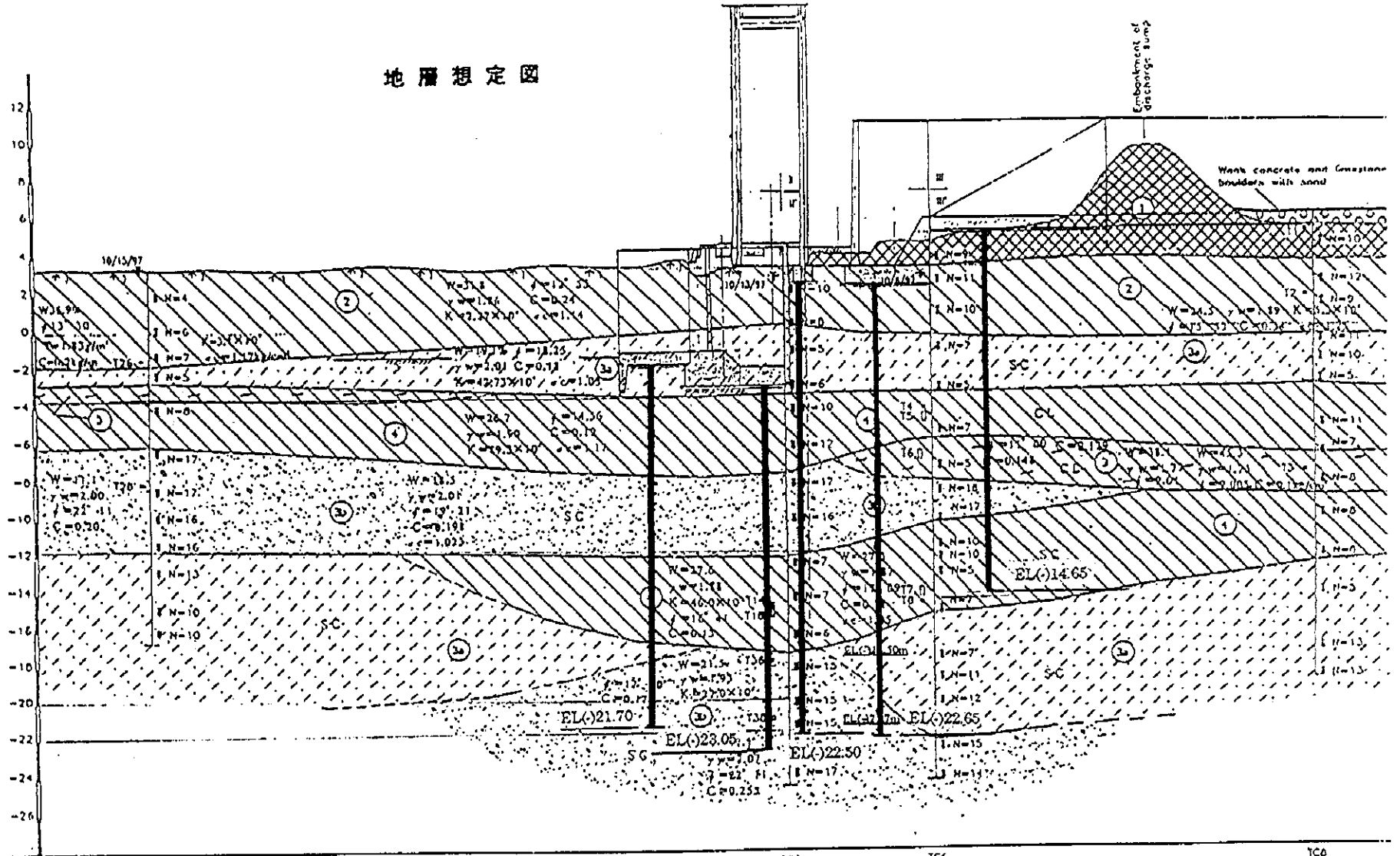


地層想定図



Borehole	TC1	TC3	TC6	TC8
Elevation (m)	3.38	3.4	4.87	5
Distance (m)	15	85.3	20	52

BOREHOLE LOG



Project : IMPROVEMENT OF TAN CHI
DRAINAGE SYSTEM
Location : SUCTION SUMP
Borehole : TC 1
Depth (m) : 20.00
Elevation : 3.38

Coordinate X = 33 209.355 Commenced : Oct 13th, 97
Y = 11 920.507 Completed : Oct 13th, 97
GWL /date : Logged by TRAN HOANG LAN
Appeared : Checked : GIAP DUC TINH
Stabilized : 3.48 / 10/15/97

SOIL DESCRIPTION (name , group symbol , colour , consistency, relative density, water content, grading etc.)	Legend 1:100	Depth (m)	STANDARD PENETRATION TEST					Core recovery percentage (%)	SAMPLE TYPE		Drilling method
			Nos of blows/10cm	Nos of blows/30cm					UD	OS	
				5	10	15	20				
Top cultivation soil (0.0 - 0.30 m) Lean CLAY (CL) : Brownish and yellowish to whitish grey, moist, firm, plastic.		1	1	2						φ 110	
Fat CLAY (CH) : Brownish to whitish grey, wet, soft - firm, highly plastic.		2	2	2							
Fat CLAY (CH) : Brownish to whitish grey, wet, soft - firm, highly plastic.		3	2	2			100	T 26		Drilling with alloy bit φ 91 mm	
Clayey SAND (SC) : Fine grained, grey to blackish grey, saturated, loose.		4	2	1	1						
Fat CLAY (CH) : Blackish grey to grey, rarely organic matters; moist, soft, plastic.		5.1	2	1	2						
Fat CLAY (CH) : Blackish grey to grey, rarely organic matters; moist, soft, plastic.		6	2	1	2						
Fat CLAY (CH) : Blackish grey to grey, rarely organic matters; moist, soft, plastic.		6.9	2	3	3						
Lean CLAY with sands (CL) : Reddish brown to yellowish and bluish grey; moist, firm - stiff, plastic.		8	2	3	3						
Lean CLAY with sands (CL) : Reddish brown to yellowish and bluish grey; moist, firm - stiff, plastic.		9	2	3	3						
Lean CLAY with sands (CL) : Reddish brown to yellowish and bluish grey; moist, firm - stiff, plastic.		9.4	5	6	6						
Lean CLAY with sands (CL) : Reddish brown to yellowish and bluish grey; moist, firm - stiff, plastic.		10	5	6	6						
Clayey SAND (SC) : Fine to medium grained with some small gravels, brown and yellowish to brownish grey; saturated, medium dense.		11	5	6	6						
Clayey SAND (SC) : Fine to medium grained with some small gravels, brown and yellowish to brownish grey; saturated, medium dense.		12	5	6	6						
Clayey SAND (SC) : Fine to medium grained with some small gravels, brown and yellowish to brownish grey; saturated, medium dense.		13	5	5	6	60	T 28				
Clayey SAND (SC) : Fine to medium grained with some small gravels, brown and yellowish to brownish grey; saturated, medium dense.		14	5	5	6						
Clayey SAND (SC) : Fine to medium grained with some small gravels, brown and yellowish to brownish grey; saturated, medium dense.		15.1	5	5	6						
Clayey SAND (SC) : Grey and brownish grey, with some thin clay lenses; saturated, medium dense.		16	4	4	5	100					
Clayey SAND (SC) : Grey and brownish grey, with some thin clay lenses; saturated, medium dense.		17	4	4	5						
Clayey SAND (SC) : Grey and brownish grey, with some thin clay lenses; saturated, medium dense.		18	3	3	4						
Clayey SAND (SC) : Grey and brownish grey, with some thin clay lenses; saturated, medium dense.		19	3	3	4						
Clayey SAND (SC) : Grey and brownish grey, with some thin clay lenses; saturated, medium dense.		20	3	4	4						
Bottom at 20 m											
Remark :											

