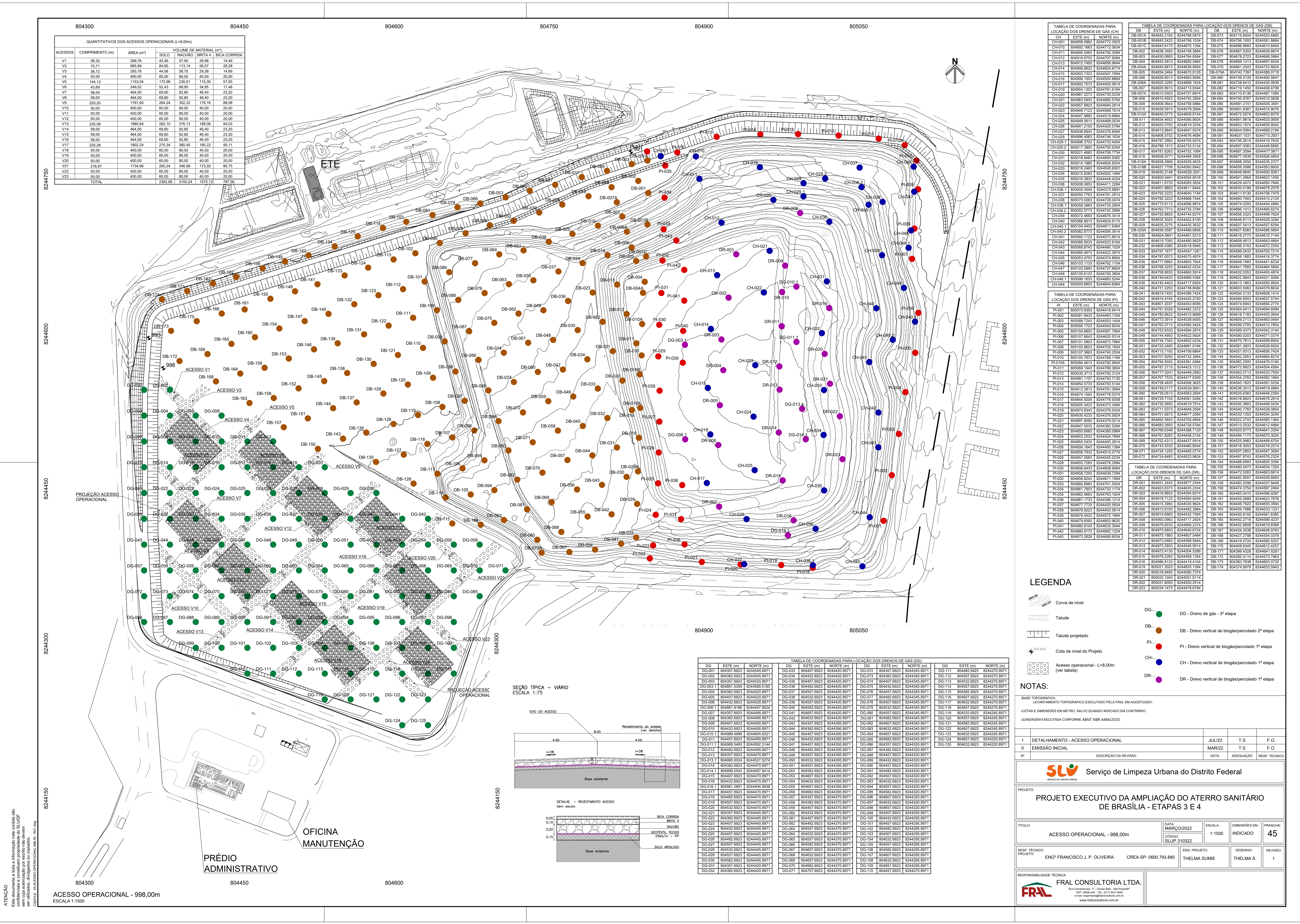




QUANTITATIVOS DOS ACESSOS OPERACIONAIS (L=8,00m)						
ACESSOS	COMPRIMENTO (m)	ÁREA (m²)	VOLUME DE MATERIAL (m³)			
			SOLO	RACHÃO	BRITA 4	BICA CORDEIRO
V1	36,32	289,76	43,46	57,95	28,98	14,49
V2	70,71	565,68	84,85	113,14	56,57	28,28
V3	36,72	293,76	44,06	58,75	29,38	14,69
V4	50,00	400,00	60,00	80,00	40,00	20,00
V5	144,13	1153,04	172,96	230,61	115,30	57,65
V6	43,69	349,52	52,43	69,90	34,95	17,48
V7	58,00	464,00	69,60	92,80	46,40	23,20
V8	58,00	464,00	69,60	92,80	46,40	23,20
V9	220,20	1761,60	264,24	352,32	176,16	88,08
V10	50,00	400,00	60,00	80,00	40,00	20,00
V11	50,00	400,00	60,00	80,00	40,00	20,00
V12	50,00	400,00	60,00	80,00	40,00	20,00
V13	235,08	1880,64	282,10	376,13	188,06	94,03
V14	58,00	464,00	69,60	92,80	46,40	23,20
V15	58,00	464,00	69,60	92,80	46,40	23,20
V16	58,00	464,00	69,60	92,80	46,40	23,20
V17	225,28	1802,24	270,34	360,45	180,22	90,11
V18	50,00	400,00	60,00	80,00	40,00	20,00
V19	50,00	400,00	60,00	80,00	40,00	20,00
V20	50,00	400,00	60,00	80,00	40,00	20,00
V21	218,87	1750,96	260,24	346,99	175,50	87,75
V22	50,00	400,00	60,00	80,00	40,00	20,00
V23	50,00	400,00	60,00	80,00	40,00	20,00
TOTAL		2362,68	3150,24	1575,12	787,56	

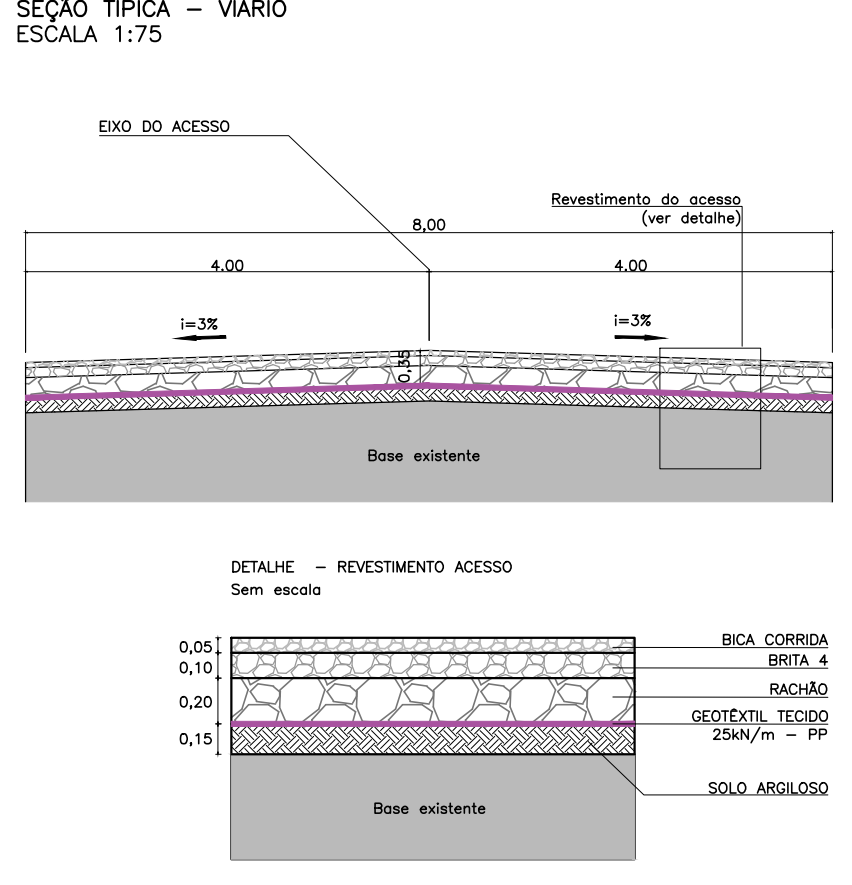


TABELA DE COORDENADAS PARA LOCAÇÃO DOS DRENOS DE GÁS (DG)			TABELA DE COORDENADAS PARA LOCAÇÃO DOS DRENOS DE GÁS (DG)		
DG	ESTE (m)	NORTE (m)	DG	ESTE (m)	NORTE (m)
DG-001	804307,6923	824436,8971	DG-072	804307,6923	824436,8971
DG-002	804382,6923	824445,8971	DG-073	804382,6923	824435,8971
DG-003	804357,6923	824450,8971	DG-074	804407,6923	824435,8971
DG-004	804382,6923	824450,8971	DG-075	804432,6923	824435,8971
DG-005	804407,6923	824450,8971	DG-076	804457,6923	824435,8971
DG-006	804432,6923	824450,8971	DG-077	804482,6923	824435,8971
DG-007	804457,6923	824450,8971	DG-078	804507,6923	824435,8971
DG-008	804482,6923	824450,8971	DG-079	804532,6923	824435,8971
DG-009	804507,6923	824450,8971	DG-080	804557,6923	824435,8971
DG-010	804532,6923	824450,8971	DG-081	804582,6923	824435,8971
DG-011	804557,6923	824450,8971	DG-082	804607,6923	824435,8971
DG-012	804582,6923	824450,8971	DG-083	804632,6923	824435,8971
DG-013	804607,6923	824450,8971	DG-084	804657,6923	824435,8971
DG-014	804632,6923	824450,8971	DG-085	804682,6923	824435,8971
DG-015	804657,6923	824450,8971	DG-086	804707,6923	824435,8971
DG-016	804682,6923	824450,8971	DG-087	804732,6923	824435,8971
DG-017	804707,6923	824450,8971	DG-088	804757,6923	824435,8971
DG-018	804732,6923	824450,8971	DG-089	804782,6923	824435,8971
DG-019	804757,6923	824450,8971	DG-090	804807,6923	824435,8971
DG-020	804782,6923	824450,8971	DG-091	804832,6923	824435,8971
DG-021	804807,6923	824450,8971	DG-092	804857,6923	824435,8971
DG-022	804832,6923	824450,8971	DG-093	804882,6923	824435,8971
DG-023	804857,6923	824450,8971	DG-094	804907,6923	824435,8971
DG-024	804882,6923	824450,8971	DG-095	804932,6923	824435,8971
DG-025	804907,6923	824450,8971	DG-096	804957,6923	824435,8971
DG-026	804932,6923	824450,8971	DG-097	804982,6923	824435,8971
DG-027	804957,6923	824450,8971	DG-098	805007,6923	824435,8971
DG-028	804982,6923	824450,8971	DG-099	805032,6923	824435,8971
DG-029	805007,6923	824450,8971	DG-100	805057,6923	824435,8971
DG-030	805032,6923	824450,8971	DG-101	805082,6923	824435,8971
DG-031	805057,6923	824450,8971	DG-102	805107,6923	824435,8971
DG-032	805082,6923	824450,8971	DG-103	805132,6923	824435,8971
DG-033	805107,6923	824450,8971	DG-104	805157,6923	824435,8971
DG-034	805132,6923	824450,8971	DG-105	805182,6923	824435,8971
DG-035	805157,6923	824450,8971	DG-106	805207,6923	824435,8971
DG-036	805182,6923	824450,8971	DG-107	805232,6923	824435,8971
DG-037	805207,6923	824450,8971	DG-108	805257,6923	824435,8971
DG-038	805232,6923	824450,8971	DG-109	805282,6923	824435,8971
DG-039	805257,6923	824450,8971	DG-110	805307,6923	824435,8971
DG-040	805282,6923	824450,8971	DG-111	805332,6923	824435,8971
DG-041	805307,6923	824450,8971	DG-112	805357,6923	824435,8971
DG-042	805332,6923	824450,8971	DG-113	805382,6923	824435,8971
DG-043	805357,6923	824450,8971	DG-114	805407,6923	824435,8971
DG-044	805382,6923	824450,8971	DG-115	805432,6923	824435,8971
DG-045	805407,6923	824450,8971	DG-116	805457,6923	824435,8971
DG-046	805432,6923	824450,8971	DG-117	805482,6923	824435,8971
DG-047	805457,6923	824450,8971	DG-118	805507,6923	824435,8971
DG-048	805482,6923	824450,8971	DG-119	805532,6923	824435,8971
DG-049	805507,6923	824450,8971	DG-120	805557,6923	824435,8971
DG-050	805532,6923	824450,8971	DG-121	805582,6923	824435,8971
DG-051	805557,6923	824450,8971	DG-122	805607,6923	824435,8971
DG-052	805582,6923	824450,8971	DG-123	805632,6923	824435,8971
DG-053	805607,6923	824450,8971	DG-124	805657,6923	824435,8971
DG-054	805632,6923	824450,8971	DG-125	805682,6923	824435,8971
DG-055	805657,6923	824450,8971	DG-126	805707,6923	824435,8971
DG-056	805682,6923	824450,8971	DG-127	805732,6923	824435,8971
DG-057	805707,6923	824435,8971	DG-128	805757,6923	824435,8971
DG-058	805732,6923	824435,8971	DG-129	805782,6923	824435,8971
DG-059	805757,6923	824435,8971	DG-130	805807,6923	824435,8971
DG-060	805782,6923	824435,8971	DG-131	805832,6923	824435,8971
DG-061	805807,6923	824435,8971	DG-132	805857,6923	824435,8971
DG-062	805832,6923	824435,8971	DG-133	805882,6923	824435,8971
DG-063	805857,6923	824435,8971	DG-134	805907,6923	824435,8971
DG-064	805882,6923	824435,8971	DG-135	805932,6923	824435,8971
DG-065	805907,6923	824435,8971	DG-136	805957,6923	824435,8971
DG-066	805932,6923	824435,8971	DG-137	805982,6923	824435,8971
DG-067	805957,6923	824435,8971	DG-138	806007,6923	824435,8971
DG-068	805982,6923	824435,8971	DG-139	806032,6923	824435,8971
DG-069	806007,6923	824435,8971	DG-140	806057,6923	824435,8971
DG-070	806032,6923	824435,8971	DG-141	806082,6923	824435,8971
DG-071	806057,6923	824435,8971	DG-142	806107,6923	824435,8971
DG-072	806082,6923	824435,8971	DG-143	806132,6923	824435,8971
DG-073	806107,6923	824435,8971	DG-144	806157,6923	824435,8971
DG-074	806132,6923	824435,8971	DG-145	806182,6923	824435,8971
DG-075	806157,6923	824435,8971	DG-146	806207,6923	824435,8971
DG-076	806182,6923	824435,8971	DG-147	806232,6923	824435,8971
DG-077	806207,6923	824435,8971	DG-148	806257,6923	824435,8971
DG-078	806232,6923	824435,8971	DG-149	806282,6923	824435,8971
DG-079	806257,6923	824435,8971	DG-150	806307,6923	824435,8971
DG-080	806282,6923	824435,8971	DG-151	806332,6923	824435,8971
DG-081	806307,6923	824435,8971	DG-152	806357,6923	824435,8971
DG-082	806332,6923	824435,8971	DG-153	806382,6923	824435,8971
DG-083	806357,6923	824435,8971	DG-154	806407,6923	824435,8971
DG-084	806382,6923	824435,8971	DG-155	806432,6923	824435,8971
DG-085	806407,6923	824435,8971	DG-156	806457,6923	824435,8971
DG-086	806432,6923	824435,8971	DG-157	806482,6923	824435,8971
DG-087	806457,6923	824435,8971	DG-158	806507,6923	824435,8971
DG-088	806482,6923	824435,8971	DG-159	806532,6923	824435,8971
DG-089	806507,6923	824435,8971	DG-160	806557,6923	824435,8971
DG-090	806532,6923	824435,8971	DG-161	806582,6923	824435,8971
DG-091	806557,6923	824435,8971	DG-162	806607,6923	824435,8971
DG-092	806582,6923	824435,8971	DG-163	806632,6923	824435,8971
DG-093	806607,6923	824435,8971	DG-164	806657,6923	824435,8971
DG-094	806632,6923	824435,8971	DG-165	806682,6923	824435,8971
DG-095	806657,6923	824435,8971	DG-166	806707,6923	824435,8971
DG-096	806682,6923	824435,8971	DG-167	806732,6923	824435,8971
DG-097	806707,6923	824435,8971	DG-168	806757,6923	824435,8971
DG-098	806732,6923	824435,8971	DG-169	806782,6923	824435,8971
DG-099	806757,6923	824435,8971	DG-170	806807,6923	824435,8971
DG-100	806782,6923	824435,8971	DG-171	806832,6923	824435,8971
DG-101	806807,6923	824435,8971	DG-172	806857,6923	824435,8971
DG-102	806832,6923	824435,8971	DG-173	806882,6923	824435,8971
DG-103	806857,6923	824435,8971	DG-174	806907,6923	824435,8971
DG-104	806882,6923	824435,8971	DG-175	806932,6923	824435,8971
DG-105	806907,6923	824435,8971	DG-176	806957,6923	824435,8971
DG-106	806932,6923	824435,8971	DG-177	806982,6923	824435,8971
DG-107	806957,6923	824435,8971	DG-178	807007,6923	824435,8971
DG-108	806982,6923	824435,8971	DG-179	807032,6923	824435,8971
DG-109	807007,6923	824435,8971	DG-180	807057,6923	824435,8971
DG-110	807032,6923	824435,8971	DG-181	807082,6923	824435,8971
DG-111	807057,6923	824435,8971	DG-182	807107,6923	824435,8971
DG-112	807082,6923	824435,8971	DG-183	807132,6923	824435,8971
DG-113	807107,6923	824435,8971	DG-184	807157,6923	824435,8971
DG-114	807132,6923	824435,8971	DG-185	807182,6923	824435,8971
DG-115	807157,6923	824435,89			

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QUANTITATIVOS DOS ACESSOS OPERACIONAIS (L=8,00m)			
ACESSOS	COMPRIMENTO (m)	ÁREA (m²)	VOLUME DE MATERIAL (m³)
			SOLO RACHÃO BRITA 4 BICA CORRIDA
V1	74,11	592,88	88,33 118,56 59,28 26,64
V2	98,22	783,76	119,06 158,75 79,38 39,69
V3	74,45	585,60	89,34 119,12 56,56 29,78
V4	58,00	464,00	69,60 92,80 46,40 23,20
V5	171,85	1374,80	208,22 274,96 137,48 68,74
V6	82,62	660,96	99,14 132,19 66,10 33,05
V7	50,00	400,00	60,00 80,00 40,00 20,00
V8	50,00	400,00	60,00 80,00 40,00 20,00
V9	218,28	1746,08	261,01 348,22 174,61 87,30
V10	58,00	464,00	69,60 92,80 46,40 23,20
V11	58,00	464,00	69,60 92,80 46,40 23,20
V12	58,00	464,00	69,60 92,80 46,40 23,20
V13	209,84	1699,12	250,37 333,82 166,91 83,46
V14	50,00	400,00	60,00 80,00 40,00 20,00
V15	50,00	400,00	60,00 80,00 40,00 20,00
V16	50,00	400,00	60,00 80,00 40,00 20,00
V17	209,12	1690,96	240,14 320,19 160,10 80,05
V18	45,25	362,00	54,30 72,40 36,20 18,10
V19	44,54	356,32	53,45 71,26 35,63 17,82
TOTAL			2041,27 2721,70 1360,85 680,42

