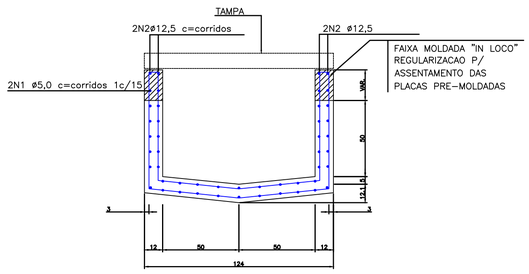
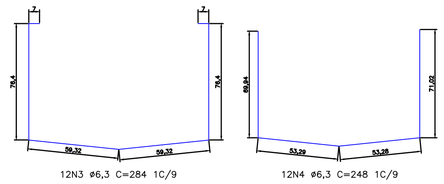
COLETOR 31C
TRECHO 1–2

EXTENSÃO – 90M
ESCALA – 1:20



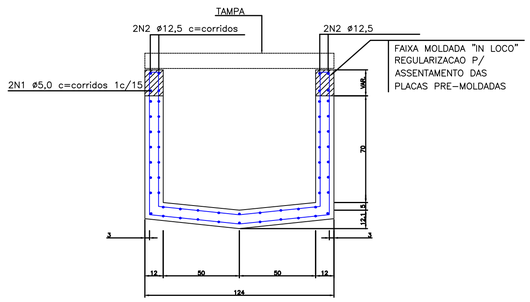


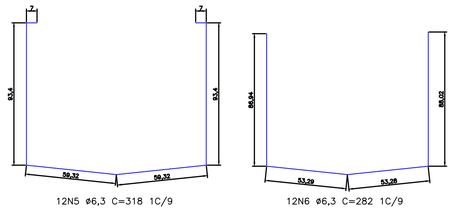
12N3 ø6,3 C=284 1C/9

12N4 ø6,3 C=248 1C/9

COLETOR 31C
TRECHO 1–6

EXTENSÃO – 203,45M
ESCALA – 1:20



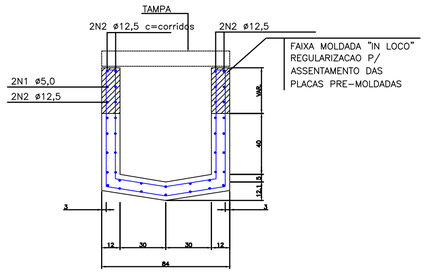


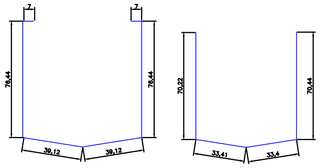
12N5 ø6,3 C=318 1C/9

12N6 ø6,3 C=282 1C/9

COLETOR 31C
TRECHO 3–5

EXTENSÃO – 110M
ESCALA – 1:20



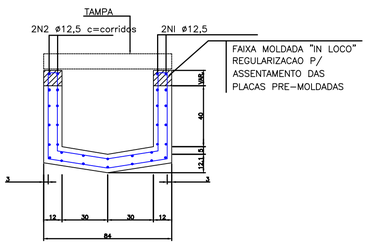


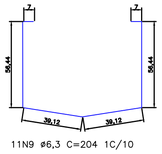
11N7 ø6,3 C=244 1C/10

11N8 ø6,3 C=206 1C/10

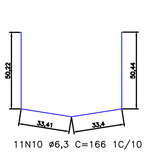
COLETOR 31C
TRECHO 4–5

EXTENSÃO – 108M
ESCALA – 1:20





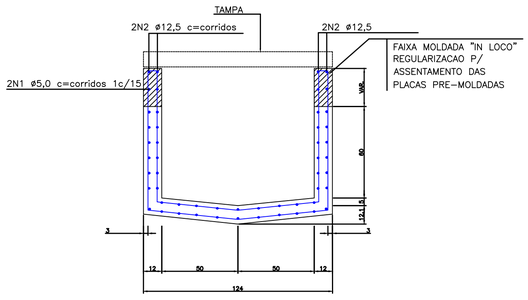
11N9 ø6,3 C=204 1C/10

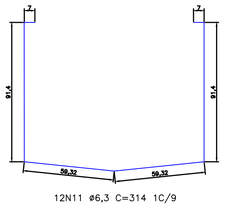


11N10 ø6,3 C=166 1C/10

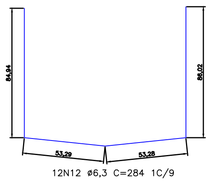
COLETOR 31C
TRECHO 5–6

EXTENSÃO – 88M
ESCALA – 1:20





