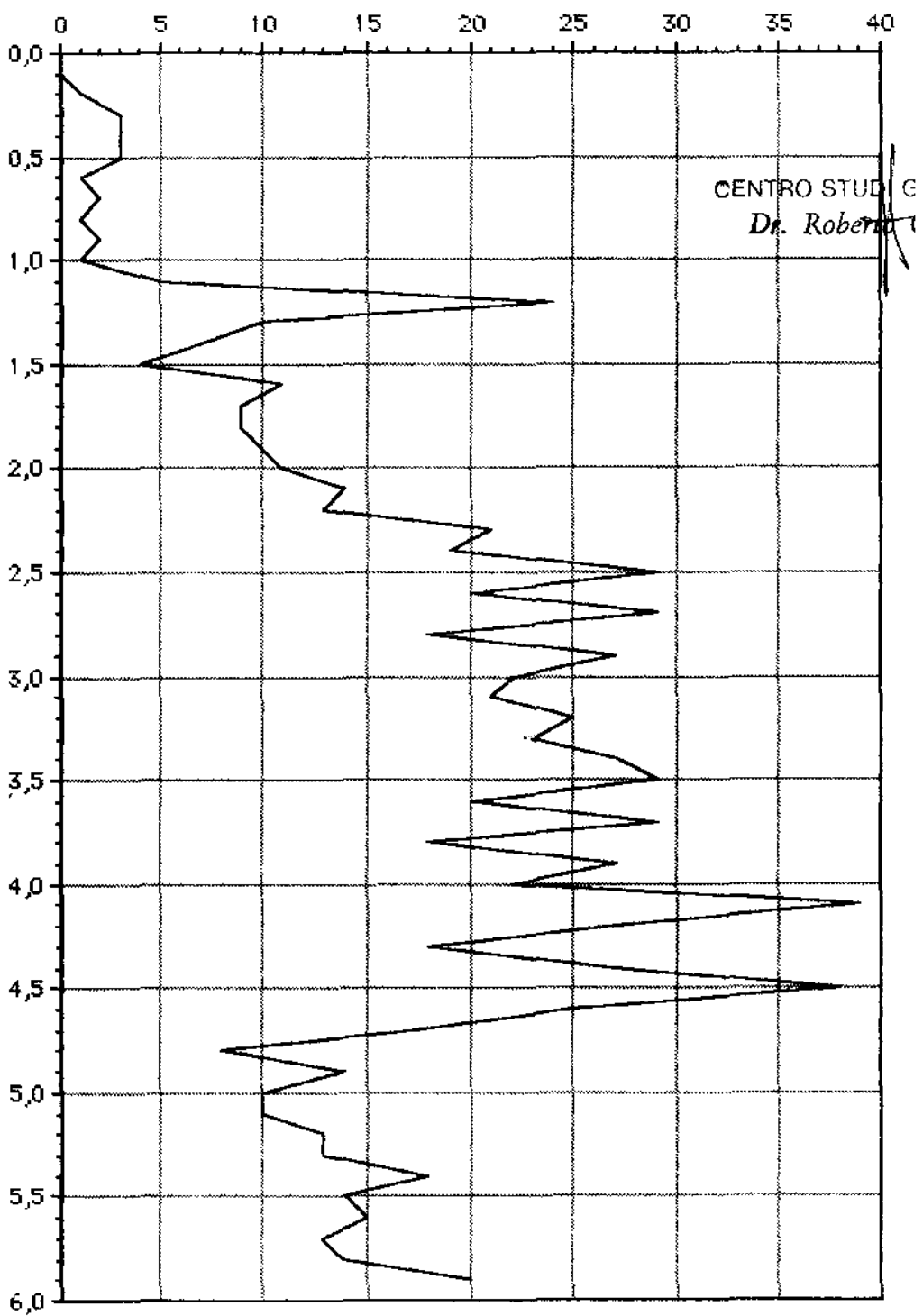


N 10 (P1)



Prof.(m)

N 10 (P2)



CENTRO STUDIO G
Dr. Roberto

Prof.(m)

LEGENDA:

Prof. = profondità in metri

Rpt = Resistenza alla punta (kg/cmq)*10

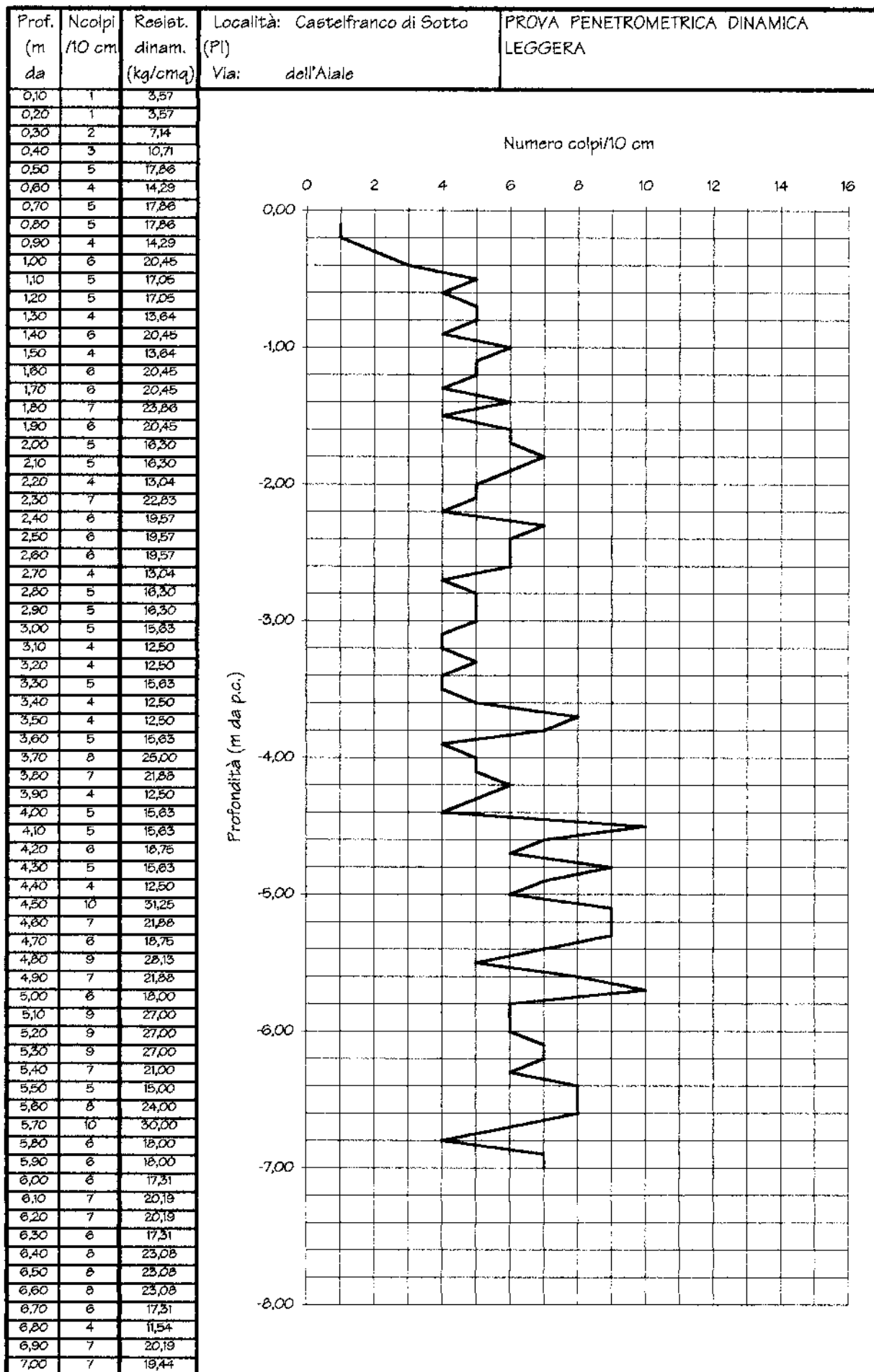
Rat = Resistenza attrito laterale (Kg/cmq)*150

Rt = Resistenza totale sulle aste (kg)

Begemann = Rapporto Begemann

Committente: Donati Pellegrino
Cantiere: via Francesca sud
Località Capoluogo
Comune: Castel.co Sotto
Data: 04/05/98

Prof.	Rpt	Rat	Rt	Begemann		Rp (Kg/cmq)	Cu	mv
0,2	130	190	250	33	0,20	13	0,4	26
0,4	160	280	550	20	0,20	16	0,5	21
0,6	180	360	750	15	0,20	18	0,6	19
0,8	250	420	900	22	0,50	25	0,8	13
1,0	340	500	1000	32	0,40	34	1,1	10
1,2	480	750	1200	27	0,50	48	1,6	7
1,4	390	650	1250	23	0,20	39	1,3	9
1,6	260	570	1300	13	0,40	26	0,9	13
1,8	230	420	1250	18	0,50	23	0,8	14
2,0	220	410	1300	17	1,10	22	0,7	15
2,2	110	300	1400	9	0,60	11	0,4	30
2,4	140	250	1400	19	0,40	14	0,5	24
2,6	170	290	1350	21	1,10	17	0,6	20
2,8	160	270	1600	22	1,20	16	0,5	21
3,0	420	540	1700	53	0,90	42	1,4	8
3,2	400	570	1800	35	0,70	40	1,3	8
3,4	170	350	1700	14	0,40	17	0,6	20
3,6	80	240	1650	8	0,50	8	0,3	42
3,8	140	180	1700	53	0,30	14	0,5	24
4,0	160	260	1750	24	0,30	16	0,5	21
4,2	180	240	2000	45	0,70	18	0,6	19
4,4	110	220	2100	15	0,60	11	0,4	30
4,6	260	330	2200	56	0,70	26	0,9	13
4,8	110	180	2200	24	0,60	11	0,4	30
5,0	30	170	2200	3	0,60	3	0,1	111
5,2	70	110	2300	26	0,90	7	0,2	48
5,4	60	110	2350	18	0,70	6	0,2	56
5,6	70	90	2500	53	0,50	7	0,2	48
5,8	120	170	2600	36	0,60	12	0,4	28
6,0	290	370	2750	54	0,50	29	1,0	11
6,2	400	500	3000	60	0,50	40	1,3	8
6,4	440	580	3150	47	0,60	44	1,5	8
6,6	300	420	3150	38	0,50	30	1,0	11
6,8	380	500	3100	48	0,50	38	1,3	9
7,0	350	460	3050	48	0,50	35	1,2	10
7,2	340	500	3050	32	0,50	34	1,1	10
7,4	430	530	3000	65	0,40	43	1,4	8
7,6	400	650	3150	24	0,50	40	1,3	8
7,8	600	730	3150	69	0,50	60	2,0	6
8,0	420	630	2850	30	0,50	42	1,4	8
8,2	170	420	3000	10	0,60	17	0,6	20
8,4	310	420	2900	42	0,30	31	1,0	11
8,6	350	470	3000	44	0,60	35	1,2	10
8,8	320	500	3100	27	0,60	32	1,1	10
9,0	400	510	3100	55	0,50	40	1,3	8
9,2	350	500	3300	35	0,30	35	1,2	10
9,4	480	650	3400	42	0,20	48	1,6	7
9,6	520	680	3350	49	0,10	52	1,7	6
9,8	280	420	3300	30	0,60	28	0,9	12
10,0	420	630	3400	30	0,60	42	1,4	8



LEGENDA:

Prof. = profondità in metri

Rpt = Resistenza alla punta (kg/cmq)*10

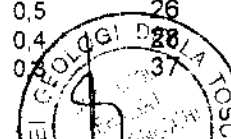
Rat = Resistenza attrito laterale (Kg/cmq)*150

Rt = Resistenza totale sulle aste (kg)

Begemann = Rapporto Begemann

Committente: TOSCOSUD**Cantiere: Macrolotto ind.****Località Capoluogo****Comune: Castel.co Sotto****Data: 27/03/98**

Prof.	Rpt	Rat	Rt	Begemann	Rp (Kg/cmq)	Cu	mv
0,2	40	80	150	15	4	0,1	83
0,4	50	120	200	11	5	0,2	67
0,6	60	100	250	23	6	0,2	56
0,8	120	170	350	36	12	0,4	28
1,0	130	220	400	22	13	0,5	26
1,2	170	300	550	20	17	0,6	20
1,4	220	380	600	21	22	0,8	15
1,6	160	240	700	30	16	0,6	21
1,8	210	360	800	21	21	0,7	16
2,0	130	210	750	24	13	0,5	26
2,2	170	310	800	18	17	0,6	20
2,4	230	310	1000	43	23	0,8	14
2,6	160	300	1100	17	16	0,6	21
2,8	190	350	1250	18	19	0,7	18
3,0	170	310	1400	18	17	0,6	20
3,2	180	310	1550	21	18	0,6	19
3,4	190	300	1700	26	19	0,7	18
3,6	280	400	1900	35	28	1,0	12
3,8	280	430	2050	28	28	1,0	12
4,0	310	460	2300	31	31	1,1	11
4,2	290	500	2500	21	29	1,0	11
4,4	320	500	2600	27	32	1,1	10
4,6	290	440	2750	29	29	1,0	11
4,8	320	510	2900	25	32	1,1	10
5,0	330	520	3100	26	33	1,2	10
5,2	280	430	3300	28	28	1,0	12
5,4	240	350	3500	33	24	0,9	14
5,6	290	470	3600	24	29	1,0	11
5,8	230	410	3750	19	23	0,8	14
6,0	230	370	3900	25	23	0,8	14
6,2	250	400	4000	25	25	0,9	13
6,4	240	400	4150	23	24	0,9	14
6,6	210	370	4200	20	21	0,7	16
6,8	180	310	4250	21	18	0,6	19
7,0	170	300	4300	20	17	0,6	20
7,2	190	330	4500	20	19	0,7	18
7,4	250	400	4600	25	25	0,9	13
7,6	290	430	4750	31	29	1,0	11
7,8	160	320	4900	15	16	0,6	21
8,0	100	320	4950	7	10	0,4	33
8,2	120	300	5000	10	12	0,4	28
8,4	110	300	5050	9	11	0,4	30
8,6	110	170	5100	28	11	0,4	30
8,8	130	160	5200	65	13	0,5	26
9,0	100	130	5300	50	10	0,4	33
9,2	90	160	5350	19	9	0,3	37
9,4	100	160	5400	25	10	0,4	33
9,6	130	170	5500	49	13	0,5	26
9,8	120	170	5600	36	12	0,4	33
10,0	90	130	5650	34	9	0,3	37