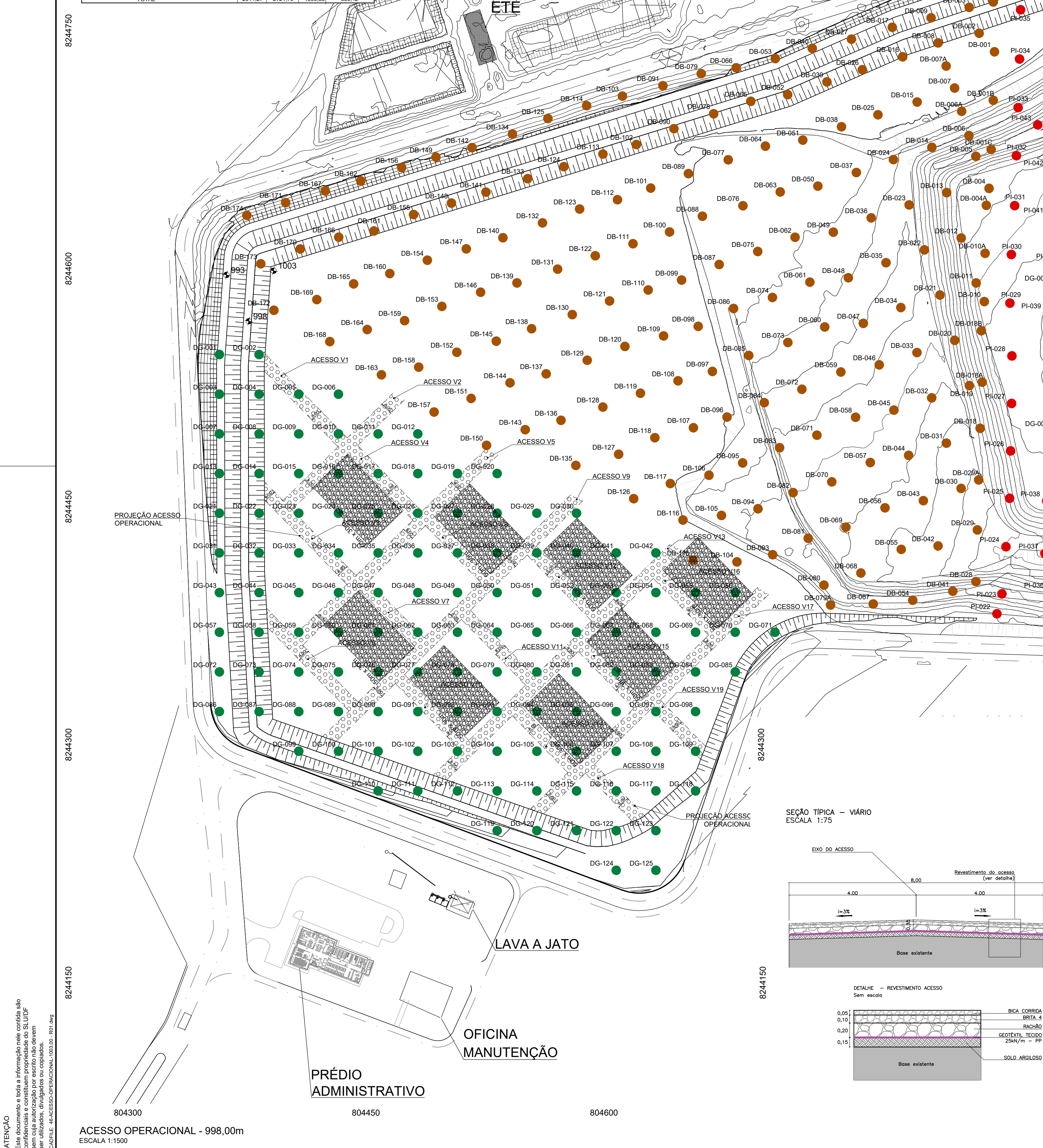


TABELA DE COORDENADAS PARA LOCAÇÃO DOS DRENOS DE GÁS (DG)					
DG	ESTE (m)	NORTE (m)	DG	ESTE (m)	NORTE (m)
DG-001	804382,6923	824403,8971	DG-072	804382,6923	824435,8971
DG-002	804382,6923	824445,8971	DG-073	804382,6923	824435,8971
DG-003	804357,6923	824420,8971	DG-074	804407,6923	824435,8971
DG-004	804481,5309	824408,5786	DG-075	804457,6923	824436,8971
DG-005	804382,6923	824420,8971	DG-076	804457,6923	824436,8971
DG-006	804407,6923	824420,8971	DG-077	804457,6923	824435,8971
DG-007	804382,6923	824420,8971	DG-078	804507,6923	824435,8971
DG-008	804382,6923	824420,8971	DG-079	804507,6923	824435,8971
DG-009	804407,6923	824420,8971	DG-080	804507,6923	824435,8971
DG-010	804407,6923	824420,8971	DG-081	804507,6923	824435,8971
DG-011	804899,4988	824646,8321	DG-082	804507,6923	824435,8971
DG-012	804407,6923	824420,8971	DG-083	804507,6923	824435,8971
DG-013	804407,6923	824420,8971	DG-084	804507,6923	824435,8971
DG-014	804407,6923	824420,8971	DG-085	804507,6923	824435,8971
DG-015	804407,6923	824420,8971	DG-086	804507,6923	824435,8971
DG-016	804407,6923	824420,8971	DG-087	804507,6923	824435,8971
DG-017	804407,6923	824420,8971	DG-088	804457,6923	824430,8971
DG-018	804482,6923	824440,8971	DG-089	804432,6923	824430,8971
DG-019	804507,6923	824440,8971	DG-090	804432,6923	824430,8971
DG-020	804407,6923	824420,8971	DG-091	804482,6923	824430,8971
DG-021	804507,6923	824445,8971	DG-092	804482,6923	824430,8971
DG-022	804382,6923	824445,8971	DG-093	804432,6923	824425,8971
DG-023	804407,6923	824445,8971	DG-094	804432,6923	824425,8971
DG-024	804432,6923	824445,8971	DG-095	804482,6923	824430,8971
DG-025	804432,6923	824445,8971	DG-096	804482,6923	824430,8971
DG-026	804482,6923	824445,8971	DG-097	804432,6923	824430,8971
DG-027	804507,6923	824445,8971	DG-098	804432,6923	824430,8971
DG-028	804532,6923	824445,8971	DG-099	804407,6923	824425,8971
DG-029	804507,6923	824445,8971	DG-100	804432,6923	824425,8971
DG-030	804582,6923	824445,8971	DG-101	804432,6923	824425,8971
DG-031	804407,6923	824420,8971	DG-102	804482,6923	824425,8971
DG-032	804382,6923	824420,8971	DG-103	804507,6923	824425,8971
DG-033	804407,6923	824420,8971	DG-104	804507,6923	824425,8971
DG-034	804407,6923	824420,8971	DG-105	804507,6923	824425,8971
DG-035	804407,6923	824420,8971	DG-106	804582,6923	824425,8971
DG-036	804407,6923	824420,8971	DG-107	804407,6923	824425,8971
DG-037	804407,6923	824420,8971	DG-108	804532,6923	824425,8971
DG-038	804407,6923	824420,8971	DG-109	804532,6923	824425,8971
DG-039	804407,6923	824420,8971	DG-110	804457,6923	824420,8971

LEGENDA

- Curva de nível
- Talude
- Talude projetado
- Cota de nível do Projeto
- ACESSO OPERACIONAL - L=8,00m (ver tabela)
- DG- Dreno de gás - 3ª etapa
- DB- Dreno vertical de biogás/percolado 2ª etapa
- PI- Dreno vertical de biogás/percolado 1ª etapa
- CH- Dreno vertical de biogás/percolado 1ª etapa
- DR- Dreno vertical de biogás/percolado 1ª etapa

NOTAS:

- BASE TOPOGRÁFICA: LEVANTAMENTO TOPOGRÁFICO EXECUTADO PELA FRAL EM AGOSTO/2021.
- COTAS E DIMENSÕES EM METRO, SALVO QUANDO INDICADO EM CONTRÁRIO.
- SOLUÇÃO EXECUTADA CONFORME ABNT NBR 6484/2020.

1	DETALHAMENTO - ACESSO OPERACIONAL	JUL/22	T.S	F.O.
0	EMISSIONAL INICIAL	MAR/22	T.S	F.O.
Nº	DESCRIÇÃO DA REVISÃO	DATA	ADEQUAÇÃO	RESP. TÉCNICO
PROJETO:		46		
TÍTULO:		ACESSO OPERACIONAL - 1003,00m		
RESP. TÉCNICO PROJETO:		ENGRº FRANCISCO J. P. OLIVEIRA		
ENGRº PROJETO:		THELMA SUMIE		
DESENHO:		THELMA S.		
REVISÃO:		1		
RESPONSABILIDADE TÉCNICA:				
FRAL CONSULTORIA LTDA.				
Rua Carlos de Almeida, 77 - Centro, São Paulo/SP CEP: 05060-000, TEL: (011) 3551-6440 e-mail: contato@fral.com.br www.fralconsultoria.com.br				

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CARTILHA DE ACESSO OPERACIONAL - 008.000 - 001 - 005

QUANTITATIVOS DOS ACESSOS OPERACIONAIS (L=8,00m)	
ACESSOS	COMPRIMENTO (m)
V1	53,34
V2	102,27
V3	58,00
V4	58,00
V5	180,39
V6	50,00
V7	50,00
V8	50,00
V9	200,34
V10	58,00
V11	58,00
V12	58,00
V13	190,72
V14	50,00
V15	50,00
V16	50,00
V17	183,39
V18	45,25
TOTAL	1854,84

VOLUME DE MATERIAL (m³)	
SOLO	RACHÃO
64,01	85,34
122,72	163,63
68,60	92,80
68,60	92,80
216,47	288,62
60,00	80,00
60,00	80,00
60,00	80,00
60,00	80,00
309,54	399,34
68,60	92,80
68,60	92,80
68,60	92,80
228,06	305,15
60,00	80,00
60,00	80,00
60,00	80,00
220,07	293,42
54,30	72,40
1236,56	1618,28

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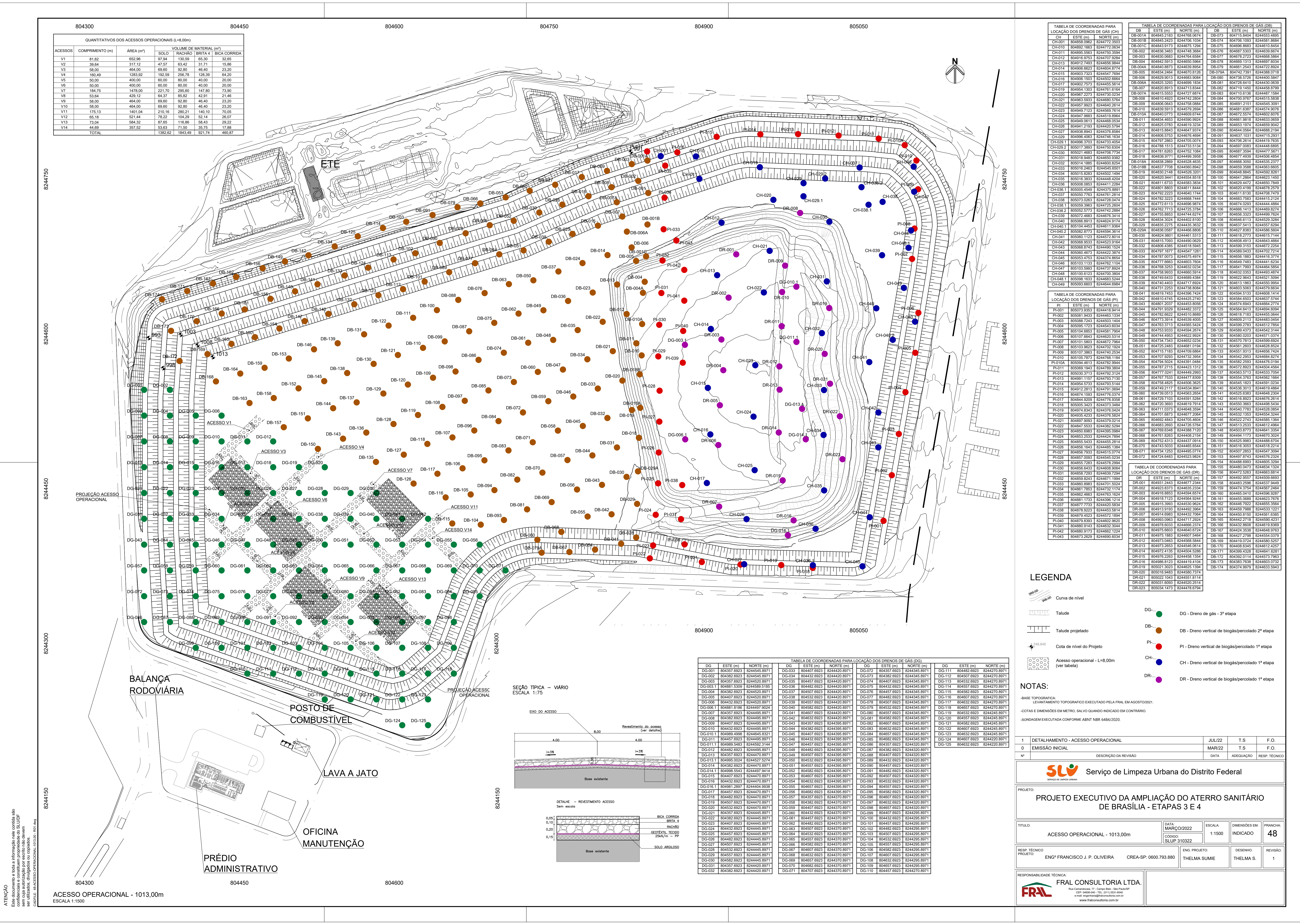
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804300			80445			
QUANTITATIVOS DOS ACESSOS OPERACIONAIS (L=8,00m)						
ACESSOS	COMPRIMENTO (m)	ÁREA (m²)	VOLUME DE MATERIAL (m³)			
			SOLO	RACHÃO	BRITA 4	BICA CORRIDA
V1	81,62	652,96	97,94	130,59	65,30	32,65
V2	39,64	317,12	47,37	63,42	31,71	15,86
V3	58,00	464,00	69,60	92,80	46,40	23,20
V4	160,49	1283,92	192,59	256,78	128,39	64,20
V5	50,00	400,00	60,00	80,00	40,00	20,00
V6	50,00	400,00	60,00	80,00	40,00	20,00
V7	184,75	1478,00	221,70	295,60	147,80	73,90
V8	53,64	429,12	64,37	85,82	42,91	21,46
V9	58,00	464,00	69,60	92,80	46,40	23,20
V10	58,00	464,00	69,60	92,80	46,40	23,20
V11	175,13	1401,04	210,16	280,21	140,10	70,05
V12	65,18	521,44	78,22	104,29	52,14	26,07
V13	73,04	584,32	87,65	116,86	58,43	29,22
V14	44,89	357,52	53,63	71,50	35,75	17,88
TOTAL			1382,62	1843,49	921,74	460,67

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ACESSO OPERACIONAL - 1013,00m
ESCALA 1:1500

SEÇÃO TÍPICA - VIÁRIO
ESCALA 1:75

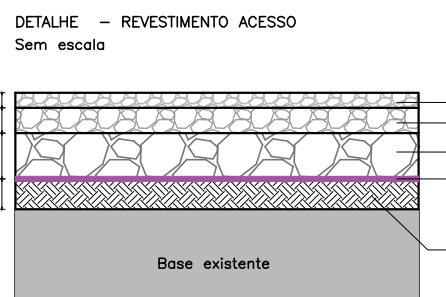
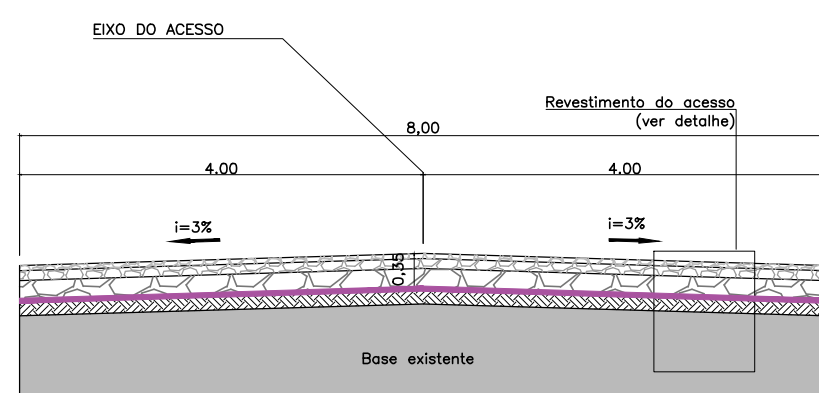
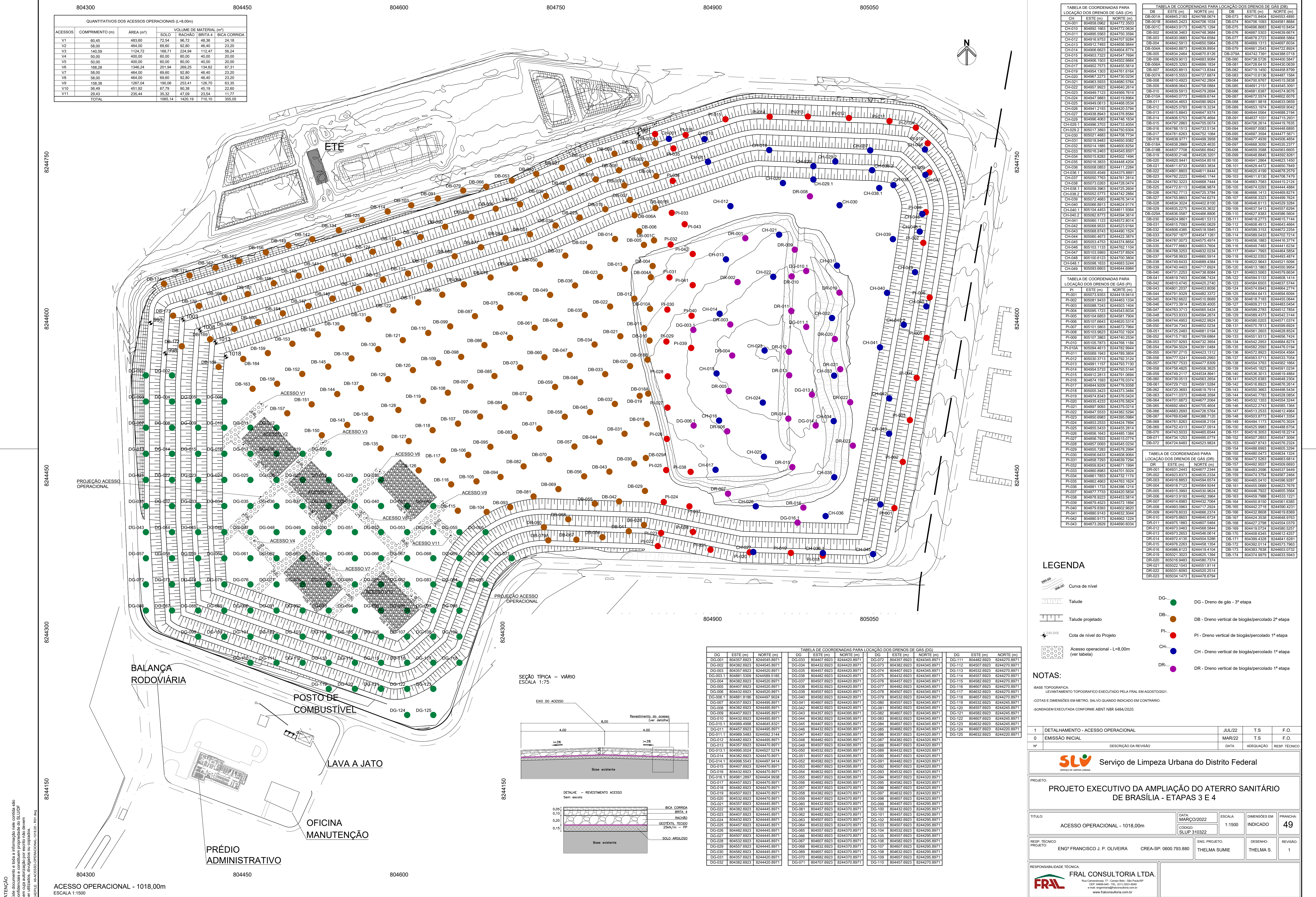


