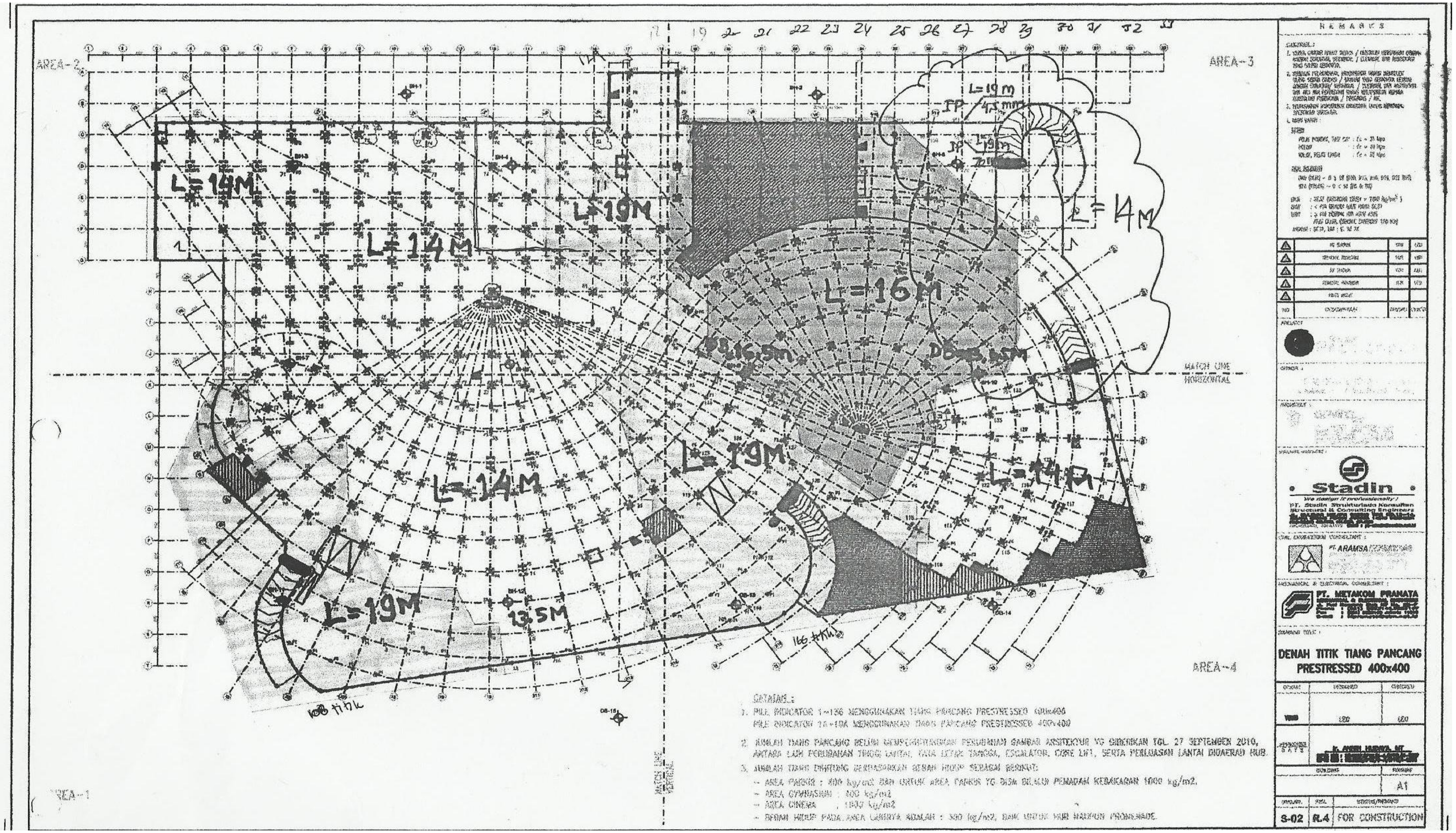
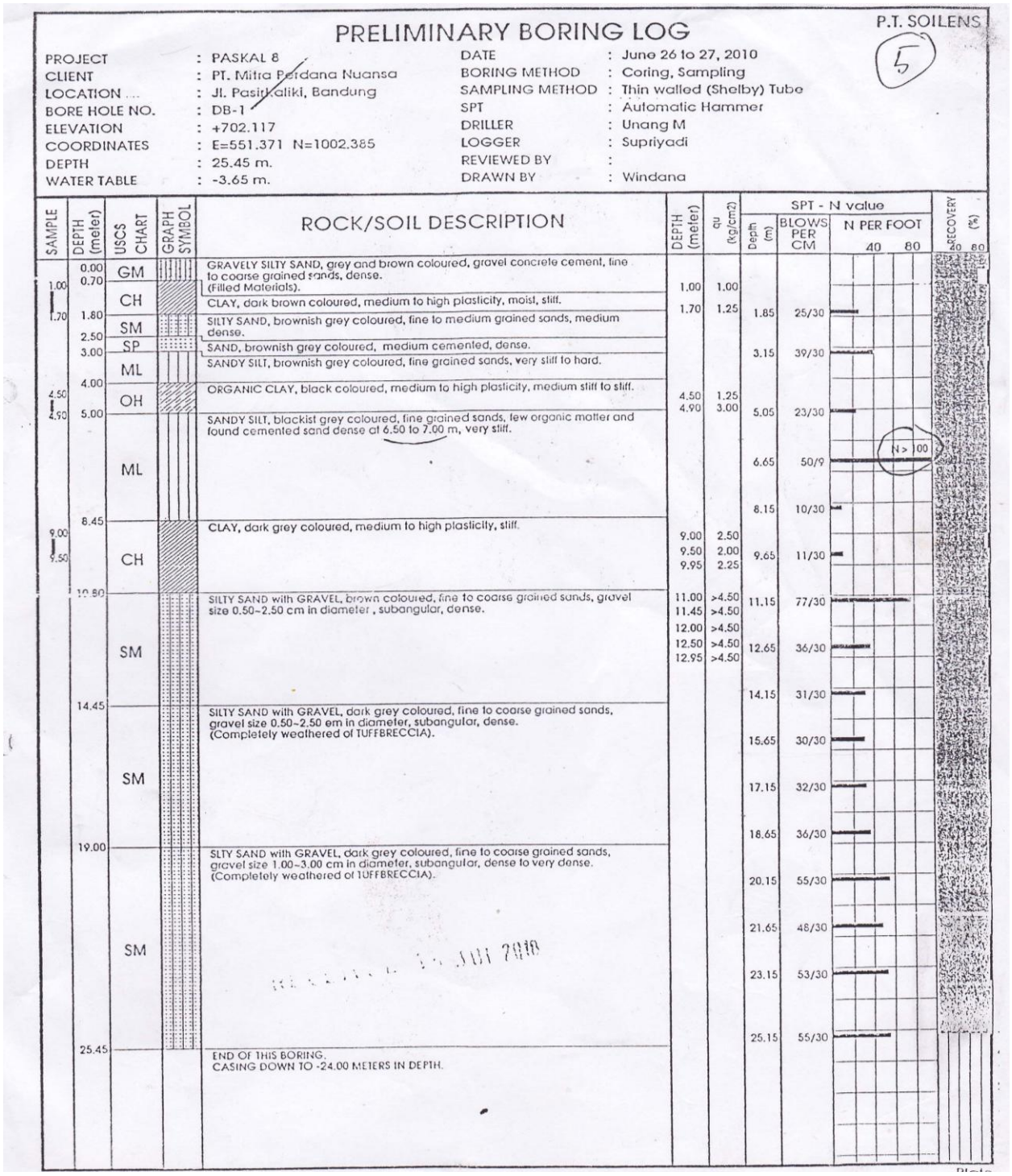
LAMPIRAN L-1


AREA-2
AREA-3
AREA-4
L=19M
L=14M
L=19M
L=16M
L=19M
L=14M
L=14M
L=19M
13.5M
L=14M
MATCH LINE HORIZONTAL
Stadin
PT. METAKOM PRANATA
DENAH TITIK TIANG PANCANG PRESTRESSED 400x400
A1
S-02
R.4
FOR CONSTRUCTION