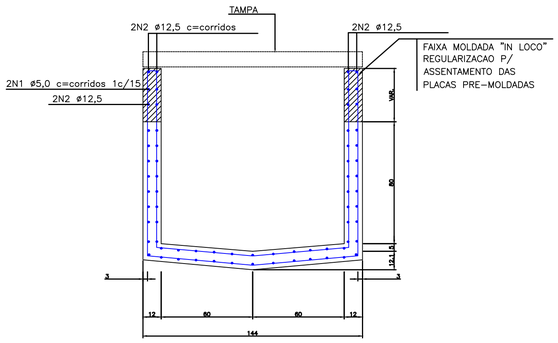
12N11 ø6,3 C=314 1C/9

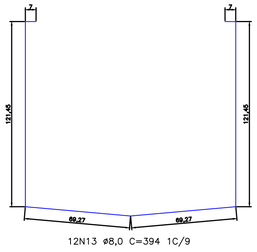


12N12 ø6,3 C=284 1C/9

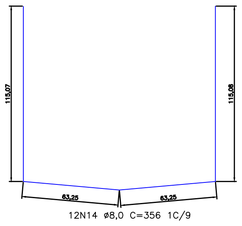
COLETOR 31C
TRECHO 6–9

EXTENSÃO – 208,60M
ESCALA – 1:20





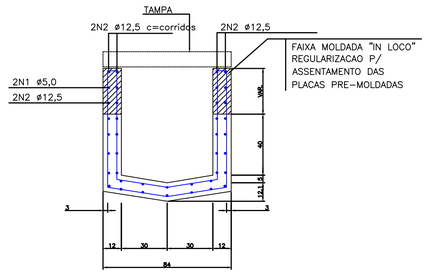
12N13 ø8,0 C=394 1C/9

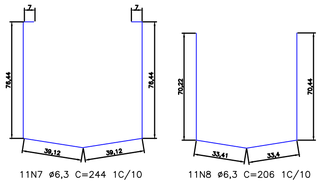


12N14 ø8,0 C=356 1C/9

COLETOR 31C
TRECHO 7–9

EXTENSÃO – 80M
ESCALA – 1:20



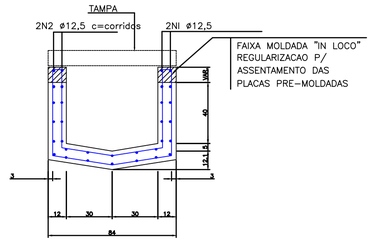


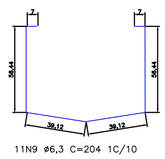
11N7 ø6,3 C=244 1C/10

11N8 ø6,3 C=206 1C/10

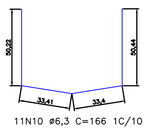
COLETOR 31C
TRECHO 8–9

EXTENSÃO – 85,60M
ESCALA – 1:20





11N9 ø6,3 C=204 1C/10



11N10 ø6,3 C=166 1C/10

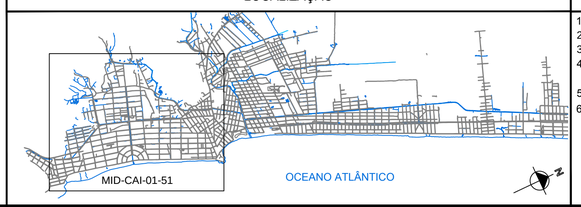
RELAÇÃO DO AÇO			
nº	Ø mm	quant.	comp.
1	5,00	330	CORRIDO
2	12,50	44	CORRIDO
3	6,30	1080	284
4	6,30	1080	248
5	6,30	2244	318
6	6,30	2244	282
7	6,30	2090	244
8	6,30	2090	208
9	8,00	2328	204
10	8,00	2328	166
11	8,00	968	314
12	8,00	968	284
13	8,00	792	394
14	8,00	792	356