TABELA DE COORDENADAS PARA LAÇÃO DE BENS DE GÁS (DG)											
DG	ESTE (m)	NORTE (m)	DG	ESTE (m)	NORTE (m)	DG	ESTE (m)	NORTE (m)	DG	ESTE (m)	NORTE (m)
DG-001	804307,6923	8244361,8971	DG-033	804407,6923	8244336,8971	DG-065	804507,6923	8244311,8971	DG-097	804607,6923	8244286,8971
DG-002	804382,6923	8244420,8971	DG-034	804432,6923	8244405,8971	DG-066	804532,6923	8244336,8971	DG-112	804607,6923	8244279,8971
DG-003	804357,6923	8244520,8971	DG-035	804457,6923	8244480,8971	DG-067	804557,6923	8244361,8971	DG-113	804632,6923	8244270,8971
DG-004	804382,6923	8244620,8971	DG-036	804482,6923	8244535,8971	DG-068	804582,6923	8244386,8971	DG-114	804657,6923	8244261,8971
DG-005	804407,6923	8244720,8971	DG-037	804507,6923	8244590,8971	DG-069	804607,6923	8244411,8971	DG-115	804682,6923	8244254,8971
DG-006	804432,6923	8244820,8971	DG-038	804532,6923	8244645,8971	DG-077	804632,6923	8244386,8971	DG-116	804607,6923	8244270,8971
DG-008	804432,6923	8244820,8971	DG-039	804557,6923	8244700,8971	DG-078	804657,6923	8244361,8971	DG-117	804632,6923	8244270,8971
DG-009	804457,6923	8244920,8971	DG-040	804582,6923	8244755,8971	DG-079	804682,6923	8244336,8971	DG-118	804657,6923	8244270,8971
DG-010	804482,6923	8245020,8971	DG-041	804607,6923	8244810,8971	DG-080	804557,6923	8244386,8971	DG-119	804557,6923	8244285,8971
DG-012	804507,6923	8245120,8971	DG-042	804632,6923	8244865,8971	DG-081	804582,6923	8244361,8971	DG-120	804557,6923	8244285,8971
DG-009	804407,6923	8244820,8971	DG-043	804657,6923	8244920,8971	DG-082	804607,6923	8244386,8971	DG-121	804582,6923	8244285,8971
DG-013	804532,6923	8245220,8971	DG-044	804682,6923	8244975,8971	DG-083	804632,6923	8244411,8971	DG-122	804607,6923	8244285,8971
DG-010	804989,4986	8244645,8321	DG-045	804707,6923	8245030,8971	DG-084	804657,6923	8244361,8971	DG-123	804632,6923	8244285,8971
DG-011	804407,6923	8244920,8971	DG-046	804732,6923	8245085,8971	DG-085	804682,6923	8244386,8971	DG-124	804657,6923	8244270,8971
DG-011	804989,5483	8244952,3144	DG-047	804757,6923	8245140,8971	DG-086	804707,6923	8244361,8971	DG-125	804682,6923	8244270,8971
DG-012	804407,6923	8245020,8971	DG-048	804782,6923	8245195,8971	DG-087	804732,6923	8244336,8971			
DG-013	804995,0024	8244527,5274	DG-049	804807,6923	8245250,8971	DG-088	804757,6923	8244320,8971			
DG-014	804382,6923	8244720,8971	DG-050	804832,6923	8245305,8971	DG-089	804782,6923	8244320,8971			
DG-014	804989,5943	8244647,7414	DG-051	804857,6923	8245360,8971	DG-091	804807,6923	8244320,8971			
DG-010	804407,6923	8244720,8971	DG-052	804882,6923	8245415,8971	DG-092	804832,6923	8244320,8971			
DG-016	804432,6923	8244720,8971	DG-053	804907,6923	8245470,8971	DG-093	804857,6923	8244320,8971			
DG-015	804989,5287	8244645,9686	DG-054	804932,6923	8245525,8971	DG-094	804882,6923	8244320,8971			
DG-017	804407,6923	8244720,8971	DG-055	804957,6923	8245580,8971	DG-095	804907,6923	8244320,8971			
DG-018	804462,6923	8244720,8971	DG-056	804982,6923	8245635,8971	DG-096	804932,6923	8244320,8971			
DG-019	804507,6923	8244720,8971	DG-057	805007,6923	8245690,8971	DG-097	804957,6923	8244320,8971			
DG-020	804532,6923	8244820,8971	DG-058	805032,6923	8245745,8971	DG-098	804982,6923	8244320,8971			
DG-021	804557,6923	8244820,8971	DG-059	805057,6923	8245800,8971	DG-099	805007,6923	8244320,8971			
DG-022	804382,6923	8244445,8971	DG-060	805082,6923	8245855,8971	DG-100	805032,6923	8244295,8971			
DG-023	804407,6923	8244445,8971	DG-061	805107,6923	8245910,8971	DG-101	805057,6923	8244295,8971			
DG-024	804432,6923	8244445,8971	DG-062	805132,6923	8245965,8971	DG-102	805082,6923	8244295,8971			
DG-025	804457,6923	8244445,8971	DG-063	805157,6923	8246020,8971	DG-103	805107,6923	8244295,8971			
DG-026	804482,6923	8244445,8971	DG-064	805182,6923	8246075,8971	DG-104	805132,6923	8244295,8971			
DG-027	804507,6923	8244445,8971	DG-065	805207,6923	8246130,8971	DG-105	805157,6923	8244295,8971			
DG-028	804532,6923	8244445,8971	DG-066	805232,6923	8246185,8971	DG-106	805182,6923	8244295,8971			
DG-029	804557,6923	8244445,8971	DG-067	805257,6923	8246240,8971	DG-107	805207,6923	8244295,8971			
DG-030	804582,6923	8244445,8971	DG-068	805282,6923	8246295,8971	DG-108	805232,6923	8244295,8971			
DG-031	804607,6923	8244445,8971	DG-069	805307,6923	8246350,8971	DG-109	805257,6923	8244295,8971			
DG-032	804632,6923	8244220,8971	DG-070	805332,6923	8246405,8971	DG-110	805282,6923	8244295,8971			
DG-033	804657,6923	8244220,8971	DG-071	805357,6923	8246460,8971	DG-111	805307,6923	8244295,8971			



QUANTITATIVOS DOS ACESSOS OPERACIONAIS (L=8,00m)

ACESSOS	COMPRIMENTO (m)	ÁREA (m²)	VOLUME DE MATERIAL (m³)			
			SOLO	RACHÃO	BRITA 4	BICA CORRIDA
V1	60,45	483,60	72,54	96,72	48,36	24,18
V2	58,00	464,00	69,60	92,80	46,40	23,20
V3	140,59	1124,72	168,71	224,94	112,47	56,24
V4	50,00	400,00	60,00	80,00	40,00	20,00
V5	50,00	400,00	60,00	80,00	40,00	20,00
V6	168,28	1346,24	201,94	269,25	134,62	67,31
V7	58,00	464,00	69,60	92,80	46,40	23,20
V8	58,00	464,00	69,60	92,80	46,40	23,20
V9	158,38	1267,04	198,08	264,41	126,70	63,35
V10	56,49	451,92	67,79	90,38	45,19	22,60
V11	29,43	235,44	35,32	47,09	23,54	11,77
TOTAL			1065,14	1420,19	710,10	355,05

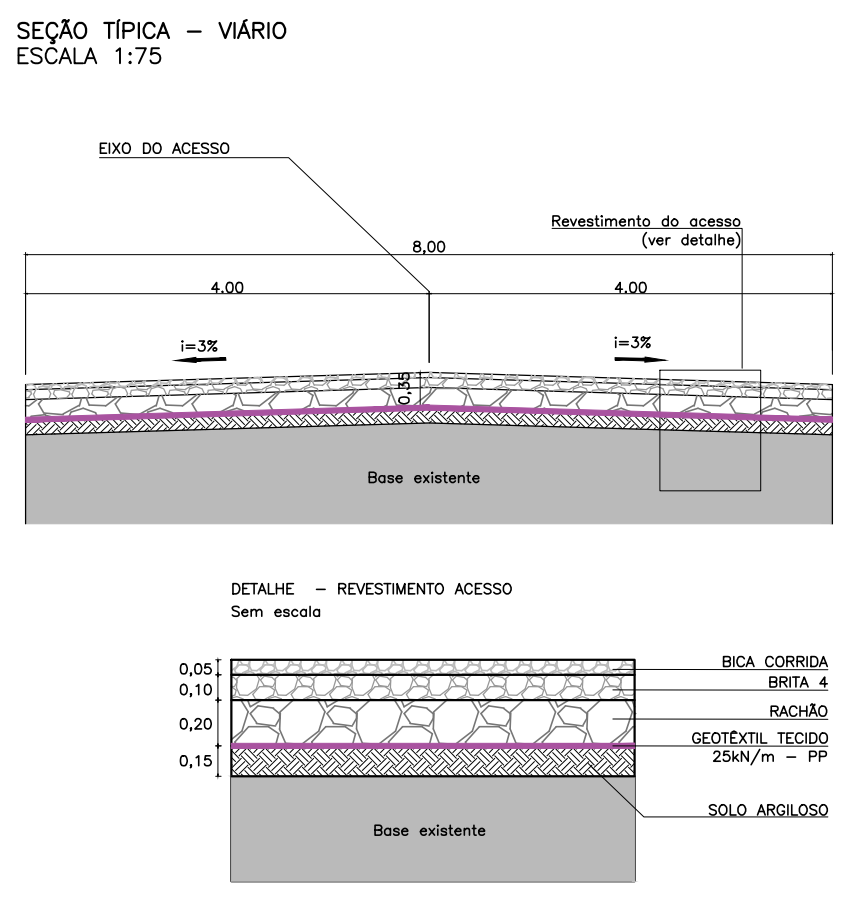


TABELA DE COORDENADAS PARA LOCAÇÃO DOS DRENOS DE GÁS (CH)

CH	ESTE (m)	NORTE (m)
CH-001	804892,1663	8244772,0634
CH-002	804895,5563	8244750,3594
CH-003	804896,9753	8244707,8284
CH-004	804912,7493	8244656,9844
CH-005	804906,6623	8244604,8774
CH-006	804903,7233	8244547,7694
CH-007	804890,1503	8244502,6664
CH-008	804902,7573	8244455,5614
CH-009	804902,8973	8244413,8344
CH-010	804907,2273	8244371,6814
CH-011	804903,5553	8244328,5284
CH-012	804907,9923	8244284,3754
CH-013	804909,7123	8244240,2224
CH-014	804907,9883	8244197,0694
CH-015	804909,0613	8244154,9164
CH-016	804914,2193	8244112,7634
CH-017	804908,8943	8244069,6104
CH-018	804906,4963	8244026,4574
CH-019	804906,3703	8243983,3044
CH-020	805017,3893	8243940,1514
CH-021	805018,4683	8243897,0084
CH-022	805018,9483	8243848,8554
CH-023	805014,1886	8243805,7024
CH-024	805016,2463	8243762,5494
CH-025	805015,3283	8243720,3964
CH-026	805008,0853	8243677,2434
CH-027	805005,4549	8243634,0904
CH-028	805050,7763	8243590,9374
CH-029	805073,0263	8243547,7844
CH-030	805059,3663	8243504,6314
CH-031	805104,4453	8243461,4784
CH-032	805103,1133	8243418,3254
CH-033	805103,5993	8243375,1724
CH-034	805100,8123	8243332,0194
CH-035	805098,1633	8243288,8664
CH-036	805093,6603	8243245,7134
CH-037	805091,1123	8243202,5604
CH-038	805068,9533	8243159,4074
CH-039	805068,5733	8243116,2544
CH-040	805050,4673	8243073,1014
CH-041	805053,4753	8243029,9584
CH-042	805103,1133	8242986,8054
CH-043	805103,5993	8242943,6524
CH-044	805100,8123	8242900,5094
CH-045	805098,1633	8242857,3564
CH-046	805093,6603	8242814,2034
CH-047	805091,1123	8242769,0504
CH-048	805068,9533	8242726,8974
CH-049	805068,5733	8242683,7444
CH-050	805050,4673	8242640,5914
CH-051	805053,4753	8242597,4384
CH-052	805103,1133	8242554,2854
CH-053	805103,5993	8242511,1324
CH-054	805100,8123	8242468,9794
CH-055	805098,1633	8242425,8264
CH-056	805093,6603	8242382,6734
CH-057	805091,1123	8242340,5204
CH-058	805068,9533	8242297,3674
CH-059	805068,5733	8242254,2144
CH-060	805050,4673	8242211,0614
CH-061	805053,4753	8242167,9084
CH-062	805103,1133	8242124,7554
CH-063	805103,5993	8242081,6024
CH-064	805100,8123	8242038,4494
CH-065	805098,1633	8242000,2964
CH-066	805093,6603	8241957,1434
CH-067	805091,1123	8241908,9904
CH-068	805068,9533	8241865,8374
CH-069	805068,5733	8241822,6844
CH-070	805050,4673	8241779,5314
CH-071	805053,4753	8241736,3784
CH-072	805103,1133	8241693,2254
CH-073	805103,5993	8241650,7024
CH-074	805100,8123	8241607,5494
CH-075	805098,1633	8241564,3964
CH-076	805093,6603	8241521,2434
CH-077	805091,1123	8241478,0904
CH-078	805068,9533	8241435,9374
CH-079	805068,5733	8241392,7844
CH-080	805050,4673	8241349,6314
CH-081	805053,4753	8241306,4784
CH-082	805103,1133	8241263,3254
CH-083	805103,5993	8241220,1724
CH-084	805100,8123	8241177,0194
CH-085	805098,1633	8241134,8664
CH-086	805093,6603	8241091,7134
CH-087	805091,1123	8241048,5604
CH-088	805068,9533	8241005,4074
CH-089	805068,5733	8240962,2544
CH-090	805050,4673	8240919,1014
CH-091	805053,4753	8240875,9584
CH-092	805103,1133	8240832,8054
CH-093	805103,5993	8240789,6524
CH-094	805100,8123	8240746,5094
CH-095	805098,1633	8240703,3564
CH-096	805093,6603	8240660,2034
CH-097	805091,1123	8240617,0504
CH-098	805068,9533	8240573,8974
CH-099	805068,5733	8240530,7444
CH-100	805050,4673	8240487,5914
CH-101	805053,4753	8240444,4384
CH-102	805103,1133	8240401,2854
CH-103	805103,5993	8240358,1324
CH-104	805100,8123	8240315,9794
CH-105	805098,1633	8240272,8264
CH-106	805093,6603	8240230,6734
CH-107	805091,1123	8240187,5204
CH-108	805068,9533	8240144,3674
CH-109	805068,5733	8240101,2144
CH-110	805050,4673	8240058,0614
CH-111	805053,4753	8240015,9084
CH-112	805103,1133	8239972,7554
CH-113	805103,5993	8239930,6024
CH-114	805100,8123	8239887,4494
CH-115	805098,1633	8239844,2964
CH-116	805093,6603	8239801,1434
CH-117	805091,1123	8239758,9904
CH-118	805068,9533	8239715,8374
CH-119	805068,5733	8239672,6844
CH-120	805050,4673	8239629,5314
CH-121	805053,4753	8239586,3784
CH-122	805103,1133	8239543,2254
CH-123	805103,5993	8239500,7024
CH-124	805100,8123	8239457,5494
CH-125	805098,1633	8239414,3964
CH-126	805093,6603	8239371,2434
CH-127	805091,1123	8239328,0904
CH-128	805068,9533	8239285,9374
CH-129	805068,5733	8239242,7844
CH-130	805050,4673	8239199,6314
CH-131	805053,4753	8239156,4784
CH-132	805103,1133	8239113,3254
CH-133	805103,5993	8239070,1724
CH-134	805100,8123	8239027,0194
CH-135	805098,1633	8238984,8664
CH-136	805093,6603	8238941,7134
CH-137	805091,1123	8238898,5604
CH-138	805068,9533	8238855,4074
CH-139	805068,5733	8238812,2544
CH-140	805050,4673	8238769,1014
CH-141	805053,4753	8238725,9584
CH-142	805103,1133	8238682,8054
CH-143	805103,5993	8238639,6524
CH-144	805100,8123	8238596,5094
CH-145	805098,1633	8238553,3564
CH-146	805093,6603	8238510,2034
CH-147	805091,1123	8238467,0504
CH-148	805068,9533	8238424,8974
CH-149	805068,5733	8238381,7444
CH-150	805050,4673	8238338,5914
CH-151	805053,4753	8238295,4384
CH-152	805103,1133	8238252,2854
CH-153	805103,5993	8238209,1324
CH-154	805100,8123	8238166,9794
CH-155	805098,1633	8238123,8264
CH-156	805093,6603	8238080,6734
CH-157	805091,1123	8238037,5204
CH-158	805068,9533	8238000,3674
CH-159	805068,5733	8237957,2144
CH-160	805050,4673	8237914,0614
CH-161	805053,4753	8237871,9084
CH-162	805103,1133	8237828,7554
CH-163	805103,5993	8237785,6024
CH-164	805100,8123	8237742,4494
CH-165	805098,1633	8237699,2964
CH-166	805093,6603	8237656,1434
CH-167	805091,1123	8237613,9904
CH-168	805068,9533	8237570,8374
CH-169	805068,5733	8237527,6844
CH-170	805050,4673	8237484,5314
CH-171	805053,4753	8237441,3784
CH-172	805103,1133	8237398,2254
CH-173	805103,5993	8237355,0724
CH-174	805100,8123	8237312,9194
CH-175	805098,1633	8237269,7664
CH-176	805093,6603	8237226,6134
CH-177	805091,1123	8237183,4604
CH-178	805068,9533	8237140,3074
CH-179	805068,5733	8237097,1544
CH-180	805050,4673	8237054,0014
CH-181	805053,4753	8237011,8484
CH-182	805103,1133	8236968,6954
CH-183	805103,5993	8236925,5424
CH-184	805100,8123	8236882,3894
CH-185	805098,1633	8236839,2364
CH-186	805093,6603	8236796,0834
CH-187	805091,1123	8236753,9304
CH-188	805068,9533	8236710,7774
CH-189	805068,5733	8236667,6244
CH-190	805050,4673	8236624,4714
CH-191	805053,4753	8236581,3184
CH-192	805103,1133	8236538,1654
CH-193	805103,5993	8236495,0124
CH-194	805100,8123	8236452,8594
CH-195	805098,1633	8236409,7064
CH-196	805093,6603	8236366,5534
CH-197	805091,1123	8236323,4004
CH-198	805068,9533	8236280,2474
CH-199	805068,5733	8236237,0944
CH-200	805050,4673	8236194,9414
CH-201	805053,4753	8236151,7884
CH-202	805103,1133	8236108,6354
CH-203	805103,5993	8236065,4824
CH-204	805100,8123	8236022,3294
CH-205	805098,1633	8235980,1764
CH-206	805093,6603	8235937,0234
CH-207	805091,1123	8235894,8704
CH-208	805068,9533	8235851,7174
CH-209	805068,5733	8235808,5644
CH-210	805050,4673	8235765,4114
CH-211	805053,4753	8235722,2584
CH-212	805103,1133	8235679,1054
CH-213	805103,5993	8235636,9524
CH-214	805100,8123	8235593,7994
CH-215	805098,1633	8235550,6464
CH-216	805093,6603	8235507,4934
CH-217	805091,1123	8235464,3404
CH-218	805068,9533	8235421,1874
CH-219	805068,5733	8235378,0344
CH-220	805050,4673	8235335,8814
CH-221	805053,4753	8235292,7284
CH-222	805103,1133	8235249,5754
CH-223	805103,5993	8235206,4224
CH-224	805100,8123	8235163,2694
CH-225	805098,1633	8235120,1164
CH-226	805093,6603	8235077,9634
CH-227	805091,1123	8235034,8104
CH-228	805068,9533	8234991,6574
CH-229	805068,5733	8234950,5044
CH-230	805050,4673	8234907,3514
CH-231	805053,4753	8234864,1984
CH-232	805103,1133	8234821,0454
CH-233	805103,5993	8234778,8924
CH-234	805100,8123	8234735,7394
CH-235	805098,1633	8234692,5864
CH-236	805093,6603	8234650,4334
CH-237	805091,1123	8234607,2804