LAMPIRAN L-2



PRELIMINARY BORING LOG

P.T. SOILENS

5

PROJECT	: PASKAL 8	DATE	: June 26 to 27, 2010
CLIENT	: PT. Mitra Perdana Nuansa	BORING METHOD	: Coring, Sampling
LOCATION	: Jl. Pasirkaliki, Bandung	SAMPLING METHOD	: Thin walled (Shelby) Tube
BORE HOLE NO.	: DB-1	SPT	: Automatic Hammer
ELEVATION	: +702.117	DRILLER	: Unang M
COORDINATES	: E=551.371 N=1002.385	LOGGER	: Supriyadi
DEPTH	: 25.45 m.	REVIEWED BY	:
WATER TABLE	: -3.65 m.	DRAWN BY	: Windana

SAMPLE	DEPTH (meter)	USCS CHART	GRAPH SYMBOL	ROCK/SOIL DESCRIPTION	DEPTH (meter)	qu (Kg/cm2)	SPT - N value: Depth (m)	SPT - N value: BLOWS PER CM	SPT - N value: N PER FOOT (40 / 80)	RECOVERY (%) (0 / 80)
	0.00	GM		GRAVELY SILTY SAND, grey and brown coloured, gravel concrete cement, fine to coarse grained sands, dense.						
1.00	0.70			(Filled Materials).	1.00	1.00				
1.70	1.80	CH		CLAY, dark brown coloured, medium to high plasticity, moist, stiff.	1.70	1.25	1.85	25/30		
	2.50	SM		SILTY SAND, brownish grey coloured, fine to medium grained sands, medium dense.						
	3.00	SP		SAND, brownish grey coloured, medium cemented, dense.			3.15	39/30		
	4.00	ML		SANDY SILT, brownish grey coloured, fine grained sands, very stiff to hard.						
4.50		OH		ORGANIC CLAY, black coloured, medium to high plasticity, medium stiff to stiff.	4.50	1.25				
4.90	5.00				4.90	3.00	5.05	23/30		
		ML		SANDY SILT, blackist grey coloured, fine grained sands, few organic matter and found cemented sand dense at 6.50 to 7.00 m, very stiff.			6.65	50/9	N > 100	
	8.45						8.15	10/30		
9.00		CH		CLAY, dark grey coloured, medium to high plasticity, stiff.	9.00	2.50				
9.50					9.50	2.00	9.65	11/30		
	10.80				9.95	2.25				
		SM		SILTY SAND with GRAVEL, brown coloured, fine to coarse grained sands, gravel size 0.50~2.50 cm in diameter , subangular, dense.	11.00	>4.50	11.15	77/30		
					11.45	>4.50				
					12.00	>4.50				
					12.50	>4.50	12.65	36/30		
					12.95	>4.50				
	14.45						14.15	31/30		
		SM		SILTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 0.50~2.50 cm in diameter, subangular, dense. (Completely weathered of TUFFBRECCIA).			15.65	30/30		
							17.15	32/30		
							18.65	36/30		
	19.00									
		SM		SLTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 1.00~3.00 cm in diameter, subangular, dense to very dense. (Completely weathered of TUFFBRECCIA).			20.15	55/30		
							21.65	48/30		
							23.15	53/30		
							25.15	55/30		
	25.45			END OF THIS BORING. CASING DOWN TO -24.00 METERS IN DEPTH.						

PRELIMINARY BORING LOG

P.T. SOILENS

PROJECT	: PASKAL 8	DATE	: July 1 to 2, 2010
CLIENT	: PT. Mitra Perdana Nuansa	BORING METHOD	: Coring, Sampling
LOCATION	: Jl. Pasirkaliki, Bandung	SAMPLING METHOD	: Thin walled (Shelby) Tube
BORE HOLE NO.	: DB-2	SPT	: Automatic Hammer
ELEVATION	: +702.123	DRILLER	: Unang M
COORDINATES	: E=649.180 N=994.104	LOGGER	: Supriyadi
DEPTH	: 25.45 m.	REVIEWED BY	:
WATER TABLE	: -4.15 m.	DRAWN BY	: Windana

SAMPLE	DEPTH (meter)	USCS CHART	GRAPH SYMBOL	ROCK/SOIL DESCRIPTION	DEPTH (meter)	qu (kg/cm2)	SPT - N value: Depth (m)	SPT - N value: BLOWS PER CM	SPT - N value: N PER FOOT (40 80)	RECOVERY (%) (40 80)
	0.00	ML		SANDY SILT some GRAVEL, dark brown coloured, fine to medium grained sand, gravel size 1.0-5.0 cm in diameter, subangular, stiff. (Fill Materials).						
	0.50	GM		GRAVEL and COBLESTONE, grey coloured, andesite and tuff breccia fragments,hard.	1.50	0.50				
1.50	1.30	CH		CLAY, dark grey coloured, medium to high plasticity, medium stiff.	2.20	1.25	2.35	7/30		
2.20	2.20	SM		TUFFACEOUS SILTY SAND, yellowish brown grey coloured, fine to medium grained sands, found cemented sand at 2.90-3.80 m in depth, medium dense to dense.			3.65	46/30		
5.00	4.90	CH		CLAY some ORGANIC, black coloured, medium to high plasticity, organic matter, medium stiff.	5.70	0.75	5.85	5/30		
5.70					6.15	1.50			N > 100	
	7.00	SP		SAND, greenish grey coloured, fine grained sands, cemented, very dense.			7.15	50/14		
	7.40	CL		CLAYEY SILT, dark brown coloured, trace fine sand, low plasticity, stiff.						
	8.30	ML		SANDY SILT, dark grey coloured, fine grained sands, slightly clay, stiff.			8.65	13/30		
	9.45	OH		ORGANIC CLAY, black coloured, medium to high plasticity, stiff.						
	10.00	CH		CLAY, grey to dark grey coloured, medium to high plasticity, very stiff.	10.00	3.50	10.15	18/30		
	11.60	ML		SANDY SILT with GRAVEL, grey coloured, fine to medium grained sands, gravel size 1.00~3.00 cm in diameter, subangular, very stiff.			11.65	77/30		
	13.30	ML		SANDY SILT, dark grey coloured, fine to medium grained sands, very stiff.			13.15	16/30		
	15.00	ML		SANDY SILT, greenish grey coloured, fine grained sands, low plasticity, stiff.			14.65	30/30		
	16.50	SM		SILTY SAND with GRAVEL, greenish grey to grey coloured, fine to coarse grained sands, gravel size 1.0-3.5 cm in diameter, subrounded, very dense.			16.15	14/30		
	17.50	SM		SILTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 0.5-3.0 cm in diameter, subangular, dense to very dense. (Completely weathered of Tuff breccia)			17.65	54/30		
							19.15	56/30		
							20.65	42/30		
							22.15	43/30		
							23.65	51/30		
							25.15	54/30		
	25.45			END OF THIS BORING. CASING DOWN TO -23.50 METERS IN DEPTH.						