LEGENDA:

Prof. = profondità in metri

Rpt = Resistenza alla punta (kg/cmq)*10

Rat = Resistenza attrito laterale (Kg/cmq)*150

Rt = Resistenza totale sulle aste (kg)

Begemann = Rapporto Begemann

Committente: Amm. Comunale**Cantiere: Scuola "C. Guerrazzi"****Località: Castelfranco di Sotto****Comune: Castelfranco di Sotto****Data: 03/05/97**

Prof.	Rpt	Rat	Rt	Begemann	Rp (Kg/cmq)
0,2	130	190	250	0	13
0,4	160	280	550	20	16
0,6	180	360	750	15	18
0,8	250	420	900	22	25
1,0	340	500	1000	32	34
1,2	480	750	1200	27	48
1,4	390	650	1250	23	39
1,6	260	570	1300	13	26
1,8	230	420	1250	18	23
2,0	220	410	1300	17	22
2,2	110	300	1400	9	11
2,4	140	250	1400	19	14
2,6	170	290	1350	21	17
2,8	160	270	1600	22	16
3,0	420	540	1700	53	42
3,2	400	570	1800	35	40
3,4	170	350	1700	14	17
3,6	80	240	1650	8	8
3,8	140	180	1700	53	14
4,0	160	260	1750	24	16
4,2	180	240	2000	45	18
4,4	110	220	2100	15	11
4,6	260	330	2200	56	26
4,8	110	180	2200	24	11
5,0	30	170	2200	3	3
5,2	70	110	2300	26	7
5,4	60	110	2350	18	6
5,6	70	90	2500	53	7
5,8	120	170	2600	36	12
6,0	290	370	2750	54	29
6,2	400	500	3000	60	40
6,4	440	580	3150	47	44
6,6	300	420	3150	38	30
6,8	380	500	3100	48	38
7,0	350	460	3050	48	35
7,2	340	500	3050	32	34
7,4	430	530	3000	65	43
7,6	400	650	3150	24	40
7,8	600	730	3150	69	60
8,0	420	630	2850	30	42
8,2	170	420	3000	10	17
8,4	310	420	2900	42	31
8,6	350	470	3000	44	35
8,8	320	500	3100	27	32
9,0	400	510	3100	55	40
9,2	350	500	3300	35	35
9,4	480	650	3400	42	48
9,6	520	680	3350	49	52
9,8	280	420	3300	30	28
10,0	420	630	3400	30	42



LEGENDA:

Prof. = profondità in metri

Rpt = Resistenza alla punta (kg/cmq)*10

Rat = Resistenza attrito laterale (Kg/cmq)*150

Rt = Resistenza totale sulle aste (kg)

Begemann = Rapporto Begemann

Committente: Amm. Comunale**Cantiere: Scuola "C. Guerrazzi"****Località Castelfranco di Sotto****Comune: Castelfranco di Sotto****Data: 03/05/97**

Prof.	Rpt	Rat	Rt	Begemann	Rp (Kg/cmq)
0,2	100	140	300	0	10
0,4	150	260	500	20	15
0,6	210	380	600	19	21
0,8	200	320	800	25	20
1,0	260	540	1000	14	26
1,2	210	360	1100	21	21
1,4	300	570	1200	17	30
1,6	190	290	1200	29	19
1,8	140	230	1300	23	14
2,0	150	270	1250	19	15
2,2	120	210	1300	20	12
2,4	140	250	1300	19	14
2,6	150	240	1400	25	15
2,8	180	290	1400	25	18
3,0	280	350	1550	60	28
3,2	320	400	1600	60	
3,4	210	290	1550	39	
3,6	130	190	1600	33	
3,8	100	140	1650	38	
4,0	70	110	1600	26	
4,2	120	240	1550	15	
4,4	180	260	1700	34	
4,6	150	250	1650	23	
4,8	110	150	1900	41	11
5,0	100	130	1950	50	10
5,2	120	180	2000	30	12
5,4	90	130	2000	34	9
5,6	80	100	2050	60	8
5,8	110	160	2150	33	11
6,0	100	130	2300	50	10
6,2	170	240	2200	36	17
6,4	320	400	2300	60	32
6,6	410	500	2400	68	41
6,8	330	400	2500	71	33
7,0	290	360	2600	62	29
7,2	320	460	2700	34	32
7,4	440	620	2950	37	44
7,6	510	700	3100	40	51
7,8	320	450	3200	37	32
8,0	160	350	3200	13	16
8,2	210	360	3150	21	21
8,4	280	500	3200	19	28
8,6	300	490	3300	24	30
8,8	250	420	3400	22	25
9,0	340	490	3400	34	34
9,2	300	420	3350	38	30
9,4	410	600	3400	32	41
9,6	360	540	3500	30	36
9,8	280	400	3600	35	28
10,0	340	500	3500	32	34



LEGENDA:

Prof. = profondità in metri

Rpt = Resistenza alla punta (kg/cmq)*10

Rat = Resistenza attrito laterale (Kg/cmq)*150

Rt = Resistenza totale sulle aste (kg)

Begemann = Rapporto Begemann

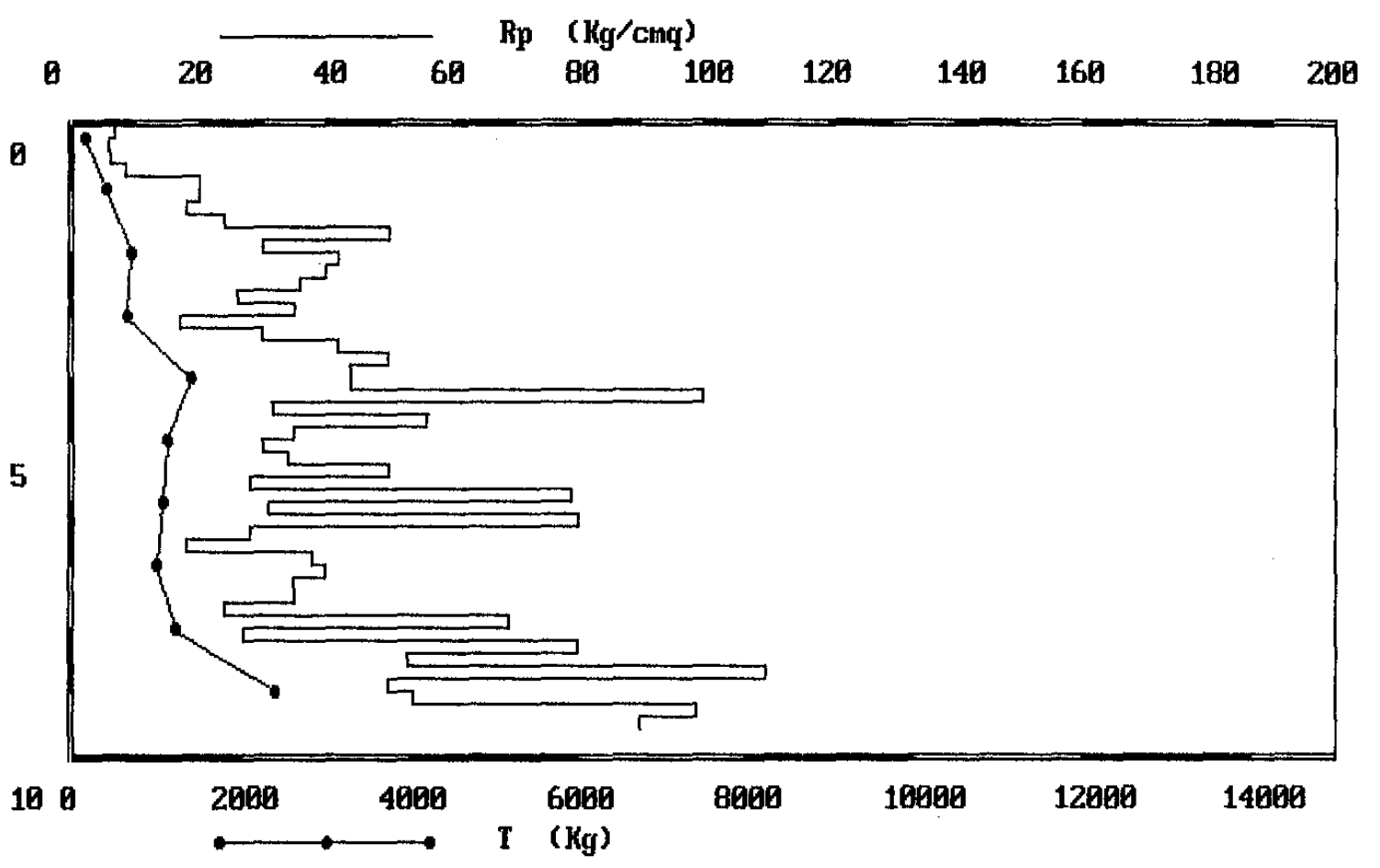
Committente: MARTINI, MONTI**Cantiere: Macrolotto ind.****Località Capoluogo****Comune: Castel.co Sotto****Data: 22/06/98**

Prof.	Rpt	Rat	Rt	Begemann	Rp (Kg/cmq)	Cu	mv
0,2	40	80	150	15	4	0,1	83
0,4	50	120	200	11	5	0,2	67
0,6	60	100	250	23	6	0,2	56
0,8	120	170	350	36	12	0,4	28
1,0	130	220	400	22	13	0,5	26
1,2	170	300	550	20	17	0,6	20
1,4	220	380	600	21	22	0,8	15
1,6	160	240	700	30	16	0,6	21
1,8	210	360	800	21	21	0,7	16
2,0	130	210	750	24	13	0,5	26
2,2	170	310	800	18	17	0,6	20
2,4	230	310	1000	43	23	0,8	14
2,6	160	300	1100	17	16	0,6	21
2,8	190	350	1250	18	19	0,7	18
3,0	170	310	1400	18	17	0,6	20
3,2	180	310	1550	21	18	0,6	19
3,4	190	300	1700	26	19	0,7	18
3,6	280	400	1900	35	28	1,0	12
3,8	280	430	2050	28	28	1,0	12
4,0	310	460	2300	31	31	1,1	11
4,2	290	500	2500	21	29	1,0	10
4,4	320	500	2600	27	32	1,1	10
4,6	290	440	2750	29	29	1,0	10
4,8	320	510	2900	25	32	1,1	10
5,0	330	520	3100	26	33	1,2	10
5,2	280	430	3300	28	28	1,0	12
5,4	240	350	3500	33	24	0,9	14
5,6	290	470	3600	24	29	1,0	11
5,8	230	410	3750	19	23	0,8	14
6,0	230	370	3900	25	23	0,8	14
6,2	250	400	4000	25	25	0,9	13
6,4	240	400	4150	23	24	0,9	14
6,6	210	370	4200	20	21	0,7	16
6,8	180	310	4250	21	18	0,6	19
7,0	170	300	4300	20	17	0,6	20
7,2	190	330	4500	20	19	0,7	18
7,4	250	400	4600	25	25	0,9	13
7,6	290	430	4750	31	29	1,0	11
7,8	160	320	4900	15	16	0,6	21
8,0	100	320	4950	7	10	0,4	33
8,2	120	300	5000	10	12	0,4	28
8,4	110	300	5050	9	11	0,4	30
8,6	110	170	5100	28	11	0,4	30
8,8	130	160	5200	65	13	0,5	26
9,0	100	130	5300	50	10	0,4	33
9,2	90	160	5350	19	9	0,3	37
9,4	100	160	5400	25	10	0,4	33
9,6	130	170	5500	49	13	0,5	26
9,8	120	170	5600	36	12	0,4	28
10,0	90	130	5650	34	9	0,3	37



