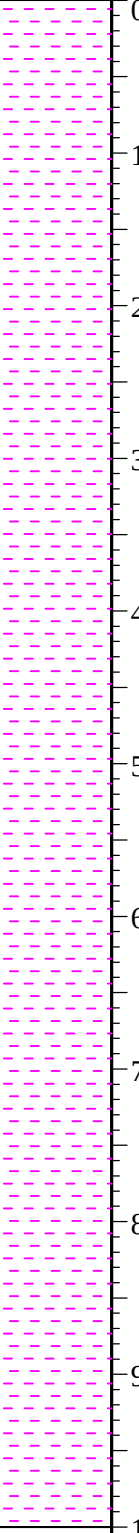
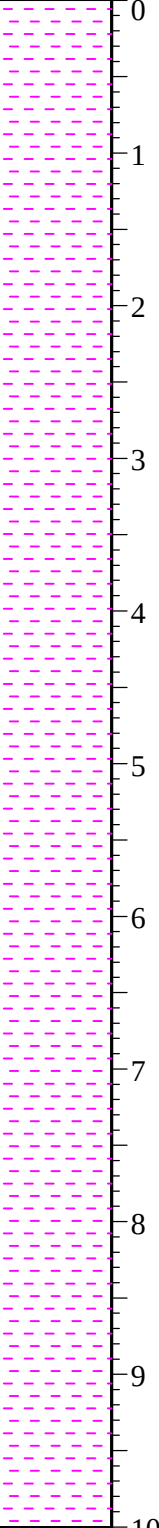


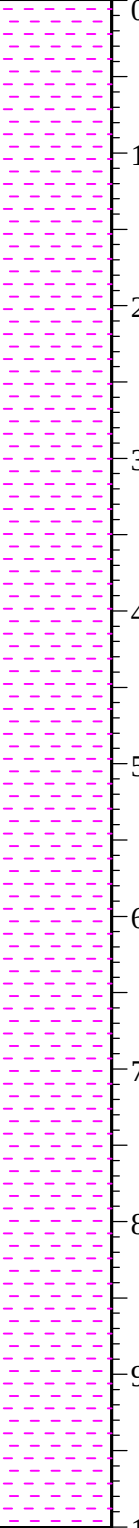
	SOIL ENGINEERING SERVICES (SES)		خدمات مهندسی مکانیک خاک
	PROJ NO: 1347-EE-PEP-GEO-001-B	REV: B	
	SUBJECT: GEOTECHNICAL INVESTIGATION, PHASE I, FACTUAL REPORT, SOUTH ALUMINIUM SMELTER (SALCO) IRAN		

Enclosure F

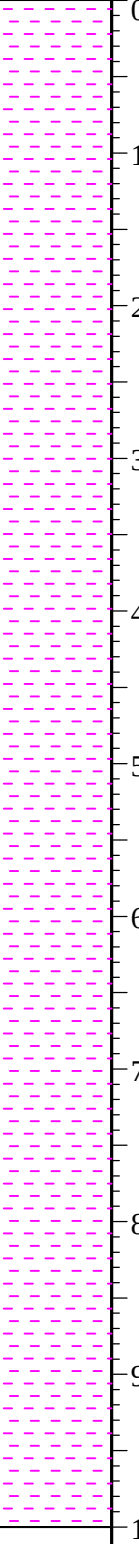
Vane Boreholes Logs

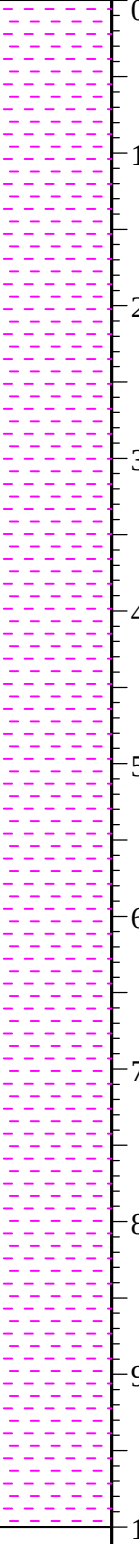
BOREHOLE No.: BH-009		DRILLED : 2015/04/15 - 2015/04/15		X : 722662.80 Y : 3031833.76 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY (down to 2.50m)	
1								
2							Light brown lean CLAY (from 2.50 to 10.00m)	
3								
4								
5								
6					0.49	0.45		
7								
8								
9					0.60	0.29		
10					0.76	0.40		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc							Remarks : Vane Borehole	
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 1
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