Plate

PRELIMINARY BORING LOG

P.T. SOILENS

PROJECT	: PASKAL 8	DATE	: June 24 to 25, 2010
CLIENT	: PT. Mitra Perdana Nuansa	BORING METHOD	: Coring, Sampling
LOCATION	: Jl. Pasirkaliki, Bandung	SAMPLING METHOD	: Thin walled (Shelby) Tube
BORE HOLE NO.	: DB-3	SPT	: Automatic Hammer
ELEVATION	: +702.020	DRILLER	: Unang M
COORDINATES	: E=523.369 N=986.369	LOGGER	: Supriyadi
DEPTH	: 25.40 m.	REVIEWED BY	:
WATER TABLE	: -3.50 m.	DRAWN BY	: Windana

SAMPLE	DEPTH (meter)	USCS CHART	GRAPH SYMBOL	ROCK/SOIL DESCRIPTION	DEPTH (meter)	au (kg/cm2)	SPT - N value: Depth (m)	SPT - N value: BLOWS PER CM	SPT - N value: N PER FOOT (40 80)	RECOVERY (%) (40 80)
	0.00	ML		SANDY SILT, dark brownish gray coloured, low plasticity, few roots, fine grained sands, stiff (Filled Materials).						
1.00	0.60	CH		TUFFACEOUS CLAY, light brown coloured, medium to high plasticity, trace fine grained sand, stiff.	1.00	2.00				
1.70	2.00	SM		SILTY SAND, yellowish brown coloured, fine grained sands, tuffaceous, medium dense.			1.85	18/30		
							3.15	27/30		
4.50	4.20	CL		TUFFACEOUS CLAYEY SILT, grey coloured, medium plasticity, trace fine grained sands, stiff.	4.50	1.50				
5.20					5.20	1.50	5.35	11/30		
	6.10	SM		SILTY SAND, dark grey coloured, fine to medium grained sand, medium dense.	5.65	2.00				
	7.10	SM		SILTY SAND, dark grey coloured, fine to medium grained sands, loose to medium dense.	6.50	>4.50	6.65	25/30		
							8.15	10/30		
	9.60	CH		CLAY, brownish grey coloured, medium to high plasticity, stiff.	9.50	2.75	9.65	9/30		
					9.95	3.00				
	11.35	SM		SILTY SAND with GRAVEL, grey and greyish brown coloured, fine to medium grained sands, gravel size 1.00~3.00 cm in diameter, subangular,dense. (Completely weathered of tuff breccia).	11.00	3.50	11.15	27/30		
									N > 100	
							12.65	89/24		
	13.65	SM		SILTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 0.50~3.00 em in diameter subangular, dense. (Completely weathered of tuff breccia).			14.15	45/30		
	16.00	SM		SLTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 1.00~3.50 cm in diameter subangular dense to very dense. (Completely weathered of tuff breccia).			15.65	43/30		
							17.15	55/30		
							18.65	57/30		
							20.15	60/30		
							21.65	57/30		
							23.15	53/30		
							23.65	69/30		
									N > 100	
	25.40			END OF THIS BORING. CASING DOWN TO -23.00 METERS IN DEPTH.			25.15	85/25		

Plate

PRELIMINARY BORING LOG

P.T. SOILENS

PROJECT	: PASKAL 8	DATE	: June 24 to 25, 2010
CLIENT	: PT. Mitra Perdana Nuansa	BORING METHOD	: Coring, Sampling
LOCATION	: Jl. Pasirkaliki, Bandung	SAMPLING METHOD	: Thin walled (Shelby) Tube
BORE HOLE NO.	: DB-4	SPT	: Automatic Hammer
ELEVATION	: +702.110	DRILLER	: Jojo S
COORDINATES	: E=575.117 N=982.156	LOGGER	: Supriyadi
DEPTH	: 25.45 m.	REVIEWED BY	:
WATER TABLE	: -3.00 m.	DRAWN BY	: Windana

SAMPLE	DEPTH (meter)	USCS CHART	GRAPH SYMBOL	ROCK/SOIL DESCRIPTION	DEPTH (meter)	qu (kg/cm2)	SPT - N value: Depth (m)	BLOWS PER CM	N PER FOOT (40 80)	RECOVERY (%) (40 80)
	0.00	ML		SANDY SILT some GRAVELS, dark grey coloured, fine to medium grained sands, few gravels with 1~3 cm in diameter, subangular,medium stiff to stiff. (Filled Materials).			1.15	7/30		
	1.45	MH		TUFFACEOUS SILT, yellowish brown coloured, medium plasticity, few fine grained sand, trace gravel 0.50~2.0 cm in diameter, sub angular, stiff.	2.00	>4.50				
	2.50	SP		SAND, dark brownish grey coloured, fine grained sands, high cemented, dense.	2.50	>4.50	2.65	49/30		
	4.00	CL		SANDY CLAY some ORGANIC, blackish grey coloured, medium plasticity, fine grained sands, soft	4.45	0.25	4.15	2/30		
	5.00				5.00	0.25				
	5.50	CL		CLAYEY SILT, dark grey coloured, few fine sand, low plasticity, hard.	5.50	1.25	5.65	45/30		
	6.60	SP		SAND, dark grey coloured, fine to medium grained sands, high to slightly cemented, very dense.	5.95	>4.50				
	8.15	CL		TUFFACEOUS CLAYEY SILT, dark grey coloured, low plasticity, few fine sand, stiff.	7.00	>4.50	7.15	50/14	N > 100	
	9.50				8.00	3.00				
	10.00	CH		TUFFACEOUS CLAY, greyish brown coloured, medium to high plasticity, very stiff.	8.50	3.00	8.65	7/30		
	11.30	SM		SILTY SAND with GRAVEL, dark grey coloured, fine to medium grained sands, gravel size 1.0~3.0 cm in diameter , subangular, dense to very dense. (Completely weathered of tuff breccia)	8.95	3.00				
	14.80	SM		SILTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 0.5~2.5 cm in diameter subangular, dense. (Completely weathered of tuff breccia)	9.50	3.00				
	17.95	SM		SLTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 1.0~3.5 cm in diameter subangular dense to very dense. (Completely weathered of tuff breccia).	10.00	3.00	10.15	20/30		
					10.45	3.00				
					11.00	>4.50			N > 100	
					11.50	>4.50	11.65	50/14		
					11.79	>4.50				
					12.00	>4.50				
					13.00	>4.50	13.15	50/30		
									N > 100	
							14.65	50/15		
							16.15	34/30		
							17.65	53/30		
									N > 100	
							19.15	50/14		
									N > 100	
							20.65	50/12		
							22.15	65/30		
							23.65	69/30		
	25.45			END OF THIS BORING. CASING DOWN TO -23.50 METERS IN DEPTH.			25.15	68/30		

Plate

PRELIMINARY BORING LOG

P.T. SOILENS

PROJECT	: PASKAL 8	DATE	: June 28 to 30, 2010
CLIENT	: PT. Mitra Perdana Nuansa	BORING METHOD	: Coring, Sampling
LOCATION	: Jl. Pasirkaliki, Bandung	SAMPLING METHOD	: Thin walled (Shelby) Tube
BORE HOLE NO.	: DB-5	SPT	: Automatic Hammer
ELEVATION	: +702.541	DRILLER	: Unang M
COORDINATES	: E=627.999 N=977.655	LOGGER	: Supriyadi
DEPTH	: 25.45 m.	REVIEWED BY	:
WATER TABLE	: -4.20 m.	DRAWN BY	: Windana

SAMPLE	DEPTH (meter)	USCS CHART	GRAPH SYMBOL	ROCK/SOIL DESCRIPTION
	0.00	CL		SANDY CLAY with GRAVEL, dark brown coloured, fine to medium grained sand, gravel maximum size 12 cm, subangular, stiff. (Fill Materials).
	1.70	ML		SANDY SILT, dark grey to black coloured, fine grained sands, few organic matter, stiff.
	2.10	SM		TUFFACEOUS SILTY SAND with Gravel, yellowish brown coloured, fine to coarse grained sands, found cemented sand at 2.50-3.80 m in depth, dense
	4.00	SM		TUFFACEOUS SILTY SAND with GRAVEL, yellowish brown coloured, fine to coarse grained sands, gravel size 0.5~2.0 cm in diameter, subangular, medium cemented, denese to very dense.
	5.00	CH		CLAY, dark grey coloured, medium to high plasticity, trace fine sands, few organic matter, soft to medium stiff.
6.50				
7.00	7.30	ML		SANDY SILT, dark brownish grey coloured, fine grained sand, found cemented sand at 8.00-8.50 m in depth, stiff to very stiff.
	9.40	OH		ORGANIC CLAY, black coloured, medium to high plasticity, medium stiff.
10.00	10.00	CH		CLAY, dark brown coloured, medium to high plasticity, trace fine sand, stiff.
10.50				
12.00				
12.70	13.00	SM		SILTY SAND with GRAVEL, light grey coloured, fine to coarse grained sands, high cemented, gravel size 0.50~2.00 cm in diameter, subangular, dense.
	15.00	SM		SILTY SAND with GRAVEL, brownish grey coloured, fine to coarse grained sands, gravel size 0.50~2.00 cm in diameter, subangular, dense. (Completely weathered of TUFF BRECCIA).
	18.00	SM		SLTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 0.50~3.00 cm in diameter, subangular, dense to very dense. (Completely weathered of TUFF BRECCIA).
	25.45			END OF THIS BORING. CASING DOWN TO -23.00 METERS IN DEPTH.