Data:11/06/99 Prova:P1				
Committente: Ferrucci Mario			Località: Castelfranco di sotto - Pisa	
Tipologia intervento:Ampliamento di fabbricato per civile abitazione				
m.	Qc (dN/cm ²)	Rl (dN/cm ²)	Fs (dN/cm ²)	Qc/Fs (%)
0,20	43	59	1,07	40,19
0,40	67	80	0,87	77,01
0,60	41	56	1,00	41,00
0,80	34	47	0,87	39,08
1,00	22	41	1,27	17,32
1,20	17	32	1,00	17,00
1,40	13	28	1,00	13,00
1,60	11	15	0,27	40,74
1,80	14	18	0,27	51,85
2,00	28	41	0,87	32,18
2,20	28	42	0,93	30,11
2,40	16	31	1,00	16,00
2,60	8	16	0,53	15,09
2,80	6	12	0,40	15,00
3,00	11	14	0,20	55,00
3,20	5	10	0,33	15,15
3,40	4	8	0,27	14,81
3,60	21	26	0,33	63,64
3,80	16	19	0,20	80,00
4,00	9	18	0,60	15,00
4,20	20	26	0,40	50,00
4,40	19	24	0,33	57,58
4,60	8	16	0,53	15,09
4,80	6	12	0,40	15,00
5,00	6	13	0,47	12,77
5,20	8	16	0,53	15,09
5,40	9	13	0,27	33,33
5,60	9	13	0,27	33,33
5,80	9	17	0,53	16,98
6,00	8	14	0,40	20,00
6,20	7	11	0,27	25,93
6,40	8	16	0,53	15,09
6,60	10	13	0,20	50,00
6,80	8	15	0,47	17,02
7,00	7	12	0,33	21,21
7,20	9	12	0,20	45,00
7,40	8	11	0,20	40,00
7,60	8	14	0,40	20,00
7,80	7	12	0,33	21,21
8,00	7	11	0,27	25,93
8,20	11	14	0,20	55,00
8,40	8	14	0,40	20,00
8,60	7	12	0,33	21,21
8,80	7	12	0,33	21,21
9,00	8	15	0,47	17,02
9,20	7	14	0,47	14,89
9,40	8	16	0,53	15,09
9,60	9	19	0,87	13,43
9,80	7	14	0,47	14,89
10,00	6	12	0,40	15,00

m.:Profondità; Qc:Resistenza alla Punta; Rl: Resistenza laterale totale; Fs:Resistenza specifica al Manicotto;
Qc/Fs: Rapporto Begemann



RILIEVI DI CAMPAGNA				V A L O R I D E R I V A T I							
Prof (m)	L E T T U R E			Rp	Rt	Rf	Rp/Rf	Φ	Dr	cu	mv
	P.TA	LAT.	TOT.								
0.2	0	0	0	0.13	0	0.00	0.00	0	0	0.01	7.692
0.4	0	0	0	0.13	0	0.00	0.00	0	0	0.01	7.692
0.6	45	111	0	45.13	0	4.40	0.03	0	0	1.88	0.022
0.8	85	97	0	85.13	0	0.80	56.41	32	57	0.00	0.008
1.0	46	53	60	46.13	600	0.47	182.42	37	23	0.00	0.014
1.2	16	21	0	16.26	0	0.33	138.39	34	8	0.00	0.031
1.4	57	73	0	57.26	0	1.07	15.24	0	0	2.39	0.009
1.6	36	55	0	36.26	0	1.27	45.21	29	40	0.00	0.006
1.8	13	41	0	13.26	0	1.87	19.43	0	0	0.80	0.022
2.0	13	22	91	13.26	910	0.60	22.10	0	0	0.80	0.022
2.2	11	18	0	11.39	0	0.47	28.41	26	32	0.00	0.044
2.4	12	18	0	12.39	0	0.40	28.48	26	34	0.00	0.040
2.6	14	22	0	14.39	0	0.53	23.23	0	0	0.87	0.020
2.8	14	23	0	14.39	0	0.60	23.98	0	0	0.87	0.020
3.0	12	20	81	12.39	810	0.53	26.98	26	35	0.75	0.040
3.2	12	21	0	12.52	0	0.60	20.65	0	0	0.76	0.023
3.4	14	21	0	14.52	0	0.47	26.83	26	37	0.88	0.034
3.6	15	30	0	15.52	0	1.00	14.52	0	0	0.94	0.018
3.8	19	34	0	19.52	0	1.00	15.52	0	0	1.18	0.015
4.0	18	36	107	18.52	1070	1.20	16.27	0	0	1.12	0.015
4.2	21	40	0	21.65	0	1.27	14.62	0	0	1.31	0.023
4.4	23	42	0	23.65	0	1.27	17.09	0	0	0.99	0.021
4.6	21	45	0	21.65	0	1.60	14.78	0	0	1.31	0.023
4.8	23	43	0	23.65	0	1.33	16.24	0	0	0.99	0.021
5.0	20	38	181	20.65	1810	1.20	19.71	0	0	1.25	0.024
5.2	18	39	0	18.78	0	1.40	14.75	0	0	1.14	0.015
5.4	17	33	0	17.78	0	1.07	17.61	0	0	1.08	0.016
5.6	14	29	0	14.78	0	1.00	17.78	0	0	0.90	0.019
5.8	15	30	0	15.78	0	1.00	14.78	0	0	0.96	0.018
6.0	14	29	223	14.78	2230	1.00	15.78	0	0	0.90	0.019
6.2	17	32	0	17.91	0	1.00	14.78	0	0	1.09	0.016
6.4	21	34	0	21.91	0	0.87	20.67	0	0	1.33	0.023
6.6	16	33	0	16.91	0	1.13	19.33	0	0	1.02	0.017
6.8	16	31	0	16.91	0	1.00	16.91	0	0	1.02	0.017
7.0	13	26	249	13.91	2490	0.87	19.51	0	0	0.84	0.021
7.2	12	24	0	13.04	0	0.80	17.39	0	0	0.79	0.022
7.4	15	26	0	16.04	0	0.73	17.78	0	0	0.97	0.018
7.6	12	29	0	13.04	0	1.13	14.15	0	0	0.79	0.022
7.8	13	25	0	14.04	0	0.80	16.30	0	0	0.85	0.020
8.0	14	25	274	15.04	2740	0.73	19.15	0	0	0.91	0.019
8.2	12	24	0	13.17	0	0.80	18.80	0	0	0.80	0.022
8.4	8	18	0	9.17	0	0.67	19.75	0	0	0.56	0.044
8.6	8	13	0	9.17	0	0.33	27.51	25	28	0.00	0.055
8.8	8	14	0	9.17	0	0.40	22.92	0	0	0.56	0.044
9.0	14	23	288	15.17	2880	0.60	15.28	0	0	0.92	0.019
9.2	12	25	0	13.30	0	0.87	17.50	0	0	0.81	0.021
9.4	10	20	0	11.30	0	0.67	19.95	0	0	0.68	0.025
9.6	8	16	0	9.30	0	0.53	21.19	0	0	0.56	0.043
9.8	9	17	0	10.30	0	0.53	17.44	0	0	0.62	0.028
10.0	10	17	292	11.30	2920	0.47	22.07	0	0	0.68	0.025

Quota : m d.p.c.

Livello Falda : -m d.p.c. 2.4

LEGENDA:

Prof. = profondità in metri

Rpt = Resistenza alla punta (kg/cmq)*10

Rat = Resistenza attrito laterale (Kg/cmq)*150

Rt = Resistenza totale sulle aste (kg)

Begemann = Rapporto Begemann

Committente: IMM. STELLA snc

Cantiere: Via delle Confina

Località Castelfranco di Sotto

Comune: Castelfranco di Sotto

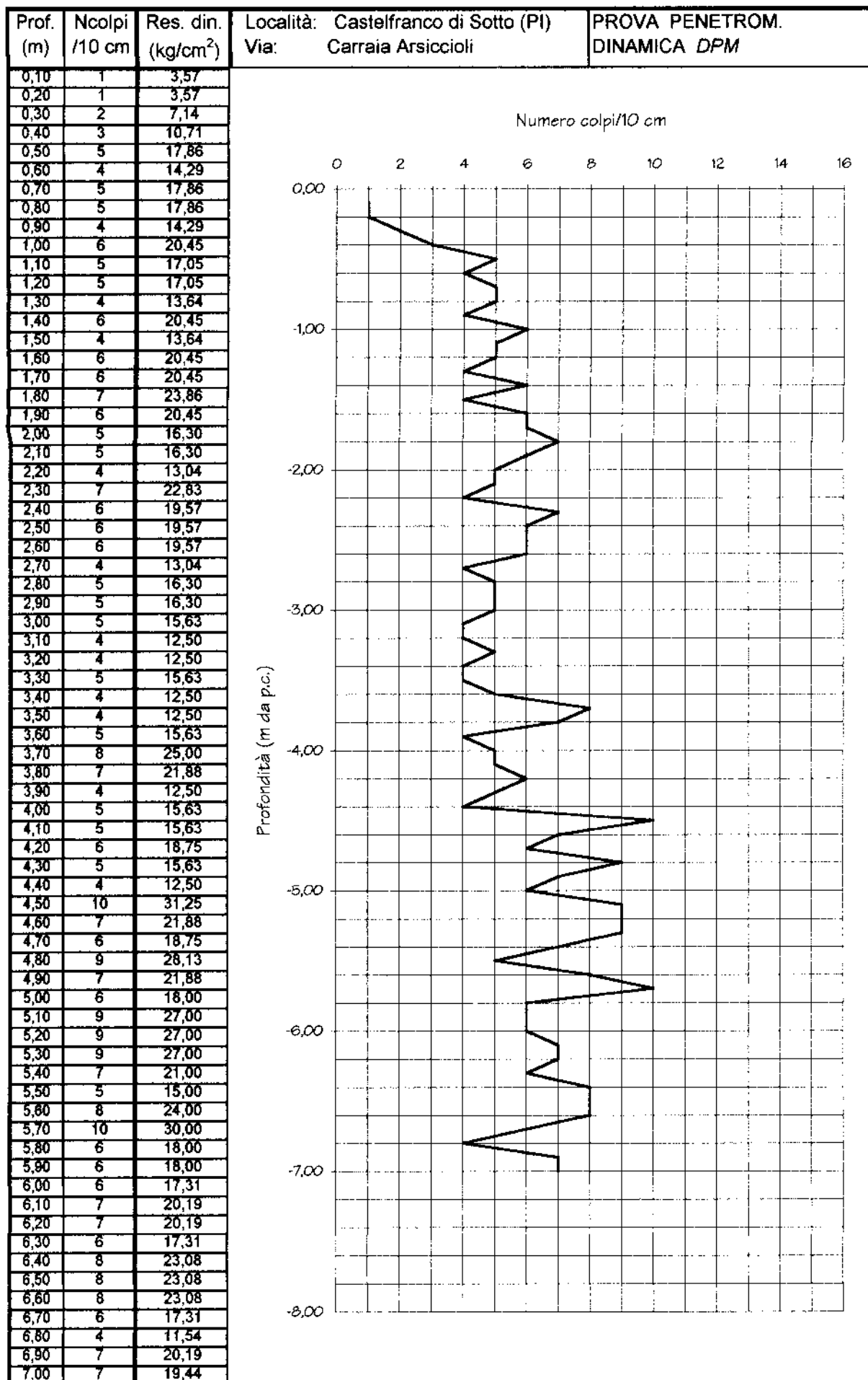
Data: 03/11/98

Prof.	Rpt	Rat	Rt	Begemann	Rp (Kg/cmq)	mv
0,2	180	320	600	19	18	18
0,4	120	200	500	23	12	18
0,6	80	140	500	20	8	36
0,8	100	160	600	25	10	22
1,0	90	150	650	23	9	20
1,2	130	220	750	22	13	22
1,4	120	230	800	16	12	17
1,6	120	220	900	18	12	17
1,8	140	260	950	18	14	14
2,0	140	260	1050	18	14	14
2,2	160	290	1200	18	16	13
2,4	120	260	1400	13	12	12
2,6	160	300	1500	17	16	12
2,8	160	300	1600	17	16	13
3,0	160	310	1700	16	16	13
3,2	170	300	1800	20	17	12
3,4	220	320	1900	33	22	12
3,6	150	260	2000	20	15	11
3,8	100	180	2050	19	10	15
4,0	120	170	2050	36	12	28
4,2	100	170	2200	21	10	20
4,4	150	210	2350	38	15	22
4,6	190	290	2350	29	19	17
4,8	200	350	2450	20	20	10
5,0	160	300	2600	17	16	10
5,2	190	350	2700	18	19	11
5,4	150	290	2850	16	15	13
5,6	140	240	2900	21	14	14
5,8	110	210	3050	17	11	18
6,0	100	180	3100	19	10	20
6,2	90	200	3200	12	9	28
6,4	120	200	3350	23	12	17
6,6	130	170	3500	49	13	15
6,8	110	150	3600	41	11	15
7,0	120	240	3650	15	12	17
7,2	130	230	3700	20	13	15
7,4	100	160	3800	25	10	15
7,6	150	260	3750	20	15	13
7,8	130	260	3800	15	13	15
8,0	100	210	3700	14	10	20
8,2	70	160	3800	12	7	36
8,4	90	120	3850	45	9	48
8,6	70	90	3800	53	7	71
8,8	50	80	3900	25	5	50
9,0	70	90	3900	53	7	71
9,2	80	120	3800	30	8	31
9,4	60	100	3900	23	6	33
9,6	90	130	4000	34	9	37
9,8	110	150	3900	41	11	30
10,0	90	120	4000	45	9	42