RESUMO DO AÇO			
aço	Ø mm	comp. (m)	peso (kg)
CA - 60	5,00	35204	5281
CA - 50A	6,30	28655	7164
	8,00	20342	8137
	10,00	0	0
	12,50	4400	4400
PESO +10%			27480
RESUMO DE MATERIAL			
ITEM			
VOL CONCRETO		261 m3	
AREA DE FORMAS		2680 m2	

NOTAS:

1) ESTE PROJETO DEVERA SER EXECUTADO DE ACORDO COM A NBR 6118 (NB 1)
2) EM CASO DE DUVIDAS CONSULTAR O PROJETISTA
3) DISPOSITIVOS DE ALCAMENTO E MANUSEIO P/AS TAMPAS – SERAO DEFINIDOS PELO CONSTRUTOR FACE AO PROCESSO CONSTRUTIVO ESCOLHIDO, DEVERA SER CONSIDERA A POSICAO DAS ARMADURAS PRINCIPAIS.
4) CONCRETO ADOTADO 25MPa NAS CALERIAS E 30MPa NAS TRAVESSIAS
5) AJUSTAR OS NIVEIS DA CALHA CONFORME AS CONDICOES LOCAIS DE CADA CASO.
6) AS QUANTIDADES DE PECAS PRE–MOLDADAS DEVERAO SER QUANTIFICADAS NA OBRA.
7) AS PECAS PRE–MOLDADAS (CALHAS) DEVERAO ESTAR PERFEITAMENTE ASSENTADAS SOBRE O SOLO.
8) A ALTURA DA FAIXA MOLDADA "IN LOCO" É VARIÁVEL AO LONGO DE CADA TRECHO E FOI ESTIMADA NO PROJETO COM BASE NA TOPOGRAFIA LEVANTADA. NO ENTANTO, DEVERÃO PREVALECER AS ALTURAS OBSERVADAS NO MOMENTO DA EXECUÇÃO PARA O CORRETO ASSENTAMENTO DAS PLACAS PRÉ–MOLDADAS.
9) EXECUTAR COBRIMENTO DAS ARMADURAS DE ACORDO COM AS RECOMENDAÇÕES DA NBR 6118

LOCALIZAÇÃO



NOTAS

1 - DIMENSÕES E NÍVEIS EM METROS;
2 - DATUM HORIZONTAL: SAD-69
3 - DATUM VERTICAL: IMBITUBA - SC (IBGE)
4 - ORIGEM DA QUILOMETRAGEM UTM: EQUADOR E MERIDIANO 51° W Gr ACRESCIDAS AS CONSTANTES: 10.000 km E 500 km RESPECTIVAMENTE
5 - PROJEÇÃO UNIVERSAL TRANSVERSA DE MERCATOR
6 - LEVANTAMENTO TOPOGRÁFICO REALIZADO EM OUTUBRO DE 2012

INSTITUTO ÁGUA E TERRA

DADOS TÉCNICOS:
MICRODRENAGEM
RECUPERAÇÃO DA ORLA DE MATINHOS
MUNICÍPIO: MATINHOS – PR

REFERÊNCIA:
PROJETO ESTRUTURAL – DETALHAMENTO DE ARMADURAS COLETOR 31C

ARQUIVO DWG:	ESCALA:	DIM.:		FOLHA:
	1:1000			MID-CAI-41/51
DESENHO:	REVISÃO:	DATA:	ROBERTO MACHADO CORRÊA CREA SC-050971/D-01	
		JUL/2020		