DEPTH (meter)	au (kg/cm2)
6.00	0.25
6.50	1.25
7.00	3.25
10.50	2.25
10.95	2.25
12.00	2.00
12.70	1.75

SPT - N value		
Depth (m)	BLOWS PER CM	N PER FOOT (40 80)
1.15	19/30	
2.65	18/30	
4.15	63/30	
5.65	1/50	
7.15	22/30	
8.65	8/30	
10.65	11/30	
12.85	18/30	
14.15	48/30	
15.65	48/30	
17.15	30/30	
18.65	51/30	
20.15	46/30	
21.65	49/30	
23.15	54/30	
25.15	57/30	

RECOVERY (%) 40 80

Plate

PRELIMINARY BORING LOG

P.T. SOILENS

PROJECT	: PASKAL 8	DATE	: June 24 to 26, 2010
CLIENT	: PT. Mitra Perdana Nuansa	BORING METHOD	: Coring, Sampling
LOCATION	: Jl. Pasirkaliki, Bandung	SAMPLING METHOD	: Thin walled (Shelby) Tube
BORE HOLE NO.	: DB-6	SPT	: Automatic Hammer
ELEVATION	: +701.747	DRILLER	: Ayi Nurdin
COORDINATES	: E=681.088 N=973.786	LOGGER	: Supriyadi
DEPTH	: 25.45 m.	REVIEWED BY	:
WATER TABLE	: -4.00 m.	DRAWN BY	: Windana

SAMPLE	DEPTH (meter)	USCS CHART	GRAPH SYMBOL	ROCK/SOIL DESCRIPTION	DEPTH (meter)	qu (kg/cm2)	SPT - N value: Depth (m)	BLOWS PER CM	N PER FOOT (40 / 80)	RECOVERY (%) (40 / 80)
	0.00	SM		SILTY SAND, brown coloured, fine to coarse grained sands, trace gravels, subangular, medium dense. (Filled Materials).						
	0.70	CH								
	1.00	SM		CLAY with GRAVEL, dark brownish grey coloured, medium plasticity, few fine grained sand, trace gravel 0.50~2.0 cm in diameter, subangular, stiff. (Filled Materials).			1.15	50/10	N > 100	
	1.80	CH		SILTY SAND, brown coloured, fine to course grained sands, few gravels, subangular, medium dense. (Filled Materials).	2.70	0.50	2.85	3/30		
2.00 / 2.70	3.15	ML		CLAY, brown coloured, medium to high plasticity, trace fine grained sand, soft.	3.15	0.50				
	3.90	CL		TUFFACEOUS SANDY SILT, brown coloured, low plasticity, medium stiff.	4.00	2.00				
4.00 / 4.40	4.15	ML		TUFFACEOUS CLAYEY SILT, light brown coloured, low plasticity, medium stiff.	4.40	2.00	4.55	31/30		
	5.00			SANDY SILT, greyish brown coloured, low plasticity, fine to medium grained sands, tuffaceous, very stiff to hard.	4.85	3.00				
6.00 / 6.70		OH		ORGANIC CLAY, black coloured, medium to high plasticity, soft.	5.00	3.00				
	7.70			CLAYEY SILT with ORGANIC, black coloured, medium plasticity, trace fine sand, stiff to very stiff.	6.00	0.50				
8.50 / 9.20		CL			6.70	0.50	6.85	9/30		
	10.00	CL		SANDY CLAY, dark grey coloured, medium plasticity, fine to medium grained sands, trace fine gravels, very stiff.	7.15	0.50				
	11.00	SM		SILTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 1.0~2.0 cm in diameter, subangular, medium dense to dense.	8.00	1.50				
	13.00	SM		SLTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 1.0~3.0 cm in diameter, subangular dense to very dense. (Completely weathered of tuff breccia).	8.50	1.00				
	25.45			END OF THIS BORING. CASING DOWN TO -23.80 METERS IN DEPTH.	9.20	1.00	9.35	28/30		
					9.65	2.00				
					10.00	2.00				
					11.00	2.00	11.15	17/30		
					11.45	1.00				
					12.00	4.50				
					13.00	>4.50	13.15	54/30		
					14.00	>4.50				
					15.00	>4.50	15.15	67/30		
					15.45	>4.50				
							17.15	76/30		
							19.15	72/30		
							21.15	44/30		
							23.15	48/30		
							25.15	56/30		

DB-6.TXT - AvantGarde-Deml

Plate

PRELIMINARY BORING LOG

P.T. SOILENS

PROJECT	: PASKAL 8	DATE	: June 27 to 28, 2010
CLIENT	: PT. Mitra Perdana Nuansa	BORING METHOD	: Coring, Sampling
LOCATION	: Jl. Pasirkaliki, Bandung	SAMPLING METHOD	: Thin walled (Shelby) Tube
BORE HOLE NO.	: DB-7	SPT	: Automatic Hammer
ELEVATION	: +702.134	DRILLER	: Jojo S
COORDINATES	: E=518.799 N=935.901	LOGGER	: Supriyadi
DEPTH	: 25.26 m.	REVIEWED BY	:
WATER TABLE	: -3.95 m.	DRAWN BY	: Windana

SAMPLE	DEPTH (meter)	USCS CHART	GRAPH SYMBOL	ROCK/SOIL DESCRIPTION	DEPTH (meter)	qu (kg/cm2)	SPT - N value: Depth (m)	BLOWS PER CM	N PER FOOT (40 80)	RECOVERY (%) (40 80)
0.50	0.00	GP		SANDY GRAVEL, dark grey coloured, fine to coarse grained sands, gravel andesite, subangular, dense. (Filled Materials).						
1.20		CH		CLAY, brown coloured, medium to high plasticity, trace fine sand, moist, soft.	1.20	0.50				
	2.00				1.65	0.50	1.35	5/30		
	2.50	CL		SANDY CLAY, dark grey coloured, fine grained sand, few organic matter, soft.	2.00	0.25				
		ML		TUFFACEOUS SANDY SILT, light brown coloured, fine to grained sands, medium stiff.	2.50	0.25				
					2.95	0.50	2.65	6/30		
4.00	4.00			ORGANIC CLAY, black coloured, medium to high plasticity, soft.	4.00	0.50				
4.70		OH			4.70	0.25				
					5.15	0.25	4.85	2/30		
	6.00	SM		TUFFACEOUS SILTY SAND, grey coloured, medium cemented dense to very dense.	6.00	0.25	6.15	79/21	N > 100	
	7.50	ML		SANDY SILT, dark grey coloured, slightly clay, medium plasticity, fine to medium grained sands, stiff.			7.65	14/30		
8.50										
9.20							9.35	21/30		
10.50	9.80	OH		ORGANIC CLAY, black coloured, medium to high plasticity, stiff.	10.50	2.50				
11.20	11.00	CH		CLAYEY, dark greenish grey coloured, medium to high plasticity, soft to very stiff.	11.20	2.50	11.35	13/30		
					11.65	2.50				
	12.45				12.00	2.50				
		ML		TUFFACEOUS SANDY SILT, brownish grey coloured, fine to medium grained sands, very stiff.	12.50	2.50	12.65	16/30		
	14.00				12.95	2.50				
		SM		SILTY SAND with GRAVEL, brownish grey coloured, fine to coarse grained sands, medium cemented, very dense. (Completely weathered of TUFFBRECCIA)	14.00	2.50	14.15	86/29		
	15.00			SILTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 0.50~2.50 cm in diameter , subangular, very dense. (Completely weathered of TUFFBRECCIA)					N > 100	
							15.65	50/12		
		SM					17.15	87/27		
							18.65	79/30		
	20.00								N > 100	
				SLTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 1.0~5.0 cm in diameter subangular dense to very dense. (Completely weathered of TUFFBRECCIA).			20.15	50/15		
									N > 100	
							21.65	50/5		
		SM							N > 100	
							23.15	81/20		
									N > 100	
	25.26			END OF THIS BORING. CASING DOWN TO -24.50 METERS IN DEPTH.			25.15	50/11		