BOREHOLE No.: BH-016		DRILLED : 2015/03/30 - 2015/03/30		X : 722655.70 Y : 3031758.70 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	D1	15	21	24			Light grey hard lean CLAY, CL	
3								
4	D2	7	10	13			Light grey very stiff lean CLAY, CL	
5								
6								
7					0.03	0.03		
8								
9					0.48	0.12		
10	End of Borehole at : 10.00 m							
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc		Remarks : Vane Borehole						
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 2
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

BOREHOLE No.: BH-028		DRILLED : 2015/04/20 - 2015/04/20		X : 722750.79 Y : 3031857.10 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Brown lean CLAY	
1								
2	D1	13	20	23			Brown hard lean CLAY	
3								
4	D2	11	18	21			Light brown hard lean CLAY	
5								
6					0.19	0.05		
7								
8					0.27	0.03		
9								
10					0.24	0.04		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc		Remarks : Vane Borehole						
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 3
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

BOREHOLE No.: BH-040		DRILLED : 2015/04/15 - 2015/04/15		X : 723015.61 Y : 3031716.14 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	 D1	12	14	20			Light grey hard lean CLAY	
3								
4								
5								
6					0.42	0.29		
7								
8					0.60	0.33		
9								
10					0.65	0.31		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc							Remarks : Vane Borehole	
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 4
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

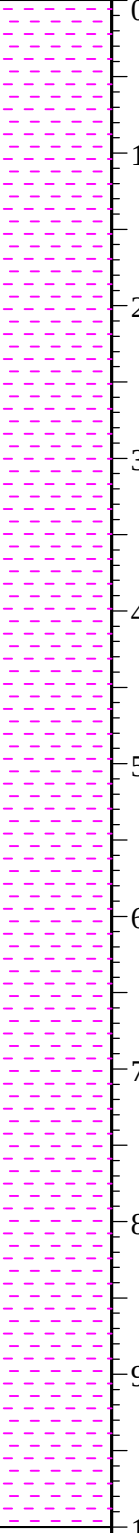
BOREHOLE No.: BH-056		DRILLED : 2015/04/20 - 2015/04/20		X : 723368.70 Y : 3031528.19 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light brown lean CLAY	
1								
2	D1	8	10	15			Light brown very stiff lean CLAY	
3								
4	D2	9	14	15			Light brown very stiff lean CLAY	
5								
6					0.78	0.33		
7								
8					1.09	0.13		
9								
10					0.91	0.16		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc		Remarks : Vane Borehole						
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 5
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

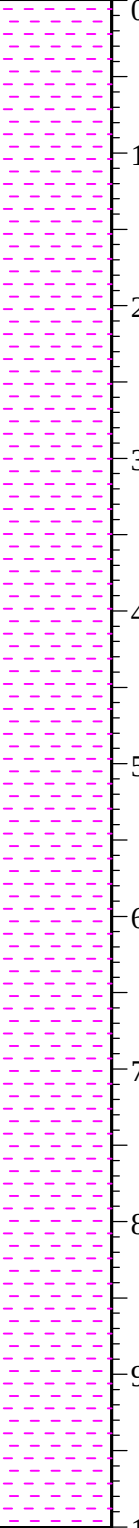
BOREHOLE No.: BH-075		DRILLED : 2015/04/12 - 2015/04/12		X : 722888.93 Y : 3031744.19 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	D1	7	19	21			Light grey hard lean CLAY, CL	
3								
4							Light brown lean CLAY	
5								
6					0.62	0.40		
7								
8					0.58	0.16		
9								
10					0.71	0.13		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc		Remarks : Vane Borehole						
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 6
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

BOREHOLE No.: BH-099		DRILLED : 2015/04/11 - 2015/04/11		X : 723418.57 Y : 3031462.27 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	 D1	15	14	16			Light brown very stiff lean CLAY, CL	
3								
4								
5								
6					0.53	0.33		
7								
8					0.74	0.25		
9								
10					0.71	0.22		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc							Remarks : Vane Borehole	
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 7
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

