Pièce n°:2/6

Centre Développement et Ingénierie Lyon
Groupe Maintenance Réseau Forez-Velay

Liaison aérienne à 225 kV

RUEYRES - SAVIGNAC

PROFIL EN LONG

Du support n°20 au support n°43N

DEPARTEMENT DE L'AVEYRON

PARAMETRES CONDUCTEURS ET CABLES DE GARDE
VOIR TABLEAU EN DEBUT DE PLAN

ECHELLES : Hauteurs : 1/500
Longueurs : 1/2500

Indice : N	Format: 0.30x4.17 Surface : 1.25m²
Date: 23/03/2023	Vérifié le: 23/03/2023 Par: A. Brougui

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PLAN N° R-RF-RUEYRL61SAVIG-LAPL-20-43N-N

INDICE	DATE	MODIFICATION	DEMANDEE	EXECUTEE	VERIFIEE
A	03/1996	Mise à jour Paramètres		CGEE ALSTHOM	
B	12/2012	Mise à jour Renforcement de fondations du support n°411		ETDE-Fondations	
C	02/06/2014	Relevé topographique de la ligne et création du profil en long sous Autocad	DI LYON	GEOTEAM	GEOTEAM
D	28/07/2015	Mise à jour suite aux remarques client (Mail envoyé le 01-07-2015)	CDI LYON	GEOTEAM	GEOTEAM
E	09/12/2016	Màj suite à remplacement des pylônes n°412,413,414,415,416,417 et renforcement du pylône n°408	CDI	LEBAG	LEBAG
F	09/12/2016	Màj après travaux de sécurisation de fondation des pylônes n°419,408	CDI	SEFI-INT	SEFI-INT
G	28/01/22	Création du plan à partir du relevé laser et des plans existants	CDI	Y. Appenzeller	A. Brougui
H	07/04/22	Mise à jour du report étude	CDI	Y. Appenzeller	A. Brougui
I	10/11/2022	Ajout des balises avifaune	CDI	Y. Appenzeller	A. Brougui
J	19/12/2023	Suppresion des balises avifaune	CDI	Y. Appenzeller	A. Brougui
K	30/01/2023	Mise à jour du cartouche des paramètres conducteurs et C.d.G.	CDI	S. Naceur	A. Brougui
L	06/03/2023	Modification du tronçon	CDI	Y. Appenzeller	A. Brougui
M	08/03/2023	Ajout paramètres de répartition à 85 °C et distance aux obstacles	CDI	E.HEMMER	A. Brougui
N	23/03/2023	Ajout distance sécurité 5m	CDI	E.HEMMER	A. Brougui

CONDUCTEURS

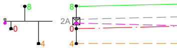
Canton	Portée n°	Température	Nature	Paramètre		
				Phase 8	Phase 0	Phase 4
14(ex.427) - 22(ex.418)	20(ex.420) - 21(ex.419)	+15°C	3x1 Aster 570mm²	1469	1456	1461
	21(ex.419) - 22(ex.418)	+15°C		1452	1445	1472
22(ex.418) - 30(ex.409)	22(ex.418) - 23(ex.417)	+15°C		1343	1340	1346
	23(ex.417) - 24(ex.416)	+15°C		1347	1356	1346
	24(ex.416) - 25(ex.415)	+15°C		1361	1371	1357
	25(ex.415) - 26(ex.414)	+15°C		1388	1399	1350
	26(ex.414) - 27(ex.413)	+15°C		1365	1391	1363
	27(ex.413) - 28(ex.412)	+15°C		1395	1409	1371
	28(ex.412) - 29(ex.411)	+15°C		1381	1380	1365
	29(ex.411) - 30(ex.409)	+15°C		1392	1407	1387
30(ex.409) - 43N	30(ex.409) - 31N	+15°C	3x1 Aster 570mm² ~~3x1 Alu-Acier 280mm²~~	1600	1600	1600
	31N - 32N	+15°C		1600	1600	1600
	32N - 33N	+15°C		1600	1600	1600
	33N - 34N	+15°C		1600	1600	1600
	34N - 35N	+15°C		1600	1600	1600
	35N - 36N	+15°C		1600	1600	1600
	36N - 37N	+15°C		1600	1600	1600
	37N - 38N	+15°C		1600	1600	1600
	38N - 39N	+15°C		1600	1600	1600
	39N - 40N	+15°C		1600	1600	1600
	40N - 41N	+15°C		1600	1600	1600
	41N - 42N	+15°C		1600	1600	1600
	42N - 43N	+15°C				

CABLES DE GARDE

Canton	Portée n°	Température	Nature	Paramètre	
				CDG G.**	CDG D.*
20(ex.420) - 22(ex.418)	20(ex.420) - 21(ex.419)	+15°C	1x1 Thym 157mm²* 1x1 Phlox 147.1mm²**	2600	2600
	21(ex.419) - 22(ex.418)	+15°C		2600	2600
22(ex.418) - 23(ex.417)	22(ex.418) - 23(ex.417)	+15°C	1x1 Thym 157mm² 1x1 Phlox 147.1mm²**	2700	2700
23(ex.417) - 27(ex.413)	23(ex.417) - 24(ex.416)	+15°C	1x1 Thym 157mm²* ~~1x1 Phlox 147.1mm²~~	Néant	1900
	24(ex.416) - 25(ex.415)	+15°C		Néant	1900
	25(ex.415) - 26(ex.414)	+15°C		Néant	1900
	26(ex.414) - 27(ex.413)	+15°C		Néant	1900
27(ex.413) - 28(ex.412)	27(ex.413) - 28(ex.412)	+15°C		Néant	1900
28(ex.412) - 29(ex.411)	28(ex.412) - 29(ex.411)	+15°C	1x1 Thym 157mm²* 1x1 Phlox 147.1mm²**	2500	2500
29(ex.411) - 30(ex.409)	29(ex.411) - 30(ex.409)	+15°C		1900	1900
30(ex.409) - 31N	30(ex.409) - 31N	+15°C	1x1 Thym 157mm²* 1x1 Phlox 147.1mm²** ~~1x1 Phlox 147.1mm²~~	1900	1900
31N - 32N	31N - 32N	+15°C		1900	1900
32N - 33N	32N - 33N	+15°C		1900	1900
33N - 34N	33N - 34N	+15°C		2000	2000
34N - 43N	34N - 35N	+15°C		2100	2100
	35N - 36N	+15°C		2100	2100
	36N - 37N	+15°C		2100	2100
	37N - 38N	+15°C		2100	2100
	38N - 39N	+15°C		2100	2100
	39N - 40N	+15°C		2100	2100
	40N - 41N	+15°C		2100	2100
	41N - 42N	+15°C		2100	2100
	42N - 43N	+15°C		2100	2100