Plate

PRELIMINARY BORING LOG

P.T. SOILENS

PROJECT	: PASKAL 8	DATE	: July 4 to 5, 2010
CLIENT	: PT. Mitra Pardana Nuansa	BORING METHOD	: Coring, Sampling
LOCATION	: Jl. Pasirkaliki, Bandung	SAMPLING METHOD	: Thin walled (Shelby) Tube
BORE HOLE NO.	: DB-8	SPT	: Automatic Hammer
ELEVATION	: +701.667	DRILLER	: Jojo S
COORDINATES	: E=570.783 N=931.425	LOGGER	: Supriyadi
DEPTH	: 25.45 m.	REVIEWED BY	:
WATER TABLE	: -0.60 m.	DRAWN BY	: Windana

SAMPLE	DEPTH (meter)	USCS CHART	GRAPH SYMBOL	ROCK/SOIL DESCRIPTION
	0.00	ML		SANDY SILT wth GRAVEL, dark brown coloured, fine to medium grained sands, gravel size maximum 5 cm, subangular, medium stiff (Fill Materials).
	1.00	CH		CLAY, brownish grey coloured, medium to high plasticity, medium stiff.
2.00	2.70	CL		CLAYEY SILT, yellowish brown coloured, few fine sands, low plasticity, tuffaceous, stiff.
4.00	3.90	CH		CLAY with ORGANIC, dark brown coloured, medium to high plasticity, organic matter, stiff.
4.70	6.00	SM		SILTY SAND, dark grey coloured, fine to medium grained sands, medium dense to dense.
	8.50	SM		SILTY SAND, dark grey coloured, slighily clay organic, fine to medium grained sands, dense.
10.50	10.00	CH		CLAY, grey coloured, medium to high plasticity, very stiff.
11.20	11.65	SM		SILTY SAND, greenish grey coloured, fine to coarse grained sands, highly to medium cemented, very dense.
	12.80	ML		SANDY SILT, yellowish brown coloured, fine to coarse grained sands, tuffaceous, hard.
	15.45	SM		SILTY SAND with GRAVEL, dark bickish grey coloured, fine to coarse grained sands, gravel size 1-4.5 cm in diameter, subangular, very dense. (Completely weathered of tuff breccia)
	25.45			END OF THIS BORING. CASING DOWN TO -24.00 METERS IN DEPTH.

DEPTH (meter)	qu (kg/cm2)
1.50	1.25
2.00	1.25
2.70	1.50
3.15	2.50
4.00	2.00
4.70	1.00
5.15	1.00
6.15	4.00
9.45	2.50
10.00	2.50
10.50	2.50
11.20	2.00
11.65	2.00

SPT - N value		
Depth (m)	BLOWS PER CM	N PER FOOT
1.15	4/30	
2.85	14/30	
4.85	11/30	
6.15	30/30	
7.65	29/10	
9.15	34/30	
11.35	17/30	
12.65	50/14	N > 100
14.15	41/30	
15.65	48/30	
17.15	57/30	
18.65	58/30	
20.15	49/30	
21.65	54/30	
23.15	57/30	
25.15	57/30	

N PER FOOT: 40 80

RECOVERY (%): 40 60

Plate

PRELIMINARY BORING LOG

P.T. SOILENS

PROJECT	: PASKAL 8	DATE	: June 30 to July 1, 2010
CLIENT	: PT. Mitra Perdana Nuansa	BORING METHOD	: Coring, Sampling
LOCATION	: Jl. Pasirkaliki, Bandung	SAMPLING METHOD	: Thin walled (Shelby) Tube
BORE HOLE NO.	: DB-9	SPT	: Automatic Hammer
ELEVATION	: +702.218	DRILLER	: Ayi Nurdin
COORDINATES	: E=616.278 N=921.268	LOGGER	: Supriyadi
DEPTH	: 25.45 m.	REVIEWED BY	:
WATER TABLE	: -4.20 m.	DRAWN BY	: Windana

SAMPLE	DEPTH (meter)	USCS CHART	GRAPH SYMBOL	ROCK/SOIL DESCRIPTION
	0.00	CL		SANDY CLAY with GRAVEL, dark brown coloured, fine to medium grained sands, gravel size 1.0~3.0 cm in diameter, subangular, stiff. (Fill Materials).
	1.70	ML		SANDY SILT, redish brown coloured, fine grained sands, trace fine gravel, subangular, stiff.
2.50	2.30	CH		CLAY, brown coloured, medium to high plasticity, trace fine sand, stiff.
3.20	3.20	SM		SILTY SAND with GRAVEL, brown coloured, fine to medium grained sands, gravel size 0.5~4.00 cm, subangular, dense.
5.50	5.40	CH		CLAY, dark grey coloured, medium to high plasticity, few organic matter, stiff.
6.20	7.40	ML		SANDY SILT, dark grey coloured, fine grained sands, few organic matter, very stiff.
10.00	10.00	CH		CLAY, brownish grey coloured, medium to high plasticity, trace fine sand, very stiff.
10.70	12.50	SM		SILTY SAND with GRAVEL, greenish grey coloured, fine to coarse grained sands, gravel size 1.00~3.0 cm in diameter, subangular, very dense. (Completely weathered of TUFF BRECCIA).
	18.00	SM		SILTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 0.50~3.0 cm in diameter, subangular, dense. (Completely weathered of TUFF BRECCIA).
	22.00	SM		SLTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 0.50~2.50 cm in diameter, subangular, very dense. (Completely weathered of TUFF BRECCIA).
	25.45			END OF THIS BORING. CASING DOWN TO -23.47 METERS IN DEPTH.

DEPTH (meter)	au (kg/cm2)
1.00	2.00
1.45	2.00
2.00	2.00
2.50	2.00
3.20	4.50
3.65	4.50
4.00	4.50
4.50	4.50
4.95	3.75
5.50	1.00
6.20	1.00
6.65	1.00
7.00	3.00
7.50	4.00
7.95	4.00
9.00	4.00
9.45	4.00
10.00	4.00
10.70	4.00
11.15	4.00
12.00	4.00
12.45	4.00

SPT - N value		
Depth (m)	BLOWS PER CM	N PER FOOT (40 / 80)
1.15	8/30	
3.35	40/30	
4.65	37/30	
6.35	8/30	
7.65	15/30	
9.15	16/30	
10.85	18/30	
12.15	21/30	
13.65	52/30	
15.15	50/5	N > 100
16.65	77/30	
18.15	31/30	
19.65	32/30	
21.15	36/30	
22.65	53/30	
24.15	56/30	
25.15	54/30	

RECOVERY (%) 40 80

Plate

PRELIMINARY BORING LOG

P.T. SOILENS

PROJECT	: PASKAL 8	DATE	: July 3 to 4, 2010
CLIENT	: PT. Mitra Perdana Nuansa	BORING METHOD	: Coring, Sampling
LOCATION	: Jl. Pasirkaliki, Bandung	SAMPLING METHOD	: Thin walled (Shelby) Tube
BORE HOLE NO.	: DB-10	SPT	: Automatic Hammer
ELEVATION	: +701.879	DRILLER	: Unang M
COORDINATES	: E=682.000 N=919.724	LOGGER	: Supriyadi
DEPTH	: 25.45 m.	REVIEWED BY	:
WATER TABLE	: -4.30 m.	DRAWN BY	: Windana

