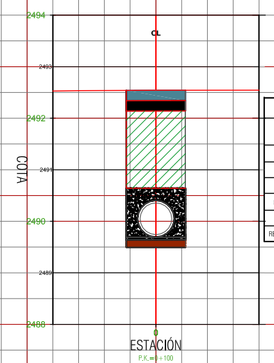
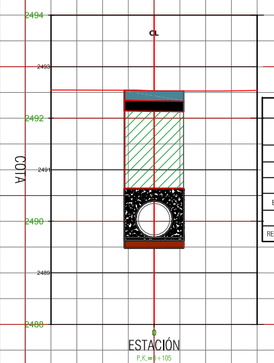


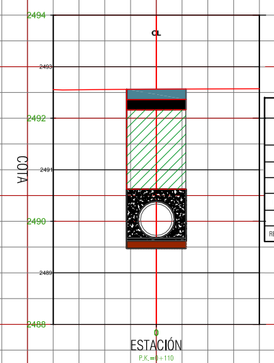
Materiale(s) en P.K. 0 + 100,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	75.284
SUBBASE GRANULAR	0.230	1.150	23.001
BASE GRANULAR	0.230	1.151	23.015
EXCAVACION MEC. EN MAT COMÚN	3.507	17.521	356.808
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	17.250
RELLENO MAT. SEL. EXC COMPACTADO	1.725	8.609	178.554



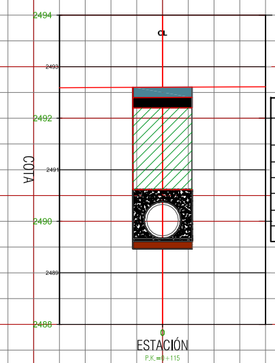
Materiale(s) en P.K. 0 + 105,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	79.049
SUBBASE GRANULAR	0.230	1.150	24.151
BASE GRANULAR	0.207	1.144	24.159
EXCAVACION MEC. EN MAT COMÚN	3.506	17.538	374.344
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	18.112
RELLENO MAT. SEL. EXC COMPACTADO	1.728	8.632	187.184



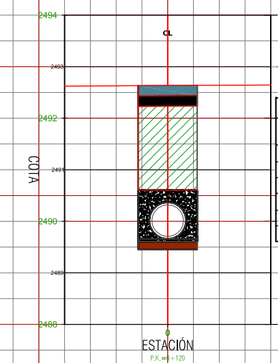
Materiale(s) en P.K. 0 + 110,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	82.813
SUBBASE GRANULAR	0.230	1.150	25.301
BASE GRANULAR	0.230	1.143	25.302
EXCAVACION MEC. EN MAT COMÚN	3.053	17.653	391.997
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	18.975
RELLENO MAT. SEL. EXC COMPACTADO	1.771	8.747	190.931



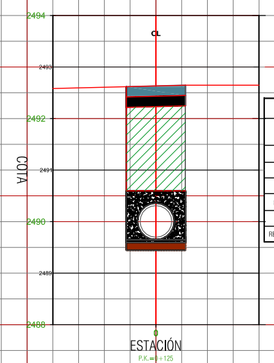
Materiale(s) en P.K. 0 + 115,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	86.577
SUBBASE GRANULAR	0.230	1.150	26.451
BASE GRANULAR	0.230	1.150	26.452
EXCAVACION MEC. EN MAT COMÚN	3.608	17.993	409.990
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	19.837
RELLENO MAT. SEL. EXC COMPACTADO	1.826	9.091	204.921



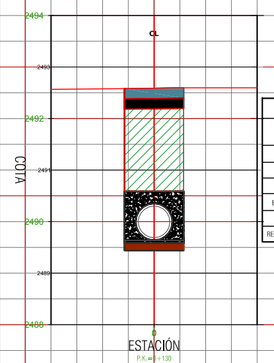
Materiale(s) en P.K. 0 + 120,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	90.341
SUBBASE GRANULAR	0.230	1.150	27.601
BASE GRANULAR	0.230	1.151	27.603
EXCAVACION MEC. EN MAT COMÚN	3.657	18.162	428.061
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	20.700
RELLENO MAT. SEL. EXC COMPACTADO	1.874	9.249	214.171



