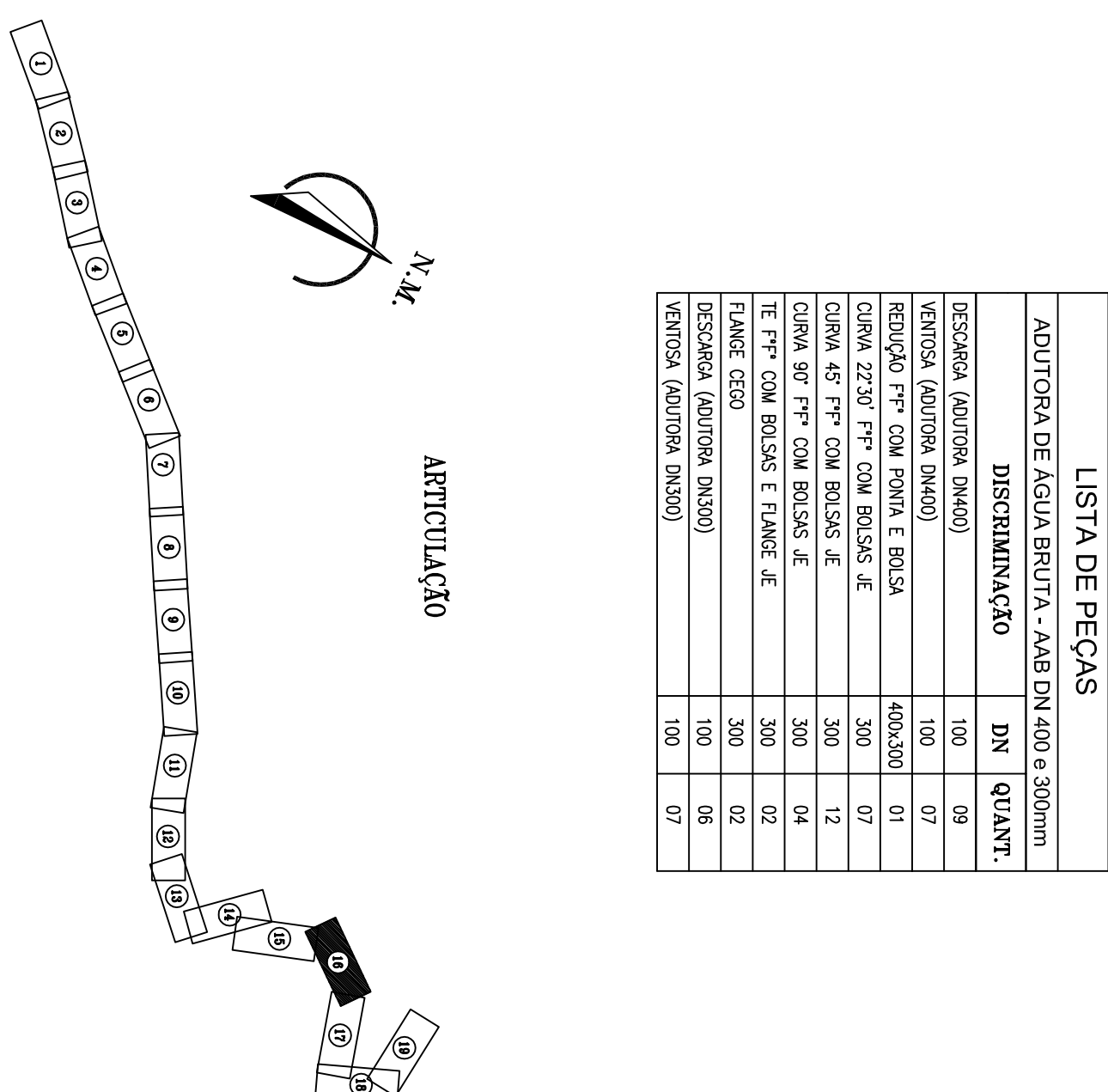























ESTACAS	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
COM DO TERRENO	23.172	23.110	23.040	22.979	22.919	22.859	22.608	23.097	23.184	23.227	22.997	22.788	22.445	22.407	22.246	21.650	20.976	20.153	19.503	18.923	18.316	17.692	17.293	17.514	18.548	19.308	20.306	21.063	21.499	21.809	21.927	21.987	21.987	21.995	21.986	21.982	21.968	21.882	21.677	22.047	22.975	23.587	24.220	24.728	25.007	25.285	25.889	26.327	26.498	26.605	26.705	26.808	26.913	26.944	26.930	26.860	26.736	26.534	26.292	26.159	25.889																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
COM DO PROJETO	20,846	20,784	20,714	20,653	20,513	20,265	20,282	20,771	20,858	20,901	20,671	20,462	20,129	20,081	19,920	19,324	18,650	17,827	17,177	16,597	15,990	15,366	14,967	15,188	16,222	16,982	17,980	18,737	19,173	19,483	19,601	19,661	19,669	19,660	19,656	19,642	19,556	19,351	19,721	20,649	21,261	21,894	22,402	22,681	22,959	23,563	24,827	25,008	25,188	25,208	25,497	25,828	26,080	26,248	26,305	26,358	26,405	26,448	26,486	26,519	26,552	26,585	26,618	26,651	26,684	26,717	26,750	26,783	26,816	26,849	26,882	26,915	26,948	26,981	27,014	27,047	27,080	27,113	27,146	27,179	27,212	27,245	27,278	27,311	27,344	27,377	27,410	27,443	27,476	27,509	27,542	27,575	27,608	27,641	27,674	27,707	27,740	27,773	27,806	27,839	27,872	27,905	27,938	27,971	28,004	28,037	28,070	28,103	28,136	28,169	28,202	28,235	28,268	28,301	28,334	28,367	28,400	28,433	28,466	28,499	28,532	28,565	28,598	28,631	28,664	28,697	28,730	28,763	28,796	28,829	28,862	28,895	28,928	28,961	28,994	29,027	29,060	29,093	29,126	29,159	29,192	29,225	29,258	29,291	29,324	29,357	29,390	29,423	29,456	29,489	29,522	29,555	29,588	29,621	29,654	29,687	29,720	29,753	29,786	29,819	29,852	29,885	29,918	29,951	29,984	30,017	30,050	30,083	30,116	30,149	30,182	30,215	30,248	30,281	30,314	30,347	30,380	30,413	30,446	30,479	30,512	30,545	30,578	30,611	30,644	30,677	30,710	30,743	30,776	30,809	30,842	30,875	30,908	30,941	30,974	31,007	31,040	31,073	31,106	31,139	31,172	31,205	31,238	31,271	31,304	31,337	31,370	31,403	31,436	31,469	31,502	31,535	31,568	31,601	31,634	31,667	31,700	31,733	31,766	31,799	31,832	31,865	31,898	31,931	31,964	31,997	32,030	32,063	32,096	32,129	32,162	32,195	32,228	32,261	32,294	32,327	32,360	