BOREHOLE No.: BH-127		DRILLED : 2015/04/11 - 2015/04/11		X : 723132.25 Y : 3031562.84 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	D1	11	19	22			Light brown hard lean CLAY, CL	
3								
4								
5								
6					0.78	0.27		
7								
8					0.67	0.27		
9								
10					0.67	0.25		
End of Borehole at : 10.00 m								
D: Disturbed CB: Core Barrel LU: Lugeon U: Undisturbed DE: Denison LE: Lefranc							Remarks : Vane Borehole	
							Project : SOUTH ALUMINUM SMELTER PLANT	
Client : NFC							Sheet: 1 Of 1	
Soil Engineering Services Consultant & Contractor							Fig.: 8	
Proj No. : 1347								

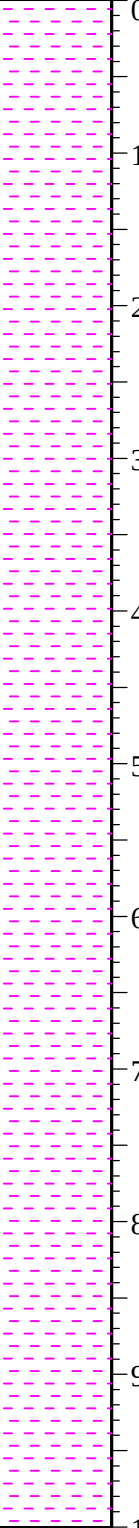
BOREHOLE No.: BH-155		DRILLED : 2015/04/19 - 2015/04/19		X : 122851.19 Y : 3031673.21 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	 D1	25	50	50			Light grey hard lean CLAY	
3								
4	 D2	13	16	23			Light brown hard lean CLAY	
5								
6					0.76	0.49		
7								
8					1.23	0.62		
9								
10					1.29	0.76		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc					Remarks : Vane Borehole			
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 9
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

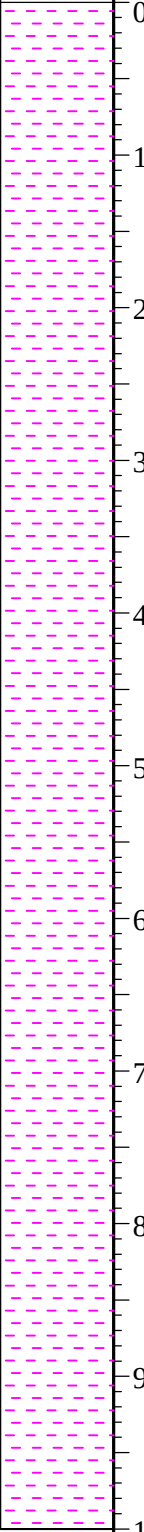
BOREHOLE No.: BH-172		DRILLED : 2015/04/19 - 2015/04/19		X : 723226.35 Y : 3031473.58 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Ligh grey lean CLAY	
1								
2	D1	13	12	20			Light grey hard lean CLAY	
3								
4	D2	10	9	12			Light grey very stiff lean CLAY	
5								
6					0.56	0.31		
7								
8					0.85	0.22		
9								
10					1.07	0.80		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc							Remarks : Vane Borehole	
							Project : SOUTH ALUMINUM SMELTER PLANT	
Client : NFC							Sheet: 1 Of 1	
Soil Engineering Services Consultant & Contractor							Fig.: 10	
Proj No. : 1347								

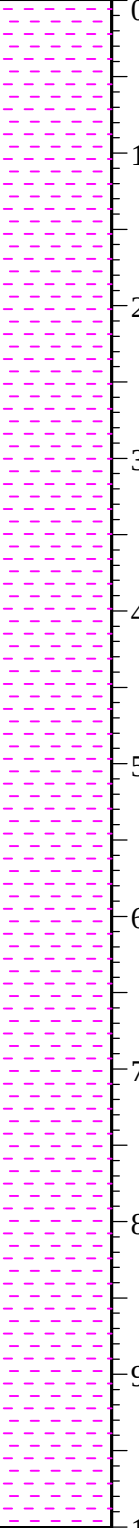
BOREHOLE No.: BH-189		DRILLED : 2015/04/13 - 2015/04/13		X : 722805.00 Y : 3031768.00 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	 D1	12	17	21			Light grey hard lean CLAY, CL	
3								
4								
5								
6					0.89	0.45		
7								
8					0.85	0.31		
9								
10					1.16	0.45		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc		Remarks : Vane Borehole						
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 11
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