BOREHOLE LOG



Project : IMPROVEMENT OF TANKS
DRAINAGE SYSTEM
Location : PUNJAB STATION
Borehole : TG 2
Depth (m) : 26.00
Elevation : 3.48

Coordinate X = 33 118 750 Y = 11 828 053
Commenced : Oct 11, 87
Completed : Oct 12, 87
Logged by : TRANIGANG LAL
Checked : GANESH KUMAR
Approved : S.M. 13/11/87
Sheet 1 of 3

BORE DESCRIPTION (Name, group symbol, colour, consistency, relative density, water content, grading etc.)	Legend	Depth (m)	STANDARD PENETRATION TEST					C Consistency	SAMPLE TYPE	Drilling Interval
			No. of Blows/30cm	No. of Blows/30cm						
			0	10	15	20	25			
Top cultivation soil (0.00 - 0.30 m)		0 - 0.30	2	3	3				0-110	
Lean CLAY (CL) Brownish and yellowish to bluish grey, moist, firm, plastic.		0.30 - 3.5	3	3	3			T 20		
Lean CLAY (CL) Yellowish brown and whitish grey, moist, firm, stiff, plastic.		3.5 - 5.1	2	2	3					
Clayey SAND (SC) Grey to blackish grey, saturated, loose.		5.1 - 7.0	3	4	4			100		
Lean CLAY with sand (CL) Reddish brown mottled yellowish to whitish grey, moist, firm, stiff, plastic.		7.0 - 10	1	2	3			734	Drilling with slurry bit, 0-91 mm	
Silty SAND (SM) Fine to medium graded with some small gravels, brownish to blackish grey, saturated, medium dense.		10 - 17	5	7	7			R		
Lean CLAY to sandy lean CLAY (CL) Reddish brown and yellowish to blackish grey, moist, firm, plastic.		17 - 20	2	2	2			100		
Lean CLAY (CL) Reddish brown and yellowish to blackish grey, moist, firm, stiff, plastic.		20 - 22	2	2	2			T 34		
		22 - 24	4	5	7			T 35		
Clayey SAND (SC) Grey and brownish grey, with some small gravels, saturated, medium dense.		24 - 27	4	5	6			100	Drilling with slurry bit, 0-91 mm	
		27 - 34	5	5	6					
Bottom at 26.0 m										

REMARKS :
 1 Ordinary undisturbed sample
 2 Continuous double undisturbed sample for liquid limit

BOREHOLE LOG



Project : IMPROVEMENT OF TANKS
DRAINAGE SYSTEM
Location : PUNJAB STATION
Borehole : TG 3
Depth (m) : 26.00
Elevation : 3.40

Coordinate X = 33 127 532 Y = 11 828 122
Commenced : Oct 8, 87
Completed : Oct 10, 87
Logged by : TRANIGANG LAL
Checked : GANESH KUMAR
Approved : S.M. 13/11/87
Sheet 1 of 3

BORE DESCRIPTION (Name, group symbol, colour, consistency, relative density, water content, grading etc.)	Legend	Depth (m)	STANDARD PENETRATION TEST					C Consistency	SAMPLE TYPE	Drilling Interval
			No. of Blows/30cm	No. of Blows/30cm						
			0	10	15	20	25			
Top cultivation soil (0.00 - 0.30 m)		0 - 0.30	1	3	3	4			0-110	
Lean CLAY (CL) Brownish and yellowish to bluish grey, moist, stiff, plastic.		0.30 - 3.5	3	3	3	2				
Clayey SAND (SC) Brownish and yellowish to blackish grey, argillaceous matters in some places, saturated, loose.		3.5 - 7.0	1	2	2			100		
Lean CLAY (CL) Reddish brown mottled yellowish to blackish grey, moist, stiff, plastic.		7.0 - 10	3	3	4					
		10 - 11	3	4	5					
		11 - 12	6	6	6					
Silty SAND (SM) Grey fine to medium graded, saturated, medium dense.		12 - 14	5	5	6			R		
		14 - 16	5	5	6					
Lean CLAY (CL) In some places clayey SAND (SC) Reddish brown and yellowish to blackish grey, moist, firm, low plastic.		16 - 17	2	2	3			100		
		17 - 18	2	2	3			T 34		
		18 - 19	2	2	2			T 35		
		19 - 20	2	2	2					
Lean CLAY (CL) Reddish brown and yellowish to blackish grey, moist, firm, low plastic.		20 - 21	4	5	6			T 36		
		21 - 22	4	5	6					
		22 - 24	4	5	6			T 34	Drilling with slurry bit, 0-91 mm	
Clayey SAND (SC) Fine to medium graded with some gravels, reddish brown and yellowish to blackish grey, saturated, medium dense.		24 - 25	4	5	6					
		25 - 26	4	5	6					
		26 - 27	3	5	6					
		27 - 28	3	5	6					
Bottom at 26.0 m										

REMARKS :
 1 Ordinary undisturbed sample
 2 Continuous double undisturbed sample for liquid limit

INDIAN ENGINEERING CONSULTANTS
CORPORATION (I.E.C.)

BOREHOLE LOG



Project : IMPROVEMENT OF TANK DE
DRAINAGE SYSTEM
Location : RAJNAND STATION
Borehole : TG 4
Depth (m) : 27.00
Elevation : 3.48

Coordinate X = 53134.333 Y = 11877.882
Commenced : Oct. 17, '87
Completed : Oct. 8, '87
Logged by : TRAN MOAN LAM
Approved : Checked : GUY BUC THAI
Simplified : 28470/1187
Sheet 1. of 2.

INDIAN ENGINEERING CONSULTANTS
CORPORATION (I.E.C.)

BOREHOLE LOG



Project : IMPROVEMENT OF TANK DE
DRAINAGE SYSTEM
Location : RAJNAND STATION
Borehole : TGS
Depth (m) : 27.00
Elevation : 3.48

Coordinate X = 53153.003 Y = 11917.500
Commenced : Oct. 14, '87
Completed : Oct. 5, '87
Logged by : TRAN MOAN LAM
Approved : Checked : GUY BUC THAI
Simplified : 28470/1187
Sheet 1. of 2.

