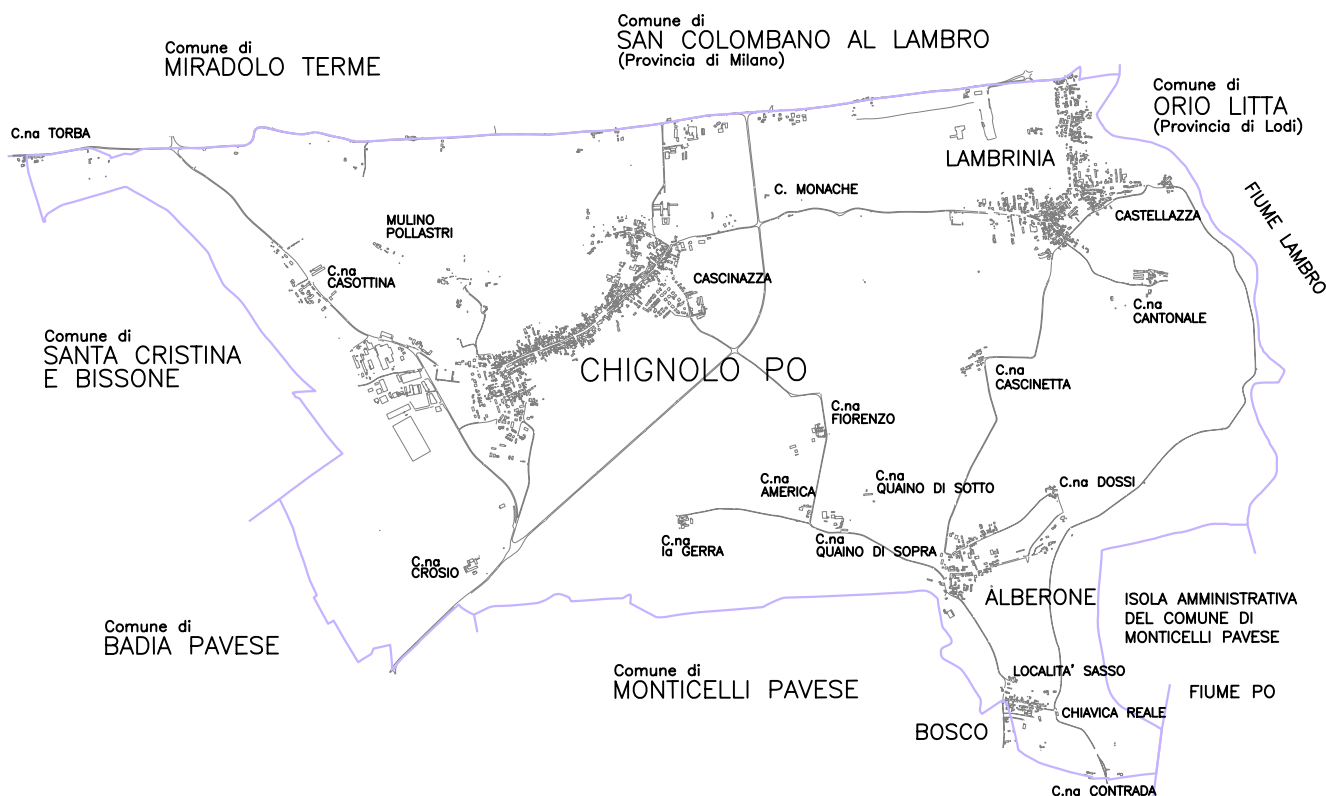




Comune di **CHIGNOLO PO** Provincia di Pavia
PIANO DI GOVERNO DEL TERRITORIO

**COMPONENTE GEOLOGICA,
IDROGEOLOGICA E SISMICA**

L.R. 11 marzo 2005 n°12 - art. 57, lettera a), comma 1; D.G.R. 30 novembre 2011 n°9/2616



**RELAZIONE SULLE INDAGINI GEOGNOSTICHE
ESEGUITE IN CORRISPONDENZA DEL TERRITORIO COMUNALE**

STRATIGRAFIE POZZI PER ACQUA

Sindaco
Ing. ANTONIO BONATI

Il Professionista incaricato
Dott. Geol. DANIELE CALVI

Segretario Comunale
Dott.ssa MARGHERITA VERONESI

Responsabile del procedimento
Dott. Arch. ANGELO GUALANDI

maggio 2013

Su incarico e per conto del Comune di Chignolo Po (PV), nei mesi di luglio - novembre 2012 e aprile 2013 è stata recuperata, presso Enti Pubblici e studi professionali privati, la documentazione di seguito elencata relativa ad indagini a diverse finalità (studi geologico - tecnici e idrogeologici) condotte nell'ambito del territorio del Comune di Chignolo Po, utili alla caratterizzazione dell'area di studio.

La ricerca ha coinvolto, in diversa misura, i seguenti Enti:

La ricerca ha coinvolto, in diversa misura, i seguenti Enti:

- o Ufficio Tecnico Comunale di Chignolo Po
- o Regione Lombardia – Struttura Territoriale Regionale (STER) di Pavia
- o Amministrazione Provinciale di Pavia Assessorato al Territorio - Servizio Geologico e Settore Tutela e Valorizzazione Ambientale – Settore acqua
- o Università degli Studi di Pavia - Dipartimento di Scienze della Terra

I dati raccolti, successivamente rielaborati al fine di renderli omogenei e confrontabili tra loro, sono costituiti da (rifer. Tavola n°4 "CARTA DELLA PERICOLOSITÀ SISMICA LOCALE (PSL) CON UBICAZIONE DEI DATI LITOSTRATIGRAFICI, GEOGNOSTICI E GEOTECNICI"):

- n°59 diagrafie relative a prove penetrometriche statiche "*cone penetration test*" (C.P.T. 01_59)
- n°08 diagrafia relativa a prove penetrometriche dinamiche "*Dynamic Continuous Penetration Test*" con avanzamento di 30 centimetri (D.C.P.T.₃₀ 01_08)
- n°03 stratigrafie relative a sondaggi geognostici a campionamento continuo (S 01_03)

Vengono inoltre fornite n°4 stratigrafie di pozzi per acqua ad uso potabile, di cui 3 attivi ("CHIGNOLO 1", "MONACHE 2" e "MONACHE 3") ed uno dismesso ("MONACHE 1"). Per quanto riguarda la loro ubicazione, oltre alla Tavola 3 "CARTA IDROGEOLOGICA E DEL SISTEMA IDROGRAFICO", si faccia riferimento alla Tavola n°5 "CARTA GEOLOGICO - APPLICATIVA DI CARATTERIZZAZIONE DEL SUOLO E DEL PRIMO SOTTOSUOLO".

Stradella, maggio 2013

Il Professionista Incaricato
Dott. Geol. Daniele Calvi

COMUNE DI CHIGNOLO PO (PV)

Studio geologico - tecnico territoriale a supporto del P.G.T.

Relazione sulle indagini geognostiche eseguite in corrispondenza del territorio comunale – Stratigrafie pozzi per acqua

PROVE PENETROMETRICHE STATICHE

“Cone Penetration Test”

CPT 01- 59

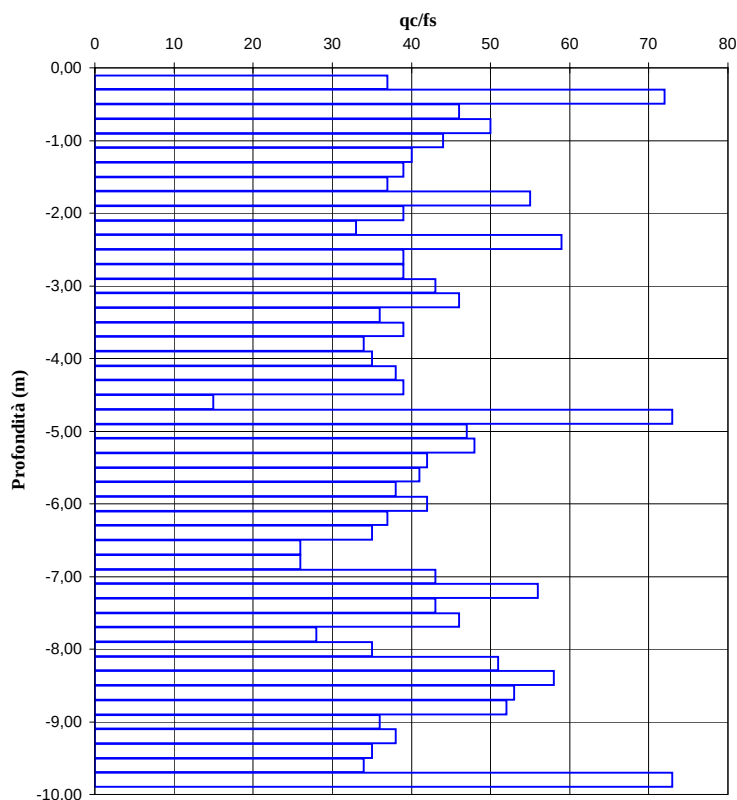
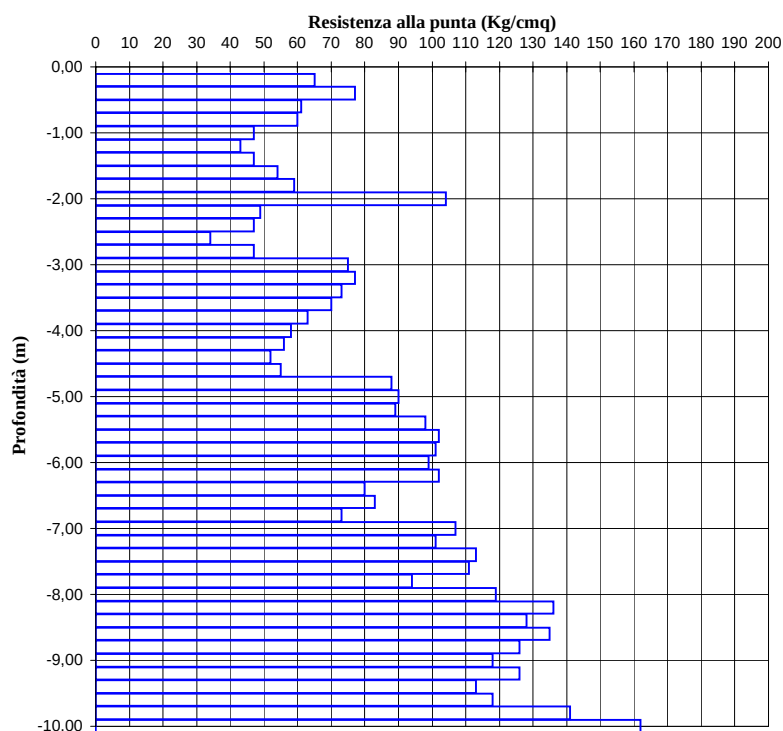
Prova penetrometrica statica n.

1

Località: **Campo sportivo -Chignolo Po**
Committente: **Comune di Chignolo Po**

Data:
Livello falda

13/01/2003
-1,70 m



Quota	Rp	Rp+R m	qc/fs	Quota	Rp	Rp+R m	qc/fs
0,00			#####	-9,20	126		38
-0,20	65		37	-9,40	113		35
-0,40	77		72	-9,60	118		34
-0,60	61		46	-9,80	141		73
-0,80	60		50	-10,00	162		-
-1,00	47		44				
-1,20	43		40				
-1,40	47		39				
-1,60	54		37				
-1,80	59		55				
-2,00	104		39				
-2,20	49		33				
-2,40	47		59				
-2,60	34		39				
-2,80	47		39				
-3,00	75		43				
-3,20	77		46				
-3,40	73		36				
-3,60	70		39				
-3,80	63		34				
-4,00	58		35				
-4,20	56		38				
-4,40	52		39				
-4,60	55		15				
-4,80	88		73				
-5,00	90		47				
-5,20	89		48				
-5,40	98		42				
-5,60	102		41				
-5,80	101		38				
-6,00	99		42				
-6,20	102		37				
-6,40	80		35				
-6,60	83		26				
-6,80	73		26				
-7,00	107		43				
-7,20	101		56				
-7,40	113		43				
-7,60	111		46				
-7,80	94		28				
-8,00	119		35				
-8,20	136		51				
-8,40	128		58				
-8,60	135		53				
-8,80	126		52				
-9,00	118		36				

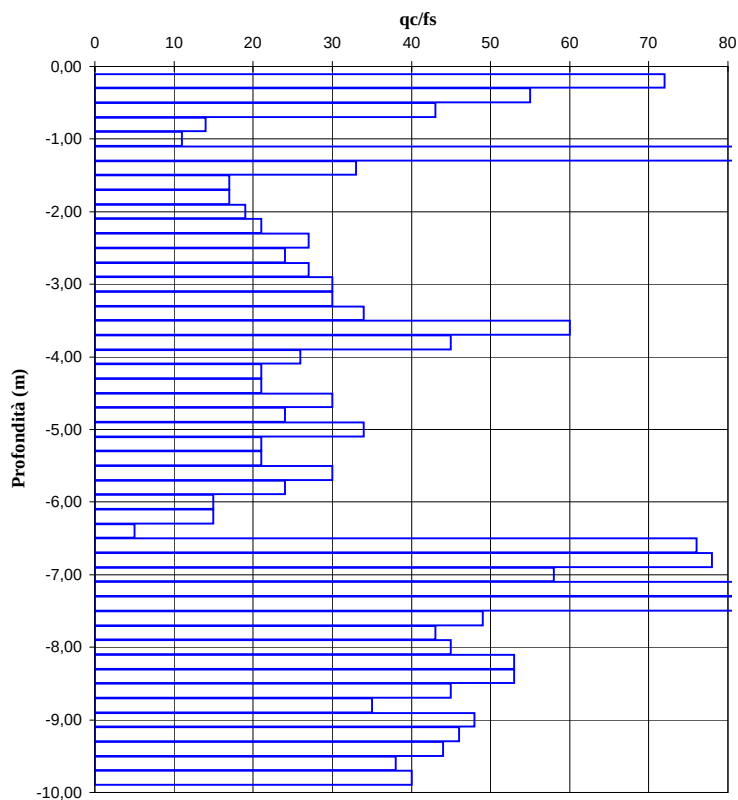
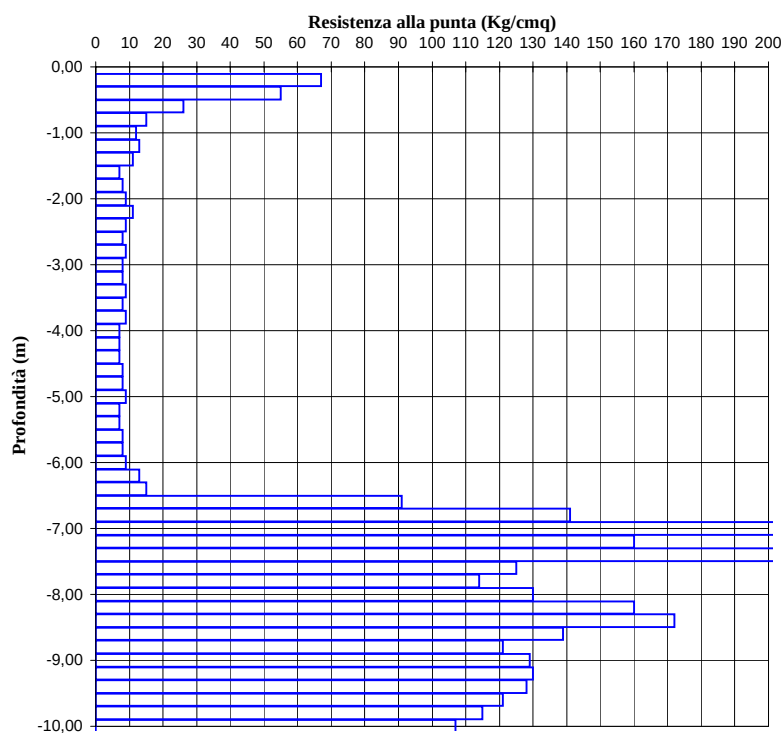
Prova penetrometrica statica n.

2

Località: **Campo sportivo-Chignolo Po**
Committente: **Comune di Chignolo Po**

Data:
Livello falda

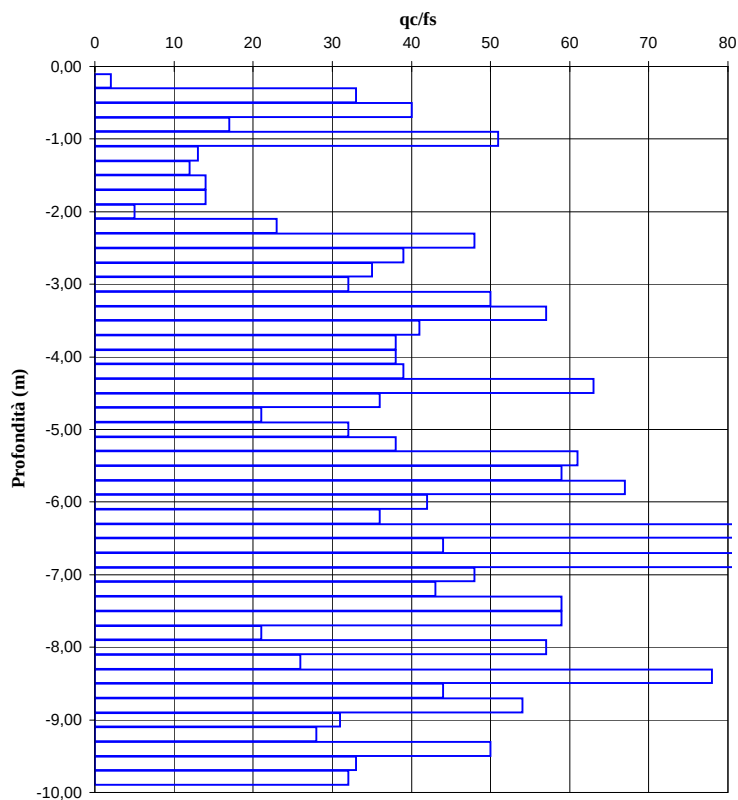
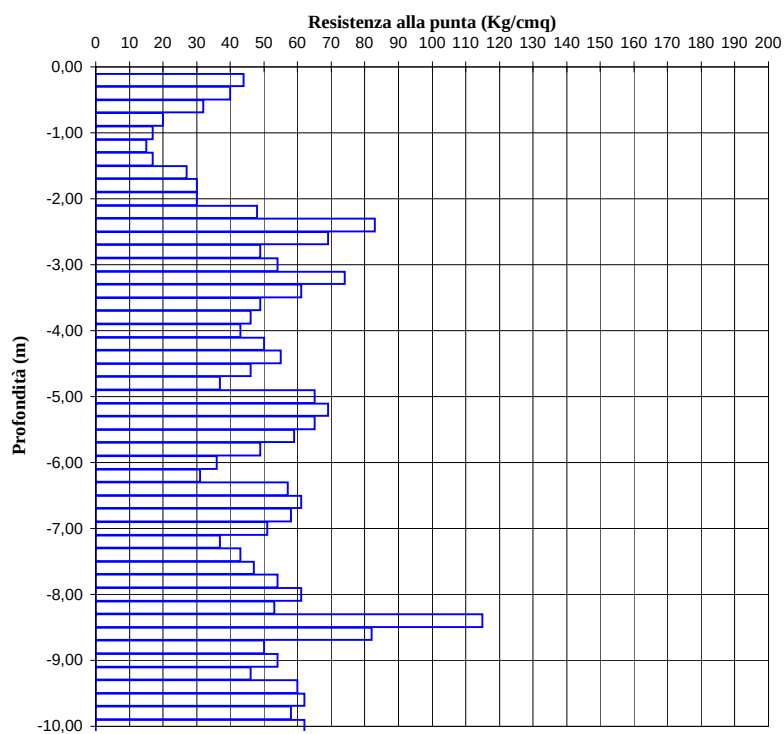
13/01/2003
-1,60 m



Quota	Rp	Rp+R m	qc/fs	Quota	Rp	Rp+R m	qc/fs
0,00			#####	-9,20	130		46
-0,20	67		72	-9,40	128		44
-0,40	55		55	-9,60	121		38
-0,60	26		43	-9,80	115		40
-0,80	15		14	-10,00	107		-
-1,00	12		11	-10,20			
-1,20	13		97	-10,40			
-1,40	11		33	-10,60			
-1,60	7		17	-10,80			
-1,80	8		17	-11,00			
-2,00	9		19	-11,20			
-2,20	11		21	-11,40			
-2,40	9		27	-11,60			
-2,60	8		24	-11,80			
-2,80	9		27	-12,00			
-3,00	8		30	-12,20			
-3,20	8		30	-12,40			
-3,40	9		34	-12,60			
-3,60	8		60	-12,80			
-3,80	9		45	-13,00			
-4,00	7		26	-13,20			
-4,20	7		21	-13,40			
-4,40	7		21	-13,60			
-4,60	8		30	-13,80			
-4,80	8		24	-14,00			
-5,00	9		34	-14,20			
-5,20	7		21	-14,40			
-5,40	7		21	-14,60			
-5,60	8		30	-14,80			
-5,80	8		24	-15,00			
-6,00	9		15	-15,20			
-6,20	13		15	-15,40			
-6,40	15		5	-15,60			
-6,60	91		76	-15,80			
-6,80	141		78	-16,00			
-7,00	213		58	-16,20			
-7,20	160		267	-16,40			
-7,40	227		87	-16,60			
-7,60	125		49	-16,80			
-7,80	114		43	-17,00			
-8,00	130		45	-17,20			
-8,20	160		53	-17,40			
-8,40	172		53	-17,60			
-8,60	139		45	-17,80			
-8,80	121		35	-18,00			
-9,00	129		48				

Prova penetrometrica statica n.

3

GHEOS s.a.s.
di Sacchi G & C.Località: **Lambrinia di Chignolo**
Committente: **MAVE S.r.l.**Data:
Livello falda18/06/2002
-9,00 m

Quota	Rp	Rp+R m	qc/fs	Quota	Rp	Rp+R m	qc/fs
0,00			#####	-9,20	46		28
-0,20	44		2	-9,40	60		50
-0,40	40		33	-9,60	62		33
-0,60	32		40	-9,80	58		32
-0,80	20		17	-10,00	62		-
-1,00	17		51	-10,20			
-1,20	15		13	-10,40			
-1,40	17		12	-10,60			
-1,60	27		14	-10,80			
-1,80	30		14	-11,00			
-2,00	30		5	-11,20			
-2,20	48		23	-11,40			
-2,40	83		48	-11,60			
-2,60	69		39	-11,80			
-2,80	49		35	-12,00			
-3,00	54		32	-12,20			
-3,20	74		50	-12,40			
-3,40	61		57	-12,60			
-3,60	49		41	-12,80			
-3,80	46		38	-13,00			
-4,00	43		38	-13,20			
-4,20	50		39	-13,40			
-4,40	55		63	-13,60			
-4,60	46		36	-13,80			
-4,80	37		21	-14,00			
-5,00	65		32	-14,20			
-5,20	69		38	-14,40			
-5,40	65		61	-14,60			
-5,60	59		59	-14,80			
-5,80	49		67	-15,00			
-6,00	36		42	-15,20			
-6,20	31		36	-15,40			
-6,40	57		107	-15,60			
-6,60	61		44	-15,80			
-6,80	58		87	-16,00			
-7,00	51		48	-16,20			
-7,20	37		43	-16,40			
-7,40	43		59	-16,60			
-7,60	47		59	-16,80			
-7,80	54		21	-17,00			
-8,00	61		57	-17,20			
-8,20	53		26	-17,40			
-8,40	115		78	-17,60			
-8,60	82		44	-17,80			
-8,80	50		54	-18,00			
-9,00	54		31				

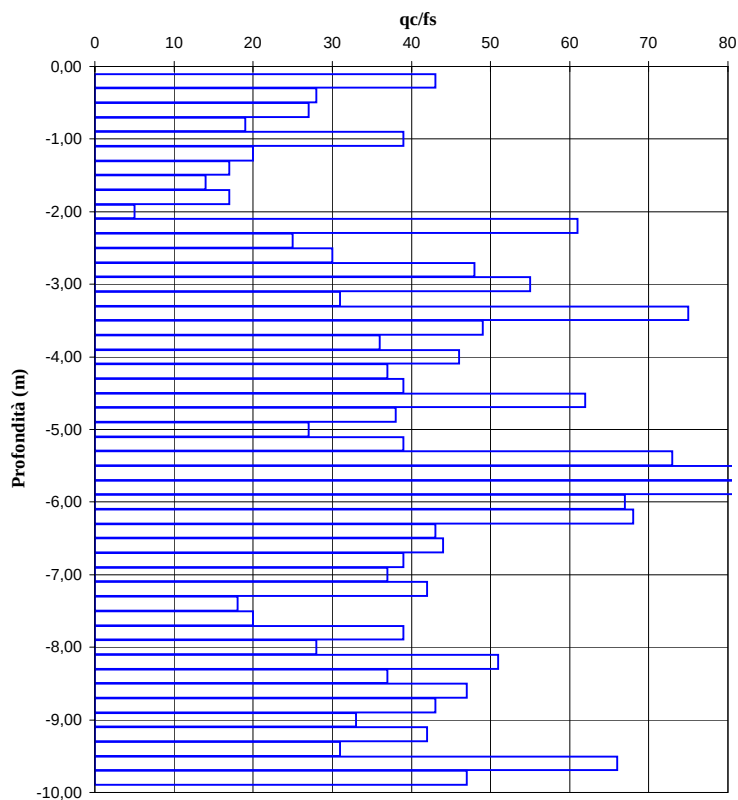
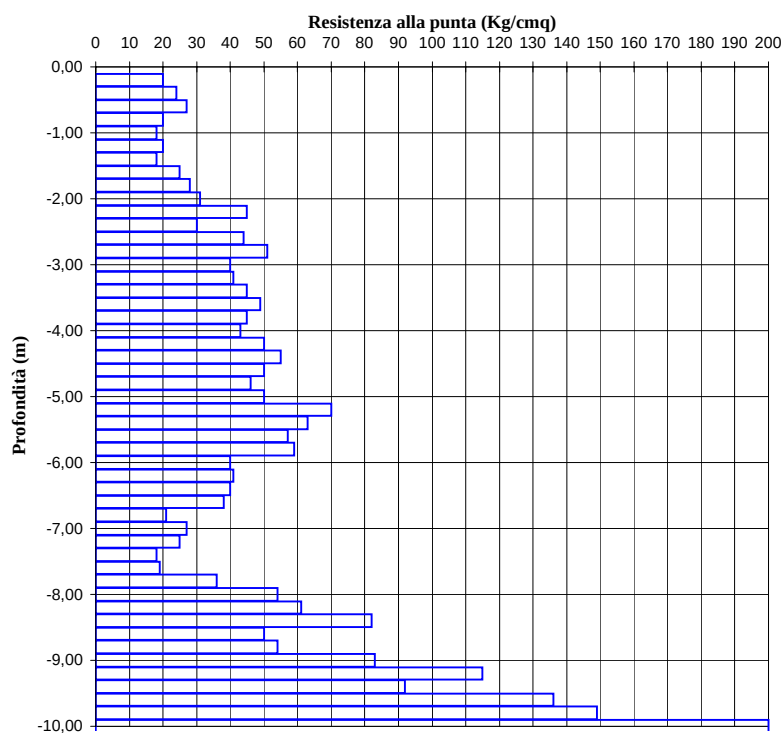
Prova penetrometrica statica n.

4

Località: **Lambrinia di Chignolo**
Committente: **MAVE S.r.l.**

Data:
Livello falda

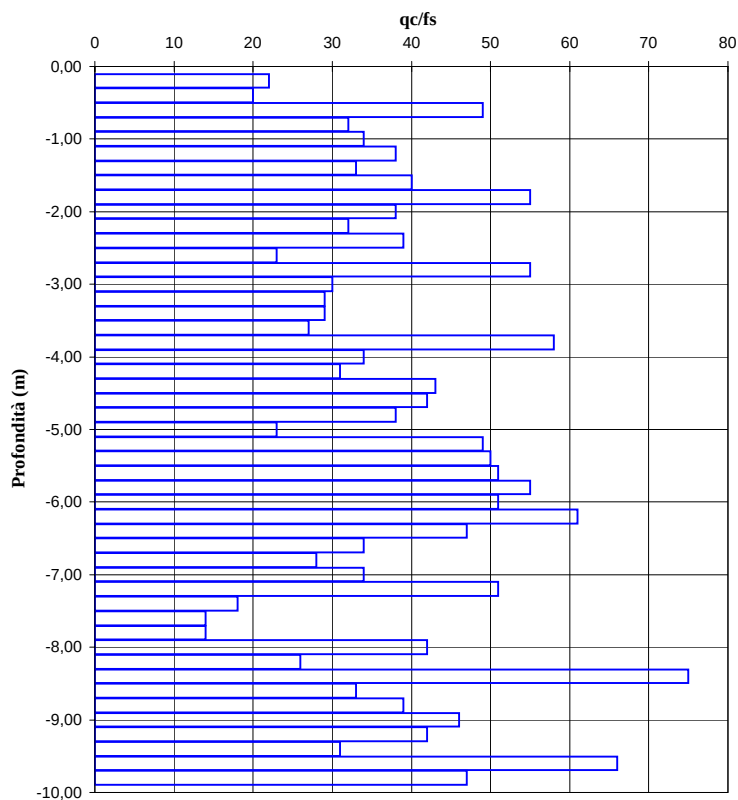
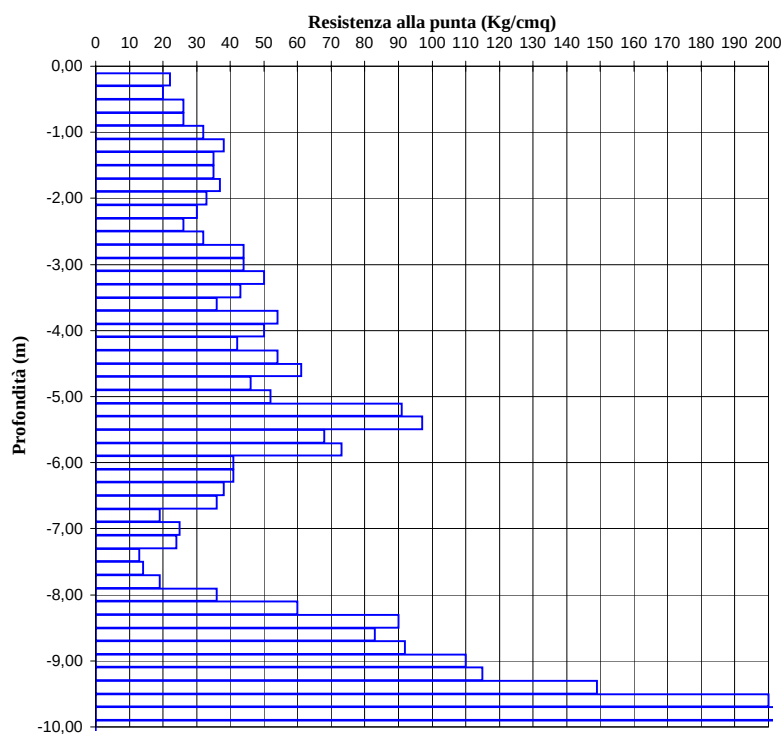
18/06/2002
-9,00 m



Quota	Rp	Rp+R m	qc/fs	Quota	Rp	Rp+R m	qc/fs
0,00			#####	-9,20	115		42
-0,20	20		43	-9,40	92		31
-0,40	24		28	-9,60	136		66
-0,60	27		27	-9,80	149		47
-0,80	20		19	-10,00	200		-
-1,00	18		39	-10,20			
-1,20	20		20	-10,40			
-1,40	18		17	-10,60			
-1,60	25		14	-10,80			
-1,80	28		17	-11,00			
-2,00	31		5	-11,20			
-2,20	45		61	-11,40			
-2,40	30		25	-11,60			
-2,60	44		30	-11,80			
-2,80	51		48	-12,00			
-3,00	40		55	-12,20			
-3,20	41		31	-12,40			
-3,40	45		75	-12,60			
-3,60	49		49	-12,80			
-3,80	45		36	-13,00			
-4,00	43		46	-13,20			
-4,20	50		37	-13,40			
-4,40	55		39	-13,60			
-4,60	50		62	-13,80			
-4,80	46		38	-14,00			
-5,00	50		27	-14,20			
-5,20	70		39	-14,40			
-5,40	63		73	-14,60			
-5,60	57		142	-14,80			
-5,80	59		98	-15,00			
-6,00	40		67	-15,20			
-6,20	41		68	-15,40			
-6,40	40		43	-15,60			
-6,60	38		44	-15,80			
-6,80	21		39	-16,00			
-7,00	27		37	-16,20			
-7,20	25		42	-16,40			
-7,40	18		18	-16,60			
-7,60	19		20	-16,80			
-7,80	36		39	-17,00			
-8,00	54		28	-17,20			
-8,20	61		51	-17,40			
-8,40	82		37	-17,60			
-8,60	50		47	-17,80			
-8,80	54		43	-18,00			
-9,00	83		33				

Prova penetrometrica statica n.