BOREHOLE No.: BH-190		DRILLED : 2015/04/13 - 2015/04/13		X : 722756.00 Y : 3031779.00 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	 D1	11	16	20			Light grey hard lean CLAY, CL	
3								
4							Light brown lean CLAY	
5								
6					0.71	0.40		
7								
8					0.80	0.13		
9								
10					0.58	0.11		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc							Remarks : Vane Borehole	
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 12
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

BOREHOLE No.: BH-193		DRILLED : 2015/04/21 - 2015/04/22		X : 723054.79 Y : 3031635.18 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light brown lean CLAY	
1								
2	D1	10	12	15			Light brown very stiff lean CLAY	
3								
4	D2	7	7	8			Light brown stiff to very stiff lean CLAY	
5								
6					1.45	0.45		
7								
8					0.78	0.27		
9								
10					0.45	0.25		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc							Remarks : Vane Borehole	
							Project : SOUTH ALUMINUM SMELTER PLANT	
Client : NFC							Sheet: 1 Of 1 Fig.: 13	
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

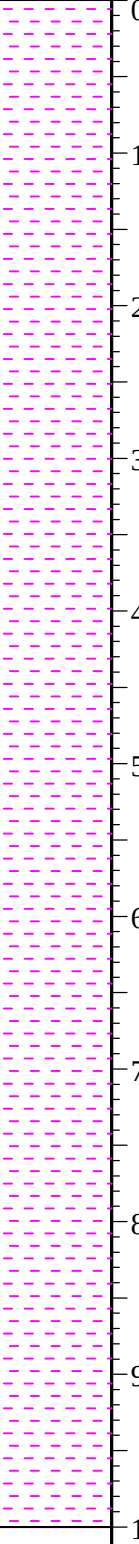
BOREHOLE No.: BH-207		DRILLED : 2015/04/13 - 2015/04/13		X : 722721.00 Y : 3031807.00 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	 D1	18	21	21			Light brown hard lean CLAY, CL	
3								
4							Light brown lean CLAY	
5								
6					0.78	0.40		
7								
8					0.58	0.16		
9								
10					0.87	0.13		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc							Remarks : Vane Borehole	
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 14
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

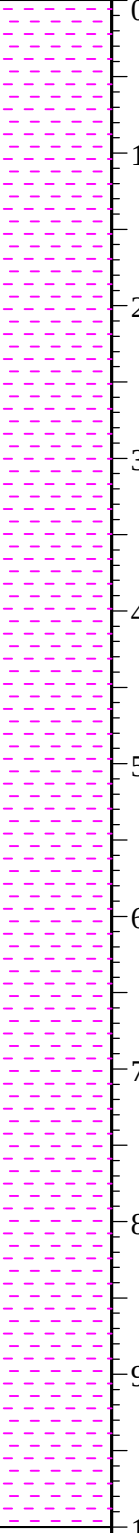
BOREHOLE No.: BH-212		DRILLED : 2015/04/16 - 2015/04/17		X : 723541.88 Y : 3031370.84 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light brown lean CLAY	
1								
2	 D1	11	19	19			Light brown hard lean CLAY	
3								
4	 D2	5	10	11			Light brown very stiff lean CLAY	
5								
6					0.67	0.13		
7								
8					0.65	0.40		
9								
10					0.53	0.20		
End of Borehole at : 10.00 m								
 D: Disturbed		 CB: Core Barrel		 LU: Lugeon		Remarks : Vane Borehole		
 U: Undisturbed		 DE: Denison		 LE: Lefranc				
		Project : SOUTH ALUMINUM SMELTER PLANT						
		Client : NFC						Fig.: 15
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

