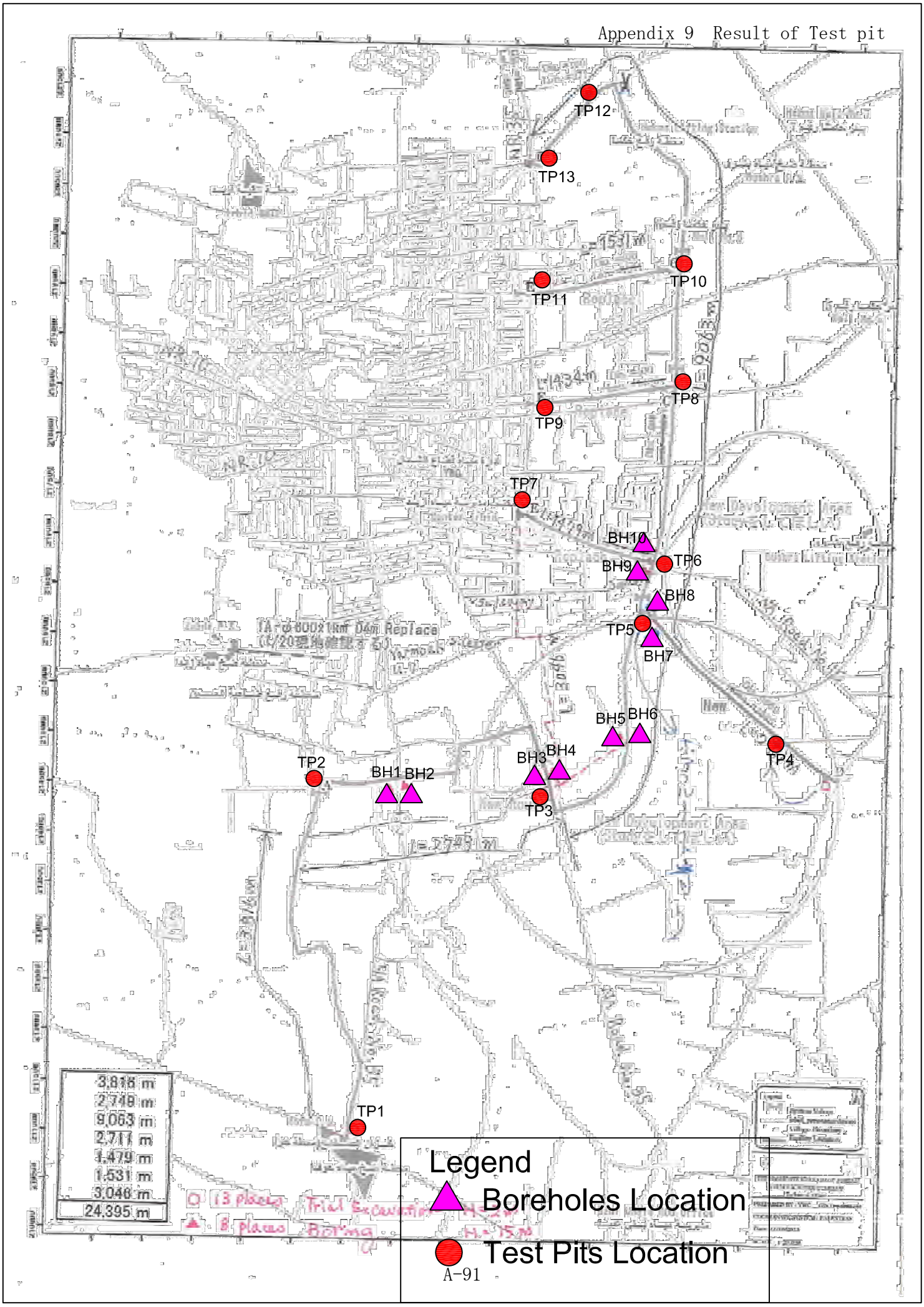
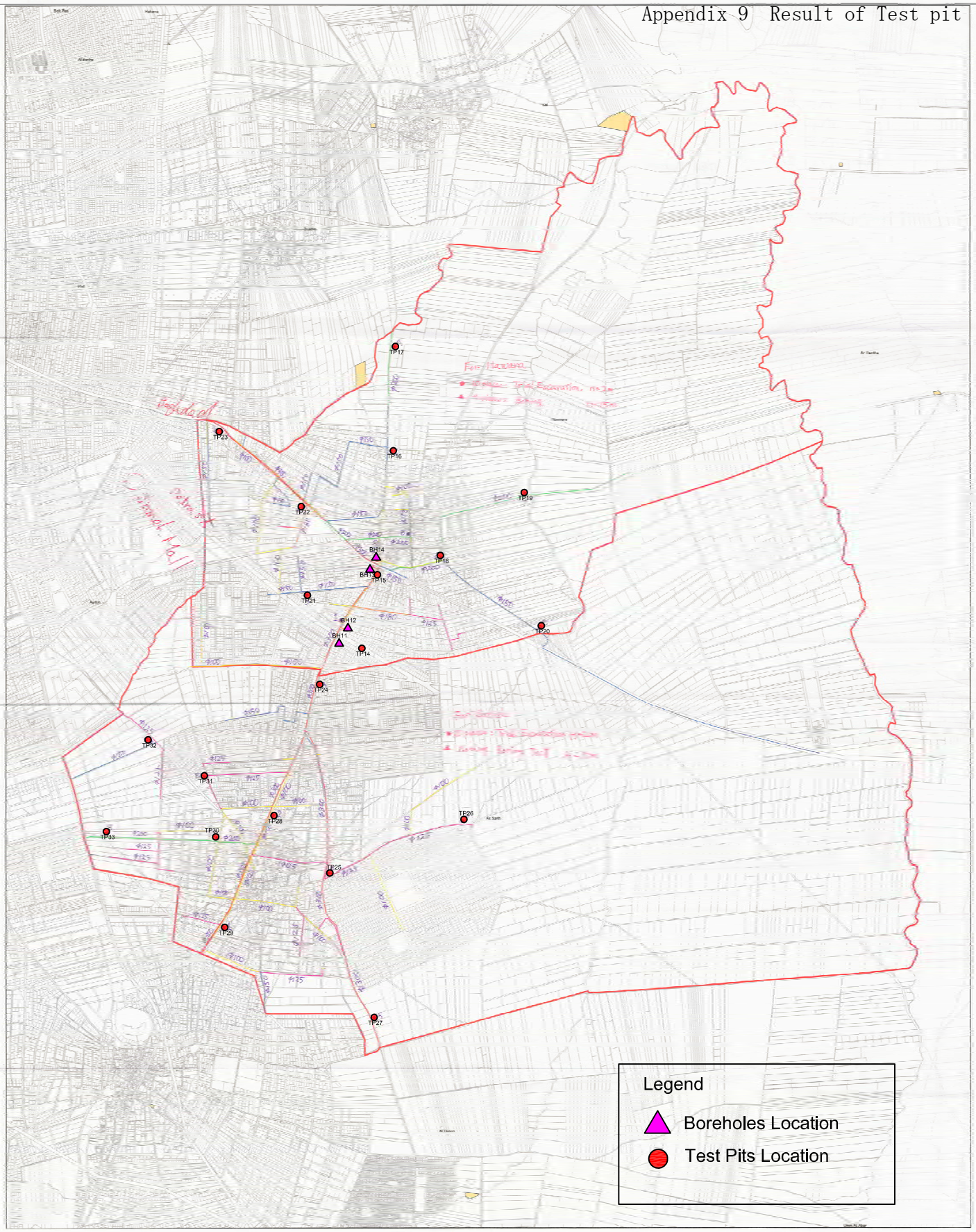

TP12
TP13
TP10
TP11
TP8
TP9
TP7
BH10
BH9
TP6
BH8
TP5
BH7
BH5
BH6
TP4
TP2
BH1
BH2
BH3
BH4
TP3
TP1
3,815 m
2,748 m
9,063 m
2,711 m
1,479 m
1,531 m
3,046 m
24,395 m
Legend
Boreholes Location
Test Pits Location
A-91