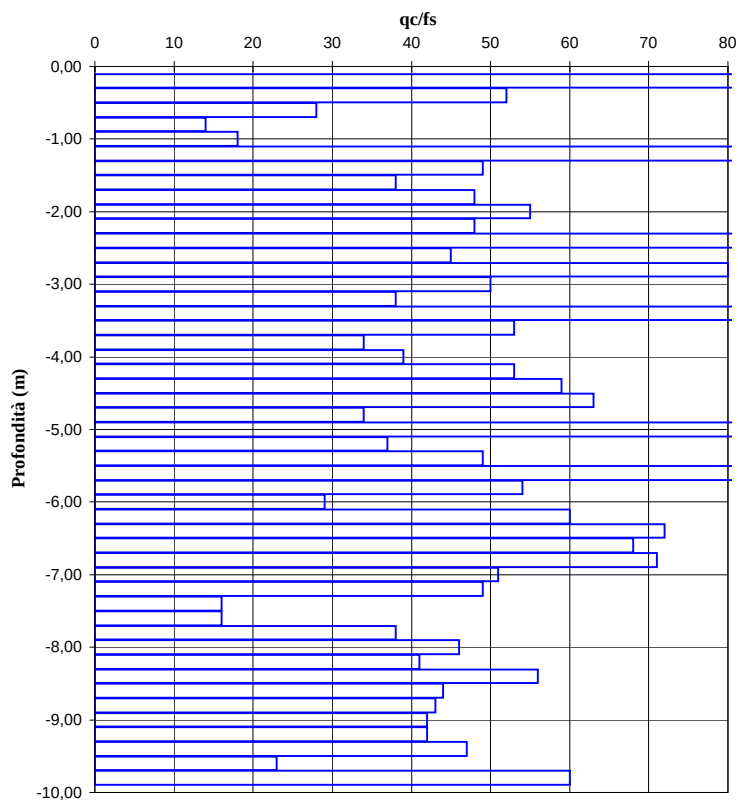
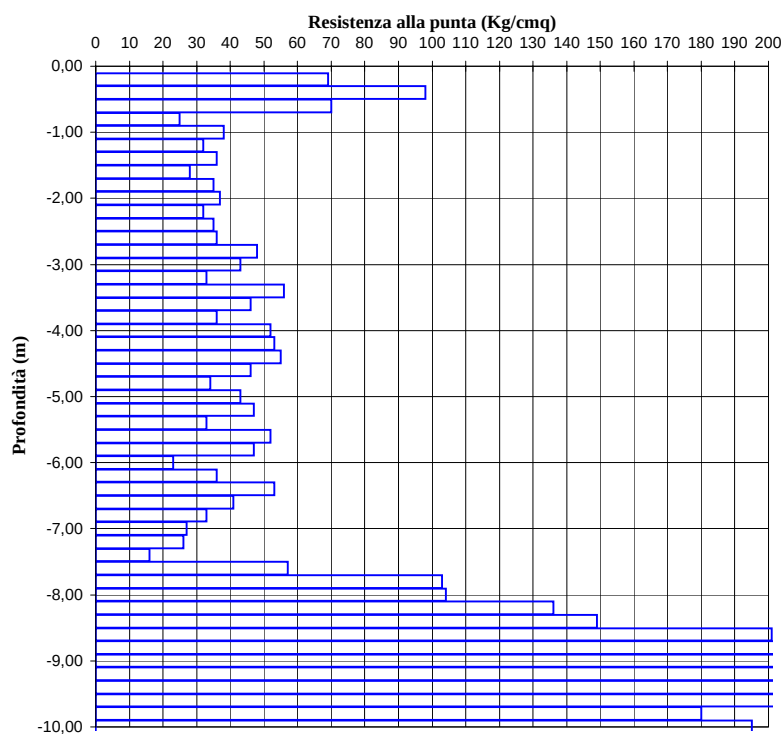
5

GHEOS s.a.s.
di Sacchi G & C.Località: **Lambrinia di Chignolo**
Committente: **MAVE S.r.l.**Data:
Livello falda18/06/2002
-9,00 m

Quota	Rp	Rp+R m	qc/fs	Quota	Rp	Rp+R m	qc/fs
0,00			#####	-9,20	115		42
-0,20	22		22	-9,40	149		31
-0,40	20		20	-9,60	200		66
-0,60	26		49	-9,80	203		47
-0,80	26		32	-10,00	218		-
-1,00	32		34	-10,20			
-1,20	38		38	-10,40			
-1,40	35		33	-10,60			
-1,60	35		40	-10,80			
-1,80	37		55	-11,00			
-2,00	33		38	-11,20			
-2,20	30		32	-11,40			
-2,40	26		39	-11,60			
-2,60	32		23	-11,80			
-2,80	44		55	-12,00			
-3,00	44		30	-12,20			
-3,20	50		29	-12,40			
-3,40	43		29	-12,60			
-3,60	36		27	-12,80			
-3,80	54		58	-13,00			
-4,00	50		34	-13,20			
-4,20	42		31	-13,40			
-4,40	54		43	-13,60			
-4,60	61		42	-13,80			
-4,80	46		38	-14,00			
-5,00	52		23	-14,20			
-5,20	91		49	-14,40			
-5,40	97		50	-14,60			
-5,60	68		51	-14,80			
-5,80	73		55	-15,00			
-6,00	41		51	-15,20			
-6,20	41		61	-15,40			
-6,40	38		47	-15,60			
-6,60	36		34	-15,80			
-6,80	19		28	-16,00			
-7,00	25		34	-16,20			
-7,20	24		51	-16,40			
-7,40	13		18	-16,60			
-7,60	14		14	-16,80			
-7,80	19		14	-17,00			
-8,00	36		42	-17,20			
-8,20	60		26	-17,40			
-8,40	90		75	-17,60			
-8,60	83		33	-17,80			
-8,80	92		39	-18,00			
-9,00	110		46				

Prova penetrometrica statica n.

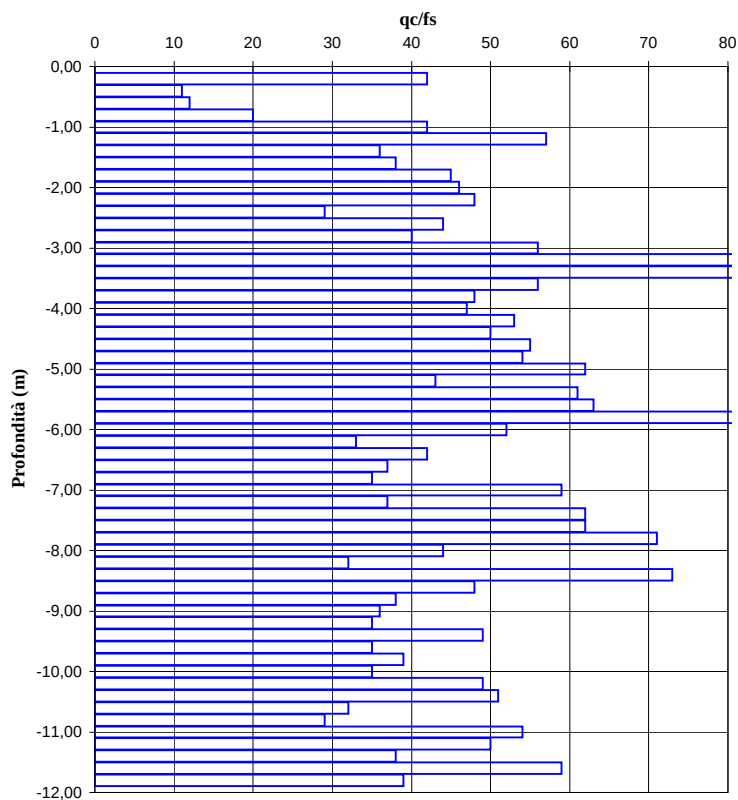
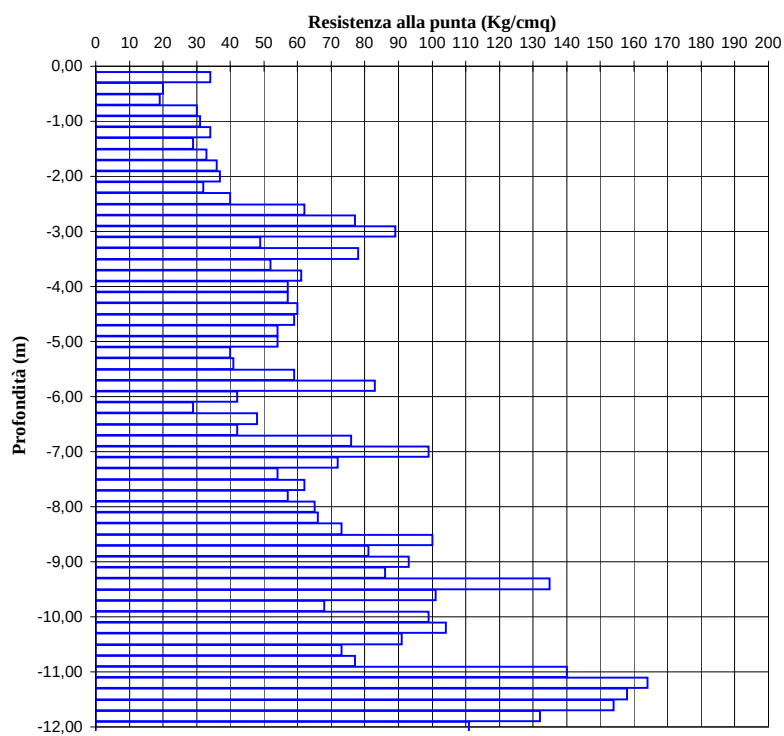
6

GHEOS s.a.s.
di Sacchi G & C.Località: Lambrinia di Chignolo
Committente: MAVE S.r.l.Data:
Livello falda18/06/2002
-9,00 m

Quota	Rp	Rp+R m	qc/fs	Quota	Rp	Rp+R m	qc/fs
0,00			#####	-9,20	232		42
-0,20	69		103	-9,40	230		47
-0,40	98		52	-9,60	219		23
-0,60	70		28	-9,80	180		60
-0,80	25		14	-10,00	195		-
-1,00	38		18	-10,20			
-1,20	32		96	-10,40			
-1,40	36		49	-10,60			
-1,60	28		38	-10,80			
-1,80	35		48	-11,00			
-2,00	37		55	-11,20			
-2,20	32		48	-11,40			
-2,40	35		87	-11,60			
-2,60	36		45	-11,80			
-2,80	48		80	-12,00			
-3,00	43		50	-12,20			
-3,20	33		38	-12,40			
-3,40	56		120	-12,60			
-3,60	46		53	-12,80			
-3,80	36		34	-13,00			
-4,00	52		39	-13,20			
-4,20	53		53	-13,40			
-4,40	55		59	-13,60			
-4,60	46		63	-13,80			
-4,80	34		34	-14,00			
-5,00	43		81	-14,20			
-5,20	47		37	-14,40			
-5,40	33		49	-14,60			
-5,60	52		130	-14,80			
-5,80	47		54	-15,00			
-6,00	23		29	-15,20			
-6,20	36		60	-15,40			
-6,40	53		72	-15,60			
-6,60	41		68	-15,80			
-6,80	33		71	-16,00			
-7,00	27		51	-16,20			
-7,20	26		49	-16,40			
-7,40	16		16	-16,60			
-7,60	57		16	-16,80			
-7,80	103		38	-17,00			
-8,00	104		46	-17,20			
-8,20	136		41	-17,40			
-8,40	149		56	-17,60			
-8,60	201		44	-17,80			
-8,80	214		43	-18,00			
-9,00	238		42				

Prova penetrometrica statica n.

7

GHEOS s.a.s.
di Sacchi G & C.Località: Chignolo Po
Committente: Sig.ra Rossi Rita ed altriData:
Livello falda05/04/2003
-12,00 m

Quota	Rp	Rp+R m	qc/fs	Quota	Rp	Rp+R m	qc/fs
0,00			#####	-9,20	86		35
-0,20	34		42	-9,40	135		49
-0,40	20		11	-9,60	101		35
-0,60	19		12	-9,80	68		39
-0,80	30		20	-10,00	99		35
-1,00	31		42	-10,20	104		49
-1,20	34		57	-10,40	91		51
-1,40	29		36	-10,60	73		32
-1,60	33		38	-10,80	77		29
-1,80	36		45	-11,00	140		54
-2,00	37		46	-11,20	164		50
-2,20	32		48	-11,40	158		38
-2,40	40		29	-11,60	154		59
-2,60	62		44	-11,80	132		39
-2,80	77		40	-12,00	111		
-3,00	89		56	-12,20			
-3,20	49		92	-12,40			
-3,40	78		90	-12,60			
-3,60	52		56	-12,80			
-3,80	61		48	-13,00			
-4,00	57		47	-13,20			
-4,20	57		53	-13,40			
-4,40	60		50	-13,60			
-4,60	59		55	-13,80			
-4,80	54		54	-14,00			
-5,00	54		62	-14,20			
-5,20	40		43	-14,40			
-5,40	41		61	-14,60			
-5,60	59		63	-14,80			
-5,80	83		89	-15,00			
-6,00	42		52	-15,20			
-6,20	29		33	-15,40			
-6,40	48		42	-15,60			
-6,60	42		37	-15,80			
-6,80	76		35	-16,00			
-7,00	99		59	-16,20			
-7,20	72		37	-16,40			
-7,40	54		62	-16,60			
-7,60	62		62	-16,80			
-7,80	57		71	-17,00			
-8,00	65		44	-17,20			
-8,20	66		32	-17,40			
-8,40	73		73	-17,60			
-8,60	100		48	-17,80			
-8,80	81		38	-18,00			
-9,00	93		36				

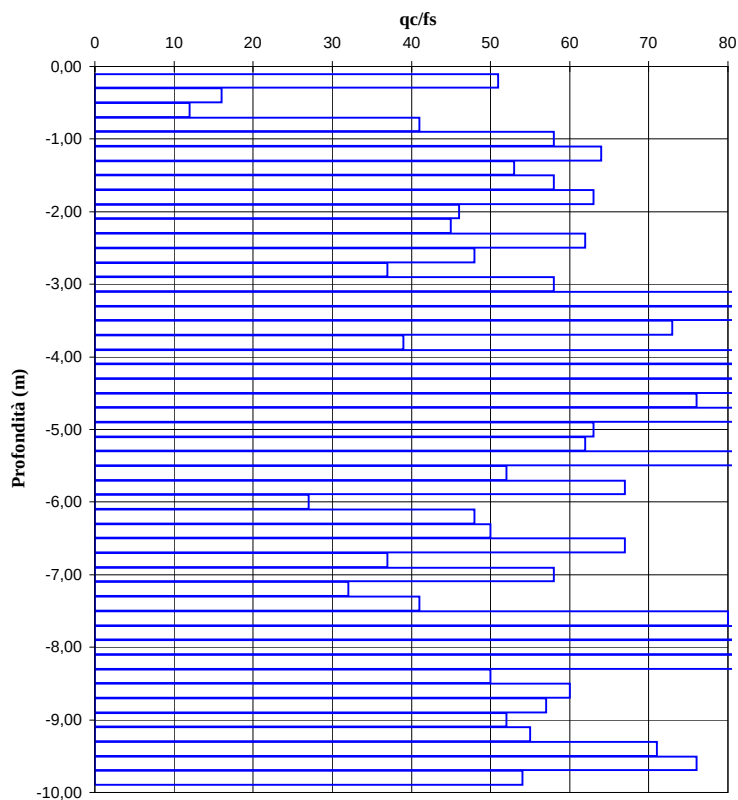
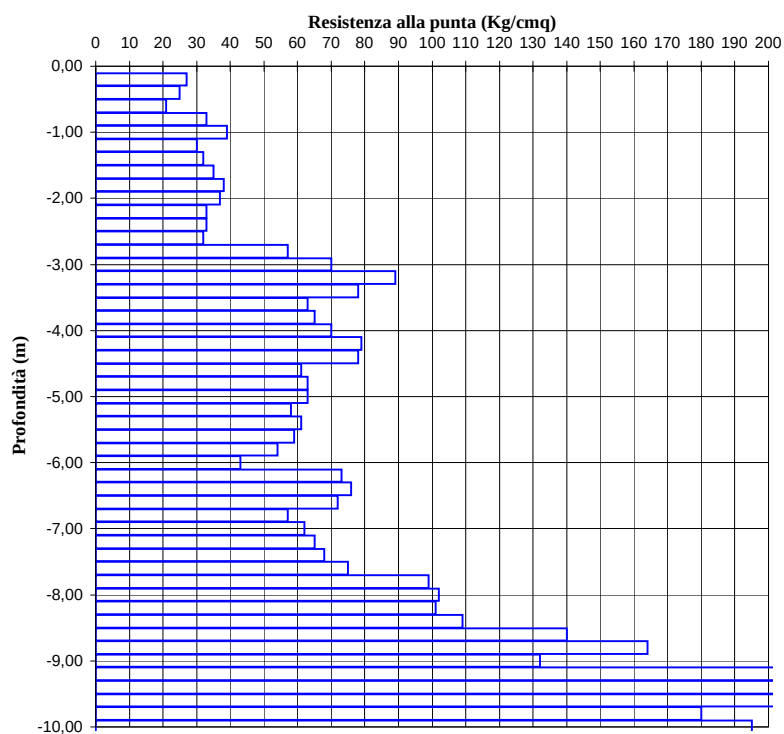
Prova penetrometrica statica n.

8

Località: **Chignolo Po**
Committente: **Sig.ra Rossi Rita ed altri**

Data:
Livello falda

05/04/2003
N.P.



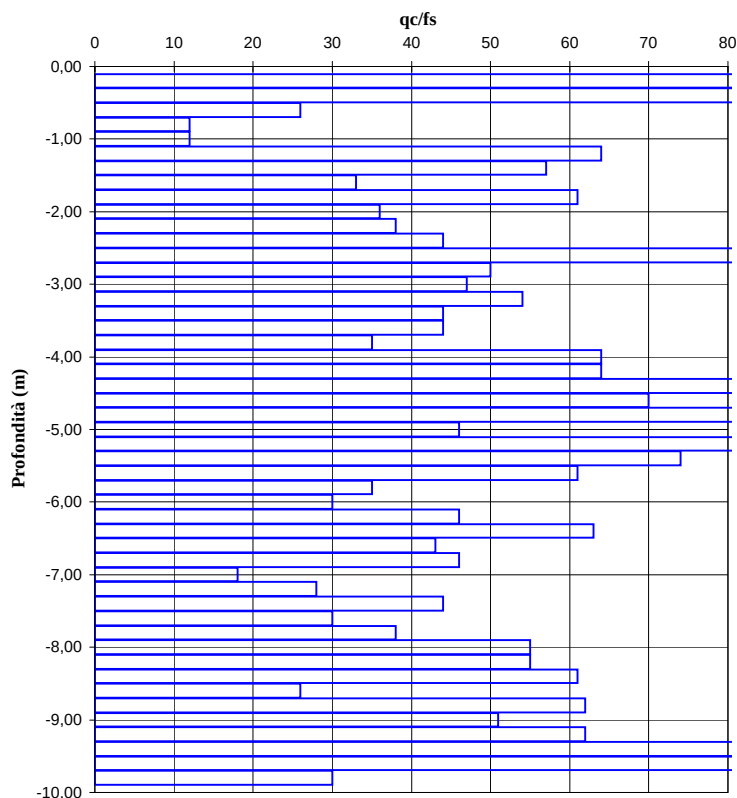
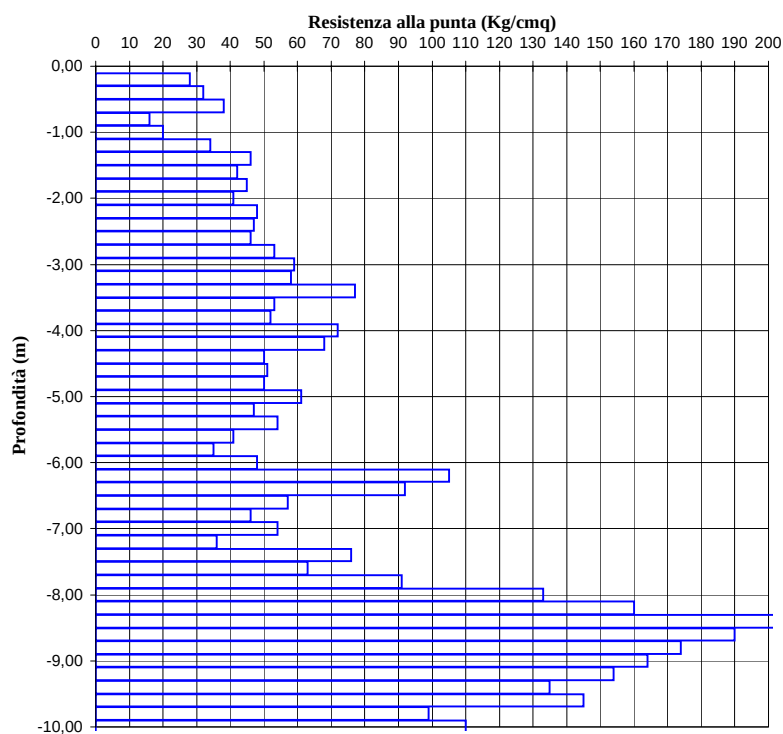
Quota	Rp	Rp+R m	qc/fs	Quota	Rp	Rp+R m	qc/fs
0,00			#####	-9,20	232		55
-0,20	27		51	-9,40	230		71
-0,40	25		16	-9,60	219		76
-0,60	21		12	-9,80	180		54
-0,80	33		41	-10,00	195		-
-1,00	39		58	-10,20			
-1,20	30		64	-10,40			
-1,40	32		53	-10,60			
-1,60	35		58	-10,80			
-1,80	38		63	-11,00			
-2,00	37		46	-11,20			
-2,20	33		45	-11,40			
-2,40	33		62	-11,60			
-2,60	32		48	-11,80			
-2,80	57		37	-12,00			
-3,00	70		58	-12,20			
-3,20	89		89	-12,40			
-3,40	78		117	-12,60			
-3,60	63		73	-12,80			
-3,80	65		39	-13,00			
-4,00	70		162	-13,20			
-4,20	79		592	-13,40			
-4,40	78		90	-13,60			
-4,60	61		76	-13,80			
-4,80	63		94	-14,00			
-5,00	63		63	-14,20			
-5,20	58		62	-14,40			
-5,40	61		83	-14,60			
-5,60	59		52	-14,80			
-5,80	54		67	-15,00			
-6,00	43		27	-15,20			
-6,20	73		48	-15,40			
-6,40	76		50	-15,60			
-6,60	72		67	-15,80			
-6,80	57		37	-16,00			
-7,00	62		58	-16,20			
-7,20	65		32	-16,40			
-7,40	68		41	-16,60			
-7,60	75		80	-16,80			
-7,80	99		106	-17,00			
-8,00	102		96	-17,20			
-8,20	101		117	-17,40			
-8,40	109		50	-17,60			
-8,60	140		60	-17,80			
-8,80	164		57	-18,00			
-9,00	132		52				

Prova penetrometrica statica n.

9

Località: **Chignolo Po**
Committente: **Sig.ra Rossi Rita ed altri**

Data: **05/04/2003**
Livello falda: **N.P.**



Quota	Rp	Rp+R m	qc/fs	Quota	Rp	Rp+R m	qc/fs
0,00			#####	-9,20	154		62
-0,20	28		105	-9,40	135		112
-0,40	32		240	-9,60	145		99
-0,60	38		26	-9,80	99		30
-0,80	16		12	-10,00	110		-
-1,00	20		12	-10,20			
-1,20	34		64	-10,40			
-1,40	46		57	-10,60			
-1,60	42		33	-10,80			
-1,80	45		61	-11,00			
-2,00	41		36	-11,20			
-2,20	48		38	-11,40			
-2,40	47		44	-11,60			
-2,60	46		99	-11,80			
-2,80	53		50	-12,00			
-3,00	59		47	-12,20			
-3,20	58		54	-12,40			
-3,40	77		44	-12,60			
-3,60	53		44	-12,80			
-3,80	52		35	-13,00			
-4,00	72		64	-13,20			
-4,20	68		64	-13,40			
-4,40	50		94	-13,60			
-4,60	51		70	-13,80			
-4,80	50		83	-14,00			
-5,00	61		46	-14,20			
-5,20	47		101	-14,40			
-5,40	54		74	-14,60			
-5,60	41		61	-14,80			
-5,80	35		35	-15,00			
-6,00	48		30	-15,20			
-6,20	105		46	-15,40			
-6,40	92		63	-15,60			
-6,60	57		43	-15,80			
-6,80	46		46	-16,00			
-7,00	54		18	-16,20			
-7,20	36		28	-16,40			
-7,40	76		44	-16,60			
-7,60	63		30	-16,80			
-7,80	91		38	-17,00			
-8,00	133		55	-17,20			
-8,20	160		55	-17,40			
-8,40	206		61	-17,60			
-8,60	190		26	-17,80			
-8,80	174		62	-18,00			
-9,00	164		51				

Prova penetrometrica statica n.

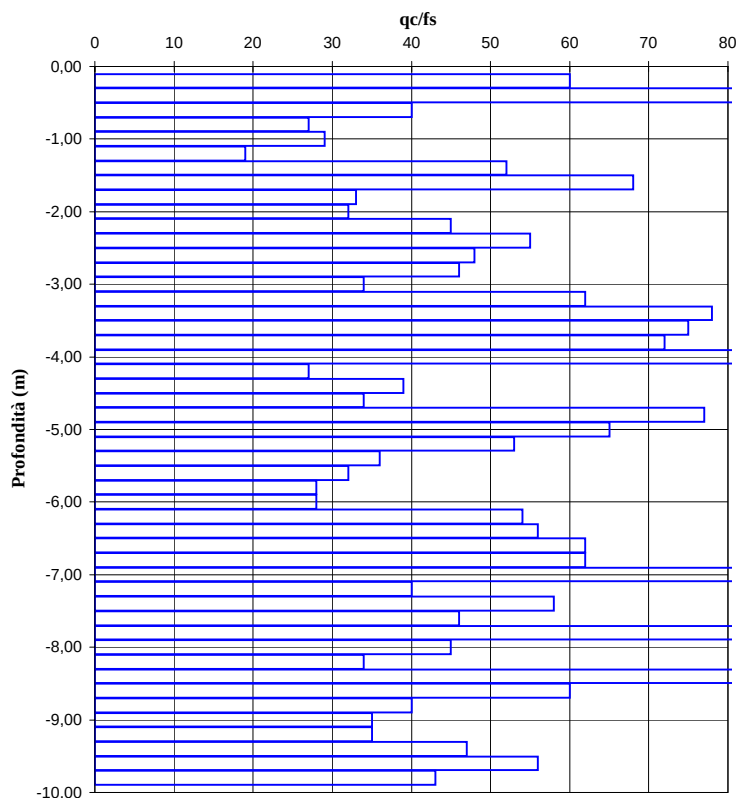
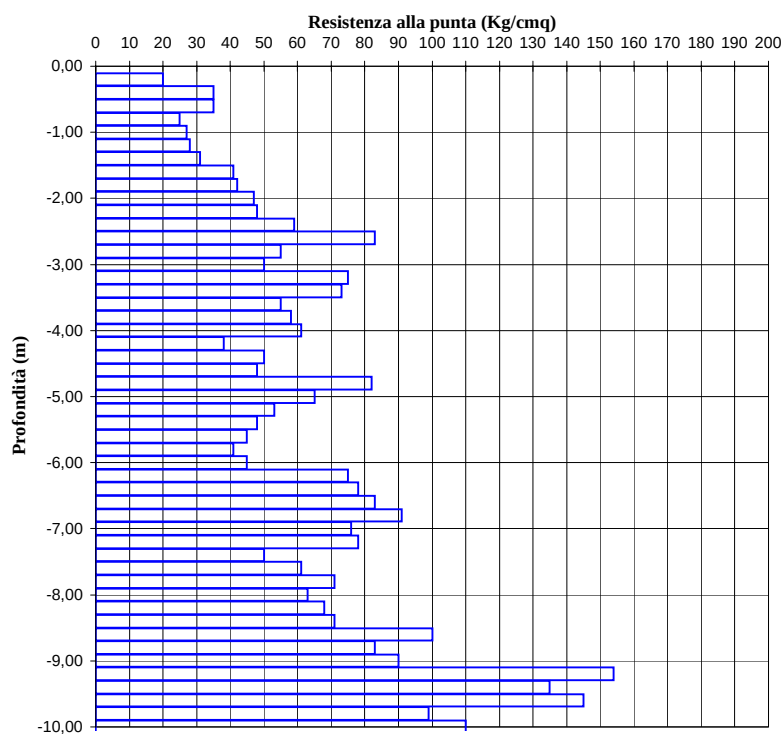
10

GHEOS s.a.s.
di Sacchi G & C.

Località: Chignolo Po
Committente: Sig.ra Rossi Rita ed altri

Data:
Livello falda

05/04/2003
N.P.



Quota	Rp	Rp+Rm	qc/fs	Quota	Rp	Rp+Rm	qc/fs
0,00			####	-9,20	154		35
-0,20	20		60	-9,40	135		47
-0,40	35		87	-9,60	145		56
-0,60	35		40	-9,80	99		43
-0,80	25		27	-10,00	110		
-1,00	27		29	-10,20			
-1,20	28		19	-10,40			
-1,40	31		52	-10,60			
-1,60	41		68	-10,80			
-1,80	42		33	-11,00			
-2,00	47		32	-11,20			
-2,20	48		45	-11,40			
-2,40	59		55	-11,60			
-2,60	83		48	-11,80			
-2,80	55		46	-12,00			
-3,00	50		34	-12,20			
-3,20	75		62	-12,40			
-3,40	73		78	-12,60			
-3,60	55		75	-12,80			
-3,80	58		72	-13,00			
-4,00	61		102	-13,20			
-4,20	38		27	-13,40			
-4,40	50		39	-13,60			
-4,60	48		34	-13,80			
-4,80	82		77	-14,00			
-5,00	65		65	-14,20			
-5,20	53		53	-14,40			
-5,40	48		36	-14,60			
-5,60	45		32	-14,80			
-5,80	41		28	-15,00			
-6,00	45		28	-15,20			
-6,20	75		54	-15,40			
-6,40	78		56	-15,60			
-6,60	83		62	-15,80			
-6,80	91		62	-16,00			
-7,00	76		81	-16,20			
-7,20	78		40	-16,40			
-7,40	50		58	-16,60			
-7,60	61		46	-16,80			
-7,80	71		82	-17,00			
-8,00	63		45	-17,20			
-8,20	68		34	-17,40			
-8,40	71		97	-17,60			
-8,60	100		60	-17,80			
-8,80	83		40	-18,00			
-9,00	90		35				

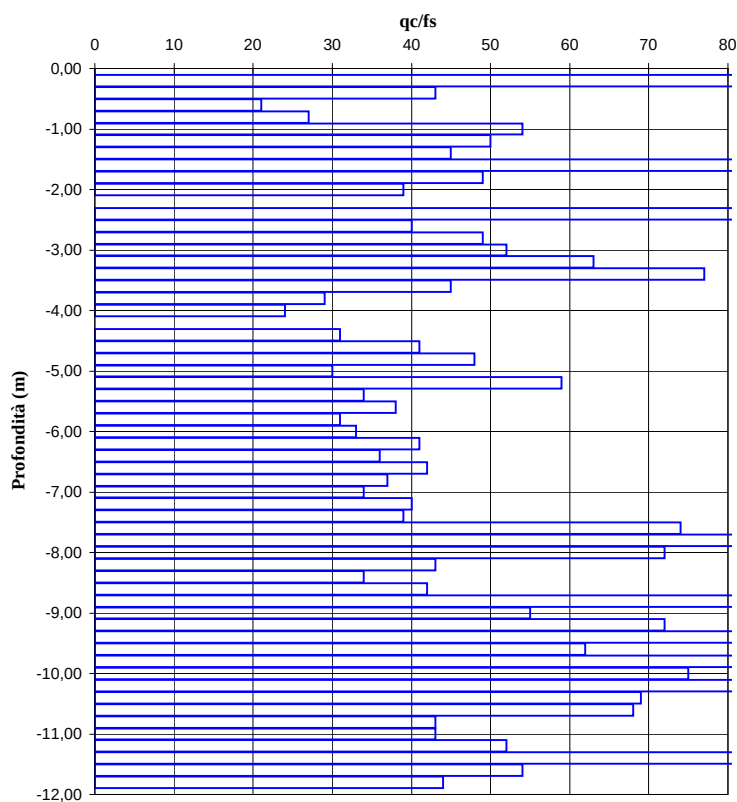
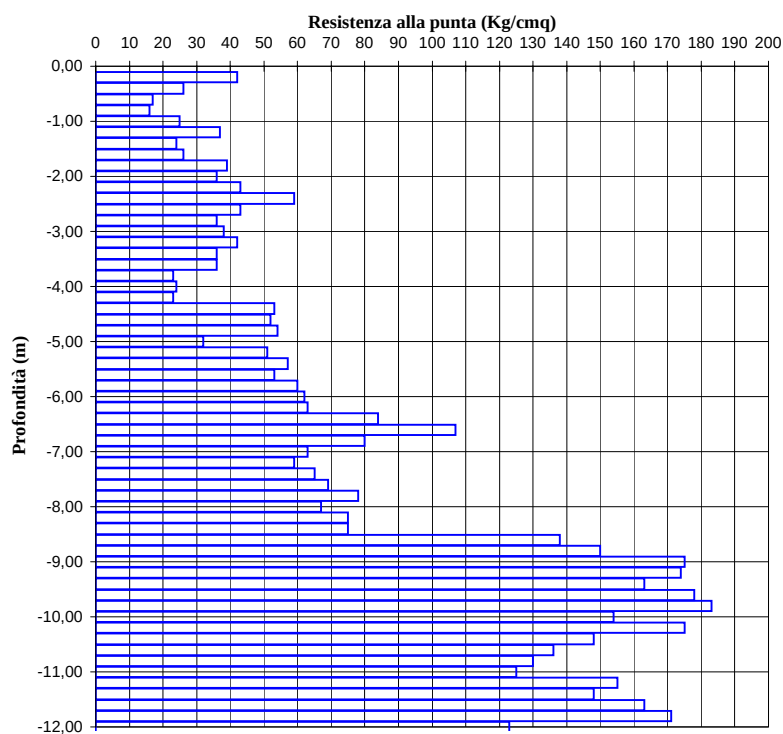
Prova penetrometrica statica n.

