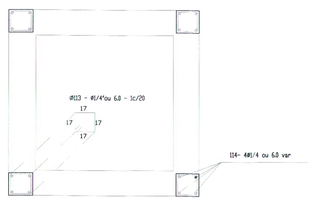
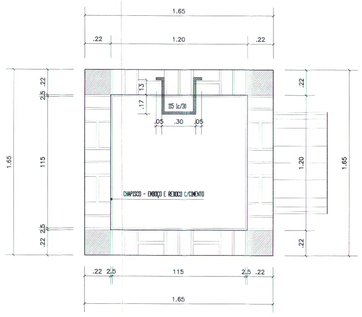
POÇO DE VISITA EM CONCRETO E ALVENARIA

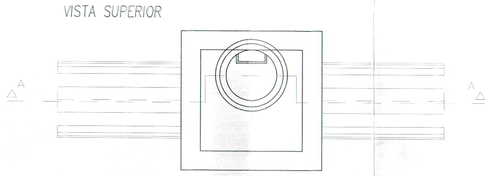
PILARES



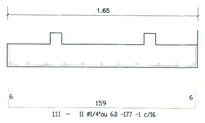
CORTE BB'



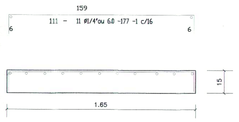
VISTA SUPERIOR



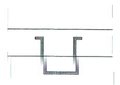
ARMADURA DA LAJE SUPERIOR



ARMADURA DA LAJE INFERIOR



DEGRAUS



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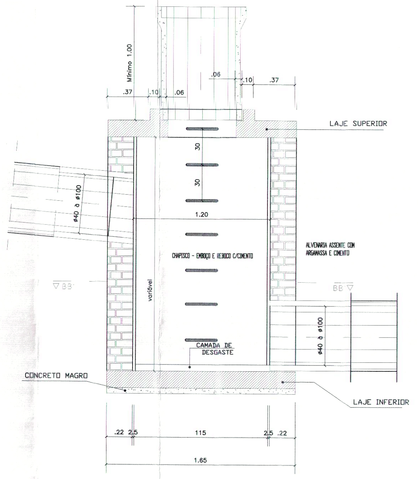


REFORÇO APIOI CHAMINÉ

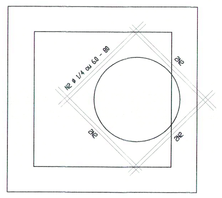


TABELA DE ARMADURAS					RESUMO ACO CA 50 - 60 B		
Nº	Φ	Q	COMPRIMENTO PARCIAL	COMPRIMENTO TOTAL	Φ	COMPRIMENTO TOTAL	
POÇO + E	TAMPÃO +	RETARGO			1/4 ou 6.0	kg/m=0.250	21.07
1	1/4 ou 6.0	44	1.77	77.88		kg/m=0.222	18.71
2	1/4 ou 6.0	8	0.80	6.40			
PILARES	+ p/ Fundo				1/4 ou 6.0	kg/m=0.250	4.94
3	1/4 ou 6.0	5	0.75	3.75		kg/m=0.222	4.38
4	1/4 ou 6.0	16	vor.	16.00			
5	1/2	3	1.20	3.60	1/2	kg/m=0.985	3.35

D.E.P

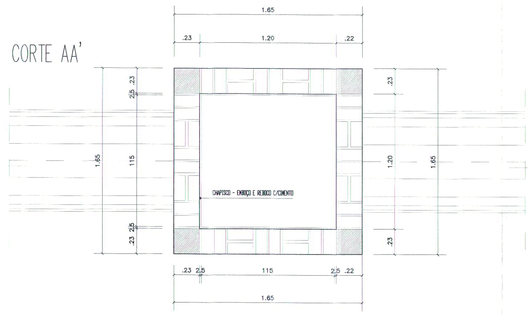
PROJETO
POÇO DE VISITA EM CONCRETO E ALVENARIA
P/ Φ<=1,00 m H <= 3,00 "Forma e Armadura"

