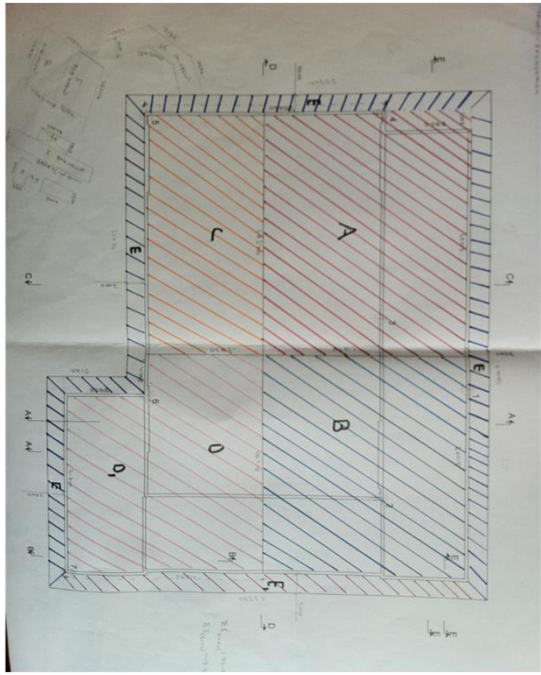


Calculation of Quantities

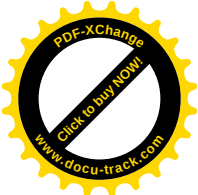
Soil Work

Taking away topsoil

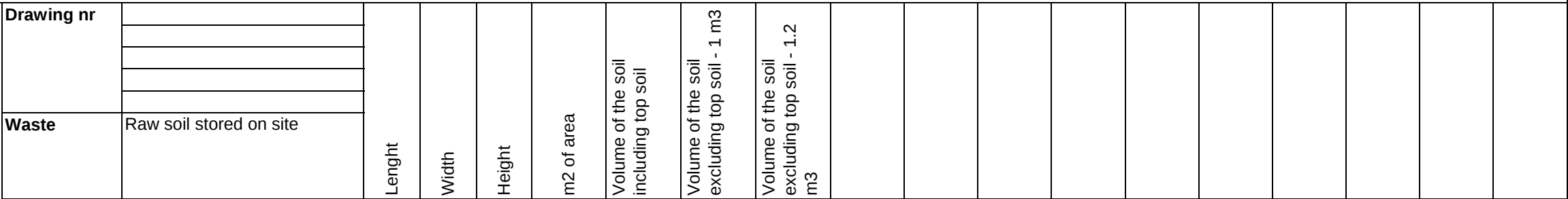
	Drawing nr		Lenght	Width	Height	m2 of area	Top Soil - 1.0 m3	Top Soil - 1.2 m3	Back filling of top soil areas - 1,3 m3	Take away top soil			
	Waste	Top soil stored on site											
	Pos. Nr	Description of the work	L	W	H	m2	m3	m3					
<u>Procedure:</u> Topsoil will be removed starting from the site road, area H, then the building area A,B C & D and in the end the rest of the areas. The hydraulic excavator will start excavating raw soil soon after the topsoil has been removed from area H.	BTB.01												
	BTB.01. A	Topsoil Building area A	28,37	21,7	0,3	615,49	184,6	221,6					
	BTB.01.B	Topsoil Building area B	26,02	21,7	0,3	564,4	169,3	203,2					
	BTB.01.C	Topsoil Building area C	28,37	12,83	0,3	363,99	109,2	131,0					
	BTB.01.D	Topsoil Building area D	25,72	12,83	0,3	329,92	99,0	118,8					
	BTB.01.D1	Topsoil building area D1	21,31	8,865	0,3	188,91	56,7	68,0					
	BTB.01.E	Topsoil site road E	152,2	7	0,3	1065,1	319,5	383,4	415,4				
	BTB.01.E1	Topsoil site road E1	43,39	5	0,3	216,95	65,1	78,1	84,6				
	BTB.01.F	Topsoil Area F			0,3	595,71	178,7	214,5	232,3				
	BTB.01.G	Topsoil Area G			0,3	618,41	185,5	222,6	241,2				
	BTB.01.H	Topsoil permanant road H			0,3	547,5	164,2	197,1					
	BTB.01.I	Topsoil site road I			0,3	171,1	51,3	61,6	66,7				
	BTB.01.J	Topsoil material store area J	27,7	7,8	0,3	216,5	65,0	77,9	84,4				
	BTB.01.K	Topsoil container area K X 6	5,0	2,5	0,3	75,0	22,5	27,0	29,3				
All soil work will be stored on site. -some of it will be used for backfilling and the rest will be kept stored or sold.													
	Quantities netto						1670,7	2004,8	1153,9	516,8			
	Waste												
	Quantities total						1670,7	2004,8	1153,9	516,8			