0 0.5 1 2 3 4 Kilometers

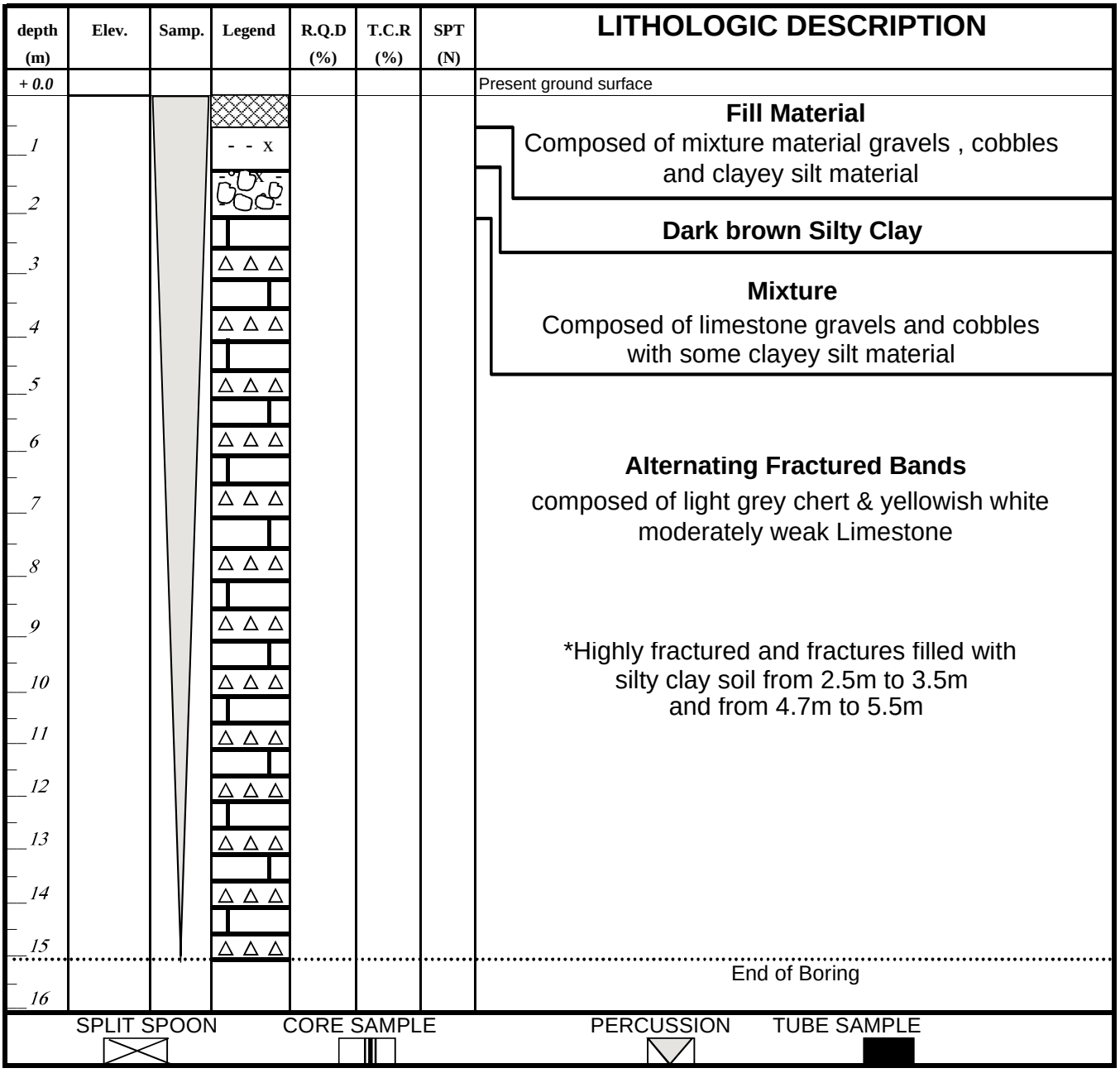
Legend

SanhPipeTopo DIAMETER 100 125 150 200 300

HawaraPipeTopo DIAMETER 150 200 300

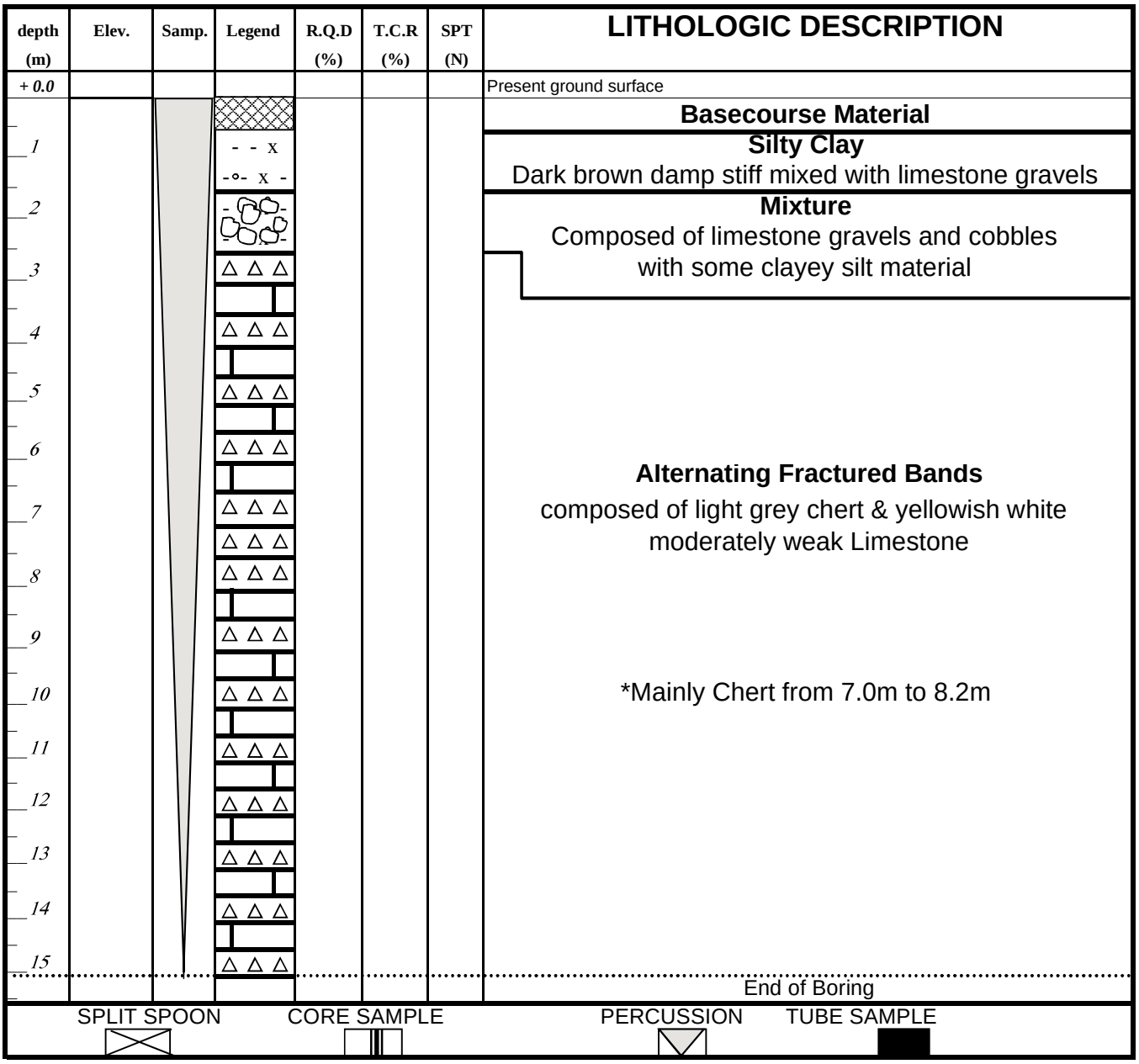
BOREHOLE LOG SHEET

Client :Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)	**Job No.: 35/S/03/2014**
Project :THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES	**Borehole No.: BH1**
RIG : ATLAS COPCO	**Date: 19/02/2014**