SOIL DESCRIPTION (name, group symbol, colour, consistency, relative density, water content, grading etc.)	Legend	Depth (m)	STANDARD PENETRATION TEST					SPT Value	SAMPLE TYPE	Coring method
			No. of blows/30cm							
			5	10	15	20	25			
Top cultivation soil (0.00 - 0.30 m) Lean CLAY (CL) : Brownish and yellowish to bluish grey, moist, stiff, plastic.		0 - 0.30	3	3	3	3	3		○ 110	
Clayey SAND (SC) : Brownish and yellowish bluish grey, saturated, loose.		0.30 - 4.0	3	3	3	3	3		○ 110	
Lean CLAY (CL) : Reddish brown mottled yellowish to bluish grey, m-s to s-ls, moist, soft - firm, plastic.		4.0 - 6.0	4	4	4	4	4		○ 110	
Lean CLAY (CL) : Blackish grey to grey with a little organic matter, moist, soft, plastic.		6.0 - 12.0	4	3	3	3	3		○ 110	
Silty SAND (SM) : Fine to medium grained, grey to brownish grey, saturated, medium dense.		12.0 - 15.0	3	3	3	3	3		○ 110	
Lean CLAY (CL) to CLAY with sand, reddish brown, yellowish to bluish grey, moist, firm, plastic.		15.0 - 17.0	4	4	4	4	4		○ 110	
Lean CLAY (CL) to CLAY with sand, reddish brown, yellowish to bluish grey, moist, firm, plastic.		17.0 - 21.0	2	2	2	2	2		○ 110	
Clayey SAND (SC) : Brownish and whitish grey to grey, saturated, loose.		21.0 - 24.0	2	2	2	2	2		○ 110	
Bottom at 27.0 m		24.0 - 27.0	3	3	3	3	3		○ 110	

SOIL DESCRIPTION (name, group symbol, colour, consistency, relative density, water content, grading etc.)	Legend	Depth (m)	STANDARD PENETRATION TEST					SPT Value	SAMPLE TYPE	Coring method
			No. of blows/30cm							
			5	10	15	20	25			
Top cultivation soil (0.00 - 0.30 m) Lean CLAY (CL) : Greyish brown and yellowish to bluish grey, moist, firm - soft, plastic.		0 - 0.30	3	3	3	3	3		○ 110	
Clayey SAND (SC) : Brownish and yellowish to yellowish grey, saturated, loose.		0.30 - 4.0	3	3	3	3	3		○ 110	
Lean CLAY (CL) : Reddish brownish mottled yellowish to bluish grey, moist, stiff, plastic.		4.0 - 6.0	3	3	3	3	3		○ 110	
Lean CLAY to lean CLAY with sand (CL) : Blackish grey to black, with a little organic matter, moist, soft - firm, plastic.		6.0 - 12.0	2	2	2	2	2		○ 110	
Silty SAND with gravel (SM) : Medium - coarse grained, grey to brownish grey, saturated, loose.		12.0 - 15.0	1	1	1	1	1		○ 110	
Lean CLAY (CL) to plastic clayey SAND (SC) : Bluish to yellowish grey mottled reddish brown, moist, firm - stiff, plastic.		15.0 - 17.0	3	3	3	3	3		○ 110	
Clayey SAND (SC) : Yellowish and brownish grey to grey, saturated, loose - medium dense.		17.0 - 21.0	3	3	3	3	3		○ 110	
Bottom at 27 m.		21.0 - 27.0	3	3	3	3	3		○ 110	

Legend: ○ Ordinary undisturbed sample
□ Continuous double undisturbed sample for blowed test

BOREHOLE LOG



Project : IMPROVEMENT OF IAN 04
 Location : DAMBADE EFT/2
 Borehole : TC 6
 Depth (m) : 29.00
 Elevation : 4.87

Coordinate X = 53 108 772 Y = 11 800 730
 Commented : Oct 2nd, 87
 Completed : Oct 3rd, 87
 Logged by : TRINADANG LIM
 Applied :
 Checked : GUY DUC THAI
 Stabilized : 2 87/10/897
 Sheet 1. of 3.

SOIL DESCRIPTION (name, group symbol, colour, consistency, relative density, water content, grading etc.)	Legend	Depth (m)	STANDARD PENETRATION TEST					SPT TYPE	Drilling Remarks
			No. of blows/30cm	No. of blows/30cm					
			6	10	15	20	25		
Top extension soil (0.00 - 0.30 m) BACKFILL - Lean CLAY (CL); Yellowish to whitish grey, moist, stiff, plastic.		0.30	3	3	3				
Lean CLAY (CL); Brownish and yellowish to bluish grey, moist, stiff, plastic.		0.30 - 3.00	3	4	4				
Clayey SAND (SC); yellowish and bluish to blackish grey, saturated, loose.		3.00 - 6.00	2	2	3				
Lean CLAY (CL); Reddish brown mottled yellowish and bluish to whitish grey; moist, firm, plastic.		6.00 - 10.00	3	3	3				
Lean CLAY (CL); Grey to blackish grey, rarely organic matters, moist, firm, plastic.		10.00 - 13.00	3	3	3				
Silty SAND with gravel (SM); medium to coarse grained, grey to brownish grey, saturated, medium dense.		13.00 - 15.00	4	5	6				
Lean CLAY (CL) & in place clayey SAND (SC); Bluish grey mottled reddish brown, moist, firm, stiff, plastic.		15.00 - 20.00	3	3	3				
Clayey SAND (SC); Brownish to yellowish grey, saturated, loose - medium dense.		20.00 - 25.00	2	3	2				
Silty SAND with gravel (SM); Brownish to blackish grey, saturated, medium dense.		25.00 - 28.00	4	5	8				
Bottom at 29.00 m		29.00	5	4	5				

BOREHOLE LOG



Project : IMPROVEMENT OF IAN 04
 Location : DAMBADE EFT/2
 Borehole : TC 7
 Depth (m) : 29.00
 Elevation : 4.85

Coordinate X = 53 111 877 Y = 11 808 214
 Commented : Sep 30th, 87
 Completed : Oct 1st, 87
 Logged by : TRINADANG LIM
 Applied :
 Checked : GUY DUC THAI
 Stabilized : 2 85/10/1007
 Sheet 1. of 3.