Alignement — Alignement de: 4

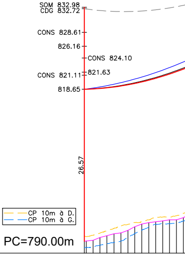
Repérage de phases



Commune

Numéro des Supports	~~420~~ 20
Type des Supports	G4AT1W + OO'=0.50
Type des Chaînes	6U1I1N10 + Cpds 480kg
Type des Massifs	GEC 050
Type des CDG	1xACDG / 2xACDG
Coordonnées Supports (RGF93)	X =681396.50 Y =6412568.62

Adaptation chevalet


SOM 832.98
CDG 832.72
CONS 828.61
826.16
CONS 824.10
CONS 821.11
821.63
818.65
26.57
CP 10m à D.
CP 10m à G.

Echelle Y = 1/ 500
Echelle X = 1/2500
Plan de comparaison PC=790.00m

Altitudes du terrain: 792.08 792.25 792.74 793.06 793.40 793.55 793.99 794.63 795.08 795.35 795.50 795.63 795.82 795.84 796.2

Distances partielles: 7.67 6.04 6.03 6.15 6.07 6.11 6.01 6.05 6.20 6.05 6.05 6.00 6.00 6.06

Numéros des pylônes: 20
Distances entre pylônes

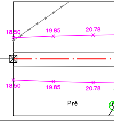
Distances cumulées des pylônes: 7039.58
Classes de précision: A

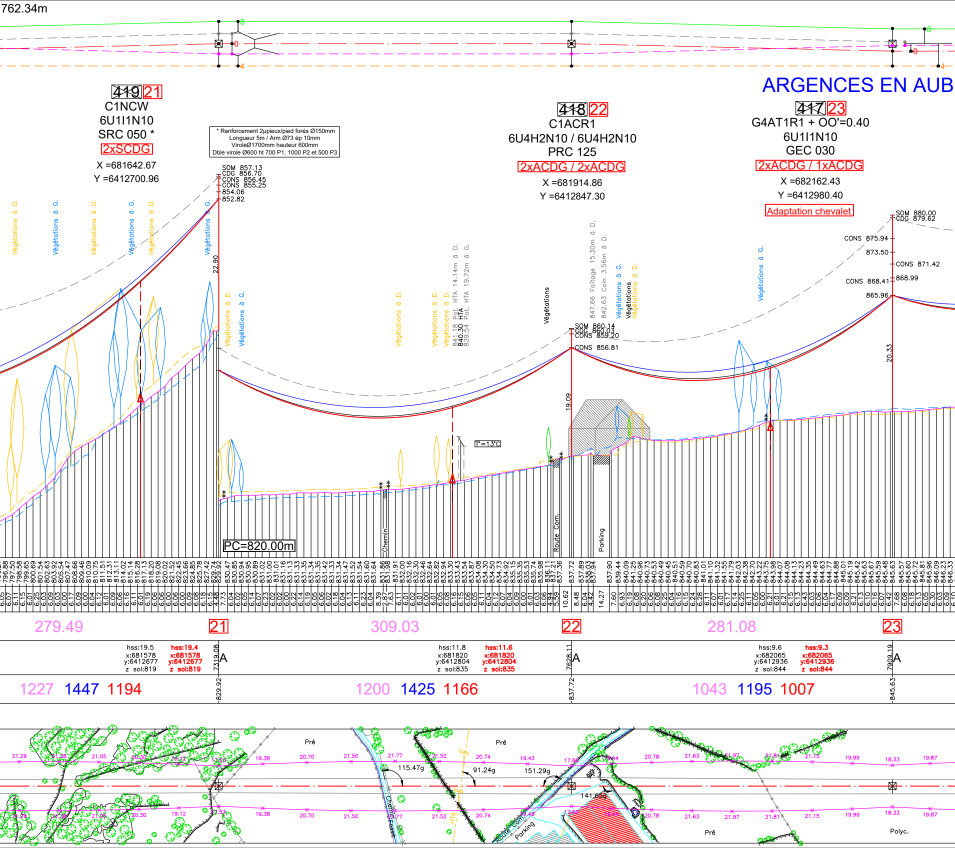
Altitudes des pylônes: 792.08
Paramètres à 75°C / Givre* / à 85°C