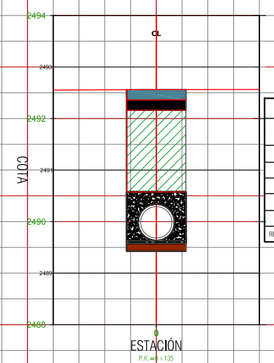
Materiale(s) en P.K. 0 + 125,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	94.106
SUBBASE GRANULAR	0.230	1.150	28.751
BASE GRANULAR	0.230	1.151	28.753
EXCAVACION MEC. EN MAT COMÚN	3.665	18.305	446.366
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	21.562
RELLENO MAT. SEL. EXC COMPACTADO	1.861	9.302	223.562



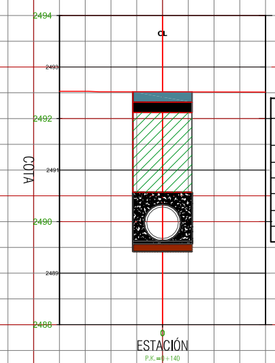
Materiale(s) en P.K. 0 + 130,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	97.870
SUBBASE GRANULAR	0.230	1.150	29.901
BASE GRANULAR	0.230	1.150	29.904
EXCAVACION MEC. EN MAT COMÚN	3.625	18.226	464.592
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	22.425
RELLENO MAT. SEL. EXC COMPACTADO	1.843	9.214	232.876



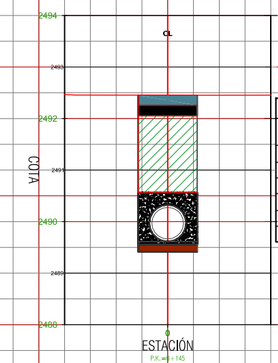
Materiale(s) en P.K. 0 + 135,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	101.634
SUBBASE GRANULAR	0.230	1.150	31.051
BASE GRANULAR	0.231	1.152	31.056
EXCAVACION MEC. EN MAT COMÚN	3.605	18.075	482.667
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	23.287
RELLENO MAT. SEL. EXC COMPACTADO	1.822	9.161	242.837



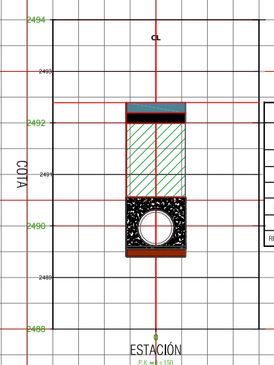
Materiale(s) en P.K. 0 + 140,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	105.398
SUBBASE GRANULAR	0.230	1.150	32.201
BASE GRANULAR	0.230	1.152	32.207
EXCAVACION MEC. EN MAT COMÚN	3.562	17.918	500.585
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	24.150
RELLENO MAT. SEL. EXC COMPACTADO	1.798	9.004	251.640



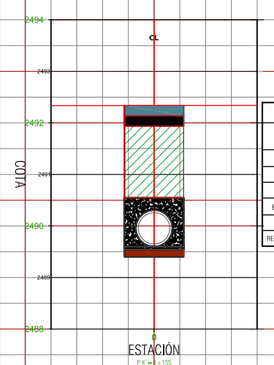
Materiale(s) en P.K. 0 + 145,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	109.162
SUBBASE GRANULAR	0.230	1.150	33.351
BASE GRANULAR	0.230	1.150	33.357
EXCAVACION MEC. EN MAT COMÚN	3.498	17.651	519.236
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	25.012
RELLENO MAT. SEL. EXC COMPACTADO	1.716	8.708	259.781