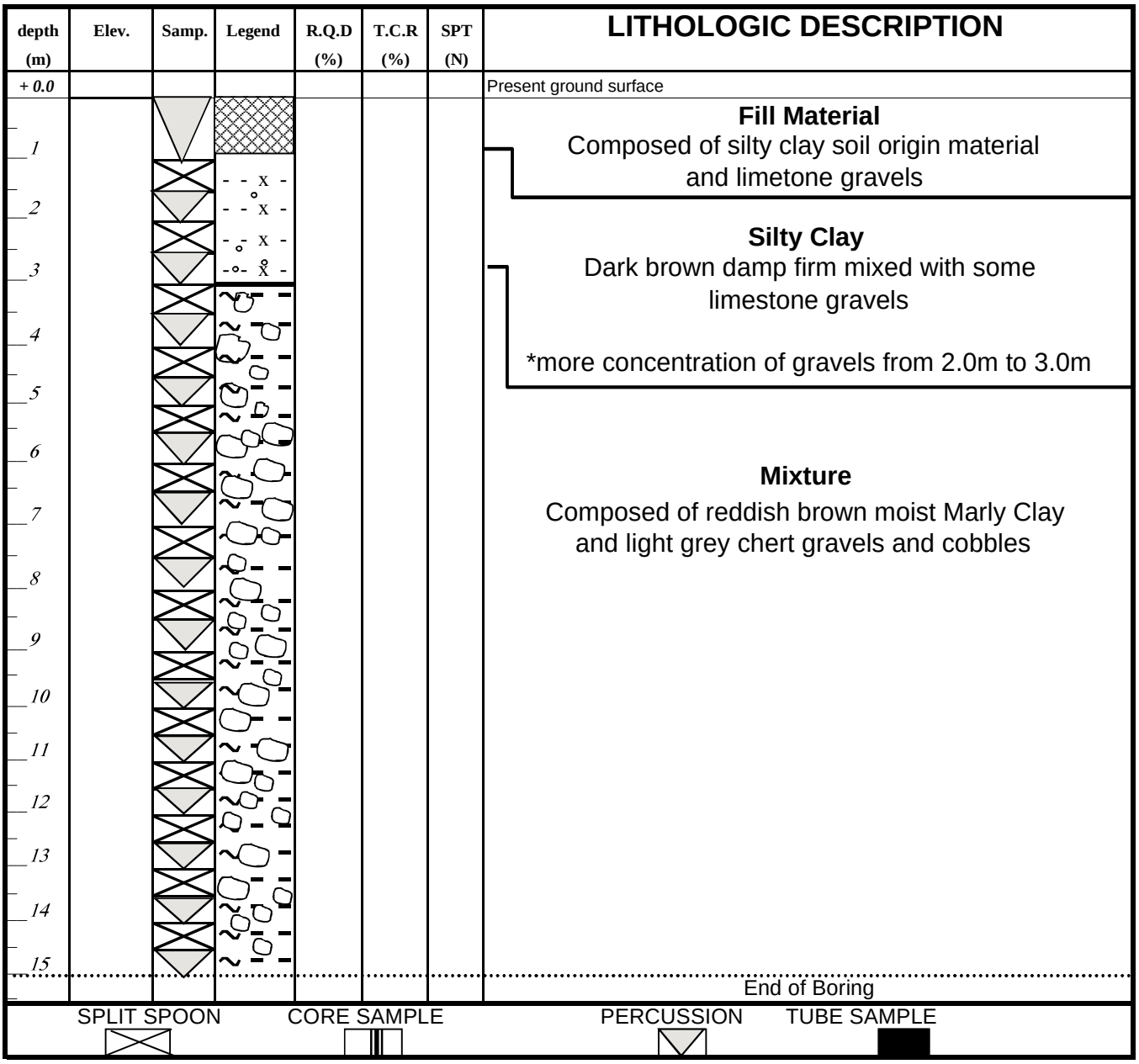
BOREHOLE LOG SHEET

Client :Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)	**Job No.: 35/S/03/2014**
Project :THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES	**Borehole No.: BH2**
RIG : ATLAS COPCO	**Date: 19/02/2014**



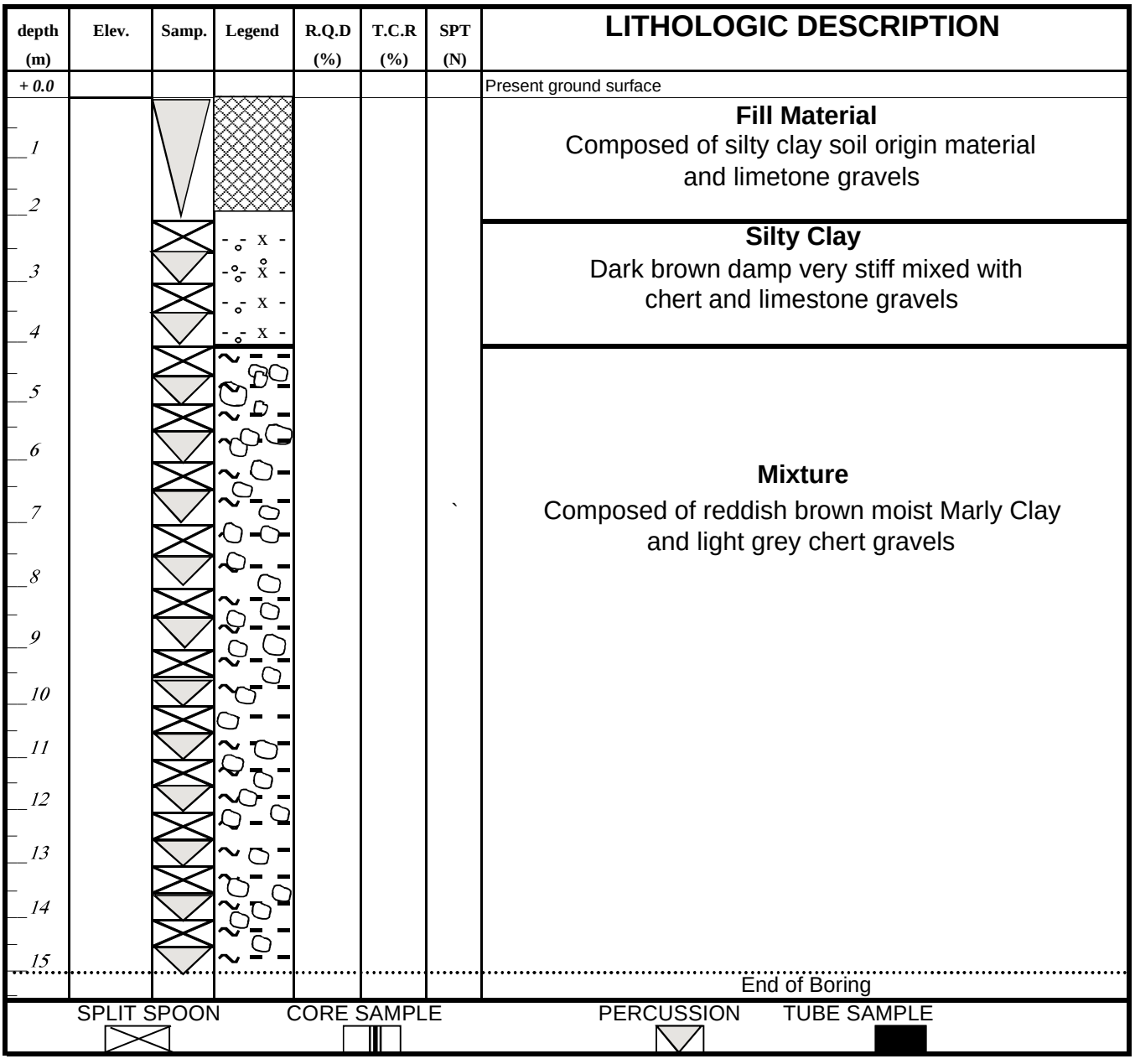
BOREHOLE LOG SHEET

Client :Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)	**Job No.: 35/S/03/2014**
Project :THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES	**Borehole No.: BH3**
RIG : ATLAS COPCO	**Date: 19/02/2014**