SAMPLE	DEPTH (meter)	USCS CHART	ROCK/SOIL DESCRIPTION
	0.00 – 0.50	CL	SANDY CLAY with GRAVEL, brown coloured, fine to coarse grained sand, gravel, subangular, stiff. (Fill Materials).
	0.50 – 2.00	CL	SANDY CLAY with GRAVEL, brown coloured, fine to coarse grained sand, gravel size 1.0-2.0 cm in diameter, subangular, stiff.
2.50 – 3.20	2.00 – 3.20	CH	CLAY, dark brown coloured, medium to high plasticity, few organic matter, medium stiff.
	3.20 – 4.65	ML	SANDY SILT, yellowish brown coloured, fine to coarse grained sands, tuffaceous, stiff.
6.00 – 6.70	4.65 – 7.00	OH	ORGANIC CLAY, black coloured, medium to high plasticity, soft.
	7.00 – 7.80	CH	CLAY, greenish grey coloured, medium plasticity, trace fine grained sands, stiff.
8.00 – 8.50	7.80 – 9.30	SM	SILTY SAND, dark grey coloured, slightly clay, fine grained sands, stiff.
10.00 – 10.70	9.30 – 10.90	MH	ORGANIC SILT, black coloured, medium plasticity, stiff.
	10.90 – 12.30	CH	CLAY, greenish grey coloured, medium to high plasticity, stiff.
	12.30 – 16.10	ML	SANDY SILT, greenish grey coloured, fine to coarse grained sands, high to medium cemented, hard.
	16.10 – 21.00	SM	SILTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 1.0-3.5 cm in diameter, subrounded, dense.
	21.00 – 25.45	SM	SILTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 0.5-3.0 cm in diameter, subangular, dense to very dense. (Completely weathered of Tuff breccia)
	25.45		END OF THIS BORING. CASING DOWN TO -24.00 METERS IN DEPTH.

DEPTH (meter)	qu (kg/cm2)
2.50	2.50
5.01	0.25
6.00	0.25
6.70	2.00
7.15	2.00
8.00	3.00
10.00	1.75
10.70	2.00
11.15	2.50
12.00	3.00

SPT - N value: Depth (m)	BLOWS PER CM	N PER FOOT
1.15	11/30	
3.35	7/30	
6.85	8/30	
8.65	14/30	
10.35	[illegible]/30	
12.15	31/30	
13.65	50/13	N > 100
15.15	44/30	
16.85	27/30	
18.15	31/30	
19.65	34/30	
21.15	41/30	
22.65	45/30	
24.15	55/30	
25.15	56/30	

RECOVERY (%)

DB-10.TXT - AvantGarde-Demi

Plate

PRELIMINARY BORING LOG

P.T. SOILENS

PROJECT	: PASKAL 8	DATE	: June 30 to July 1, 2010
CLIENT	: PT. Mitra Perdana Nuansa	BORING METHOD	: Coring, Sampling
LOCATION	: Jl. Pasirkaliki, Bandung	SAMPLING METHOD	: Thin walled (Shelby) Tube
BORE HOLE NO.	: DB-11	SPT	: Automatic Hammer
ELEVATION	: +703.294	DRILLER	: Jojo S
COORDINATES	: E=512.377 N=875.271	LOGGER	: Supriyadi
DEPTH	: 25.45 m.	REVIEWED BY	:
WATER TABLE	: -4.10 m.	DRAWN BY	: Windana

SAMPLE	DEPTH (meter)	USCS CHART	GRAPH SYMBOL	ROCK/SOIL DESCRIPTION	DEPTH (meter)	au (kg/cm2)	SPT - N value: Depth (m)	SPT - N value: BLOWS PER CM	SPT - N value: N PER FOOT (40 80)	RECOVERY (%) (40 80)
	0.00	CL		CLAYEY SILT some GRAVEL, redish brown coloured, trace fine sand, gravel maximum size 5.0 cm, subangular, stiff. (Fill Materials).						
	0.90	CL		SANDY CLAY, brown coloured, few gravel size 1~3 cm in diameter, subangular, soft. (Fill Materials).			1.15	4/30		
	1.70	CH		CLAY, dark brown coloured, medium to high plasticity, medium stiff.	2.00 2.50	0.50 0.50				
2.50 3.20	3.00	ML		TUFFACEOUS SANDY SILT, light yellowish brown coloured, fine grained sands, soft.	3.20 3.65 4.00 4.50	0.75 0.75 0.75 0.75	3.35 4.65	3/30 2/30		
	5.00	CL		SANDY CLAY few ORGANIC, dark brownish grey coloured, fine grained sand, soft.	4.95 6.00	0.75 0.75				
6.00 6.70	6.70	SM		SILTY SAND, greenish grey coloured, fine to medium grained sands, found cemented sand, dense.	6.70	4.25	6.85 8.15	36/30 36/30		
	8.50	SM		SILTY SAND few ORGANIC, black coloured, fine grained sands, slightly clay organic matter, medium dense.			9.65	18/30		
12.00 12.70	11.60 12.00	OH CH		ORGANIC CLAY, black coloured, medium to high plasticity, medium stiff. CLAYEY, bkack coloured, medium to high plasticity, medium stiff.	11.45 12.00 12.70 13.15	0.25 0.75 2.50 2.50	11.15 12.85	10/30 11/30		
	14.00	CL		TUFFACEOUS CLAYEY SILT, greenish grey coloured, trace fine sands, very stiff to hard.	14.00 14.45	2.50 2.50	14.15	30/30		
	15.40	SM		TUFFACEOUS SILTY SAND, yellowish brown coloured, fine to medium grained sands, dense.			15.65	45/30		
	17.60	SM		SILTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 0.5-2.5 cm in diameter, subangular, dense to very dense. (Completely weathered of TUFF BRECCIA).			17.15 18.65	46/30 50/10	N > 100	
		SM					20.15 21.65 23.15	42/30 46/30 47/30		
	25.45			END OF THIS BORING. CASING DOWN TO -23.00 METERS IN DEPTH.			25.15	55/30		

DB-11.TXT - AvantGarde-Demi

Plate

PRELIMINARY BORING LOG

P.T. SOILENS

PROJECT	: PASKAL 8	DATE	: July 2 to 3, 2010
CLIENT	: PT. Mitra Perdana Nuansa	BORING METHOD	: Coring, Sampling
LOCATION	: Jl. Pasirkaliki, Bandung	SAMPLING METHOD	: Thin walled (Shelby) Tube
BORE HOLE NO.	: DB-12	SPT	: Automatic Hammer
ELEVATION	: +701.678	DRILLER	: Jojo S
COORDINATES	: E=565.722 N=870.521	LOGGER	: Supriyadi
DEPTH	: 25.45 m.	REVIEWED BY	:
WATER TABLE	: -4.40 m.	DRAWN BY	: Windana