804300		8044				
QUANTITATIVOS DOS ACESSOS OPERACIONAIS (L=8,00m)						
ACESSOS	COMPRIMENTO (m)	ÁREA (m²)	VOLUME DE MATERIAL (m³)			
			SOLO	RACHÃO	BRITA 4	BICA CORRIDA
V1	56,28	420,98	67,51	90,02	45,01	22,50
V2	120,68	965,54	144,82	193,09	96,54	48,27
V3	48,46	369,29	58,39	77,86	38,93	19,46
V4	50,00	400,00	60,00	80,00	40,00	20,00
V5	151,50	1212,00	181,80	242,40	121,20	60,60
V6	50,00	400,00	60,00	80,00	40,00	20,00
V7	50,00	400,00	60,00	80,00	40,00	20,00
V8	141,63	1133,04	169,96	226,61	113,30	56,65
V9	39,95	319,60	47,94	63,92	31,96	15,98
TOTAL			620,42	826,04	413,02	206,50

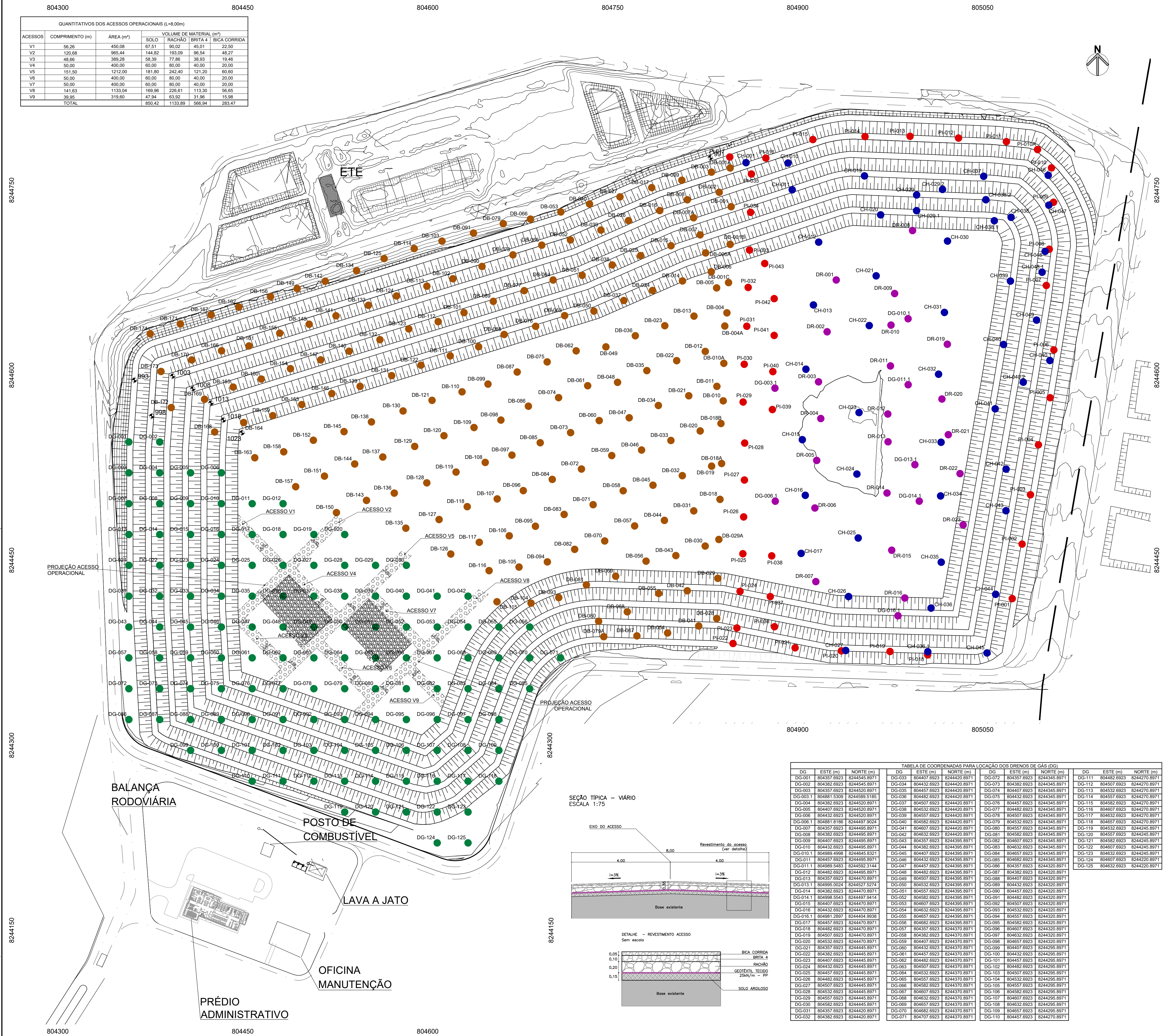


TABELA DE COORDENADAS DA LOCALIDADE DOS DRENOS DE GÁS (CH)				TABELA DE COORDENADAS PARA LOCALIZAÇÃO DOS DRENOS DE GÁS (NB)			
CH	ESTIMÉ (m)	NORTE (m)	DE	DB	ESTIMÉ (m)	NORTE (m)	DB
CH-001	804992.1663	624477.0634	DB-016	804525.7453	624468.6074	DB-016	804525.7453
CH-001	804992.1663	624477.0634	DB-017	804525.7453	624468.6074	DB-017	804525.7453
CH-011	804896.5656	624470.5930	DB-018	804525.7453	624468.6074	DB-018	804525.7453
CH-011	804896.5656	624470.5930	DB-019	804525.7453	624468.6074	DB-019	804525.7453
CH-011	804896.5656	624470.5930	DB-020	804525.7453	624468.6074	DB-020	804525.7453
CH-011	804896.5656	624470.5930	DB-021	804525.7453	624468.6074	DB-021	804525.7453
CH-011	804896.5656	624470.5930	DB-022	804525.7453	624468.6074	DB-022	804525.7453
CH-011	804896.5656	624470.5930	DB-023	804525.7453	624468.6074	DB-023	804525.7453
CH-011	804896.5656	624470.5930	DB-024	804525.7453	624468.6074	DB-024	804525.7453
CH-011	804896.5656	624470.5930	DB-025	804525.7453	624468.6074	DB-025	804525.7453
CH-011	804896.5656	624470.5930	DB-026	804525.7453	624468.6074	DB-026	804525.7453
CH-011	804896.5656	624470.5930	DB-027	804525.7453	624468.6074	DB-027	804525.7453
CH-011	804896.5656	624470.5930	DB-028	804525.7453	624468.6074	DB-028	804525.7453
CH-011	804896.5656	624470.5930	DB-029	804525.7453	624468.6074	DB-029	804525.7453
CH-011	804896.5656	624470.5930	DB-030	804525.7453	624468.6074	DB-030	804525.7453
CH-011	804896.5656	624470.5930	DB-031	804525.7453	624468.6074	DB-031	804525.7453
CH-011	804896.5656	624470.5930	DB-032	804525.7453	624468.6074	DB-032	804525.7453
CH-011	804896.5656	624470.5930	DB-033	804525.7453	624468.6074	DB-033	804525.7453
CH-011	804896.5656	624470.5930	DB-034	804525.7453	624468.6074	DB-034	804525.7453
CH-011	804896.5656	624470.5930	DB-035	804525.7453	624468.6074	DB-035	804525.7453
CH-011	804896.5656	624470.5930	DB-036	804525.7453	624468.6074	DB-036	804525.7453
CH-011	804896.5656	624470.5930	DB-037	804525.7453	624468.6074	DB-037	804525.7453
CH-011	804896.5656	624470.5930	DB-038	804525.7453	624468.6074	DB-038	804525.7453
CH-011	804896.5656	624470.5930	DB-039	804525.7453	624468.6074	DB-039	804525.7453
CH-011	804896.5656	624470.5930	DB-040	804525.7453	624468.6074	DB-040	804525.7453
CH-011	804896.5656	624470.5930	DB-041	804525.7453	624468.6074	DB-041	804525.7453
CH-011	804896.5656	624470.5930	DB-042	804525.7453	624468.6074	DB-042	804525.7453
CH-011	804896.5656	624470.5930	DB-043	804525.7453	624468.6074	DB-043	804525.7453
CH-011	804896.5656	624470.5930	DB-044	804525.7453	624468.6074	DB-044	804525.7453
CH-011	804896.5656	624470.5930	DB-045	804525.7453	624468.6074	DB-045	804525.7453
CH-011	804896.5656	624470.5930	DB-046	804525.7453	624468.6074	DB-046	804525.7453
CH-011	804896.5656	624470.5930	DB-047	804525.7453	624468.6074	DB-047	804525.7453
CH-011	804896.5656	624470.5930	DB-048	804525.7453	624468.6074	DB-048	804525.7453
CH-011	804896.5656	624470.5930	DB-049	804525.7453	624468.6074	DB-049	804525.7453
CH-011	804896.5656	624470.5930	DB-050	804525.7453	624468.6074	DB-050	804525.7453
CH-011	804896.5656	624470.5930	DB-051	804525.7453	624468.6074	DB-051	804525.7453
CH-011	804896.5656	624470.5930	DB-052	804525.7453	624468.6074	DB-052	804525.7453
CH-011	804896.5656	624470.5930	DB-053	804525.7453	624468.6074	DB-053	804525.7453
CH-011	804896.5656	624470.5930	DB-054	804525.7453	624468.6074	DB-054	804525.7453
CH-011	804896.5656	624470.5930	DB-055	804525.7453	624468.6074	DB-055	804525.7453
CH-011	804896.5656	624470.5930	DB-056	804525.7453	624468.6074	DB-056	804525.7453
CH-011	804896.5656	624470.5930	DB-057	804525.7453	624468.6074	DB-057	804525.7453
CH-011	804896.5656	624470.5930	DB-058	804525.7453	624468.6074	DB-058	804525.7453
CH-011	804896.5656	624470.5930	DB-059	804525.7453	624468.6074	DB-059	804525.7453
CH-011	804896.5656	624470.5930	DB-060	804525.7453	624468.6074	DB-060	804525.7453
CH-011	804896.5656	624470.5930	DB-061	804525.7453	624468.6074	DB-061	804525.7453
CH-011	804896.5656	624470.5930	DB-062	804525.7453	624468.6074	DB-062	804525.7453
CH-011	804896.5656	624470.5930	DB-063	804525.7453	624468.6074	DB-063	804525.7453
CH-011	804896.5656	624470.5930	DB-064	804525.7453	624468.6074	DB-064	804525.7453
CH-011	804896.5656	624470.5930	DB-065	804525.7453	624468.6074	DB-065	804525.7453
CH-011	804896.5656	624470.5930	DB-066	804525.7453	624468.6074	DB-066	804525.7453
CH-011	804896.5656	624470.5930	DB-067	804525.7453	624468.6074	DB-067	804525.7453
CH-011	804896.5656	624470.5930	DB-068	804525.7453	624468.6074	DB-068	804525.7453
CH-011	804896.5656	624470.5930	DB-069	804525.7453	624468.6074	DB-069	804525.7453
CH-011	804896.5656	624470.5930	DB-070	804525.7453	624468.6074	DB-070	804525.7453
CH-011	804896.5656	624470.5930	DB-071	804525.7453	624468.6074	DB-071	804525.7453
CH-011	804896.5656	624470.5930	DB-072	804525.7453	624468.6074	DB-072	804525.7453
CH-011	804896.5656	624470.5930	DB-073	804525.7453	624468.6074	DB-073	804525.7453
CH-011	804896.5656	624470.5930	DB-074	804525.7453	624468.6074	DB-074	804525.7453
CH-011	804896.5656	624470.5930	DB-075	804525.7453	624468.6074	DB-075	804525.7453
CH-011	804896.5656	624470.5930	DB-076	804525.7453	624468.6074	DB-076	804525.7453
CH-011	804896.5656	624470.5930	DB-077	804525.7453	624468.6074	DB-077	804525.7453
CH-011	804896.5656	624470.5930	DB-078	804525.7453	624468.6074	DB-078	804525.7453
CH-011	804896.5656	624470.5930	DB-079	804525.7453	624468.6074	DB-079	804525.7453
CH-011	804896.5656	624470.5930	DB-080	804525.7453	624468.6074	DB-080	804525.7453
CH-011	804896.5656	624470.5930	DB-081	804525.7453	624468.6074	DB-081	804525.7453
CH-011	804896.5656	624470.5930	DB-082	804525.7453	624468.6074	DB-082	804525.7453
CH-011	804896.5656	624470.5930	DB-083	804525.7453	624468.6074	DB-083	804525.7453
CH-011	804896.5656	624470.5930	DB-084	804525.7453	624468.6074	DB-084	804525.7453
CH-011	804896.5656	624470.5930	DB-085	804525.7453	624468.6074	DB-085	804525.7453
CH-011	804896.5656	624470.5930	DB-086	804525.7453	624468.6074	DB-086	804525.7453
CH-011	804896.5656	624470.5930	DB-087	804525.7453	624468.6074	DB-087	804525.7453
CH-011	804896.5656	624470.5930	DB-088	804525.7453	624468.6074	DB-088	804525.7453
CH-011	804896.5656	624470.5930	DB-089	804525.7453	624468.6074	DB-089	804525.7453
CH-011	804896.5656	624470.5930	DB-090	804525.7453	624468.6074	DB-090	804525.7453
CH-011	804896.5656	624470.5930	DB-091	804525.7453	624468.6074	DB-091	804525.7453
CH-011	804896.5656	624470.5930	DB-092	804525.7453	624468.6074	DB-092	804525.7453
CH-011	804896.5656	624470.5930	DB-093	804525.7453	624468.6074	DB-093	804525.7453
CH-011	804896.5656	624470.5930	DB-094	804525.7453	624468.6074	DB-094	804525.7453
CH-011	804896.5656	624470.5930	DB-095	804525.7453	624468.6074	DB-095	804525.7453
CH-011	804896.5656	624470.5930	DB-096	804525.7453	624468.6074	DB-096	804525.7453
CH-011	804896.5656	624470.5930	DB-097	804525.7453	624468.6074	DB-097	804525.7453
CH-011	804896.5656	624470.5930	DB-098	804525.7453	624468.6074	DB-098	804525.7453
CH-011	804896.5656	624470.5930	DB-099	804525.7453	624468.6074	DB-099	804525.7453
CH-011	804896.5656	624470.5930	DB-100	804525.7453	624468.6074	DB-100	804525.7453
CH-011	804896.5656	624470.5930	DB-101	804525.7453	624468.6074	DB-101	804525.7453
CH-011	804896.5656	624470.5930	DB-102	804525.7453	624468.6074	DB-102	804525.7453
CH-011	804896.5656	624470.5930	DB-103	804525.7453	624468.6074	DB-103	804525.7453
CH-011	804896.5656	624470.5930	DB-104	804525.7453	624468.6074	DB-104	804525.7453
CH-011	804896.5656	624470.5930	DB-105	804525.7453	624468.6074	DB-105	804525.7453
CH-011	804896.5656	624470.5930	DB-106	804525.7453	624468.6074	DB-106	804525.7453
CH-011	804896.5656	624470.5930	DB-107	804525.7453	624468.6074	DB-107	804525.7453
CH-011	804896.5656	624470.5930	DB-108	804525.7453	624468.6074	DB-108	804525.7453
CH-011	804896.5656	624470.5930	DB-109	804525.7453	624468.6074	DB-109	804525.7453
CH-011	804896.5656	624470.5930	DB-110	804525.7453	624468.6074	DB-110	804525.7453
CH-011	804896.5656	624470.5930	DB-111	804525.7453	624468.6074	DB-111	804525.7453
CH-011	804896.5656	624470.5930	DB-112	804525.7453	624468.6074	DB-112	804525.7453
CH-011	804896.5656	624470.5930	DB-113	804525.7453	624468.6074	DB-113	804525.7453
CH-011	804896.5656	624470.5930	DB-114	804525.7453	624468.6074	DB-114	804525.7453
CH-011	804896.5656	624470.5930	DB-115	804525.7453	624468.6074	DB-115	804525.7453
CH-011	804896.5656	624470.5930	DB-116	804525.7453	624468.6074	DB-116	804525.7453
CH-011	804896.5656	624470.5930	DB-117	804525.7453	624468.6074	DB-117	804525.7453
CH-011	804896.5656	624470.5930	DB-118	804525.7453	624468.6074	DB-118	804525.7453
CH-011	804896.5656	624470.5930	DB-119	804525.7453	624468.6074	DB-119	804525.7453
CH-011	804896.5656	624470.5930	DB-120	804525.7453	624468.6074	DB-120	804525.7453
CH-011	804896.5656	624470.5930					