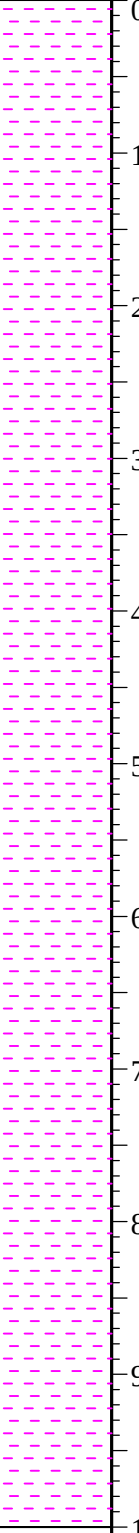
BOREHOLE No.: BH-259		DRILLED : 2015/04/12 - 2015/04/12		X : 722904.29 Y : 3031860.41 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	 D1	11	10	12			Light brown very stiff lean CLAY, CL	
3								
4								
5								
6					0.76	0.40		
7								
8					0.62	0.22		
9								
10					0.67	0.29		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc							Remarks : Vane Borehole	
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 16
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

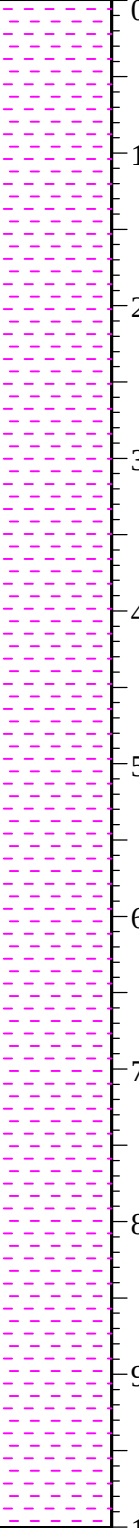
BOREHOLE No.: BH-263		DRILLED : 2015/04/12 - 2015/04/12		X : 723010.21 Y : 3031804.03 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	 D1	10	17	18			Light brown hard lean CLAY	
3								
4								
5								
6					0.65	0.33		
7								
8					0.74	0.27		
9								
10					0.74	0.13		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc							Remarks : Vane Borehole	
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 17
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

BOREHOLE No.: BH-276		DRILLED : 2015/04/22 - 2015/04/22		X : 723099.45 Y : 3031716.29 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	 D1	10	17	21			Light brown hard lean CLAY, CL	
3								
4								
5								
6					0.51	0.27		
7								
8					0.51	0.13		
9								
10					0.82	0.18		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc							Remarks : Vane Borehole	
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 18
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

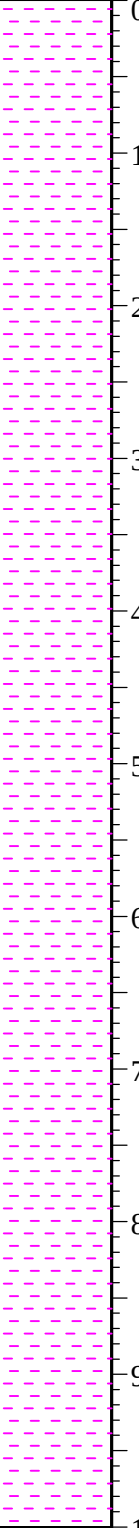
BOREHOLE No.: BH-295		DRILLED : 2015/04/09 - 2015/04/09		X : 723960.38 Y : 3031156.51 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	D1	6	9	12			Light brown very stiff lean CLAY, CL	
3								
4	D2	3	5	4			Light brown stiff lean CLAY, CL	
5								
6					0.47	0.33		
7								
8					0.67	0.31		
9								
10					0.56	0.22		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc		Remarks : Vane Borehole						
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 19
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

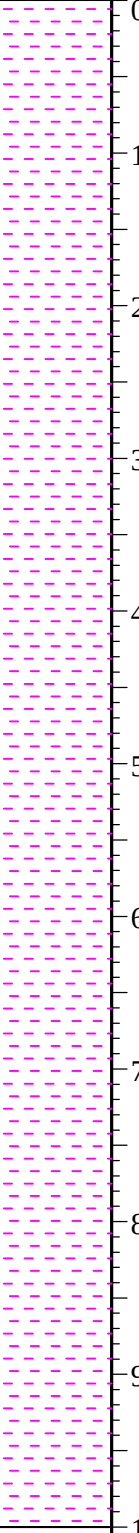
BOREHOLE No.: BH-301		DRILLED : 2015/04/10 - 2015/04/10		X : 723888.24 Y : 3031020.97 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	D1	21	15	14			Light brown very stiff lean CLAY, CL	
3								
4	D2	4	5	6			Light brown stiff lean CLAY, CL	
5								
6					0.65	0.33		
7								
8					0.78	0.33		
9								
10					0.71	0.22		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc		Remarks : Vane Borehole						
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 20
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