SOIL DESCRIPTION (name, group symbol, colour, consistency, relative density, water content, grading etc.)	Legend	Depth (m)	STANDARD PENETRATION TEST					SPT TYPE	Drilling Remarks
			No. of blows/30cm	No. of blows/30cm					
			6	10	15	20	25		
Top extension soil (0.00 - 0.30 m) BACKFILL - Lean CLAY (CL); Yellowish to whitish grey, moist, firm, plastic.		0.30	3	3	3				
Lean CLAY (CL); Brownish and yellowish to bluish grey, moist, firm, plastic.		0.30 - 4.00	3	3	3				
Clayey SAND (SC); yellowish and bluish to blackish grey, saturated, loose.		4.00 - 7.00	2	3	3				
Lean CLAY to lean CLAY with sand (CL); Reddish brown mottled yellowish to whitish grey, moist, firm, plastic.		7.00 - 13.00	2	2	3				
Clayey SAND (SC); Grey to blackish grey, saturated, loose.		13.00 - 14.00	1	2	2				
Silty SAND (SM); Grey, medium grained, with some small gravel, saturated, loose.		14.00 - 16.00	3	4	4				
Sandy lean CLAY (CL); Bluish grey mottled reddish brown, moist, firm, plastic.		16.00 - 20.00	2	2	2				
Clayey SAND (SC); Brownish to yellowish grey, saturated, loose.		20.00 - 24.00	3	3	2				
Silty SAND (SM); Brownish to blackish grey, medium dense.		24.00 - 25.00	3	3	4				
Silty SAND with gravel (SM); medium - coarse grained, grey to brownish grey, saturated, medium dense.		25.00 - 27.00	4	4	5				
Bottom at 29.00 m		29.00	5	4	5				

Remarks:
 1 Ordinary undisturbed sample
 2 Continuous double undisturbed sample for triaxial test

BOREHOLE LOG



Project : IMPROVEMENT OF TAN CHH
DRAINAGE SYSTEM
Location : EMBANKMENT
Borehole : TC 12
Depth (m) : 25.00
Elevation (m) : 10.82

Coordinate X = 32 892.000 Y = 11 601.350
Commenced : Oct 17th, 97
Completed : Oct 18th, 97
GWL Date :
Appeared :
Stabilized : 5.12, 10/1997
Logged by : TRAN HOANG LAN
Checked : GIAP DUC THAI
Sheet 1. of 2.

SOIL DESCRIPTION (name, group symbol, colour, consistency, relative density, water content, grading etc.)	Legend	Depth (m)	STANDARD PENETRATION TEST					Cone resistance percentage (%)	SAMPLE TYPE		Drilling method	
			No. of blows/10cm	No. of blows/30cm					U6	BS		
				5	10	15	20					25
BACKFILL - Lean CLAY (CL) to fat CLAY (CH); Brownish to yellowish grey, moist, stiff, plastic.	[Cross-hatched pattern]	1 2 3 4 5	2 2 3 4 3	4 4 4 4 3	4 4 4 4 3	4 4 4 4 3		T 45 T 46		Drilling with alloy bit ϕ 91 mm		
Lean CLAY (CL) to fat CLAY (CH); Brown to brownish grey, moist, stiff, plastic.	[Diagonal lines pattern]	6 7 8 9 10	4 4 4 4 4	5 5 5 5 5	5 5 5 5 5	5 5 5 5 5	100	T 47		Drilling with alloy bit ϕ 91 mm		
Lean CLAY (CL). In place clayey SAND with laterite; reddish brown mottled yellowish and bluish grey, moist, stiff - firm, plastic.	[Diagonal lines pattern]	11 12 13 14 15	4 4 4 4 2	5 5 5 5 2	5 5 5 5 2	5 5 5 5 2		T 48		Drilling with alloy bit ϕ 91 mm		
Clayey SAND (SC); Fine grained. Grey, yellowish grey, saturated, loose - medium dense.	[Dotted pattern]	16 17 18 19 20	2 2 2 2 4	2 2 2 3 5	2 2 2 3 4	2 2 2 3 4				Drilling with alloy bit ϕ 91 mm		
Clayey SAND (SC); Fine grained. Grey, yellowish grey, saturated, loose - medium dense.	[Dotted pattern]	21 22	4 3	3 3	4 3	4 3	80			Drilling with alloy bit ϕ 91 mm		
Lean CLAY to lean CLAY with sand (CL); Reddish brown mottled yellowish to whitish grey; moist, firm - stiff, plastic.	[Diagonal lines pattern]	23 24	2 2	3 3	3 3	3 3	100			Drilling with alloy bit ϕ 91 mm		
		25	2	3	2	2						

Remark:

BOREHOLE LOG



Project : IMPROVEMENT OF TAN CHI
DRAINAGE SYSTEM
Location : EMBANKMENT
Borehole : **TC 13**
Depth (m) : 20.00
Elevation (m) : 5.92

Coordinate X = 32 869.950
Y = 11 813.000
Commenced : Oct. 21st, 97
Completed : Oct. 22nd, 97
Logged by : TRAN HOANG LAN
Checked : GIAP DUC TINH
GWL /date :
Appeared :
Stabilized : 5.32 / 10/23/97

Sheet 1 . of . 1 .

SOIL DESCRIPTION (name, group symbol, colour, consistency, relative density, water content, grading etc.)	Legend 1:100	Depth (m)	STANDARD PENETRATION TEST					Core recovery percentage (%)	SAMPLE TYPE		Drilling method	
			Nos of blows/10cm	Nos of blows/30cm					UD	DS		
				5	10	15	20					25
Stones separated by very weak mortar.		.4										
Lean CLAY (CL): brownish and yellowish grey, moist, firm, plastic.		1	1	2	2						Φ110	
Fat CLAY (CH): Grey to blackish grey, wet, soft, highly plastic.		2	2	2	2							
Lean CLAY (CL): Brownish grey to brown; moist, soft - firm, plastic.		3	2	2	2					T 49		
		4								T 50		
		5	2	3	4					T 51		
		6	2	3	4					T 52		
Lean CLAY to lean CLAY with sand (CL): Reddish brown mottled yellowish to bluish grey, moist, stiff, plastic.		7										
		8	3	4	5							
		9	2	2	2							
		10										
Clayey SAND (SC): Fine grained, Brownish and yellowish grey, saturated, loose - medium dense.		11										
		12	2	2	3							
		13	2	3	4							
		14										
		15	3	4	4							
Silty SAND (SM): Fine to medium grained, yellowish and brownish grey, saturated, medium dense.		16	4	4	5							
		17										
		18	4	7	5							
Lean CLAY with sand (SC): Reddish brown mottled bluish grey, moist, firm - stiff, plastic.		19	3	3	4							
Bottom at 20 m		20	2	3	3							

Remark : ■ Ordinary undisturbed sample
□ Continuous double undisturbed sample for triaxial test

BOREHOLE LOG



Project : IMPROVEMENT OF TAN CHI
DRAINAGE SYSTEM
Location : EMBANKMENT
Borehole : TC 14
Depth (m) : 20.00
Elevation : 7.07

Coordinate X = 32 877.000 Y = 11 797.050
Commenced : Oct. 16th, 97
Completed : Oct. 16th, 97
Logged by : TRAN HOANG LAN
Checked : GIAP DUC TINH
GWL /date :
Appeared :
Stabilized : 6.07 , 10/18/97

Sheet 1 . . of . 1 . .