Prof. m	RP/10 kg/cm ²	RL/10 kg/cm ²	Qc kg/cm ²	fs kg/cm ²	Qc/fs	Prof. m	RP/10 kg/cm ²	RL/10 kg/cm ²	Qc kg/cm ²	fs kg/cm ²	Qc/fs
0,20	---	---	---	---	---	4,20	7,5	12,5	15,0	0,60	25,0
0,40	---	---	---	0,13	---	4,40	4,5	9,0	9,0	0,40	22,0
0,60	4,5	5,5	9,0	0,40	22,0	4,60	3,0	6,0	6,0	0,27	22,0
0,80	6,5	9,5	13,0	0,53	24,0	4,80	3,5	5,5	7,0	0,33	21,0
1,00	6,5	10,5	13,0	0,20	65,0	5,00	4,0	6,5	8,0	0,27	30,0
1,20	13,0	14,5	26,0	0,93	28,0	5,20	3,5	5,5	7,0	0,20	35,0
1,40	9,5	16,5	19,0	1,13	17,0	5,40	2,5	4,0	5,0	0,13	37,0
1,60	9,5	18,0	19,0	1,20	16,0	5,60	2,5	3,5	5,0	0,13	37,0
1,80	9,0	18,0	18,0	1,33	13,0	5,80	2,0	3,0	4,0	0,20	20,0
2,00	7,0	17,0	14,0	0,73	19,0	6,00	2,0	3,5	4,0	0,07	60,0
2,20	6,0	11,5	12,0	0,67	18,0	6,20	3,5	4,0	7,0	0,13	52,0
2,40	5,5	10,5	11,0	0,60	18,0	6,40	3,0	4,0	6,0	0,07	90,0
2,60	6,5	11,0	13,0	0,60	22,0	6,60	5,5	6,0	11,0	0,13	82,0
2,80	8,0	12,5	16,0	0,40	40,0	6,80	4,0	5,0	8,0	0,07	120,0
3,00	8,0	11,0	16,0	0,67	24,0	7,00	5,0	5,5	10,0	0,47	21,0
3,20	8,0	13,0	16,0	0,80	20,0	7,20	3,5	7,0	7,0	0,20	35,0
3,40	7,5	13,5	15,0	0,73	20,0	7,40	3,5	5,0	7,0	0,20	35,0
3,60	8,5	14,0	17,0	0,60	28,0	7,60	3,5	5,0	7,0	0,27	26,0
3,80	8,5	13,0	17,0	0,80	21,0	7,80	4,0	6,0	8,0	0,27	30,0
4,00	8,0	14,0	16,0	0,67	24,0	8,00	5,5	7,5	11,0	---	---

- PENETROMETRO STATICO tipo GOUDA da 5 t - (con anello allargatore) -
- COSTANTE DI TRASFORMAZIONE Ct = 20 - Velocità Avanzamento punta 2 cm/s
- punta meccanica tipo Begemann $\phi = 35,7$ mm (area punta 10 cm² - apertura 60°)
- manicotto laterale (superficie 150 cm²)



Profondità (m)	Rp (Kg/cmq)	Rf (Kg/cmq)	Rt (Kg)	Rp/Rf	FR %	Litotipo (cl. secondo Searle)
0,2	0,22	0,00	0	-293,57	-0,34	GHIAIA
0,4	0,25	0,00	0	-293,57	-0,34	GHIAIA
0,6	18,27	0,07	0	278,00	0,36	GHIAIA
0,8	16,30	0,73	0	22,26	4,49	LIMO ARGILLOSO
1,0	8,33	1,00	0	8,34	11,99	ARGILLA
1,2	20,36	0,40	0	51,05	1,96	SABBIA LIMOSA
1,4	29,38	0,80	0	36,79	2,72	SABBIA ARGILLOSO-LIMOSA
1,6	40,41	1,40	0	28,89	3,46	LIMO ARGILLOSO-SABBIOSO
1,8	41,44	1,40	0	29,63	3,37	LIMO ARGILLOSO-SABBIOSO
2,0	46,47	1,40	0	33,23	3,01	SABBIA ARGILLOSO-LIMOSA
2,2	68,49	1,60	0	42,85	2,33	SABBIA ARGILLOSO-LIMOSA
2,4	56,52	1,86	0	30,31	3,30	LIMO ARGILLOSO-SABBIOSO
2,6	53,55	1,13	0	47,33	2,11	SABBIA LIMOSA
2,8	47,58	1,40	0	34,03	2,94	SABBIA ARGILLOSO-LIMOSA
3,0	45,60	1,80	0	25,36	3,94	LIMO ARGILLOSO-SABBIOSO
3,2	48,63	1,46	0	33,21	3,01	SABBIA ARGILLOSO-LIMOSA
3,4	42,66	0,73	0	58,35	1,71	SABBIA LIMOSA
3,6	14,69	1,06	0	13,80	7,25	ARGILLA LIMOSA
3,8	12,71	0,86	0	14,71	6,80	ARGILLA LIMOSA
4,0	12,74	0,46	0	27,45	3,64	LIMO ARGILLOSO-SABBIOSO
4,2	28,77	0,80	0	36,08	2,77	SABBIA ARGILLOSO-LIMOSA
4,4	20,79	0,93	0	22,34	4,48	LIMO ARGILLOSO
4,6	9,82	0,86	0	11,37	8,80	ARGILLA
4,8	8,85	0,66	0	13,33	7,50	ARGILLA LIMOSA
5,0	16,88	0,26	0	64,00	1,56	SABBIA FINO-MEDIA

Prof. m	Letture di campagna		Rp	RL	Rp/RL	Prof. m	Letture di campagna		Rp	RL	Rp/RL
	punta	laterale	kg/cm ²				punta	laterale	kg/cm ²		
0,20	4,0	6,0	8,0	0,27	30,0	5,20	9,0	17,0	18,0	1,00	18,0
0,40	2,0	4,0	4,0	0,27	15,0	5,40	7,0	14,5	14,0	1,13	12,0
0,60	6,0	8,0	12,0	0,53	22,0	5,60	9,5	18,0	19,0	1,40	14,0
0,80	5,0	9,0	10,0	0,20	50,0	5,80	10,0	20,5	20,0	1,40	14,0
1,00	6,0	7,5	12,0	0,67	18,0	6,00	10,5	21,0	21,0	1,20	17,0
1,20	8,0	13,0	16,0	0,80	20,0	6,20	8,5	17,5	17,0	1,33	13,0
1,40	8,0	14,0	16,0	0,80	20,0	6,40	10,0	20,0	20,0	1,33	15,0
1,60	8,5	14,5	17,0	0,87	20,0	6,60	10,0	20,0	20,0	1,07	19,0
1,80	8,5	15,0	17,0	1,13	15,0	6,80	8,0	16,0	16,0	1,20	13,0
2,00	10,5	19,0	21,0	0,73	29,0	7,00	8,5	17,5	17,0	1,27	13,0
2,20	12,5	18,0	25,0	1,13	22,0	7,20	10,5	20,0	21,0	1,00	21,0
2,40	13,5	22,0	27,0	1,20	22,0	7,40	7,5	15,0	15,0	1,07	14,0
2,60	16,0	25,0	32,0	1,47	22,0	7,60	8,0	16,0	16,0	1,07	15,0
2,80	15,5	26,5	31,0	1,27	24,0	7,80	6,0	14,0	12,0	0,80	15,0
3,00	14,5	24,0	29,0	0,80	36,0	8,00	6,0	12,0	12,0	0,73	16,0
3,20	17,0	23,0	34,0	1,07	32,0	8,20	4,5	10,0	9,0	0,60	15,0
3,40	16,0	24,0	32,0	1,33	24,0	8,40	5,0	9,5	10,0	0,53	19,0
3,60	15,5	25,5	31,0	1,80	17,0	8,60	11,0	15,0	22,0	0,80	27,0
3,80	14,5	28,0	29,0	1,73	17,0	8,80	5,0	11,0	10,0	0,73	14,0
4,00	16,0	29,0	32,0	1,60	20,0	9,00	5,0	10,5	10,0	0,53	19,0
4,20	14,0	26,0	28,0	1,60	17,0	9,20	5,0	9,0	10,0	0,53	19,0
4,40	11,5	23,5	23,0	1,33	17,0	9,40	6,0	10,0	12,0	0,73	16,0
4,60	10,0	20,0	20,0	1,20	17,0	9,60	5,5	11,0	11,0	0,80	14,0
4,80	10,5	19,5	21,0	1,20	17,0	9,80	5,5	11,5	11,0	0,80	14,0
5,00	13,0	22,0	26,0	1,07	24,0	10,00	5,0	11,0	10,0	---	---

- PENETROMETRO STATICO tipo GOUDA da 8 t - (con anello allargatore) -
- COSTANTE DI TRASFORMAZIONE Ct = 20 - Velocità Avanzamento punta 2 cm/s
- punta meccanica tipo Begemann $\phi = 35,7$ mm (area punta 10 cm² - apertura 60°)
- manicotto laterale (superficie 150 cm²)

Prof. m	Letture di campagna		Rp	RL	Rp/RL	Prof. m	Letture di campagna		Rp	RL	Rp/RL
	punta	laterale	kg/cm ²				punta	laterale	kg/cm ²		
0,20	6,0	8,0	12,0	0,27	45,0	5,20	10,0	20,0	20,0	1,53	13,0
0,40	7,0	9,0	14,0	0,47	30,0	5,40	9,5	21,0	19,0	1,53	12,0
0,60	7,0	10,5	14,0	0,47	30,0	5,60	9,0	20,5	18,0	1,60	11,0
0,80	5,0	8,5	10,0	0,47	21,0	5,80	10,0	22,0	20,0	1,47	14,0
1,00	6,5	10,0	13,0	0,67	19,0	6,00	9,0	20,0	18,0	1,33	13,0
1,20	10,0	15,0	20,0	1,00	20,0	6,20	9,0	19,0	18,0	1,47	12,0
1,40	11,5	19,0	23,0	1,27	18,0	6,40	9,0	20,0	18,0	1,40	13,0
1,60	11,5	21,0	23,0	1,33	17,0	6,60	7,5	18,0	15,0	1,13	13,0
1,80	12,0	22,0	24,0	1,27	19,0	6,80	8,5	17,0	17,0	0,60	28,0
2,00	13,5	23,0	27,0	1,20	22,0	7,00	7,0	11,5	14,0	0,87	16,0
2,20	13,0	22,0	26,0	1,07	24,0	7,20	5,5	12,0	11,0	0,80	14,0
2,40	13,0	21,0	26,0	1,20	22,0	7,40	5,0	11,0	10,0	0,73	14,0
2,60	12,0	21,0	24,0	1,60	15,0	7,60	5,5	11,0	11,0	0,60	18,0
2,80	15,0	27,0	30,0	2,13	14,0	7,80	5,0	9,5	10,0	0,67	15,0
3,00	15,0	31,0	30,0	1,60	19,0	8,00	5,0	10,0	10,0	0,47	21,0
3,20	15,0	27,0	30,0	2,00	15,0	8,20	2,5	6,0	5,0	0,40	12,0
3,40	12,0	27,0	24,0	1,67	14,0	8,40	3,0	6,0	6,0	0,33	18,0
3,60	10,5	23,0	21,0	1,53	14,0	8,60	3,0	5,5	6,0	0,33	18,0
3,80	11,5	23,0	23,0	1,53	15,0	8,80	3,0	5,5	6,0	0,53	11,0
4,00	12,0	23,5	24,0	1,47	16,0	9,00	6,0	10,0	12,0	0,53	22,0
4,20	9,0	20,0	18,0	1,67	11,0	9,20	4,0	8,0	8,0	0,40	20,0
4,40	10,5	23,0	21,0	1,53	14,0	9,40	7,0	10,0	14,0	0,73	19,0
4,60	10,5	22,0	21,0	1,40	15,0	9,60	4,0	9,5	8,0	0,60	13,0
4,80	11,5	22,0	23,0	1,40	16,0	9,80	4,5	9,0	9,0	0,53	17,0
5,00	12,5	23,0	25,0	1,33	19,0	10,00	5,0	9,0	10,0	---	---

- PENETROMETRO STATICO tipo GOUDA da 8 t - (con anello allargatore) -
- COSTANTE DI TRASFORMAZIONE $C_t = 20$ - Velocità Avanzamento punta 2 cm/s
- punta meccanica tipo Begemann $\phi = 35,7$ mm (area punta 10 cm² - apertura 60°)
- manicotto laterale (superficie 150 cm²)

Prof. m	Letture di campagna		Rp kg/cm ²	RL	Rp/RL	Prof. m	Letture di campagna		Rp kg/cm ²	RL	Rp/RL
	punta	laterale					punta	laterale			
0,20	2,0	3,0	4,0	0,27	15,0	5,20	11,5	23,5	23,0	1,60	14,0
0,40	6,0	8,0	12,0	0,40	30,0	5,40	10,0	22,0	20,0	1,33	15,0
0,60	7,0	10,0	14,0	0,33	42,0	5,60	9,0	19,0	18,0	1,33	13,0
0,80	6,0	8,5	12,0	0,33	36,0	5,80	9,0	19,0	18,0	1,47	12,0
1,00	6,0	8,5	12,0	0,80	15,0	6,00	10,0	21,0	20,0	1,20	17,0
1,20	7,0	13,0	14,0	0,60	23,0	6,20	8,5	17,5	17,0	1,13	15,0
1,40	7,5	12,0	15,0	0,67	22,0	6,40	7,0	15,5	14,0	1,20	12,0
1,60	7,5	12,5	15,0	0,67	22,0	6,60	8,0	17,0	16,0	0,93	17,0
1,80	7,0	12,0	14,0	0,73	19,0	6,80	6,5	13,5	13,0	0,87	15,0
2,00	7,5	13,0	15,0	0,73	20,0	7,00	8,0	14,5	16,0	1,00	16,0
2,20	9,5	15,0	19,0	0,93	20,0	7,20	7,0	14,5	14,0	0,80	17,0
2,40	12,5	19,5	25,0	1,20	21,0	7,40	13,0	19,0	26,0	1,20	22,0
2,60	13,5	22,5	27,0	1,20	22,0	7,60	13,0	22,0	26,0	0,67	39,0
2,80	14,0	23,0	28,0	1,20	23,0	7,80	20,0	25,0	40,0	1,00	40,0
3,00	14,0	23,0	28,0	0,87	32,0	8,00	7,0	14,5	14,0	0,87	16,0
3,20	13,5	20,0	27,0	0,93	29,0	8,20	5,5	12,0	11,0	0,73	15,0
3,40	13,0	20,0	26,0	1,20	22,0	8,40	6,0	11,5	12,0	0,80	15,0
3,60	14,0	23,0	28,0	1,47	19,0	8,60	5,5	11,5	11,0	0,80	14,0
3,80	14,0	25,0	28,0	1,20	23,0	8,80	4,5	10,5	9,0	0,67	13,0
4,00	13,0	22,0	26,0	1,13	23,0	9,00	4,5	9,5	9,0	0,67	13,0
4,20	13,0	21,5	26,0	1,60	16,0	9,20	4,0	9,0	8,0	0,67	12,0
4,40	14,0	26,0	28,0	1,80	16,0	9,40	4,5	9,5	9,0	0,67	13,0
4,60	10,0	23,5	20,0	1,73	12,0	9,60	4,5	9,5	9,0	0,67	13,0
4,80	9,0	22,0	18,0	1,40	13,0	9,80	5,0	10,0	10,0	0,73	14,0
5,00	11,0	21,5	22,0	1,60	14,0	10,00	5,0	10,5	10,0	---	---