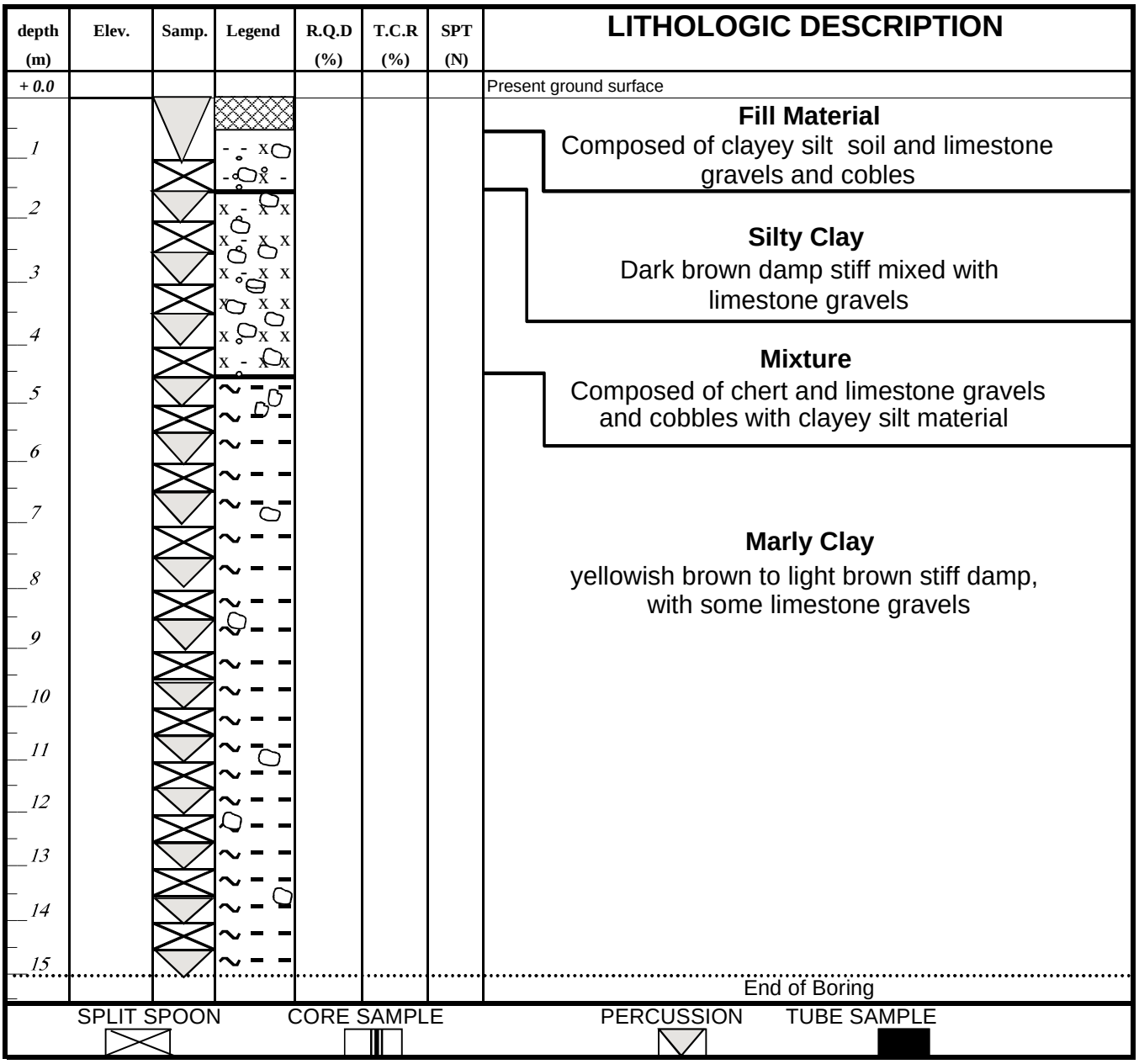
BOREHOLE LOG SHEET

Client :Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)	**Job No.: 35/S/03/2014**
Project :THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES	**Borehole No.: BH4**
RIG : ATLAS COPCO	**Date: 20/02/2014**



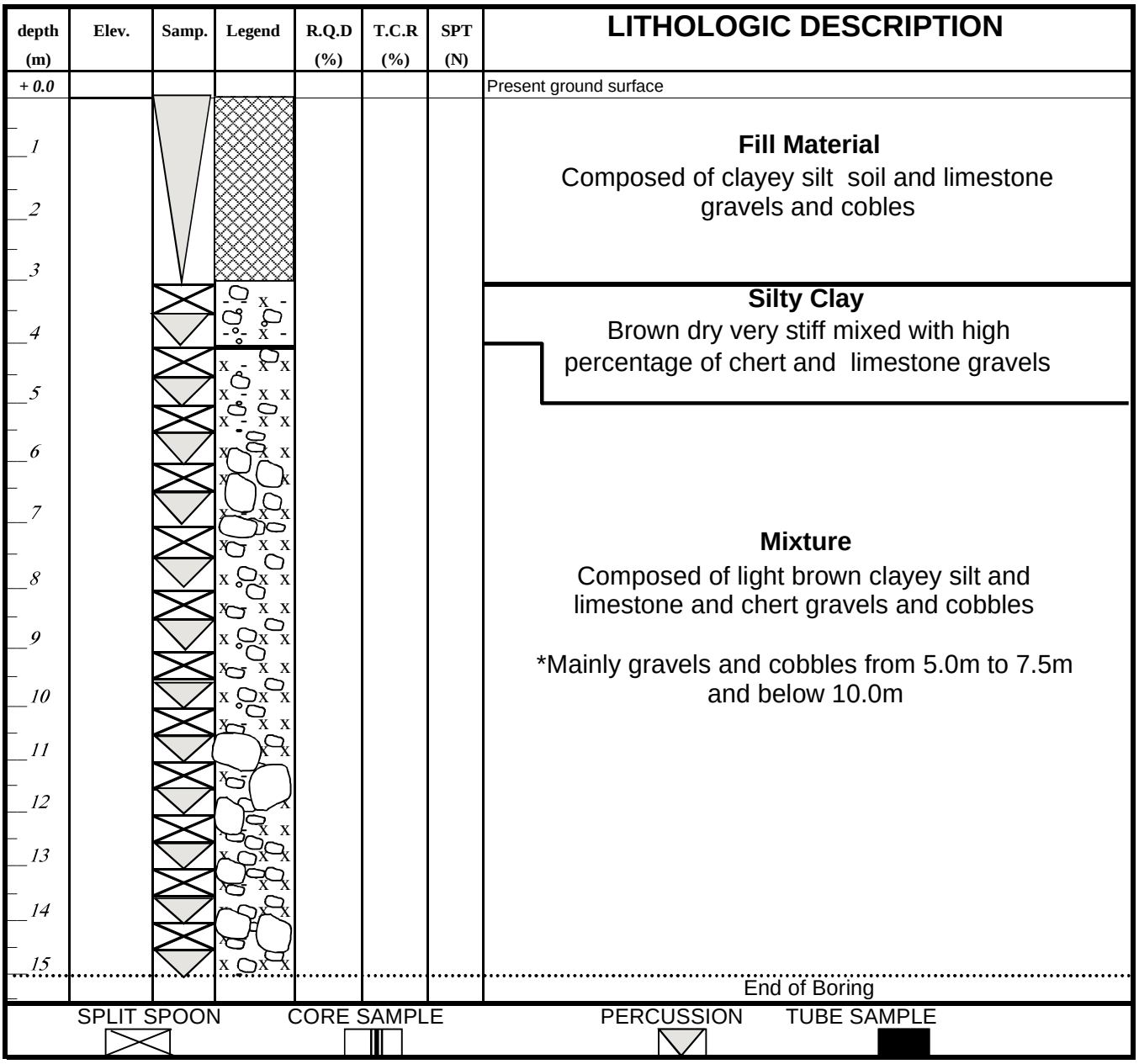
BOREHOLE LOG SHEET

Client :Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)	**Job No.: 35/S/03/2014**
Project :THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES	**Borehole No.: BH5**
RIG : ATLAS COPCO	**Date: 20/02/2014**