SOIL DESCRIPTION (name, group symbol, colour, consistency, relative density, water content, grading etc.)	Legend	Depth (m)	STANDARD PENETRATION TEST					Core recovery percentage (%)	SAMPLE TYPE		Drilling method	
			Nos of blows/10cm	Nos of blows/30cm					UD	DS		
				5	10	15	20					25
Lean CLAY - accumulative soil: Brown; mois, soft.		0.8						100			Φ110	
Separated by very weak mortar		2					60					
Lean CLAY (CL): Brownish and yellowish, moist, soft, plastic.		3	1	1	1					T 53		
Lean CLAY (CL) to fat CLAY (CH): Grey to blackish grey, wet, firm, highly plastic.		4	2	2	1							
		5	3	4	5							
		6	3	4	4		100					
		7	3	4	4							
Lean CLAY (CL): Reddish brown mottled yellowish to bluish grey, moist, stiff - firm, plastic.		8	4	4	5							
		9	4	4	5							
		10	3	4	4							
		11	2	2	3		60					
Clayey SAND (SC): Yellowish to brownish grey, saturated, loose.		12	2	2	3		100				T 54	
		13	2	2	2							
		14	1	2	2							
Clayey SAND (SC): Fine grained. Grey and brownish grey, saturated, loose.		15	2	2	3		60					
		16	2	2	3							
		17	2	3	2							
		18	2	3	2							
Silty SAND (SM): Medium grained with some small gravels, grey to yellowish grey, saturated, loose.		19	3	3	3							
Bottom at 20 m		20	3	3	3							
Remark:												

各地層の地質常数

名称		記号	層1	層2	層3	層3 a	層3 b	層4
			盛土	現地盤	現地盤	現地盤	現地盤	現地盤
地質分類			CH	CH	CL	SC	SC	CL
アッター ベルグ限 界	液性限界	%	58	52.1	47.7	26.7	26.4	36.6
	塑性限界	%	29.2	27.1	26.2	15.6	16.1	20.4
	PI	%	28.8	25.0	21.6	10.6	10.3	16.2
	LI		0.0082	0.235	0.577	0.314	0.219	0.434
土の物理 的性質	含水比	W	31.0	31.8	38.1	19.1	18.5	26.7
	湿潤密度	Rw	1.85	1.86	1.77	2.01	2.01	1.90
	乾燥密度	Rc	1.42	1.41	1.28	1.68	1.7	1.50
	絶対密度	Δ	2.75	2.73	2.69	2.69	2.68	2.73
	間隙比	e	0.941	0.939	1.10	0.597	0.585	0.817
	間隙度	N	48.4	48.4	52.4	37.3	36.6	44.9
	飽和度	G	90.4	92.3	92.9	86.4	84.3	89.3
	透水係数	K	1.93	2.27	7.11	42.73	35.7	21.4
DS 土質定数	ϕ (deg)		12° 44	12° 55	9° 14	18° 25	19° 21	14° 56
	C (kg/cm ²)		0.25	0.24	0.11	0.18	0.198	0.19
UU 土質定数	ϕ'		12° 49	11° 38	9° 01	19° 37	20° 21	15° 14
	C'		0.348	0.381	0.129	0.159	0.203	0.19
先行圧密	Σc (kg/cm ²)		1.14	1.14	0.9	1.03	1.023	1.17

Table 3 - 1/6

SOIL PROPERTIES

LAYER 1: BACKFILL - Lean to fat CLAY

Lab. No			T1	T39	T41	T45	T46			
Sample No										
Bore hole No			TC8	TC9	TC10	TC12	TC12	SUM	AVERAGE	
Depth (m)			0.80	2.33	3.55	2.78	3.10			
from...			1.00	2.55	4.00	3.00	3.60			
to...										
PARTICLE SIZE DISTRIBUTION % -mm	Clay	BS	ASTM							
		<0.002	<0.005	32.0	55.0	31.0	41.0	37.0	196.0	39.2
	Silt	.002-.063	.005 - .020	14.0	16.0	28.0	26.0	29.0	113.0	22.6
			.050 - .075	42.0	27.0	36.0	28.0	27.0	160.0	32.0
			.075 - .425	10.0	1.0	4.0	3.0	3.0	21.0	4.2
	Sand	.063-2.0	.425 - 2.0	1.0	1.0	1.0	2.0	4.0	9.0	1.8
			2.0 - 4.75	1.0					1.0	0.2
		4.75-20.0								
Gravel	2.0-63.0	20.0-75.0								
		75.0-300.0								
Cobble	>63.0									
ATTEB LIMITS	Liquid Limit (%)		41.5	64.7	54.1	66.3	63.5	290.1	58.0	
	Plastic Limit (%)		22.5	32.7	28.1	32.4	30.5	146.2	29.2	
	Plasticity Index (%)		19.0	32.0	26.0	33.9	33.0	143.9	28.8	
	Liquidity Index		0.326	0.075	0.019	0.006	-0.018	0.408	0.082	
PHYSICAL PROPERTIES	Water Content (%) W		28.7	35.1	28.6	32.6	29.9	154.9	31.0	
	Wet Density (g/cm ³) γ_w		1.91	1.83	1.85	1.80	1.88	9.27	1.85	
	Dry Density (g/cm ³) γ_c		1.48	1.35	1.44	1.36	1.45	7.08	1.42	
	Specific Gravity Δ		2.74	2.73	2.76	2.74	2.76	13.73	2.75	
	Void Ratio ϵ		0.846	1.015	0.919	1.018	0.907	4.705	0.941	
	Porosity (%) n		45.8	50.4	47.9	50.5	47.6	242.2	48.4	
	Degree of Saturation (%) G		92.7	94.4	86.0	87.9	91.1	452.1	90.4	
	Coeff. of Permeab. (cm/s) $\times 10^{-7}$			0.35		3.50		3.85	1.93	
DS	SHEARING STRENGTH		ϕ (Deg)	13 ^o 26	11 ^o 18		13 ^o 29		38 ^o 13	12 ^o 44
			C (KG/cm ²)	0.270	0.210		0.27		0.75	0.25
UU	PARAMETERS		ϕ' (Deg)			12 ^o 55		12 ^o 44	25 ^o 39	12 ^o 49
			C' (KG/cm ²)			0.333		0.362	0.695	0.348
UN. COM. STRENGTH		Strain (%) (KG / cm ²)								
PROCTOR COMPACTION		Optimum Moisture % Max Dry Dens. g/cm ³								
ONE-DIMENS. CONS.										
Coefficient of Compressibility a_v (cm ² /KG)		$\sigma_n = 0 - 0.125$								
		-0.250								
		-0.500		0.043	0.048		0.087		0.178	0.059
		-1.000		0.032	0.037		0.045		0.114	0.038
		-2.000		0.030	0.030		0.028		0.088	0.029
		-4.000		0.021	0.019		0.015		0.055	0.018
-8.000										
Precons. Press.		σ_c KG/cm ²		1.19	1.25		0.98		3.42	1.14
SOIL CLASSIFICATION (ASTM)				CL	CH	CH	CH	CH		