11

Località: **Chignolo Po**
Committente: **Sig.ra Rossi Rita ed altri**

Data:
Livello falda

05/04/2003
-12,00 m



Quota	Rp	Rp+R m	qc/fs	Quota	Rp	Rp+R m	qc/fs
0,00			#####	-9,20	174		72
-0,20	42		105	-9,40	163		82
-0,40	26		43	-9,60	178		62
-0,60	17		21	-9,80	183		81
-0,80	16		27	-10,00	154		75
-1,00	25		54	-10,20	175		114
-1,20	37		50	-10,40	148		69
-1,40	24		45	-10,60	136		68
-1,60	26		97	-10,80	130		43
-1,80	39		49	-11,00	125		43
-2,00	36		39	-11,20	155		52
-2,20	43		-	-11,40	148		101
-2,40	59		98	-11,60	163		54
-2,60	43		40	-11,80	171		44
-2,80	36		49	-12,00	123		
-3,00	38		52	-12,20			
-3,20	42		63	-12,40			
-3,40	36		77	-12,60			
-3,60	36		45	-12,80			
-3,80	23		29	-13,00			
-4,00	24		24	-13,20			
-4,20	23		-	-13,40			
-4,40	53		31	-13,60			
-4,60	52		41	-13,80			
-4,80	54		48	-14,00			
-5,00	32		30	-14,20			
-5,20	51		59	-14,40			
-5,40	57		34	-14,60			
-5,60	53		38	-14,80			
-5,80	60		31	-15,00			
-6,00	62		33	-15,20			
-6,20	63		41	-15,40			
-6,40	84		36	-15,60			
-6,60	107		42	-15,80			
-6,80	80		37	-16,00			
-7,00	63		34	-16,20			
-7,20	59		40	-16,40			
-7,40	65		39	-16,60			
-7,60	69		74	-16,80			
-7,80	78		167	-17,00			
-8,00	67		72	-17,20			
-8,20	75		43	-17,40			
-8,40	75		34	-17,60			
-8,60	138		42	-17,80			
-8,80	150		83	-18,00			
-9,00	175		55				

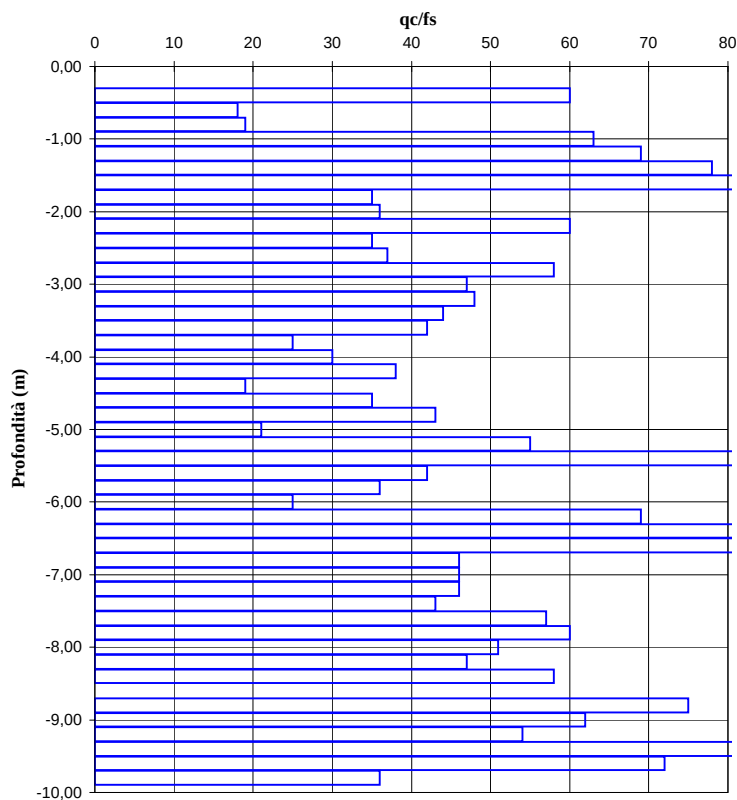
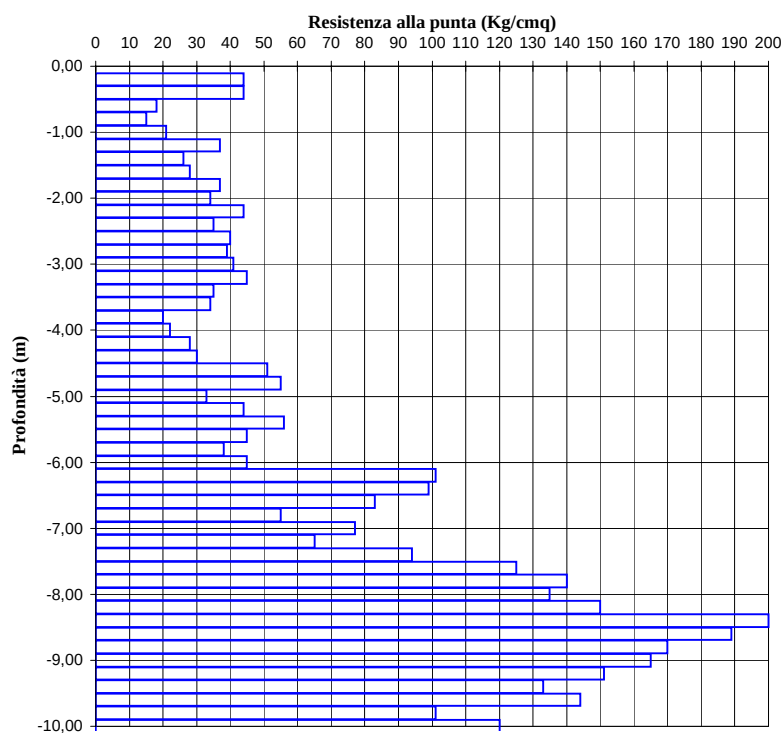
Prova penetrometrica statica n.

12

Località: **Chignolo Po**
Committente: **Sig.ra Rossi Rita ed altri**

Data:
Livello falda

05/04/2003
N.P.



Quota	Rp	Rp+Rm	qc/fs	Quota	Rp	Rp+Rm	qc/fs
0,00			#####	-9,20	151		54
-0,20	44		-	-9,40	133		83
-0,40	44		60	-9,60	144		72
-0,60	18		18	-9,80	101		36
-0,80	15		19	-10,00	120		-
-1,00	21		63	-10,20			
-1,20	37		69	-10,40			
-1,40	26		78	-10,60			
-1,60	28		105	-10,80			
-1,80	37		35	-11,00			
-2,00	34		36	-11,20			
-2,20	44		60	-11,40			
-2,40	35		35	-11,60			
-2,60	40		37	-11,80			
-2,80	39		58	-12,00			
-3,00	41		47	-12,20			
-3,20	45		48	-12,40			
-3,40	35		44	-12,60			
-3,60	34		42	-12,80			
-3,80	20		25	-13,00			
-4,00	22		30	-13,20			
-4,20	28		38	-13,40			
-4,40	30		19	-13,60			
-4,60	51		35	-13,80			
-4,80	55		43	-14,00			
-5,00	33		21	-14,20			
-5,20	44		55	-14,40			
-5,40	56		84	-14,60			
-5,60	45		42	-14,80			
-5,80	38		36	-15,00			
-6,00	45		25	-15,20			
-6,20	101		69	-15,40			
-6,40	99		93	-15,60			
-6,60	83		83	-15,80			
-6,80	55		46	-16,00			
-7,00	77		46	-16,20			
-7,20	65		46	-16,40			
-7,40	94		43	-16,60			
-7,60	125		57	-16,80			
-7,80	140		60	-17,00			
-8,00	135		51	-17,20			
-8,20	150		47	-17,40			
-8,40	200		58	-17,60			
-8,60	189		-	-17,80			
-8,80	170		75	-18,00			
-9,00	165		62				

COMUNE DI CHIGNOLO PO (PV)
Progetto di ampliamento costruzione cimiteriale

CPT 13

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 07/12/2006
Profondità prova 9,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	1,067	0,0	
0,40	23,0	39,0	23,0	1,6	14,38	6,96
0,60	22,0	46,0	22,0	1,733	12,69	7,88
0,80	23,0	49,0	23,0	2,0	11,5	8,7
1,00	36,0	66,0	36,0	1,6	22,5	4,44
1,20	37,0	61,0	37,0	1,533	24,14	4,14
1,40	23,0	46,0	23,0	0,867	26,53	3,77
1,60	29,0	42,0	29,0	0,6	48,33	2,07
1,80	31,0	40,0	31,0	1,267	24,47	4,09
2,00	31,0	50,0	31,0	0,6	51,67	1,94
2,20	33,0	42,0	33,0	0,667	49,48	2,02
2,40	33,0	43,0	33,0	0,533	61,91	1,62
2,60	36,0	44,0	36,0	0,467	77,09	1,3
2,80	34,0	41,0	34,0	0,8	42,5	2,35
3,00	34,0	46,0	34,0	0,533	63,79	1,57
3,20	36,0	44,0	36,0	0,667	53,97	1,85
3,40	28,0	38,0	28,0	0,667	41,98	2,38
3,60	34,0	44,0	34,0	0,533	63,79	1,57
3,80	38,0	46,0	38,0	0,6	63,33	1,58
4,00	30,0	39,0	30,0	1,0	30,0	3,33
4,20	32,0	47,0	32,0	1,0	32,0	3,13
4,40	50,0	65,0	50,0	0,933	53,59	1,87
4,60	55,0	69,0	55,0	0,267	205,99	0,49
4,80	56,0	60,0	56,0	0,6	93,33	1,07
5,00	29,0	38,0	29,0	1,933	15,0	6,67
5,20	29,0	58,0	29,0	-0,667	-43,48	-2,3
5,40	59,0	49,0	59,0	0,533	110,69	0,9
5,60	67,0	75,0	67,0	0,8	83,75	1,19
5,80	53,0	65,0	53,0	1,533	34,57	2,89
6,00	51,0	74,0	51,0	1,133	45,01	2,22
6,20	52,0	69,0	52,0	0,733	70,94	1,41
6,40	59,0	70,0	59,0	1,4	42,14	2,37
6,60	67,0	88,0	67,0	1,4	47,86	2,09
6,80	59,0	80,0	59,0	1,0	59,0	1,69
7,00	80,0	95,0	80,0	0,8	100,0	1,0
7,20	58,0	70,0	58,0	1,133	51,19	1,95
7,40	44,0	61,0	44,0	1,133	38,83	2,58
7,60	91,0	108,0	91,0	1,067	85,29	1,17
7,80	64,0	80,0	64,0	1,467	43,63	2,29
8,00	94,0	116,0	94,0	1,533	61,32	1,63
8,20	72,0	95,0	72,0	1,483	48,55	2,06
8,40	71,0	93,25	71,0	1,35	52,59	1,9
8,60	67,75	88,0	67,75	1,033	65,59	1,52
8,80	57,0	72,5	57,0	1,35	42,22	2,37
9,00	75,0	95,25	75,0	1,4	53,57	1,87
9,20	83,0	104,0	83,0	1,767	46,97	2,13
9,40	80,0	106,5	80,0	1,55	51,61	1,94
9,60	80,75	104,0	80,75	1,267	63,73	1,57
9,80	68,75	87,75	68,75	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di ampliamento costruzione cimiteriale

CPT 14

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 07/12/2006
Profondità prova 9,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,667	0,0	
0,40	20,0	30,0	20,0	0,467	42,83	2,34
0,60	29,0	36,0	29,0	1,067	27,18	3,68
0,80	40,0	56,0	40,0	0,6	66,67	1,5
1,00	34,0	43,0	34,0	0,467	72,81	1,37
1,20	34,0	41,0	34,0	0,533	63,79	1,57
1,40	31,0	39,0	31,0	0,667	46,48	2,15
1,60	27,0	37,0	27,0	0,667	40,48	2,47
1,80	31,0	41,0	31,0	0,667	46,48	2,15
2,00	38,0	48,0	38,0	0,8	47,5	2,11
2,20	38,0	50,0	38,0	0,733	51,84	1,93
2,40	59,0	70,0	59,0	0,8	73,75	1,36
2,60	36,0	48,0	36,0	1,533	23,48	4,26
2,80	37,0	60,0	37,0	0,667	55,47	1,8
3,00	33,0	43,0	33,0	0,8	41,25	2,42
3,20	33,0	45,0	33,0	0,8	41,25	2,42
3,40	55,0	67,0	55,0	0,533	103,19	0,97
3,60	42,0	50,0	42,0	0,4	105,0	0,95
3,80	44,0	50,0	44,0	1,133	38,83	2,58
4,00	62,0	79,0	62,0	0,8	77,5	1,29
4,20	52,0	64,0	52,0	1,0	52,0	1,92
4,40	39,0	54,0	39,0	0,8	48,75	2,05
4,60	41,0	53,0	41,0	0,533	76,92	1,3
4,80	46,0	54,0	46,0	0,8	57,5	1,74
5,00	32,0	44,0	32,0	0,8	40,0	2,5
5,20	60,0	72,0	60,0	0,867	69,2	1,45
5,40	66,0	79,0	66,0	1,067	61,86	1,62
5,60	55,0	71,0	55,0	1,133	48,54	2,06
5,80	50,0	67,0	50,0	1,133	44,13	2,27
6,00	56,0	73,0	56,0	1,4	40,0	2,5
6,20	75,0	96,0	75,0	1,133	66,2	1,51
6,40	68,0	85,0	68,0	1,267	53,67	1,86
6,60	60,0	79,0	60,0	1,2	50,0	2,0
6,80	66,0	84,0	66,0	1,6	41,25	2,42
7,00	94,0	118,0	94,0	1,4	67,14	1,49
7,20	60,0	81,0	60,0	1,467	40,9	2,45
7,40	55,0	77,0	55,0	0,867	63,44	1,58
7,60	52,0	65,0	52,0	1,0	52,0	1,92
7,80	51,0	66,0	51,0	1,533	33,27	3,01
8,00	89,0	112,0	89,0	1,733	51,36	1,95
8,20	89,0	115,0	89,0	2,0	44,5	2,25
8,40	91,0	121,0	91,0	1,867	48,74	2,05
8,60	99,0	127,0	99,0	1,2	82,5	1,21
8,80	73,0	91,0	73,0	1,2	60,83	1,64
9,00	66,0	84,0	66,0	0,733	90,04	1,11
9,20	79,0	90,0	79,0	1,933	40,87	2,45
9,40	70,0	99,0	70,0	1,2	58,33	1,71
9,60	65,0	83,0	65,0	1,467	44,31	2,26
9,80	63,0	85,0	63,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di ampliamento costruzione cimiteriale

CPT 15

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 07/12/2006
Profondità prova 9,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,467	0,0	
0,40	33,0	40,0	33,0	1,667	19,8	5,05
0,60	42,0	67,0	42,0	2,2	19,09	5,24
0,80	80,0	113,0	80,0	1,667	47,99	2,08
1,00	95,0	120,0	95,0	1,133	83,85	1,19
1,20	84,0	101,0	84,0	1,467	57,26	1,75
1,40	59,0	81,0	59,0	0,867	68,05	1,47
1,60	45,0	58,0	45,0	0,733	61,39	1,63
1,80	43,0	54,0	43,0	0,933	46,09	2,17
2,00	49,0	63,0	49,0	0,8	61,25	1,63
2,20	59,0	71,0	59,0	0,933	63,24	1,58
2,40	41,0	55,0	41,0	0,867	47,29	2,11
2,60	50,0	63,0	50,0	1,0	50,0	2,0
2,80	38,0	53,0	38,0	0,667	56,97	1,76
3,00	33,0	43,0	33,0	0,933	35,37	2,83
3,20	39,0	53,0	39,0	0,6	65,0	1,54
3,40	42,0	51,0	42,0	0,6	70,0	1,43
3,60	37,0	46,0	37,0	0,8	46,25	2,16
3,80	48,0	60,0	48,0	0,933	51,45	1,94
4,00	83,0	97,0	83,0	1,067	77,79	1,29
4,20	86,0	102,0	86,0	1,267	67,88	1,47
4,40	87,0	106,0	87,0	1,533	56,75	1,76
4,60	88,0	111,0	88,0	1,267	69,46	1,44
4,80	88,0	107,0	88,0	1,333	66,02	1,51
5,00	59,0	79,0	59,0	1,133	52,07	1,92
5,20	71,0	88,0	71,0	1,267	56,04	1,78
5,40	91,0	110,0	91,0	0,8	113,75	0,88
5,60	86,0	98,0	86,0	0,933	92,18	1,08
5,80	84,0	98,0	84,0	1,067	78,73	1,27
6,00	60,0	76,0	60,0	0,533	112,57	0,89
6,20	66,0	74,0	66,0	0,8	82,5	1,21
6,40	69,0	81,0	69,0	1,4	49,29	2,03
6,60	60,0	81,0	60,0	2,133	28,13	3,56
6,80	55,0	87,0	55,0	1,6	34,38	2,91
7,00	72,0	96,0	72,0	1,2	60,0	1,67
7,20	102,0	120,0	102,0	1,267	80,51	1,24
7,40	52,0	71,0	52,0	1,333	39,01	2,56
7,60	94,0	114,0	94,0	1,667	56,39	1,77
7,80	84,0	109,0	84,0	1,5	56,0	1,79
8,00	87,0	109,5	87,0	1,833	47,46	2,11
8,20	83,5	111,0	83,5	1,067	78,26	1,28
8,40	63,0	79,0	63,0	1,167	53,98	1,85
8,60	61,0	78,5	61,0	1,067	57,17	1,75
8,80	77,0	93,0	77,0	1,533	50,23	1,99
9,00	69,0	92,0	69,0	1,233	55,96	1,79
9,20	62,5	81,0	62,5	1,333	46,89	2,13
9,40	64,5	84,5	64,5	1,567	41,16	2,43
9,60	73,0	96,5	73,0	1,333	54,76	1,83
9,80	55,5	75,5	55,5	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Piano di lottizzazione "PL isolato 10"

CPT 16

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 04/09/2007
Profondità prova 7,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,333	0,0	
0,40	25,0	30,0	25,0	0,467	53,53	1,87
0,60	23,0	30,0	23,0	0,933	24,65	4,06
0,80	18,0	32,0	18,0	1,333	13,5	7,41
1,00	19,0	39,0	19,0	1,533	12,39	8,07
1,20	41,0	64,0	41,0	2,2	18,64	5,37
1,40	51,0	84,0	51,0	1,667	30,59	3,27
1,60	52,0	77,0	52,0	1,667	31,19	3,21
1,80	59,0	84,0	59,0	1,067	55,3	1,81
2,00	48,0	64,0	48,0	1,267	37,88	2,64
2,20	55,0	74,0	55,0	1,467	37,49	2,67
2,40	38,0	60,0	38,0	1,6	23,75	4,21
2,60	35,0	59,0	35,0	2,067	16,93	5,91
2,80	83,0	114,0	83,0	2,667	31,12	3,21
3,00	85,0	125,0	85,0	1,8	47,22	2,12
3,20	67,0	94,0	67,0	1,667	40,19	2,49
3,40	45,0	70,0	45,0	1,067	42,17	2,37
3,60	47,0	63,0	47,0	1,4	33,57	2,98
3,80	63,0	84,0	63,0	1,867	33,74	2,96
4,00	41,0	69,0	41,0	0,867	47,29	2,11
4,20	33,0	46,0	33,0	0,867	38,06	2,63
4,40	35,0	48,0	35,0	0,8	43,75	2,29
4,60	60,0	72,0	60,0	1,267	47,36	2,11
4,80	65,0	84,0	65,0	1,067	60,92	1,64
5,00	46,0	62,0	46,0	1,133	40,6	2,46
5,20	59,0	76,0	59,0	1,467	40,22	2,49
5,40	74,0	96,0	74,0	1,467	50,44	1,98
5,60	70,0	92,0	70,0	2,467	28,37	3,52
5,80	49,0	86,0	49,0	1,267	38,67	2,59
6,00	59,0	78,0	59,0	1,333	44,26	2,26
6,20	79,0	99,0	79,0	1,267	62,35	1,6
6,40	74,0	93,0	74,0	1,733	42,7	2,34
6,60	70,0	96,0	70,0	2,6	26,92	3,71
6,80	58,0	97,0	58,0	1,533	37,83	2,64
7,00	61,0	84,0	61,0	1,8	33,89	2,95
7,20	89,0	116,0	89,0	1,333	66,77	1,5
7,40	77,0	97,0	77,0	1,933	39,83	2,51
7,60	96,0	125,0	96,0	2,267	42,35	2,36
7,80	108,0	142,0	108,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Piano di lottizzazione "PL isolato 10"

CPT 17

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 04/09/2007
Profondità prova 7,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,133	0,0	
0,40	15,0	17,0	15,0	0,267	56,18	1,78
0,60	16,0	20,0	16,0	0,267	59,93	1,67
0,80	10,0	14,0	10,0	0,133	75,19	1,33
1,00	24,0	26,0	24,0	0,733	32,74	3,05
1,20	31,0	42,0	31,0	1,667	18,6	5,38
1,40	38,0	63,0	38,0	1,4	27,14	3,68
1,60	64,0	85,0	64,0	0,933	68,6	1,46
1,80	71,0	85,0	71,0	1,333	53,26	1,88
2,00	71,0	91,0	71,0	0,667	106,45	0,94
2,20	77,0	87,0	77,0	1,4	55,0	1,82
2,40	34,0	55,0	34,0	1,667	20,4	4,9
2,60	35,0	60,0	35,0	1,933	18,11	5,52
2,80	78,0	107,0	78,0	1,4	55,71	1,79
3,00	92,0	113,0	92,0	1,467	62,71	1,59
3,20	67,0	89,0	67,0	0,867	77,28	1,29
3,40	66,0	79,0	66,0	0,867	76,12	1,31
3,60	56,0	69,0	56,0	1,2	46,67	2,14
3,80	46,0	64,0	46,0	1,133	40,6	2,46
4,00	54,0	71,0	54,0	0,8	67,5	1,48
4,20	81,0	93,0	81,0	0,933	86,82	1,15
4,40	57,0	71,0	57,0	0,867	65,74	1,52
4,60	69,0	82,0	69,0	1,267	54,46	1,84
4,80	71,0	90,0	71,0	1,067	66,54	1,5
5,00	52,0	68,0	52,0	0,533	97,56	1,03
5,20	65,0	73,0	65,0	0,867	74,97	1,33
5,40	49,0	62,0	49,0	0,933	52,52	1,9
5,60	59,0	73,0	59,0	1,067	55,3	1,81
5,80	59,0	75,0	59,0	0,733	80,49	1,24
6,00	59,0	70,0	59,0	0,933	63,24	1,58
6,20	59,0	73,0	59,0	0,933	63,24	1,58
6,40	59,0	73,0	59,0	0,867	68,05	1,47
6,60	84,0	97,0	84,0	1,333	63,02	1,59
6,80	87,0	107,0	87,0	3,867	22,5	4,44
7,00	91,0	149,0	91,0	2,867	31,74	3,15
7,20	70,0	113,0	70,0	0,867	80,74	1,24
7,40	81,0	94,0	81,0	1,733	46,74	2,14
7,60	62,0	88,0	62,0	2,067	30,0	3,33
7,80	64,0	95,0	64,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Piano di lottizzazione "PL isolato 10"

CPT 18

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 04/09/2007
Profondità prova 7,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,133	0,0	
0,40	23,0	25,0	23,0	0,667	34,48	2,9
0,60	12,0	22,0	12,0	0,133	90,23	1,11
0,80	24,0	26,0	24,0	0,333	72,07	1,39
1,00	38,0	43,0	38,0	0,4	95,0	1,05
1,20	44,0	50,0	44,0	1,667	26,39	3,79
1,40	25,0	50,0	25,0	1,867	13,39	7,47
1,60	41,0	69,0	41,0	1,133	36,19	2,76
1,80	49,0	66,0	49,0	1,267	38,67	2,59
2,00	49,0	68,0	49,0	0,133	368,42	0,27
2,20	39,0	41,0	39,0	0,267	146,07	0,68
2,40	38,0	42,0	38,0	0,333	114,11	0,88
2,60	45,0	50,0	45,0	1,067	42,17	2,37
2,80	56,0	72,0	56,0	1,6	35,0	2,86
3,00	30,0	54,0	30,0	0,733	40,93	2,44
3,20	31,0	42,0	31,0	0,467	66,38	1,51
3,40	39,0	46,0	39,0	3,6	10,83	9,23
3,60	39,0	93,0	39,0	0,333	117,12	0,85
3,80	88,0	93,0	88,0	1,867	47,13	2,12
4,00	61,0	89,0	61,0	1,867	32,67	3,06
4,20	65,0	93,0	65,0	1,6	40,63	2,46
4,40	78,0	102,0	78,0	1,467	53,17	1,88
4,60	78,0	100,0	78,0	2,4	32,5	3,08
4,80	83,0	119,0	83,0	1,2	69,17	1,45
5,00	85,0	103,0	85,0	2,4	35,42	2,82
5,20	103,0	139,0	103,0	1,667	61,79	1,62
5,40	98,0	123,0	98,0	1,533	63,93	1,56
5,60	107,0	130,0	107,0	2,267	47,2	2,12
5,80	96,0	130,0	96,0	2,4	40,0	2,5
6,00	61,0	97,0	61,0	1,333	45,76	2,19
6,20	55,0	75,0	55,0	2,333	23,57	4,24
6,40	51,0	86,0	51,0	1,533	33,27	3,01
6,60	69,0	92,0	69,0	2,733	25,25	3,96
6,80	87,0	128,0	87,0	1,0	87,0	1,15
7,00	96,0	111,0	96,0	1,6	60,0	1,67
7,20	62,0	86,0	62,0	1,467	42,26	2,37
7,40	64,0	86,0	64,0	0,533	120,08	0,83
7,60	55,0	63,0	55,0	1,667	32,99	3,03
7,80	78,0	103,0	78,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di costruzione di 2 villette e quattro appartamenti in villa

CPT 19

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 13/12/2006
Profondità prova 5,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,133	0,0	
0,40	20,0	22,0	20,0	0,533	37,52	2,67
0,60	18,0	26,0	18,0	1,067	16,87	5,93
0,80	33,0	49,0	33,0	-0,067	-492,54	-0,2
1,00	35,0	34,0	35,0	1,467	23,86	4,19
1,20	27,0	49,0	27,0	1,933	13,97	7,16
1,40	34,0	63,0	34,0	1,6	21,25	4,71
1,60	34,0	58,0	34,0	2,267	15,0	6,67
1,80	37,0	71,0	37,0	1,2	30,83	3,24
2,00	32,0	50,0	32,0	1,467	21,81	4,58
2,20	24,0	46,0	24,0	1,333	18,0	5,55
2,40	20,0	40,0	20,0	1,267	15,79	6,34
2,60	14,0	33,0	14,0	1,067	13,12	7,62
2,80	27,0	43,0	27,0	1,067	25,3	3,95
3,00	46,0	62,0	46,0	1,067	43,11	2,32
3,20	46,0	62,0	46,0	1,2	38,33	2,61
3,40	54,0	72,0	54,0	1,0	54,0	1,85
3,60	64,0	79,0	64,0	0,933	68,6	1,46
3,80	55,0	69,0	55,0	0,8	68,75	1,45
4,00	49,0	61,0	49,0	1,067	45,92	2,18
4,20	48,0	64,0	48,0	1,067	44,99	2,22
4,40	47,0	63,0	47,0	0,867	54,21	1,84
4,60	35,0	48,0	35,0	0,8	43,75	2,29
4,80	37,0	49,0	37,0	0,667	55,47	1,8
5,00	35,0	45,0	35,0	1,133	30,89	3,24
5,20	29,0	46,0	29,0	1,133	25,6	3,91
5,40	50,0	67,0	50,0	0,6	83,33	1,2
5,60	61,0	70,0	61,0	0,867	70,36	1,42
5,80	60,0	73,0	60,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di costruzione di 2 villette e quattro appartamenti in villa

CPT 20

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 13/12/2006
Profondità prova 5,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,133	0,0	
0,40	36,0	38,0	36,0	1,067	33,74	2,96
0,60	20,0	36,0	20,0	1,6	12,5	8,0
0,80	44,0	68,0	44,0	-1,733	-25,39	-3,94
1,00	37,0	11,0	37,0	2,0	18,5	5,41
1,20	26,0	56,0	26,0	1,6	16,25	6,15
1,40	29,0	53,0	29,0	1,333	21,76	4,6
1,60	36,0	56,0	36,0	2,867	12,56	7,96
1,80	45,0	88,0	45,0	1,533	29,35	3,41
2,00	33,0	56,0	33,0	1,667	19,8	5,05
2,20	21,0	46,0	21,0	0,933	22,51	4,44
2,40	19,0	33,0	19,0	1,267	15,0	6,67
2,60	11,0	30,0	11,0	1,133	9,71	10,3
2,80	24,0	41,0	24,0	0,867	27,68	3,61
3,00	38,0	51,0	38,0	1,067	35,61	2,81
3,20	41,0	57,0	41,0	0,8	51,25	1,95
3,40	51,0	63,0	51,0	1,6	31,88	3,14
3,60	47,0	71,0	47,0	0,4	117,5	0,85
3,80	54,0	60,0	54,0	1,133	47,66	2,1
4,00	46,0	63,0	46,0	0,733	62,76	1,59
4,20	52,0	63,0	52,0	1,267	41,04	2,44
4,40	47,0	66,0	47,0	0,6	78,33	1,28
4,60	37,0	46,0	37,0	0,8	46,25	2,16
4,80	43,0	55,0	43,0	0,533	80,68	1,24
5,00	32,0	40,0	32,0	0,867	36,91	2,71
5,20	14,0	27,0	14,0	1,067	13,12	7,62
5,40	33,0	49,0	33,0	0,533	61,91	1,62
5,60	54,0	62,0	54,0	0,8	67,5	1,48
5,80	48,0	60,0	48,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di costruzione di 2 villette e quattro appartamenti in villa