25,36

21,695



Soil Work

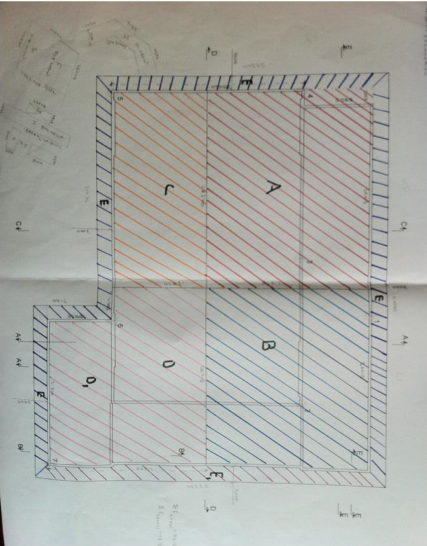
[illegible]

The hydraulic excavator is used for excavating and sand backfilling in area A and B. The raw soil will be driven away by dumpers and stored on the building site around 0,25km from pit.

[illegible][illegible]



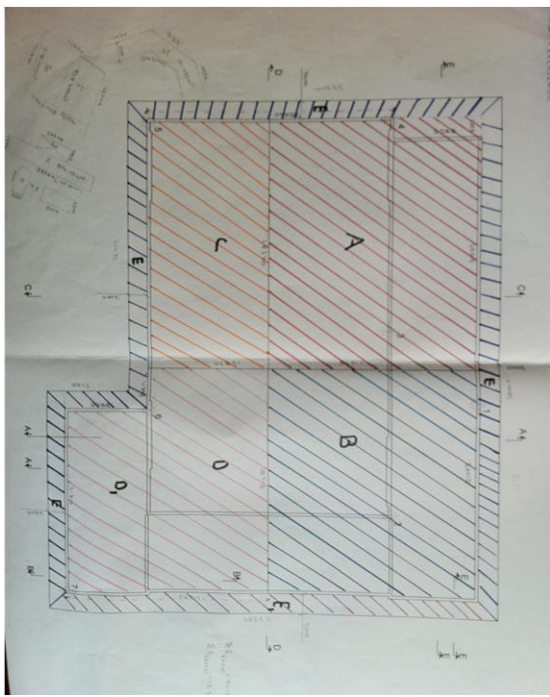
Calculation of Quantities

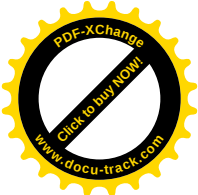
Soil Work																
sand backfilling for buildings on the beneath of foundation and beneath of floor slab & Under terrain level																
	Drawing nr															
	Waste	Raw soil stored on site														
Pos. Nr	Description of the work	L	W	H	M2	M3	M3		M3		M3		M	W	H	M3
Procedure:	BTB.03 1st Back filling of sand beneath foundation												330	144,955	0,33	0,61 29,1794
	BTB.03.A Building area B	26,0	21,7	0,2	564,5	138,3	179,8						330	102,965	0,33	0,6 20,3871
	BTB.03.A Foundation around area B 1m	47,7	1,0	0,2	47,7	11,7	15,2						300	237,25	0,3	0,5 35,5875
	BTB.03.C Building area C	28,4	12,8	0,5	363,5	198,1	257,6									
	BTB.03.C Foundation around area C 1m	41,2	1,0	0,5	41,2	22,5	26,9	479,5								
	BTB.03 2nd Back filling of sand beneath foundation															
	BTB.03.A Building area A	28,4	12,8	0,1	364,0	36,4	47,3									
	BTB.03.A Building area A1	26,0	8,9	0,1	230,6	23,1	30,0									
	BTB.03.B Building area B	26,0	21,7	0,1	564,4	56,4	73,4									
	BTB.03.C Building area C	28,4	12,8	0,1	364,0	36,4	47,3									
	BTB.03.D Building area D	25,7	12,8	0,1	329,9	33,0	42,9									
	BTB.03.D1 Building area D1	21,3	8,9	0,1	188,9	18,9	24,6	265,4								
	BTB.03 Back filling of sand beneath floor slab & terrain															
	BTB.03. A Building area A	28,4	12,8	0,625	364,0	227,5	295,7									
	BTB.03.A1 Building area A1	26,0	8,9	0,625	230,6	144,1	187,4									
	BTB.03.A Foundation around area A 1m	50,1	1,0	0,955	50,1	47,8	62,2									
	BTB.03.B Building area B	26,0	21,7	0,625	564,4	352,7	458,6									
	BTB.03.B Foundation around area B 1m	47,7	1,0	0,955	47,7	45,6	59,2									
	BTB.03.C Building area C	28,4	12,8	0,625	363,987	227,5	295,74									
	BTB.03.C Foundation around area C 1m	41,2	1,0	0,955	41,2	39,3	51,1498									
	BTB.03.D Building area D	25,7	12,8	0,625	329,923	206,2	268,063									
	BTB.03.D1 Building area D1	21,3	8,9	0,625	188,9	118,1	153,5									
	BTB.03.D Foundation around area D 1m	56,8	1,0	0,955	56,8	54,3	70,6	1902,1								
									110,7							
All soil work will be stored on site. -some of it will be used for backfilling and the rest will be kept stored or sold.						2037,9	2647,0	2647,0			2536,3					110,7
Waste																
Quantities total						2037,9	2647,0	2647,0			2536,3					110,7