TABELA DE COORDENADAS PARA OCUÇÃO DOS DRENOS DE GÁS (PI)			TABELA DE COORDENADAS PARA OCUÇÃO DOS DRENOS DE GÁS (PI)	
PI	ESTE (m)	NORTE (m)	DB-01	DB-02
P-001	805081,9433	824463,1334	DB-04	804819,7453
P-002	805088,7274	824450,1403	DB-04	808104,4752
P-003	805096,1725	824453,6034	DB-04	807911,5299
P-004	805103,6276	824457,1665	DB-04	807911,5299
P-005	805110,5643	824460,5234	DB-04	807911,5299
P-006	805117,5010	824463,7864	DB-04	807911,5299
P-007	805124,4377	824467,0494	DB-04	807911,5299
P-008	805131,3744	824470,3124	DB-04	807911,5299
P-009	805138,3111	824473,5754	DB-04	807911,5299
P-010	805145,2478	824480,7824	DB-04	807911,5299
P-011	805152,1845	824484,0394	DB-04	807911,5299
P-012	805159,1212	824487,2964	DB-04	807911,5299
P-013	805166,0579	824490,5534	DB-04	807911,5299
P-014	805173,0000	824493,8104	DB-04	807911,5299
P-015	805179,9421	824497,0674	DB-04	807911,5299
P-016	805186,8842	824500,3244	DB-04	807911,5299
P-017	805193,8263	824503,5814	DB-04	807911,5299
P-018	805200,7684	824506,8384	DB-04	807911,5299
P-019	805207,7105	824510,0954	DB-04	807911,5299
P-020	805214,6526	824513,3524	DB-04	807911,5299
P-021	805221,5947	824516,6094	DB-04	807911,5299
P-022	805228,5368	824520,1403	DB-04	807911,5299
P-023	805235,4789	824523,3974	DB-04	807911,5299
P-024	805242,4210	824526,6544	DB-04	807911,5299
P-025	805249,3631	824529,9114	DB-04	807911,5299
P-026	805256,3052	824533,1684	DB-04	807911,5299
P-027	805263,2473	824536,4254	DB-04	807911,5299
P-028	805270,1894	824539,6824	DB-04	807911,5299
P-029	805277,1315	824542,9394	DB-04	807911,5299
P-030	805284,0736	824546,1964	DB-04	807911,5299
P-031	805291,0157	824549,4534	DB-04	807911,5299
P-032	805297,9578	824552,7104	DB-04	807911,5299
P-033	805304,8999	824555,9674	DB-04	807911,5299
P-034	805311,8420	824559,2244	DB-04	807911,5299
P-035	805318,7841	824562,4814	DB-04	807911,5299
P-036	805325,7262	824565,7384	DB-04	807911,5299
P-037	805332,6683	824569,0004	DB-04	807911,5299
P-038	805339,6104	824572,2574	DB-04	807911,5299
P-039	805346,5525	824575,5144	DB-04	807911,5299
P-040	805353,4946	824578,7714	DB-04	807911,5299
P-041	805360,4367	824582,0284	DB-04	807911,5299
P-042	805367,3788	824585,2854	DB-04	807911,5299
P-043	805374,3209	824588,5424	DB-04	807911,5299
P-044	805381,2630	824591,7994	DB-04	807911,5299
P-045	805388,2051	824595,0564	DB-04	807911,5299
P-046	805395,1472	824598,3134	DB-04	807911,5299
P-047	805402,0893	824601,5704	DB-04	807911,5299
P-048	805409,0314	824604,8274	DB-04	807911,5299
P-049	805415,9735	824608,0844	DB-04	807911,5299
P-050	805422,9156	824611,3414	DB-04	807911,5299
P-051	805429,8577	824614,5984	DB-04	

TABELA DE COORDENADAS PARA LOCALIZAÇÃO DOS DRENOS DE GAS (GR)				DB-150	DB-160	DB-175		
PL-030	804856 6433	824608 9634			804840 0743	824434 0334		
PL-001	804836 7203	824630 9738			DB-166	804847 5263	824463 0334	
PL-002	804859 6423	824657 1169			DB-157	804932 3653	824462 0334	
PL-033	804860 8983	824701 5520	DR-001	804931 2343	824487 2344	DB-158	804843 2596	824453 5737
PL-034	804861 7853	824732 1174	DR-002	804932 9373	824465 2334	DB-160	804844 3754	824453 0334
PL-035	804862 4683	824763 1761	DR-003	804916 8383	824534 6763	DB-160	804845 0413	824456 0334
PL-036	804861 1723	824596 1214	DR-004	804915 9123	824524 0344	DB-161	804845 0823	824456 0334
PL-037	804877 7733	824624 5634	DR-005	804915 3993	824534 9624	DB-162	804846 7922	824455 0334
PL-038	804876 9273	824453 5814	DR-006	804913 9133	824442 3064	DB-163	804845 0883	824453 0334
PL-039	804870 4523	824457 1894	DR-007	804914 5493	824432 1764	DB-164	804850 8153	824458 0334
PL-040	804870 4523	824457 1894	DR-008	804913 9133	824442 3064	DB-165	804851 0334	824458 0334
PL-041	804890 9143	824463 3044	DR-009	804976 6033	824466 2374	DB-166	804852 8608	824448 0334
PL-042	804880 9173	824466 1224	DR-010	804975 6033	824440 6744	DB-167	804824 3538	824448 0334
PL-043	804873 2629	824460 6034	DR-011	804975 6033	824440 6744	DB-168	804827 2798	824448 0334
			DR-012	804973 6033	824456 5844	DB-169	804819 0724	824448 0334
			DR-013	804973 2653	824546 0614	DB-170	804808 8345	824462 0334
			DR-014	804972 4133	824454 3284	DB-171	804839 4239	824464 0334
			DR-015	804973 2653	824546 1354	DB-172	804839 4239	824464 0334
			DR-016	804986 8123	824401 5164	DB-173	804835 7638	824464 0334
			DR-019	805021 3023	824462 5134			
			DR-020	805016 9483	824458 0734			
			DR-021	805022 1053	824458 1814			
			DR-022	805031 1693	824420 5014			
			DR-023	805034 1473	824478 4764			

LEGENDA

- | | | | |
|---|--|-------|--|
|  | Curva de nível | | |
|  | Talude | DG... | DG - Dreno de gás - 3ª etapa |
|  | Talude projetado | DB... | DB - Dreno vertical de biogás/percolado 2ª etapa |
|  | Cota de nível do Projeto | PI... | PI - Dreno vertical de biogás/percolado 1ª etapa |
|  | Acesso operacional - L=8,00m
(ver tabela) | CH... | CH - Dreno vertical de biogás/percolado 1ª etapa |
| | | DR... | DR - Dreno vertical de biogás/percolado 1ª etapa |

NOTAS:

-BASE TOPOGRAFICA:

LEVANTAMENTO TOPOGRAFICO EXECUTADO PELA FRAL EM AGOSTO/2021

-SONDAGEM EXECUTADA CONFORME ABNT NBR 6484/2020.

1	DETALHAMENTO - ACESSO OPERACIONAL	JUL/22	T.S	F.F
0	EMIÇÃO INICIAL	MAR/22	T.S	F.F
Nº	DESCRIÇÃO DA REVISÃO	DATA	ADEQUAÇÃO	RESP. T

 Serviço de Limpeza Urbana do Distrito Federal

PROJETO: PROJETO EXECUTIVO DA AMPLIAÇÃO DO ATERRO SANITÁRIO
DE BRASÍLIA - ETAPAS 3 E 4

TÍTULO:	DATA:	ESCALA:	DIMENSÕES EM:	PRIMEIRA:
	MARÇO/2022	1:1500	INDICADO	5
ACESSO OPERACIONAL - 1023.00m	CÓDIGO:			
	SLUP 310322			

RESP. TÉCNICO PROJETO:	ENG. PROJETO:	DESENHO:	REV.
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PROJETO:	ENGº FRANCISCO J. P. OLIVEIRA	CREA-SP: 0600.793.880	THELMA SUMIE	THELMA S.
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RESPONSABILIDADE TÉCNICA:

FDV **FORN DE CONCRETOS REBORDADOS**
Rua Camanducaia, 77 - Campo Belo - São Paulo/SP

FRAL CEP: 04906-040 - TEL: (011) 5531-6540
e-mail: engenharia@fralconsultoria.com.br

www.fralconsultoria.com.br

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ATENÇÃO
Este documento e toda a informação nele contida são
confidenciais e constam propriedade do SLUDF
e não devem ser utilizados, divulgados ou copiados
sem autorização expressa do SLUDF - 002.295

QUANTITATIVOS DOS ACESSOS OPERACIONAIS (L=8,00m)						
ACESSOS	COMPRIMENTO (m)	ÁREA (m²)	VOLUME DE MATERIAL (m³)			
			SOLO	RACHÃO	BRITA 4	BICA CORRIDA
V1	35,17	281,36	42,20	56,27	28,14	14,07
V2	34,75	278,00	41,70	55,60	27,80	13,90
V3	124,00	992,00	148,80	198,40	99,20	49,60
V4	91,72	733,76	110,06	146,75	73,38	36,69
V5	50,00	400,00	60,00	80,00	40,00	20,00
V6	114,12	912,86	136,94	182,59	91,30	45,65
V7	80,35	642,80	96,42	128,56	64,28	32,14
TOTAL			636,13	848,18	424,09	212,04

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TABELA DE COORDENADAS PARA LOCAÇÃO DOS DRENOS DE GÁS (CH)			
CH	ESTE (m)	NORTE (m)	
CH-0100	804862,1663	8244772,0634	
CH-0101	804865,5003	8244780,3504	
CH-0102	804865,5003	8244780,3504	
CH-0103	804872,7493	8244455,9844	
CH-0104	804866,6623	8244404,8774	
CH-0105	804853,7293	8244456,7864	
CH-0106	804853,7293	8244456,7864	
CH-0107	804862,7573	8244455,5874	
CH-0108	804854,1303	8244786,5164	
CH-0109	804854,1303	8244786,5164	
CH-0110	804863,5933	8244680,5754	
CH-0111	804863,5933	8244680,5754	
CH-0122	804867,9923	8244460,2614	
CH-0123	804869,1123	8244599,7614	
CH-0124	804869,1123	8244599,7614	
CH-0125	804849,0163	8244468,0504	
CH-0126	804841,2163	8244402,5794	
CH-0127	804841,2163	8244402,5794	
CH-0128	804869,0963	8244748,1654	
CH-0129	804869,0963	8244748,1654	
CH-0130	804856,1843	8244650,9394	
CH-0131	804856,1843	8244650,9394	
CH-0132	804854,1183	8244600,8254	
CH-0133	804854,1183	8244600,8254	
CH-0134	804856,1823	8244602,1494	
CH-0135	804856,1823	8244602,1494	
CH-0136	804858,0583	8244611,2284	
CH-0137	804858,0583	8244611,2284	
CH-0138	804855,7633	8244781,2784	
CH-0139	804853,0763	8244782,0474	
CH-0140	804853,0763	8244782,0474	
CH-0141	804852,2773	8244742,2884	
CH-0142	804852,2773	8244742,2884	
CH-0143	804850,7483	8244607,3414	
CH-0144	804850,7483	8244607,3414	
CH-0145	804853,4743	8244783,4864	
CH-0146	804853,4743	8244783,4864	
CH-0147	804853,4743	8244783,4864	
CH-0148	805103,5993	8244777,8904	
CH-0149	805103,5993	8244777,8904	
CH-0150	805103,6233	8244607,3904	
CH-0151	805103,6233	8244607,3904	
CH-0152	804861,6903	8244641,6964	

QUANTITATIVOS DOS ACESSOS OPERACIONAIS (L=8,00m)						
ACESSOS	COMPRIMENTO (m)	ÁREA (m²)	VOLUME DE MATERIAL (m³)			
			SOLO	RACHAO	BRITA 4	BICA CORRIDA
V1	66,30	530,40	79,56	100,58	53,04	26,54
V2	62,86	502,88	75,42	100,58	50,29	26,12
V3	59,00	464,00	69,60	92,80	46,40	23,20
V4	50,00	400,00	60,00	80,00	40,00	20,00
V5	125,67	1.005,36	150,80	201,07	100,54	50,27
V6	56,88	455,04	68,26	91,01	45,50	22,75
V7	63,81	510,48	78,51	102,10	51,05	25,52
			980,27	1.273,83	396,82	193,41