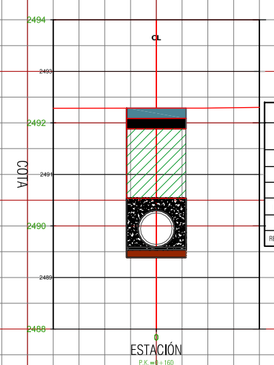
Materiale(s) en P.K. 0 + 150,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	112.537
SUBBASE GRANULAR	0.230	1.150	34.501
BASE GRANULAR	0.230	1.150	34.507
EXCAVACION MEC. EN MAT COMÚN	3.407	17.339	535.575
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	25.875
RELLENO MAT. SEL. EXC COMPACTADO	1.603	8.427	268.209



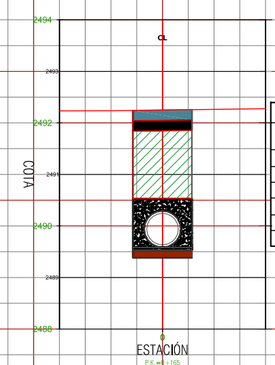
Materiale(s) en P.K. 0 + 155,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	116.691
SUBBASE GRANULAR	0.230	1.150	35.651
BASE GRANULAR	0.230	1.150	35.657
EXCAVACION MEC. EN MAT COMÚN	3.383	17.048	552.623
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	26.737
RELLENO MAT. SEL. EXC COMPACTADO	1.599	8.136	276.343



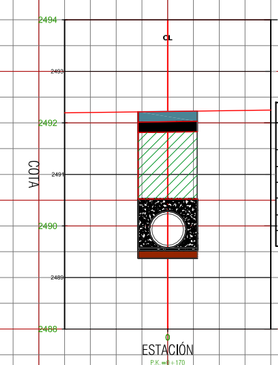
Materiale(s) en P.K. 0 + 160,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	120.455
SUBBASE GRANULAR	0.230	1.150	36.801
BASE GRANULAR	0.230	1.150	36.807
EXCAVACION MEC. EN MAT COMÚN	3.337	16.765	569.407
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	27.600
RELLENO MAT. SEL. EXC COMPACTADO	1.550	7.873	284.216



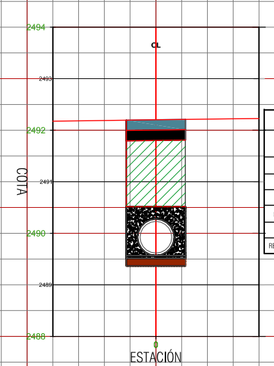
Materiale(s) en P.K. 0 + 165,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	124.219
SUBBASE GRANULAR	0.230	1.150	37.951
BASE GRANULAR	0.230	1.150	37.957
EXCAVACION MEC. EN MAT COMÚN	3.297	16.574	585.982
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	28.462
RELLENO MAT. SEL. EXC COMPACTADO	1.515	7.682	291.878



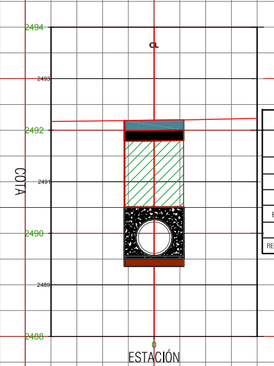
Materiale(s) en P.K. 0 + 170,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	127.983
SUBBASE GRANULAR	0.230	1.150	39.101
BASE GRANULAR	0.230	1.150	39.107
EXCAVACION MEC. EN MAT COMÚN	3.276	16.433	602.415
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	29.325
RELLENO MAT. SEL. EXC COMPACTADO	1.494	7.521	299.400



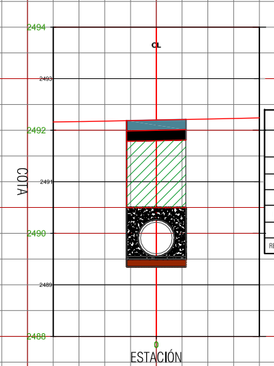
Materiale(s) en P.K. 0 + 175,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	131.746
SUBBASE GRANULAR	0.230	1.150	40.251
BASE GRANULAR	0.230	1.150	40.258
EXCAVACION MEC. EN MAT COMÚN	3.252	16.346	618.760
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	30.187
RELLENO MAT. SEL. EXC COMPACTADO	1.480	7.433	306.833