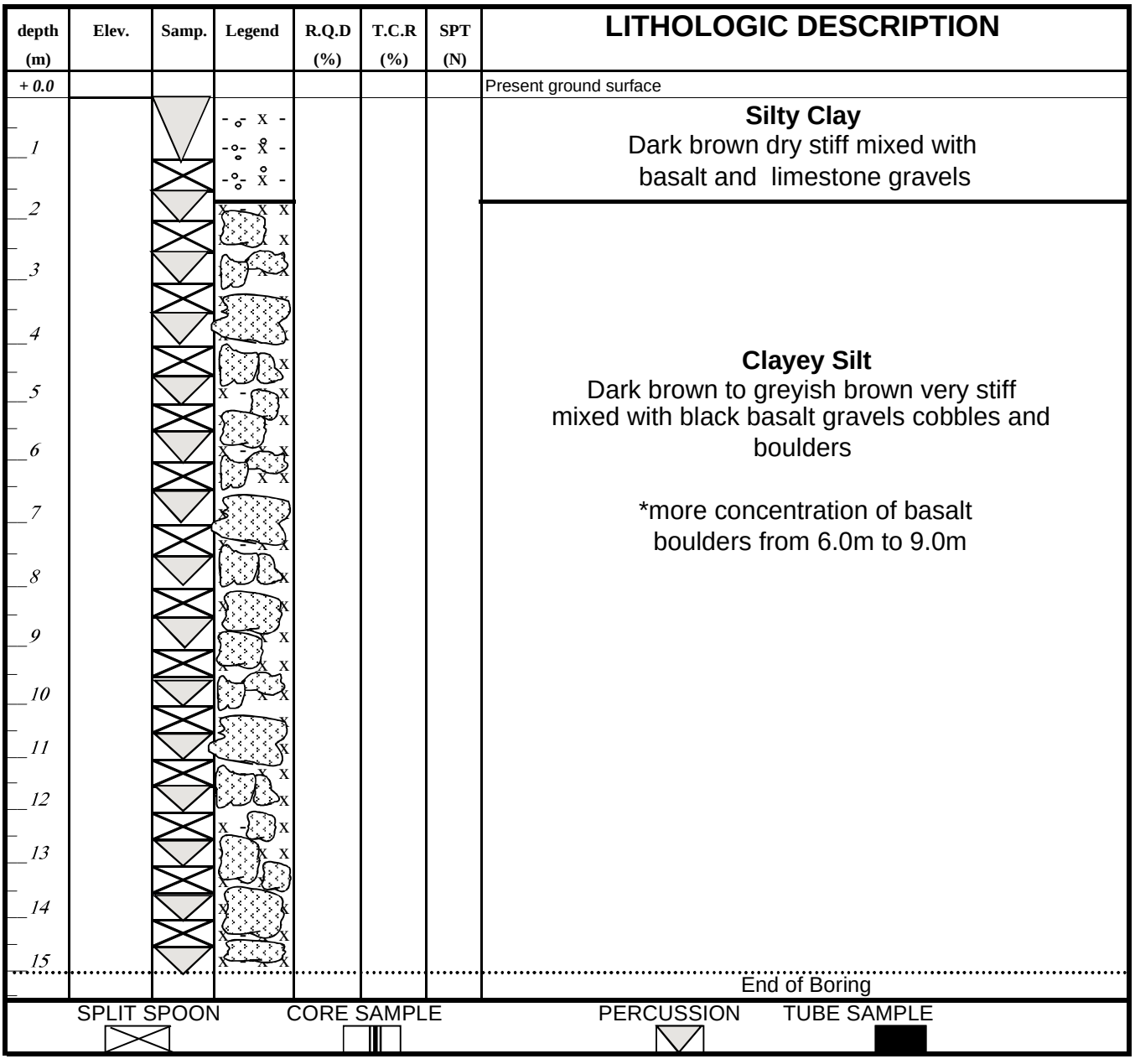
BOREHOLE LOG SHEET

Client :Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)	**Job No.: 35/S/03/2014**
Project :THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES	**Borehole No.: BH6**
RIG : ATLAS COPCO	**Date: 20/02/2014**



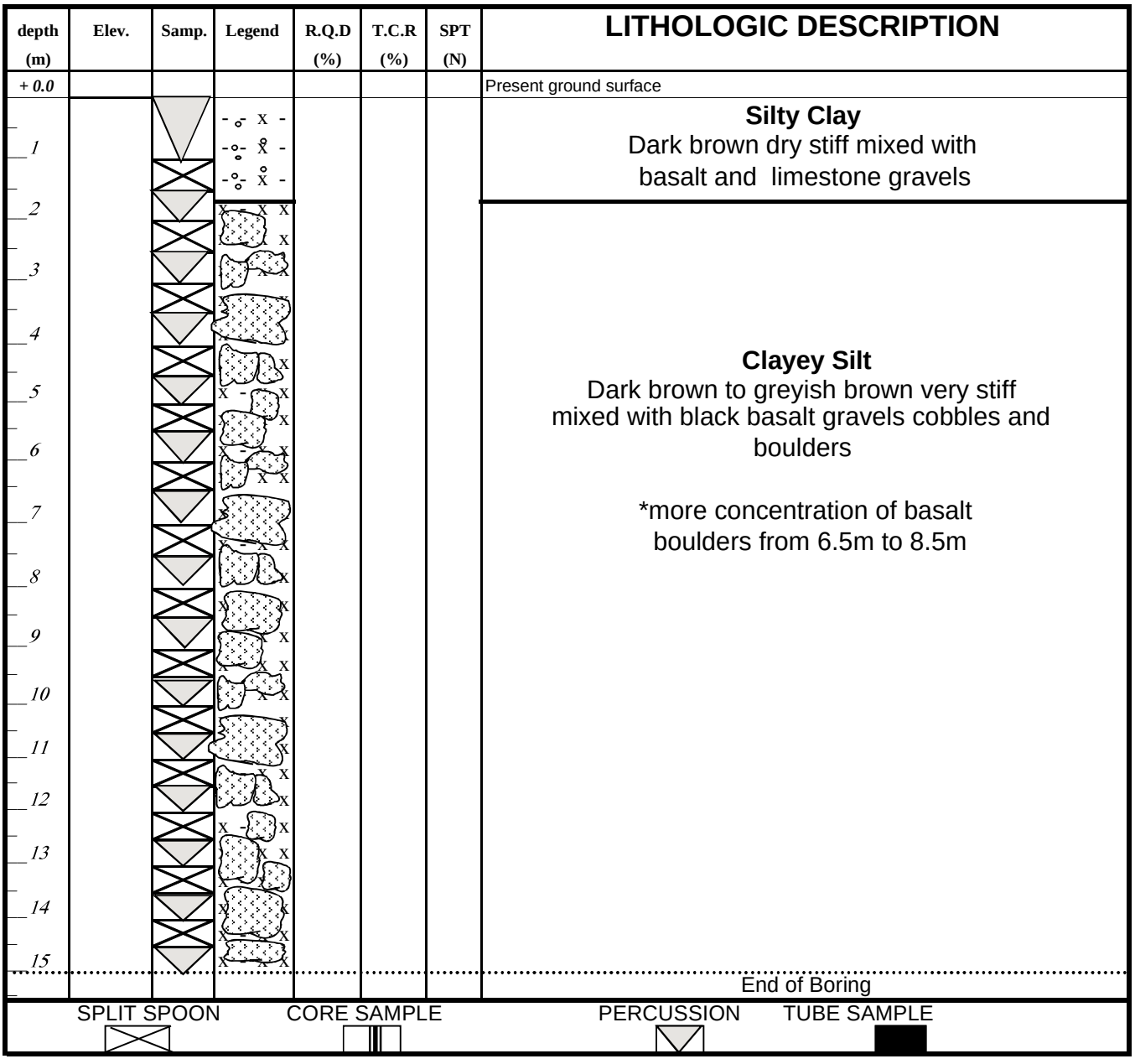
BOREHOLE LOG SHEET

Client :Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)	**Job No.: 35/S/03/2014**
Project :THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES	**Borehole No.: BH7**
RIG : ATLAS COPCO	**Date: 22/02/2014**