SAMPLE	DEPTH (meter)	USCS CHART	GRAPH SYMBOL	ROCK/SOIL DESCRIPTION	DEPTH (meter)	qu (kg/cm2)	SPT - N value: Depth (m)	BLOWS PER CM	N PER FOOT (40 / 80)	RECOVERY (%) (40 / 80)
	0.00									
	0.50	CL		CLAYEY SILT, dark brown coloured, low plasticity, few gravel size 1-4 cm in diameter, subangular, stiff (Fill Materials).						
		ML		SANDY SILT, brownish grey coloured, slightly clay, fine to medium grained sands, few gravel, subangular, stiff.			1.15	10/30		
2.00	1.70	CH		CLAY, dark brown coloured, medium to high plasticity, stiff.	2.00	2.00				
2.70	2.70	ML		SANDY SILT, yellowish brown coloured, fine grained sands, trace fine gravel, subrounded, tuffaceous, very stiff.	2.70	2.00	2.85	17/30		
	4.20	OH		ORGANIC CLAY, black coloured, medium to high plasticity, soft.			4.15	4/30		
5.00					5.70	4.00	5.85	14/30		
5.70	5.70	CH		CLAY, greenish grey coloured, medium to high plasticity, trace fine sand, stiff.	6.15	4.00			N > 100	
	7.00	ML		SANDY SILT, dark brown coloured, fine to medium grained sands, medium cemented hard.			7.15	50/10		
	8.30	SM		SILTY SAND, black coloured, fine to medium grained sands, few organic matter, medium dense.			8.65	11/30		
	9.90	OH		ORGANIC CLAY, black coloured, medium to high plasticity, soft.	10.45	0.50	10.15	4/30		
11.00					11.00	0.50				
11.70	11.70	CH		CLAY, greenish grey coloured, medium plasticity, trace fine sand, stiff to very stiff	11.70	3.50	11.85	20/30		
					12.15	3.50				
	13.00	CL		CLAYEY SILT, greenish grey coloured, fine grained sands, very stiff.	13.00	4.00	13.15	75/30		
	13.70	SM		SILTY SAND with GRAVEL, dark greenish grey coloured, fine to coarse grained sands, medium cemented, gravel size 0.5-2.0 cm, subrounded, very dense.			14.65	44/30		
							16.15	65/30		
							17.65	55/30		
	18.00	SM		SILTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 1-3 cm in diameter, subangular, dense to very dense. (Completely weathered of tuff breccia)			19.15	41/30		
							20.65	49/30		
							22.15	53/30		
							23.65	57/30		
							25.15	59/30		
	25.45			END OF THIS BORING. CASING DOWN TO -24.50 METERS IN DEPTH.						

Plate

PRELIMINARY BORING LOG

P.T. SOILENS

PROJECT	: PASKAL 8	DATE	: July 4 to 5, 2010
CLIENT	: PT. Mitra Perdana Nuansa	BORING METHOD	: Coring, Sampling
LOCATION	: Jl. Pasirkaliki, Bandung	SAMPLING METHOD	: Thin walled (Shelby) Tube
BORE HOLE NO.	: DB-13	SPT	: Automatic Hammer
ELEVATION	: +702.763	DRILLER	: Ayi Nurdin
COORDINATES	: E=619.903 N=865.306	LOGGER	: Supriyadi
DEPTH	: 25.45 m.	REVIEWED BY	:
WATER TABLE	: -3.50 m.	DRAWN BY	: Windana

SAMPLE	DEPTH (meter)	USCS CHART	GRAPH SYMBOL	ROCK/SOIL DESCRIPTION	DEPTH (meter)	qu (kg/cm2)	SPT - N value: Depth (m)	SPT - N value: BLOWS PER CM	SPT - N value: N PER FOOT (40 80)	RECOVERY (%) (40 60)
	0.00	ML		SANDY SILT with GRAVEL, brown redish brown coloured, fine to coarse grained sands, gravel size 1-3 cm in diameter, subangular, stiff to very stiff. (Fill Materials).			1.15	16/30		
							2.15	15/30		
	3.50	CL		CLAYEY SILT, yellowish brown coloured, low plasticity, trace fine sands, tuffaceous, very stiff.	4.60	2.00	4.75	18/30		
4.00					5.05	2.00				
4.60	5.50	CH		CLAY, dark brown coloured, medium to high plasticity, few organic matter, stiff.	6.00	0.50				
6.00							6.85	7/30		
6.70	7.50	SM		SILTY SAND, dark greenish grey coloured, fine grained sands, medium cemented, dense to very dense.	7.15	1.00				
					8.00	4.50	8.15	53/30		
					8.45	4.50				
	9.00	SM		SILTY SAND, dark grey coloured, fine grained sands, medium dense.	9.00	4.50				
					9.50	0.50	9.65	12/30		
					9.95	0.50				
	10.80	ML		SANDY SILT, dark brownish grey coloured, fine grained sands, few organic matter, stiff.	11.00	1.00	11.15	15/30		
					11.45	1.00				
					12.00	1.00				
	12.30	CH		CLAY, greenish grey coloured, medium to high plasticity, trace fine sands, very stiff.	12.50	1.50	12.65	22/30		
					12.95	2.75				
	14.00	ML		SANDY SILT with GRAVEL, dark greenish grey coloured, fine to coarse grained sands, gravel size 1-3 cm in diameter, subangular, very dense.	14.00	>4.50	14.15	58/30		
					14.45	>4.50				
					15.00	>4.50				
							15.65	28/30		
	16.50	SM		SILTY SAND, dark grey coloured, fine grained sands, medium dense.			17.15	21/10		
							18.65	26/30		
	20.00	SM		SILTY SAND with GRAVEL, dark blackish grey coloured, fine to coarse grained sands, gravel size 0.50-3.0 cm in diameter, subangular, very dense. (Completely weathered of tuff breccia).			20.15	64/30		
							21.65	69/30		
							23.15	67/30		
							24.15	68/30		
	25.45			END OF THIS BORING. CASING DOWN TO -22.80 METERS IN DEPTH.			25.15	69/30		

Plate

PRELIMINARY BORING LOG

P.T. SOILENS

PROJECT	: PASKAL 8	DATE	: June 27 to 29, 2010
CLIENT	: PT. Mitra Perdana Nuansa	BORING METHOD	: Coring, Sampling
LOCATION	: Jl. Pasirkaliki, Bandung	SAMPLING METHOD	: Thin walled (Shelby) Tube
BORE HOLE NO.	: DB-14	SPT	: Automatic Hammer
ELEVATION	: +700.212	DRILLER	: Ayi Nurdin
COORDINATES	: E=680.698 N=859.963	LOGGER	: Supriyadi
DEPTH	: 25.45 m.	REVIEWED BY	:
WATER TABLE	: -1.50 m.	DRAWN BY	: Windana

SAMPLE	DEPTH (meter)	USCS CHART	GRAPH SYMBOL	ROCK/SOIL DESCRIPTION
	0.00	CL		SANDY CLAY, dark brown coloured, few gravel size 1.0~3.0 cm in diameter subangular, stiff. (Filled Materials).
1.00	1.00			
1.70		CH		TUFFACEOUS CLAY, light brown coloured, trace fine sand, medium stiff.
	3.45	CL		TUFFACEOUS SANDY SILT, light brown coloured, fine grained sands, found cemented sand at 3.80 - 4.00 dense, very stiff to hard.
4.00	4.00			
4.70		OH		ORGANIC CLAY, black coloured, trace fine sands, medium to high plasticity, stiff.
6.00				
6.50	6.50	CL		SANDY CLAY, blackish grey coloured, medium plasticity, fine grained sand, some organic matter, very stiff.
9.00	9.00	CH		CLAY, dark brownish grey coloured, medium to high plasticity, moist, very stiff.
9.70				
	11.00	SM		SILTY SAND with GRAVEL, dark greenish grey coloured, fine to coarse grained sands, gravel size 0.50~3.0 cm in diameter, subangular, very dense. (Completely weathered of TUFFBRECCIA).
	14.00	SM		SILTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 1.0~3.0 cm in diameter, subangular, dense. (Completely weathered of TUFFBRECCIA).
	22.95	SM		SLTY SAND with GRAVEL, dark grey coloured, fine to coarse grained sands, gravel size 0.50~2.0 cm in diameter, subangular, medium dense. (Completely weathered of TUFFBRECCIA).
	25.45			END OF THIS BORING. CASING DOWN TO -24.65 METERS IN DEPTH.