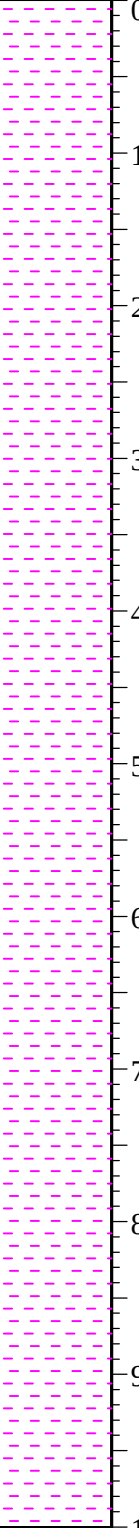
BOREHOLE No.: BH-304		DRILLED : 2015/04/09 - 2015/04/09		X : 724016.18 Y : 3031174.41 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	D1	5	4	5			Light brown stiff lean CLAY, CL	
3								
4	D2	2	4	5			As above, CL	
5								
6					0.69	0.27		
7								
8					0.25	0.11		
9								
10					0.71	0.33		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc		Remarks : Vane Borehole						
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 21
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

BOREHOLE No.: BH-308		DRILLED : 2015/04/09 - 2015/04/09		X : 723974.75 Y : 3031096.56 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	D1	6	6	8			Light brown stiff lean CLAY, CL	
3								
4	D2	5	5	6			As above, CL	
5								
6					0.67	0.11		
7								
8					0.85	0.33		
9								
10					0.69	0.27		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc		Remarks : Vane Borehole						
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 22
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

BOREHOLE No.: BH-313		DRILLED : 2015/04/14 - 2015/04/14		X : 723993.08 Y : 3030965.16 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2	 D1	8	8	11			Light brown very stiff lean CLAY, CL	
3								
4								
5								
6					0.56	0.27		
7								
8					0.87	0.40		
9								
10					0.40	0.16		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc							Remarks : Vane Borehole	
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 23
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

BOREHOLE No.: BH-332		DRILLED : 2015/04/14 - 2015/04/14		X : 724126.73 Y : 3030843.80 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light grey lean CLAY	
1								
2							Light brown lean CLAY	
3								
4								
5	▽							
6					0.67	0.40		
7								
8					0.76	0.40		
9								
10					0.56	0.27		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon		 U: Undisturbed  DE: Denison  LE: Lefranc		Remarks : Vane Borehole				
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 24
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

BOREHOLE No.: BH-347		DRILLED : 2015/04/08 - 2015/04/08		X : 723708.57 Y : 3031288.91 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light brown lean CLAY	
1								
2	D1	17	28	36			Light brown hard lean CLAY	
3								
4	D2	6	16	18			Light brown hard lean CLAY	
5								
6					1.47	0.85		
7								
8					0.89	0.27		
9								
10					1.56	0.51		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon  U: Undisturbed  DE: Denison  LE: Lefranc		Remarks : Vane Borehole						
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 25
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	

BOREHOLE No.: BH-350		DRILLED : 2015/04/08 - 2015/04/08		X : 723769.19 Y : 3031222.96 LEVEL : 0.00		METHOD : Rotary Drilling DRILL MACHINE : O.G.B		
DEPTH (m)	SAMPLE AND TYPE	S.P.T			VANE Kg/Cm ²		Description	Legend
		15Cm	15Cm	15Cm	Und	Rem		
0							Light brown lean CLAY	
1								
2	D1	14	22	19			Light brown hard lean CLAY	
3								
4	D2	10	16	21			Brown hard lean CLAY	
5								
6					0.56	0.29		
7								
8					1.56	1.14		
9								
10					1.29	1.07		
End of Borehole at : 10.00 m								
 D: Disturbed  CB: Core Barrel  LU: Lugeon		 U: Undisturbed  DE: Denison  LE: Lefranc		Remarks : Vane Borehole				
		Project : SOUTH ALUMINUM SMELTER PLANT						Sheet: 1 Of 1
		Client : NFC						Fig.: 26
Soil Engineering Services Consultant & Contractor							Proj No. : 1347	