Calculation of Quantities

Soil Work

Excavation for consolidated areas

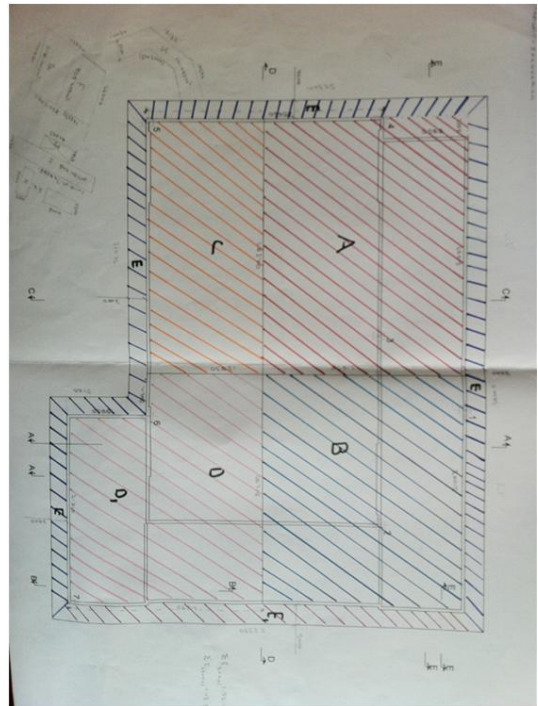
	Drawing nr												
	Waste												
	Pos. Nr	Description of the work	L	W	H	m2	m3	m3	m3				
Procedure:	BTB.04												
	BTB.04.H	Permanant road to building area H			0,5	547,5	273,7	109,5	131,4				
													
All soil work will be stored on site. -some of it will be used for backfilling and the rest will be kept stored or sold.	Quantities netto						273,7	109,5	131,4				
	Waste												
	Quantities total						273,7	109,5	131,4				



Soil Work

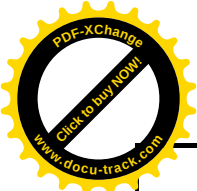
Sharp Sand backfilling for permanant access road to the building (30cm)



	Drawing nr												
	Waste		Lenght	Width	Height	m2 of area	Volume of the sand for backfilling - 0.9 m3	Volume of the sand for backfilling - order 1,3 m3					
	Pos. Nr	Description of the work	L	W	H	m2	m3						
Procedure: A wheel loader is used for backfilling sand in the consolidated areas. A bomag vibration compactor will compact the backfilled sand.	BTB.05												
	BTH.05.H	Geo-textile on Permanant road				547,59							
	BTB.05.H	Permanant road to building area H			0,3	547,49	164,2	213,5					
													
Quantities netto						164,2	213,5						
Waste													
Quantities total						164,2	213,5						

All soil work will be stored on site. -some of it will be used for backfilling and the rest will be kept