32,393	32,426	32,459	32,492	32,525	32,558	32,591	32,624	32,657	32,690	32,723	32,756	32,789	32,822	32,855	32,888	32,921	32,954	32,987	33,020	33,053	33,086	33,119	33,152	33,185	33,218	33,251	33,284	33,317	33,350	33,383	33,416	33,449	33,482	33,515	33,548	33,581	33,614	33,647	33,680	33,713	33,746	33,779	33,812	33,845	33,878	33,911	33,944	33,977	34,010	34,043	34,076	34,109	34,142	34,175	34,208	34,241	34,274	34,307	34,340	34,373	34,406	34,439	34,472	34,505	34,538	34,571	34,604	34,637	34,670	34,703	34,736	34,769	34,802	34,835	34,868	34,901	34,934	34,967	35,000	35,033	35,066	35,099	35,132	35,165	35,198	35,231	35,264	35,297	35,330	35,363	35,396	35,429	35,462	35,495	35,528	35,561	35,594	35,627	35,660	35,693	35,726	35,759	35,792	35,825	35,858	35,891	35,924	35,957	35,990	36,023	36,056	36,089	36,122	36,155	36,188	36,221	36,254	36,287	36,320	36,353	36,386	36,419	36,452	36,485	36,518	36,551	36,584	36,617	36,650	36,683	36,716	36,749	36,782	36,815	36,848	36,881	36,914	36,947	36,980	37,013	37,046	37,079	37,112	37,145	37,178	37,211	37,244	37,277	37,310	37,343	37,376	37,409	37,442	37,475	37,508	37,541	37,574	37,607	37,640	37,673	37,706	37,739	37,772	37,805	37,838	37,871	37,904	37,937	37,970	38,003	38,036	38,069	38,102	38,135	38,168	38,201	38,234	38,267	38,300	38,333	38,366	38,399	38,432	38,465	38,498	38,531	38,564	38,597	38,630	38,663	38,696	38,729	38,762	38,795	38,828	38,861	38,894	38,927	38,960	38,993	39,026	39,059	39,092	39,125	39,158	39,191	39,224	39,257	39,290	39,323	39,356	39,389	39,422	39,455	39,488	39,521	39,554	39,587	39,620	39,653	39,686	39,719	39,752	39,785	39,818	39,851	39,884	39,917	39,950	39,983	40,016	40,049	40,082	40,115	40,148	40,181	40,214	40,247	40,280	40,313	40,346	40,379	40,412	40,445	40,478	40,511	40,544	40,577	40,610	40,643	40,676	40,709	40,742	40,775	40,808	40,841	40,874	40,907	40,940	40,973	41,006	41,039	41,072	41,105	41,138	41,171	41,204	41,237	41,270	41,303	41,336	41,369	41,402	41,435	41,468	41,501	41,534	41,567	41,600	41,633	41,666	41,699	41,732	41,765	41,798	41,831	41,864	41,897	41,930	41,963	41,996	42,029	42,062	42,095	42,128	42,161	42,194	42,227	42,260	42,293	42,326	42,359	42,392	42,425	42,458	42,491	42,524	42,557	42,590	42,623	42,656	42,689	42,722	42,755	42,788	42,821	42,854	42,887	42,920	42,953	42,986	43,019	43,052	43,085	43,118	43,151	43,184	43,217	43,250	