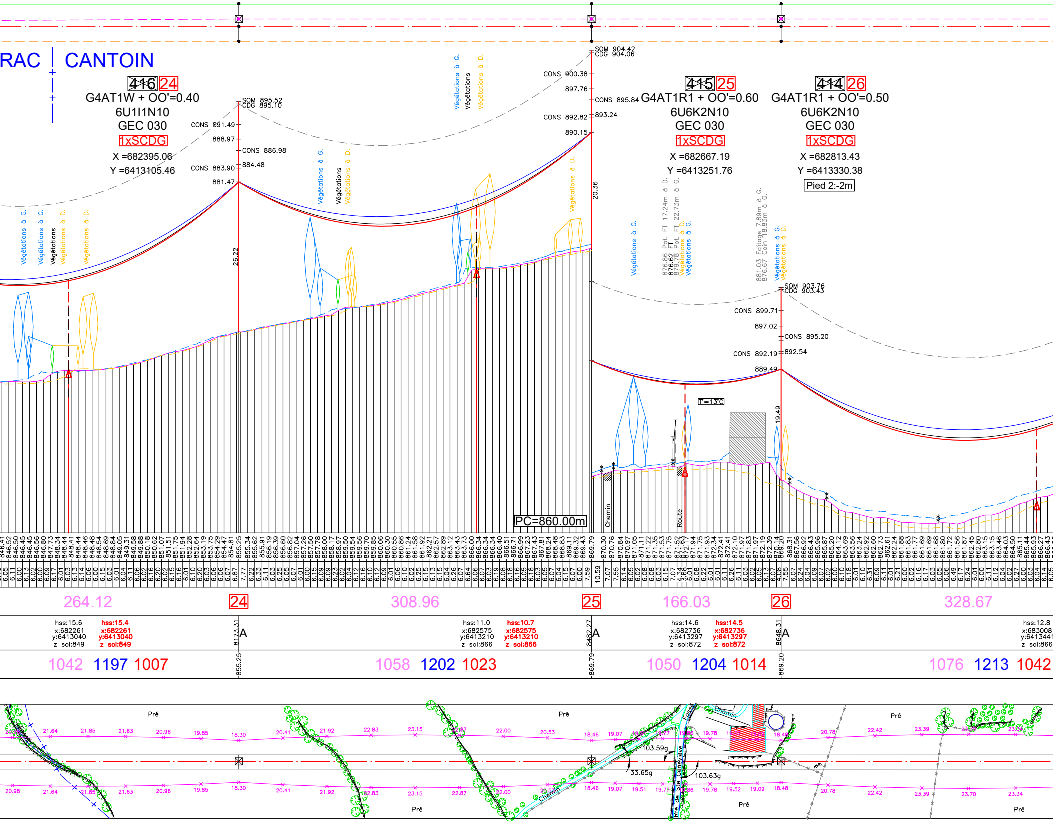
* Givre 3.00cm du support n°20 au support n°29 , 3.50cm du support n°29 au support n°42N