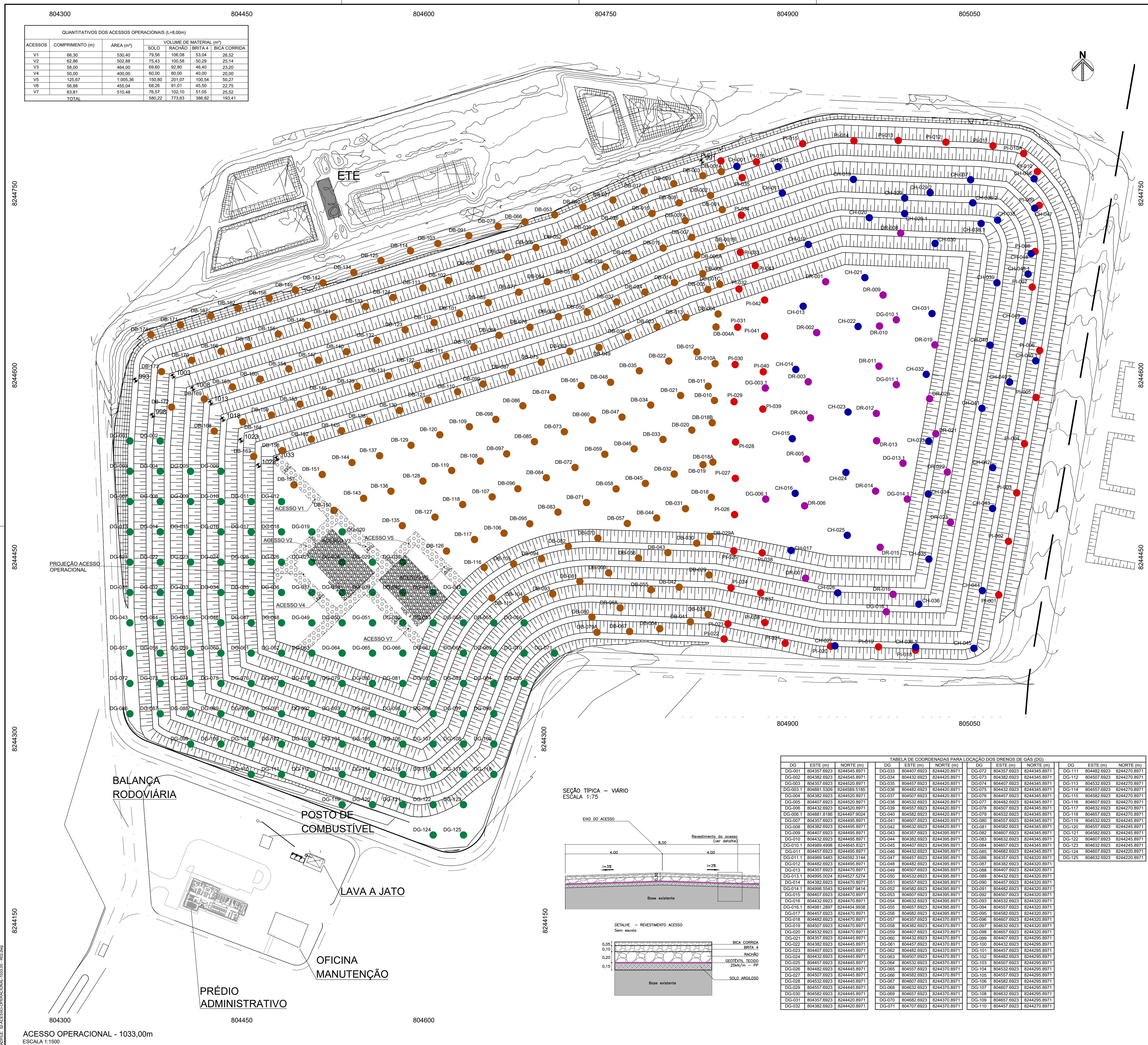


TABELA DE COORDENADAS DA LOCALIZAÇÃO DOS DRENOS DE GÁS (CH)			TABELA DE COORDENADAS PARA LOCALIZAÇÃO DOS DRENOS DE GÁS (DB)		
CH	ESTE (m)	NORTE (m)	DB	ESTE (m)	NORTE (m)
CH-001	804846.753	844727.263	DB-001	804845.783	844726.004
CH-002	804846.186	844726.004	DB-002	804846.186	844726.004
CH-003	804846.186	844726.004	DB-003	804846.186	844726.004
CH-004	804846.186	844726.004	DB-004	804846.186	844726.004
CH-005	804846.186	844726.004	DB-005	804846.186	844726.004
CH-006	804846.186	844726.004	DB-006	804846.186	844726.004
CH-007	804846.186	844726.004	DB-007	804846.186	844726.004
CH-008	804846.186	844726.004	DB-008	804846.186	844726.004
CH-009	804846.186	844726.004	DB-009	804846.186	844726.004
CH-010	804846.186	844726.004	DB-010	804846.186	844726.004
CH-011	804846.186	844726.004	DB-011	804846.186	844726.004
CH-012	804846.186	844726.004	DB-012	804846.186	844726.004
CH-013	804846.186	844726.004	DB-013	804846.186	844726.004
CH-014	804846.186	844726.004	DB-014	804846.186	844726.004
CH-015	804846.186	844726.004	DB-015	804846.186	844726.004
CH-016	804846.186	844726.004	DB-016	804846.186	844726.004
CH-017	804846.186	844726.004	DB-017	804846.186	844726.004
CH-018	804846.186	844726.004	DB-018	804846.186	844726.004
CH-019	804846.186	844726.004	DB-019	804846.186	844726.004
CH-020	804846.186	844726.004	DB-020	804846.186	844726.004
CH-021	804846.186	844726.004	DB-021	804846.186	844726.004
CH-022	804846.186	844726.004	DB-022	804846.186	844726.004
CH-023	804846.186	844726.004	DB-023	804846.186	844726.004
CH-024	804846.186	844726.004	DB-024	804846.186	844726.004
CH-025	804846.186	844726.004	DB-025	804846.186	844726.004
CH-026	804846.186	844726.004	DB-026	804846.186	844726.004
CH-027	804846.186	844726.004	DB-027	804846.186	844726.004
CH-028	804846.186	844726.004	DB-028	804846.186	844726.004
CH-029	804846.186	844726.004	DB-029	804846.186	844726.004
CH-030	804846.186	844726.004	DB-030	804846.186	844726.004
CH-031	804846.186	844726.004	DB-031	804846.186	844726.004
CH-032	804846.186	844726.004	DB-032	804846.186	844726.004
CH-033	804846.186	844726.004	DB-033	804846.186	844726.004
CH-034	804846.186	844726.004	DB-034	804846.186	844726.004
CH-035	804846.186	844726.004	DB-035	804846.186	844726.004
CH-036	804846.186	844726.004	DB-036	804846.186	844726.004
CH-037	804846.186	844726.004	DB-037	804846.186	844726.004
CH-038	804846.186	844726.004	DB-038	804846.186	844726.004
CH-039	804846.186	844726.004	DB-039	804846.186	844726.004
CH-040	804846.186	844726.004	DB-040	804846.186	844726.004
CH-041	804846.186	844726.004	DB-041	804846.186	844726.004
CH-042	804846.186	844726.004	DB-042	804846.186	844726.004
CH-043	804846.186	844726.004	DB-043	804846.186	844726.004
CH-044	804846.186	844726.004	DB-044	804846.186	844726.004
CH-045	804846.186	844726.004	DB-045	804846.186	844726.004
CH-046	804846.186	844726.004	DB-046	804846.186	844726.004
CH-047	804846.186	844726.004	DB-047	804846.186	844726.004
CH-048	804846.186	844726.004	DB-048	804846.186	844726.004
CH-049	804846.186	844726.004	DB-049	804846.186	844726.004
CH-050	804846.186	844726.004	DB-050	804846.186	844726.004

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PI-020	804856 6433	824600 9094				DB-105	80480470 0437	824634 33
PI-021	804858 7293	824603 7294				DB-156	8048472 5263	804868 035
PI-022	804859 6241	824607 1986				DB-157	8048476 3567	804868 035
PI-033	804860 8893	824670 5120				DB-158	8048483 596	804857 37
PI-034	804861 7853	824673 1176	DR-001	804851 2431	824667 2344	DB-159	8048474 3754	804867 304
PI-035	804862 4663	824675 1864	DR-002	804843 8373	824663 2334	DB-160	8048465 014	804868 035
PI-036	804861 7353	824696 1214	DR-003	804846 8163	824654 8574	DB-161	8048455 9889	804868 035
PI-037	804877 7733	824622 5356	DR-005	804845 3993	824653 9624	DB-162	8048472 7282	804865 55
PI-038	804878 9223	824455 5184	DR-006	804844 6193	824442 9034	DB-163	8048450 9180	804868 035
PI-039	804879 4523	824457 1864	DR-007	804843 9883	824432 1064	DB-164	8048450 8153	804868 035
PI-040	804880 7353	824458 1214	DR-008	804847 1722	804461 9714	DB-165	8048450 8153	804868 035
PI-041	804880 9134	824463 3034	DR-009	8048478 0633	824466 2734	DB-166	8048432 8608	804868 035
PI-042	804880 9173	824462 1224	DR-010	8048476 0603	824460 4774	DB-167	8048424 358	824468 448
PI-043	804883 2629	824469 6034	DR-011	8048476 0603	824460 4774	DB-168	8048427 2798	804868 035
			DR-012	8048473 1463	824566 584	DB-169	8048472 3019	824468 035
			DR-013	8048473 2635	824546 584	DB-170	8048048 834	824462 124
			DR-014	8048473 2635	824544 5286	DB-171	8048399 4289	824464 141
			DR-015	8048476 2625	824456 1354	DB-172	8048399 4289	824464 141
			DR-016	8048068 4123	824454 9104	DB-173	8048383 7638	824464 141
			DR-018	8050231 3023	8244625 1394			
			DR-020	805010 9483	824480 7374			
			DR-021	805022 0443	824455 8114			
			DR-022	805031 6039	8244520 2514			
			DR-023	805034 1473	824448 6794			

RENDA

LEGENDA

- | | | | |
|---|--|-------|--|
|  | Curva de nível | | |
|  | Talude | DG... | DG - Dreno de gás - 3ª etapa |
|  | Talude projetado | DB... | DB - Dreno vertical de biogás/percolado 2ª etapa |
|  | Cota de nível do Projeto | PI... | PI - Dreno vertical de biogás/percolado 1ª etapa |
|  | Acesso operacional - L=8,00m
(ver tabela) | CH... | CH - Dreno vertical de biogás/percolado 1ª etapa |
| | | DR... | DR - Dreno vertical de biogás/percolado 1ª etapa |

NOTAS:

-BASE TOPOGRAFICA:

LEVANTAMENTO TOPOGRAFICO EXECUTADO PELA FRAL EM AGOSTO/2021

-COTAS E DIMENSÕES EM METRO, SALVO QUANDO INDICADO EM CONTRÁRIO.

-SONDAGEM EXECUTADA CONFORME ABNT NBR 6484/2020.				
2	REVISÃO GERAL	MAR/23	T.S	F.O
1	DETALHAMENTO - ACESSO OPERACIONAL	JUL/22	T.S	F.O
0	EMISSÃO INICIAL	MAR/22	T.S	F.O

Nº	DESCRIÇÃO DA REVISÃO	DATA	ADEQUAÇÃO	RESP. T
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A horizontal timeline with a green dot at the 100 mark.

Serviço de Limpeza Urbana do Distrito Federal

 Serviço de Limpeza Urbana do Distrito Federal

SERVIÇO DE LIMPEZA URBANA

PROJETO: _____

PROJETO EXECUTIVO DA AMPLIAÇÃO DO ATERRO SANITÁRIO

PROJETO EXECUTIVO DA AMPLIAÇÃO DO ATERRO SANITÁRIO
DE BRASÍLIA - ETAPAS 3 E 4

DE BRASÍLIA - ETAPAS 3 E 4

DTULO:	DATA:	ESCALA:	DIMENSÃO EM:	ORIENTAÇÃO:
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ESCALA:	ESCALA:	ESCALA:	ESCALA:
MARÇO/2022	MARÇO/2022	MARÇO/2022	MARÇO/2022

ACESSO OPERACIONAL - 1033,00m	CÓDIGO:	1:1500	INDICADO	5
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	SLUP 310322			
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RESP. TÉCNICO	ENG. PROJETO:	DESENHO:	REVISÃO:
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PROJETO:	ENGº FRANCISCO J. P. OLIVEIRA	CREA-SP: 0600.793.880	THIELMA SUMIE	THIELMA S
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END 1706000Z JAN 89	ORIGIN 170600Z JAN 89	THELMA SOMIE	THELMA S.
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[illegible]

RESPONSABILIDADE TÉCNICA:	
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 FRAL CONSULTORIA LTDA.

Rua Camanducaia, 77 - Campo Belo - São Paulo/SP

FRAL CEP: 04906-040 - TEL: (011) 5531-6540
e-mail: ergonomia@fralconsultoria.com.br

www.fralconsultoria.com.br

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sem autorização expressa do SLUDF.

804300			80445			
QUANTITATIVOS DOS ACESSOS OPERACIONAIS (L=8,00m)						
ACESSOS	COMPRIMENTO (m)	ÁREA (m²)	VOLUME DE MATERIAL (m³)			
			SOLO	RACHÃO	BRITA 4	BICA CORRIDA
V1	43.72	349.76	52.46	69.95	34.98	17.49
V2	50.00	400.00	60.00	80.00	40.00	20.00
V3	50.00	400.00	60.00	80.00	40.00	20.00
V4	50.00	400.00	60.00	80.00	40.00	20.00
V5	50.00	400.00	60.00	80.00	40.00	20.00
V6	296.53	236.24	353.44	471.25	236.62	117.81
V7	47.26	378.08	56.71	75.62	37.81	18.90
V8	34.01	272.08	40.81	54.42	27.21	13.60
V9	41.94	335.52	50.33	67.10	33.55	16.78
V10	44.75	358.00	53.70	71.60	35.80	17.90
V11	50.00	400.00	60.00	80.00	40.00	20.00
V12	50.00	400.00	60.00	80.00	40.00	20.00
V13	34.41	275.28	41.29	55.06	27.53	13.76
V14	236.66	190.28	286.39	381.86	190.93	95.46
V15	50.00	400.00	60.00	80.00	40.00	20.00
V16	50.00	400.00	60.00	80.00	40.00	20.00
V17	50.00	400.00	60.00	80.00	40.00	20.00
V18	42.58	340.64	51.10	68.13	34.06	17.03
V19	270.31	2162.48	324.37	432.50	216.25	108.12
V20	50.00	400.00	60.00	80.00	40.00	20.00
V21	50.00	400.00	60.00	80.00	40.00	20.00
V22	50.00	400.00	60.00	80.00	40.00	20.00
V23	217.09	1736.72	260.51	347.34	173.67	86.84
V24	50.00	400.00	60.00	80.00	40.00	20.00
V25	44.10	352.24	52.84	70.45	35.22	17.61
V26	97.06	776.48	116.47	155.30	77.65	38.82
TOTAL			2520.42	3360.56	1680.28	

BALANÇA
RODOVIÁRIA

POSTO DE
COMBUSTÍVEL

LAVA A JATO

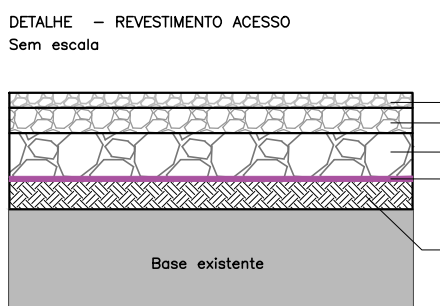
OFICINA
MANUTENÇÃO

PRÉDIO
ADMINISTRATIVO

ACESSO OPERACIONAL - 1038,00m
ESCALA 1:1500

SEÇÃO TÍPICA - VIÁRIO
ESCALA 1:75

EXO. DO ACESSO



LEGENDA

- Curva de nível
- Talude
- Talude projetado
- Cota de nível do Projeto
- ACESSO OPERACIONAL - L=8,00m (ver tabela)
- DG- Dreno de gás - 3ª etapa
- DB- Dreno vertical de biogás/percolato 2ª etapa
- PI- Dreno vertical de biogás/percolato 1ª etapa
- CH- Dreno vertical de biogás/percolato 1ª etapa
- DR- Dreno vertical de biogás/percolato 1ª etapa

NOTAS:

- BASE TOPOGRÁFICA:
LEVANTAMENTO TOPOGRÁFICO EXECUTADO PELA FRAL EM AGOSTO/2021.
- COTAS E DIMENSÕES EM METRO, SALVO QUANDO INDICADO EM CONTRÁRIO.
- SONDAGEM EXECUTADA CONFORME ABNT NBR 6484/2020.

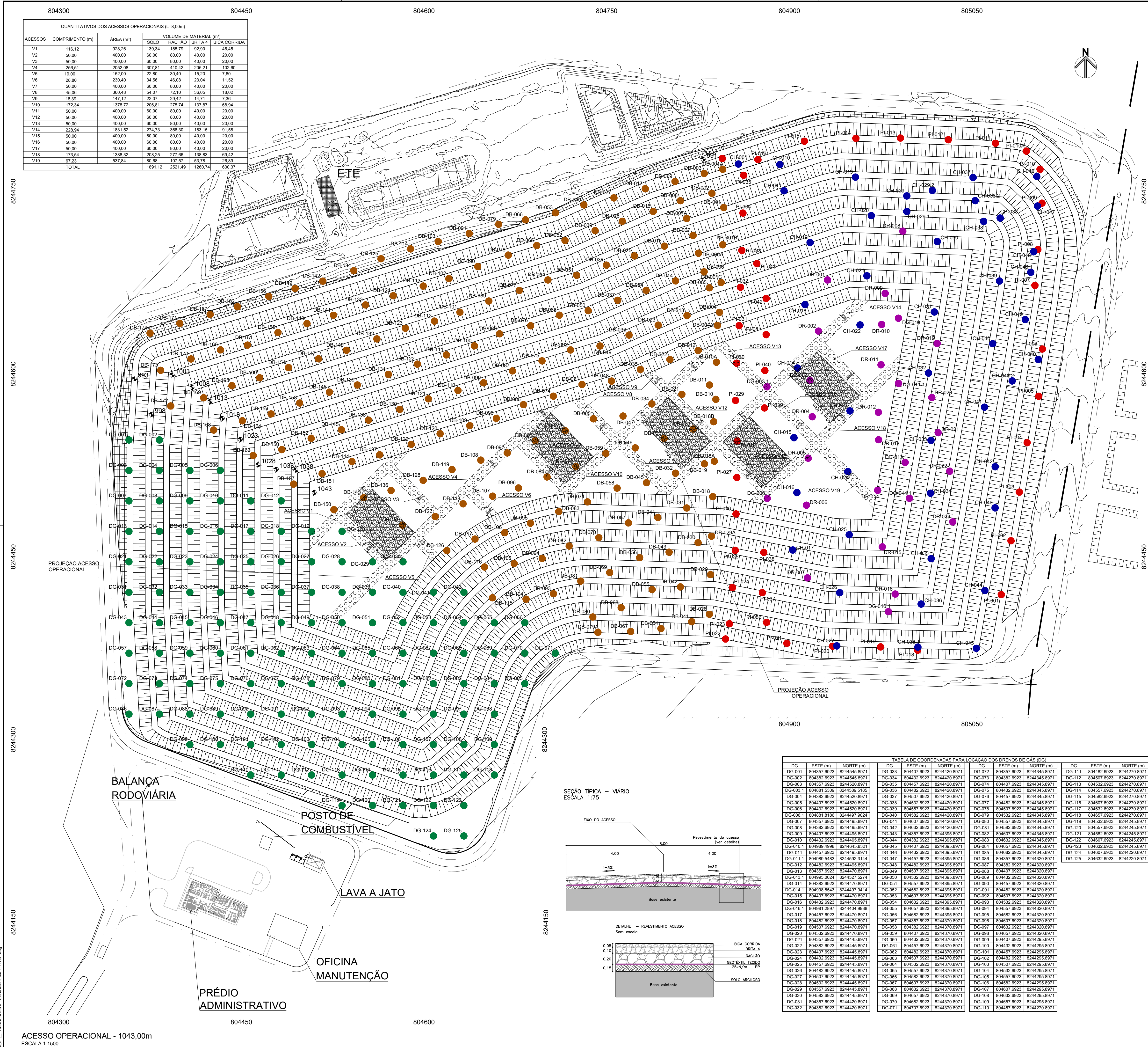
1	DETALHAMENTO - ACESSO OPERACIONAL	JUL/22	T.S	F.O.
0	EMISSIONAL INICIAL	MAR/22	T.S	F.O.
Nº	DESCRIÇÃO DA REVISÃO	DATA	ADEQUAÇÃO	RESP. TÉCNICO
PROJETO:				
TÍTULO:				
ACESSO OPERACIONAL - 1038,00m				
DATA: MARÇO/2022				
ESCALA: 1:1500				
DIMENSÕES: INDICADO				
PRANCHAS: 53				
RESP. TÉCNICO: PROJETO:				
ENG. PROJETO: CREA-SP: 060.793.880				
DESENHO: TIELMA S.				
REVISÃO: 1				
RESPONSABILIDADE TÉCNICA:				
FRAL CONSULTORIA LTDA.				
Rua Coronel João, 77 - Centro - São Paulo/SP CEP: 04040-000, TEL: (11) 3551-6644 e-mail: contato@fral.com.br www.fralconsultoria.com.br				