- PENETROMETRO STATICO tipo GOUDA da 8 t - (con anello allargatore) -
- COSTANTE DI TRASFORMAZIONE $C_t = 20$ - Velocità Avanzamento punta 2 cm/s
- punta meccanica tipo Begemann $\phi = 35,7$ mm (area punta 10 cm² - apertura 60°)
- manicotto laterale (superficie 150 cm²)

VALORI MISURATI E CALCOLATI DI N

z (m)	N	Nc	Na
0,1	2	3	3
0,2	7	9	9
0,3	9	11	11
0,4	13	16	13
0,5	12	14	14
0,6	13	15	15
0,7	13	15	15
0,8	11	12	12
0,9	10	11	11
1,0	10	11	11
1,1	9	10	10
1,2	8	8	8
1,3	7	7	7
1,4	6	6	6
1,5	4	4	4
1,6	4	4	4
1,7	3	3	3
1,8	3	3	3
1,9	3	3	3
2,0	4	4	4
2,1	4	4	4
2,2	5	5	4
2,3	5	4	4
2,4	6	5	4
2,5	5	4	4
2,6	6	5	4
2,7	5	4	4
2,8	6	5	4
2,9	4	3	3
3,0	4	3	3
3,1	3	2	2
3,2	5	4	4
3,3	5	4	4
3,4	5	4	4
3,5	5	4	4
3,6	5	4	4
3,7	5	4	4
3,8	5	4	4
3,9	5	4	4
4,0	5	4	4
4,1	5	4	4
4,2	5	4	4
4,3	4	3	3
4,4	5	3	3
4,5	5	3	3
4,6	4	3	3
4,7	4	3	3
4,8	5	5	4
4,9	4	4	4
5,0	4	4	4
5,1	3	3	3
5,2	3	3	3
5,3	3	3	3
5,4	4	4	4
5,5	5	5	4
5,6	4	4	4
5,7	3	3	3
5,8	3	3	3
5,9	4	4	3
6,0	3	3	3
6,1	4	4	4
6,2	5	5	5
6,3	7	8	8
6,4	7	8	8
6,5	7	8	8
6,6	9	8	8
6,7	9	8	8
6,8	10	9	9
6,9	12	11	11
7,0	12	11	11
7,1	15	13	13
7,2	17	15	15
7,3	16	14	14
7,4	18	15	15
7,5	18	15	15

= numero colpi originale
 = N corretto per Bazares.
 = N 'smussato' statisticamente.

CARATTERISTICHE GEOTECNICHE (indicative)

z	phi	Dr	E	G	k
0,1	22	10,2	12,1	29,8	0,6
0,2	27	20,8	21,0	62,8	1,8
0,3	30	25,4	23,2	72,0	2,2
0,4	31	29,7	25,2	80,7	2,8
0,5	31	32,8	26,2	84,8	2,8
0,6	32	35,4	27,1	88,9	3,0
0,7	32	38,8	27,1	88,9	3,0
0,8	31	34,3	24,2	78,4	2,4
0,9	30	33,9	23,2	72,0	2,2
1,0	30	34,9	23,2	72,0	2,2
1,1	27	34,1	22,1	67,5	2,0
1,2	28	31,4	19,8	58,0	1,6
1,3	25	30,1	18,5	53,0	1,4
1,4	24	28,5	17,1	47,7	1,2
1,5	23	23,9	14,0	36,2	0,8
1,6	23	24,3	14,0	36,2	0,8
1,7	22	21,5	12,1	29,8	0,6
1,8	22	21,8	12,1	29,8	0,6
1,9	22	22,2	12,1	29,8	0,6
2,0	23	25,8	14,0	36,2	0,8
2,1	23	26,1	14,0	36,2	0,8
2,2	23	28,4	14,0	36,2	0,8
2,3	23	28,7	14,0	36,2	0,8
2,4	23	27,0	14,0	35,2	0,8
2,5	23	27,3	14,0	36,2	0,8
2,6	23	27,6	14,0	36,2	0,8
2,7	23	27,9	14,0	36,2	0,8
2,8	23	28,1	14,0	36,2	0,8
2,9	22	24,8	12,1	29,8	0,6
3,0	22	25,0	12,1	29,8	0,6
3,1	20	20,8	9,9	22,6	0,4
3,2	23	29,1	14,0	36,2	0,8
3,3	23	29,4	14,0	36,2	0,8
3,4	23	29,6	14,0	36,2	0,8
3,5	23	29,8	14,0	36,2	0,8
3,6	23	30,1	14,0	36,2	0,8
3,7	23	30,3	14,0	36,2	0,8
3,8	23	30,5	14,0	36,2	0,8
3,9	23	30,7	14,0	36,2	0,8
4,0	23	30,9	14,0	36,2	0,8
4,1	23	31,1	14,0	36,2	0,8
4,2	23	31,3	14,0	36,2	0,8
4,3	22	27,4	12,1	29,8	0,6
4,4	22	27,6	12,1	29,8	0,6
4,5	22	27,8	12,1	29,8	0,6
4,6	22	27,9	12,1	29,8	0,6
4,7	22	28,1	12,1	29,8	0,6
4,8	23	32,4	14,0	36,2	0,8
4,9	23	32,6	14,0	36,2	0,8
5,0	23	32,8	14,0	36,2	0,8
5,1	22	28,7	12,1	29,8	0,6
5,2	22	28,8	12,1	29,8	0,6
5,3	22	28,9	12,1	29,8	0,6
5,4	23	33,0	14,0	36,2	0,8
5,5	23	32,8	14,0	36,2	0,8
5,6	23	32,7	14,0	36,2	0,8
5,7	22	28,3	12,1	29,8	0,6
5,8	22	28,2	12,1	29,8	0,6
5,9	22	28,1	12,1	29,8	0,6
6,0	22	28,0	12,1	29,8	0,6
6,1	23	31,9	14,0	36,2	0,8
6,2	24	35,4	15,7	42,1	1,0
6,3	24	38,4	17,1	47,7	1,2
6,4	24	38,3	17,1	47,7	1,2
6,5	24	38,1	17,1	47,7	1,2
6,6	28	43,6	19,8	58,0	1,8
6,7	28	43,4	19,8	58,0	1,8
6,8	27	45,7	21,0	62,8	1,8
6,9	30	50,2	23,2	72,0	2,2
7,0	30	50,0	23,2	72,0	2,2
7,1	31	53,9	25,2	80,7	2,8
7,2	32	57,5	27,1	88,9	3,0
7,3	31	55,5	26,2	84,8	2,8
7,4	32	57,1	27,1	88,9	3,0
7,5	32	58,8	27,1	88,9	3,0

z = Profondità (m)
 phi = Angolo d'Attrito (°)
 Dr = Densità Relativa (%)
 E = Modulo di Deformabilità (MPa)
 G = Modulo di Taglio (MPa)

VALORI MISURATI E CALCOLATI DI N

z (m)	N	Nc	Ns
0.1	3	4	4
0.2	3	4	4
0.3	8	10	10
0.4	11	13	13
0.5	14	17	17
0.6	17	20	20
0.7	17	19	19
0.8	19	14	14
0.9	13	14	14
1.0	12	13	13
1.1	12	13	13
1.2	12	12	12
1.3	11	11	11
1.4	10	10	10
1.5	8	8	8
1.6	8	8	8
1.7	9	9	9
1.8	12	11	8
1.9	6	6	6
2.0	5	5	5
2.1	5	5	5
2.2	4	4	4
2.3	3	3	3
2.4	3	3	3
2.5	4	4	3
2.6	4	3	3
2.7	5	4	4
2.8	5	4	4
2.9	5	4	4
3.0	5	4	4
3.1	5	4	4
3.2	6	5	4
3.3	5	4	4
3.4	6	5	4
3.5	5	4	4
3.6	5	4	4
3.7	5	4	4
3.8	5	4	4
3.9	5	4	4
4.0	5	4	4
4.1	4	3	3
4.2	5	4	3
4.3	5	3	3
4.4	5	3	3
4.5	4	3	3
4.6	5	3	3
4.7	4	3	3
4.8	4	3	3
4.9	4	4	4
5.0	4	4	4
5.1	3	3	3
5.2	3	3	3
5.3	4	4	3
5.4	3	3	3
5.5	3	3	3
5.6	3	3	3
5.7	4	4	4
5.8	4	4	4
5.9	4	4	4
6.0	5	5	4
6.1	3	3	3
6.2	3	3	3
6.3	4	4	3
6.4	2	2	2
6.5	4	4	4
6.6	4	4	4
6.7	5	5	5
6.8	6	5	5
6.9	6	5	5
7.0	7	6	6
7.1	7	6	6
7.2	8	7	7
7.3	8	7	7
7.4	10	9	9
7.5	12	10	9
7.6	11	9	9
7.7	15	13	13
7.8	15	15	15
7.9	15	15	15

N = numero colpi originale
 Nc = N corretto per Bazaraa
 Ns = N 'smussato' statisticamente.

CARATTERISTICHE GEOTECNICHE (indicative)

z	phi	Dr	E	G	k
0.1	23	11,8	14,0	36,2	0,8
0.2	23	14,1	14,0	36,2	0,8
0.3	27	24,3	22,1	67,5	2,0
0.4	31	29,7	25,2	80,7	2,6
0.5	32	35,8	26,9	96,8	3,5
0.6	33	40,6	31,3	106,1	4,1
0.7	33	41,2	30,5	104,4	3,9
0.8	31	36,9	28,2	84,8	2,8
0.9	31	36,0	28,2	84,8	2,8
1.0	31	37,7	25,2	80,7	2,8
1.1	31	38,7	25,2	80,7	2,8
1.2	31	38,1	24,2	76,4	2,4
1.3	30	37,3	23,2	72,0	2,2
1.4	27	36,4	22,1	67,5	2,0
1.5	26	33,3	19,8	58,0	1,6
1.6	26	33,9	19,8	58,0	1,6
1.7	27	36,4	21,0	62,8	1,8
1.8	26	34,9	19,8	58,0	1,6
1.9	24	30,9	17,1	47,7	1,2
2.0	24	28,7	15,7	42,1	1,0
2.1	24	29,0	15,7	42,1	1,0
2.2	23	26,4	14,0	36,2	0,8
2.3	22	23,3	12,1	29,8	0,6
2.4	22	23,8	12,1	29,8	0,6
2.5	22	23,8	12,1	29,8	0,6
2.6	22	24,1	12,1	29,8	0,6
2.7	23	27,9	14,0	36,2	0,8
2.8	23	28,1	14,0	36,2	0,8
2.9	23	28,4	14,0	36,2	0,8
3.0	23	28,7	14,0	36,2	0,8
3.1	23	28,9	14,0	36,2	0,8
3.2	23	29,1	14,0	36,2	0,8
3.3	23	29,4	14,0	36,2	0,8
3.4	23	29,6	14,0	36,2	0,8
3.5	23	29,8	14,0	36,2	0,8
3.6	23	30,1	14,0	36,2	0,8
3.7	23	30,3	14,0	36,2	0,8
3.8	23	30,5	14,0	36,2	0,8
3.9	23	30,7	14,0	36,2	0,8
4.0	23	30,9	14,0	36,2	0,8
4.1	22	27,1	12,1	29,8	0,6
4.2	22	27,3	12,1	29,8	0,6
4.3	22	27,4	12,1	29,8	0,6
4.4	22	27,6	12,1	29,8	0,6
4.5	22	27,8	12,1	29,8	0,6
4.6	22	27,9	12,1	29,8	0,6
4.7	22	28,1	12,1	29,8	0,6
4.8	22	28,2	12,1	29,8	0,6
4.9	23	32,6	14,0	36,2	0,8
5.0	23	32,8	14,0	36,2	0,8
5.1	22	28,7	12,1	29,8	0,6
5.2	22	28,8	12,1	29,8	0,6
5.3	22	28,9	12,1	29,8	0,6
5.4	22	28,7	12,1	29,8	0,6
5.5	22	28,8	12,1	29,8	0,6
5.6	22	28,5	12,1	29,8	0,6
5.7	23	32,5	14,0	36,2	0,8
5.8	23	32,4	14,0	36,2	0,8
5.9	23	32,2	14,0	36,2	0,8
6.0	23	32,1	14,0	36,2	0,8
6.1	22	27,8	12,1	29,8	0,6
6.2	22	27,7	12,1	29,8	0,6
6.3	22	27,8	12,1	29,8	0,6
6.4	20	22,8	9,9	22,8	0,4
6.5	23	31,4	14,0	36,2	0,8
6.6	23	31,3	14,0	36,2	0,8
6.7	24	34,7	15,7	42,1	1,0
6.8	24	34,5	15,7	42,1	1,0
6.9	24	34,4	15,7	42,1	1,0
7.0	24	37,4	17,1	47,7	1,2
7.1	24	37,3	17,1	47,7	1,2
7.2	25	40,0	18,5	53,0	1,4
7.3	25	39,8	18,5	53,0	1,4
7.4	27	44,7	21,0	62,8	1,8
7.5	27	44,6	21,0	62,8	1,8
7.6	27	44,4	21,0	62,8	1,8
7.7	31	52,6	25,2	80,7	2,6
7.8	32	56,3	27,1	89,9	3,0
7.9	32	56,2	27,1	89,9	3,0

z = Profondità (m)
 phi = Angolo d'Attrito (°)
 Dr = Densità Relativa (%)
 E = Modulo di Deformabilità (MPa)
 G = Modulo di Taglio (MPa)
 k = Coefficiente di Winkler (Kg/cm²)