Vers poste
de Rueyres

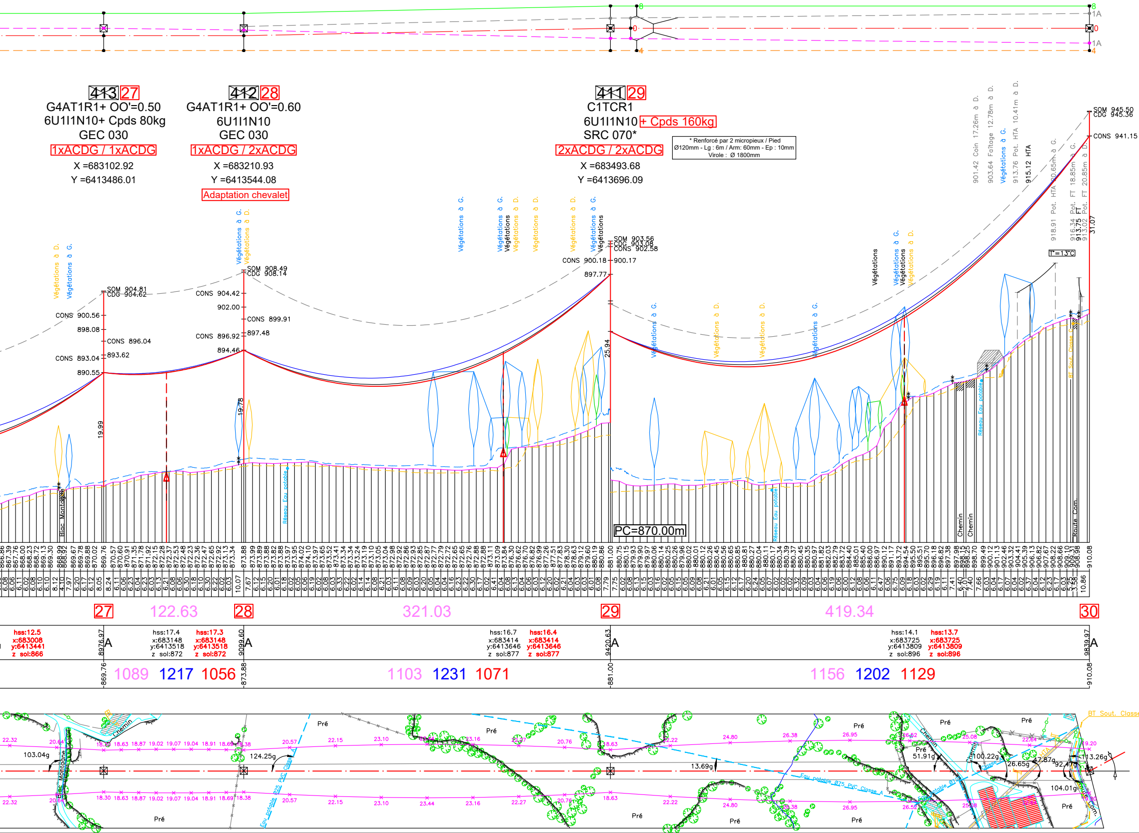
200gr00


18.50
19.85
20.78
18.50
19.85
20.78
Pré

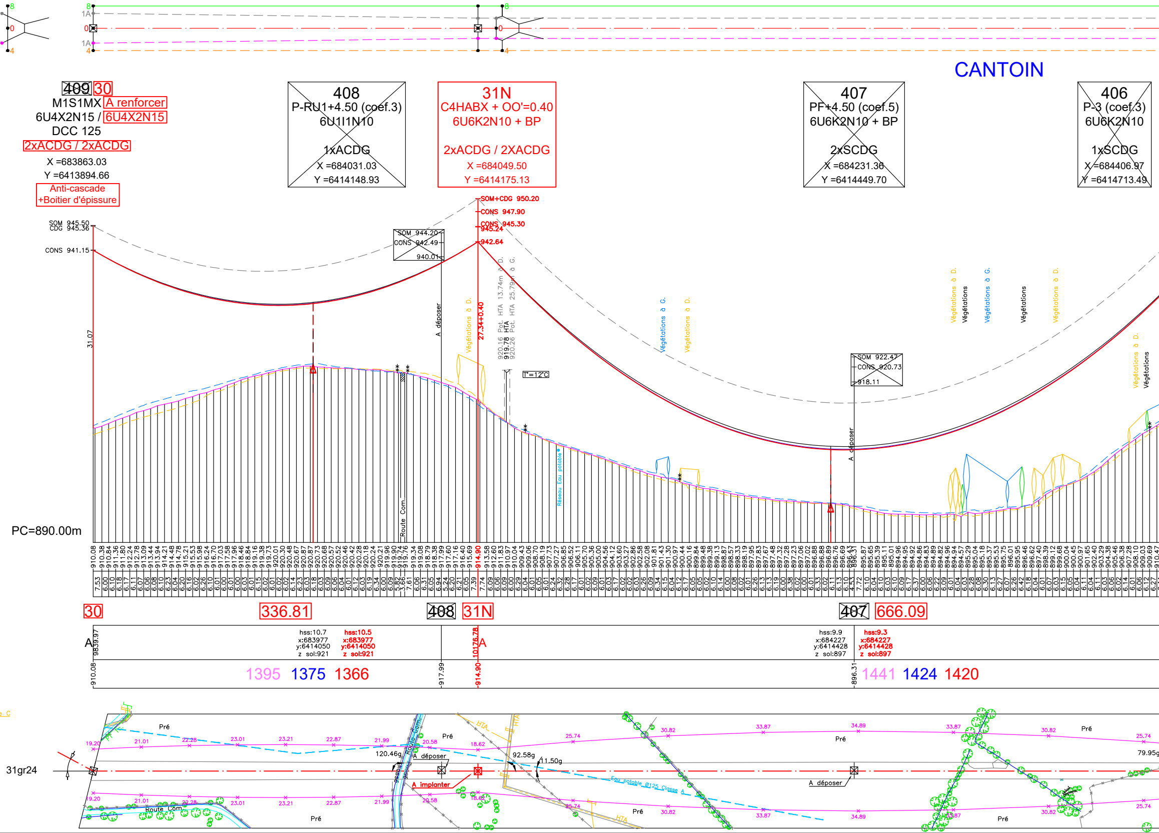

762.34m
ARGENCES EN AUB
~~419~~ 21
C1NCW
6U1I1N10
SRC 050 *
2xSCDG
X =681642.67
Y =6412700.96
* Renforcement 2µpieux/pied forés Ø150mm
Longueur 5m / Arm Ø73 ép 10mm
ViroleØ1700mm hauteur 600mm
Dble virole Ø600 ht 700 P1, 1000 P2 et 500 P3
SOM 857.13
CDG 856.70
CONS 856.45
CONS 855.25
854.06
852.82
22.90
~~418~~ 22
C1ACR1
6U4H2N10 / 6U4H2N10
PRC 125
2xACDG / 2xACDG
X =681914.86
Y =6412847.30
SOM 860.14
CDG 860.03
CONS 859.20
CONS 856.81
19.09
~~417~~ 23
G4AT1R1 + OO'=0.40
6U1I1N10
GEC 030
2xACDG / 1xACDG
X =682162.43
Y =6412980.40
Adaptation chevalet
SOM 880.00
CDG 879.62
CONS 875.94
873.50
CONS 871.42
CONS 868.41
868.99
865.96
20.33
Végétations à D.
Végétations à G.
841.18 Pot. HTA 14.14m à D.
840.30 HTA
839.54 Pot. HTA 19.72m à G.
847.66 Faîtage 15.30m à D.
842.63 Coin 3.56m à D.
Végétations
T°=13°C
PC=820.00m
Chemin
Route Com.
Parking
279.49
309.03
281.08
21
22
23
hss:19.5 x:681578 y:6412677 z sol:819
hss:19.4 x:681578 y:6412677 z sol:819
7319.08 A
829.92
hss:11.8 x:681820 y:6412804 z sol:835
hss:11.6 x:681820 y:6412804 z sol:835
7628.11 A
837.72
hss:9.6 x:682065 y:6412936 z sol:844
hss:9.3 x:682065 y:6412936 z sol:844
7909.19 A
845.63
1227 1447 1194
1200 1425 1166
1043 1195 1007
Pré
115.47g
91.24g
151.29g
141.65g
Chemin Fossé
HTA
Route Com.
Parking
Polyc.
21.29
21.05
20.30