DG	ESTE (m)	NORTE (m)	DG	ESTE (m)	NORTE (m)	DG	ESTE (m)	NORTE (m)	DG	ESTE (m)	NORTE (m)
DG-001	804307,6923	824405,6971	DG-033	804407,6923	824435,6971	DG-065	804507,6923	824465,6971	DG-097	804607,6923	824495,6971
DG-002	804382,6923	824445,6971	DG-034	804432,6923	824445,6971	DG-066	804532,6923	824475,6971	DG-098	804632,6923	824505,6971
DG-003	804357,6923	824420,6971	DG-035	804457,6923	824445,6971	DG-067	804557,6923	824505,6971	DG-099	804657,6923	824535,6971
DG-004	804382,6923	824445,6971	DG-036	804482,6923	824445,6971	DG-068	804582,6923	824535,6971	DG-100	804682,6923	824565,6971
DG-005	804407,6923	824420,6971	DG-037	804507,6923	824445,6971	DG-069	804607,6923	824565,6971	DG-101	804707,6923	824595,6971
DG-006	804432,6923	824445,6971	DG-038	804532,6923	824445,6971	DG-070	804632,6923	824595,6971	DG-102	804732,6923	824625,6971
DG-007	804457,6923	824445,6971	DG-039	804557,6923	824445,6971	DG-071	804657,6923	824625,6971	DG-103	804757,6923	824655,6971
DG-008	804482,6923	824445,6971	DG-040	804582,6923	824445,6971	DG-072	804682,6923	824655,6971	DG-104	804782,6923	824685,6971
DG-009	804507,6923	824445,6971	DG-041	804607,6923	824445,6971	DG-073	804707,6923	824685,6971	DG-105	804807,6923	824715,6971
DG-010	804532,6923	824445,6971	DG-042	804632,6923	824445,6971	DG-074	804732,6923	824715,6971	DG-106	804832,6923	824745,6971
DG-011	804557,6923	824445,6971	DG-043	804657,6923	824445,6971	DG-075	804757,6923	824745,6971	DG-107	804857,6923	824775,6971
DG-012	804582,6923	824445,6971	DG-044	804682,6923	824445,6971	DG-076	804782,6923	824775,6971	DG-108	804882,6923	824805,6971
DG-013	804607,6923	824445,6971	DG-045	804707,6923	824445,6971	DG-077	804807,6923	824835,6971	DG-109	804907,6923	824835,6971
DG-014	804632,6923	824445,6971	DG-046	804732,6923	824445,6971	DG-078	804832,6923	824865,6971	DG-110	804932,6923	824865,6971
DG-015	804657,6923	824445,6971	DG-047	804757,6923	824445,6971	DG-079	804857,6923	824895,6971	DG-111	804957,6923	824895,6971
DG-016	804682,6923	824445,6971	DG-048	804782,6923	824445,6971	DG-080	804882,6923	824925,6971	DG-112	804982,6923	824925,6971
DG-017	804707,6923	824445,6971	DG-049	804807,6923	824445,6971	DG-081	804907,6923	824955,6971	DG-113	805007,6923	824955,6971
DG-018	804732,6923	824445,6971	DG-050	804832,6923	824445,6971	DG-082	804932,6923	824985,6971	DG-114	805032,6923	824985,6971
DG-019	804757,6923	824445,6971	DG-051	804857,6923	824445,6971	DG-083	804957,6923	825015,6971	DG-115	805057,6923	825015,6971
DG-020	804782,6923	824445,6971	DG-052	804882,6923	824445,6971	DG-084	804982,6923	825045,6971	DG-116	805082,6923	825045,6971
DG-021	804807,6923	824445,6971	DG-053	804907,6923	824445,6971	DG-085	805007,6923	825075,6971	DG-117	805107,6923	825075,6971
DG-022	804832,6923	824445,6971	DG-054	804932,6923	824445,6971	DG-086	805032,6923	825105,6971	DG-118	805132,6923	825105,6971
DG-023	804857,6923	824445,6971	DG-055	804957,6923	824445,6971	DG-087	805057,6923	825135,6971	DG-119	805157,6923	825135,6971
DG-024	804882,6923	824445,6971	DG-056	804982,6923	824445,6971	DG-088	805082,6923	825165,6971	DG-120	805182,6923	825165,6971
DG-025	804907,6923	824445,6971	DG-057	805007,6923	824445,6971	DG-089	805107,6923	825195,6971	DG-121	805207,6923	825195,6971
DG-026	804932,6923	824445,6971	DG-058	805032,6923	824445,6971	DG-090	805132,6923	825225,6971	DG-122	805232,6923	825225,6971
DG-027	804957,6923	824445,6971	DG-059	805057,6923	824445,6971	DG-091	805157,6923	825255,6971	DG-123	805257,6923	825255,6971
DG-028	804982,6923	824445,6971	DG-060	805082,6923	824445,6971	DG-092	805182,6923	825285,6971	DG-124	805282,6923	825285,6971
DG-029	805007,6923	824445,6971	DG-061	805107,6923	824445,6971	DG-093	805207,6923	825315,6971	DG-125	805307,6923	825315,6971
DG-030	805032,6923	824445,6971	DG-062	805132,6923	824445,6971	DG-094	805232,6923	825345,6971			
DG-031	805057,6923	824445,6971	DG-063	805157,6923	824445,6971	DG-095	805257,6923	825375,6971			
DG-032	805082,6923	824445,6971	DG-064	805182,6923	824445,6971	DG-096	805282,6923	825405,6971			
DG-033	805107,6923	824445,6971	DG-065	805207,6923	824445,6971	DG-097	805307,6923	825435,6971			
DG-034	805132,6923	824445,6971	DG-066	805232,6923	824445,6971	DG-098	805332,6923	825465,6971			
DG-035	805157,6923	824445,6971	DG-067	805257,6923	824445,6971	DG-099	805357,6923	825495,6971			
DG-036	805182,6923	824445,6971	DG-068	805282,6923	824445,6971	DG-100	805382,6923	825525,6971			
DG-037	805207,6923	824445,6971	DG-069	805307,6923	824445,6971	DG-101	805407,6923	825555,6971			
DG-038	805232,6923	824445,6971	DG-070	805332,6923	824445,6971	DG-102	805432,6923	825585,6971			
DG-039	805257,6923	824445,6971	DG-071	805357,6923	824445,6971	DG-103	805457,6923	825615,6971			
DG-040	805282,6923	824445,6971	DG-072	805382,6923	824445,6971	DG-104	805482,6923	825645,6971			
DG-041	805307,6923	824445,6971	DG-073	805407,6923	824445,6971	DG-105	805507,6923	825675,6971			
DG-042	805332,6923	824445,6971	DG-074	805432,6923	824445,6971	DG-106	805532,6923	825705,6971			
DG-043	805357,6923	824445,6971	DG-075	805457,6923	824445,6971	DG-107	805557,6923	825735,6971			
DG-044	805382,6923	824445,6971	DG-076	805482,6923	824445,6971	DG-108	805582,6923	825765,6971			
DG-045	805407,6923	824445,6971	DG-077	805507,6923	824445,6971	DG-109	805607,6923	825795,6971			
DG-046	805432,6923	824445,6971	DG-078	805532,6923	824445,6971	DG-110	805632,6923	825825,6971			
DG-047	805457,6923	824445,6971	DG-079	805557,6923	824445,6971						
DG-048	805482,6923	824445,6971	DG-080	805582,6923	824445,6971						
DG-049	805507,6923	824445,6971	DG-081	805607,6923	824445,6971						
DG-050	805532,6923	824445,6971	DG-082	805632,6923	824445,6971						
DG-051	805557,6923	824445,6971	DG-083	805657,6923	824445,6971						
DG-052	805582,6923	824445,6971	DG-084	805682,6923	824445,6971						
DG-053	805607,6923	824445,6971	DG-085	805707,6923	824445,6971						
DG-054	805632,6923	824445,6971	DG-086	805732,6923	824445,6971						
DG-055	805657,6923	824445,6971	DG-087	805757,6923	824445,6971						
DG-056	805682,6923	824445,6971	DG-088	805782,6923	824445,6971						
DG-057	805707,6923	824445,6971	DG-089	805807,6923	824445,6971						
DG-058	80573										

ATENÇÃO

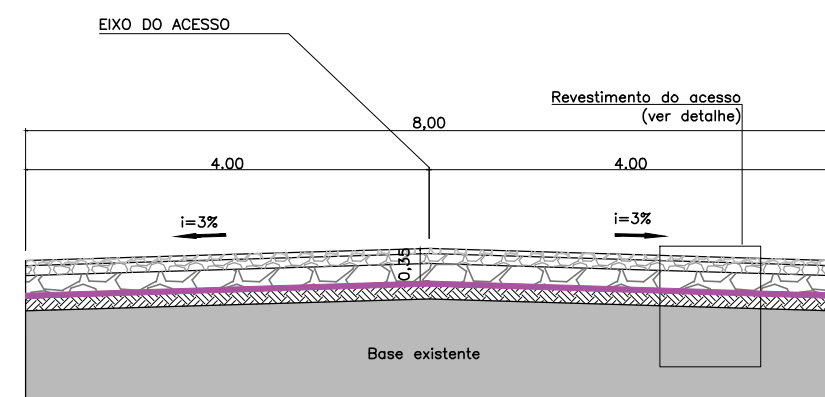
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CARTEL: SA-CESSO-OPERACIONAL-1043.00m - 0101-2025



QUANTITATIVOS DOS ACESSOS OPERACIONAIS (L=8,00m)					
ACESSOS	COMPRIMENTO (m)	ÁREA (m²)	VOLUME DE MATERIAL (m³)		
			SOLO	RACHÃO	BRITA 4
V1	116,12	929,26	126,34	165,79	92,90
V2	50,00	400,00	60,00	80,00	40,00
V3	50,00	400,00	60,00	80,00	40,00
V4	256,51	2052,08	307,81	410,42	205,21
V5	19,00	152,00	22,80	30,40	15,20
V6	28,80	230,40	34,56	46,08	23,04
V7	50,00	400,00	60,00	80,00	40,00
V8	45,06	360,48	54,07	72,10	36,05
V9	18,39	147,12	22,07	29,42	14,71
V10	172,34	1378,72	206,81	275,74	137,87
V11	50,00	400,00	60,00	80,00	40,00
V12	50,00	400,00	60,00	80,00	40,00
V13	50,00	400,00	60,00	80,00	40,00
V14	228,94	1831,52	274,73	366,30	183,15
V15	50,00	400,00	60,00	80,00	40,00
V16	50,00	400,00	60,00	80,00	40,00
V17	50,00	400,00	60,00	80,00	40,00
V18	173,54	1388,32	208,25	277,66	138,83
V19	67,23	537,84	80,68	107,57	53,78
TOTAL		1891,12	2521,49	3280,74	1693,37

SEÇÃO TÍPICA - VIÁRIO
ESCALA 1:75



DETALHE - REVESTIMENTO ACESSO
Sem escala

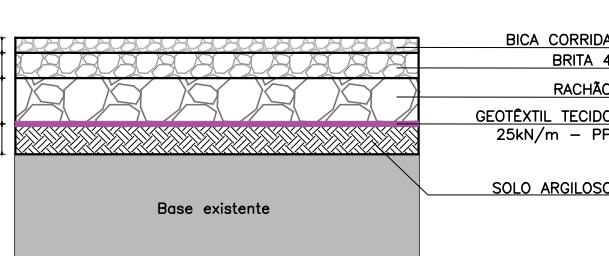


TABELA DE COORDENADAS PARA LACOAÇÃO DOS DRENOS DE GÁS (DG)											
DG	ESTE (m)	NORTE (m)	DG	ESTE (m)	NORTE (m)	DG	ESTE (m)	NORTE (m)	DG	ESTE (m)	NORTE (m)
DG-001	804307.6923	824405.8971	DG-033	804407.6923	824435.8971	DG-065	804507.6923	824465.8971	DG-097	804607.6923	824495.8971
DG-002	804382.6923	824440.8971	DG-034	804432.6923	824440.8971	DG-066	804512.6923	824470.8971	DG-098	804612.6923	824500.8971
DG-003	804357.6923	824420.8971	DG-035	804457.6923	824420.8971	DG-067	804517.6923	824475.8971	DG-099	804617.6923	824505.8971
DG-004	804382.6923	824440.8971	DG-036	804482.6923	824440.8971	DG-068	804522.6923	824480.8971	DG-100	804622.6923	824510.8971
DG-005	804407.6923	824460.8971	DG-037	804507.6923	824460.8971	DG-069	804527.6923	824485.8971	DG-101	804627.6923	824515.8971
DG-006	804432.6923	824480.8971	DG-038	804532.6923	824480.8971	DG-070	804532.6923	824490.8971	DG-102	804632.6923	824520.8971
DG-007	804457.6923	824500.8971	DG-039	804557.6923	824500.8971	DG-071	804537.6923	824495.8971	DG-103	804637.6923	824525.8971
DG-008	804482.6923	824520.8971	DG-040	804582.6923	824520.8971	DG-072	804542.6923	824500.8971	DG-104	804642.6923	824530.8971
DG-009	804507.6923	824540.8971	DG-041	804557.6923	824540.8971	DG-073	804547.6923	824505.8971	DG-105	804647.6923	824535.8971
DG-010	804532.6923	824560.8971	DG-042	804607.6923	824560.8971	DG-074	804552.6923	824510.8971	DG-106	804652.6923	824540.8971
DG-011	804557.6923	824580.8971	DG-043	804632.6923	824580.8971	DG-075	804557.6923	824515.8971	DG-107	804657.6923	824545.8971
DG-012	804582.6923	824600.8971	DG-044	804657.6923	824600.8971	DG-076	804562.6923	824520.8971	DG-108	804662.6923	824550.8971
DG-013	804607.6923	824620.8971	DG-045	804682.6923	824620.8971	DG-077	804567.6923	824525.8971	DG-109	804667.6923	824555.8971
DG-014	804632.6923	824640.8971	DG-046	804707.6923	824640.8971	DG-078	804572.6923	824530.8971	DG-110	804672.6923	824560.8971
DG-015	804657.6923	824660.8971	DG-047	804732.6923	824660.8971	DG-079	804577.6923	824535.8971	DG-111	804677.6923	824565.8971
DG-016	804682.6923	824680.8971	DG-048	804757.6923	824680.8971	DG-080	804582.6923	824540.8971	DG-112	804682.6923	824570.8971
DG-017	804707.6923	824700.8971	DG-049	804782.6923	824700.8971	DG-081	804587.6923	824545.8971	DG-113	804687.6923	824575.8971
DG-018	804732.6923	824720.8971	DG-050	804807.6923	824720.8971	DG-082	804592.6923	824550.8971	DG-114	804692.6923	824580.8971
DG-019	804757.6923	824740.8971	DG-051	804832.6923	824740.8971	DG-083	804597.6923	824555.8971	DG-115	804697.6923	824585.8971
DG-020	804782.6923	824760.8971	DG-052	804857.6923	824760.8971	DG-084	804602.6923	824560.8971	DG-116	804702.6923	824590.8971
DG-021	804807.6923	824780.8971	DG-053	804882.6923	824780.8971	DG-085	804607.6923	824565.8971	DG-117	804707.6923	824595.8971
DG-022	804832.6923	824800.8971	DG-054	804907.6923	824800.8971	DG-086	804612.6923	824570.8971	DG-118	804712.6923	824600.8971
DG-023	804857.6923	824820.8971	DG-055	804932.6923	824820.8971	DG-087	804617.6923	824575.8971	DG-119	804717.6923	824605.8971
DG-024	804882.6923	824840.8971	DG-056	804957.6923	824840.8971	DG-088	804622.6923	824580.8971	DG-120	804722.6923	824610.8971
DG-025	804907.6923	824860.8971	DG-057	804982.6923	824860.8971	DG-089	804627.6923	824585.8971	DG-121	804727.6923	824615.8971
DG-026	804932.6923	824880.8971	DG-058	805007.6923	824880.8971	DG-090	804632.6923	824590.8971	DG-122	804732.6923	824620.8971
DG-027	804957.6923	824900.8971	DG-059	805032.6923	824900.8971	DG-091	804637.6923	824595.8971	DG-123	804737.6923	824625.8971
DG-028	804982.6923	824920.8971	DG-060	805057.6923	824920.8971	DG-092	804642.6923	824600.8971	DG-124	804742.6923	824630.8971
DG-029	805007.6923	824940.8971	DG-061	805082.6923	824940.8971	DG-093	804647.6923	824605.8971	DG-125	804747.6923	824635.8971
DG-030	805032.6923	824960.8971	DG-062	805107.6923	824960.8971	DG-094	804652.6923	824610.8971			
DG-031	805057.6923	824980.8971	DG-063	805132.6923	824980.8971	DG-095	804657.6923	824615.8971			
DG-032	805082.6923	825000.8971	DG-064	805157.6923	825000.8971	DG-096	804662.6923	824620.8971			
			DG-065	805182.6923	825020.8971	DG-097	804667.6923	824625.8971			
			DG-066	805207.6923	825040.8971	DG-098	804672.6923	824630.8971			
			DG-067	805232.6923	825060.8971	DG-099	804677.6923	824635.8971			
			DG-068	805257.6923	825080.8971	DG-100	804682.6923	824640.8971			
			DG-069	805282.6923	825100.8971	DG-101	804687.6923	824645.8971			
			DG-070	805307.6923	825120.8971	DG-102	804692.6923	824650.8971			
			DG-071	805332.6923	825140.8971	DG-103	804697.6923	824655.8971			
			DG-072	805357.6923	825160.8971	DG-104	804702.6923	824660.8971			
			DG-073	805382.6923	825180.8971	DG-105	804707.6923	824665.8971			
			DG-074	805407.6923	825200.8971	DG-106	804712.6923	824670.8971			
			DG-075	805432.6923	825220.8971	DG-107	804717.6923	824675.8971			
			DG-076	805457.6923	825240.8971	DG-108	804722.6923	824680.8971			
			DG-077	805482.6923	825260.8971	DG-109	804727.6923	824685.8971			
			DG-078	805507.6923	825280.8971	DG-110	804732.6923	824690.8971			
			DG-079	805532.6923	825300.8971						
			DG-080	805557.6923	825320.8971						
			DG-081	805582.6923	825340.8971						
			DG-082	805607.6923	825360.8971						
			DG-083	805632.6923	825380.8971						
			DG-084	805657.6923	825400.8971						
			DG-085	805682.6923	825420.8971						
			DG-086	805707.6923	825440.8971						
			DG-087	805732.6923	825460.8971						
			DG-088	805757.6923	825480.8971						
			DG-089	805782.6923	825500.8971						
			DG-090	805807.6923	825520.8971						
			DG-091	805832.6923	825540.8971						
			DG-092	805857.6923	825560.8971						
			DG-093	805882.6923	825580.8971						
			DG-094	805907.6923	825600.8971						
			DG-095	805932.6923	825620.8971						
			DG-096	805957.6923	825640.8971						
			DG-097	805982.6923	825660.8971						
			DG-098	806007.6923	825680.8971						
			DG-099	806032.6923	825700.8971						
			DG-100	806057.6923	825720.8971						
			DG-101	806082.6923	825740.8971						
			DG-102	806107.6923	825760.8971						
			DG-103	806132.6923	825780.8971						
			DG-104	806157.6923	825800.8971						
			DG-105	806182.6923	825820.8971						
			DG-106	806207.6923	825840.8971						
			DG-107	806232.6923	825860.8971						
			DG-108	806257.6923	825880.8971						
			DG-109	806282.6923	825900.8971						
			DG-110	806307.6923	825920.8971						
			DG-111	806332.6923	825940.8971						
			DG-112	806357.6923	825960.8971						
			DG-113	806382.6923	825980.8971						
			DG-114	806407.6923	826000.8971						
			DG-115	806432.6923	826020.8971						
			DG-116	806457.6923	826040.8971						
			DG-117	806482.6923	826060.8971						
			DG-118	806507.6923	826080.8971						
			DG-119	806532.6923	826100.8971						
			DG-120	806557.6923	826120.8971						
			DG-121	806582.6923	826140.8971						
			DG-122	806607.6923	826160.8971						
			DG-123	806632.6923	826180.8971						
			DG-124	806657.6923	826200.8971						
			DG-125	806682.6923	826220.8971						