VALORI MISURATI E CALCOLATI DI N

z (m)	N	Nc	Na
0,1	3	4	4
0,2	4	5	5
0,3	5	6	6
0,4	9	11	11
0,5	13	15	15
0,6	16	18	18
0,7	14	16	16
0,8	13	14	14
0,9	14	15	15
1,0	14	15	15
1,1	12	13	13
1,2	11	11	11
1,3	10	10	10
1,4	10	10	10
1,5	8	8	8
1,6	8	8	8
1,7	7	7	7
1,8	8	8	8
1,9	8	8	8
2,0	4	6	6
2,1	4	4	4
2,2	5	5	5
2,2	5	5	5
2,3	5	4	4
2,4	5	4	4
2,5	5	4	4
2,6	6	5	4
2,7	5	4	4
2,8	6	5	5
2,9	6	5	5
3,0	6	5	5
3,1	6	5	5
3,2	6	5	5
3,3	8	5	5
3,4	8	5	5
3,5	8	5	5
3,6	8	4	4
3,7	7	5	4
3,8	6	4	4
3,9	6	4	4
4,0	6	4	4
4,1	5	4	4
4,2	5	4	4
4,3	3	2	2
4,4	4	3	3
4,5	5	3	3
4,6	5	3	3
4,7	5	3	3
4,8	4	3	3
4,9	4	4	4
5,0	4	4	4
5,1	3	3	3
5,2	4	4	4
5,3	4	4	4
5,4	4	4	4
5,5	4	4	4
5,6	5	5	4
5,7	4	4	4
5,8	3	3	3
5,9	3	3	3
6,0	3	3	3
6,1	4	4	4
6,2	4	4	4
6,3	5	5	5
6,4	7	6	6
6,5	8	8	8
6,6	7	8	6
6,7	7	6	6
6,8	7	6	6
6,9	7	6	6
7,0	8	7	7
7,1	8	8	8
7,2	8	8	8
7,3	10	9	9
7,4	10	9	9
7,5	11	10	10
7,6	12	10	10
7,7	12	10	10
7,8	13	11	11
7,9	14	12	12
8,0	14	12	12
8,1	15	12	12
8,2	18	13	13
8,3	17	14	14
8,4	15	12	12
8,5	17	14	14

N = numero colpi originali
 Nc = N corretto per Bazaraa.
 Ns = N 'smussato' statisticamente.

CARATTERISTICHE GEOTECNICHE (indicative)

z	phi	Dr	E	G	k
0,1	23	11,8	14,0	36,2	0,8
0,2	24	15,7	15,7	42,1	1,0
0,3	24	19,0	17,1	47,7	1,2
0,4	30	27,4	23,2	72,0	2,2
0,5	32	33,7	27,1	88,9	3,0
0,6	32	36,5	28,0	92,9	3,2
0,7	32	38,0	28,0	92,9	3,2
0,8	31	36,9	28,2	84,8	2,8
0,9	32	39,3	27,1	88,9	3,0
1,0	32	40,4	27,1	88,9	3,0
1,1	31	38,7	25,2	80,7	2,6
1,2	30	36,6	23,2	72,0	2,2
1,3	27	35,7	22,1	67,5	2,0
1,4	27	36,4	22,1	67,5	2,0
1,5	26	33,3	19,8	58,0	1,6
1,6	26	33,9	19,8	58,0	1,6
1,7	25	32,3	18,5	53,0	1,4
1,8	24	30,4	17,1	47,7	1,2
1,9	24	30,9	17,1	47,7	1,2
2,0	23	25,8	14,0	36,2	0,8
2,1	24	29,0	15,7	42,1	1,0
2,2	24	29,4	15,7	42,1	1,0
2,3	23	26,7	14,0	36,2	0,8
2,4	23	27,0	14,0	36,2	0,8
2,5	23	27,3	14,0	36,2	0,8
2,6	23	27,6	14,0	36,2	0,8
2,7	23	27,9	14,0	36,2	0,8
2,8	24	31,3	15,7	42,1	1,0
2,9	24	31,6	15,7	42,1	1,0
3,0	24	31,9	15,7	42,1	1,0
3,1	24	32,2	15,7	42,1	1,0
3,2	24	32,4	15,7	42,1	1,0
3,3	24	32,7	15,7	42,1	1,0
3,4	24	32,9	15,7	42,1	1,0
3,5	24	33,2	15,7	42,1	1,0
3,6	23	30,1	14,0	36,2	0,8
3,7	23	30,3	14,0	36,2	0,8
3,8	23	30,5	14,0	36,2	0,8
3,9	23	30,7	14,0	36,2	0,8
4,0	23	30,9	14,0	36,2	0,8
4,1	23	31,1	14,0	36,2	0,8
4,2	23	31,3	14,0	36,2	0,8
4,3	20	22,6	9,9	22,6	0,4
4,4	22	27,6	12,1	29,8	0,6
4,5	22	27,8	12,1	29,8	0,6
4,6	22	27,9	12,1	29,8	0,6
4,7	22	28,1	12,1	29,8	0,6
4,8	22	28,2	12,1	29,8	0,6
4,9	23	32,6	14,0	36,2	0,8
5,0	23	32,8	14,0	36,2	0,8
5,1	22	28,7	12,1	29,8	0,6
5,2	23	33,1	14,0	36,2	0,8
5,3	23	33,1	14,0	36,2	0,8
5,4	23	33,0	14,0	36,2	0,8
5,5	23	32,8	14,0	36,2	0,8
5,6	23	32,7	14,0	36,2	0,8
5,7	23	32,5	14,0	36,2	0,8
5,8	22	28,2	12,1	29,8	0,6
5,9	22	28,1	12,1	29,8	0,6
6,0	22	28,0	12,1	29,8	0,6
6,1	23	31,9	14,0	36,2	0,8
6,2	23	31,8	14,0	36,2	0,8
6,3	24	35,2	15,7	42,1	1,0
6,4	24	38,3	17,1	47,7	1,2
6,5	24	38,1	17,1	47,7	1,2
6,6	24	38,0	17,1	47,7	1,2
6,7	24	37,8	17,1	47,7	1,2
6,8	24	37,7	17,1	47,7	1,2
6,9	24	37,5	17,1	47,7	1,2
7,0	25	40,3	18,5	53,0	1,4
7,1	26	42,8	19,8	58,0	1,6
7,2	26	42,6	19,8	58,0	1,6
7,3	27	44,9	21,0	62,8	1,8
7,4	27	44,7	21,0	62,8	1,8
7,5	27	46,9	22,1	67,5	2,0
7,6	27	46,7	22,1	67,5	2,0
7,7	27	46,6	22,1	67,5	2,0
7,8	30	46,8	23,2	72,0	2,2
7,9	31	50,5	24,2	76,4	2,4
8,0	31	50,3	24,2	76,4	2,4
8,1	31	50,1	24,2	76,4	2,4
8,2	31	51,9	25,2	80,7	2,6
8,3	31	53,6	26,2	84,8	2,8
8,4	31	49,7	24,2	76,4	2,4
8,5	31	53,3	26,2	84,8	2,8

z = Profondità (m)
 phi = Angolo d'Attrito (°)
 Dr = Densità Relativa (%)
 E = Modulo di Deformabilità (MPa)
 G = Modulo di Taglio (MPa)
 k = Coefficiente di Winkler (Kg/cm³)

LEGENDA:

Prof. = profondità in metri

Rpt = Resistenza alla punta (kg/cmq)*10

Rat = Resistenza attrito laterale (Kg/cmq)*150

Rt = Resistenza totale sulle aste (kg)

Begemann = Rapporto Begemann

Committente: Orchidea Group

Cantiere: LOTTO 18

Località Macrolotto indust.le

Comune: Castel.co Sotto

Data: 28/03/98

Prof.	Rpt	Rat	Rt	Begemann	Rp (Kg/cmq)	Cu	mv
0,2	40	90	200	12	4	0,1	83
0,4	50	110	200	13	5	0,2	67
0,6	50	110	300	13	5	0,2	67
0,8	120	210	350	20	12	0,4	28
1,0	140	220	400	26	14	0,4	24
1,2	120	240	550	15	12	0,4	28
1,4	150	350	700	11	15	0,5	22
1,6	140	260	700	18	14	0,4	24
1,8	170	250	750	32	17	0,5	20
2,0	110	210	800	17	11	0,3	30
2,2	110	230	800	14	11	0,3	30
2,4	200	270	950	43	20	0,6	17
2,6	160	310	1000	16	16	0,5	21
2,8	150	300	1100	15	15	0,5	22
3,0	190	310	1200	24	19	0,6	18
3,2	170	300	1350	20	17	0,5	20
3,4	190	300	1600	26	19	0,6	18
3,6	250	360	1850	34	25	0,8	13
3,8	280	430	2050	28	28	0,9	12
4,0	310	460	2200	31	31	1,0	11
4,2	350	650	2300	18	35	1,1	10
4,4	320	450	2600	37	32	1,0	10
4,6	300	540	2700	19	30	0,9	11
4,8	320	510	3000	25	32	1,0	10
5,0	330	520	3200	26	33	1,0	10
5,2	280	390	3400	38	28	0,9	12
5,4	320	540	3500	22	32	1,0	10
5,6	290	480	3600	23	29	0,9	11
5,8	230	420	3750	18	23	0,7	14
6,0	270	490	3900	18	27	0,8	12
6,2	250	400	4000	25	25	0,8	13
6,4	240	400	4200	23	24	0,7	14
6,6	210	370	4350	20	21	0,7	16
6,8	150	310	4500	14	15	0,5	22
7,0	130	300	4600	11	13	0,4	26
7,2	190	330	4650	20	19	0,6	18
7,4	160	250	4700	27	16	0,5	21
7,6	190	310	4800	24	19	0,6	18
7,8	180	320	4900	19	18	0,6	19
8,0	180	320	5050	19	18	0,6	19
8,2	160	300	5100	17	16	0,5	21
8,4	170	300	5200	20	17	0,5	20
8,6	110	170	5250	28	11	0,3	30
8,8	80	120	5300	30	8	0,2	42
9,0	100	170	5400	21	10	0,3	33
9,2	90	160	5500	19	9	0,3	37
9,4	90	160	5600	19	9	0,3	37
9,6	130	170	5650	49	13	0,4	26
9,8	130	180	5700	39	13	0,4	26
10,0	110	150	5700	41	11	0,3	30

LEGENDA:

Prof. = profondità in metri

Rpt = Resistenza alla punta (kg/cmq)*10

Rat = Resistenza attrito laterale (Kg/cmq)*150

Rt = Resistenza totale sulle aste (kg)

Begemann = Rapporto Begemann

Committente: Orchidea Group

Cantiere: LOTTO 18

Località Macrolotto industr.le

Comune: Castel.co Sotto

Data: 28/03/98

Prof.	Rpt	Rat	Rt	Begemann	Rp (Kg/cmq)	Cu	mv
0,2	50	90	200	19	5	0,2	67
0,4	40	110	200	9	4	0,2	83
0,6	70	110	350	26	7	0,3	48
0,8	110	210	350	17	11	0,5	30
1,0	130	220	450	22	13	0,5	26
1,2	130	260	600	15	13	0,5	26
1,4	120	270	700	12	12	0,5	28
1,6	140	260	700	18	14	0,6	24
1,8	170	250	750	32	17	0,7	20
2,0	110	210	800	17	11	0,5	30
2,2	130	230	850	20	13	0,5	26
2,4	210	270	950	53	21	0,9	16
2,6	140	260	1000	18	14	0,6	24
2,8	150	300	1250	15	15	0,6	22
3,0	210	310	1300	32	21	0,9	16
3,2	230	360	1500	27	23	1,0	14
3,4	290	420	1750	33	29	1,2	11
3,6	250	360	1850	34	25	1,0	13
3,8	270	430	2100	25	27	1,1	12
4,0	310	460	2200	31	31	1,3	11
4,2	350	650	2300	18	35	1,5	10
4,4	320	450	2600	37	32	1,3	10
4,6	300	540	2700	19	30	1,2	11
4,8	320	510	3000	25	32	1,3	10
5,0	330	520	3200	26	33	1,4	10
5,2	350	520	3400	31	35	1,5	10
5,4	320	540	3500	22	32	1,3	10
5,6	350	520	3600	31	35	1,5	10
5,8	290	450	3750	27	29	1,2	11
6,0	270	490	3900	18	27	1,1	12
6,2	190	350	4000	18	19	0,8	18
6,4	170	310	4200	18	17	0,7	20
6,6	210	370	4350	20	21	0,9	16
6,8	150	310	4500	14	15	0,6	22
7,0	130	300	4600	11	13	0,5	26
7,2	190	330	4650	20	19	0,8	18
7,4	160	250	4700	27	16	0,7	21
7,6	190	310	4800	24	19	0,8	18
7,8	180	320	4900	19	18	0,7	19
8,0	180	320	5050	19	18	0,7	19
8,2	210	300	5100	35	21	0,9	16
8,4	150	300	5200	15	15	0,6	22
8,6	110	170	5250	28	11	0,5	30
8,8	80	120	5300	30	8	0,3	42
9,0	100	170	5400	21	10	0,4	33
9,2	180	230	5500	54	18	0,7	19
9,4	90	160	5600	19	9	0,4	37
9,6	130	170	5800	49	13	0,5	26
9,8	230	320	6000	38	23	1,0	14
10,0	180	250	6150	39	18	0,7	19