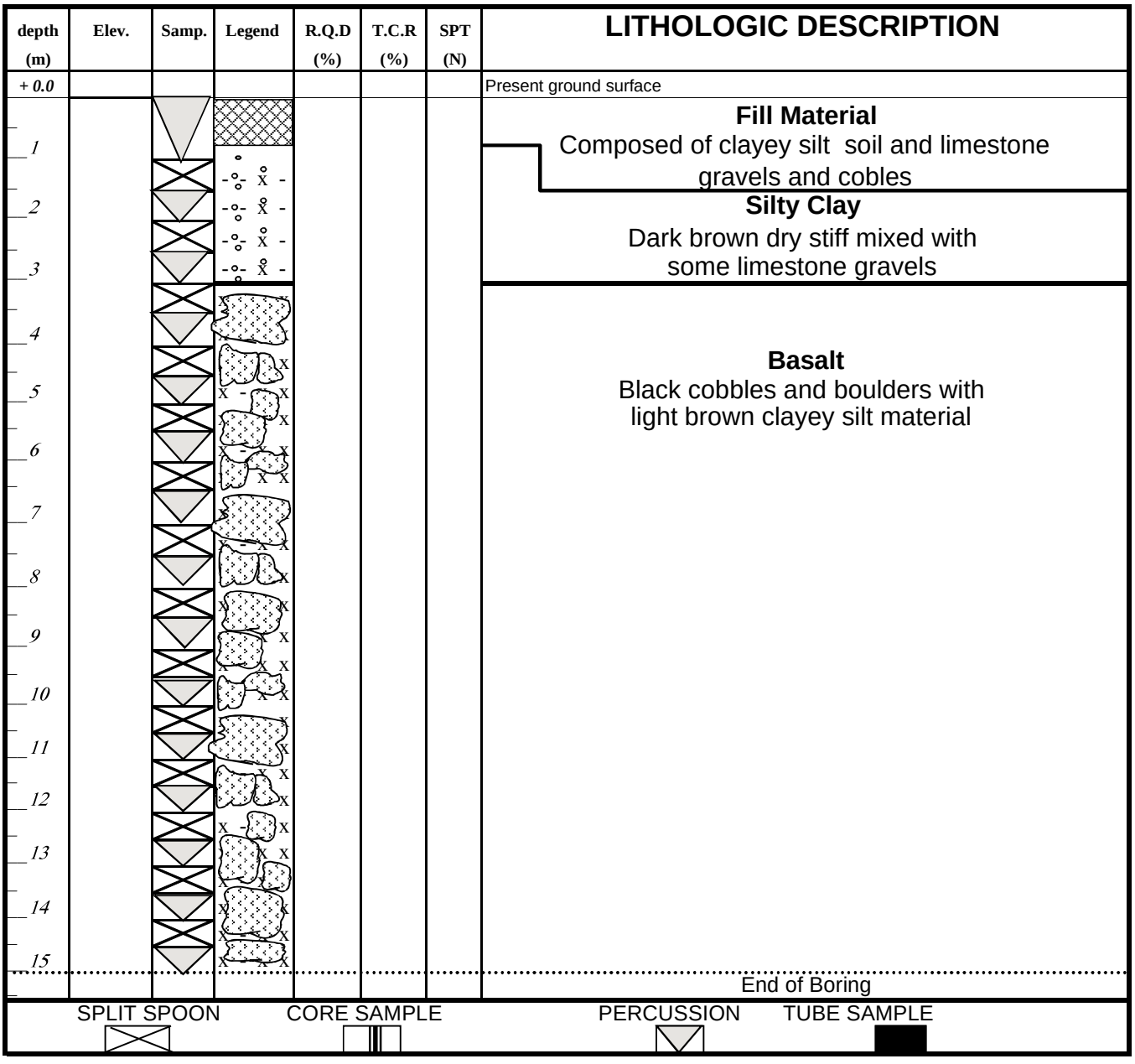
BOREHOLE LOG SHEET

Client :Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)	**Job No.: 35/S/03/2014**
Project :THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES	**Borehole No.: BH8**
RIG : ATLAS COPCO	**Date: 22/02/2014**



BOREHOLE LOG SHEET

Client :Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)	**Job No.: 35/S/03/2014**
Project :THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES	**Borehole No.: BH9**
RIG : ATLAS COPCO	**Date: 22/02/2014**



BOREHOLE LOG SHEET

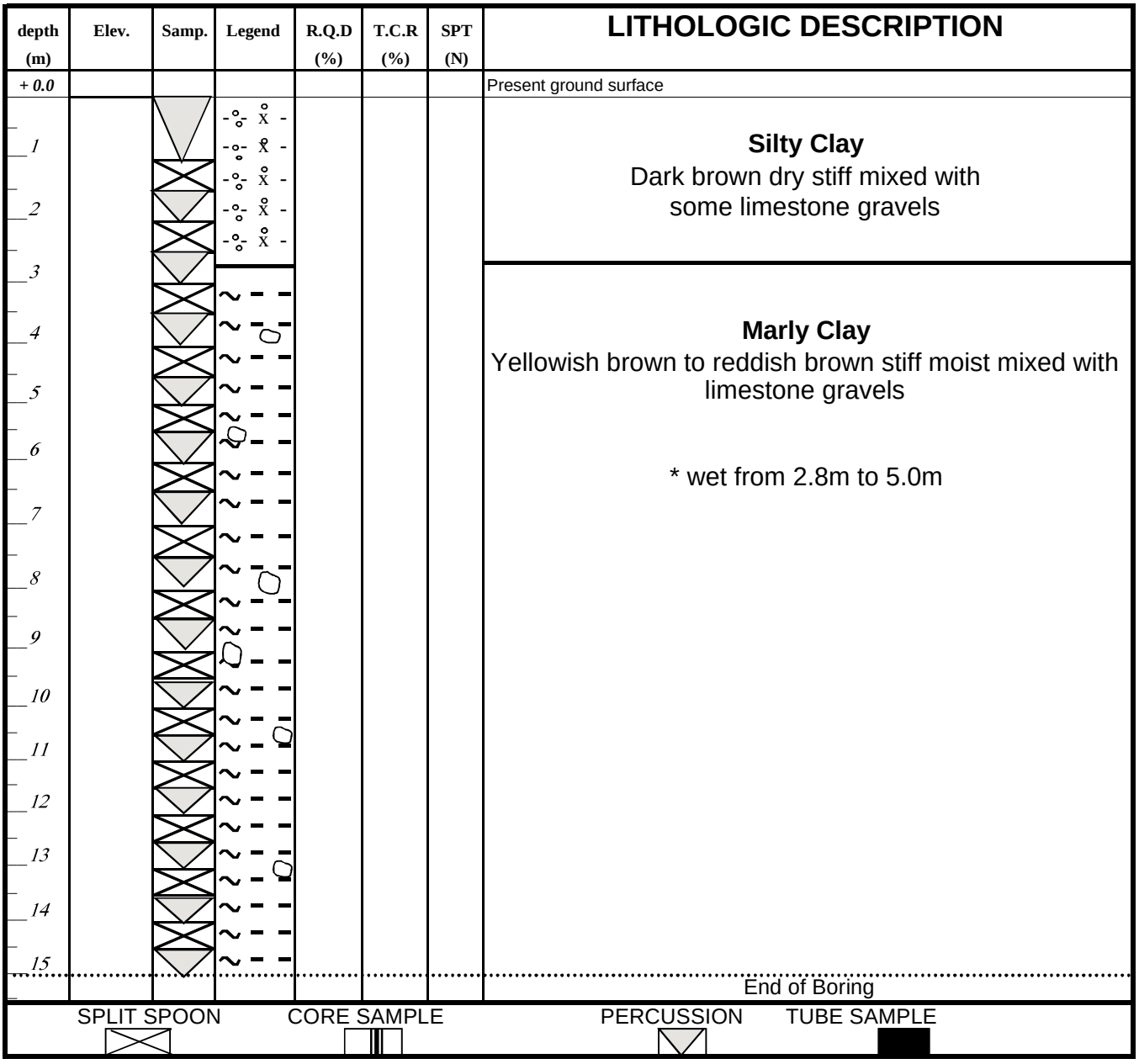
Client :Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)	**Job No.: 35/S/03/2014**
Project :THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES	**Borehole No.: BH10**
RIG : ATLAS COPCO	**Date: 23/02/2014**