CPT 21

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 13/12/2006
Profondità prova 5,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,133	0,0	
0,40	12,0	14,0	12,0	0,333	36,04	2,78
0,60	17,0	22,0	17,0	0,933	18,22	5,49
0,80	30,0	44,0	30,0	0,6	50,0	2,0
1,00	36,0	45,0	36,0	1,867	19,28	5,19
1,20	32,0	60,0	32,0	2,2	14,55	6,88
1,40	39,0	72,0	39,0	2,2	17,73	5,64
1,60	28,0	61,0	28,0	2,0	14,0	7,14
1,80	35,0	65,0	35,0	1,067	32,8	3,05
2,00	31,0	47,0	31,0	1,467	21,13	4,73
2,20	21,0	43,0	21,0	1,733	12,12	8,25
2,40	17,0	43,0	17,0	1,0	17,0	5,88
2,60	17,0	32,0	17,0	0,4	42,5	2,35
2,80	35,0	41,0	35,0	1,067	32,8	3,05
3,00	51,0	67,0	51,0	1,267	40,25	2,48
3,20	42,0	61,0	42,0	1,333	31,51	3,17
3,40	64,0	84,0	64,0	0,867	73,82	1,35
3,60	80,0	93,0	80,0	1,2	66,67	1,5
3,80	67,0	85,0	67,0	0,533	125,7	0,8
4,00	52,0	60,0	52,0	1,2	43,33	2,31
4,20	40,0	58,0	40,0	0,733	54,57	1,83
4,40	40,0	51,0	40,0	1,133	35,3	2,83
4,60	33,0	50,0	33,0	1,067	30,93	3,23
4,80	34,0	50,0	34,0	0,733	46,38	2,16
5,00	38,0	49,0	38,0	1,0	38,0	2,63
5,20	36,0	51,0	36,0	1,2	30,0	3,33
5,40	48,0	66,0	48,0	0,6	80,0	1,25
5,60	51,0	60,0	51,0	0,933	54,66	1,83
5,80	70,0	84,0	70,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di costruzione di 2 villette e quattro appartamenti in villa

CPT 22

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 13/12/2006
Profondità prova 5,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,133	0,0	
0,40	13,0	15,0	13,0	0,2	65,0	1,54
0,60	17,0	20,0	17,0	0,6	28,33	3,53
0,80	25,0	34,0	25,0	0,933	26,8	3,73
1,00	31,0	45,0	31,0	0,467	66,38	1,51
1,20	24,0	31,0	24,0	2,067	11,61	8,61
1,40	33,0	64,0	33,0	1,2	27,5	3,64
1,60	38,0	56,0	38,0	2,0	19,0	5,26
1,80	30,0	60,0	30,0	1,0	30,0	3,33
2,00	33,0	48,0	33,0	1,4	23,57	4,24
2,20	29,0	50,0	29,0	1,267	22,89	4,37
2,40	25,0	44,0	25,0	1,6	15,63	6,4
2,60	14,0	38,0	14,0	1,667	8,4	11,91
2,80	23,0	48,0	23,0	1,2	19,17	5,22
3,00	49,0	67,0	49,0	0,867	56,52	1,77
3,20	54,0	67,0	54,0	1,333	40,51	2,47
3,40	48,0	68,0	48,0	0,533	90,06	1,11
3,60	66,0	74,0	66,0	1,267	52,09	1,92
3,80	43,0	62,0	43,0	0,733	58,66	1,7
4,00	49,0	60,0	49,0	1,2	40,83	2,45
4,20	52,0	70,0	52,0	1,133	45,9	2,18
4,40	55,0	72,0	55,0	0,8	68,75	1,45
4,60	35,0	47,0	35,0	0,533	65,67	1,52
4,80	35,0	43,0	35,0	0,733	47,75	2,09
5,00	36,0	47,0	36,0	1,4	25,71	3,89
5,20	38,0	59,0	38,0	1,2	31,67	3,16
5,40	69,0	87,0	69,0	0,733	94,13	1,06
5,60	77,0	88,0	77,0	0,867	88,81	1,13
5,80	63,0	76,0	63,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Lottizzazione in via XXV Aprile – “Il Borgo di Sigerico”

CPT 23

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 17/03/2006
Profondità prova 12,00 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,533	0,0	
0,40	12,0	20,0	12,0	0,6	20,0	5,0
0,60	11,0	20,0	11,0	0,667	16,49	6,06
0,80	11,0	21,0	11,0	0,8	13,75	7,27
1,00	16,0	28,0	16,0	0,867	18,45	5,42
1,20	18,0	31,0	18,0	1,0	18,0	5,56
1,40	22,0	37,0	22,0	1,0	22,0	4,55
1,60	24,0	39,0	24,0	1,267	18,94	5,28
1,80	22,0	41,0	22,0	0,867	25,37	3,94
2,00	24,0	37,0	24,0	1,0	24,0	4,17
2,20	29,0	44,0	29,0	0,867	33,45	2,99
2,40	29,0	42,0	29,0	0,933	31,08	3,22
2,60	23,0	37,0	23,0	0,667	34,48	2,9
2,80	21,0	31,0	21,0	1,0	21,0	4,76
3,00	33,0	48,0	33,0	0,8	41,25	2,42
3,20	29,0	41,0	29,0	1,6	18,13	5,52
3,40	54,0	78,0	54,0	0,933	57,88	1,73
3,60	41,0	55,0	41,0	1,133	36,19	2,76
3,80	53,0	70,0	53,0	1,533	34,57	2,89
4,00	65,0	88,0	65,0	1,733	37,51	2,67
4,20	62,0	88,0	62,0	1,467	42,26	2,37
4,40	80,0	102,0	80,0	1,2	66,67	1,5
4,60	94,0	112,0	94,0	1,533	61,32	1,63
4,80	96,0	119,0	96,0	2,533	37,9	2,64
5,00	98,0	136,0	98,0	2,733	35,86	2,79
5,20	69,0	110,0	69,0	0,933	73,95	1,35
5,40	79,0	93,0	79,0	2,933	26,93	3,71
5,60	73,0	117,0	73,0	1,267	57,62	1,74
5,80	91,0	110,0	91,0	1,533	59,36	1,68
6,00	99,0	122,0	99,0	2,067	47,9	2,09
6,20	87,0	118,0	87,0	1,533	56,75	1,76
6,40	88,0	111,0	88,0	1,733	50,78	1,97
6,60	66,0	92,0	66,0	1,8	36,67	2,73
6,80	80,0	107,0	80,0	2,0	40,0	2,5
7,00	67,0	97,0	67,0	0,267	250,94	0,4
7,20	98,0	102,0	98,0	2,267	43,23	2,31
7,40	74,0	108,0	74,0	0,733	100,95	0,99
7,60	93,0	104,0	93,0	0,8	116,25	0,86
7,80	87,0	99,0	87,0	1,5	58,0	1,72
8,00	91,5	114,0	91,5	1,633	56,03	1,78
8,20	80,5	105,0	80,5	1,74	46,26	2,16
8,40	81,0	107,1	81,0	1,608	50,37	1,99
8,60	83,38	107,5	83,38	1,12	74,45	1,34
8,80	65,0	81,8	65,0	1,273	51,06	1,96
9,00	70,5	89,6	70,5	1,067	66,07	1,51
9,20	81,0	97,0	81,0	1,853	43,71	2,29
9,40	75,0	102,8	75,0	1,375	54,55	1,83
9,60	72,88	93,5	72,88	1,368	53,27	1,88
9,80	65,88	86,4	65,88	1,457	45,22	2,21
10,00	60,75	82,6	60,75	1,151	52,78	1,89
10,20	59,13	76,4	59,13	1,211	48,83	2,05
10,40	60,63	78,8	60,63	1,367	44,35	2,25
10,60	64,0	84,5	64,0	1,408	45,45	2,2
10,80	58,38	79,5	58,38	1,287	45,36	2,2
11,00	73,5	92,8	73,5	1,12	65,63	1,52
11,20	59,5	76,3	59,5	1,257	47,33	2,11
11,40	52,75	71,6	52,75	1,411	37,38	2,67
11,60	85,13	106,3	85,13	1,267	67,19	1,49
11,80	63,0	82,0	63,0	1,061	59,38	1,68
12,00	72,38	88,3	72,38	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Lottizzazione in via XXV Aprile – “Il Borgo di Sigerico”

CPT 24

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 17/03/2006
Profondità prova 12,00 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,667	0,0	
0,40	12,0	22,0	12,0	0,867	13,84	7,23
0,60	21,0	34,0	21,0	0,133	157,89	0,63
0,80	21,0	23,0	21,0	1,2	17,5	5,71
1,00	37,0	55,0	37,0	1,067	34,68	2,88
1,20	35,0	51,0	35,0	1,4	25,0	4,0
1,40	16,0	37,0	16,0	1,2	13,33	7,5
1,60	17,0	35,0	17,0	0,933	18,22	5,49
1,80	16,0	30,0	16,0	0,867	18,45	5,42
2,00	15,0	28,0	15,0	0,533	28,14	3,55
2,20	23,0	31,0	23,0	0,4	57,5	1,74
2,40	24,0	30,0	24,0	0,733	32,74	3,05
2,60	26,0	37,0	26,0	0,867	29,99	3,33
2,80	20,0	33,0	20,0	0,8	25,0	4,0
3,00	24,0	36,0	24,0	0,533	45,03	2,22
3,20	43,0	51,0	43,0	1,533	28,05	3,57
3,40	45,0	68,0	45,0	0,733	61,39	1,63
3,60	49,0	60,0	49,0	1,2	40,83	2,45
3,80	51,0	69,0	51,0	1,2	42,5	2,35
4,00	42,0	60,0	42,0	0,867	48,44	2,06
4,20	36,0	49,0	36,0	0,867	41,52	2,41
4,40	34,0	47,0	34,0	1,267	26,84	3,73
4,60	39,0	58,0	39,0	1,067	36,55	2,74
4,80	40,0	56,0	40,0	0,867	46,14	2,17
5,00	69,0	82,0	69,0	1,4	49,29	2,03
5,20	44,0	65,0	44,0	0,933	47,16	2,12
5,40	45,0	59,0	45,0	0,533	84,43	1,18
5,60	56,0	64,0	56,0	1,333	42,01	2,38
5,80	64,0	84,0	64,0	1,533	41,75	2,4
6,00	51,0	74,0	51,0	1,133	45,01	2,22
6,20	52,0	69,0	52,0	0,733	70,94	1,41
6,40	59,0	70,0	59,0	1,4	42,14	2,37
6,60	67,0	88,0	67,0	1,4	47,86	2,09
6,80	59,0	80,0	59,0	1,0	59,0	1,69
7,00	80,0	95,0	80,0	0,8	100,0	1,0
7,20	58,0	70,0	58,0	1,133	51,19	1,95
7,40	44,0	61,0	44,0	1,133	38,83	2,58
7,60	91,0	108,0	91,0	1,067	85,29	1,17
7,80	64,0	80,0	64,0	1,467	43,63	2,29
8,00	94,0	116,0	94,0	1,533	61,32	1,63
8,20	72,0	95,0	72,0	1,487	48,42	2,07
8,40	71,0	93,3	71,0	1,347	52,71	1,9
8,60	67,8	88,0	67,8	1,033	65,63	1,52
8,80	57,0	72,5	57,0	1,353	42,13	2,37
9,00	75,0	95,3	75,0	1,4	53,57	1,87
9,20	83,0	104,0	83,0	1,767	46,97	2,13
9,40	80,0	106,5	80,0	1,547	51,71	1,93
9,60	80,8	104,0	80,8	1,267	63,77	1,57
9,80	68,8	87,8	68,8	1,387	49,6	2,02
10,00	69,5	90,3	69,5	1,033	67,28	1,49
10,20	67,3	82,8	67,3	1,547	43,5	2,3
10,40	63,3	86,5	63,3	1,2	52,75	1,9
10,60	62,0	80,0	62,0	1,347	46,03	2,17
10,80	58,8	79,0	58,8	1,433	41,03	2,44
11,00	68,0	89,5	68,0	1,3	52,31	1,91
11,20	62,0	81,5	62,0	1,253	49,48	2,02
11,40	62,5	81,3	62,5	1,547	40,4	2,48
11,60	80,3	103,5	80,3	1,333	60,24	1,66
11,80	63,0	83,0	63,0	1,113	56,6	1,77
12,00	73,8	90,5	73,8	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Lottizzazione in via XXV Aprile – “Il Borgo di Sigerico”

CPT 25

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 17/03/2006
Profondità prova 12,00 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,467	0,0	
0,40	21,0	28,0	21,0	0,667	31,48	3,18
0,60	9,0	19,0	9,0	0,533	16,89	5,92
0,80	18,0	26,0	18,0	0,467	38,54	2,59
1,00	31,0	38,0	31,0	0,133	233,08	0,43
1,20	49,0	51,0	49,0	1,267	38,67	2,59
1,40	41,0	60,0	41,0	0,867	47,29	2,11
1,60	41,0	54,0	41,0	1,2	34,17	2,93
1,80	41,0	59,0	41,0	0,8	51,25	1,95
2,00	38,0	50,0	38,0	1,067	35,61	2,81
2,20	16,0	32,0	16,0	1,067	15,0	6,67
2,40	12,0	28,0	12,0	0,6	20,0	5,0
2,60	23,0	32,0	23,0	0,733	31,38	3,19
2,80	27,0	38,0	27,0	1,533	17,61	5,68
3,00	31,0	54,0	31,0	1,4	22,14	4,52
3,20	53,0	74,0	53,0	1,467	36,13	2,77
3,40	50,0	72,0	50,0	1,467	34,08	2,93
3,60	28,0	50,0	28,0	1,133	24,71	4,05
3,80	64,0	81,0	64,0	1,6	40,0	2,5
4,00	59,0	83,0	59,0	0,867	68,05	1,47
4,20	67,0	80,0	67,0	1,733	38,66	2,59
4,40	61,0	87,0	61,0	1,133	53,84	1,86
4,60	56,0	73,0	56,0	1,0	56,0	1,79
4,80	49,0	64,0	49,0	1,2	40,83	2,45
5,00	41,0	59,0	41,0	1,0	41,0	2,44
5,20	37,0	52,0	37,0	0,867	42,68	2,34
5,40	42,0	55,0	42,0	0,8	52,5	1,9
5,60	46,0	58,0	46,0	1,067	43,11	2,32
5,80	46,0	62,0	46,0	1,067	43,11	2,32
6,00	60,0	76,0	60,0	0,533	112,57	0,89
6,20	66,0	74,0	66,0	0,8	82,5	1,21
6,40	69,0	81,0	69,0	1,4	49,29	2,03
6,60	60,0	81,0	60,0	2,133	28,13	3,56
6,80	55,0	87,0	55,0	1,6	34,38	2,91
7,00	72,0	96,0	72,0	1,2	60,0	1,67
7,20	102,0	120,0	102,0	1,267	80,51	1,24
7,40	52,0	71,0	52,0	1,333	39,01	2,56
7,60	94,0	114,0	94,0	1,667	56,39	1,77
7,80	84,0	109,0	84,0	1,5	56,0	1,79
8,00	87,0	109,5	87,0	1,833	47,46	2,11
8,20	83,5	111,0	83,5	1,067	78,26	1,28
8,40	63,0	79,0	63,0	1,167	53,98	1,85
8,60	61,0	78,5	61,0	1,067	57,17	1,75
8,80	77,0	93,0	77,0	1,533	50,23	1,99
9,00	69,0	92,0	69,0	1,233	55,96	1,79
9,20	62,5	81,0	62,5	1,333	46,89	2,13
9,40	64,5	84,5	64,5	1,567	41,16	2,43
9,60	73,0	96,5	73,0	1,333	54,76	1,83
9,80	55,5	75,5	55,5	1,167	47,56	2,1
10,00	56,5	74,0	56,5	1,2	47,08	2,12
10,20	59,0	77,0	59,0	1,233	47,85	2,09
10,40	54,5	73,0	54,5	1,333	40,89	2,45
10,60	84,0	104,0	84,0	1,333	63,02	1,59
10,80	73,0	93,0	73,0	1,633	44,7	2,24
11,00	67,0	91,5	67,0	1,567	42,76	2,34
11,20	94,5	118,0	94,5	1,2	78,75	1,27
11,40	68,0	86,0	68,0	1,1	61,82	1,62
11,60	68,5	85,0	68,5	0,367	186,65	0,54
11,80	39,5	45,0	39,5	0,967	40,85	2,45
12,00	35,0	49,5	35,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Lottizzazione in via XXV Aprile – “Il Borgo di Sigerico”

CPT 26

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 17/03/2006
Profondità prova 12,00 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,333	0,0	
0,40	8,0	13,0	8,0	0,333	24,02	4,16
0,60	12,0	17,0	12,0	0,4	30,0	3,33
0,80	16,0	22,0	16,0	1,333	12,0	8,33
1,00	20,0	40,0	20,0	1,2	16,67	6,0
1,20	21,0	39,0	21,0	1,4	15,0	6,67
1,40	25,0	46,0	25,0	1,067	23,43	4,27
1,60	25,0	41,0	25,0	1,133	22,07	4,53
1,80	28,0	45,0	28,0	1,133	24,71	4,05
2,00	27,0	44,0	27,0	1,067	25,3	3,95
2,20	29,0	45,0	29,0	0,8	36,25	2,76
2,40	28,0	40,0	28,0	0,667	41,98	2,38
2,60	23,0	33,0	23,0	0,467	49,25	2,03
2,80	80,0	87,0	80,0	1,467	54,53	1,83
3,00	45,0	67,0	45,0	1,133	39,72	2,52
3,20	51,0	68,0	51,0	1,333	38,26	2,61
3,40	48,0	68,0	48,0	1,133	42,37	2,36
3,60	44,0	61,0	44,0	0,933	47,16	2,12
3,80	38,0	52,0	38,0	0,933	40,73	2,46
4,00	32,0	46,0	32,0	0,733	43,66	2,29
4,20	37,0	48,0	37,0	0,867	42,68	2,34
4,40	48,0	61,0	48,0	1,0	48,0	2,08
4,60	55,0	70,0	55,0	0,933	58,95	1,7
4,80	56,0	70,0	56,0	1,133	49,43	2,02
5,00	99,0	116,0	99,0	1,6	61,88	1,62
5,20	79,0	103,0	79,0	1,0	79,0	1,27
5,40	83,0	98,0	83,0	1,8	46,11	2,17
5,60	68,0	95,0	68,0	0,933	72,88	1,37
5,80	53,0	67,0	53,0	1,133	46,78	2,14
6,00	56,0	73,0	56,0	1,4	40,0	2,5
6,20	75,0	96,0	75,0	1,133	66,2	1,51
6,40	68,0	85,0	68,0	1,267	53,67	1,86
6,60	60,0	79,0	60,0	1,2	50,0	2,0
6,80	66,0	84,0	66,0	1,6	41,25	2,42
7,00	94,0	118,0	94,0	1,4	67,14	1,49
7,20	60,0	81,0	60,0	1,467	40,9	2,45
7,40	55,0	77,0	55,0	0,867	63,44	1,58
7,60	52,0	65,0	52,0	1,0	52,0	1,92
7,80	51,0	66,0	51,0	1,533	33,27	3,01
8,00	89,0	112,0	89,0	1,733	51,36	1,95
8,20	89,0	115,0	89,0	2,0	44,5	2,25
8,40	91,0	121,0	91,0	1,867	48,74	2,05
8,60	99,0	127,0	99,0	1,2	82,5	1,21
8,80	73,0	91,0	73,0	1,2	60,83	1,64
9,00	66,0	84,0	66,0	0,733	90,04	1,11
9,20	79,0	90,0	79,0	1,933	40,87	2,45
9,40	70,0	99,0	70,0	1,2	58,33	1,71
9,60	65,0	83,0	65,0	1,467	44,31	2,26
9,80	63,0	85,0	63,0	1,533	41,1	2,43
10,00	52,0	75,0	52,0	1,267	41,04	2,44
10,20	51,0	70,0	51,0	0,867	58,82	1,7
10,40	58,0	71,0	58,0	1,533	37,83	2,64
10,60	66,0	89,0	66,0	1,467	44,99	2,22
10,80	58,0	80,0	58,0	1,133	51,19	1,95
11,00	79,0	96,0	79,0	0,933	84,67	1,18
11,20	57,0	71,0	57,0	1,267	44,99	2,22
11,40	43,0	62,0	43,0	1,267	33,94	2,95
11,60	90,0	109,0	90,0	1,2	75,0	1,33
11,80	63,0	81,0	63,0	1,0	63,0	1,59
12,00	71,0	86,0	71,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Lottizzazione in via XXV Aprile – “Il Borgo di Sigerico”

CPT 27

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 24/03/2006
Profondità prova 12,00 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,2	0,0	
0,40	9,0	12,0	9,0	0,6	15,0	6,67
0,60	10,0	19,0	10,0	0,6	16,67	6,0
0,80	31,0	40,0	31,0	0,8	38,75	2,58
1,00	36,0	48,0	36,0	0,667	53,97	1,85
1,20	36,0	46,0	36,0	0,6	60,0	1,67
1,40	36,0	45,0	36,0	0,6	60,0	1,67
1,60	30,0	39,0	30,0	0,667	44,98	2,22
1,80	34,0	44,0	34,0	0,8	42,5	2,35
2,00	58,0	70,0	58,0	0,8	72,5	1,38
2,20	58,0	70,0	58,0	0,8	72,5	1,38
2,40	24,0	36,0	24,0	1,067	22,49	4,45
2,60	89,0	105,0	89,0	1,867	47,67	2,1
2,80	92,0	120,0	92,0	2,133	43,13	2,32
3,00	120,0	152,0	120,0	2,733	43,91	2,28
3,20	89,0	130,0	89,0	0,4	222,5	0,45
3,40	97,0	103,0	97,0	1,267	76,56	1,31
3,60	96,0	115,0	96,0	1,667	57,59	1,74
3,80	83,0	108,0	83,0	0,933	88,96	1,12
4,00	93,0	107,0	93,0	1,733	53,66	1,86
4,20	76,0	102,0	76,0	1,533	49,58	2,02
4,40	96,0	119,0	96,0	1,533	62,62	1,6
4,60	92,0	115,0	92,0	1,467	62,71	1,59
4,80	74,0	96,0	74,0	0,933	79,31	1,26
5,00	78,0	92,0	78,0	1,267	61,56	1,62
5,20	61,0	80,0	61,0	1,267	48,15	2,08
5,40	71,0	90,0	71,0	1,2	59,17	1,69
5,60	81,0	99,0	81,0	1,933	41,9	2,39
5,80	80,0	109,0	80,0	2,2	36,36	2,75
6,00	74,0	107,0	74,0	1,933	38,28	2,61
6,20	94,0	123,0	94,0	1,533	61,32	1,63
6,40	102,0	125,0	102,0	0,4	255,0	0,39
6,60	121,0	127,0	121,0	1,267	95,5	1,05
6,80	89,0	108,0	89,0	0,4	222,5	0,45
7,00	138,0	144,0	138,0	2,0	69,0	1,45
7,20	157,0	187,0	157,0	1,8	87,22	1,15
7,40	128,0	155,0	128,0	0,733	174,62	0,57
7,60	120,0	131,0	120,0	0,733	163,71	0,61
7,80	140,0	151,0	140,0	2,2	63,64	1,57
8,00	151,0	184,0	151,0	2,6	58,08	1,72
8,20	150,0	189,0	150,0	1,6	93,75	1,07
8,40	130,0	154,0	130,0	1,933	67,25	1,49
8,60	132,0	161,0	132,0	2,333	56,58	1,77
8,80	154,0	189,0	154,0	1,467	104,98	0,95
9,00	92,0	114,0	92,0	1,667	55,19	1,81
9,20	81,0	106,0	81,0	1,6	50,63	1,98
9,40	83,0	107,0	83,0	1,6	51,88	1,93
9,60	84,0	108,0	84,0	1,133	74,14	1,35
9,80	64,0	81,0	64,0	1,267	50,51	1,98
10,00	68,0	87,0	68,0	1,067	63,73	1,57
10,20	80,0	96,0	80,0	1,8	44,44	2,25
10,40	73,0	100,0	73,0	1,333	54,76	1,83
10,60	70,0	90,0	70,0	1,4	50,0	2,0
10,80	65,0	86,0	65,0	1,467	44,31	2,26
11,00	64,0	86,0	64,0	1,2	53,33	1,88
11,20	58,0	76,0	58,0	1,2	48,33	2,07
11,40	60,0	78,0	60,0	1,267	47,36	2,11
11,60	63,0	82,0	63,0	1,4	45,0	2,22
11,80	57,0	78,0	57,0	1,333	42,76	2,34
12,00	76,0	96,0	76,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Lottizzazione in via XXV Aprile – “Il Borgo di Sigerico”

CPT 28

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 24/03/2006
Profondità prova 6,00 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	-0,467	0,0	
0,40	15,0	8,0	15,0	0,533	28,14	3,55
0,60	8,0	16,0	8,0	0,4	20,0	5,0
0,80	10,0	16,0	10,0	0,467	21,41	4,67
1,00	28,0	35,0	28,0	1,2	23,33	4,29
1,20	26,0	44,0	26,0	1,267	20,52	4,87
1,40	36,0	55,0	36,0	0,667	53,97	1,85
1,60	46,0	56,0	46,0	1,333	34,51	2,9
1,80	36,0	56,0	36,0	1,4	25,71	3,89
2,00	34,0	55,0	34,0	1,0	34,0	2,94
2,20	33,0	48,0	33,0	0,8	41,25	2,42
2,40	52,0	64,0	52,0	1,0	52,0	1,92
2,60	49,0	64,0	49,0	1,4	35,0	2,86
2,80	56,0	77,0	56,0	1,2	46,67	2,14
3,00	42,0	60,0	42,0	1,067	39,36	2,54
3,20	43,0	59,0	43,0	0,8	53,75	1,86
3,40	34,0	46,0	34,0	0,6	56,67	1,76
3,60	31,0	40,0	31,0	0,933	33,23	3,01
3,80	38,0	52,0	38,0	0,467	81,37	1,23
4,00	33,0	40,0	33,0	0,867	38,06	2,63
4,20	16,0	29,0	16,0	0,667	23,99	4,17
4,40	30,0	40,0	30,0	0,467	64,24	1,56
4,60	39,0	46,0	39,0	1,933	20,18	4,96
4,80	44,0	73,0	44,0	0,933	47,16	2,12
5,00	55,0	69,0	55,0	1,6	34,38	2,91
5,20	58,0	82,0	58,0	1,267	45,78	2,18
5,40	57,0	76,0	57,0	1,2	47,5	2,11
5,60	61,0	79,0	61,0	0,4	152,5	0,66

COMUNE DI CHIGNOLO PO (PV)
Lottizzazione in via XXV Aprile – “Il Borgo di Sigerico”

CPT 29

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 24/03/2006
Profondità prova 6,00 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	1,0	0,0	
0,40	5,0	20,0	5,0	0,4	12,5	8,0
0,60	13,0	19,0	13,0	0,333	39,04	2,56
0,80	18,0	23,0	18,0	0,2	90,0	1,11
1,00	48,0	51,0	48,0	1,8	26,67	3,75
1,20	23,0	50,0	23,0	0,933	24,65	4,06
1,40	29,0	43,0	29,0	0,867	33,45	2,99
1,60	33,0	46,0	33,0	1,267	26,05	3,84
1,80	33,0	52,0	33,0	1,6	20,63	4,85
2,00	85,0	109,0	85,0	2,867	29,65	3,37
2,20	125,0	168,0	125,0	1,267	98,66	1,01
2,40	172,0	191,0	172,0	3,6	47,78	2,09
2,60	94,0	148,0	94,0	7,0	13,43	7,45
2,80	136,0	241,0	136,0	2,267	59,99	1,67
3,00	131,0	165,0	131,0	5,0	26,2	3,82
3,20	75,0	150,0	75,0	5,267	14,24	7,02
3,40	72,0	151,0	72,0	3,533	20,38	4,91
3,60	167,0	220,0	167,0	4,867	34,31	2,91
3,80	140,0	213,0	140,0	3,0	46,67	2,14
4,00	164,0	209,0	164,0	2,133	76,89	1,3
4,20	138,0	170,0	138,0	2,267	60,87	1,64
4,40	107,0	141,0	107,0	0,467	229,12	0,44
4,60	70,0	77,0	70,0	1,6	43,75	2,29
4,80	51,0	75,0	51,0	1,133	45,01	2,22
5,00	59,0	76,0	59,0	1,2	49,17	2,03
5,20	68,0	86,0	68,0	1,133	60,02	1,67
5,40	60,0	77,0	60,0	1,733	34,62	2,89
5,60	56,0	82,0	56,0	1,067	52,48	1,91
5,80	67,0	83,0	67,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di nuove palazzine per appartamenti con annessa abitazione bifamiliare

CPT 30

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 20/07/2005
Profondità prova 7,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	fs/qcx100 (Schmertmann)
0,20			0	0,00	0,00
0,40	190	208	190	1,20	0,63
0,60	99	138	99	2,60	2,63
0,80	121	189	121	4,54	3,75
1,00	49	82	49	2,21	4,49
1,20	28	46	28	1,21	4,30
1,40	34	44	34	0,68	1,98
1,60	32	41	32	0,61	1,90
1,80	31	46	31	1,01	3,25
2,00	29	39	29	0,68	2,34
2,20	28	37	28	0,62	2,19
2,40	32	38	32	0,42	1,30
2,60	28	34	28	0,42	1,49
2,80	36	43	36	0,49	1,35
3,00	30	44	30	0,96	3,16
3,20	29	42	29	0,89	3,04
3,40	33	45	33	0,83	2,48
3,60	39	51	39	0,83	2,11
3,80	35	50	36	1,03	2,91
4,00	55	66	56	0,77	1,38
4,20	29	42	30	0,90	3,06
4,40	14	24	15	0,71	4,84
4,60	12	18	13	0,44	3,50
4,80	30	40	31	0,71	2,32
5,00	55	71	56	1,11	2,00
5,20	78	91	79	0,91	1,16
5,40	86	101	87	1,05	1,21
5,60	60	86	61	1,78	2,94
5,80	56	79	57	1,59	2,79
6,00	42	61	43	1,32	3,09
6,20	29	43	30	0,99	3,32
6,40	39	53	40	0,99	2,49
6,60	40	56	41	1,13	2,75
6,80	64	78	65	0,99	1,53
7,00	68	84	69	1,13	1,64
7,20	72	97	73	1,73	2,37
7,40	78	90	79	0,87	1,10
7,60	67	79	68	0,87	1,28
7,80	85	91	86	0,47	0,55

COMUNE DI CHIGNOLO PO (PV)
Progetto di nuove palazzine per appartamenti con annessa abitazione bifamiliare

CPT 31

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 20/07/2005
Profondità prova 7,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	fs/qcx100 (Schmertmann)
0,20			0	0,00	0,00
0,40	15	18	15	0,20	1,34
0,60	18	22	18	0,27	1,50
0,80	17	21	17	0,27	1,59
1,00	17	19	17	0,14	0,82
1,20	23	31	23	0,54	2,35
1,40	12	19	12	0,48	3,93
1,60	41	48	41	0,48	1,16
1,80	45	54	45	0,61	1,36
2,00	33	49	33	1,08	3,26
2,20	30	40	30	0,69	2,26
2,40	27	37	27	0,69	2,52
2,60	25	33	25	0,56	2,19
2,80	25	34	25	0,62	2,46
3,00	33	43	33	0,69	2,07
3,20	32	45	32	0,89	2,76
3,40	28	41	28	0,90	3,15
3,60	27	36	27	0,63	2,30
3,80	16	3	17	-0,83	-5,05
4,00	18	26	19	0,57	3,07
4,20	29	38	30	0,64	2,16
4,40	28	39	29	0,77	2,70
4,60	43	54	44	0,77	1,78
4,80	50	66	51	1,11	2,19
5,00	74	95	75	1,44	1,93
5,20	72	89	73	1,18	1,62
5,40	55	77	56	1,52	2,72
5,60	62	71	63	0,65	1,04
5,80	54	72	55	1,25	2,29
6,00	69	96	70	1,85	2,66
6,20	89	112	90	1,59	1,77
6,40	89	115	90	1,79	1,99
6,60	91	121	92	2,06	2,24
6,80	99	127	100	1,93	1,93
7,00	73	91	74	1,26	1,71
7,20	66	84	67	1,27	1,89
7,40	79	90	80	0,80	1,00
7,60	70	99	71	2,00	2,82
7,80	65	83	66	1,27	1,92

COMUNE DI CHIGNOLO PO (PV)
Progetto di ristrutturazione edilizia mediante demolizione e ricostruzione
mantenendo gli stessi volumi per la realizzazione di abitazione