Prof. m	Letture di campagna		Valori di resistenza		Rp/RL	Stratigrafia e parametri geotecnici*						
	Resist. punta	Resist. laterale	Rp Kg/cm ²	RL Kg/cm ²		Tipologia (Secchie)	γ' t/m ³	$\sigma'v$ Kg/cm ²	Cu Kg/cm ²	ϕ °	Dr %	Mo Kg/cm ²
0,0	0	0	0	0,00	-	-	-	-	-	-	-	-
0,2	11	15	11	0,40	28	Limo sabbioso	1,77	0,04	0,5	--	--	38
0,4	6	12	6	0,33	18	Limo argilloso	1,68	0,07	0,3	--	--	25
0,6	6	11	6	0,40	15	Argilla limosa	1,68	0,10	0,3	--	--	25
0,8	15	21	15	0,87	17	Limo argilloso	1,81	0,14	0,7	--	--	60
1,0	21	34	21	0,93	23	Limo sabbioso	1,86	0,18	0,8	--	--	63
1,2	15	29	15	0,67	23	Limo sabbioso	1,81	0,21	0,7	--	--	60
1,4	17	27	17	0,87	20	Limo argilloso	1,83	0,25	0,7	--	--	53
1,6	18	31	18	0,73	25	Limo sabbioso	1,84	0,29	0,8	--	--	57
1,8	16	27	16	0,93	17	Limo argilloso	1,82	0,32	0,7	--	--	49
2,0	16	30	16	0,73	22	Limo argilloso	1,82	0,36	0,7	--	--	49
2,2	13	24	13	0,67	20	Limo argilloso	1,79	0,39	0,6	--	--	48
2,4	12	22	12	0,60	20	Limo argilloso	1,78	0,43	0,6	--	--	43
2,6	14	23	14	0,47	30	Limo sabbioso	1,80	0,47	0,6	--	--	54
2,8	12	19	12	0,40	30	Limo sabbioso	1,78	0,50	0,6	--	--	43
3,0	17	23	17	0,53	32	Sabbia argillosa	1,84	0,54	--	31	26	51
3,2	13	21	13	0,60	22	Limo argilloso	1,79	0,57	0,6	--	--	48
3,4	10	19	10	0,60	17	Limo argilloso	1,75	0,61	0,5	--	--	50
3,6	11	20	11	0,47	24	Limo sabbioso	1,77	0,64	0,5	--	--	38
3,8	12	19	12	0,73	16	Argilla limosa	1,78	0,68	0,6	--	--	43
4,0	12	23	12	0,53	23	Limo sabbioso	1,78	0,72	0,6	--	--	43
4,2	16	24	16	0,73	22	Limo argilloso	1,82	0,75	0,7	--	--	49
4,4	9	20	9	0,47	19	Limo argilloso	1,74	0,79	0,5	--	--	43
4,6	10	17	10	0,40	25	Limo sabbioso	1,75	0,82	0,5	--	--	50
4,8	13	19	13	0,60	22	Limo argilloso	1,79	0,86	0,6	--	--	48
5,0	13	22	13	0,67	20	Limo argilloso	0,79	0,87	0,6	--	--	48
5,2	12	22	12	0,60	20	Limo argilloso	0,78	0,89	0,6	--	--	43
5,4	16	25	16	0,80	20	Limo argilloso	0,82	0,91	0,7	--	--	49
5,6	15	27	15	0,93	16	Argilla limosa	0,81	0,92	0,7	--	--	60
5,8	14	28	14	0,73	19	Limo argilloso	0,80	0,94	0,6	--	--	54
6,0	12	23	12	0,53	23	Limo sabbioso	0,78	0,95	0,6	--	--	43
6,2	12	20	12	0,60	20	Limo argilloso	0,78	0,97	0,6	--	--	43
6,4	13	22	13	0,67	20	Limo argilloso	0,79	0,99	0,6	--	--	48
6,6	12	22	12	0,67	18	Limo argilloso	0,78	1,00	0,6	--	--	43
6,8	9	19	9	0,53	17	Limo argilloso	0,74	1,02	0,5	--	--	43
7,0	11	19	11	0,53	21	Limo argilloso	0,77	1,03	0,5	--	--	38
7,2	10	18	10	0,47	21	Limo argilloso	0,75	1,05	0,5	--	--	50
7,4	10	17	10	0,60	17	Limo argilloso	0,75	1,06	0,5	--	--	50
7,6	10	19	10	0,53	19	Limo argilloso	0,75	1,08	0,5	--	--	50
7,8	11	19	11	0,67	17	Limo argilloso	0,77	1,09	0,5	--	--	38
8,0	7	17	7	0,40	18	Limo argilloso	0,70	1,11	0,4	--	--	31
8,2	11	17	11	0,80	14	Argilla limosa	0,77	1,12	0,5	--	--	38
8,4	16	28	16	0,53	30	Limo sabbioso	0,82	1,14	0,7	--	--	49
8,6	30	38	30	1,00	30	Limo sabbioso	0,92	1,16	1,0	--	--	90
8,8	19	34	19	1,00	19	Limo argilloso	0,85	1,17	0,8	--	--	62
9,0	8	23	8	0,47	17	Limo argilloso	0,72	1,19	0,4	--	--	37
9,2	12	19	12	0,67	18	Limo argilloso	0,78	1,20	0,6	--	--	43
9,4	8	18	8	0,40	20	Limo argilloso	0,72	1,22	0,4	--	--	37
9,6	6	12	6	0,20	30	Limo sabbioso	0,68	1,23	0,3	--	--	25
9,8	6	9	6	0,47	13	Argilla limosa	0,68	1,24	0,3	--	--	25
10,0	14	21	14	0,47	30	Limo sabbioso	0,80	1,26	0,6	--	--	54

ESECUTORE

Dr. *Giuseppe Galanti*

*Legenda parametri geotecnici (valori orientativi):

γ' = peso al volume efficace (Terzaghi & Peck - Bowles); $\sigma'v$ = pressione litostatica efficace; Cu = coesione non drenata (Marston-De Beer-Riccioli et al.); ϕ = angolo di attrito efficace (Durgunoglu & Mitchell); Dr = densità relativa (Hornbom); Mo = modulo edometrico (Mitchell & Gardner-Sanglerat-Halden)

LEGENDA:

Prof. = profondità in metri

Rpt = Resistenza alla punta (kg/cm²)*10Rat = Resistenza attrito laterale (Kg/cm²)*150

Rt = Resistenza totale sulle aste (kg)