depth (m)	Elev.	Samp.	Legend	R.Q.D (%)	T.C.R (%)	SPT (N)	LITHOLOGIC DESCRIPTION
+ 0.0							Present ground surface
1							**Fill Material** Composed of clayey silt soil and limestone gravels and cobles
2							**Clayey Silt** Greyish brown dry very stiff mixed with black basalt gravels *mixed with black basalt cobbles and boulders from 6.0m to 9.0m
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							End of Boring

SPLIT SPOON CORE SAMPLE PERCUSSION TUBE SAMPLE

BOREHOLE LOG SHEET

Client :Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)	**Job No.: 35/S/03/2014**
Project :THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES	**Borehole No.: BH13**
RIG : ATLAS COPCO	**Date: 23/02/2014**



BOREHOLE LOG SHEET

Client :Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)	**Job No.: 35/S/03/2014**
Project :THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES	**Borehole No.: BH14**
RIG : ATLAS COPCO	**Date: 23/02/2014**

depth (m)	Elev.	Samp.	Legend	R.Q.D (%)	T.C.R (%)	SPT (N)	LITHOLOGIC DESCRIPTION
+ 0.0							Present ground surface
1							**Silty Clay** Dark brown damp stiff mixed with some limestone gravels
2							
3							**Mixture Material** Composed of limestone and chert gravels and some cobbles with light broewn moist marly clay soil
4							
5							
6							
7							
8							**Marly Clay** Yellowish brown to reddish brown damp stiff mixed with limestone and chert gravels
9							
10							
11							
12							
13							
14							
15							End of Boring

SPLIT SPOON CORE SAMPLE PERCUSSION TUBE SAMPLE

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:1 **Depth = 1.5**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2		Dark brown damp stiff **Silty Clay** mixed with limestone some gravels	11.3	1.77	1.59	43	22	21	4	15	25	56	2.58	A7
0.4														
0.6														
0.8		Brown damp stiff **Silty Clay** mixed with limestone gravels	9.6	1.78	1.62	40	21	19	5.5	20	23	52	2.54	A6
1.0														
1.2														
1.4														
1.6		End of Test Pit												
1.8														
2.0														

Where :

C : Cobbles Percentage

G : Gravels Percentage

Sa: Sand Percentage

Sl : Silt Percentage

Cl : Clay Percentage

S.G : Specific gravty

Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:2 **Depth = 0.8**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2		**Fill Material** composed of silty clay and limestone origin material												
0.4														
0.6														
0.8		Rock Material (**Limestone**)												
1.0		End of Test Pit												
1.2														
1.4														
1.6														
1.8														
2.0														

Where :

G : Gravels Percentage

Sa: Sand Percentage

Sl : Silt Percentage

Cl : Clay Percentage

S.G : Specific gravty

Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:3 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results										
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
+ 0.0				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
0.2		Brown moist firm **Silty Clay** mixed with limestone some gravels	11.6	1.81	1.62	42	24	18	3	13	35	49		A7
0.4														
0.6														
0.8														
1.0														
1.2														
1.4														
1.6														
1.8														
2.0														
		End of Test Pit												

Where :

G : Gravels Percentage
Sa: Sand Percentage
Sl : Silt Percentage
Cl : Clay Percentage

S.G : Specific gravty
Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:4 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2		**Fill Material** composed of limestone and marl origin material												
0.4														
0.6														
0.8	x	Dark brown damp stiff **Silty Clay** mixed with limestone some gravels												
1.0	x													
1.2	x		8.1	1.74	1.612	46.0	24.0	22.0	2.0	18.0	26.0	54.0	2.6	A7
1.4	x													
1.6	x													
1.8	x													
2.0	x													
		End of Test Pit												

Where :

G : Gravels Percentage
Sa: Sand Percentage
Sl : Silt Percentage
Cl : Clay Percentage

S.G : Specific gravty
Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:5 **Depth = 1.5**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2	x x x	**Silty Clay** Brown damp firm	8.5	1.72	1.58	39	18	21	3	13	28	56	2.53	A6
0.4		yellow to brownish yellow damp **Marly Clay** mixed with limestone gravel	10.1	1.73	1.57									
0.6														
0.8														
1.0														
1.2														
1.4														
1.6		End of Test Pit												
1.8														
2.0														

Where :

G : Gravels Percentage

Sa: Sand Percentage

Sl : Silt Percentage

Cl : Clay Percentage

S.G : Specific gravty

Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:6 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
		Fill Material composed of dark brown silty clay soil and limestone gravels												
0.2														
0.4	x	**Fill Material** composed of dark brown silty clay soil and limestone gravels												
0.6	x													
0.8		Dark brown damp stiff **Silty Clay** mixed with limestone some gravels	9.0	1.69	1.55	51	27	24	6	8	26	60	2.56	A7
1.0														
1.2		Rock Material **(Limestone)**												
1.4														
1.6														
1.8														
2.0														
		End of Test Pit												

Where :

G : Gravels Percentage

Sa: Sand Percentage

Sl : Silt Percentage

Cl : Clay Percentage

S.G : Specific gravty

Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:7 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2		Brown moist firm **Silty Clay** mixed with limestone some gravels	12.4	1.80	1.604	52	26	26	4.5	7.5	25	63	2.61	A7
0.4														
0.6														
0.8														
1.0														
1.2														
1.4														
1.6														
1.8														
2.0														
		End of Test Pit												

Where :

G : Gravels Percentage
Sa: Sand Percentage
Sl : Silt Percentage
Cl : Clay Percentage

S.G : Specific gravty
Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:8 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2														
0.4														
0.6			11.7	1.778	1.592	48	23	25	3	10	28	59		A7
0.8		Brown to reddish brown moist **Silty Clay** mixed with some limestone gravels												
1.0														
1.2														
1.4														
1.6														
1.8														
2.0														
		End of Test Pit												

Where :

G : Gravels Percentage

Sa: Sand Percentage

Sl : Silt Percentage

Cl : Clay Percentage

S.G : Specific gravty

Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:9 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2		Dark brown damp stiff **Silty Clay** mixed with limestone some gravels	10.0	1.719	1.563	42	20	22	4	16	29	51		A7
0.4														
0.6														
0.8														
1.0														
1.2		Brown damp stiff **Silty Clay** mixed with little amount of limestone gravels	10.5	1.75	1.58	40	22	18	2	19	31	48		A6
1.4														
1.6														
1.8														
2.0														
		End of Test Pit												

Where :