Table 3 - 2/6

SOIL PROPERTIES

LAYER 2: Lean to fat CLAY

Lab. No			T2	T26	T29	T43	T47	T50			
Sample No			TC8	TC1	TC2	TC11	TC12	TC13	SUM	AVERAGE	
Bore hole No			4.30	4.70	4.00	8.50	8.50	3.50			
Depth (m)			4.52	4.92	4.22	8.70	9.00	3.72			
PARTICLE SIZE DISTRIBUTION % -mm	Clay	BS	ASTM								
		<0.002	<0.005	34.0	32.0	30.0	48.0	51.0	50.0	245.0	40.8
	Silt	0.002-0.063	0.005 - .020	11.0	18.0	17.0	20.0	18.0	19.0	103.0	17.2
			0.050 - .075	31.0	43.0	46.0	29.0	30.0	30.0	209.0	34.8
	Sand	.063-2.0	0.075 - .425	24.0	5.0	7.0	2.0	1.0	1.0	40.0	6.7
			.425 - 2.0		1.0		1.0			2.0	0.3
			2.0 - 4.75		1.0					1.0	0.2
Gravel	2.0-63.0	4.75-20.0									
Cobble	>63.0	75.0-300.0									
ATTEB LIMITS			43.5	52.9	45.6	63.7	65.7	41.3	312.7	52.1	
Liquid Limit (%)			23.0	29.1	25.0	30.6	30.8	24.1	162.6	27.1	
Plastic Limit (%)			20.5	23.8	20.6	33.1	35.0	17.2	150.2	25.0	
Plasticity Index (%)			0.073	0.286	0.515	0.027	0.026	0.535	1.408	0.235	
Liquididity Index											
PHYSICAL PROPERTIES	Water Content (%) W		24.5	35.9	35.6	29.7	31.7	33.3	190.7	31.8	
	Wet Density (g/cm ³) γ_w		1.89	1.83	1.83	1.88	1.88	1.84	11.15	1.86	
	Dry Density (g/cm ³) γ_c		1.52	1.35	1.35	1.45	1.43	1.38	8.48	1.41	
	Specific Gravity Δ		2.73	2.74	2.74	2.75	2.75	2.69	16.40	2.73	
	Void Ratio e		0.798	1.035	1.030	0.897	0.926	0.949	5.635	0.939	
	Porosity (%) n		44.4	50.9	50.7	47.3	48.1	48.7	290.1	48.4	
	Degree of Saturation (%) G		83.9	95.1	94.7	91.1	94.3	94.4	553.5	92.3	
Coeff. of Permeab. (cm/s) $\times 10^{-7}$		5.3	3.10	1.90	0.42	0.63		11.35	2.27		
DS	SHEARING STRENGTH	ϕ (Deg)	15°53	13°30	15°16	11°08		9°16	64°37	12°55	
		C (KG/cm ²)	0.340	0.200	0.160	0.38		0.14	1.22	0.24	
UU	PARAMETERS	ϕ' (Deg)					11°38		11°38	11°38	
		C' (KG/cm ²)					0.381		0.381	0.381	
UN. COM. STRENGTH		Strain (%) (KG / cm ²)									
PROCTOR COMPACTION		Optimum Moisture % Max Dry Dens. g/cm ³									
ONE-DIMENS. CONS.											
Coefficient of Compressibility a_v (cm ² /KG)	$\sigma_n = 0-0.125$										
	-0.250										
	-0.500		0.050	0.115	0.094	0.048		0.089	0.396	0.08	
	-1.000		0.037	0.058	0.060	0.031		0.059	0.245	0.05	
	-2.000		0.031	0.044	0.045	0.024		0.038	0.182	0.04	
	-4.000		0.020	0.028	0.028	0.015		0.023	0.114	0.02	
-8.000											
Precons. Press. σ_c KG/cm ²			1.25	1.17	1.21	1.10		0.99	5.72	1.14	
SOIL CLASSIFICATION (ASTM)											
			CL	CH	CL	CH	CH	CL			

Table 3 - 3/6

SOIL PROPERTIES
LAYER 3: Lean to fat CLAY

Lab. No			T16	T17	T20	T21	T6	T3	T49	T53			
Sample No													
Bore hole No			TC4	TC4	TC5	TC5	TC6	TC8	TC13	TC14	SUM	AVERAGE	
Depth (m)			11.10	11.60	11.28	11.50	11.10	13.60	3.0	3.58			
from...													
to...			11.55	11.80	11.50	12.00	11.60	13.82	3.5	3.8			
PARTICLE SIZE DISTRIBUTION % -mm	Clay	BS											
		ASTM											
	Silt	<0.002	<0.005	27.0	21.0	17.0	18.0	23.0	51.0	47.0	36.0	240.0	30.0
		002-0.063	005-0.020	24.0	24.0	23.0	20.0	22.0	24.0	17.0	33.0	187.0	23.4
	Sand	0.050-0.075	0.050-0.075	47.0	50.0	55.0	55.0	50.0	24.0	35.0	30.0	346.0	43.2
		0.063-2.0	0.075-0.425	2.0	5.0	5.0	7.0	5.0	1.0	1.0	1.0	27.0	3.4
		0.425-2.0											
Gravel	2.0-4.75												
	2.0-63.0	4.75-20.0											
Cobble	>63.0	20.0-75.0											
ATTEBB LIMITS	Liquid Limit (%)		48.1	36.2	42.5	42.2	42.6	62.4	55.0	52.8	381.8	47.7	
	Plastic Limit (%)		26.3	21.1	24.8	24.3	24.1	32.7	28.3	27.6	209.4	26.2	
	Plasticity Index (%)		21.8	15.1	17.7	17.9	18.5	29.7	26.7	25.0	172.4	21.6	
	Liquidity Index		0.560	0.887	0.633	0.631		0.424	0.345	0.560	4.040	0.577	
PHYSICAL PROPERTIES	Water Content (%)	W	38.5	34.5	36.0	35.6	35.2	45.3	37.5	41.8	304.4	33.1	
	Wet Density (g/cm ³)	γ _w	1.74	1.82	1.75	1.78	1.76	1.75	1.79	1.76	14.15	1.77	
	Dry Density (g/cm ³)	γ _c	1.28	1.35	1.29	1.31	1.30	1.20	1.30	1.24	10.25	1.28	
	Specific Gravity	Δ	2.70	2.67	2.68	2.69	2.68	2.65	2.71	2.74	21.52	2.69	
	Void Ratio	ε	1.149	0.973	1.083	1.049	1.059	1.200	1.082	1.208	8.603	1.100	
	Porosity (%)	n	53.5	49.3	52.0	51.2	51.4	54.6	52.0	54.7	365.7	52.4	
	Degree of Saturation (%)	G	90.5	94.7	89.1	91.3	89.1	99.6	93.8	94.7	742.8	92.9	
	Coeff. of Permeab. (cm/s) × 10 ⁻⁷			8.6						5.62	14.22	7.11	
D S	SHEARING STRENGTH	φ (Deg)		9°22	10°12			9°05		8°20	36°59	9°14	
		C _v (KG/cm ²)		0.110	0.120			0.100		0.09	0.42	0.11	
UU	PARAMETERS	φ (Deg)	8°19			8°30	11°00		8°17		36°05	9°01	
		C _v (KG/cm ²)	0.101			0.101	0.148		0.165		0.515	0.129	
UN. COM. STRENGTH	Strain (%)												
PROCTOR COMPACTION	Optimum Moisture %												
	Max Dry Dens. g/cm ³												
ONE-DIMENS. CONS.													
Coefficient of Compressibility a _v (cm ² /KG)	σ _v = 0-0.125												
	-0.250		0.136	0.144						0.280	0.140		
	-0.500		0.112	0.115			0.060		0.132	0.419	0.105		
	-1.000		0.076	0.076			0.060		0.078	0.290	0.073		
	-2.000		0.050	0.040			0.046		0.055	0.191	0.048		
	-4.000						0.034		0.036	0.070	0.035		
-8.000													
Precons. Press.	σ _c KG/cm ²		0.84	0.8			1.06		0.91	3.61	0.90		
SOIL CLASSIFICATION (ASTM)													
			CL	CL	CL	CL	CL	MH	CH	CH			