43,283	43,316	43,349	43,382	43,415	43,448	43,481	43,514	43,547	43,580	43,613	43,646	43,679	43,712	43,745	43,778	43,811	43,844	43,877	43,910	43,943	43,976	44,009	44,042	44,075	44,108	44,141	44,174	44,207	44,240	44,273	44,306	44,339	44,372	44,405	44,438	44,471	44,504	44,537	44,570	44,603	44,636	44,669	44,702	44,735	44,768	44,801	44,834	44,867	44,900	44,933	44,966	44,999	45,032	45,065	45,098	45,131	45,164	45,197	45,230	45,263	45,296	45,329	45,362	45,395	45,428	45,461	45,494	45,527	45,560	45,593	45,626	45,659	45,692	45,725	45,758	45,791	45,824	45,857	45,890	45,923	45,956	45,989	46,022	46,055	46,088	46,121	46,154	46,187	46,220	46,253	46,286	46,319	46,352	46,385	46,418	46,451	46,484	46,517	46,550	46,583	46,616	46,649	46,682	46,715	46,748	46,781	46,814	46,847	46,880	46,913	46,946	46,979	47,012	47,045	47,078	47,111	47,144	47,177	47,210	47,243	47,276	47,309	47,342	47,375	47,408	47,441	47,474	47,507	47,540	47,573	47,606	47,639	47,672	47,705	47,738	47,771	47,804	47,837	47,870	47,903	47,936	47,969	48,002	48,035	48,068	48,101	48,134	48,167	48,200	48,233	48,266	48,299	48,332	48,365	48,398	48,431	48,464	48,497	48,530	48,563	48,596	48,629	48,662	48,695	48,728	48,761	48,794	48,827	48,860	48,893	48,926	48,959	48,992	49,025	49,058	49,091	49,124	49,157	49,190	49,223	49,256	49,289	49,322	49,355	49,388	49,421	49,454	49,487	49,520	49,553	49,586	49,619	49,652	49,685	49,718	49,751	49,784	49,817	49,850	49,883	49,916	49,949	49,982	50,015	50,048	50,081	50,114	50,147	50,180	50,213	50,246	50,279	50,312	50,345	50,378	50,411	50,444	50,477	50,510	50,543	50,576	50,609	50,642	50,675	50,708	50,741	50,774	50,807	50,840	50,873	50,906	50,939	50,972	51,005	51,038	51,071	51,104	51,137	51,170	51,203	51,236	51,269	51,302	51,335	51,368	51,401	51,434	51,467	51,500	51,533	51,566	51,599	51,632	51,665	51,698	51,731	51,764	51,797	51,830	51,863	51,896	51,929	51,962	51,995	52,028	52,061	52,094	52,127	52,160	52,193	52,226	52,259	52,292	52,325	52,358	52,391	52,424	52,457	52,490	52,523	52,556	52,589	52,622	52,655	52,688	52,721	52,754	52,787	52,820	52,853	52,886	52,919	52,952	52,985	53,018	53,051	53,084	53,117	53,150	53,183	53,216	53,249	53,282	53,315	53,348	53,381	53,414	53,447	53,480	53,513	53,546	53,579	53,612	53,645	53,678	53,711	53,744	53,777	53,810	53,843	53,876	53,909	53,942	53,975	54,008	54,041	54,074	54,107	54,140	54,173	