CPT 32

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 22/02/2007
Profondità prova 9,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,8	0,0	
0,40	8,0	20,0	8,0	0,667	11,99	8,34
0,60	10,0	20,0	10,0	0,4	25,0	4,0
0,80	38,0	44,0	38,0	0,933	40,73	2,46
1,00	27,0	41,0	27,0	0,933	28,94	3,46
1,20	27,0	41,0	27,0	0,867	31,14	3,21
1,40	28,0	41,0	28,0	0,8	35,0	2,86
1,60	27,0	39,0	27,0	0,733	36,83	2,71
1,80	30,0	41,0	30,0	0,8	37,5	2,67
2,00	32,0	44,0	32,0	0,733	43,66	2,29
2,20	36,0	47,0	36,0	0,6	60,0	1,67
2,40	38,0	47,0	38,0	0,467	81,37	1,23
2,60	35,0	42,0	35,0	0,533	65,67	1,52
2,80	25,0	33,0	25,0	0,4	62,5	1,6
3,00	26,0	32,0	26,0	0,6	43,33	2,31
3,20	33,0	42,0	33,0	0,533	61,91	1,62
3,40	16,0	24,0	16,0	0,467	34,26	2,92
3,60	12,0	19,0	12,0	0,2	60,0	1,67
3,80	19,0	22,0	19,0	0,4	47,5	2,11
4,00	26,0	32,0	26,0	0,533	48,78	2,05
4,20	23,0	31,0	23,0	0,133	172,93	0,58
4,40	32,0	34,0	32,0	0,4	80,0	1,25
4,60	24,0	30,0	24,0	0,333	72,07	1,39
4,80	19,0	24,0	19,0	0,4	47,5	2,11
5,00	21,0	27,0	21,0	0,467	44,97	2,22
5,20	27,0	34,0	27,0	0,333	81,08	1,23
5,40	42,0	47,0	42,0	0,467	89,94	1,11
5,60	29,0	36,0	29,0	0,6	48,33	2,07
5,80	29,0	38,0	29,0	1,133	25,6	3,91
6,00	27,0	44,0	27,0	0,9	30,0	3,33
6,20	28,5	42,0	28,5	0,667	42,73	2,34
6,40	47,5	57,5	47,5	1,267	37,49	2,67
6,60	47,0	66,0	47,0	1,067	44,05	2,27
6,80	52,5	68,5	52,5	1,2	43,75	2,29
7,00	46,5	64,5	46,5	1,133	41,04	2,44
7,20	42,5	59,5	42,5	0,833	51,02	1,96
7,40	35,0	47,5	35,0	0,733	47,75	2,09
7,60	32,5	43,5	32,5	1,1	29,55	3,38
7,80	38,5	55,0	38,5	0,767	50,2	1,99
8,00	36,5	48,0	36,5	0,867	42,1	2,38
8,20	42,5	55,5	42,5	1,033	41,14	2,43
8,40	37,0	52,5	37,0	0,7	52,86	1,89
8,60	42,0	52,5	42,0	1,233	34,06	2,94
8,80	50,0	68,5	50,0	1,133	44,13	2,27
9,00	59,5	76,5	59,5	1,567	37,97	2,63
9,20	54,5	78,0	54,5	1,2	45,42	2,2
9,40	54,5	72,5	54,5	0,967	56,36	1,77
9,60	60,0	74,5	60,0	0,9	66,67	1,5
9,80	72,0	85,5	72,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di ristrutturazione edilizia mediante demolizione e ricostruzione
mantenendo gli stessi volumi per la realizzazione di abitazione

CPT 33

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 22/02/2007
Profondità prova 9,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,8	0,0	
0,40	26,0	38,0	26,0	1,6	16,25	6,15
0,60	21,0	45,0	21,0	1,867	11,25	8,89
0,80	20,0	48,0	20,0	1,467	13,63	7,34
1,00	51,0	73,0	51,0	1,4	36,43	2,75
1,20	45,0	66,0	45,0	1,0	45,0	2,22
1,40	38,0	53,0	38,0	0,867	43,83	2,28
1,60	37,0	50,0	37,0	0,6	61,67	1,62
1,80	40,0	49,0	40,0	0,667	59,97	1,67
2,00	36,0	46,0	36,0	0,6	60,0	1,67
2,20	39,0	48,0	39,0	0,533	73,17	1,37
2,40	21,0	29,0	21,0	0,6	35,0	2,86
2,60	24,0	33,0	24,0	0,333	72,07	1,39
2,80	34,0	39,0	34,0	0,6	56,67	1,76
3,00	32,0	41,0	32,0	0,4	80,0	1,25
3,20	37,0	43,0	37,0	0,667	55,47	1,8
3,40	34,0	44,0	34,0	0,6	56,67	1,76
3,60	37,0	46,0	37,0	0,4	92,5	1,08
3,80	30,0	36,0	30,0	0,533	56,29	1,78
4,00	24,0	32,0	24,0	0,467	51,39	1,95
4,20	30,0	37,0	30,0	0,467	64,24	1,56
4,40	30,0	37,0	30,0	0,4	75,0	1,33
4,60	37,0	43,0	37,0	0,533	69,42	1,44
4,80	40,0	48,0	40,0	0,8	50,0	2,0
5,00	47,0	59,0	47,0	0,733	64,12	1,56
5,20	68,0	79,0	68,0	0,6	113,33	0,88
5,40	66,0	75,0	66,0	0,867	76,12	1,31
5,60	56,0	69,0	56,0	0,4	140,0	0,71
5,80	58,0	64,0	58,0	1,3	44,62	2,24
6,00	55,5	75,0	55,5	0,833	66,63	1,5
6,20	59,0	71,5	59,0	0,767	76,92	1,3
6,40	64,0	75,5	64,0	1,4	45,71	2,19
6,60	63,5	84,5	63,5	1,767	35,94	2,78
6,80	57,0	83,5	57,0	1,3	43,85	2,28
7,00	76,0	95,5	76,0	1,0	76,0	1,32
7,20	80,0	95,0	80,0	1,2	66,67	1,5
7,40	48,0	66,0	48,0	1,233	38,93	2,57
7,60	92,5	111,0	92,5	1,367	67,67	1,48
7,80	74,0	94,5	74,0	1,483	49,9	2,0
8,00	90,5	112,75	90,5	1,683	53,77	1,86
8,20	77,75	103,0	77,75	1,275	60,98	1,64
8,40	67,0	86,125	67,0	1,258	53,26	1,88
8,60	64,375	83,25	64,375	1,05	61,31	1,63
8,80	67,0	82,75	67,0	1,442	46,46	2,15
9,00	72,0	93,625	72,0	1,317	54,67	1,83
9,20	72,75	92,5	72,75	1,55	46,94	2,13
9,40	72,25	95,5	72,25	1,558	46,37	2,16
9,60	76,875	100,25	76,875	1,3	59,13	1,69
9,80	62,125	81,625	62,125	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di nuova palazzina per appartamenti con annessa abitazione bifamiliare

CPT 34

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 17/09/2007
Profondità prova 7,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	3,467	0,0	
0,40	94,0	146,0	94,0	1,2	78,33	1,28
0,60	78,0	96,0	78,0	1,733	45,01	2,22
0,80	125,0	151,0	125,0	3,0	41,67	2,4
1,00	79,0	124,0	79,0	1,267	62,35	1,6
1,20	57,0	76,0	57,0	1,133	50,31	1,99
1,40	80,0	97,0	80,0	2,467	32,43	3,08
1,60	28,0	65,0	28,0	0,533	52,53	1,9
1,80	57,0	65,0	57,0	1,467	38,85	2,57
2,00	42,0	64,0	42,0	0,733	57,3	1,75
2,20	45,0	56,0	45,0	0,867	51,9	1,93
2,40	66,0	79,0	66,0	0,867	76,12	1,31
2,60	12,0	25,0	12,0	2,067	5,81	17,23
2,80	29,0	60,0	29,0	-0,667	-43,48	-2,3
3,00	42,0	32,0	42,0	1,267	33,15	3,02
3,20	18,0	37,0	18,0	1,133	15,89	6,29
3,40	31,0	48,0	31,0	0,333	93,09	1,07
3,60	25,0	30,0	25,0	0,6	41,67	2,4
3,80	23,0	32,0	23,0	0,6	38,33	2,61
4,00	45,0	54,0	45,0	0,667	67,47	1,48
4,20	67,0	77,0	67,0	1,067	62,79	1,59
4,40	70,0	86,0	70,0	1,2	58,33	1,71
4,60	61,0	79,0	61,0	0,733	83,22	1,2
4,80	79,0	90,0	79,0	4,933	16,01	6,24
5,00	104,0	178,0	104,0	0,533	195,12	0,51
5,20	107,0	115,0	107,0	1,267	84,45	1,18
5,40	84,0	103,0	84,0	1,4	60,0	1,67
5,60	77,0	98,0	77,0	1,4	55,0	1,82
5,80	72,0	93,0	72,0	1,133	63,55	1,57
6,00	107,0	124,0	107,0	1,467	72,94	1,37
6,20	93,0	115,0	93,0	1,067	87,16	1,15
6,40	80,0	96,0	80,0	1,467	54,53	1,83
6,60	73,0	95,0	73,0	1,133	64,43	1,55
6,80	70,0	87,0	70,0	1,067	65,6	1,52
7,00	89,0	105,0	89,0	3,067	29,02	3,45
7,20	73,0	119,0	73,0	1,2	60,83	1,64
7,40	62,0	80,0	62,0	1,267	48,93	2,04
7,60	79,0	98,0	79,0	1,2	65,83	1,52
7,80	77,0	95,0	77,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di realizzazione nuove Scuole Elementari Progetto di ampliamento Scuola Media inferiore
RELAZIONE GEOLOGICO – GEOTECNICA DI SUPPORTO ALLA PROGETTAZIONE PRELIMINARE

CPT 35

Strumento utilizzato... PAGANI 100 kN
 Prova eseguita in data 09/10/2006
 Profondità prova 11,40 mt
 Falda -1,90 m dal p.c.

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	1,333	0,0	
0,40	23,0	43,0	23,0	0,867	26,53	3,77
0,60	30,0	43,0	30,0	1,2	25,0	4,0
0,80	24,0	42,0	24,0	0,467	51,39	1,95
1,00	13,0	20,0	13,0	1,067	12,18	8,21
1,20	15,0	31,0	15,0	0,733	20,46	4,89
1,40	8,0	19,0	8,0	1,0	8,0	12,5
1,60	26,0	41,0	26,0	0,267	97,38	1,03
1,80	52,0	56,0	52,0	1,6	32,5	3,08
2,00	38,0	62,0	38,0	1,533	24,79	4,03
2,20	30,0	53,0	30,0	1,333	22,51	4,44
2,40	41,0	61,0	41,0	1,333	30,76	3,25
2,60	60,0	80,0	60,0	1,733	34,62	2,89
2,80	68,0	94,0	68,0	1,733	39,24	2,55
3,00	65,0	91,0	65,0	1,667	38,99	2,56
3,20	30,0	55,0	30,0	1,2	25,0	4,0
3,40	40,0	58,0	40,0	0,933	42,87	2,33
3,60	43,0	57,0	43,0	1,133	37,95	2,63
3,80	44,0	61,0	44,0	1,733	25,39	3,94
4,00	42,0	68,0	42,0	1,867	22,5	4,45
4,20	55,0	83,0	55,0	2,4	22,92	4,36
4,40	80,0	116,0	80,0	2,533	31,58	3,17
4,60	98,0	136,0	98,0	2,267	43,23	2,31
4,80	103,0	137,0	103,0	3,4	30,29	3,3
5,00	65,0	116,0	65,0	2,2	29,55	3,38
5,20	61,0	94,0	61,0	2,133	28,6	3,5
5,40	62,0	94,0	62,0	1,933	32,07	3,12
5,60	72,0	101,0	72,0	1,933	37,25	2,68
5,80	69,0	98,0	69,0	0,933	73,95	1,35
6,00	89,0	103,0	89,0	2,133	41,73	2,4
6,20	92,0	124,0	92,0	2,0	46,0	2,17
6,40	110,0	140,0	110,0	1,667	65,99	1,52
6,60	94,0	119,0	94,0	1,0	94,0	1,06
6,80	89,0	104,0	89,0	1,667	53,39	1,87
7,00	36,0	61,0	36,0	1,067	33,74	2,96
7,20	36,0	52,0	36,0	1,467	24,54	4,08
7,40	52,0	74,0	52,0	0,933	55,73	1,79
7,60	80,0	94,0	80,0	1,667	47,99	2,08
7,80	127,0	152,0	127,0	3,667	34,63	2,89
8,00	168,0	223,0	168,0	0,933	180,06	0,56
8,20	191,0	205,0	191,0	2,267	84,25	1,19
8,40	175,0	209,0	175,0	1,933	90,53	1,1
8,60	164,0	193,0	164,0	2,333	70,3	1,42
8,80	120,0	155,0	120,0	1,533	78,28	1,28
9,00	90,0	113,0	90,0	2,267	39,7	2,52
9,20	120,0	154,0	120,0	1,133	105,91	0,94
9,40	124,0	141,0	124,0	2,533	48,95	2,04
9,60	187,0	225,0	187,0	3,333	56,11	1,78
9,80	250,0	300,0	250,0	2,4	104,17	0,96
10,00	264,0	300,0	264,0	3,4	77,65	1,29
10,20	260,0	311,0	260,0	0,467	556,75	0,18
10,40	95,0	102,0	95,0	3,4	27,94	3,58
10,60	135,0	186,0	135,0	1,0	135,0	0,74
10,80	199,0	214,0	199,0	2,667	74,62	1,34
11,00	190,0	230,0	190,0	10,6	17,92	5,58
11,20	125,0	284,0	125,0	6,133	20,38	4,91
11,40	313,0	405,0	313,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di realizzazione nuove Scuole Elementari Progetto di ampliamento Scuola Media inferiore
RELAZIONE GEOLOGICO – GEOTECNICA DI SUPPORTO ALLA PROGETTAZIONE PRELIMINARE

CPT 36

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 11/10/2006
Profondità prova 10,20 mt
Falda -2,70 m dal p.c.

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,2	0,0	
0,40	5,0	8,0	5,0	0,2	25,0	4,0
0,60	3,0	6,0	3,0	0,2	15,0	6,67
0,80	3,0	6,0	3,0	0,933	3,22	31,1
1,00	13,0	27,0	13,0	0,467	27,84	3,59
1,20	9,0	16,0	9,0	0,467	19,27	5,19
1,40	9,0	16,0	9,0	-0,733	-12,28	-8,14
1,60	17,0	6,0	17,0	1,133	15,0	6,66
1,80	17,0	34,0	17,0	0,667	25,49	3,92
2,00	6,0	16,0	6,0	0,4	15,0	6,67
2,20	4,0	10,0	4,0	0,333	12,01	8,33
2,40	8,0	13,0	8,0	0,267	29,96	3,34
2,60	6,0	10,0	6,0	0,2	30,0	3,33
2,80	7,0	10,0	7,0	0,267	26,22	3,81
3,00	7,0	11,0	7,0	0,267	26,22	3,81
3,20	8,0	12,0	8,0	0,267	29,96	3,34
3,40	9,0	13,0	9,0	0,467	19,27	5,19
3,60	7,0	14,0	7,0	0,333	21,02	4,76
3,80	7,0	12,0	7,0	1,0	7,0	14,29
4,00	27,0	42,0	27,0	0,733	36,83	2,71
4,20	11,0	22,0	11,0	0,4	27,5	3,64
4,40	9,0	15,0	9,0	0,333	27,03	3,7
4,60	9,0	14,0	9,0	0,333	27,03	3,7
4,80	9,0	14,0	9,0	0,267	33,71	2,97
5,00	11,0	15,0	11,0	0,333	33,03	3,03
5,20	10,0	15,0	10,0	0,4	25,0	4,0
5,40	10,0	16,0	10,0	0,267	37,45	2,67
5,60	12,0	16,0	12,0	0,4	30,0	3,33
5,80	11,0	17,0	11,0	0,267	41,2	2,43
6,00	10,0	14,0	10,0	0,267	37,45	2,67
6,20	9,0	13,0	9,0	0,333	27,03	3,7
6,40	9,0	14,0	9,0	0,267	33,71	2,97
6,60	8,0	12,0	8,0	0,8	10,0	10,0
6,80	9,0	21,0	9,0	1,067	8,43	11,86
7,00	40,0	56,0	40,0	0,333	120,12	0,83
7,20	97,0	102,0	97,0	1,8	53,89	1,86
7,40	86,0	113,0	86,0	1,333	64,52	1,55
7,60	40,0	60,0	40,0	1,467	27,27	3,67
7,80	23,0	45,0	23,0	1,467	15,68	6,38
8,00	77,0	99,0	77,0	1,2	64,17	1,56
8,20	44,0	62,0	44,0	1,333	33,01	3,03
8,40	46,0	66,0	46,0	1,133	40,6	2,46
8,60	57,0	74,0	57,0	-1,2	-47,5	-2,11
8,80	63,0	45,0	63,0	0,4	157,5	0,63
9,00	39,0	45,0	39,0	0,4	97,5	1,03
9,20	28,0	34,0	28,0	0,8	35,0	2,86
9,40	35,0	47,0	35,0	1,467	23,86	4,19
9,60	98,0	120,0	98,0	2,2	44,55	2,24
9,80	148,0	181,0	148,0	2,467	59,99	1,67
10,00	198,0	235,0	198,0	-21,0	-9,43	-10,61
10,20	357,0	42,0	357,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di realizzazione nuove Scuole Elementari Progetto di ampliamento Scuola Media inferiore
RELAZIONE GEOLOGICO – GEOTECNICA DI SUPPORTO ALLA PROGETTAZIONE PRELIMINARE

CPT 37

Strumento utilizzato... PAGANI 100 kN
 Prova eseguita in data 11/10/2006
 Profondità prova 14,80 mt
 Falda -9,60 m dal p.c.

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	1,0	0,0	
0,40	30,0	45,0	30,0	0,867	34,6	2,89
0,60	27,0	40,0	27,0	0,267	101,12	0,99
0,80	24,0	28,0	24,0	0,733	32,74	3,05
1,00	23,0	34,0	23,0	1,0	23,0	4,35
1,20	29,0	44,0	29,0	0,4	72,5	1,38
1,40	22,0	28,0	22,0	0,933	23,58	4,24
1,60	33,0	47,0	33,0	0,933	35,37	2,83
1,80	55,0	69,0	55,0	-0,467	-117,77	-0,85
2,00	88,0	81,0	88,0	0,667	131,93	0,76
2,20	14,0	24,0	14,0	0,867	16,15	6,19
2,40	190,0	203,0	190,0	3,8	50,0	2,0
2,60	176,0	233,0	176,0	0,333	528,53	0,19
2,80	88,0	93,0	88,0	2,333	37,72	2,65
3,00	45,0	80,0	45,0	1,6	28,13	3,56
3,20	39,0	63,0	39,0	1,467	26,58	3,76
3,40	26,0	48,0	26,0	1,333	19,5	5,13
3,60	26,0	46,0	26,0	0,6	43,33	2,31
3,80	27,0	36,0	27,0	0,6	45,0	2,22
4,00	30,0	39,0	30,0	0,733	40,93	2,44
4,20	43,0	54,0	43,0	0,733	58,66	1,7
4,40	31,0	42,0	31,0	0,667	46,48	2,15
4,60	31,0	41,0	31,0	0,6	51,67	1,94
4,80	41,0	50,0	41,0	1,0	41,0	2,44
5,00	58,0	73,0	58,0	0,8	72,5	1,38
5,20	61,0	73,0	61,0	2,8	21,79	4,59
5,40	38,0	80,0	38,0	2,0	19,0	5,26
5,60	73,0	103,0	73,0	1,2	60,83	1,64
5,80	88,0	106,0	88,0	1,067	82,47	1,21
6,00	78,0	94,0	78,0	1,867	41,78	2,39
6,20	101,0	129,0	101,0	2,467	40,94	2,44
6,40	108,0	145,0	108,0	1,333	81,02	1,23
6,60	74,0	94,0	74,0	1,4	52,86	1,89
6,80	55,0	76,0	55,0	0,6	91,67	1,09
7,00	59,0	68,0	59,0	1,467	40,22	2,49
7,20	62,0	84,0	62,0	1,733	35,78	2,8
7,40	69,0	95,0	69,0	0,467	147,75	0,68
7,60	94,0	101,0	94,0	1,933	48,63	2,06
7,80	77,0	106,0	77,0	1,467	52,49	1,91
8,00	92,0	114,0	92,0	2,667	34,5	2,9
8,20	148,0	188,0	148,0	3,0	49,33	2,03
8,40	145,0	190,0	145,0	2,2	65,91	1,52
8,60	130,0	163,0	130,0	2,267	57,34	1,74
8,80	113,0	147,0	113,0	2,333	48,44	2,06
9,00	129,0	164,0	129,0	3,467	37,21	2,69
9,20	143,0	195,0	143,0	2,133	67,04	1,49
9,40	118,0	150,0	118,0	1,133	104,15	0,96
9,60	66,0	83,0	66,0	1,733	38,08	2,63
9,80	135,0	161,0	135,0	1,6	84,38	1,19
10,00	155,0	179,0	155,0	1,2	129,17	0,77
10,20	150,0	168,0	150,0	2,533	59,22	1,69
10,40	97,0	135,0	97,0	2,0	48,5	2,06
10,60	70,0	100,0	70,0	1,467	47,72	2,1
10,80	112,0	134,0	112,0	1,667	67,19	1,49
11,00	101,0	126,0	101,0	1,6	63,13	1,58
11,20	110,0	134,0	110,0	1,667	65,99	1,52
11,40	102,0	127,0	102,0	3,933	25,93	3,86
11,60	131,0	190,0	131,0	0,867	151,1	0,66
11,80	200,0	213,0	200,0	0,333	600,6	0,17
12,00	176,0	181,0	176,0	5,2	33,85	2,95
12,20	210,0	288,0	210,0	5,133	40,91	2,44
12,40	244,0	321,0	244,0	0,867	281,43	0,36
12,60	170,0	183,0	170,0	1,4	121,43	0,82
12,80	160,0	181,0	160,0	3,2	50,0	2,0
13,00	165,0	213,0	165,0	3,667	45,0	2,22
13,20	200,0	255,0	200,0	2,0	100,0	1,0
13,40	100,0	130,0	100,0	0,8	125,0	0,8
13,60	139,0	151,0	139,0	1,733	80,21	1,25
13,80	166,0	192,0	166,0	3,133	52,98	1,89
14,00	184,0	231,0	184,0	3,8	48,42	2,07
14,20	199,0	256,0	199,0	3,667	54,27	1,84
14,40	267,0	322,0	267,0	7,267	36,74	2,72
14,60	288,0	397,0	288,0	5,867	49,09	2,04
14,80	400,0	488,0	400,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
 Progetto di realizzazione nuove Scuole Elementari Progetto di ampliamento Scuola Media inferiore
 RELAZIONE GEOLOGICO – GEOTECNICA DI SUPPORTO ALLA PROGETTAZIONE PRELIMINARE

CPT 38

Strumento utilizzato... PAGANI 100 kN
 Prova eseguita in data 11/10/2006
 Profondità prova 9,20 mt
 Falda -8,30 m dal p.c.

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,2	0,0	
0,40	5,0	8,0	5,0	0,133	37,59	2,66
0,60	4,0	6,0	4,0	0,2	20,0	5,0
0,80	5,0	8,0	5,0	0,4	12,5	8,0
1,00	31,0	37,0	31,0	0,533	58,16	1,72
1,20	39,0	47,0	39,0	3,267	11,94	8,38
1,40	37,0	86,0	37,0	-2,8	-13,21	-7,57
1,60	42,0	0,0	42,0	0,933	45,02	2,22
1,80	47,0	61,0	47,0	0,533	88,18	1,13
2,00	42,0	50,0	42,0	0,8	52,5	1,9
2,20	36,0	48,0	36,0	1,0	36,0	2,78
2,40	43,0	58,0	43,0	1,0	43,0	2,33
2,60	65,0	80,0	65,0	1,4	46,43	2,15
2,80	56,0	77,0	56,0	1,267	44,2	2,26
3,00	41,0	60,0	41,0	1,067	38,43	2,6
3,20	33,0	49,0	33,0	0,867	38,06	2,63
3,40	47,0	60,0	47,0	0,467	100,64	0,99
3,60	47,0	54,0	47,0	1,933	24,31	4,11
3,80	70,0	99,0	70,0	1,4	50,0	2,0
4,00	80,0	101,0	80,0	2,0	40,0	2,5
4,20	72,0	102,0	72,0	0,6	120,0	0,83
4,40	99,0	108,0	99,0	2,2	45,0	2,22
4,60	89,0	122,0	89,0	1,867	47,67	2,1
4,80	94,0	122,0	94,0	1,733	54,24	1,84
5,00	86,0	112,0	86,0	1,0	86,0	1,16
5,20	106,0	121,0	106,0	2,333	45,44	2,2
5,40	96,0	131,0	96,0	1,4	68,57	1,46
5,60	76,0	97,0	76,0	1,467	51,81	1,93
5,80	56,0	78,0	56,0	0,8	70,0	1,43
6,00	55,0	67,0	55,0	54,4	1,01	98,91
6,20	67,0	883,0	67,0	0,667	100,45	1,0
6,40	112,0	122,0	112,0	1,533	73,06	1,37
6,60	77,0	100,0	77,0	0,867	88,81	1,13
6,80	59,0	72,0	59,0	2,6	22,69	4,41
7,00	114,0	153,0	114,0	1,8	63,33	1,58
7,20	126,0	153,0	126,0	2,4	52,5	1,9
7,40	55,0	91,0	55,0	1,533	35,88	2,79
7,60	59,0	82,0	59,0	1,333	44,26	2,26
7,80	141,0	161,0	141,0	3,467	40,67	2,46
8,00	111,0	163,0	111,0	1,467	75,66	1,32
8,20	117,0	139,0	117,0	2,267	51,61	1,94
8,40	126,0	160,0	126,0	2,867	43,95	2,28
8,60	199,0	242,0	199,0	1,467	135,65	0,74
8,80	142,0	164,0	142,0	1,533	92,63	1,08
9,00	289,0	312,0	289,0	3,533	81,8	1,22
9,20	297,0	350,0	297,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di realizzazione nuove Scuole Elementari Progetto di ampliamento Scuola Media inferiore
RELAZIONE GEOLOGICO – GEOTECNICA DI SUPPORTO ALLA PROGETTAZIONE PRELIMINARE

CPT 39

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 07/12/2006
Profondità prova 12,00 mt
Falda -10,00 m dal p.c.

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,133	0,0	
0,40	10,0	12,0	10,0	0,133	75,19	1,33
0,60	12,0	14,0	12,0	0,467	25,7	3,89
0,80	18,0	25,0	18,0	0,067	268,66	0,37
1,00	20,0	21,0	20,0	1,2	16,67	6,0
1,20	16,0	34,0	16,0	0,6	26,67	3,75
1,40	11,0	20,0	11,0	0,333	33,03	3,03
1,60	14,0	19,0	14,0	0,133	105,26	0,95
1,80	14,0	16,0	14,0	0,267	52,43	1,91
2,00	12,0	16,0	12,0	0,467	25,7	3,89
2,20	17,0	24,0	17,0	0,4	42,5	2,35
2,40	40,0	46,0	40,0	0,733	54,57	1,83
2,60	47,0	58,0	47,0	0,733	64,12	1,56
2,80	54,0	65,0	54,0	0,933	57,88	1,73
3,00	75,0	89,0	75,0	2,0	37,5	2,67
3,20	79,0	109,0	79,0	1,0	79,0	1,27
3,40	82,0	97,0	82,0	0,8	102,5	0,98
3,60	90,0	102,0	90,0	4,8	18,75	5,33
3,80	99,0	171,0	99,0	2,133	46,41	2,15
4,00	110,0	142,0	110,0	1,467	74,98	1,33
4,20	66,0	88,0	66,0	1,533	43,05	2,32
4,40	52,0	75,0	52,0	0,667	77,96	1,28
4,60	48,0	58,0	48,0	0,933	51,45	1,94
4,80	28,0	42,0	28,0	0,8	35,0	2,86
5,00	35,0	47,0	35,0	0,467	74,95	1,33
5,20	36,0	43,0	36,0	1,067	33,74	2,96
5,40	36,0	52,0	36,0	1,0	36,0	2,78
5,60	40,0	55,0	40,0	-1,267	-31,57	-3,17
5,80	76,0	57,0	76,0	0,467	162,74	0,61
6,00	69,0	76,0	69,0	1,8	38,33	2,61
6,20	60,0	87,0	60,0	1,467	40,9	2,45
6,40	68,0	90,0	68,0	1,533	44,36	2,25
6,60	76,0	99,0	76,0	1,733	43,85	2,28
6,80	84,0	110,0	84,0	2,267	37,05	2,7
7,00	98,0	132,0	98,0	1,933	50,7	1,97
7,20	80,0	109,0	80,0	2,0	40,0	2,5
7,40	77,0	107,0	77,0	2,533	30,4	3,29
7,60	128,0	166,0	128,0	1,667	76,78	1,3
7,80	90,0	115,0	90,0	2,2	40,91	2,44
8,00	79,0	112,0	79,0	2,0	39,5	2,53
8,20	78,0	108,0	78,0	1,867	41,78	2,39
8,40	86,0	114,0	86,0	1,733	49,62	2,02
8,60	69,0	95,0	69,0	1,133	60,9	1,64
8,80	53,0	70,0	53,0	1,533	34,57	2,89
9,00	65,0	88,0	65,0	2,4	27,08	3,69
9,20	77,0	113,0	77,0	1,333	57,76	1,73
9,40	74,0	94,0	74,0	1,467	50,44	1,98
9,60	60,0	82,0	60,0	1,4	42,86	2,33
9,80	54,0	75,0	54,0	1,2	45,0	2,22
10,00	50,0	68,0	50,0	1,733	28,85	3,47
10,20	85,0	111,0	85,0	3,267	26,02	3,84
10,40	81,0	130,0	81,0	2,267	35,73	2,8
10,60	118,0	152,0	118,0	0,8	147,5	0,68
10,80	112,0	124,0	112,0	1,867	59,99	1,67
11,00	108,0	136,0	108,0	2,333	46,29	2,16
11,20	89,0	124,0	89,0	2,467	36,08	2,77
11,40	101,0	138,0	101,0	1,067	94,66	1,06
11,60	99,0	115,0	99,0	1,333	74,27	1,35
11,80	118,0	138,0	118,0	1,6	73,75	1,36
12,00	106,0	130,0	106,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di realizzazione nuova scuola elementare - Progetto di ampliamento scuola media inferiore
VERIFICA GEOTECNICA DEI TERRENI DI FONDAZIONE

CPT 40

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 29/02/2008
Profondità prova 10,00 mt
Falda - 2,10 m dal p.c.

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,333	0,0	
0,40	7,0	12,0	7,0	0,267	26,22	3,81
0,60	35,0	39,0	35,0	1,467	23,86	4,19
0,80	69,0	91,0	69,0	1,067	64,67	1,55
1,00	75,0	91,0	75,0	1,267	59,19	1,69
1,20	44,0	63,0	44,0	0,667	65,97	1,52
1,40	26,0	36,0	26,0	0,6	43,33	2,31
1,60	6,0	15,0	6,0	0,333	18,02	5,55
1,80	4,0	9,0	4,0	0,267	14,98	6,68
2,00	4,0	8,0	4,0	0,133	30,08	3,33
2,20	9,0	11,0	9,0	0,2	45,0	2,22
2,40	5,0	8,0	5,0	0,133	37,59	2,66
2,60	4,0	6,0	4,0	0,333	12,01	8,33
2,80	10,0	15,0	10,0	-0,467	-21,41	-4,67
3,00	47,0	40,0	47,0	0,8	58,75	1,7
3,20	47,0	59,0	47,0	0,333	141,14	0,71
3,40	18,0	23,0	18,0	0,067	268,66	0,37
3,60	19,0	20,0	19,0	1,2	15,83	6,32
3,80	14,0	32,0	14,0	0,533	26,27	3,81
4,00	8,0	16,0	8,0	0,133	60,15	1,66
4,20	8,0	10,0	8,0	0,2	40,0	2,5
4,40	7,0	10,0	7,0	0,133	52,63	1,9
4,60	8,0	10,0	8,0	0,267	29,96	3,34
4,80	10,0	14,0	10,0	0,2	50,0	2,0
5,00	10,0	13,0	10,0	0,333	30,03	3,33
5,20	9,0	14,0	9,0	0,2	45,0	2,22
5,40	11,0	14,0	11,0	0,267	41,2	2,43
5,60	14,0	18,0	14,0	0,4	35,0	2,86
5,80	9,0	15,0	9,0	0,2	45,0	2,22
6,00	7,0	10,0	7,0	0,2	35,0	2,86
6,20	7,0	10,0	7,0	0,2	35,0	2,86
6,40	6,0	9,0	6,0	0,2	30,0	3,33
6,60	6,0	9,0	6,0	0,2	30,0	3,33
6,80	6,0	9,0	6,0	0,733	8,19	12,22
7,00	10,0	21,0	10,0	0,6	16,67	6,0
7,20	88,0	97,0	88,0	0,8	110,0	0,91
7,40	42,0	54,0	42,0	0,467	89,94	1,11
7,60	37,0	44,0	37,0	0,133	278,2	0,36
7,80	70,0	72,0	70,0	2,733	25,61	3,9
8,00	99,0	140,0	99,0	-0,6	-165,0	-0,61
8,20	179,0	170,0	179,0	2,133	83,92	1,19
8,40	139,0	171,0	139,0	2,0	69,5	1,44
8,60	100,0	130,0	100,0	2,667	37,5	2,67
8,80	91,0	131,0	91,0	1,733	52,51	1,9
9,00	96,0	122,0	96,0	2,6	36,92	2,71
9,20	72,0	111,0	72,0	1,667	43,19	2,32
9,40	78,0	103,0	78,0	1,6	48,75	2,05
9,60	115,0	139,0	115,0	1,733	66,36	1,51
9,80	289,0	315,0	289,0	5,867	49,26	2,03
10,00	308,0	396,0	308,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di realizzazione nuova scuola elementare - Progetto di ampliamento scuola media inferiore
VERIFICA GEOTECNICA DEI TERRENI DI FONDAZIONE

CPT 41

Strumento utilizzato... PAGANI 100 kN
 Prova eseguita in data 29/02/2008
 Profondità prova 10,40 mt
 Falda -2,60 m dal p.c.