Table 3 -4/6

SOIL PROPERTIES
LAYER 3a: Clayey SAND

Lab. No			T24	T25	T13	T54	SUM	AVERAGE	
Sample No			TC5	TC5	TC7	TC14			
Bore hole No			22.50	24.00	22.40	12.78			
Depth (m)			from...	23.00	24.22	22.90	13.00		
to...									
PARTICLE SIZE DISTRIBUTION % -mm	Clay	BS	ASTM						
		<0.002	<0.005	10.0	10.0	12.0	10.0	42.0	10.5
	Silt	.002-.063	.005-.020	7.0	8.0	9.0	6.0	30.0	7.5
			.050-.075	13.0	13.0	12.0	31.0	69.0	17.2
	Sand	.063-2.0	.075-.425	65.0	65.0	66.0	49.0	246.0	61.5
			.425-2.0	4.0	4.0	1.0	4.0	13.0	3.3
			2.0-4.75						
Gravel	2.0-63.0	4.75-20.0							
		20.0-75.0							
Cobble	>63.0	75.0-300.0							
ATTEB LIMITS	Liquid Limit (%)		25.6	25.5	29.4	26.2	106.7	26.7	
	Plastic Limit (%)		15.8	16.0	16.5	14.2	62.5	15.6	
	Plasticity Index (%)		9.8	9.3	12.9	10.5	42.5	10.6	
	Liquidty Index		0.429	0.074	0.419	0.333	1.255	0.314	
PHYSICAL PROPERTIES	Water Content (%)	W	20.0	16.7	21.9	17.7	76.3	19.1	
	Wet Density (g/cm ³)	γ _w	2.03	1.94	1.95	2.10	8.02	2.01	
	Dry Density (g/cm ³)	γ _c	1.69	1.66	1.60	1.78	6.73	1.68	
	Specific Gravity	Δ	2.67	2.68	2.72	2.67	10.74	2.69	
	Void Ratio	ε	0.578	0.612	0.700	0.496	2.386	0.597	
	Porosity (%)	n	36.6	38.0	41.2	33.2	149.0	37.3	
	Degree of Saturation (%)	G	92.3	73.1	85.1	95.0	345.5	86.4	
Coeff. of Permeab. (cm/s) × 10 ⁻⁷			56.00	26.0	46.20	128.20	42.73		
DS	SHEARING STRENGTH	φ (Deg)		18.25			18.25	18.25	
		C (KG/cm ²)		0.180			0.180	0.180	
UU	PARAMETERS	φ' (Deg)	19°15		19°59		39°14	19°37	
		C' (KG/cm ²)	0.210		0.107		0.317	0.159	
UN. COM. STRENGTH		Strain (%) (KG/cm ²)							
PROCTOR COMPACTION		Optimum Moisture % Max Dry Dens. g/cm ³							
ONE-DIMENS. CONS.									
Coefficient of Compressibility a _v (cm ² /KG)	σ _n = 0-0.125								
	-0.250								
	-0.500			0.069			0.069	0.07	
	-1.000			0.030			0.030	0.03	
	-2.000			0.017			0.017	0.02	
	-4.000			0.009			0.009	0.01	
-8.000									
Precons. Press.		σ _c KG/cm ²		1.03			1.03	1.03	
SOIL CLASSIFICATION (ASTM)									
			SC	SC	SC	SC			