19.12
19.38
20.70
21.50
21.77
21.52
20.74
19.43
20.78
21.63
21.97
21.81
21.15
19.99
18.33
19.87


RAC
CANTOIN
~~416~~ 24
G4AT1W + OO'=0.40
6U1I1N10
GEC 030
1xSCDG
X =682395.06
Y =6413105.46
~~415~~ 25
G4AT1R1 + OO'=0.60
6U6K2N10
GEC 030
1xSCDG
X =682667.19
Y =6413251.76
~~414~~ 26
G4AT1R1 + OO'=0.50
6U6K2N10
GEC 030
1xSCDG
X =682813.43
Y =6413330.38
Pied 2:-2m
SOM 895.52
CDG 895.10
CONS 891.49
888.97
CONS 886.98
CONS 883.90
884.48
881.47
SOM 904.42
CDG 904.06
CONS 900.38
897.76
CONS 895.84
CONS 892.82
893.24
890.15
SOM 903.76
CDG 903.43
CONS 899.71
897.02
CONS 895.20
CONS 892.19
892.54
889.49
26.22
20.36
19.49
Végétations à G.
Végétations
Végétations à D.
876.86 Pot. FT 17.24m à D.
876.62 FT
879.78 Pot. FT 22.73m à G.
881.03 Faitage 7.89m à G.
876.67 Coin 18.83m à G.
T°=13°C
PC=860.00m
Chemin
Route
264.12
308.96
166.03
328.67
24
25
26
hss:15.6
x:682261
y:6413040
z sol:849
hss:15.4
x:682261
y:6413040
z sol:849
hss:11.0
x:682575
y:6413210
z sol:866
hss:10.7
x:682575
y:6413210
z sol:866
hss:14.6
x:682736
y:6413297
z sol:872
hss:14.5
x:682736
y:6413297
z sol:872
hss:12.8
x:683008
y:641344
z sol:866
8173.31 A
8482.27 A
8648.31 A
855.25
869.79
869.20
1042 1197 1007
1058 1202 1023
1050 1204 1014
1076 1213 1042
Pré
Chemin
Rte de Ste Geneviève
Fossé
103.59g
33.65g
103.63g
21.64
21.85
21.63
20.96
19.85
18.30
20.41
21.92
22.83
23.15
22.87
22.00
20.53
18.46
19.07
19.51
19.77
19.86
19.78
19.52
19.09
18.48
20.78
22.42
23.39
23.70
23.34
20.98