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,133	0,0	
0,40	4,0	6,0	4,0	0,867	4,61	21,68
0,60	35,0	48,0	35,0	0,2	175,0	0,57
0,80	37,0	40,0	37,0	0,8	46,25	2,16
1,00	13,0	25,0	13,0	0,533	24,39	4,1
1,20	8,0	16,0	8,0	0,4	20,0	5,0
1,40	9,0	15,0	9,0	0,267	33,71	2,97
1,60	8,0	12,0	8,0	0,267	29,96	3,34
1,80	7,0	11,0	7,0	0,2	35,0	2,86
2,00	5,0	8,0	5,0	0,333	15,02	6,66
2,20	6,0	11,0	6,0	0,2	30,0	3,33
2,40	5,0	8,0	5,0	0,2	25,0	4,0
2,60	4,0	7,0	4,0	0,2	20,0	5,0
2,80	6,0	9,0	6,0	0,133	45,11	2,22
3,00	11,0	13,0	11,0	0,2	55,0	1,82
3,20	5,0	8,0	5,0	0,2	25,0	4,0
3,40	4,0	7,0	4,0	0,2	20,0	5,0
3,60	8,0	11,0	8,0	0,267	29,96	3,34
3,80	8,0	12,0	8,0	0,2	40,0	2,5
4,00	6,0	9,0	6,0	0,2	30,0	3,33
4,20	13,0	16,0	13,0	0,2	65,0	1,54
4,40	22,0	25,0	22,0	0,133	165,41	0,6
4,60	16,0	18,0	16,0	0,6	26,67	3,75
4,80	11,0	20,0	11,0	0,4	27,5	3,64
5,00	7,0	13,0	7,0	0,333	21,02	4,76
5,20	7,0	12,0	7,0	0,2	35,0	2,86
5,40	40,0	43,0	40,0	0,867	46,14	2,17
5,60	17,0	30,0	17,0	0,133	127,82	0,78
5,80	38,0	40,0	38,0	0,8	47,5	2,11
6,00	40,0	52,0	40,0	1,0	40,0	2,5
6,20	35,0	50,0	35,0	0,8	43,75	2,29
6,40	38,0	50,0	38,0	0,867	43,83	2,28
6,60	65,0	78,0	65,0	1,667	38,99	2,56
6,80	86,0	111,0	86,0	2,267	37,94	2,64
7,00	110,0	144,0	110,0	2,133	51,57	1,94
7,20	110,0	142,0	110,0	0,667	164,92	0,61
7,40	93,0	103,0	93,0	2,0	46,5	2,15
7,60	81,0	111,0	81,0	2,133	37,97	2,63
7,80	110,0	142,0	110,0	2,2	50,0	2,0
8,00	105,0	138,0	105,0	2,2	47,73	2,1
8,20	86,0	119,0	86,0	2,2	39,09	2,56
8,40	59,0	92,0	59,0	1,067	55,3	1,81
8,60	99,0	115,0	99,0	2,333	42,43	2,36
8,80	75,0	110,0	75,0	1,667	44,99	2,22
9,00	56,0	81,0	56,0	1,467	38,17	2,62
9,20	59,0	81,0	59,0	1,4	42,14	2,37
9,40	37,0	58,0	37,0	1,267	29,2	3,42
9,60	29,0	48,0	29,0	1,733	16,73	5,98
9,80	132,0	158,0	132,0	3,133	42,13	2,37
10,00	244,0	291,0	244,0	5,267	46,33	2,16
10,20	237,0	316,0	237,0	4,667	50,78	1,97
10,40	301,0	371,0	301,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di realizzazione nuova scuola elementare - Progetto di ampliamento scuola media inferiore
VERIFICA GEOTECNICA DEI TERRENI DI FONDAZIONE

CPT 42

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 29/02/2008
Profondità prova 10,00 mt
Falda -2,00 m dal p.c.

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	3,133	0,0	
0,40	67,0	114,0	67,0	4,6	14,57	6,87
0,60	186,0	255,0	186,0	1,133	164,17	0,61
0,80	94,0	111,0	94,0	2,867	32,79	3,05
1,00	51,0	94,0	51,0	1,867	27,32	3,66
1,20	46,0	74,0	46,0	0,6	76,67	1,3
1,40	45,0	54,0	45,0	0,733	61,39	1,63
1,60	44,0	55,0	44,0	0,733	60,03	1,67
1,80	46,0	57,0	46,0	0,933	49,3	2,03
2,00	43,0	57,0	43,0	0,867	49,6	2,02
2,20	46,0	59,0	46,0	0,067	686,57	0,15
2,40	60,0	61,0	60,0	1,133	52,96	1,89
2,60	50,0	67,0	50,0	0,467	107,07	0,93
2,80	36,0	43,0	36,0	0,733	49,11	2,04
3,00	35,0	46,0	35,0	0,533	65,67	1,52
3,20	52,0	60,0	52,0	0,867	59,98	1,67
3,40	40,0	53,0	40,0	0,467	85,65	1,17
3,60	64,0	71,0	64,0	1,4	45,71	2,19
3,80	58,0	79,0	58,0	1,0	58,0	1,72
4,00	46,0	61,0	46,0	1,2	38,33	2,61
4,20	42,0	60,0	42,0	1,067	39,36	2,54
4,40	40,0	56,0	40,0	0,733	54,57	1,83
4,60	37,0	48,0	37,0	0,933	39,66	2,52
4,80	35,0	49,0	35,0	0,2	175,0	0,57
5,00	25,0	28,0	25,0	0,467	53,53	1,87
5,20	13,0	20,0	13,0	0,2	65,0	1,54
5,40	7,0	10,0	7,0	0,267	26,22	3,81
5,60	8,0	12,0	8,0	0,6	13,33	7,5
5,80	29,0	38,0	29,0	1,0	29,0	3,45
6,00	47,0	62,0	47,0	1,133	41,48	2,41
6,20	77,0	94,0	77,0	1,667	46,19	2,16
6,40	85,0	110,0	85,0	1,467	57,94	1,73
6,60	94,0	116,0	94,0	1,533	61,32	1,63
6,80	96,0	119,0	96,0	1,8	53,33	1,88
7,00	91,0	118,0	91,0	1,667	54,59	1,83
7,20	68,0	93,0	68,0	2,4	28,33	3,53
7,40	57,0	93,0	57,0	1,533	37,18	2,69
7,60	148,0	171,0	148,0	3,733	39,65	2,52
7,80	140,0	196,0	140,0	3,0	46,67	2,14
8,00	139,0	184,0	139,0	7,267	19,13	5,23
8,20	64,0	173,0	64,0	2,867	22,32	4,48
8,40	158,0	201,0	158,0	6,133	25,76	3,88
8,60	170,0	262,0	170,0	1,267	134,18	0,75
8,80	156,0	175,0	156,0	2,0	78,0	1,28
9,00	111,0	141,0	111,0	2,467	44,99	2,22
9,20	99,0	136,0	99,0	2,267	43,67	2,29
9,40	99,0	133,0	99,0	2,6	38,08	2,63
9,60	95,0	134,0	95,0	3,333	28,5	3,51
9,80	151,0	201,0	151,0	1,867	80,88	1,24
10,00	189,0	217,0	189,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di realizzazione nuova scuola elementare - Progetto di ampliamento scuola media inferiore
VERIFICA GEOTECNICA DEI TERRENI DI FONDAZIONE

CPT 43

Strumento utilizzato... PAGANI 100 kN
 Prova eseguita in data 29/02/2008
 Profondità prova 10,20 mt
 Falda -2,40 m dal p.c.

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	-0,133	0,0	
0,40	53,0	51,0	53,0	5,733	9,24	10,82
0,60	76,0	162,0	76,0	-4,867	-15,62	-6,4
0,80	73,0	0,0	73,0	1,4	52,14	1,92
1,00	62,0	83,0	62,0	1,267	48,93	2,04
1,20	24,0	43,0	24,0	0,667	35,98	2,78
1,40	15,0	25,0	15,0	0,867	17,3	5,78
1,60	7,0	20,0	7,0	0,4	17,5	5,71
1,80	13,0	19,0	13,0	0,467	27,84	3,59
2,00	9,0	16,0	9,0	0,667	13,49	7,41
2,20	8,0	18,0	8,0	0,2	40,0	2,5
2,40	31,0	34,0	31,0	1,6	19,38	5,16
2,60	38,0	62,0	38,0	1,267	29,99	3,33
2,80	69,0	88,0	69,0	1,667	41,39	2,42
3,00	86,0	111,0	86,0	2,067	41,61	2,4
3,20	81,0	112,0	81,0	1,933	41,9	2,39
3,40	87,0	116,0	87,0	2,467	35,27	2,84
3,60	82,0	119,0	82,0	1,933	42,42	2,36
3,80	72,0	101,0	72,0	1,4	51,43	1,94
4,00	67,0	88,0	67,0	1,733	38,66	2,59
4,20	67,0	93,0	67,0	1,933	34,66	2,89
4,40	102,0	131,0	102,0	1,467	69,53	1,44
4,60	117,0	139,0	117,0	1,067	109,65	0,91
4,80	101,0	117,0	101,0	2,6	38,85	2,57
5,00	99,0	138,0	99,0	2,6	38,08	2,63
5,20	127,0	166,0	127,0	1,933	65,7	1,52
5,40	76,0	105,0	76,0	1,733	43,85	2,28
5,60	59,0	85,0	59,0	0,133	443,61	0,23
5,80	79,0	81,0	79,0	2,0	39,5	2,53
6,00	88,0	118,0	88,0	2,133	41,26	2,42
6,20	86,0	118,0	86,0	1,933	44,49	2,25
6,40	133,0	162,0	133,0	1,533	86,76	1,15
6,60	88,0	111,0	88,0	0,867	101,5	0,99
6,80	46,0	59,0	46,0	1,6	28,75	3,48
7,00	75,0	99,0	75,0	1,533	48,92	2,04
7,20	92,0	115,0	92,0	2,0	46,0	2,17
7,40	63,0	93,0	63,0	1,4	45,0	2,22
7,60	99,0	120,0	99,0	1,733	57,13	1,75
7,80	131,0	157,0	131,0	1,4	93,57	1,07
8,00	199,0	220,0	199,0	5,667	35,12	2,85
8,20	252,0	337,0	252,0	2,533	99,49	1,01
8,40	146,0	184,0	146,0	4,067	35,9	2,79
8,60	133,0	194,0	133,0	2,0	66,5	1,5
8,80	121,0	151,0	121,0	1,867	64,81	1,54
9,00	101,0	129,0	101,0	2,533	39,87	2,51
9,20	83,0	121,0	83,0	2,0	41,5	2,41
9,40	86,0	116,0	86,0	2,067	41,61	2,4
9,60	103,0	134,0	103,0	2,533	40,66	2,46
9,80	218,0	256,0	218,0	3,867	56,37	1,77
10,00	247,0	305,0	247,0	7,8	31,67	3,16
10,20	312,0	429,0	312,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di realizzazione nuova scuola elementare - Progetto di ampliamento scuola media inferiore
VERIFICA GEOTECNICA DEI TERRENI DI FONDAZIONE

CPT 44

Strumento utilizzato... PAGANI 100 kN
 Prova eseguita in data 29/02/2008
 Profondità prova 10,00 mt
 Falda -2,10 m dal p.c.

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,667	0,0	
0,40	23,0	33,0	23,0	0,8	28,75	3,48
0,60	9,0	21,0	9,0	0,533	16,89	5,92
0,80	8,0	16,0	8,0	0,333	24,02	4,16
1,00	6,0	11,0	6,0	0,467	12,85	7,78
1,20	9,0	16,0	9,0	0,333	27,03	3,7
1,40	6,0	11,0	6,0	0,267	22,47	4,45
1,60	4,0	8,0	4,0	0,2	20,0	5,0
1,80	7,0	10,0	7,0	0,133	52,63	1,9
2,00	7,0	9,0	7,0	0,533	13,13	7,61
2,20	7,0	15,0	7,0	0,267	26,22	3,81
2,40	6,0	10,0	6,0	0,2	30,0	3,33
2,60	6,0	9,0	6,0	0,133	45,11	2,22
2,80	7,0	9,0	7,0	0,2	35,0	2,86
3,00	6,0	9,0	6,0	0,2	30,0	3,33
3,20	6,0	9,0	6,0	0,267	22,47	4,45
3,40	5,0	9,0	5,0	0,267	18,73	5,34
3,60	8,0	12,0	8,0	0,4	20,0	5,0
3,80	9,0	15,0	9,0	0,4	22,5	4,44
4,00	8,0	14,0	8,0	0,467	17,13	5,84
4,20	8,0	15,0	8,0	0,267	29,96	3,34
4,40	7,0	11,0	7,0	0,333	21,02	4,76
4,60	8,0	13,0	8,0	0,4	20,0	5,0
4,80	7,0	13,0	7,0	0,4	17,5	5,71
5,00	7,0	13,0	7,0	0,333	21,02	4,76
5,20	7,0	12,0	7,0	0,4	17,5	5,71
5,40	6,0	12,0	6,0	0,4	15,0	6,67
5,60	7,0	13,0	7,0	0,267	26,22	3,81
5,80	6,0	10,0	6,0	0,2	30,0	3,33
6,00	6,0	9,0	6,0	0,267	22,47	4,45
6,20	6,0	10,0	6,0	0,067	89,55	1,12
6,40	9,0	10,0	9,0	4,067	2,21	45,19
6,60	116,0	177,0	116,0	1,667	69,59	1,44
6,80	91,0	116,0	91,0	2,067	44,03	2,27
7,00	101,0	132,0	101,0	1,933	52,25	1,91
7,20	89,0	118,0	89,0	1,533	58,06	1,72
7,40	75,0	98,0	75,0	1,8	41,67	2,4
7,60	115,0	142,0	115,0	3,0	38,33	2,61
7,80	126,0	171,0	126,0	2,667	47,24	2,12
8,00	123,0	163,0	123,0	4,8	25,63	3,9
8,20	75,0	147,0	75,0	2,6	28,85	3,47
8,40	109,0	148,0	109,0	3,667	29,72	3,36
8,60	136,0	191,0	136,0	1,867	72,84	1,37
8,80	116,0	144,0	116,0	1,867	62,13	1,61
9,00	84,0	112,0	84,0	2,0	42,0	2,38
9,20	79,0	109,0	79,0	1,867	42,31	2,36
9,40	68,0	96,0	68,0	1,933	35,18	2,84
9,60	62,0	91,0	62,0	2,6	23,85	4,19
9,80	143,0	182,0	143,0	2,6	55,0	1,82
10,00	219,0	258,0	219,0	0,0		0,0

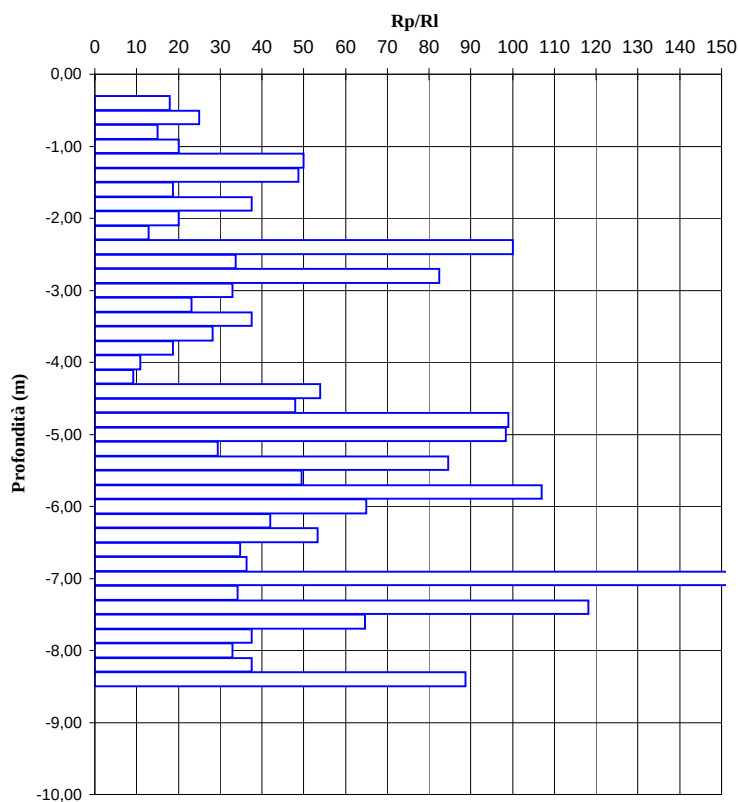
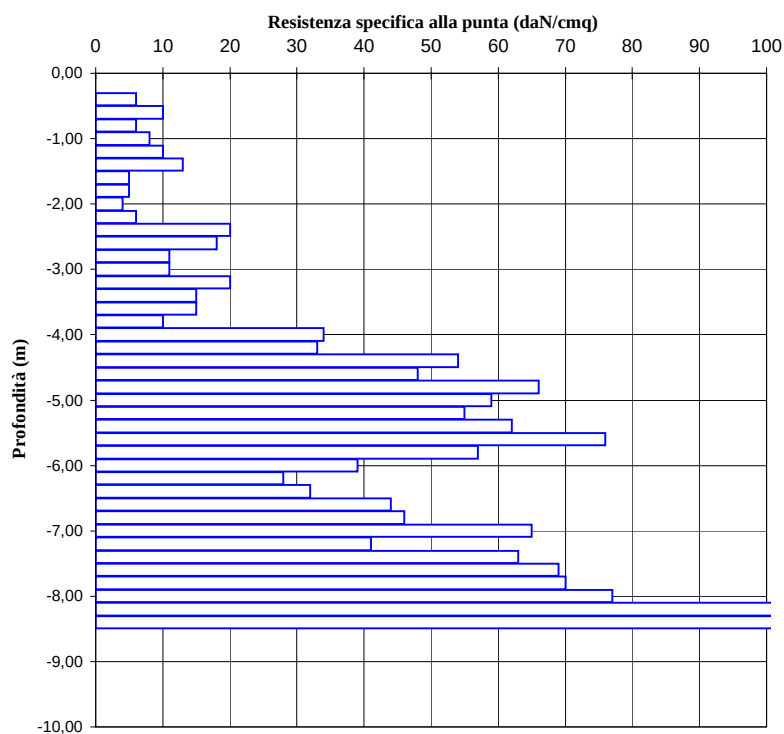
Prova penetrometrica statica n.

45

Località: **Via Lambrinia - Chignolo Po (PV)**
Committente: **IMMOBILIARE GI & VI s.r.l.**

Data:
Livello falda

26/01/2005
- 1,40 m dal p.c.



Quota	Rp	Rp+Rm	Rp/Rl	Quota	Rp	Rp+Rm	Rp/Rl
0,00			####	-9,20			
-0,20			####	-9,40			
-0,40	6	11	18	-9,60			
-0,60	10	16	25	-9,80			
-0,80	6	12	15	-10,00			
-1,00	8	14	20				
-1,20	10	13	50				
-1,40	13	17	49				
-1,60	5	9	19				
-1,80	5	7	38				
-2,00	4	7	20				
-2,20	6	13	13				
-2,40	20	23	100				
-2,60	18	26	34				
-2,80	11	13	83				
-3,00	11	16	33				
-3,20	20	33	23				
-3,40	15	21	38				
-3,60	15	23	28				
-3,80	10	18	19				
-4,00	34	81	11				
-4,20	33	87	9				
-4,40	54	69	54				
-4,60	48	63	48				
-4,80	66	76	99				
-5,00	59	68	98				
-5,20	55	83	29				
-5,40	62	73	85				
-5,60	76	99	50				
-5,80	57	65	107				
-6,00	39	48	65				
-6,20	28	38	42				
-6,40	32	41	53				
-6,60	44	63	35				
-6,80	46	65	36				
-7,00	65	67	488				
-7,20	41	59	34				
-7,40	63	71	118				
-7,60	69	85	65				
-7,80	70	98	38				
-8,00	77	112	33				
-8,20	230	322	38				
-8,40	355	415	89				
-8,60							
-8,80							
-9,00							

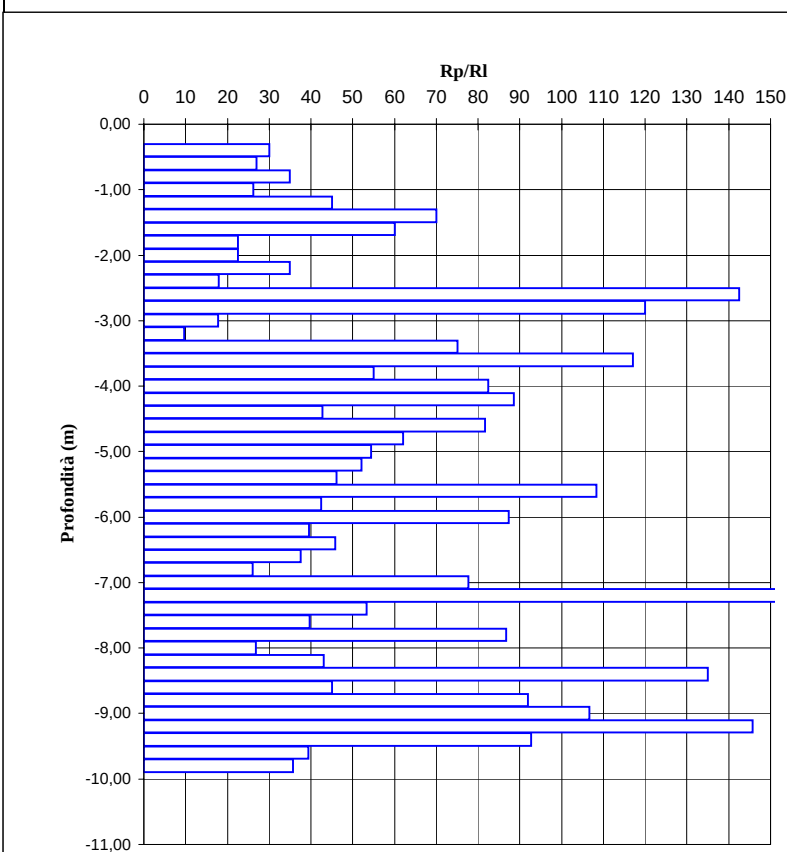
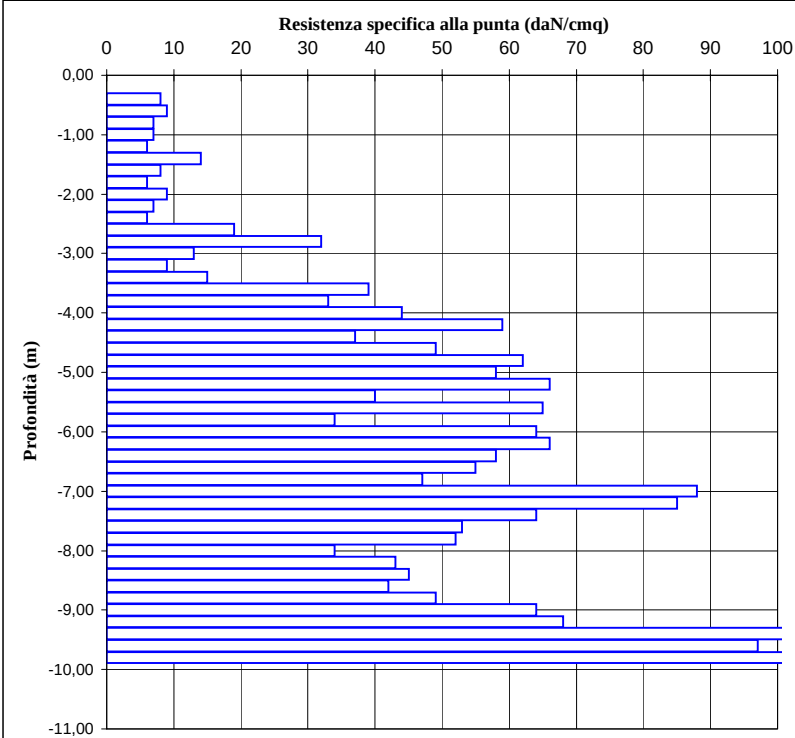
Prova penetrometrica statica n.

46

Località: **Via Lambrinia - Chignolo Po (PV)**
Committente: **IMMOBILIARE GI & VI s.r.l.**

Data:
Livello falda

26/01/2005
- 1,60 m dal p.c.



Quota	Rp	Rp+Rm	Rp/Rl	Quota	Rp	Rp+Rm	Rp/Rl
0,00			#####	-9,20	68	75	146
-0,20			#####	-9,40	105	122	93
-0,40	8	12	30	-9,60	97	134	39
-0,60	9	14	27	-9,80	112	159	36
-0,80	7	10	35	-10,00			
-1,00	7	11	26	-10,20			
-1,20	6	8	45	-10,40			
-1,40	14	17	70	-10,60			
-1,60	8	10	60	-10,80			
-1,80	6	10	23	-11,00			
-2,00	9	15	23				
-2,20	7	10	35				
-2,40	6	11	18				
-2,60	19	21	143				
-2,80	32	36	120				
-3,00	13	24	18				
-3,20	9	23	10				
-3,40	15	18	75				
-3,60	39	44	117				
-3,80	33	42	55				
-4,00	44	52	83				
-4,20	59	69	89				
-4,40	37	50	43				
-4,60	49	58	82				
-4,80	62	77	62				
-5,00	58	74	54				
-5,20	66	85	52				
-5,40	40	53	46				
-5,60	65	74	108				
-5,80	34	46	43				
-6,00	64	75	87				
-6,20	66	91	40				
-6,40	58	77	46				
-6,60	55	77	38				
-6,80	47	74	26				
-7,00	88	105	78				
-7,20	85	89	319				
-7,40	64	82	53				
-7,60	53	73	40				
-7,80	52	61	87				
-8,00	34	53	27				
-8,20	43	58	43				
-8,40	45	50	135				
-8,60	42	56,00	45				
-8,80	49	57,00	92				
-9,00	64	73,00	107				

Prova penetrometrica statica n.

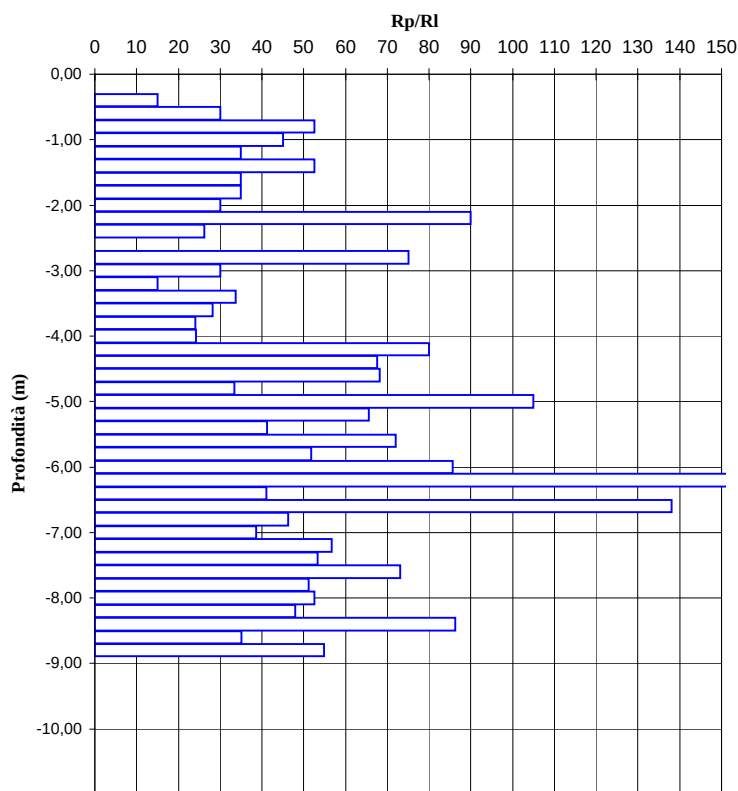
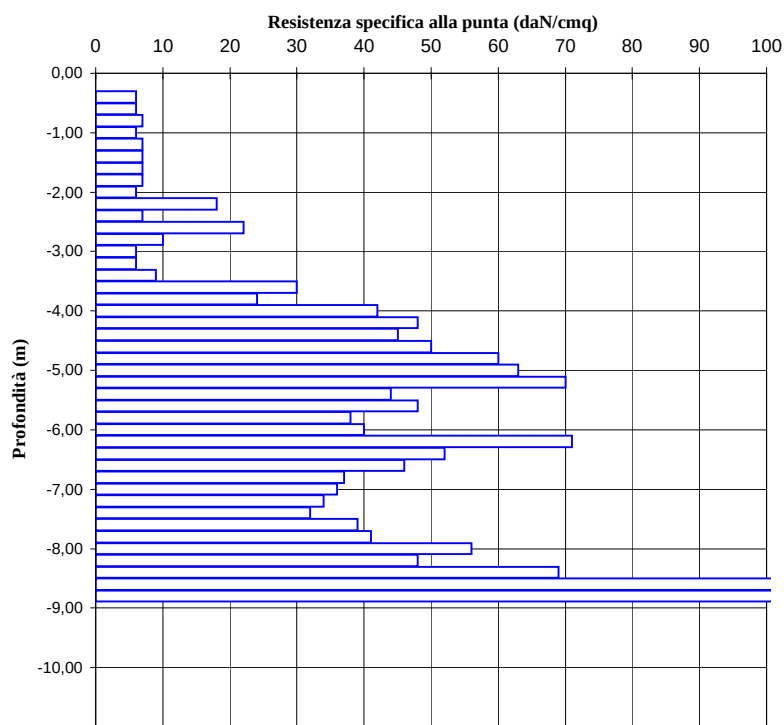
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STUDIO GEOLOGICO
DANIELE CALVI

Località: Via Lambrinia - Chignolo Po (PV)
Committente: IMMOBILIARE GI & VI s.r.l.

Data: 26/01/2005
Livello falda: -1,40 m dal p.c.

26/01/2005
-1,40 m dal p.c.