ESPECIFICAÇÕES
DISPOSITIVO DE DRENAGEM URBANA

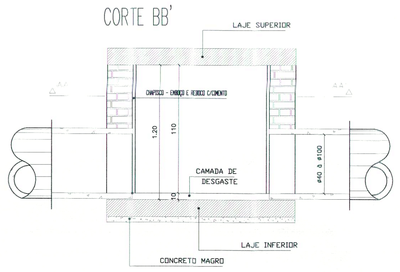
FOLHA Nº

CAIXA DE PASSAGEM EM ALVENARIA

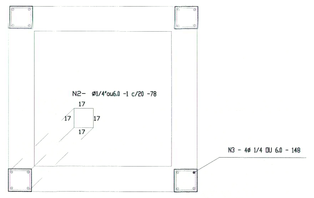
CORTE AA'



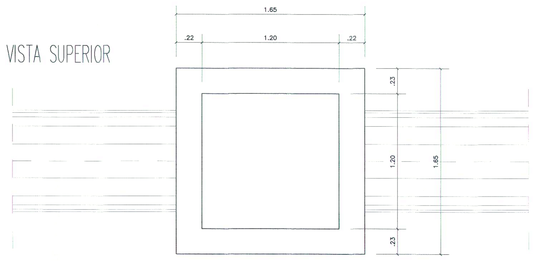
CORTE BB'



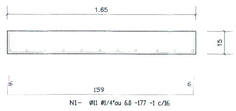
PILARES



VISTA SUPERIOR



ARMADURA DA LAJE SUPERIOR



ARMADURA DA LAJE INFERIOR

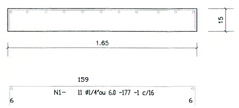


TABELA DE ARMADURAS				
Nº	Φ	Q	COMPRIMENTO UNITÁRIO	COMPRIMENTO TOTAL
1	1/4 ou 6.0	44	1.77	77.88
2	1/4 ou 6.0	24	0.78	18.72
3	1/4 ou 6.0	16	1.48	23.68
TOTAL				120.28

RESUMO

Φ	COMPRIMENTO TOTAL	PESO P/METRO	TOTAL	
1/4"	120.68	0.250	30.17	AÇO CA 50 B ou AÇO CA 60 B
6.0	120.68	0.222	26.55	

D.E.P

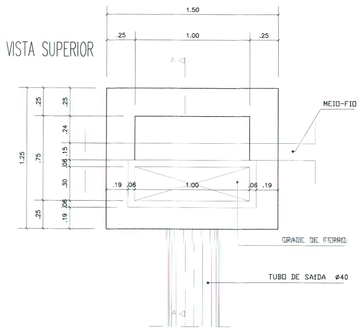
PROJETO
CAIXA DE PASSAGEM EM ALVENARIA
E CONCRETO P/ Φ<=100m

ESPECIFICAÇÕES
DISPOSITIVO DE DRENAGEM URBANA

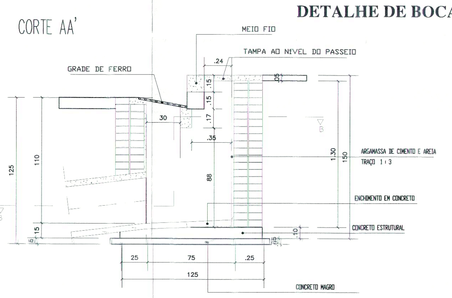
FOLHA Nº

DETALHE DE BOCA DE LOBO COM GRADE

VISTA SUPERIOR



CORTE AA'



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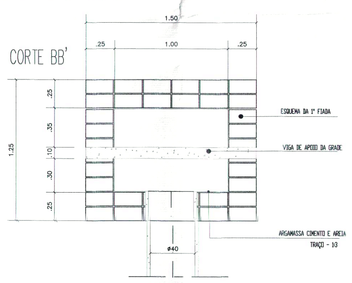
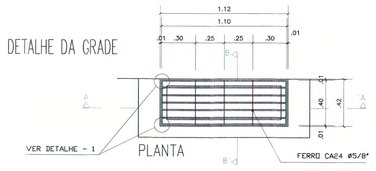