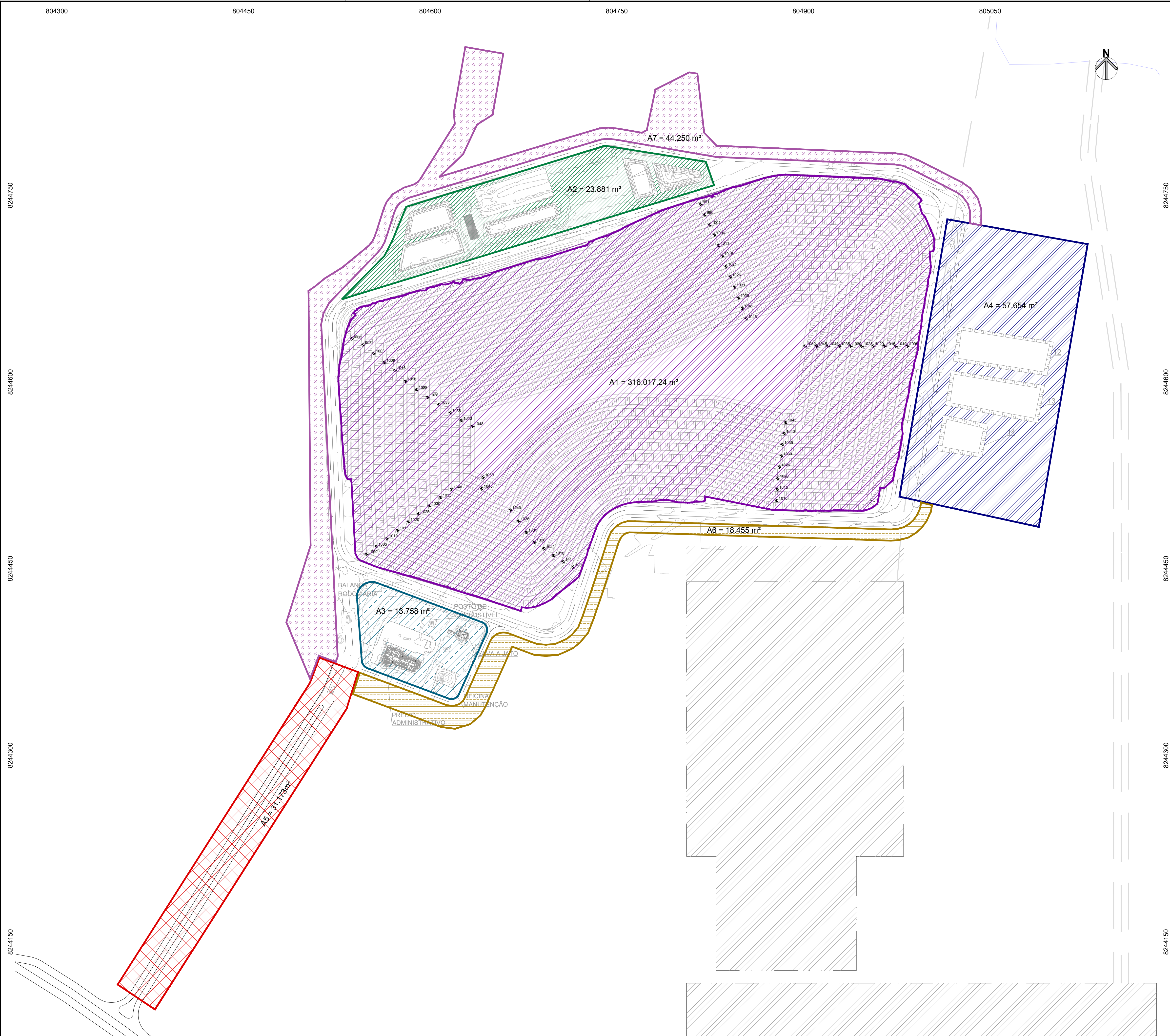
ATENÇÃO

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CADFILE: 85-MANUTENÇÃO DE ÁREAS VERDES - R01.dwg

ÁREAS VERDES - PLANTA

ESCALA 1:2250



LEGENDA

- Curva de nível
- Talude projetado
- Cota de nível do Projeto
- Área gramada A1 - 316.017,24 m²
- Área gramada A2 - 23.881 m²
- Área gramada A3 - 13.758 m²
- Área gramada A4 - 57.654 m²
- Área gramada A5 - 31.173 m²
- Área gramada A6 - 18.455 m²
- Área gramada A7 - 44.250 m²

NOTAS:

- BASE TOPOGRÁFICA: LEVANTAMENTO TOPOGRÁFICO EXECUTADO PELA FRAL EM AGOSTO/2021.
- COTAS E DIMENSÕES EM METRO, SALVO QUANDO INDICADO EM CONTRÁRIO.
- SONDAGEM EXECUTADA CONFORME ABNT NBR 6484/2020.

1	REVISÃO ÁREAS GRAMADAS	AGO/22	T.S	F.O.
0	EMIÇÃO INICIAL	JUL/22	T.S	F.O.
Nº	DESCRIÇÃO DA REVISÃO	DATA	ADEQUAÇÃO	RESP. TÉCNICO
SLU Serviço de Limpeza Urbana do Distrito Federal				
PROJETO: PROJETO EXECUTIVO DA AMPLIAÇÃO DO ATERRO SANITÁRIO DE BRASÍLIA - ETAPAS 3 E 4				
TÍTULO: MANUTENÇÃO DE ÁREAS GRAMADAS - PLANTA		DATA: JULHO/2022	ESCALA: 1:2500	DIMENSÕES EM: INDICADO
RESP. TÉCNICO PROJETO: ENGº FRANCISCO J. P. OLIVEIRA CREA-SP: 0600.793.880		ENG. PROJETO: THELMA SUMIE	DESENHO: THELMA S.	PRANCHIA: 55
RESP. TÉCNICO PROJETO: ENGº FRANCISCO J. P. OLIVEIRA CREA-SP: 0600.793.880		ENG. PROJETO: THELMA SUMIE	DESENHO: THELMA S.	REVISÃO: 1
RESPONSABILIDADE TÉCNICA: FRAL FRAL CONSULTORIA LTDA. Rua Comendador 77 - Campo Belo - São Paulo/SP CNPJ 04000-040 - TEL: 011 5531-6543 e-mail: engenheiro@fralconsultoria.com.br www.fralconsultoria.com.br				

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CAPÍTULO 3 - DRENOS VERTICAIS - 2012.04.04

DRENOS VERTICAIS - PLANTA
ESCALA 1:1500

BALANÇA
RODOVIÁRIA

POSTO DE
COMBUSTÍVEL

LAVA A JATO

OFICINA
MANUTENÇÃO

PRÉDIO
ADMINISTRATIVO

TABELA DE COTAS E QUANTITATIVOS DOS DRENOS DE GÁS (DG)			
DG	COTA INICIAL (m)	COTA FINAL (m)	COMPRIMENTO (m)
DG-069	998.00	1.018.00	20.00
DG-070	998.50	1.012.50	14.00
DG-071	999.00	1.008.00	9.00
DG-072	992.00	994.00	2.00
DG-073	992.50	1.011.50	19.00
DG-074	993.00	1.013.00	20.00
DG-075	993.50	1.017.50	24.00
DG-076	994.00	1.020.00	26.00
DG-077	994.50	1.023.50	29.00
DG-078	995.00	1.026.00	31.00
DG-079	995.50	1.029.50	34.00
DG-080	996.00	1.032.00	36.00
DG-081	996.50	1.035.50	39.00
DG-082	997.00	1.028.00	31.00
DG-083	997.50	1.022.50	25.00
DG-084	998.00	1.014.50	16.00
DG-085	998.50	1.008.00	9.00
DG-086	992.50	994.50	2.00
DG-087	993.00	1.002.00	9.00
DG-088	993.50	1.007.50	14.00
DG-089	994.00	1.009.00	15.00
DG-090	994.50	1.009.50	15.00
DG-091	995.00	1.015.00	20.00
DG-092	995.50	1.019.50	24.00
DG-093	996.00	1.022.00	26.00
DG-094	996.50	1.025.50	29.00
DG-095	997.00	1.028.00	31.00
DG-096	997.50	1.026.50	29.00
DG-097	998.00	1.019.50	21.00
DG-098	999.00	1.013.00	14.00
DG-099	994.00	999.00	5.00
DG-100	994.50	1.003.50	9.00
DG-101	995.00	1.005.00	10.00
DG-102	995.50	1.009.50	14.00
DG-103	996.00	1.011.00	15.00
DG-104	996.50	1.011.50	15.00
DG-105	997.00	1.017.00	20.00
DG-106	997.50	1.021.50	24.00
DG-107	998.00	1.022.50	24.00
DG-108	999.00	1.018.00	19.00
DG-109	999.50	1.013.50	14.00
DG-110	995.50	997.50	2.00
DG-111	996.00	1.001.00	5.00
DG-112	996.50	1.005.50	9.00
DG-113	997.00	1.007.00	10.00
DG-114	997.50	1.011.50	14.00
DG-115	998.00	1.014.50	16.00

TABELA DE COTAS E QUANTITATIVOS DOS DRENOS DE GÁS (DG)			
DG	COTA INICIAL (m)	COTA FINAL (m)	COMPRIMENTO (m)
DG-116	999.00	1.015.00	16.00
DG-117	999.50	1.013.50	14.00
DG-118	1.000.00	1.009.00	9.00
DG-119	997.50	999.50	2.00
DG-120	998.50	1.003.50	5.00
DG-121	999.00	1.008.00	9.00
DG-122	999.50	1.008.50	9.00
DG-123	1.000.00	1.005.00	5.00
DG-124	1.000.00	1.002.00	2.00
DG-125	1.000.50	1.002.50	2.00

LEGENDA

- 999.00 996.00 Curva de nível
- 111111 Talude
- 111111 Talude projetado
- 248.848 Cota de nível do Projeto
- DG- Dreno de gás - 3ª etapa
- DB- Dreno vertical de biogás/percolato 2ª etapa
- PI- Dreno vertical de biogás/percolato 1ª etapa
- CH- CH - Dreno vertical de biogás/percolato 1ª etapa
- DR- Dreno vertical de biogás/percolato 1ª etapa

TABELA DE COTAS E QUANTITATIVOS DOS DRENOS DE GÁS (DR)			
DR	COTA INICIAL (m)	COTA FINAL (m)	COMPRIMENTO* (m)
DR-001	1.038.00	1.030.00	-
DR-002	1.038.00	1.053.00	15.00
DR-003	1.038.00	1.053.00	15.00
DR-004	1.038.00	1.053.00	15.00
DR-005	1.038.00	1.053.00	15.00
DR-006	1.038.00	1.048.00	10.00
DR-007	1.038.00	1.048.00	10.00
DR-008	1.038.00	1.026.00	-
DR-009	1.038.00	1.040.00	2.00
DR-010	1.038.00	1.053.00	15.00
DR-011	1.038.00	1.048.00	10.00
DR-012	1.038.00	1.053.00	15.00
DR-013	1.038.00	1.044.00	6.00
DR-014	1.038.00	1.030.00	-
DR-015	1.038.00	1.034.00	-
DR-016	1.038.00	1.034.00	-
DR-017	1.038.00	1.029.00	-
DR-018	1.038.00	1.034.00	-
DR-019	1.038.00	1.029.00	-
DR-020	1.038.00	1.034.00	-
DR-021	1.038.00	1.029.00	-
DR-022	1.038.00	1.024.00	-

TABELA DE COTAS E QUANTITATIVOS DOS DRENOS DE GÁS (CH)			
CH	COTA INICIAL (m)	COTA FINAL (m)	COMPRIMENTO* (m)
CH-013	1.038.00	1.040.00	2.00
CH-014	1.038.00	1.053.00	15.00
CH-015	1.038.00	1.053.00	15.00
CH-016	1.038.00	1.053.00	15.00
CH-017	1.038.00	1.029.00	-
CH-021	1.038.00	1.045.00	7.00
CH-022	1.038.00	1.053.00	15.00
CH-023	1.038.00	1.053.00	15.00
CH-024	1.038.00	1.053.00	15.00
CH-025	1.038.00	1.034.00	-
CH-026	1.038.00	1.027.00	-
CH-031	1.038.00	1.043.00	5.00
CH-032	1.038.00	1.034.00	-
CH-033	1.038.00	1.029.00	-
CH-034	1.038.00	1.029.00	-
CH-035	1.038.00	1.026.00	-

TABELA DE COTAS E QUANTITATIVOS DOS DRENOS DE GÁS (DB)			
DB	COTA INICIAL (m)	COTA FINAL (m)	COMPRIMENTO* (m)
DB-001C	1.038.00	1.029.00	-
DB-004	1.038.00	1.034.00	-
DB-004A	1.038.00	1.034.00	-
DB-005	1.038.00	1.029.00	-
DB-010	1.038.00	1.053.00	15.00
DB-010A	1.038.00	1.053.00	15.00
DB-011	1.038.00	1.053.00	15.00
DB-012	1.038.00	1.045.00	7.00
DB-013	1.038.00	1.029.00	-
DB-018	1.038.00	1.053.00	15.00
DB-018A	1.038.00	1.053.00	15.00
DB-019	1.038.00	1.053.00	15.00
DB-020	1.038.00	1.053.00	15.00
DB-021	1.038.00	1.053.00	15.00
DB-022	1.038.00	1.047.00	9.00
DB-023	1.038.00	1.029.00	-
DB-030	1.038.00	1.026.00	-
DB-031	1.038.00	1.034.00	-
DB-032	1.038.00	1.053.00	15.00
DB-033	1.038.00	1.053.00	15.00
DB-034	1.038.00	1.053.00	15.00
DB-035	1.038.00	1.046.00	8.00
DB-036	1.038.00	1.029.00	-
DB-043	1.038.00	1.029.00	-
DB-044	1.038.00	1.033.00	-
DB-045	1.038.00	1.047.00	9.00
DB-046	1.038.00	1.053.00	15.00
DB-047	1.038.00	1.053.00	15.00
DB-048	1.038.00	1.046.00	8.00
DB-049	1.038.00	1.029.00	-
DB-056	1.038.00	1.029.00	-
DB-057	1.038.00	1.035.00	-
DB-058	1.038.00	1.049.00	11.00
DB-059	1.038.00	1.053.00	15.00
DB-060	1.038.00	1.053.00	15.00
DB-061	1.038.00	1.034.00	-
DB-062	1.038.00	1.029.00	-
DB-070	1.038.00	1.029.00	-
DB-071	1.038.00	1.034.00	-
DB-072	1.038.00	1.053.00	15.00
DB-073	1.038.00	1.053.00	15.00
DB-074	1.038.00	1.034.00	-
DB-075	1.038.00	1.029.00	-
DB-082	1.038.00	1.029.00	-
DB-083	1.038.00	1.034.00	-
DB-084	1.038.00	1.053.00	15.00
DB-085	1.038.00	1.053.00	15.00
DB-086	1.038.00	1.029.00	-
DB-087	1.038.00	1.029.00	-
DB-088	1.038.00	1.029.00	-
DB-089	1.038.00	1.034.00	-
DB-095	1.038.00	1.053.00	15.00
DB-096	1.038.00	1.029.00	-
DB-097	1.038.00	1.053.00	15.00
DB-098	1.038.00	1.045.00	7.00
DB-099	1.038.00	1.029.00	-
DB-105	1.038.00	1.029.00	-
DB-106	1.038.00	1.034.00	-
DB-107	1.038.00	1.053.00	15.00
DB-108	1.038.00	1.053.00	15.00
DB-109	1.038.00	1.045.00	7.00
DB-110	1.038.00	1.029.00	-
DB-116	1.038.00	1.029.00	-
DB-117	1.038.00	1.035.00	-
DB-118	1.038.00	1.053.00	15.00
DB-119	1.038.00	1.053.00	15.00
DB-120	1.038.00	1.045.00	7.00
DB-121	1.038.00	1.029.00	-
DB-128	1.038.00	1.053.00	15.00
DB-127	1.038.00	1.053.00	15.00
DB-128	1.038.00	1.040.00	2.00
DB-129	1.038.00	1.048.00	10.00
DB-130	1.038.00	1.029.00	-
DB-135	1.038.00	1.053.00	15.00
DB-136	1.038.00	1.053.00	15.00
DB-137	1.038.00	1.048.00	10.00
DB-138	1.038.00	1.029.00	-
DB-143	1.038.00	1.053.00	15.00
DB-144	1.038.00	1.048.00	10.00
DB-145	1.038.00	1.029.00	-
DB-150	1.038.00	1.053.00	15.00
DB-151	1.038.00	1.047.00	9.00
DB-152	1.038.00	1.029.00	-
DB-157	1.038.00	1.034.00	-
DB-158	1.038.00	1.029.00	-

NOTAS:

-BASE TOPOGRÁFICA:
LEVANTAMENTO TOPOGRÁFICO EXECUTADO PELA FRAL EM AGOSTO/2021.
COTAS E DIMENSÕES EM METRO, SALVO QUANDO INDICADO EM CONTRÁRIO.
-OS DRENOS VERTICAIS A SEREM IMPLANTADOS NA ETAPA 1, 2 e 4 FORAM CONSIDERADOS NO QUANTITATIVO PARA ESSE PROJETO A PARTIR DA COTA 1.038.00m.

COMPRIMENTO TOTAL DOS DRENOS VERTICAIS	
TOTAL (m)	3.935.00

0 EMISSÃO INICIAL		JUL/22	T.S.	F.O.			
Nº		DATA	ADEQUAÇÃO	RESP. TÉCNICO			
PROJETO:		Serviço de Limpeza Urbana do Distrito Federal					
PROJETO EXECUTIVO DA AMPLIAÇÃO DO ATERRO SANITÁRIO DE BRASÍLIA - ETAPAS 3 E 4		56					
TÍTULO:		DATA: JULHO/2022	ESCALA: 1:1500	DIMENSÕES EM: PRANCHAS:			
DRENOS VERTICAIS - PLANTA		CODIGO: SLUP 200722	INDICADO	56			
RESP. TÉCNICO:	ENGº FRANCISCO J. P. OLIVEIRA	CREA-SP: 0600.793.880	ENG. PROJETO:	DESENHO:			
PROJETO:	ENGº FRANCISCO J. P. OLIVEIRA	CREA-SP: 0600.793.880	THELMA SUMIE	CLAUDIO JR.			
REVISÃO:		0					
RESPONSABILIDADE TÉCNICA:							
FRAL CONSULTORIA LTDA.							
Rua Camargo, 17 - Campo Belo - São Paulo/SP CNPJ nº 06.000.000/0001-00 - Tel: (11) 3031-6666 e-mail: engenharia@fralconsultoria.com.br www.fralconsultoria.com.br							