Table 3 -6/6

SOIL PROPERTIES
LAYER 4: Lean CLAY, in place clayey sand

Lab. No		T31	T32	T14	T18	T19	T22	T23	T4	T5	T7	T8	T9	T10	T11	T12	T42	T44	T48	T51	T52	SUM	AVERAGE			
Sample No		TC2	TC2	TC3	TC3	TC5	TC5	TC5	TC6	TC6	TC6	TC6	TC7	TC7	TC7	TC7	TC10	TC11	TC12	TC13	TC13					
Bore hole No																										
Depth (m)		from...	to...																							
PARTICLE SIZE DISTRIBUTION % -mm	Clay	BS	ASTM																							
		<0.002	<0.005	16.0	21.0	19.0	18.0	39.0	20.0	22.0	38.0	24.0	19.0	21.0	33.0	33.0	30.0	30.0	22.0	28.0	19.0	20.0	33.0	497.0	249	
	Silt	.002-.063	.005-.020	12.0	10.0	8.0	8.0	15.0	10.0	9.0	14.0	17.0	10.0	8.0	11.0	21.0	7.0	5.0	10.0	15.0	8.0	10.0	22.0	230.0	115	
		.060-.075		49.0	22.0	18.0	14.0	43.0	18.0	20.0	43.0	50.0	17.0	18.0	37.0	41.0	24.0	24.0	24.0	41.0	20.0	49.0	39.0	611.0	30	
	Sand	.063-2.0	.075-.425	22.0	47.0	55.0	62.0	9.0	52.0	49.0	4.0	8.0	54.0	53.0	18.0	5.0	29.0	38.0	42.0	13.0	17.0	20.0	6.0	601.0	30.0	
		425-2.0		1.0							1.0	1.0			3.0	10.0	3.0	1.0	2.0	0.0	1.0			23.0	1.2	
Gravel	2.0-4.75																1.0	1.0	14.0				18.0	0.8		
	4.75-20.0																		22.0				22.0	1.1		
Cobble	20.0-75.0																									
	>75.0	>300.0																								
ATTEBS LIMITS	Liquid Limit (%)			32.2	31.8	28.8	27.9	48.0	32.2	32.9	43.7	39.8	31.7	32.0	43.5	45.1	38.3	32.6	36.3	37.8	44.3	31.1	44.2	732.2	366	
	Plastic Limit (%)			17.7	18.4	17.3	16.3	25.0	18.4	18.4	23.3	21.6	18.4	18.7	23.1	25.0	20.0	18.7	20.3	20.6	24.0	18.1	25.3	408.8	204	
	Plasticity Index (%)			14.5	13.4	11.5	11.6	23.0	13.8	14.5	20.4	18.0	13.3	13.3	20.4	20.1	18.3	13.9	16.0	17.2	20.3	13.0	18.9	373.4	182	
	Liquidity Index			0.676	0.552	0.899	0.784	0.209	0.514	0.593	0.196	0.389	0.669	0.647	0.216	0.164	0.442	0.640	0.294	-0.090	0.128	0.600	0.164	8.674	0.434	
PHYSICAL PROPERTIES	Water Content (%)	W		27.5	25.8	27.6	25.4	29.8	25.5	27.0	27.3	28.8	27.3	27.3	27.5	28.3	27.2	27.6	25.0	18.9	26.6	25.9	28.4	534.7	267	
	Wet Density (g/cm ³)	γ _w		1.86	1.92	1.88	1.92	1.90	1.89	1.90	1.90	1.81	1.87	1.88	1.93	1.91	1.98	1.88	1.90	2.03	1.92	1.91	1.91	38.08	1.90	
	Dry Density (g/cm ³)	γ _d		1.48	1.53	1.47	1.53	1.46	1.51	1.50	1.49	1.41	1.47	1.46	1.51	1.49	1.55	1.47	1.52	1.71	1.52	1.52	1.49	30.07	1.50	
	Specific Gravity	Δ		2.71	2.74	2.73	2.73	2.71	2.73	2.74	2.74	2.72	2.74	2.74	2.78	2.72	2.70	2.69	2.70	2.75	2.78	2.71	2.72	54.54	2.75	
	Void Ratio	e		0.858	0.795	0.853	0.783	0.851	0.813	0.831	0.836	0.936	0.865	0.875	0.823	0.827	0.742	0.826	0.776	0.811	0.820	0.786	0.829	16.336	0.817	
	Porosity (%)	n		46.2	44.3	46.0	43.9	46.0	44.8	45.4	45.5	48.3	46.4	46.7	45.2	45.3	42.6	45.2	45.7	37.9	45.1	44.0	45.3	897.8	44.9	
	Degree of Saturation (%)	G		86.9	88.9	88.3	88.6	94.9	85.7	89.0	89.5	83.7	86.5	85.5	92.2	93.1	99.5	89.9	86.9	85.2	89.7	89.4	93.4	1786.8	89.3	
Coef. of Permeab. (cm/s) = 10 ⁻⁷			56.00		48.0		7.95	26.00		9.6		25.0		1.8	4.2	1.0					37.1		214.5	21.4		
UU DS	SHEARING STRENGTH	φ (Deg)			16°41		14°15	12°44		12°34				17°44	13°03			16°11						119°30	14°56	
	PARAMETERS	c' (KG/cm ²)			0.130		0.180	0.090		0.240				0.110	0.110			0.315		0.131		0.352		14°30	152°20	
		φ' (Deg)		12°57	16°20		16°20		16°51		15°12	17°09						14°02		13°24		18°35		14°30	152°20	
UN. COM. STRENGTH	PROCTOR COMPACTION	Optimum Moisture %																								
		Max Dry Dens. g/cm ³																								
ONE-DIMENS CONS.																										
Coefficient of Compressibility & (cm ² /KG)	α _n = 0 -0.125																									
	-0.250																									
	-0.500							0.124		0.048			0.142	0.090		0.057		0.044						0.505	0.084	
	-1.000						0.086		0.036		0.065	0.046		0.032		0.029		0.029							0.274	0.046
	-2.000						0.047		0.029		0.039	0.033		0.027		0.027		0.024							0.199	0.023
	-4.000						0.029		0.018		0.023	0.022		0.023		0.023		0.015							0.130	0.022
-6.000																										
Precons. Press.	σ _c	KG/cm ²				1.05			1.11				1.05	1.23		1.41		1.14						6.99	1.17	
SOIL CLASSIFICATION (ASTM)																										
		CL	CL	SC	SC	CL	SC	CL	CL	CL	SC	SC	CL	CL	CL	CL	CL	CL	SC	CL	CL					

添付資料④ ヴィエトナム側負担経費の明細

(Unit : million dong)

Item	Without the Scope of G.A. Project				Within the Scope of G.A. Project				Grand Total
	Qty.	Unit	Unit Price	Price.	Qty.	Unit	Unit price	Price	
1. Construction Cost									
1)Direct Construction Cost	1	L.S.	33,724	33,730	0	L.S.	0	0	33,730
2)Common Temporary Work	1	L.S.	3,620	3,620	0	L.S.	0	0	3,620
3)Site Expenditure	1	L.S.	13,541	13,550	0	L.S.	0	0	13,550
4)Over Head	1	L.S.	3,372	3,380	0	L.S.	0	0	3,380
Sub Total				54,280					54,280
2. Association Cost									
1)Land Acquisition Cost	7.5	Ha	153	1,150	2.5	Ha	153	390	1,540
2)Banking Commission	0	L.S.		0	1	L.S.		120	120
3)Rehabilitation of Electric line to New P.S	0	L.S.		0	1	L.S.		1,410	1,410
4)Electric Receiving Facilities	0	L.S.		0	1	L.S.		50	4,000
5)Access Road to New Pumping Station	0	L.S.		0	1	L.S.		240	240
6)Custom Clearance and Inland Transportation	0	L.S.		0	1	L.S.		50	50
Sub Total				1,150				2,260	3,410
3. Grand Total				55,430				2,260	57,690

Direct Construction Cost (Unit :million dong)

1. Direct Construction Cost	
(1) Crossing Structures of Main Drainage Canal	
① Tram Bridge-----	5,407
② No.6 Elevated Flume-----	0
③ Dong Mai Bridge-----	2,388
Sub Total	7,795
(2) Crossing Structures of Secondary Canal	
(3) Rehabilitation of Drainage Canal	
① Main Drainage Canal-----	11,445
② Secondary Canal-----	13,947
Sub Total	25,392
Total	33,187
2. Direct Temporary Construction Cost	
(1) Crossing Structures of Main Drainage Canal-----	240
(2) Crossing Structures of Secondary canal-----	0
(2) Rehabilitation of Drainage Canal-----	297
Sub Total	537
3. Grand Total	33,724

JICA