54,206	54,239	54,272	54,305	54,338	54,371	54,404	54,437	54,470	54,503	54,536	54,569	54,602	54,635	54,668	54,701	54,734	54,767	54,800	54,833	54,866	54,899	54,932	54,965	54,998	55,031	55,064	55,097	55,130	55,163	55,196	55,229	55,262	55,295	55,328	55,361	55,394	55,427	55,460	55,493	55,526	55,559	55,592	55,625	55,658	55,691	55,724	55,757	55,790	55,823	55,856	55,889	55,922	55,955	55,988	56,021	56,054	56,087	56,120	56,153	56,186	56,219	56,252	56,285	56,318	56,351	56,384	56,417	56,450	56,483	56,516	56,549	56,582	56,615	56,648	56,681	56,714	56,747	56,780	56,813	56,846	56,879	56,912	56,945	56,978	57,011	57,044	57,077	57,110	57,143	57,176	57,209	57,242	57,275	57,308	57,341	57,374	57,407	57,440	57,473	57,506	57,539	57,572	57,605	57,638	57,671	57,704	57,737	57,770	57,803	57,836	57,869	57,902	57,935	57,968	58,001	58,034	58,067	58,100	58,133	58,166	58,199</




LISTA DE PEÇAS		
DISCRIMINAÇÃO	DN	QUANT.
ADUTORIA DE ÁGUA BRUTA - AAB DN 400 e 300mm		
DESCARGA (ADUTORIA DN400)	100	07
VENTOSA (ADUTORIA DN400)	100	09
REDUÇÃO 4" DN POMBA E BOLSAS	400x300	01
CAIMAR 22/20 FPM COLAR BOLSAS JE	300	07
CAIMAR 45" FPM COLAR BOLSAS JE	300	12
CAIMAR 90" FPM COLAR BOLSAS JE	300	300
JE FPM COLAR BOLSAS E FLANGE JE	300	02
FLANGE CEGO	300	02
DESCARGA (ADUTORIA DN300)	100	06
VENTOSA (ADUTORIA DN300)	100	07

LEGENDA

	ESTRADA
	TERRENO
	ADUTORA PROLETADA
	CAMINHAMENTO LEVEIROTO
	REDE EXECUTADA
	MEIO FIO
	CERCA
	BUEIRO/PONTE
	EDIFICAÇÕES
	RIO/RANCHO/LAGODA
	POSTE
	TANQUE HIDROPNEUMÁTICO
	TANQUE DE ALIMENTAÇÃO UNIDIRECIONAL
	VENTOSA
	VENTOSA
	REGISTRO DE DESCARGA
	COP – CAIXA DE QUEBRA DE PRESSÃO
	ZONA A SER SUBMERSA PELO AZUDE
	VIA SEM PAVIMENTAÇÃO
	VIA COM PAVIMENTAÇÃO ASFÁLTICA
	ADUTORA PRETENDIDA A SER ESCAVADA PELA UNIDADE

[illegible]

	COMPANHIA DE ÁGUA E ESGOTO DO CEARÁ		DESENHO	PLANÇAMA Nº
	DIRETORIA DE ENGENHARIA		02	16/19
	GERÊNCIA DE PROJETOS			
	SISTEMA DE ABASTECIMENTO DE ÁGUA DE CASCAVEL			
	PROJETO BÁSICO			
ALTERNATIVA DO ENCAMINHAMENTO DA AUTODORA DE ÁGUA BRUTA PACAULUS-CASCATEL CAMINHAMENTO E PERFIL				
GERÊNCIA:	ENR. PAUL THIERRE DE ABRUJUA LEITAO			
CONCESSIONÁRIO:	ENR. GERAARDO FROTA NETO			
PROJETO:	ENR. LEONARDO CARVALHO DE SOUSA RNP 06/1,186,371-5			
DESENHO:	JOÃO INACRIDIO			
ARQUIVO:	02_SMA-MB-PROCAUS-CASCATEL_Perfil e Caminhamento_11-19.dwg			
	ESCALA:	INDICADA		
	DATA:	AGO/2018		