Quota	Rp	Rp+Rm	Rp/Rl	Quota	Rp	Rp+Rm	Rp/Rl
0,00			####	-9,20			
-0,20			####	-9,40			
-0,40	6	12	15	-9,60			
-0,60	6	9	30	-9,80			
-0,80	7	9	53	-10,00			
-1,00	6	8	45				
-1,20	7	10	35				
-1,40	7	9	53				
-1,60	7	10	35				
-1,80	7	10	35				
-2,00	6	9	30				
-2,20	18	21	90				
-2,40	7	11	26				
-2,60	22	5	-19				
-2,80	10	12	75				
-3,00	6	9	30				
-3,20	6	12	15				
-3,40	9	13	34				
-3,60	30	46	28				
-3,80	24	39	24				
-4,00	42	68	24				
-4,20	48	57	80				
-4,40	45	55	68				
-4,60	50	61	68				
-4,80	60	87	33				
-5,00	63	72	105				
-5,20	70	86	66				
-5,40	44	60	41				
-5,60	48	58	72				
-5,80	38	49	52				
-6,00	40	47	86				
-6,20	71	75	266				
-6,40	52	71	41				
-6,60	46	51	138				
-6,80	37	49	46				
-7,00	36	50	39				
-7,20	34	43	57				
-7,40	32	41	53				
-7,60	39	47	73				
-7,80	41	53	51				
-8,00	56	72	53				
-8,20	48	63	48				
-8,40	69	81	86				
-8,60	225	####	35				
-8,80	329	####	55				
-9,00							

Località San Mauro – Chignolo Po (PV)
Progetto di nuova sede di Primo Soccorso Sanitario

CPT 48

Strumento utilizzato... PAGANI TG 63 (200 kN)
Prova eseguita in data 18/07/2012
Profondità prova 9,80 metri
Falda acquifera Non presente (foro chiuso a -8,70 metri)

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	RIPORTO	RIPORTO	RIPORTO	RIPORTO	RIPORTO	RIPORTO
0,40	RIPORTO	RIPORTO	RIPORTO	RIPORTO	RIPORTO	RIPORTO
0,60	14,0	30,0	14,0	0,8	17,5	5,71
0,80	11,0	23,0	11,0	0,8	13,75	7,27
1,00	18,0	30,0	18,0	1,4	12,86	7,78
1,20	26,0	47,0	26,0	1,07	24,3	4,12
1,40	36,0	52,0	36,0	0,87	41,38	2,42
1,60	41,0	54,0	41,0	0,93	44,09	2,27
1,80	41,0	55,0	41,0	0,33	124,24	0,8
2,00	45,0	50,0	45,0	1,13	39,82	2,51
2,20	41,0	58,0	41,0	0,8	51,25	1,95
2,40	38,0	50,0	38,0	0,8	47,5	2,11
2,60	37,0	49,0	37,0	0,87	42,53	2,35
2,80	33,0	46,0	33,0	1,07	30,84	3,24
3,00	33,0	49,0	33,0	0,73	45,21	2,21
3,20	33,0	44,0	33,0	1,07	30,84	3,24
3,40	36,0	52,0	36,0	1,53	23,53	4,25
3,60	41,0	64,0	41,0	0,53	77,36	1,29
3,80	62,0	70,0	62,0	0,93	66,67	1,5
4,00	42,0	56,0	42,0	0,93	45,16	2,21
4,20	55,0	69,0	55,0	1,0	55,0	1,82
4,40	48,0	63,0	48,0	0,87	55,17	1,81
4,60	64,0	77,0	64,0	0,93	68,82	1,45
4,80	39,0	53,0	39,0	1,0	39,0	2,56
5,00	43,0	58,0	43,0	1,07	40,19	2,49
5,20	66,0	82,0	66,0	1,53	43,14	2,32
5,40	159,0	182,0	159,0	2,27	70,04	1,43
5,60	124,0	158,0	124,0	2,07	59,9	1,67
5,80	65,0	96,0	65,0	1,33	48,87	2,05
6,00	35,0	55,0	35,0	1,33	26,32	3,8
6,20	45,0	65,0	45,0	0,6	75,0	1,33
6,40	65,0	74,0	65,0	1,33	48,87	2,05
6,60	51,0	71,0	51,0	1,53	33,33	3,0
6,80	63,0	86,0	63,0	0,8	78,75	1,27
7,00	106,0	118,0	106,0	2,27	46,7	2,14
7,20	71,0	105,0	71,0	1,53	46,41	2,15
7,40	125,0	148,0	125,0	1,73	72,25	1,38
7,60	128,0	154,0	128,0	2,27	56,39	1,77
7,80	70,0	104,0	70,0	1,2	58,33	1,71
8,00	65,0	83,0	65,0	1,13	57,52	1,74
8,20	67,0	84,0	67,0	1,33	50,38	1,99
8,40	67,0	87,0	67,0	1,27	52,76	1,9
8,60	68,0	87,0	68,0	1,07	63,55	1,57
8,80	75,0	91,0	75,0	1,27	59,06	1,69
9,00	77,0	96,0	77,0	1,2	64,17	1,56
9,20	80,0	98,0	80,0	1,4	57,14	1,75
9,40	66,0	87,0	66,0	1,27	51,97	1,92
9,60	71,0	90,0	71,0	1,13	62,83	1,59
9,80	77,0	94,0	77,0	0,0		0,0

Località San Mauro – Chignolo Po (PV)
Progetto di nuova sede di Primo Soccorso Sanitario

CPT 49

Strumento utilizzato...	PAGANI TG 63 (200 kN)
Prova eseguita in data	18/07/2012
Profondità prova	9,80 metri
Falda acquifera	Non presente (foro chiuso a -7,40 metri)

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	RIPORTO	RIPORTO	RIPORTO	RIPORTO	RIPORTO	RIPORTO
0,40	RIPORTO	RIPORTO	RIPORTO	RIPORTO	RIPORTO	RIPORTO
0,60	25,0	39,0	25,0	1,07	23,36	4,28
0,80	17,0	33,0	17,0	0,33	51,52	1,94
1,00	28,0	33,0	28,0	0,07	400,0	0,25
1,20	29,0	30,0	29,0	1,13	25,66	3,9
1,40	28,0	45,0	28,0	1,2	23,33	4,29
1,60	36,0	54,0	36,0	1,07	33,64	2,97
1,80	46,0	62,0	46,0	1,0	46,0	2,17
2,00	44,0	59,0	44,0	0,93	47,31	2,11
2,20	44,0	58,0	44,0	0,93	47,31	2,11
2,40	46,0	60,0	46,0	0,87	52,87	1,89
2,60	45,0	58,0	45,0	0,93	48,39	2,07
2,80	37,0	51,0	37,0	0,67	55,22	1,81
3,00	33,0	43,0	33,0	0,67	49,25	2,03
3,20	33,0	43,0	33,0	0,6	55,0	1,82
3,40	41,0	50,0	41,0	0,8	51,25	1,95
3,60	36,0	48,0	36,0	0,73	49,32	2,03
3,80	50,0	61,0	50,0	0,4	125,0	0,8
4,00	92,0	98,0	92,0	1,67	55,09	1,82
4,20	57,0	82,0	57,0	1,0	57,0	1,75
4,40	38,0	53,0	38,0	1,0	38,0	2,63
4,60	55,0	70,0	55,0	1,07	51,4	1,95
4,80	34,0	50,0	34,0	0,67	50,75	1,97
5,00	51,0	61,0	51,0	1,27	40,16	2,49
5,20	35,0	54,0	35,0	2,53	13,83	7,23
5,40	58,0	96,0	58,0	1,87	31,02	3,22
5,60	57,0	85,0	57,0	1,53	37,25	2,68
5,80	85,0	108,0	85,0	1,07	79,44	1,26
6,00	64,0	80,0	64,0	1,4	45,71	2,19
6,20	45,0	66,0	45,0	1,27	35,43	2,82
6,40	46,0	65,0	46,0	1,0	46,0	2,17
6,60	46,0	61,0	46,0	1,0	46,0	2,17
6,80	66,0	81,0	66,0	1,73	38,15	2,62
7,00	97,0	123,0	97,0	1,27	76,38	1,31
7,20	154,0	173,0	154,0	3,47	44,38	2,25
7,40	84,0	136,0	84,0	2,8	30,0	3,33
7,60	88,0	130,0	88,0	2,4	36,67	2,73
7,80	110,0	146,0	110,0	3,13	35,14	2,85
8,00	51,0	98,0	51,0	1,2	42,5	2,35
8,20	77,0	95,0	77,0	1,67	46,11	2,17
8,40	85,0	110,0	85,0	0,73	116,44	0,86
8,60	79,0	90,0	79,0	1,6	49,38	2,03
8,80	93,0	117,0	93,0	0,6	155,0	0,65
9,00	117,0	126,0	117,0	1,47	79,59	1,26
9,20	100,0	122,0	100,0	1,2	83,33	1,2
9,40	90,0	108,0	90,0	1,07	84,11	1,19
9,60	77,0	93,0	77,0	1,47	52,38	1,91
9,80	60,0	82,0	60,0	0,0		0,0

VIA DON MARIO SBARSI, LAMBRINIA – CHIGNOLO PO (PV)
Progetto di costruzione di nuovo impianto di essiccazione

CPT 50

Strumento utilizzato... PAGANI TG 63 (200 kN)
Prova eseguita in data 14/02/2011
Profondità prova 9,80 mt
Falda Nr. 1: non presente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,53	0,0	
0,40	13,0	21,0	13,0	0,2	65,0	1,54
0,60	24,0	27,0	24,0	0,73	32,88	3,04
0,80	23,0	34,0	23,0	0,6	38,33	2,61
1,00	39,0	48,0	39,0	0,73	53,42	1,87
1,20	49,0	60,0	49,0	1,07	45,79	2,18
1,40	51,0	67,0	51,0	1,27	40,16	2,49
1,60	51,0	70,0	51,0	1,13	45,13	2,22
1,80	54,0	71,0	54,0	0,8	67,5	1,48
2,00	56,0	68,0	56,0	1,33	42,11	2,38
2,20	58,0	78,0	58,0	2,13	27,23	3,67
2,40	64,0	96,0	64,0	0,93	68,82	1,45
2,60	59,0	73,0	59,0	0,6	98,33	1,02
2,80	47,0	56,0	47,0	0,8	58,75	1,7
3,00	48,0	60,0	48,0	1,13	42,48	2,35
3,20	43,0	60,0	43,0	0,93	46,24	2,16
3,40	50,0	64,0	50,0	1,2	41,67	2,4
3,60	55,0	73,0	55,0	0,93	59,14	1,69
3,80	67,0	81,0	67,0	0,93	72,04	1,39
4,00	44,0	58,0	44,0	1,07	41,12	2,43
4,20	63,0	79,0	63,0	1,87	33,69	2,97
4,40	65,0	93,0	65,0	2,33	27,9	3,58
4,60	55,0	90,0	55,0	0,87	63,22	1,58
4,80	78,0	91,0	78,0	1,27	61,42	1,63
5,00	86,0	105,0	86,0	1,33	64,66	1,55
5,20	73,0	93,0	73,0	1,4	52,14	1,92
5,40	52,0	73,0	52,0	1,0	52,0	1,92
5,60	55,0	70,0	55,0	0,4	137,5	0,73
5,80	49,0	55,0	49,0	0,53	92,45	1,08
6,00	47,0	55,0	47,0	1,07	43,93	2,28
6,20	39,0	55,0	39,0	0,8	48,75	2,05
6,40	40,0	52,0	40,0	1,0	40,0	2,5
6,60	67,0	82,0	67,0	1,2	55,83	1,79
6,80	78,0	96,0	78,0	1,6	48,75	2,05
7,00	76,0	100,0	76,0	1,8	42,22	2,37
7,20	91,0	118,0	91,0	2,13	42,72	2,34
7,40	101,0	133,0	101,0	1,87	54,01	1,85
7,60	100,0	128,0	100,0	1,27	78,74	1,27
7,80	74,0	93,0	74,0	0,67	110,45	0,91
8,00	99,0	109,0	99,0	2,07	47,83	2,09
8,20	159,0	190,0	159,0	1,53	103,92	0,96
8,40	197,0	220,0	197,0	3,93	50,13	1,99
8,60	137,0	196,0	137,0	2,07	66,18	1,51
8,80	144,0	175,0	144,0	1,8	80,0	1,25
9,00	121,0	148,0	121,0	0,33	366,67	0,27
9,20	109,0	114,0	109,0	2,47	44,13	2,27
9,40	137,0	174,0	137,0	2,27	60,35	1,66
9,60	154,0	188,0	154,0	1,33	115,79	0,86
9,80	132,0	152,0	132,0	0,0		0,0

VIA DON MARIO SBARSI, LAMBRINIA – CHIGNOLO PO (PV)
Progetto di costruzione di nuovo impianto di essiccazione

CPT 51

Strumento utilizzato... PAGANI TG 63 (200 kN)
Prova eseguita in data 14/02/2011
Profondità prova 9,80 mt
Falda Nr. 1: non presente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	1,07	0,0	
0,40	33,0	49,0	33,0	0,6	55,0	1,82
0,60	36,0	45,0	36,0	0,73	49,32	2,03
0,80	38,0	49,0	38,0	0,8	47,5	2,11
1,00	37,0	49,0	37,0	0,73	50,68	1,97
1,20	43,0	54,0	43,0	0,87	49,43	2,02
1,40	50,0	63,0	50,0	0,8	62,5	1,6
1,60	55,0	67,0	55,0	0,4	137,5	0,73
1,80	55,0	61,0	55,0	1,4	39,29	2,55
2,00	45,0	66,0	45,0	0,73	61,64	1,62
2,20	47,0	58,0	47,0	0,67	70,15	1,43
2,40	53,0	63,0	53,0	0,93	56,99	1,75
2,60	56,0	70,0	56,0	0,73	76,71	1,3
2,80	58,0	69,0	58,0	1,0	58,0	1,72
3,00	39,0	54,0	39,0	0,93	41,94	2,38
3,20	49,0	63,0	49,0	0,93	52,69	1,9
3,40	53,0	67,0	53,0	1,27	41,73	2,4
3,60	48,0	67,0	48,0	0,73	65,75	1,52
3,80	38,0	49,0	38,0	0,87	43,68	2,29
4,00	43,0	56,0	43,0	0,87	49,43	2,02
4,20	74,0	87,0	74,0	1,53	48,37	2,07
4,40	54,0	77,0	54,0	0,93	58,06	1,72
4,60	53,0	67,0	53,0	1,33	39,85	2,51
4,80	43,0	63,0	43,0	0,8	53,75	1,86
5,00	43,0	55,0	43,0	0,73	58,9	1,7
5,20	38,0	49,0	38,0	0,8	47,5	2,11
5,40	32,0	44,0	32,0	0,53	60,38	1,66
5,60	28,0	36,0	28,0	0,6	46,67	2,14
5,80	28,0	37,0	28,0	0,93	30,11	3,32
6,00	35,0	49,0	35,0	0,8	43,75	2,29
6,20	42,0	54,0	42,0	0,73	57,53	1,74
6,40	44,0	55,0	44,0	1,07	41,12	2,43
6,60	62,0	78,0	62,0	1,6	38,75	2,58
6,80	83,0	107,0	83,0	2,73	30,4	3,29
7,00	36,0	77,0	36,0	1,53	23,53	4,25
7,20	93,0	116,0	93,0	1,07	86,92	1,15
7,40	90,0	106,0	90,0	1,2	75,0	1,33
7,60	55,0	73,0	55,0	1,27	43,31	2,31
7,80	52,0	71,0	52,0	1,0	52,0	1,92
8,00	66,0	81,0	66,0	1,2	55,0	1,82
8,20	48,0	66,0	48,0	1,13	42,48	2,35
8,40	27,0	44,0	27,0	0,67	40,3	2,48
8,60	20,0	30,0	20,0	0,07	285,71	0,35
8,80	35,0	36,0	35,0	0,4	87,5	1,14
9,00	38,0	44,0	38,0	0,27	140,74	0,71
9,20	37,0	41,0	37,0	0,73	50,68	1,97
9,40	58,0	69,0	58,0	1,67	34,73	2,88
9,60	77,0	102,0	77,0	1,07	71,96	1,39
9,80	65,0	81,0	65,0	0,0		0,0

VIA DON MARIO SBARSI, LAMBRINIA – CHIGNOLO PO (PV)
Progetto di costruzione di nuovo impianto di essiccazione

CPT 52

Strumento utilizzato... PAGANI TG 63 (200 kN)
Prova eseguita in data 14/02/2011
Profondità prova 9,80 mt
Falda Nr. 1: non presente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,2	0,0	
0,40	21,0	24,0	21,0	0,47	44,68	2,24
0,60	14,0	21,0	14,0	0,6	23,33	4,29
0,80	8,0	17,0	8,0	0,53	15,09	6,63
1,00	8,0	16,0	8,0	0,6	13,33	7,5
1,20	9,0	18,0	9,0	0,8	11,25	8,89
1,40	14,0	26,0	14,0	0,87	16,09	6,21
1,60	33,0	46,0	33,0	1,13	29,2	3,42
1,80	64,0	81,0	64,0	2,07	30,92	3,23
2,00	71,0	102,0	71,0	1,4	50,71	1,97
2,20	87,0	108,0	87,0	1,4	62,14	1,61
2,40	98,0	119,0	98,0	1,4	70,0	1,43
2,60	110,0	131,0	110,0	1,73	63,58	1,57
2,80	86,0	112,0	86,0	2,13	40,38	2,48
3,00	64,0	96,0	64,0	1,13	56,64	1,77
3,20	56,0	73,0	56,0	1,33	42,11	2,38
3,40	54,0	74,0	54,0	1,27	42,52	2,35
3,60	48,0	67,0	48,0	0,87	55,17	1,81
3,80	64,0	77,0	64,0	1,33	48,12	2,08
4,00	63,0	83,0	63,0	1,53	41,18	2,43
4,20	51,0	74,0	51,0	1,2	42,5	2,35
4,40	46,0	64,0	46,0	0,73	63,01	1,59
4,60	42,0	53,0	42,0	0,8	52,5	1,9
4,80	35,0	47,0	35,0	0,47	74,47	1,34
5,00	47,0	54,0	47,0	0,93	50,54	1,98
5,20	47,0	61,0	47,0	1,13	41,59	2,4
5,40	54,0	71,0	54,0	0,67	80,6	1,24
5,60	67,0	77,0	67,0	1,2	55,83	1,79
5,80	59,0	77,0	59,0	1,2	49,17	2,03
6,00	85,0	103,0	85,0	1,53	55,56	1,8
6,20	83,0	106,0	83,0	0,73	113,7	0,88
6,40	95,0	106,0	95,0	1,67	56,89	1,76
6,60	71,0	96,0	71,0	1,4	50,71	1,97
6,80	77,0	98,0	77,0	0,93	82,8	1,21
7,00	62,0	76,0	62,0	1,27	48,82	2,05
7,20	42,0	61,0	42,0	2,07	20,29	4,93
7,40	45,0	76,0	45,0	-1,07	-42,06	-2,38
7,60	64,0	48,0	64,0	1,27	50,39	1,98
7,80	34,0	53,0	34,0	1,73	19,65	5,09
8,00	61,0	87,0	61,0	1,73	35,26	2,84
8,20	42,0	68,0	42,0	1,47	28,57	3,5
8,40	77,0	99,0	77,0	2,0	38,5	2,6
8,60	144,0	174,0	144,0	2,0	72,0	1,39
8,80	170,0	200,0	170,0	1,67	101,8	0,98
9,00	166,0	191,0	166,0	1,93	86,01	1,16
9,20	143,0	172,0	143,0	1,8	79,44	1,26
9,40	110,0	137,0	110,0	3,07	35,83	2,79
9,60	127,0	173,0	127,0	1,27	100,0	1,0
9,80	112,0	131,0	112,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di costruzione di n°3 case unifamiliari abbinate

CPT 53

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 13/12/2006
Profondità prova 5,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,467	0,0	
0,40	15,0	22,0	15,0	0,667	22,49	4,45
0,60	18,0	28,0	18,0	0,133	135,34	0,74
0,80	19,0	21,0	19,0	0,467	40,69	2,46
1,00	27,0	34,0	27,0	1,333	20,26	4,94
1,20	34,0	54,0	34,0	-0,467	-72,81	-1,37
1,40	48,0	41,0	48,0	0,467	102,78	0,97
1,60	24,0	31,0	24,0	0,733	32,74	3,05
1,80	30,0	41,0	30,0	0,867	34,6	2,89
2,00	32,0	45,0	32,0	0,333	96,1	1,04
2,20	22,0	27,0	22,0	0,267	82,4	1,21
2,40	38,0	42,0	38,0	0,333	114,11	0,88
2,60	38,0	43,0	38,0	0,2	190,0	0,53
2,80	35,0	38,0	35,0	0,6	58,33	1,71
3,00	41,0	50,0	41,0	0,733	55,93	1,79
3,20	42,0	53,0	42,0	0,467	89,94	1,11
3,40	18,0	25,0	18,0	0,867	20,76	4,82
3,60	37,0	50,0	37,0	0,533	69,42	1,44
3,80	39,0	47,0	39,0	1,533	25,44	3,93
4,00	42,0	65,0	42,0	1,4	30,0	3,33
4,20	44,0	65,0	44,0	1,0	44,0	2,27
4,40	50,0	65,0	50,0	0,8	62,5	1,6
4,60	44,0	56,0	44,0	0,933	47,16	2,12
4,80	41,0	55,0	41,0	0,867	47,29	2,11
5,00	40,0	53,0	40,0	1,133	35,3	2,83
5,20	36,0	53,0	36,0	1,333	27,01	3,7
5,40	41,0	61,0	41,0	1,133	36,19	2,76
5,60	45,0	62,0	45,0	1,333	33,76	2,96
5,80	50,0	70,0	50,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di costruzione di n°3 case unifamiliari abbinate

CPT 54

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 13/12/2006
Profondità prova 5,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,467	0,0	
0,40	4,0	11,0	4,0	0,467	8,57	11,68
0,60	7,0	14,0	7,0	0,8	8,75	11,43
0,80	21,0	33,0	21,0	0,667	31,48	3,18
1,00	28,0	38,0	28,0	0,867	32,3	3,1
1,20	26,0	39,0	26,0	1,333	19,5	5,13
1,40	33,0	53,0	33,0	1,2	27,5	3,64
1,60	40,0	58,0	40,0	1,0	40,0	2,5
1,80	46,0	61,0	46,0	1,133	40,6	2,46
2,00	43,0	60,0	43,0	0,933	46,09	2,17
2,20	24,0	38,0	24,0	1,0	24,0	4,17
2,40	21,0	36,0	21,0	0,933	22,51	4,44
2,60	24,0	38,0	24,0	0,533	45,03	2,22
2,80	48,0	56,0	48,0	1,533	31,31	3,19
3,00	38,0	61,0	38,0	1,733	21,93	4,56
3,20	31,0	57,0	31,0	1,4	22,14	4,52
3,40	36,0	57,0	36,0	1,267	28,41	3,52
3,60	30,0	49,0	30,0	1,067	28,12	3,56
3,80	27,0	43,0	27,0	1,0	27,0	3,7
4,00	35,0	50,0	35,0	1,8	19,44	5,14
4,20	50,0	77,0	50,0	0,933	53,59	1,87
4,40	57,0	71,0	57,0	1,2	47,5	2,11
4,60	55,0	73,0	55,0	1,267	43,41	2,3
4,80	61,0	80,0	61,0	1,0	61,0	1,64
5,00	43,0	58,0	43,0	1,333	32,26	3,1
5,20	39,0	59,0	39,0	1,4	27,86	3,59
5,40	42,0	63,0	42,0	1,2	35,0	2,86
5,60	46,0	64,0	46,0	1,2667	36,31	2,75
5,80	50,0	69,0	50,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di costruzione di n°3 case unifamiliari abbinate

CPT 55

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 13/12/2006
Profondità prova 5,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	1,267	0,0	
0,40	28,0	47,0	28,0	0,6	46,67	2,14
0,60	15,0	24,0	15,0	0,6	25,0	4,0
0,80	22,0	31,0	22,0	0,933	23,58	4,24
1,00	29,0	43,0	29,0	1,467	19,77	5,06
1,20	37,0	59,0	37,0	1,067	34,68	2,88
1,40	46,0	62,0	46,0	1,467	31,36	3,19
1,60	42,0	64,0	42,0	1,0	42,0	2,38
1,80	37,0	52,0	37,0	1,067	34,68	2,88
2,00	37,0	53,0	37,0	0,8	46,25	2,16
2,20	36,0	48,0	36,0	0,733	49,11	2,04
2,40	34,0	45,0	34,0	0,533	63,79	1,57
2,60	32,0	40,0	32,0	0,8	40,0	2,5
2,80	29,0	41,0	29,0	0,8	36,25	2,76
3,00	36,0	48,0	36,0	0,867	41,52	2,41
3,20	31,0	44,0	31,0	0,667	46,48	2,15
3,40	33,0	43,0	33,0	0,733	45,02	2,22
3,60	33,0	44,0	33,0	0,333	99,1	1,01
3,80	28,0	33,0	28,0	0,533	52,53	1,9
4,00	33,0	41,0	33,0	1,067	30,93	3,23
4,20	53,0	69,0	53,0	1,333	39,76	2,52
4,40	53,0	73,0	53,0	0,733	72,31	1,38
4,60	55,0	66,0	55,0	0,733	75,03	1,33
4,80	63,0	74,0	63,0	0,8	78,75	1,27
5,00	36,0	48,0	36,0	0,933	38,59	2,59
5,20	33,0	47,0	33,0	1,267	26,05	3,84
5,40	41,0	60,0	41,0	1,067	38,43	2,6
5,60	43,0	59,0	43,0	1,267	33,94	2,95
5,80	51,0	70,0	51,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)
Progetto di costruzione di n°3 case unifamiliari abbinate

CPT 56

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 13/12/2006
Profondità prova 5,80 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,267	0,0	
0,40	12,0	16,0	12,0	0,733	16,37	6,11
0,60	15,0	26,0	15,0	0,8	18,75	5,33
0,80	30,0	42,0	30,0	1,2	25,0	4,0
1,00	33,0	51,0	33,0	1,133	29,13	3,43
1,20	41,0	58,0	41,0	0,933	43,94	2,28
1,40	35,0	49,0	35,0	0,733	47,75	2,09
1,60	31,0	42,0	31,0	0,6	51,67	1,94
1,80	29,0	38,0	29,0	0,733	39,56	2,53
2,00	27,0	38,0	27,0	0,6	45,0	2,22
2,20	25,0	34,0	25,0	0,6	41,67	2,4
2,40	23,0	32,0	23,0	0,533	43,15	2,32
2,60	26,0	34,0	26,0	0,933	27,87	3,59
2,80	20,0	34,0	20,0	1,0	20,0	5,0
3,00	29,0	44,0	29,0	0,867	33,45	2,99
3,20	27,0	40,0	27,0	1,0	27,0	3,7
3,40	31,0	46,0	31,0	1,133	27,36	3,65
3,60	41,0	58,0	41,0	1,133	36,19	2,76
3,80	45,0	62,0	45,0	0,933	48,23	2,07
4,00	60,0	74,0	60,0	1,133	52,96	1,89
4,20	45,0	62,0	45,0	1,4	32,14	3,11
4,40	66,0	87,0	66,0	0,8	82,5	1,21
4,60	68,0	80,0	68,0	1,133	60,02	1,67
4,80	68,0	85,0	68,0	1,2	56,67	1,76
5,00	50,0	68,0	50,0	1,667	29,99	3,33
5,20	45,0	70,0	45,0	1,533	29,35	3,41
5,40	42,0	65,0	42,0	1,333	31,51	3,17
5,60	49,0	69,0	49,0	1,333	36,76	2,72
5,80	48,0	68,0	48,0	0,0		0,0

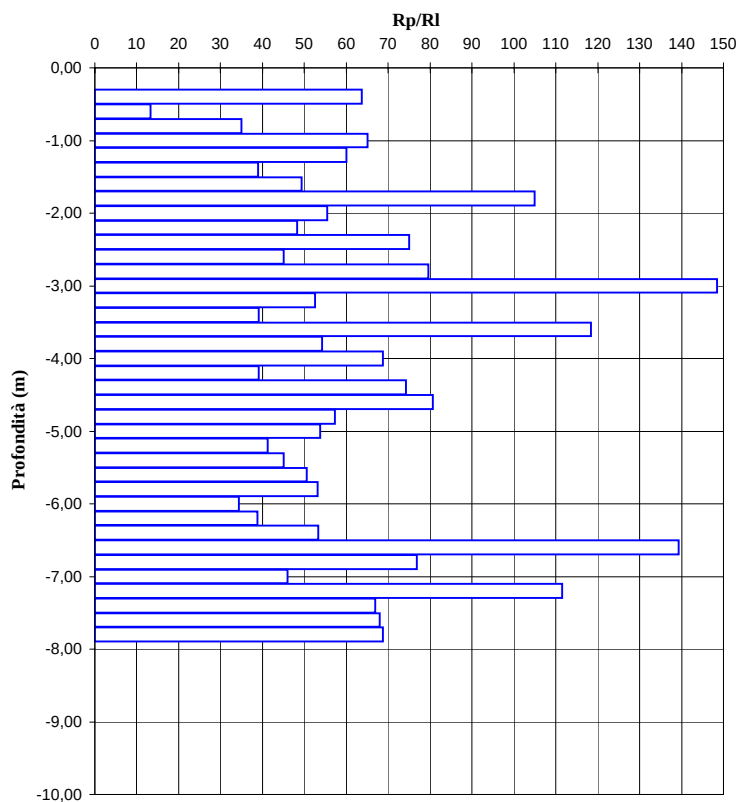
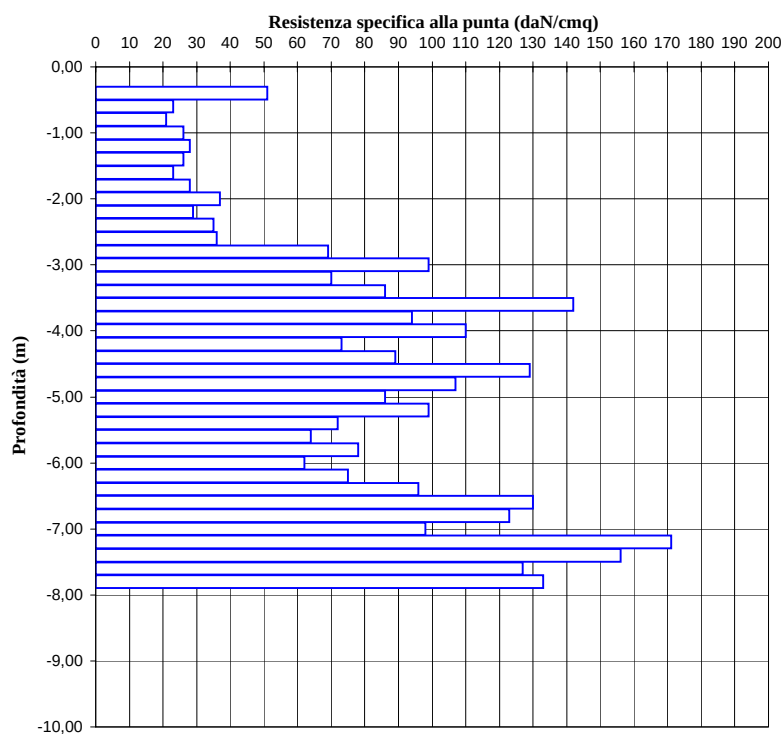
Prova penetrometrica statica n.

57

Località: **Lambrinia - Chignolo Po**
Committente: **B.A. Costruzioni**

Data:
Livello falda

11/02/2005
N.P.