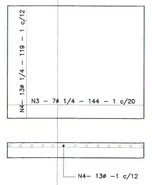
TABELA DE ARMADURAS				
Nº	Φ	Q	COMPRIMENTO UNIT.	COMPRIMENTO TOTAL
1	5/16	15	46	6.90
2	5/16	5	144	7.20
3	1/4	7	144	10.08
4	1/4	13	119	15.47
5	3/8	2	168	3.36
6	1/4	2	144	2.88
7	3/16	8	39	3.12

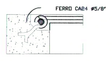
RESUMO DE AÇO CA 50B		
Φ	COMPRIMENTO TOTAL	PESOS (Kg)
5/16	14.10	5.40
1/4	28.43	7.10
3/8	3.36	1.88
5/16	3.12	0.44
PESO TOTAL (Kg)		14.82

DETALHE DA GRADE



ARMADURA DA BASE

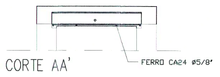




VISTA LATERAL

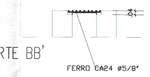
DETALHE-1

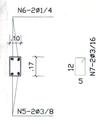
PLANTA



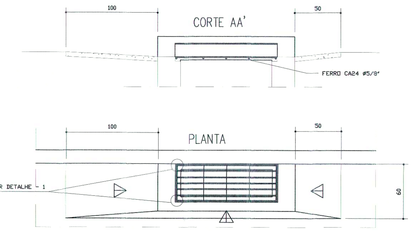
CORTE AA'

CORTE BB'

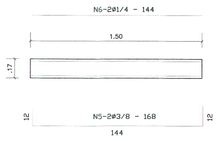




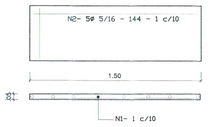
DETALHE DE BOCA DE LOBO COM GRADE



ARMADURA DA VIGA DE APOIO



ARMADURA DA TAMPA



NOTAS :

1 - SOLO PREVIAMENTE APILOADO PARA ASSENTAMENTO DO CONCRETO MAGRO - 1:3:6
2 - ALVENARIA DE TIJOLOS MACIÇOS, ASSENTADOS COM ARGAMASSA DE CIMENTO E AREIA
3 - REVESTIMENTO INTERNO COM ARGASSA DE CIMENTO E AREIA - TRAÇO 1 : 3
4 - CONCRETO ADOTADO FCK= 150 kg/cm2
5 - RECOBRIMENTO DE TODAS AS ARMADURAS EM CONTATO COM O SOLO = 3 cm

ELEMENTOS	QUANTIDADE	UNIDADE
ALVENARIA DE TIJOLOS	1.30	M3
CONCRETO ESTRUTURAL	0.366	M3
ENCHIMENTO CONCRETO	0.038	M3
CONCRETO MAGRO	0.094	M3
FORMAS	2.20	M2
REVESTIMENTO COM ARGAMASSA	4.40	M2

PREFEITURA DO MUNICÍPIO DE APUCARANA

ESTRADA VELHA PIRAPÓ/APUCARANA – DISTRITO DE PIRAPÓ
MUNICÍPIO E COMARCA DE APUCARANA/PR.

MUNICÍPIO DE APUCARANA

REPRESENTAÇÃO: DETALHES DRENAGEM PLUVIAL

ST. FOLHA / QUANTIDADE: 2 2

LOCALIZ.	DESENH.	DAT.	VISTO	ARQUIVO
1:2000	PAULO ABALOS	OUTUBRO/2020		Arquivo: 2020/Pavimentação Projeto: Vanha2020

" A APROVAÇÃO DO PRESENTE PROJETO PELA PREFEITURA NÃO RECONHECE A PROPRIEDADE DO IMÓVEL"

REQUERENTE
MUNICÍPIO DE APUCARANA
CNPJ/MF 76.175.153/0001-68

ÁREAS

ENGº CIVIL – HERIVELTO MORENO
CREA - PR 16.355/D

Prefeitura do Município de Apucarana
SEOB – Secretaria de Obras
DEPARTAMENTO DE ENGENHARIA
APROVADO
Em, 06 / 10 / 20
ENGº DIRETOR

Engº Civil Heriveltó Moreno
CREA-PR 16.355/D

SEOB
SECRETARIA DE OBRAS