DEPTH (meter)	au (kg/cm2)
1.00	1.25
1.70	1.25
2.15	1.75
3.00	1.75
3.45	4.50
4.00	4.50
4.70	0.50
5.15	1.00
6.00	2.00
6.50	2.00
6.95	2.00
8.00	4.50
8.45	2.00
9.00	2.50
9.70	2.50
10.15	2.50
11.00	>4.50
11.20	>4.50
12.00	>4.50
12.40	>4.50
13.00	>4.50
13.50	>4.50
13.88	>4.50

SPT - N value		
Depth (m)	BLOWS PER CM	N PER FOOT
1.15	5/30	
3.15	38/30	
4.65	10/30	
6.65	25/30	
8.15	29/30	
9.85	35/30	
11.15	50/5	N > 100
12.15	88/25	N > 100
13.65	91/23	N > 100
15.15	66/30	
16.65	42/30	
18.15	45/30	
19.65	44/30	
21.15	49/30	
22.65	44/30	
24.15	26/30	
25.15	28/30	

RECOVERY (%)

Plat

PRELIMINARY BORING LOG

P.T. SOILENS

PROJECT	: PASKAL 8	DATE	: July 2 to 3, 2010
CLIENT	: PT. Mitra Perdana Nuansa	BORING METHOD	: Coring, Sampling
LOCATION	: Jl. Pasirkaliki, Bandung	SAMPLING METHOD	: Thin walled (Shelby) Tube
BORE HOLE NO.	: DB-15	SPT	: Automatic Hammer
ELEVATION	: +701.485	DRILLER	: Ayi Nurdin
COORDINATES	: E=589.803 N=838.706	LOGGER	: Supriyadi
DEPTH	: 25.45 m.	REVIEWED BY	:
WATER TABLE	: -3.00 m.	DRAWN BY	: Windana

SAMPLE	DEPTH (meter)	USCS CHART	GRAPH SYMBOL	ROCK/SOIL DESCRIPTION	DEPTH (meter)	cu (kg/cm2)	SPT - N value: Depth (m)	BLOWS PER CM	N PER FOOT (40 80)	RECOVERY (%) (40 80)
	0.00	ML		SANDY SILT some GRAVEL, dark brown and redish brown coloured, fine to coarse grained sands, gravel size 1-5 cm in diameter, subangular, stiff. (Fill Materials).			1.15	12/30		
	2.20	ML		SANDY SILT, yellowish brown coloured, fine to medium grained sands, few gravel, subrounded, tuffaceous, very stiff.	2.95	4.50	2.65	17/30		
	4.40	OH		ORGANIC CLAY, black coloured, medium to high plasticity, soft.	4.00 4.45 5.00	4.50 0.50 0.50	4.15	3/30		
5.00 – 5.70	5.50	CH		CLAY, dark greenish grey coloured, medium to high plasticity, very stiff.	5.70 6.15	1.00 2.00	5.85	22/30		
	6.50	ML		SANDY SILT, dark grey coloured, fine grained sands, very stiff.						
	7.00	SM		SILTY SAND, dark grey coloured, fine to medium grained sands, few organic matter, medium dense.	7.00 7.45 8.00 8.50 8.95	2.00 2.00 2.00 2.00 2.00	7.15 8.65	25/30 18/30		
10.00 – 10.70	9.50	OH		ORGANIC CLAY, black coloured, medium to high plasticity, very stiff.	10.00	2.00				
	10.70	SM		SILTY SAND, black coloured, fine grained sands, few organic matter, very dense.	10.70	2.70	10.85	26/30		
	11.30	OH		ORGANIC CLAY, black coloured, medium to high plasticity, very stiff.	11.15 12.00 12.45	2.00 2.00 2.00	12.15	27/30		
13.00 – 13.50	12.60	CH		CLAY, dark greenish grey coloured, medium to high plasticity, slightly silty, very stiff.	13.00	2.00				
	13.50	CL		CLAYEY SILT, greenish grey coloured, few fine grained sands, low plasticity, hard.			13.65	43/30		
15.00 – 15.50							15.65	44/30		
	16.00	SM		SILTY SAND with GRAVEL, greenish grey coloured, fine to coarse grained sands, gravel size 1.00-2.0 cm in diameter, subrounded, dense to very dense (Completely weathered of tuff breccia).			17.15	50/10	N > 100	
	19.00	SM		SILTY SAND with GRAVEL, blackish grey coloured, fine to coarse grained sands, gravel size 0.50-3.00 cm in diameter, subangular, very dense. (Completely weathered of tuff breccia).			18.65 20.15 21.65 23.15 24.15	48/30 66/30 69/30 71/30 47/30		
	25.45			END OF THIS BORING. CASING DOWN TO -22.80 METERS IN DEPTH.			25.15	52/30		

Plate

LAMPIRAN L-3

No	Fitur	Hasil	Keterangan
1.	Melakukan login	Sesuai / ~~tidak sesuai~~	
2.	Menambah data login	Sesuai / ~~tidak sesuai~~	
3.	Menambah data proyek	Sesuai / ~~tidak sesuai~~	
4.	Mengubah data proyek	Sesuai / ~~tidak sesuai~~	
5.	Menghapus data proyek	Sesuai / ~~tidak sesuai~~	
6.	Mencari data proyek	Sesuai / ~~tidak sesuai~~	
7.	Menambah data spek palu	Sesuai / ~~tidak sesuai~~	
8.	Mengubah data spek palu	Sesuai / ~~tidak sesuai~~	
9.	Menghapus data spek palu	Sesuai / ~~tidak sesuai~~	
10.	Mencari data spek palu	Sesuai / ~~tidak sesuai~~	
11.	Menghitung data SPT	Sesuai / ~~tidak sesuai~~	
12.	Menghapus data SPT	Sesuai / ~~tidak sesuai~~	
13.	Mencari data SPT	Sesuai / ~~tidak sesuai~~	
14.	Menambah data perhitungan	Sesuai / ~~tidak sesuai~~	
15.	Menghitung dimensi pondasi tiang bor	~~Sesuai~~ / tidak sesuai	Harus ada keterangan rumus
16.	Menghitung dimensi pondasi tiang pancang	~~Sesuai~~ / tidak sesuai	Harus ada keterangan rumus
17.	Menyimpan dalam format PDF	Sesuai / ~~tidak sesuai~~	
18.	Menghapus data perhitungan	Sesuai / ~~tidak sesuai~~	

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5.	Menghapus data proyek	Sesuai / ~~tidak sesuai~~	
6.	Mencari data proyek	Sesuai / ~~tidak sesuai~~	
7.	Menambah data spek palu	Sesuai / ~~tidak sesuai~~	
8.	Mengubah data spek palu	Sesuai / ~~tidak sesuai~~	
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15.	Menghitung dimensi pondasi tiang bor	Sesuai / ~~tidak sesuai~~	
16.	Menghitung dimensi pondasi tiang pancang	Sesuai / ~~tidak sesuai~~	
17.	Menyimpan dalam format PDF	Sesuai / ~~tidak sesuai~~	
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13.	Mencari data SPT	Sesuai / ~~tidak sesuai~~	
14.	Menambah data perhitungan	Sesuai / ~~tidak sesuai~~	
15.	Menghitung dimensi pondasi tiang bor	~~Sesuai~~ / tidak sesuai	Perhatikan tombol perhitungan
16.	Menghitung dimensi pondasi tiang pancang	~~Sesuai~~ / tidak sesuai	Perhatikan tombol perhitungan
17.	Menyimpan dalam format PDF	Sesuai / ~~tidak sesuai~~	
18.	Menghapus data perhitungan	Sesuai / ~~tidak sesuai~~	

RIWAYAT HIDUP PENULIS

Ardianzah Bramantyo lahir di Bekasi, 27 Oktober 1990. Menyelesaikan pendidikan TK, SMP, dan SMA di Sekolah Mutiara 17 Agustus . Lulus SMA Mutiara 17 Agustus pada tahun 2008 dan meneruskan pendidikan Double Degree (Sipil - SI) di Universitas Kristen maranatha sampai sekarang. Aktif di organisasi selama di SMA, yaitu OSIS bagian koordinator *Public Relationship*, KIR bagian anggota, dan ROHIS sebagai ketua. Sedangkan selama kuliah ikut serta dalam organisasi HIMA. Tahun 2008 – 2009 menjabat anggota Divisi Keamanan dan Kerohanian, tahun 2009 – 2010 menjabat koordinator Divisi Olahraga, tahun 2010 – 2011 menjabat koordinator Divisi Pendidikan Internal.