Alignement de: 4762.34m

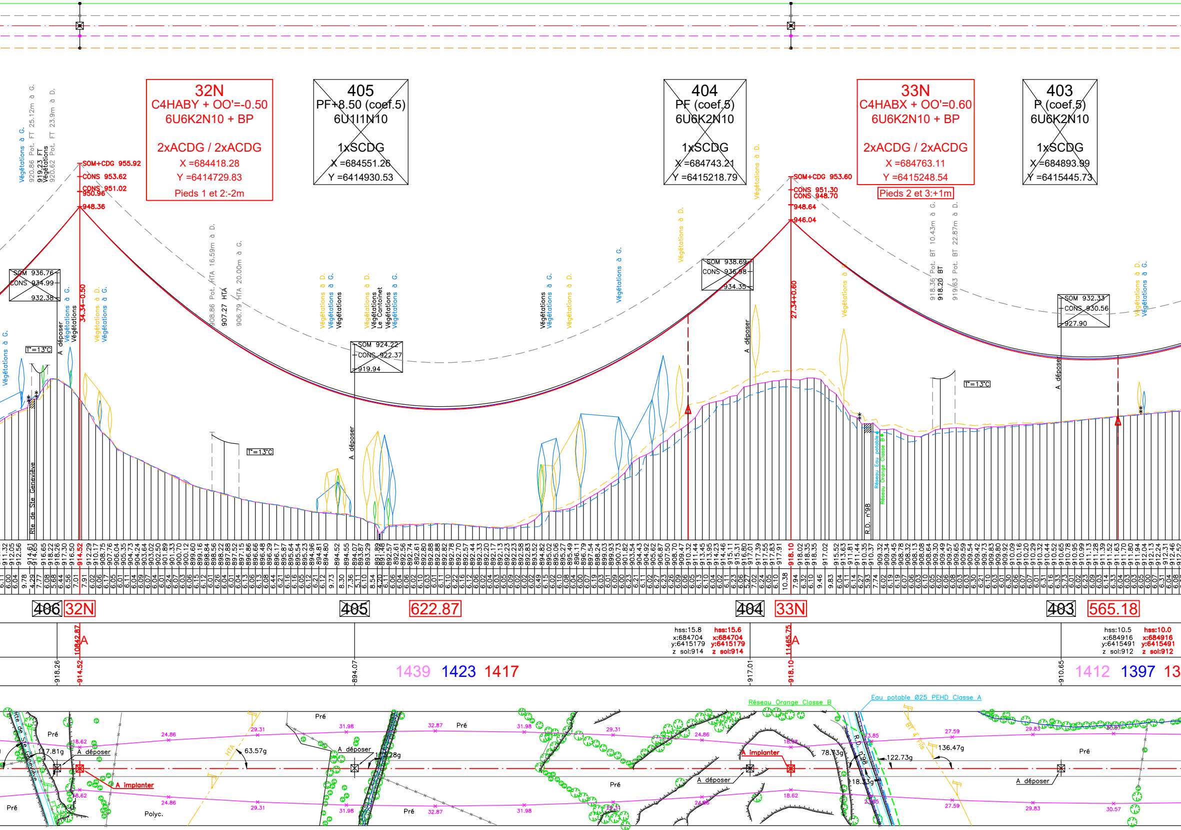


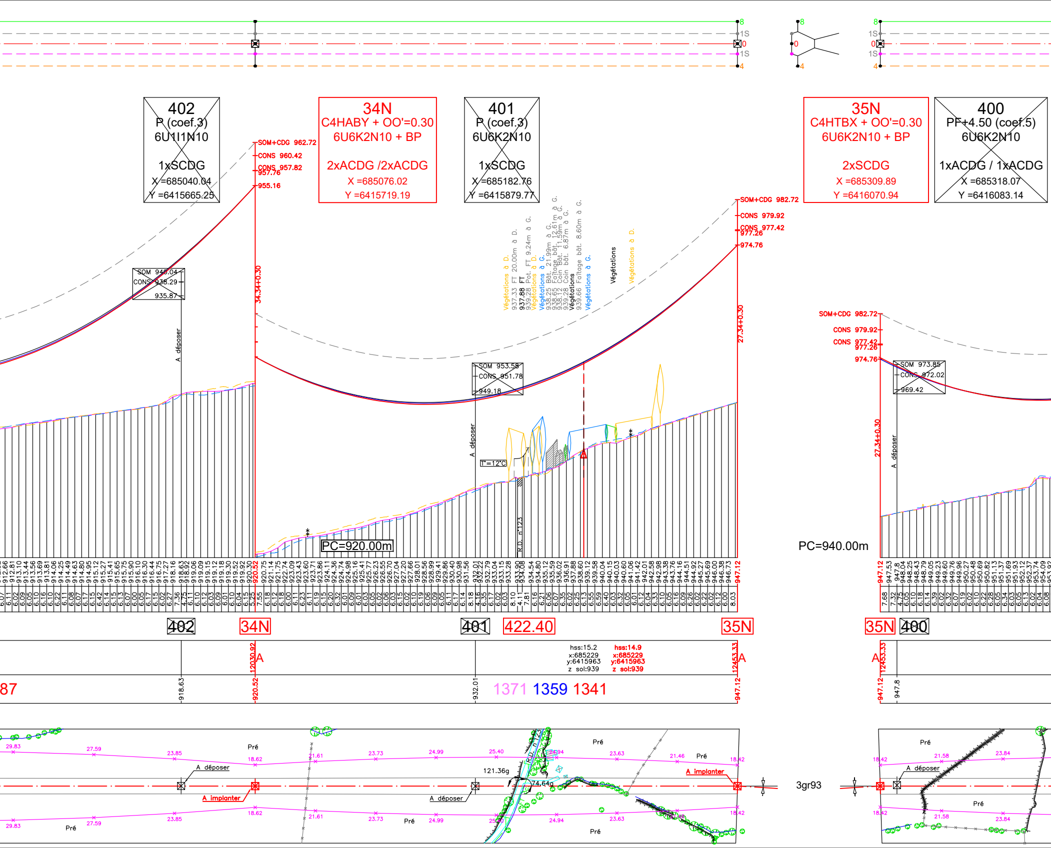
8
1A
0
1A
4
~~413~~ 27
G4AT1R1+ OO'=0.50
6U1I1N10+ Cpds 80kg
GEC 030
1xACDG / 1xACDG
X =683102.92
Y =6413486.01
~~412~~ 28
G4AT1R1+ OO'=0.60
6U1I1N10
GEC 030
1xACDG / 2xACDG
X =683210.93
Y =6413544.08
Adaptation chevalet
~~411~~ 29
C1TCR1
6U1I1N10 + Cpds 160kg
SRC 070*
2xACDG / 2xACDG
X =683493.68
Y =6413696.09
* Renforcé par 2 micropieux / Pied
Ø120mm - Lg : 6m / Arm: 60mm - Ep : 10mm
Virole : Ø 1800mm
901.42 Coin 17.26m à D.
903.64 Faîtage 12.78m à D.
Végétations à G.
913.76 Pot. HTA 10.41m à D.
915.12 HTA
918.91 Pot. HTA 20.65m à G.
916.34 Pot. FT 18.85m à G.
913.75 FT
913.02 Pot. FT 20.85m à D.
31.07
SOM 945.50
CDG 945.36
CONS 941.15
T°=13°C
Végétations à D.
Végétations à G.
Végétations
SOM 904.81
CDG 904.62
CONS 900.56
898.08
CONS 896.04
CONS 893.04
893.62
890.55
19.99
SOM 908.49
CDG 908.14
CONS 904.42
902.00
CONS 899.91
CONS 896.92
897.48
894.46
19.78
SOM 903.56
CDG 903.08
CONS 902.58
CONS 900.18
900.17
897.77
25.94
Blac Montagne
Réseau Eau potable
PC=870.00m
Chemin
Chemin
Réseau Eau potable
BT Sout. Classe
Route Com.
27
122.63
28
321.03
29
419.34
30
hss:12.5
x:683008
y:6413441
z sol:866
8976.97
A
hss:17.4
x:683148
y:6413518
z sol:872
hss:17.3
x:683148
y:6413518
z sol:872
9099.60
A
hss:16.7
x:683414
y:6413646
z sol:877
hss:16.4
x:683414
y:6413646
z sol:877
9420.63
A
hss:14.1
x:683725
y:6413809
z sol:896
hss:13.7
x:683725
y:6413809
z sol:896
9839.97
A
869.76
1089 1217 1056
873.88
1103 1231 1071
881.00
1156 1202 1129
910.08
Pré
Chemin
103.04g
124.25g
13.69g
51.91g
100.22g
26.65g
47.87g
92.47g
113.26g
104.01g
Eau potable Ø75 PVC Classe A
BT Sout. Classe
Blac Montagne