Begemann = Rapporto Begemann

Committente: Signorini Giovanni

Cantiere: Via dell'Iserone

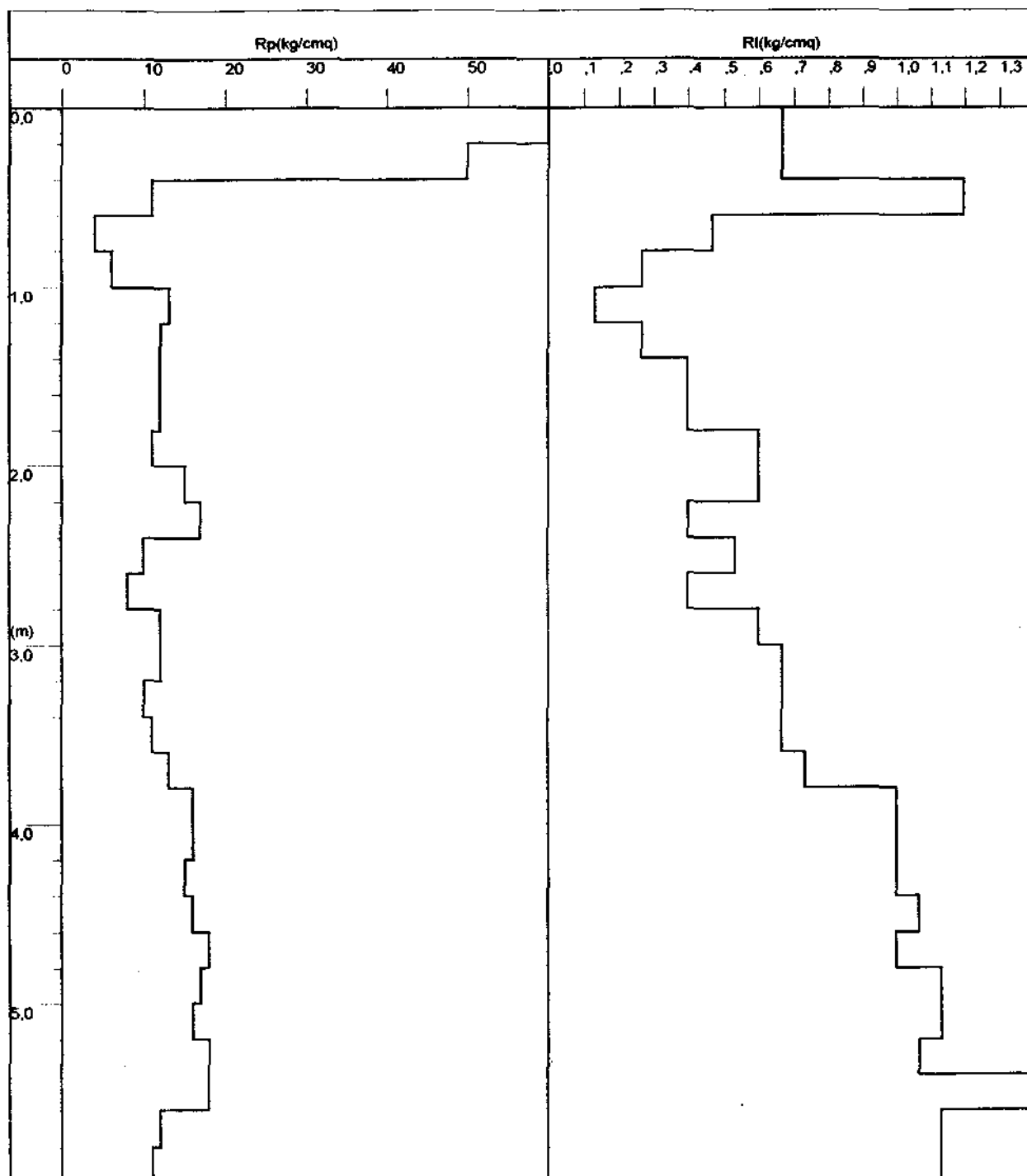
Località Capoluogo

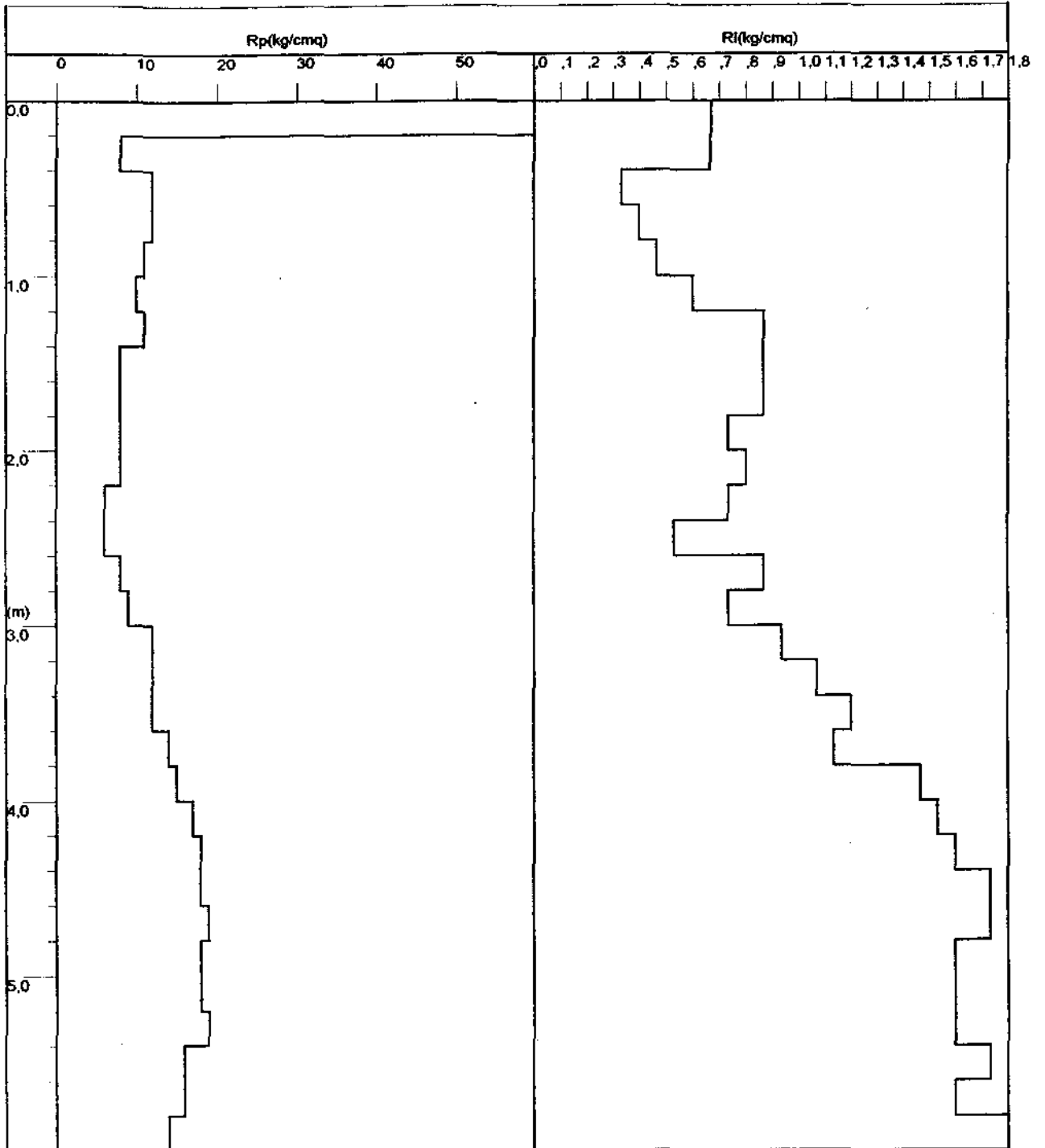
Comune: Castel.co Sotto

Data: 24/05/90

Prof.	Rpt	Rat	Rt	Begemann	Rp (Kg/cm ²)	Cu	mv
0,2	150	260	300	20	15	0,5	22
0,4	230	260	300	115	23	0,8	14
0,6	240	320	350	45	24	0,8	14
0,8	170	310	300	18	17	0,6	20
1,0	190	290	250	29	19	0,6	18
1,2	170	270	300	26	17	0,6	20
1,4	200	290	400	33	20	0,7	17
1,6	250	370	500	31	25	0,8	13
1,8	230	400	600	20	23	0,8	14
2,0	260	440	700	22	26	0,9	13
2,2	270	500	1000	18	27	0,9	12
2,4	250	500	1200	15	25	0,8	13
2,6	300	510	1400	21	30	1,0	11
2,8	300	520	1650	20	30	1,0	11
3,0	240	470	1750	16	24	0,8	14
3,2	220	420	2000	17	22	0,7	15
3,4	170	320	2100	17	17	0,6	20
3,6	160	270	2000	22	16	0,5	21
3,8	130	200	2050	28	13	0,4	26
4,0	100	140	1900	38	10	0,3	33
4,2	180	270	2050	30	18	0,6	19
4,4	120	160	2100	45	12	0,4	28
4,6	120	180	2150	30	12	0,4	28
4,8	100	150	2150	30	10	0,3	33
5,0	70	140	2100	15	7	0,2	48
5,2	100	170	2100	21	10	0,3	33
5,4	100	160	2200	25	10	0,3	33
5,6	90	160	2200	19	9	0,3	37
5,8	90	150	2200	23	9	0,3	37
6,0	60	110	2100	18	6	0,2	56
6,2	80	140	2050	20	8	0,3	42
6,4	90	130	2100	34	9	0,3	37
6,6	100	140	2200	38	10	0,3	33
6,8	90	150	2250	23	9	0,3	33
7,0	140	190	2200	42	14	0,5	24
7,2	150	200	2300	45	15	0,5	22
7,4	130	200	2350	28	13	0,4	26
7,6	110	160	2400	33	11	0,4	30
7,8	100	170	2500	21	10	0,3	33
8,0	80	180	2500	12	8	0,3	42
8,2	120	220	2600	18	12	0,4	28
8,4	140	240	2750	21	14	0,5	24
8,6	140	250	2700	19	14	0,5	24
8,8	120	200	2800	23	12	0,4	28
9,0	80	160	2600	15	8	0,3	42
9,2	90	160	2650	19	9	0,3	37
9,4	120	160	2750	45	12	0,4	28
9,6	130	200	2700	28	13	0,4	26
9,8	120	200	2800	23	12	0,4	28
10,0	120	200	2700	23	12	0,4	28





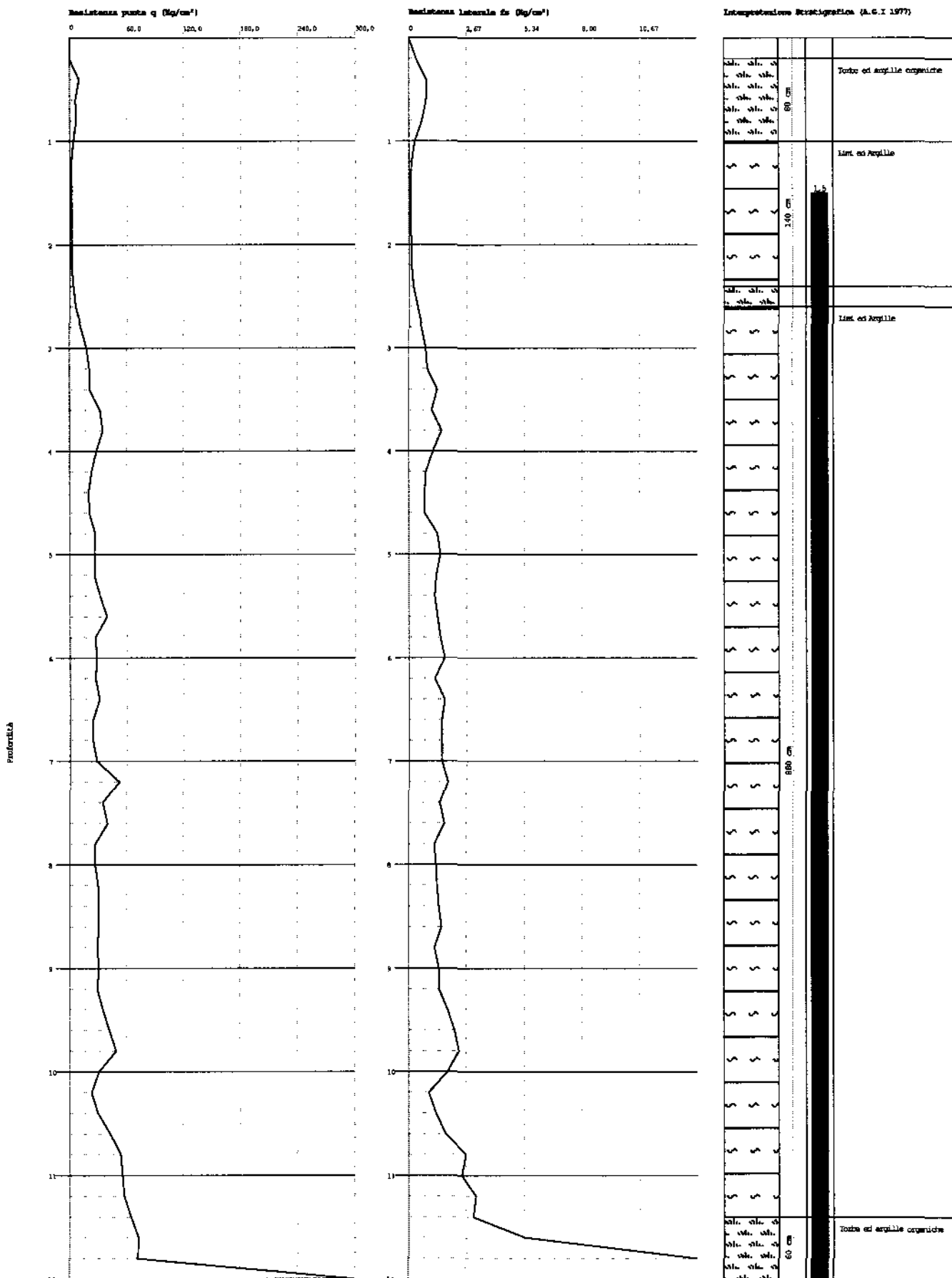


Probe CPT - Cone Penetration Nr.10
 Strumento utilizzato... FAGANI 200 kN
 Diagramma Resistenza qc fs

Comitente : Provincia di Pisa
 Caricatore :
 Località :

Data :05/03/2004

Scala 1:50



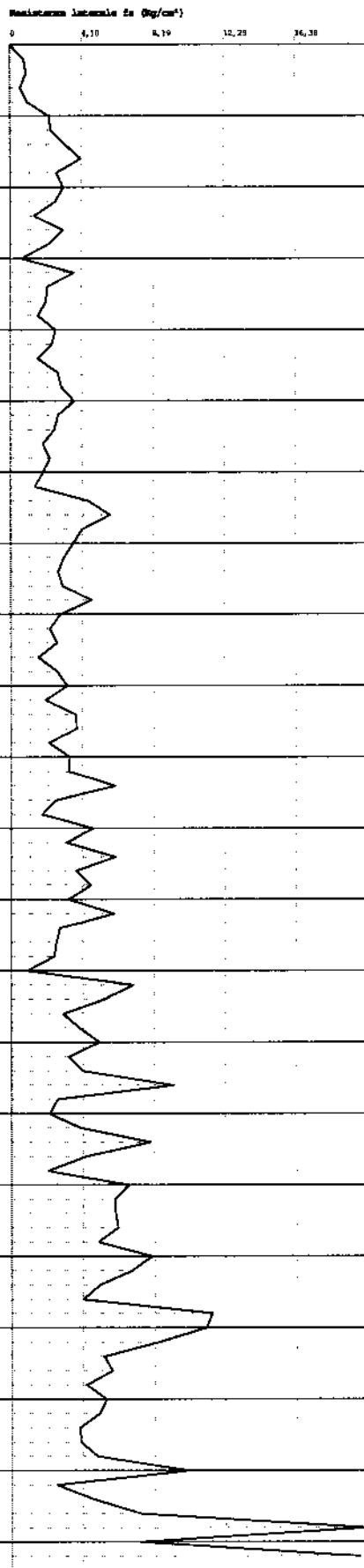
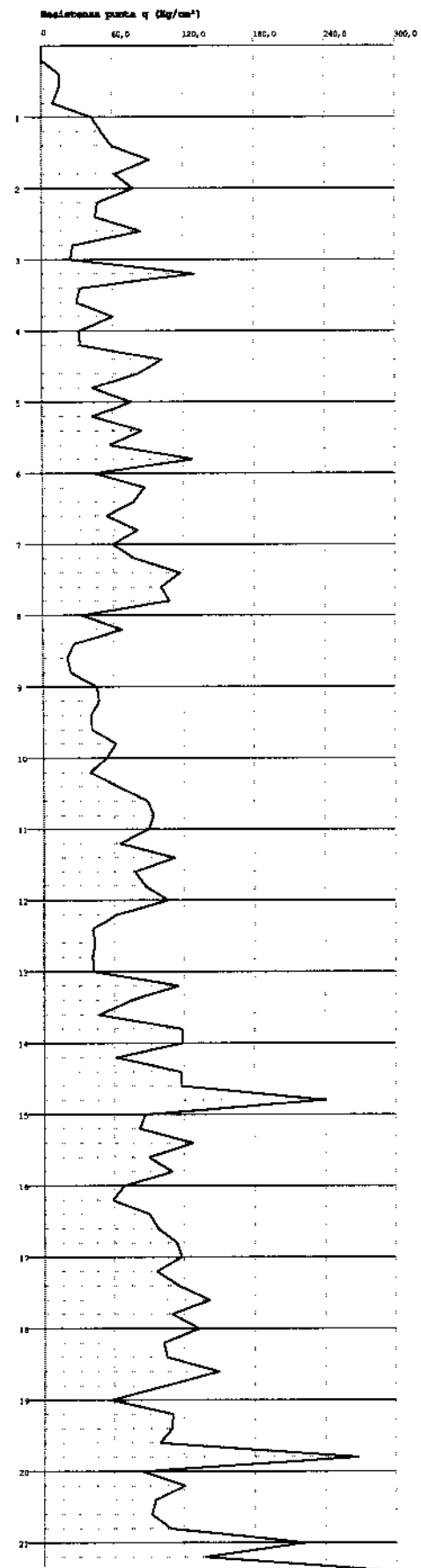
Probe CPT - Cone Penetration Nr.11
 Strumento utilizzato... PAGANI 200 kN
 Diagramma Resistenza qz fs

Committente : Provincia di Pisa
 Cantiere :
 Località :

Data :18/02/2004

Scala 1:93

Profondità



Interpretazione stratigrafica (A.C.I. 1977)

0 - 1.80 cm	Lami ed Argille
1.80 - 3.00 cm	Lami ed Argille
3.00 - 3.60 cm	Lami sabbiosi e Sabbie limose
3.60 - 4.20 cm	Torbe ed argille organiche
4.20 - 5.40 cm	Lami ed Argille
5.40 - 6.60 cm	Lami ed Argille
6.60 - 7.20 cm	Torbe ed argille organiche
7.20 - 7.80 cm	Torbe ed argille organiche
7.80 - 8.40 cm	Lami ed Argille
8.40 - 9.00 cm	Torbe ed argille organiche
9.00 - 9.60 cm	Torbe ed argille organiche
9.60 - 10.20 cm	Lami sabbiosi e Sabbie limose
10.20 - 10.80 cm	Torbe ed argille organiche
10.80 - 11.40 cm	Lami ed Argille
11.40 - 12.00 cm	Lami ed Argille
12.00 - 12.60 cm	Lami sabbiosi e Sabbie limose
12.60 - 13.20 cm	Torbe ed argille organiche
13.20 - 13.80 cm	Lami ed Argille
13.80 - 14.40 cm	Torbe ed argille organiche
14.40 - 15.00 cm	Lami ed Argille
15.00 - 15.60 cm	Torbe ed argille organiche
15.60 - 16.20 cm	Lami ed Argille
16.20 - 16.80 cm	Torbe ed argille organiche
16.80 - 17.40 cm	Lami ed Argille
17.40 - 18.00 cm	Lami ed Argille
18.00 - 18.60 cm	Lami sabbiosi e Sabbie limose
18.60 - 19.20 cm	Torbe ed argille organiche
19.20 - 19.80 cm	Torbe ed argille organiche
19.80 - 20.40 cm	Torbe ed argille organiche
20.40 - 21.00 cm	Torbe ed argille organiche