G : Gravels Percentage

Sa: Sand Percentage

Sl : Silt Percentage

Cl : Clay Percentage

S.G : Specific gravty

Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:10 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
+ 0.0				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
0.2		**Fill Material** composed of dark brown moist silty clay soil with some limestone gravels												
0.4														
0.6		**Fill Material** composed of limestone gravels and cobbels and reddish brown silty clay												
0.8														
1.0	x	Dark brown moist stiff **Silty Clay** mixed with some limestone gravels												
1.2	x													
1.4	x													
1.6	x													
1.8	x													
2.0	x													
		End of Test Pit												

Where :
G : Gravels Percentage
Sa: Sand Percentage
Sl : Silt Percentage
Cl : Clay Percentage

S.G : Specific gravty
Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:11 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
+ 0.0				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
0.2		Dark brown damp stiff **Silty Clay** mixed with limestone some gravels	7.5	1.732	1.611	47	22	25	4	20	22	53	2.55	A7
0.4														
0.6		Brown damp firm **Silty Clay** mixed with some limestone gravels	7.0	1.711	1.599	42	22	20	2	18	31	49		A7
0.8														
1.0														
1.2														
1.4														
1.6														
1.8														
2.0														
		End of Test Pit												

Where :

G : Gravels Percentage
Sa: Sand Percentage
Sl : Silt Percentage
Cl : Clay Percentage

S.G : Specific gravty
Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:12 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2		Brown damp firm **Silty Clay** mixed with some limestone gravels	8.3	1.710	1.579	45	20	25	2	17	30	51		A7
0.4														
0.6														
0.8														
1.0														
1.2														
1.4														
1.6														
1.8														
2.0														
		End of Test Pit												

Where :

G : Gravels Percentage

Sa: Sand Percentage

Sl : Silt Percentage

Cl : Clay Percentage

S.G : Specific gravty

Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:13 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2		Brown damp firm **Silty Clay** mixed with some limestone gravels	10.1	1.787	1.623	43	24	19	1	16	28	55		A7
0.4														
0.6														
0.8														
1.0														
1.2														
1.4														
1.6														
1.8														
2.0														
		End of Test Pit												

Where :

G : Gravels Percentage

Sa: Sand Percentage

Sl : Silt Percentage

Cl : Clay Percentage

S.G : Specific gravty

Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:15 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
+ 0.0				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
0.2		Dark brown damp stiff **Silty Clay** mixed with limestone gravels	13.3	1.771	1.563	46	23	23	5	11	23	61	2.56	A7
0.4														
0.6		Brown damp stiff **Silty Clay** mixed with very little amount of limestone gravels	9.9	1.778	1.618	40	21	19	4	113	27	56		A6
0.8														
1.0														
1.2														
1.4														
1.6														
1.8														
2.0														
		End of Test Pit												

Where :

G : Gravels Percentage
Sa: Sand Percentage
Sl : Silt Percentage
Cl : Clay Percentage

S.G : Specific gravty
Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:16 **Depth = 0.5**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2	x x x	Dark brown damp stiff **Silty Clay** mixed with limestone gravels	8.7	1.724	1.586	44	24	20	3.5	16	24	57		A7
0.4		Rock Material **(Limestone)**												
0.6		End of Test Pit												
0.8														
1.0														
1.2														
1.4														
1.6														
1.8														
2.0														

Where :

G : Gravels Percentage

Sa: Sand Percentage

Sl : Silt Percentage

Cl : Clay Percentage

S.G : Specific gravty

Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:17 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2		Reddish brown dry very stiff **Silty Clay** mixed with limestone gravels	5.1	1.669	1.588	40	18	22	6	15	30	49	2.57	A6
0.4														
0.6														
0.8														
1.0														
1.2														
1.4														
1.6														
1.8														
2.0														
		End of Test Pit												

Where :

G : Gravels Percentage

Sa: Sand Percentage

Sl : Silt Percentage

Cl : Clay Percentage

S.G : Specific gravty

Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:18 **Depth = 1.6**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2	x	Brown damp stiff **Silty Clay** mixed with limestone gravels	7.9	1.727	1.601	41	21	20	3	17	30	50		A7
0.4	x													
0.6	x													
0.8		Reddish brown to yellowish rown Marly Clay mixed wit high percentege of limeston gravels and cobbles	7.5	1.743	1.621	39	16	23	5	12	28	55		A6
1.0														
1.2														
1.4														
1.6		Rock Material **(Limestone)**												
		End of Test Pit												
1.8														
2.0														

Where :
G : Gravels Percentage
Sa: Sand Percentage
Sl : Silt Percentage
Cl : Clay Percentage

S.G : Specific gravty
Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:19 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2		**Fill Material** composed of dark brown silty clay soil and limestone gravels												
0.4	x	Brown damp stiff **Silty Clay** mixed with very little amount of limestone gravels	8.0	1.74	1.61	48	24	24	3	15	26	57		A7
0.6	x													
0.8	x													
1.0	x													
1.2	x													
1.4	x													
1.6	x													
1.8	x													
2.0	x													
		End of Test Pit												

Where :

G : Gravels Percentage

Sa: Sand Percentage

Sl : Silt Percentage

Cl : Clay Percentage

S.G : Specific gravty

Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:20 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2		Reddish brown moist very stiff **Silty Clay** mixed with limestone gravels	10.0	1.752	1.593	45	20	25	6.5	16	27	51	2.55	A7
0.4														
0.6														
0.8														
1.0														
1.2														
1.4														
1.6														
1.8														
2.0														
		End of Test Pit												

Where :

G : Gravels Percentage

Sa: Sand Percentage

Sl : Silt Percentage

Cl : Clay Percentage

S.G : Specific gravty

Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:22 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2		Dark brown dry stiff **Silty Clay** mixed with limestone some gravels	6.3	1.671	1.572	46	26	20	6.5	16	24	54		A7
0.4														
0.6														
0.8														
1.0														
1.2														
1.4														
1.6		Brown moist firm **Silty Clay** mixed with little amount of limestone gravels	15.3	1.82	1.58	45	23	22	2	14	22	62	2.58	A7
1.8														
2.0														
		End of Test Pit												

Where :

G : Gravels Percentage

Sa: Sand Percentage

Sl : Silt Percentage

Cl : Clay Percentage

S.G : Specific gravty

Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:23 **Depth = 2.0**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
+ 0.0				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
0.2		Dark brown dry stiff **Silty Clay** mixed with limestone gravels	4.9	1.690	1.611	40	22	18	8	11	29	52		A6
0.4														
0.6		Brown moist firm **Silty Clay** mixed with little amount of limestone gravels	16.1	1.882	1.621	44	25	19	2	15	30	53		A7
0.8														
1.0														
1.2														
1.4														
1.6		Light brown damp **Marly Clay** with limestone gravels												
1.8		Rock Material **(Limestone)**												
2.0														
		End of Test Pit												

Where :

G : Gravels Percentage

Sa: Sand Percentage

Sl : Silt Percentage

Cl : Clay Percentage

S.G : Specific gravty

Class.: Classifiication according to AASHTOO Classification system

Test Pits Lithology

Client: JICA STUDY TEAM / TEC INTERNATIONAL CO., LTD.(TECI)

Project : THE STUDY ON WATER SECTOR FOR THE HOST COMMUNITIES OF SYRIAN REFUGEES

Location : Irbid **Job No. : 35/S/03/2014**

Test Pits No.:27 **Depth = 1.5**

depth (m)	Legend	LITHOLOGIC DESCRIPTION	Summary of Labtest Results											
			M.C (%)	Bulk & Dry Density		Atterberg Limits			Seive Analysis				S.G	Class.
				γ_b	γ_d	LL	PL	PI	G	Sa	Sl	Cl		
+ 0.0														
0.2		Brown damp **Silty Clay** mixed with little amount of limestone gravels	11.6	1.77	1.584	47	26	21	3	11	24	62		A7
0.4														
0.6														
0.8														
1.0														
1.2														
1.4		Yeloowish white moderatly weak fractured **limestone**												
1.6														
1.8														
2.0														
		End of Test Pit												

Where :

G : Gravels Percentage

Sa: Sand Percentage

Sl : Silt Percentage

Cl : Clay Percentage

S.G : Specific gravty

Class.: Classifiication according to AASHTOO Classification system