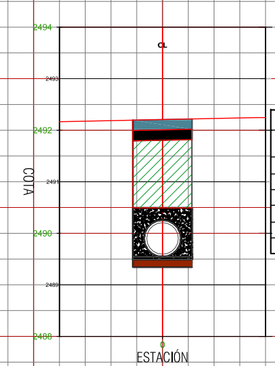
Materiale(s) en P.K. 0 + 180,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	135.512
SUBBASE GRANULAR	0.230	1.150	41.401
BASE GRANULAR	0.230	1.150	41.408
EXCAVACION MEC. EN MAT COMÚN	3.212	16.310	635.070
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	31.050
RELLENO MAT. SEL. EXC COMPACTADO	1.479	7.398	314.231



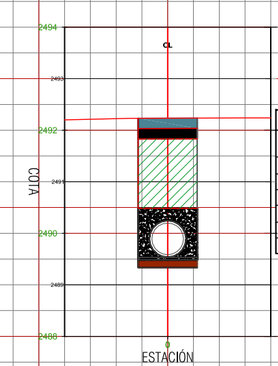
Materiale(s) en P.K. 0 + 185,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	139.276
SUBBASE GRANULAR	0.230	1.150	42.551
BASE GRANULAR	0.230	1.150	42.558
EXCAVACION MEC. EN MAT COMÚN	3.275	16.347	651.417
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	31.912
RELLENO MAT. SEL. EXC COMPACTADO	1.492	7.479	321.660



Materiale(s) en P.K. 0 + 190,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	143.040
SUBBASE GRANULAR	0.230	1.150	43.701
BASE GRANULAR	0.230	1.150	43.708
EXCAVACION MEC. EN MAT COMÚN	3.294	16.422	667.833
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	32.775
RELLENO MAT. SEL. EXC COMPACTADO	1.512	7.510	329.170



Materiale(s) en P.K. 0 + 195,00

Material	Área	Volumen	Volumen acum.
ATRAQUE ARENA DE PEÑA	0.753	3.764	146.805
SUBBASE GRANULAR	0.230	1.150	44.851
BASE GRANULAR	0.230	1.150	44.858
EXCAVACION MEC. EN MAT COMÚN	3.334	16.579	684.404
RECEBO TM P'IP < 9% 95% PM	0.172	0.862	33.637
RELLENO MAT. SEL. EXC COMPACTADO	1.552	7.658	336.828

RED VITAL PAIPA S.A E.S.P

MUNICIPIO DE PAIPA

UNIÓN TEMPORAL PMALC
SEPARADO PAIPA

DISEÑÓ:
ING. ANDRES LEONARDO BECERRA L.
M.P. 12536230678 BYC

V.B RED VITAL S.A E.S.P:

ING. LUDY JANITH CORCHUELO LARA
M.P. 01114-10706 ITYV

MODIFICACIONES

FECHA	MODIFICACION	NOMBRE ING. RESPONSABLE	FIRMA

REFORMULACIÓN DEL SISTEMA DE ALCANTARILLADO SEPARADO DEL PLAN MAESTRO DE ALCANTARILLADO DEL MUNICIPIO DE PAIPA

MUNICIPIO DE PAIPA

Contiene :
SECCIONES CONSTRUCTIVAS COLECTOR ENTRE POZO PZ411 Y POZO PZ 215
ELIMINACIÓN COLECTORES CRUCE BALCONES DEL BOSQUE

Escala : 1:100

NOMBRE DEL ARCHIVO: Secciones balcones del bosque2.dwg

PROYECTO: PAIPA-PMALC -001

FECHA: FEBRERO DE 2017

PLANO No. SEC 02/03