Quota	Rp	Rp+Rm	Rp/Rl	Quota	Rp	Rp+Rm	Rp/Rl
0,00			####	-9,20			
-0,20			####	-9,40			
-0,40	51	63	64	-9,60			
-0,60	23	49	13	-9,80			
-0,80	21	30	35	-10,00			
-1,00	26	32	65				
-1,20	28	35	60				
-1,40	26	36	39				
-1,60	23	30	49				
-1,80	28	32	105				
-2,00	37	47	56				
-2,20	29	38	48				
-2,40	35	42	75				
-2,60	36	48	45				
-2,80	69	82	80				
-3,00	99	109	149				
-3,20	70	90	53				
-3,40	86	119	39				
-3,60	142	160	118				
-3,80	94	120	54				
-4,00	110	134	69				
-4,20	73	101	39				
-4,40	89	107	74				
-4,60	129	153	81				
-4,80	107	135	57				
-5,00	86	110	54				
-5,20	99	135	41				
-5,40	72	96	45				
-5,60	64	83	51				
-5,80	78	100	53				
-6,00	62	89	34				
-6,20	75	104	39				
-6,40	96	123	53				
-6,60	130	144	139				
-6,80	123	147	77				
-7,00	98	130	46				
-7,20	171	194	112				
-7,40	156	191	67				
-7,60	127	155	68				
-7,80	133	162	69				
-8,00							
-8,20							
-8,40							
-8,60							
-8,80							
-9,00							

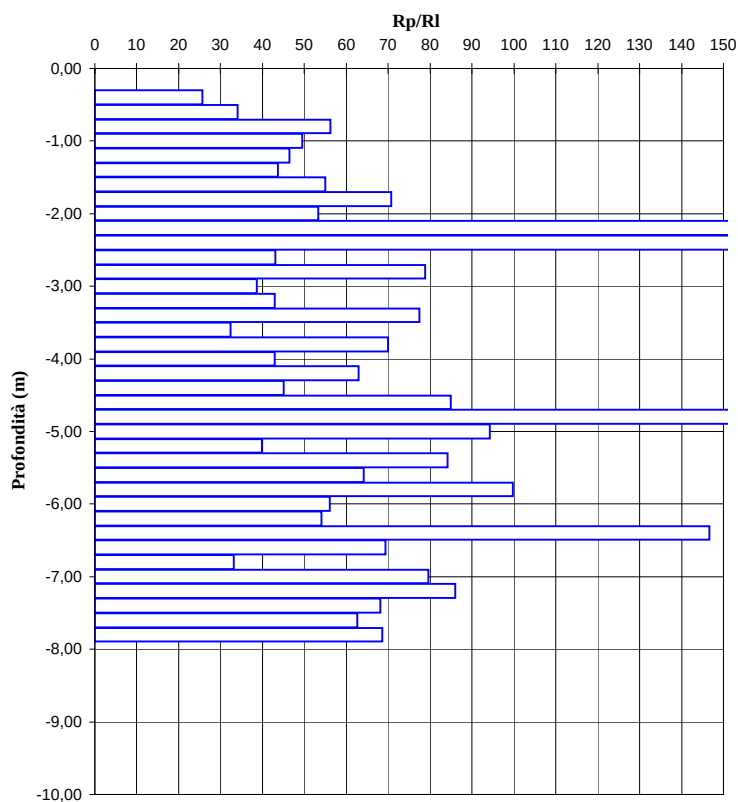
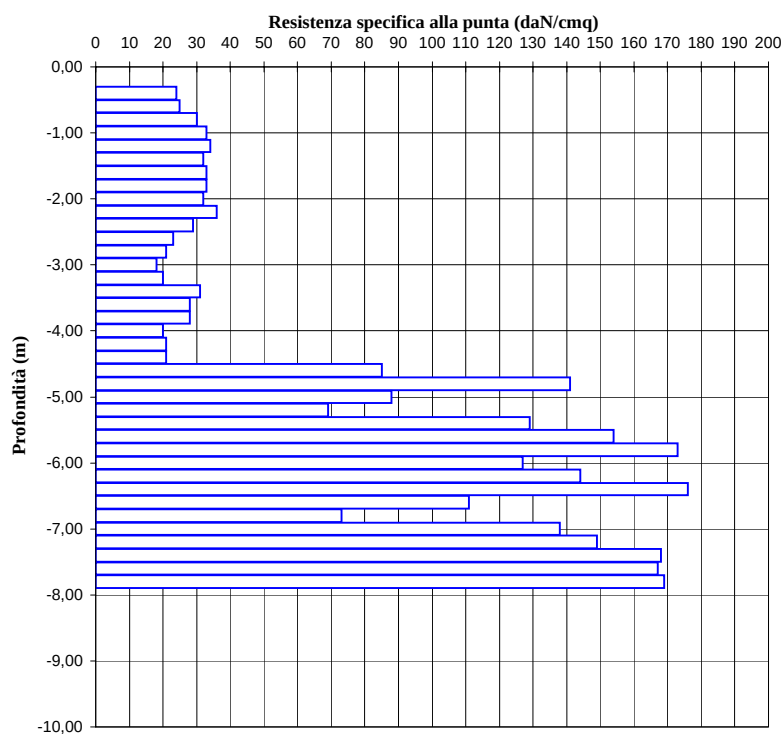
Prova penetrometrica statica n.

58

Località: **Lambrinia - Chignolo Po**
Committente: **B.A. Costruzioni**

Data:
Livello falda

11/02/2005
N.P.



Quota	Rp	Rp+R _m	Rp/Rl	Quota	Rp	Rp+R _m	Rp/Rl
0,00			####	-9,20			
-0,20			####	-9,40			
-0,40	24	38	26	-9,60			
-0,60	25	36	34	-9,80			
-0,80	30	38	56	-10,00			
-1,00	33	43	50				
-1,20	34	45	46				
-1,40	32	43	44				
-1,60	33	42	55				
-1,80	33	40	71				
-2,00	32	41	53				
-2,20	36	38	270				
-2,40	29	31	218				
-2,60	23	31	43				
-2,80	21	25	79				
-3,00	18	25	39				
-3,20	20	27	43				
-3,40	31	37	78				
-3,60	28	41	32				
-3,80	28	34	70				
-4,00	20	27	43				
-4,20	21	26	63				
-4,40	21	28	45				
-4,60	85	100	85				
-4,80	141	153	176				
-5,00	88	102	94				
-5,20	69	95	40				
-5,40	129	152	84				
-5,60	154	190	64				
-5,80	173	199	100				
-6,00	127	161	56				
-6,20	144	184	54				
-6,40	176	194	147				
-6,60	111	135	69				
-6,80	73	106	33				
-7,00	138	164	80				
-7,20	149	175	86				
-7,40	168	205	68				
-7,60	167	207	63				
-7,80	169	206	69				
-8,00							
-8,20							
-8,40							
-8,60							
-8,80							
-9,00							

COMUNE DI CHIGNOLO PO (PV)
Piano di Lottizzazione "La Colomba" in località Lambrinia

CPT 59

Strumento utilizzato... PAGANI 100 kN
Prova eseguita in data 24/07/2007
Profondità prova 7,60 mt
Falda assente

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,20	0,0	0,0	0,0	0,6	0,0	
0,40	81,0	90,0	81,0	1,333	60,77	1,65
0,60	62,0	82,0	62,0	3,267	18,98	5,27
0,80	71,0	120,0	71,0	3,2	22,19	4,51
1,00	98,0	146,0	98,0	3,4	28,82	3,47
1,20	93,0	144,0	93,0	1,2	77,5	1,29
1,40	70,0	88,0	70,0	1,2	58,33	1,71
1,60	43,0	61,0	43,0	0,933	46,09	2,17
1,80	31,0	45,0	31,0	0,8	38,75	2,58
2,00	31,0	43,0	31,0	0,533	58,16	1,72
2,20	29,0	37,0	29,0	0,467	62,1	1,61
2,40	20,0	27,0	20,0	1,2	16,67	6,0
2,60	50,0	68,0	50,0	0,933	53,59	1,87
2,80	95,0	109,0	95,0	1,6	59,38	1,68
3,00	105,0	129,0	105,0	2,533	41,45	2,41
3,20	93,0	131,0	93,0	1,533	60,67	1,65
3,40	172,0	195,0	172,0	1,8	95,56	1,05
3,60	90,0	117,0	90,0	1,8	50,0	2,0
3,80	102,0	129,0	102,0	2,0	51,0	1,96
4,00	75,0	105,0	75,0	1,067	70,29	1,42
4,20	137,0	153,0	137,0	2,267	60,43	1,65
4,40	85,0	119,0	85,0	1,933	43,97	2,27
4,60	129,0	158,0	129,0	1,6	80,63	1,24
4,80	85,0	109,0	85,0	1,733	49,05	2,04
5,00	115,0	141,0	115,0	1,867	61,6	1,62
5,20	150,0	178,0	150,0	2,2	68,18	1,47
5,40	125,0	158,0	125,0	2,533	49,35	2,03
5,60	110,0	148,0	110,0	4,667	23,57	4,24
5,80	35,0	105,0	35,0	1,133	30,89	3,24
6,00	42,0	59,0	42,0	1,733	24,24	4,13
6,20	69,0	95,0	69,0	0,733	94,13	1,06
6,40	142,0	153,0	142,0	2,6	54,62	1,83
6,60	121,0	160,0	121,0	2,467	49,05	2,04
6,80	130,0	167,0	130,0	2,2	59,09	1,69
7,00	138,0	171,0	138,0	2,467	55,94	1,79
7,20	175,0	212,0	175,0	2,4	72,92	1,37
7,40	185,0	221,0	185,0	3,0	61,67	1,62
7,60	146,0	191,0	146,0	0,0		0,0

COMUNE DI CHIGNOLO PO (PV)

Studio geologico - tecnico territoriale a supporto del P.G.T.

Relazione sulle indagini geognostiche eseguite in corrispondenza del territorio comunale – Stratigrafie pozzi per acqua

PROVE PENETROMETRICHE DINAMICHE

“Dynamic Continuous Penetration Test”

CON AVANZAMENTO DI 30 CENTIMETRI

D.C.P.T.₃₀ 01 - 08

COMUNE DI CHIGNOLO PO (PV)
Piano di Lottizzazione "La Colomba" in località Lambrinia

SCPT 01

Strumento utilizzato... SCPT (Standard Cone Penetration Test)
Prova eseguita in data 24/07/2007
Profondità prova 6,90 mt
Falda assente

Profondità (m)	Nr. Colpi	Calcolo coeff. riduzione sonda Chi	Res. dinamica ridotta (Kg/cm ²)	Res. dinamica (Kg/cm ²)	Pres. ammissibile con riduzione Herminier - Olandesi (Kg/cm ²)	Pres. ammissibile Herminier - Olandesi (Kg/cm ²)
0,30	8	0,853	52,42	61,48	2,62	3,07
0,60	11	0,847	71,60	84,53	3,58	4,23
0,90	12	0,842	71,73	85,24	3,59	4,26
1,20	12	0,836	71,28	85,24	3,56	4,26
1,50	7	0,831	41,33	49,72	2,07	2,49
1,80	4	0,826	23,48	28,41	1,17	1,42
2,10	4	0,822	21,70	26,41	1,09	1,32
2,40	8	0,817	43,17	52,83	2,16	2,64
2,70	8	0,813	42,94	52,83	2,15	2,64
3,00	9	0,809	44,90	55,52	2,25	2,78
3,30	14	0,755	65,18	86,37	3,26	4,32
3,60	11	0,801	54,35	67,86	2,72	3,39
3,90	13	0,747	56,23	75,25	2,81	3,76
4,20	11	0,794	50,54	63,68	2,53	3,18
4,50	10	0,790	45,75	57,89	2,29	2,89
4,80	10	0,787	45,56	57,89	2,28	2,89
5,10	9	0,784	38,47	49,07	1,92	2,45
5,40	13	0,731	51,82	70,88	2,59	3,54
5,70	10	0,778	42,43	54,53	2,12	2,73
6,00	10	0,775	39,96	51,53	2,00	2,58
6,30	12	0,773	47,79	61,84	2,39	3,09
6,60	13	0,720	48,26	66,99	2,41	3,35
6,90	15	0,718	52,61	73,27	2,63	3,66

COMUNE DI CHIGNOLO PO (PV)
Piano di Lottizzazione "La Colomba" in località Lambrinia

SCPT 02

Strumento utilizzato... SCPT (Standard Cone Penetration Test)
Prova eseguita in data 24/07/2007
Profondità prova 6,90 mt
Falda assente

Profondità (m)	Nr. Colpi	Calcolo coeff. riduzione sonda Chi	Res. dinamica ridotta (Kg/cm ²)	Res. dinamica (Kg/cm ²)	Pres. ammissibile con riduzione Herminier - Olandesi (Kg/cm ²)	Pres. ammissibile Herminier - Olandesi (Kg/cm ²)
0,30	6	0,853	39,32	46,11	1,97	2,31
0,60	11	0,847	71,60	84,53	3,58	4,23
0,90	11	0,842	65,75	78,13	3,29	3,91
1,20	11	0,836	65,34	78,13	3,27	3,91
1,50	5	0,831	29,52	35,52	1,48	1,78
1,80	4	0,826	23,48	28,41	1,17	1,42
2,10	4	0,822	21,70	26,41	1,09	1,32
2,40	4	0,817	21,58	26,41	1,08	1,32
2,70	7	0,813	37,57	46,22	1,88	2,31
3,00	9	0,809	44,90	55,52	2,25	2,78
3,30	9	0,805	44,68	55,52	2,23	2,78
3,60	12	0,801	59,29	74,03	2,96	3,70
3,90	12	0,797	55,38	69,47	2,77	3,47
4,20	8	0,794	36,76	46,31	1,84	2,32
4,50	9	0,790	41,18	52,10	2,06	2,60
4,80	9	0,787	41,01	52,10	2,05	2,60
5,10	10	0,784	42,75	54,53	2,14	2,73
5,40	8	0,781	34,07	43,62	1,70	2,18
5,70	12	0,778	50,92	65,43	2,55	3,27
6,00	13	0,725	48,60	66,99	2,43	3,35
6,30	12	0,773	47,79	61,84	2,39	3,09
6,60	13	0,720	48,26	66,99	2,41	3,35
6,90	16	0,718	56,12	78,16	2,81	3,91

COMUNE DI CHIGNOLO PO (PV)
Piano di Lottizzazione "La Colomba" in località Lambrinia

SCPT 03

Strumento utilizzato... SCPT (Standard Cone Penetration Test)
Prova eseguita in data 24/07/2007
Profondità prova 6,90 mt
Falda assente

Profondità (m)	Nr. Colpi	Calcolo coeff. riduzione sonda Chi	Res. dinamica ridotta (Kg/cm ²)	Res. dinamica (Kg/cm ²)	Pres. ammissibile con riduzione Herminier - Olandesi (Kg/cm ²)	Pres. ammissibile Herminier - Olandesi (Kg/cm ²)
0,30	8	0,853	52,42	61,48	2,62	3,07
0,60	11	0,847	71,60	84,53	3,58	4,23
0,90	10	0,842	59,77	71,03	2,99	3,55
1,20	15	0,786	83,77	106,55	4,19	5,33
1,50	5	0,831	29,52	35,52	1,48	1,78
1,80	4	0,826	23,48	28,41	1,17	1,42
2,10	3	0,822	16,28	19,81	0,81	0,99
2,40	6	0,817	32,38	39,62	1,62	1,98
2,70	7	0,813	37,57	46,22	1,88	2,31
3,00	7	0,809	34,92	43,19	1,75	2,16
3,30	8	0,805	39,72	49,35	1,99	2,47
3,60	7	0,801	34,59	43,19	1,73	2,16
3,90	9	0,797	41,53	52,10	2,08	2,60
4,20	9	0,794	41,35	52,10	2,07	2,60
4,50	12	0,790	54,90	69,47	2,75	3,47
4,80	9	0,787	41,01	52,10	2,05	2,60
5,10	8	0,784	34,20	43,62	1,71	2,18
5,40	9	0,781	38,33	49,07	1,92	2,45
5,70	13	0,728	51,62	70,88	2,58	3,54
6,00	10	0,775	39,96	51,53	2,00	2,58
6,30	11	0,773	43,81	56,69	2,19	2,83
6,60	12	0,770	47,64	61,84	2,38	3,09
6,90	13	0,718	45,59	63,50	2,28	3,18

COMUNE DI CHIGNOLO PO (PV)
Piano di Lottizzazione "La Colomba" in località Lambrinia

SCPT 04

Strumento utilizzato... SCPT (Standard Cone Penetration Test)
Prova eseguita in data 24/07/2007
Profondità prova 6,90 mt
Falda assente

Profondità (m)	Nr. Colpi	Calcolo coeff. riduzione sonda Chi	Res. dinamica ridotta (Kg/cm ²)	Res. dinamica (Kg/cm ²)	Pres. ammissibile con riduzione Herminier - Olandesi (Kg/cm ²)	Pres. ammissibile Herminier - Olandesi (Kg/cm ²)
0,30	10	0,853	65,53	76,85	3,28	3,84
0,60	14	0,797	85,75	107,58	4,29	5,38
0,90	16	0,792	89,96	113,65	4,50	5,68
1,20	12	0,836	71,28	85,24	3,56	4,26
1,50	4	0,831	23,62	28,41	1,18	1,42
1,80	3	0,826	17,61	21,31	0,88	1,07
2,10	4	0,822	21,70	26,41	1,09	1,32
2,40	5	0,817	26,98	33,02	1,35	1,65
2,70	5	0,813	26,84	33,02	1,34	1,65
3,00	8	0,809	39,91	49,35	2,00	2,47
3,30	10	0,805	49,64	61,69	2,48	3,08
3,60	17	0,751	78,75	104,88	3,94	5,24
3,90	11	0,797	50,76	63,68	2,54	3,18
4,20	13	0,744	55,97	75,25	2,80	3,76
4,50	15	0,740	64,28	86,83	3,21	4,34
4,80	15	0,737	64,00	86,83	3,20	4,34
5,10	12	0,784	51,30	65,43	2,56	3,27
5,40	14	0,731	55,80	76,34	2,79	3,82
5,70	15	0,728	59,56	81,79	2,98	4,09
6,00	11	0,775	43,96	56,69	2,20	2,83
6,30	11	0,773	43,81	56,69	2,19	2,83
6,60	13	0,720	48,26	66,99	2,41	3,35
6,90	15	0,718	52,61	73,27	2,63	3,66

COMUNE DI CHIGNOLO PO (PV)
Piano di Lottizzazione "La Colomba" in località Lambrinia

SCPT 05

Strumento utilizzato... SCPT (Standard Cone Penetration Test)
Prova eseguita in data 24/07/2007
Profondità prova 6,90 mt
Falda assente

Profondità (m)	Nr. Colpi	Calcolo coeff. riduzione sonda Chi	Res. dinamica ridotta (Kg/cm ²)	Res. dinamica (Kg/cm ²)	Pres. ammissibile con riduzione Herminier - Olandesi (Kg/cm ²)	Pres. ammissibile Herminier - Olandesi (Kg/cm ²)
0,30	7	0,853	45,87	53,79	2,29	2,69
0,60	13	0,797	79,62	99,90	3,98	4,99
0,90	7	0,842	41,84	49,72	2,09	2,49
1,20	5	0,836	29,70	35,52	1,49	1,78
1,50	3	0,831	17,71	21,31	0,89	1,07
1,80	2	0,826	11,74	14,21	0,59	0,71
2,10	3	0,822	16,28	19,81	0,81	0,99
2,40	7	0,817	37,77	46,22	1,89	2,31
2,70	9	0,813	48,31	59,43	2,42	2,97
3,00	9	0,809	44,90	55,52	2,25	2,78
3,30	9	0,805	44,68	55,52	2,23	2,78
3,60	10	0,801	49,41	61,69	2,47	3,08
3,90	9	0,797	41,53	52,10	2,08	2,60
4,20	10	0,794	45,95	57,89	2,30	2,89
4,50	13	0,740	55,71	75,25	2,79	3,76
4,80	14	0,737	59,74	81,04	2,99	4,05
5,10	9	0,784	38,47	49,07	1,92	2,45
5,40	10	0,781	42,59	54,53	2,13	2,73
5,70	11	0,778	46,67	59,98	2,33	3,00
6,00	11	0,775	43,96	56,69	2,20	2,83
6,30	14	0,723	52,15	72,14	2,61	3,61
6,60	12	0,770	47,64	61,84	2,38	3,09
6,90	13	0,718	45,59	63,50	2,28	3,18

COMUNE DI CHIGNOLO PO (PV)
Piano di Lottizzazione "La Colomba" in località Lambrinia

SCPT 06

Strumento utilizzato... SCPT (Standard Cone Penetration Test)
Prova eseguita in data 24/07/2007
Profondità prova 6,90 mt
Falda assente

Profondità (m)	Nr. Colpi	Calcolo coeff. riduzione sonda Chi	Res. dinamica ridotta (Kg/cm ²)	Res. dinamica (Kg/cm ²)	Pres. ammissibile con riduzione Herminier - Olandesi (Kg/cm ²)	Pres. ammissibile Herminier - Olandesi (Kg/cm ²)
0,30	7	0,853	45,87	53,79	2,29	2,69
0,60	14	0,797	85,75	107,58	4,29	5,38
0,90	14	0,792	78,71	99,44	3,94	4,97
1,20	7	0,836	41,58	49,72	2,08	2,49
1,50	3	0,831	17,71	21,31	0,89	1,07
1,80	2	0,826	11,74	14,21	0,59	0,71
2,10	2	0,822	10,85	13,21	0,54	0,66
2,40	4	0,817	21,58	26,41	1,08	1,32
2,70	9	0,813	48,31	59,43	2,42	2,97
3,00	10	0,809	49,89	61,69	2,49	3,08
3,30	7	0,805	34,75	43,19	1,74	2,16
3,60	8	0,801	39,53	49,35	1,98	2,47
3,90	9	0,797	41,53	52,10	2,08	2,60
4,20	10	0,794	45,95	57,89	2,30	2,89
4,50	15	0,740	64,28	86,83	3,21	4,34
4,80	13	0,737	55,47	75,25	2,77	3,76
5,10	12	0,784	51,30	65,43	2,56	3,27
5,40	11	0,781	46,85	59,98	2,34	3,00
5,70	10	0,778	42,43	54,53	2,12	2,73
6,00	13	0,725	48,60	66,99	2,43	3,35
6,30	10	0,773	39,83	51,53	1,99	2,58
6,60	14	0,720	51,97	72,14	2,60	3,61
6,90	14	0,718	49,10	68,39	2,46	3,42

COMUNE DI CHIGNOLO PO (PV)
Piano di Lottizzazione "La Colomba" in località Lambrinia

SCPT 07

Strumento utilizzato... SCPT (Standard Cone Penetration Test)
Prova eseguita in data 24/07/2007
Profondità prova 6,90 mt
Falda assente

Profondità (m)	Nr. Colpi	Calcolo coeff. riduzione sonda Chi	Res. dinamica ridotta (Kg/cm ²)	Res. dinamica (Kg/cm ²)	Pres. ammissibile con riduzione Herminier - Olandesi (Kg/cm ²)	Pres. ammissibile Herminier - Olandesi (Kg/cm ²)
0,30	10	0,853	65,53	76,85	3,28	3,84
0,60	12	0,847	78,11	92,21	3,91	4,61
0,90	10	0,842	59,77	71,03	2,99	3,55
1,20	7	0,836	41,58	49,72	2,08	2,49
1,50	3	0,831	17,71	21,31	0,89	1,07
1,80	3	0,826	17,61	21,31	0,88	1,07
2,10	3	0,822	16,28	19,81	0,81	0,99
2,40	4	0,817	21,58	26,41	1,08	1,32
2,70	5	0,813	26,84	33,02	1,34	1,65
3,00	7	0,809	34,92	43,19	1,75	2,16
3,30	9	0,805	44,68	55,52	2,23	2,78
3,60	9	0,801	44,47	55,52	2,22	2,78
3,90	12	0,797	55,38	69,47	2,77	3,47
4,20	12	0,794	55,13	69,47	2,76	3,47
4,50	11	0,790	50,33	63,68	2,52	3,18
4,80	8	0,787	36,45	46,31	1,82	2,32
5,10	10	0,784	42,75	54,53	2,14	2,73
5,40	10	0,781	42,59	54,53	2,13	2,73
5,70	11	0,778	46,67	59,98	2,33	3,00
6,00	10	0,775	39,96	51,53	2,00	2,58
6,30	12	0,773	47,79	61,84	2,39	3,09
6,60	10	0,770	39,70	51,53	1,98	2,58
6,90	15	0,718	52,61	73,27	2,63	3,66

COMUNE DI CHIGNOLO PO (PV)
Piano di Lottizzazione "La Colomba" in località Lambrinia

SCPT 08

Strumento utilizzato... SCPT (Standard Cone Penetration Test)
Prova eseguita in data 24/07/2007
Profondità prova 6,90 mt
Falda assente

Profondità (m)	Nr. Colpi	Calcolo coeff. riduzione sonda Chi	Res. dinamica ridotta (Kg/cm ²)	Res. dinamica (Kg/cm ²)	Pres. ammissibile con riduzione Herminier - Olandesi (Kg/cm ²)	Pres. ammissibile Herminier - Olandesi (Kg/cm ²)
0,30	16	0,803	98,69	122,95	4,93	6,15
0,60	13	0,797	79,62	99,90	3,98	4,99
0,90	12	0,842	71,73	85,24	3,59	4,26
1,20	15	0,786	83,77	106,55	4,19	5,33
1,50	7	0,831	41,33	49,72	2,07	2,49
1,80	3	0,826	17,61	21,31	0,88	1,07
2,10	3	0,822	16,28	19,81	0,81	0,99
2,40	4	0,817	21,58	26,41	1,08	1,32
2,70	7	0,813	37,57	46,22	1,88	2,31
3,00	8	0,809	39,91	49,35	2,00	2,47
3,30	9	0,805	44,68	55,52	2,23	2,78
3,60	12	0,801	59,29	74,03	2,96	3,70
3,90	13	0,747	56,23	75,25	2,81	3,76
4,20	13	0,744	55,97	75,25	2,80	3,76
4,50	16	0,740	68,57	92,62	3,43	4,63
4,80	11	0,787	50,12	63,68	2,51	3,18
5,10	11	0,784	47,02	59,98	2,35	3,00
5,40	9	0,781	38,33	49,07	1,92	2,45
5,70	9	0,778	38,19	49,07	1,91	2,45
6,00	14	0,725	52,34	72,14	2,62	3,61
6,30	16	0,723	59,60	82,45	2,98	4,12
6,60	13	0,720	48,26	66,99	2,41	3,35
6,90	15	0,718	52,61	73,27	2,63	3,66

COMUNE DI CHIGNOLO PO (PV)

Studio geologico - tecnico territoriale a supporto del P.G.T.

Relazione sulle indagini geognostiche eseguite in corrispondenza del territorio comunale – Stratigrafie pozzi per acqua

SONDAGGI GEOGNOSTICI A CAMPIONAMENTO CONTINUO

S 01 - 03

[illegible]

OPERATORE: DITTA NEGRETTI S.r.l. - Corteolona (PV)						COMMITTENTE		SONDAGGIO				
						LOCALITA' CASOTTINA - CHIGNOLO PO (PV)		N. 2				
						QUOTA ASSOLUTA 54.4 m. s.l.m.		DATA 04/09/84				
profondità strati m.	spessore strati m.	stratigrafia	% carotaggio	campioni	H ₂ O percolazione accumulo	DESCRIZIONE LITOLOGICA	modulo pressiometrico E (MPa)	modulo di taglio G (MPa)	S.P.T.			NOTE
2.00						Sabbia gialla						
3.50			Argilla cinerea									
6.00			Sabbia gialla compatta									
					Sabbia con ghiaietto							
14.00												
					Argilla							
19.00												
					Sabbia fine con ghiaietto							
27.00												
						Argilla						
101.00					Argilla fossilifera con lignite							
104.00												

OPERATORE: DITTA NEGRETTI S.r.l. - Corteolona (PV)						COMMITTENTE			SONDAGGIO			
						LOCALITA' CASOTTINA - CHIGNOLO PO (PV)			N. 2			
						QUOTA ASSOLUTA 54.4 m. s.l.m.			DATA 04/09/84			
profondità strati m.	spessore strati m.	stratigrafia	% carotaggio	campioni	H₂O percolazione accumulo	DESCRIZIONE LITOLOGICA	modulo pressiometrico E (MPa)	modulo di taglio G (MPa)	S.P.T.			NOTE
101.00						Argilla plastica cinerea					METODO DI PERFORAZIONE: CIRCOLAZIONE INVERSA CON FLUIDO BENTONITICO	

OPERATORE: DITTA NEGRETTI S.r.l. - Corteolona (PV)						COMMITTENTE		AMM.NE COMUNALE DI CHIGNOLO PO		SONDAGGIO		
						LOCALITA'		CHIGNOLO PO (PV)		N. 3		
						QUOTA ASSOLUTA		56.5 m. s.l.m.		DATA 28/11/83		
profondità strati m.	spessore strati m.	stratigrafia	% carotaggio	campioni	H ₂ O percolazione accumulo	DESCRIZIONE LITOLOGICA	modulo pressiometrico E (MPa)	modulo di taglio G (MPa)	S.P.T.			NOTE
4.00						Sabbia chiara fine						METODO DI PERFORAZIONE: CIRCOLAZIONE INVERSA CON FLUIDO BENTONITICO
						Sabbia chiara con ghiaietto						
11.00						Sabbia grossolana grigia						
15.00						Sabbia grigia con ghiaietto						
22.00						Argilla cinerea fossilifera. Alla profondità di 87.00 m si registra un livelletto di 1 metro di spessore costituito da sabbia con ghiaietto.						
						Fine sondaggio 110.00 m						

METODO DI PERFORAZIONE: CIRCOLAZIONE INVERSA CON FLUIDO BENTONITICO

COMUNE DI CHIGNOLO PO (PV)

Studio geologico - tecnico territoriale a supporto del P.G.T.

Relazione sulle indagini geognostiche eseguite in corrispondenza del territorio comunale – Stratigrafie pozzi per acqua

STRATIGRAFIE POZZI PER ACQUA AD USO POTABILE

POZZO CHIGNOLO 1 CHIGNOLO PO

QUOTA
TOPOGRAFICA
(metri dal piano campagna)

00.00

5.00

10.00

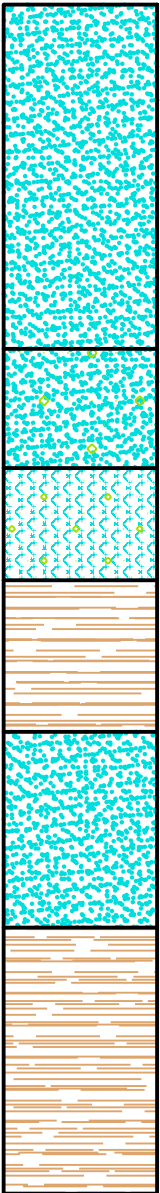
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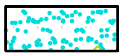
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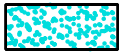
ARGILLA



SABBIA FINE CON GHIAIETTO
SPARSO



SABBIA GROSSOLANA
CON GHIAIA



SABBIA FINE CEMENTATA

POZZO MONACHE 1 CHIGNOLO PO

QUOTA
TOPOGRAFICA
(metri dal piano campagna)

00.00

5.00

10.00

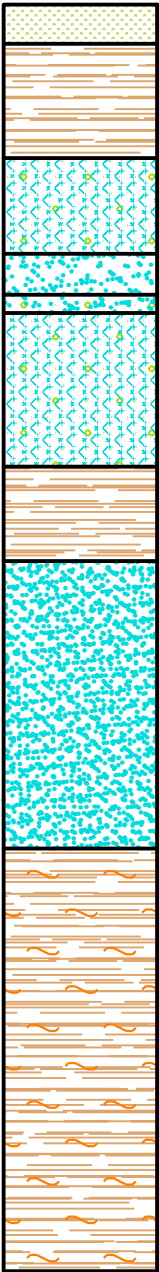
15.00

20.00

25.00

30.00

35.00



TERRENO VEGETALE



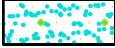
ARGILLA



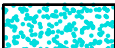
ARGILLA FOSSILIFERA



SABBIA GROSSOLANA
CON GHIAIA



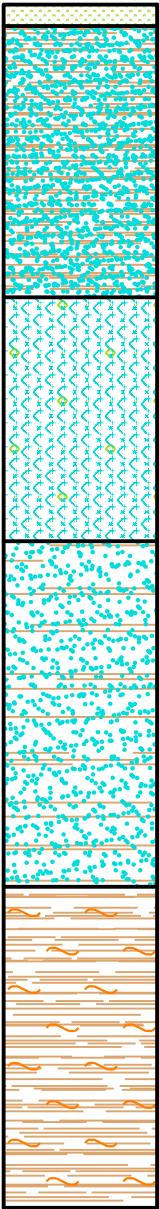
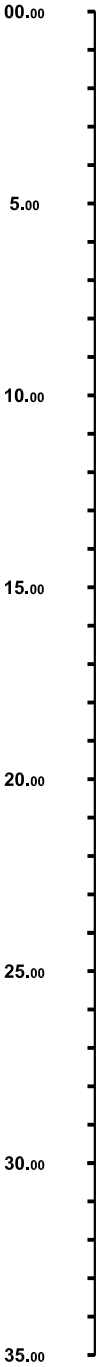
SABBIA MEDIA CON GHIAIA

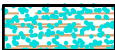
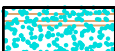


SABBIA FINE CEMENTATA

POZZO MONACHE 2 CHIGNOLO PO

QUOTA
TOPOGRAFICA
(metri dal piano campagna)



-  TERRENO VEGETALE
-  SABBIA GROSSOLANA
CON GHIAIA
-  ARGILLA SABBIOSA
-  SABBIA ARGILLOSA
-  ARGILLA FOSSILIFERA

POZZO
MONACHE 3
CHIGNOLO PO

QUOTA
TOPOGRAFICA
(metri dal piano campagna)

00.00

5.00

10.00

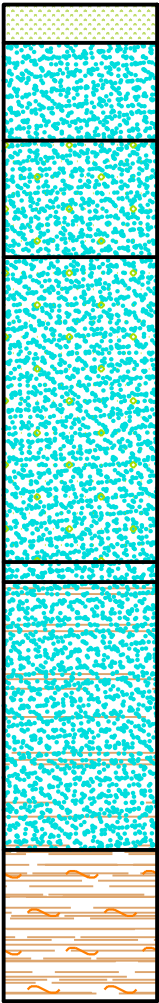
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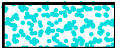
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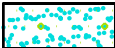
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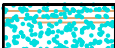
TERRENO VEGETALE



SABBIA



SABBIA MEDIA CON GHIAIA



SABBIA ARGILLOSA



ARGILLA FOSSILIFERA