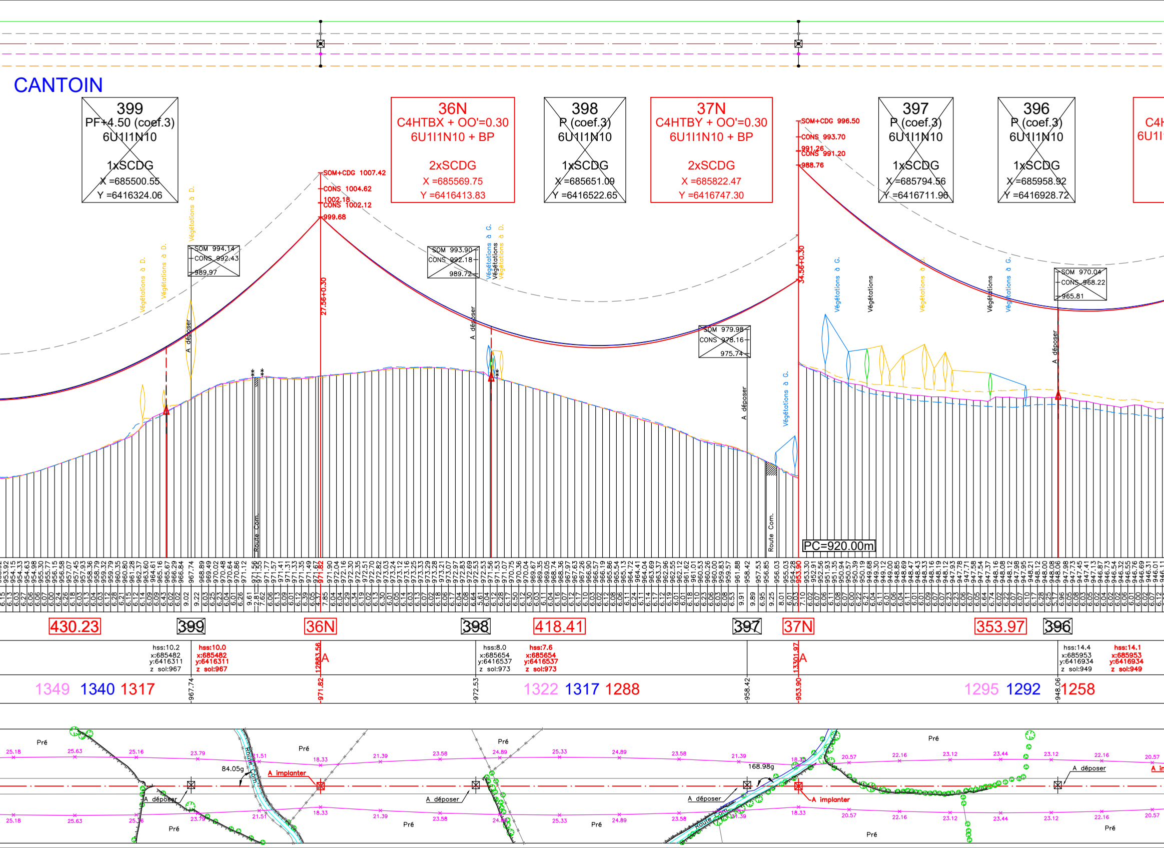


8
1A
0
1A
4
CANTOIN
~~409~~ 30
M1S1MX A renforcer
6U4X2N15 / 6U4X2N15
DCC 125
2xACDG / 2xACDG
X =683863.03
Y =6413894.66
Anti-cascade
+Boitier d'épissure
~~408~~
~~P-RU1+4.50 (coef.3)~~
~~6U1I1N10~~
~~1xACDG~~
~~X =684031.03~~
~~Y =6414148.93~~
31N
C4HABX + OO'=0.40
6U6K2N10 + BP
2xACDG / 2XACDG
X =684049.50
Y =6414175.13
~~407~~
~~PF+4.50 (coef.5)~~
~~6U6K2N10 + BP~~
~~2xSCDG~~
~~X =684231.36~~
~~Y =6414449.70~~
~~406~~
~~P-3 (coef.3)~~
~~6U6K2N10~~
~~1xSCDG~~
~~X =684406.97~~
~~Y =6414713.49~~
SOM 945.50
CDG 945.36
CONS 941.15
31.07
~~SOM 944.20~~
~~CONS 942.49~~
~~940.01~~
A déposer
SOM+CDG 950.20
CONS 947.90
CONS 945.30
945.24
942.64
27.34+0.40
Végétations à D.
920.16 Pot. HTA 13.74m à D.
919.78 HTA
920.26 Pot. HTA 25.79m à G.
T°=12°C
Route Com.
Réseau Eau potable
Végétations à G.
Végétations à D.
Végétations
~~SOM 922.47~~
~~CONS 920.73~~
~~918.11~~
A déposer
PC=890.00m
910.08
914.90
896.31
30
336.81
~~408~~
31N
~~407~~
666.09
A
9839.97
hss:10.7
x:683977
y:6414050
z sol:921
hss:10.5
x:683977
y:6414050
z sol:921
10176.78
A
hss:9.9
x:684227
y:6414428
z sol:897
hss:9.3
x:684227
y:6414428
z sol:897
910.08
917.99
914.90
896.31
1395
1375
1366
1441
1424
1420
31gr24
Pré
19.20
21.01
22.28
23.01
23.21
22.87
21.99
20.58
18.62
25.74
30.82
33.87
34.89
33.87
30.82
25.74
120.46g
92.58g
11.50g
79.95g
Route Com.
A déposer
A implanter
HTA
Eau potable Ø125 Classe A
A déposer