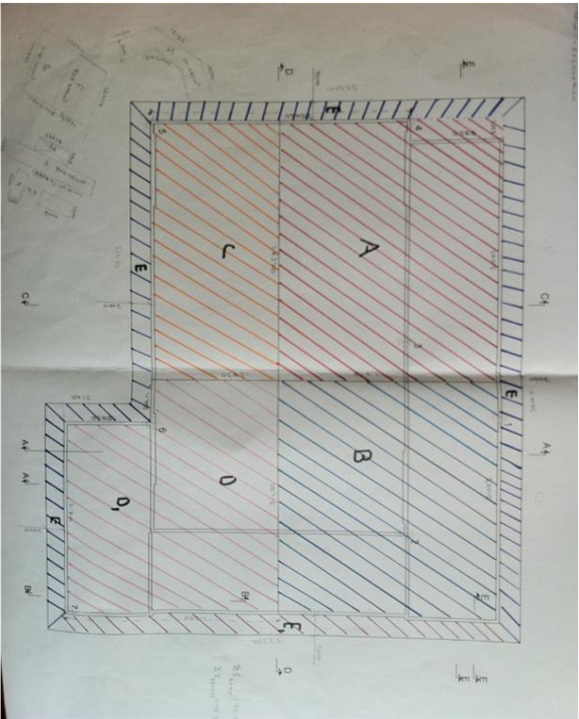
All soil work will be stored on site. -some of it will be used for backfilling and the rest will be kept stored or sold.

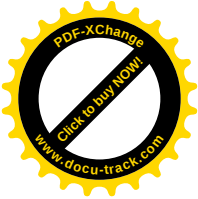


Calculation of Quantities

Soil Work

Backfilling of stabilized gravel in building site areas (20 cm)

	Drawing nr		Lenght	Width	Height	m2 of area	Volume of Stable Gravel for backfilling - 0.9 m3	Volume of Stable Gravel for backfilling - order 1.3 m3					
	Waste												
	Pos. Nr	Description of the work	L	W	H	m2	m3	m3					
Procedure: A wheel loader is used for backfilling gravel in the consolidated areas. A bomag vibration compactor will compact the backfilled sand.	BTB.06												
	BTB.06.E	Building site road E	152,16	6	0,2	933,8371	186,8	242,7976					
	BTB.06.E1	Building site road E1	43,39	4	0,2	173,56	34,7	45,1256					
	BTB.06.F	Building site Area F			0,2	595,709	119,1	154,9					
	BTB.06.G	Building site Area G			0,2	618,409	123,7	160,8					
	BTB.06.H	Permanant road to building area H			0,2	547,492	109,5	142,3					
	BTB.06.I	Building site road I			0,2	171,083	34,2	44,5					
	BTB.06.J	Building material store area J	27,678	7,823	0,2	216,525	43,3	56,3					
	BTB.06.K	Building container area K X 6	5,0	2,5	0,2	75,0	15,0	19,5					
													
All soil work will be stored on site. -some of it will be used for backfilling and the rest will be kept stored or sold.	Quantities netto						666,3	866,2					
	Waste												
	Quantities total						666,3	866,2					



Case:							Contract:		Company: I&S Construction		
									Page: 1 TO 6		
									Name: Itishree karki		
Summary up schedule						Subject		Pos.		Date: 07/03/01	
Subjects	page1	page2	page3	page 4	page 5	page 6	page10	page11	Total	Unit	
BTB.01 Excavation of top soil											
Excavation of top soil	1671								1671	m3	
Top soil to depot	1154								1154	m3	
Top soil to drive away	517								517	m3	
Backfilling of the top soil	1154								1154	m3	
BTB.02 Excavation of raw soil											
Excavation of raw soil in building areas		1935							1935	m3	
Raw soil to drive away		2322							2322	m3	
BTB.04 Excavation of raw soil in consolidated areas											
Excavation of raw soil in permanant road				109,4984					109	m3	
Raw soil to drive away				131,3981					131	m3	
BTB.03 Sand backfilling in the building areas											
1st Back filling of sand beneath foundation			479,5026						480	m3	
2nd Back filling of sand beneath foundation			265,4389						265	m3	
Back filling of sand beneath floor slab & terrain			1902,098						1902	m3	
Substracting the foundation areas for backfilling			110,7002						-111	m3	
Total Sand backfilling									2536	m3	
BTB.05 Sharp sand backfilling in consolidated areas											
Sharp sand backfilling in permanant road					213,5211						
BTB.06 MSG backfilling in consolidated areas											
MSG backfilling in consolidated areas						866,2199			866	m3	