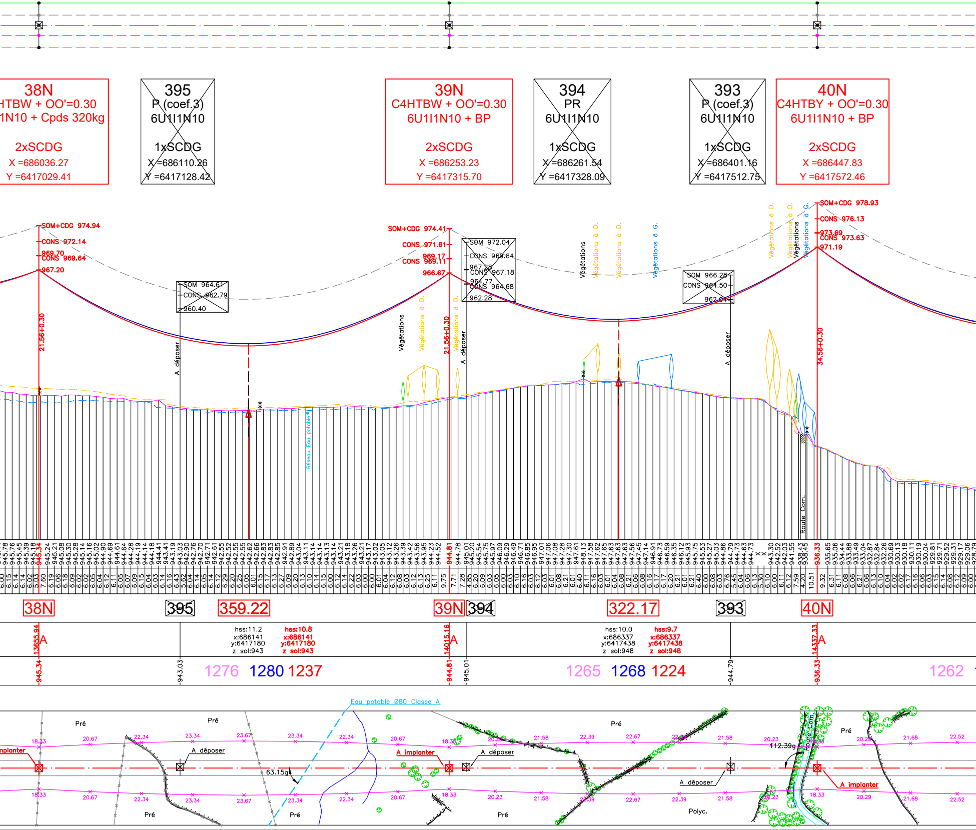
Alignement de: 2613.35m


32N
C4HABY + OO'=-0.50
6U6K2N10 + BP
2xACDG / 2xACDG
X =684418.28
Y =6414729.83
Pieds 1 et 2:-2m
405
PF+8.50 (coef.5)
6U1I1N10
1xSCDG
X =684551.26
Y =6414930.53
404
PF (coef.5)
6U6K2N10
1xSCDG
X =684743.21
Y =6415218.79
33N
C4HABX + OO'=0.60
6U6K2N10 + BP
2xACDG / 2xACDG
X =684763.11
Y =6415248.54
Pieds 2 et 3:+1m
403
P (coef.5)
6U6K2N10
1xSCDG
X =684893.99
Y =6415445.73
SOM+CDG 955.92
CONS 953.62
CONS 951.02
950.96
948.36
SOM+CDG 953.60
CONS 951.30
CONS 948.70
948.64
946.04
SOM 936.76
CONS 934.99
932.38
SOM 924.22
CONS 922.37
919.94
SOM 938.69
CONS 936.98
934.35
SOM 932.33
CONS 930.56
927.90
34.34-0.50
27.34+0.60
T°=13°C
Végétations à G.
Végétations à D.
920.86 Pot. FT 25.12m à G.
919.23 FT
920.62 Pot. FT 23.9m à D.
908.86 Pot. HTA 16.59m à D.
907.27 HTA
906.79 HTA 20.00m à G.
918.36 Pot. BT 10.43m à G.
918.20 BT
919.63 Pot. BT 22.87m à D.
A déposer
Le Cantoinet
Rte de Ste Geneviève
R.D. n°98
Réseau Eau potable
Réseau Orange Classe B
406
32N
405
622.87
404
33N
403
565.18
A
hss:15.8
x:684704
y:6415179
z sol:914
hss:15.6
x:684704
y:6415179
z sol:914
hss:10.5
x:684916
y:6415491
z sol:912
hss:10.0
x:684916
y:6415491
z sol:912
10842.87
11465.75
918.26
914.52
894.07
917.01
918.10
910.65
1439
1423
1417
1412
1397
13
Réseau Orange Classe B
Eau potable Ø25 PEHD Classe A
Pré
Polyc.
A déposer
A implanter
117.81g
63.57g
161.28g
78.73g
122.73g
136.47g
18.33g
HTA
BT 4 fils
18.62
24.86
29.31
31.98
32.87
27.59
29.83
30.57
23.85
23.95

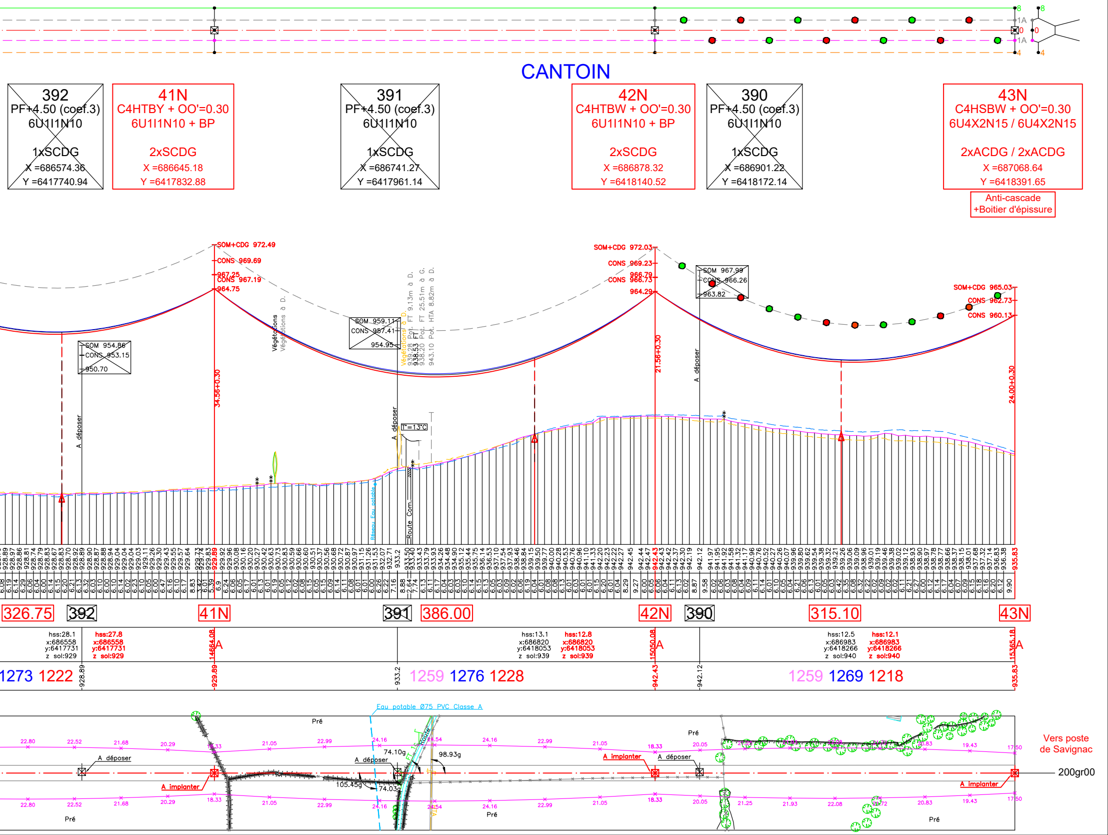

402
P (coef.3)
6U1I1N10
1xSCDG
X =685040.04
Y =6415665.25
34N
C4HABY + OO'=0.30
6U6K2N10 + BP
2xACDG /2xACDG
X =685076.02
Y =6415719.19
401
P (coef.3)
6U6K2N10
1xSCDG
X =685182.76
Y =6415879.77
35N
C4HTBX + OO'=0.30
6U6K2N10 + BP
2xSCDG
X =685309.89
Y =6416070.94
400
PF+4.50 (coef.5)
6U6K2N10
1xACDG / 1xACDG
X =685318.07
Y =6416083.14
SOM+CDG 962.72
CONS 960.42
CONS 957.82
957.76
955.16
SOM 940.04
CONS 938.29
935.87
A déposer
34.34+0.30
SOM+CDG 982.72
CONS 979.92
CONS 977.42
977.26
974.76
27.34+0.30
SOM 953.58
CONS 951.78
949.18
T°=12°C
SOM 973.85
CONS 972.02
969.42
Végétations à D.
937.33 FT 20.00m à D.
937.88 FT
939.28 Pot. FT 9.24m à G.
Végétations à D.
Végétations à G.
938.25 Bât. 21.99m à G.
938.65 Faîtage bât. 12.61m à G.
938.12 Coin bât. 11.59m à G.
939.28 Coin bât. 6.87m à G.
Végétations
939.66 Faîtage bât. 8.60m à G.
Végétations à G.
Végétations
Végétations à D.
R.D. n°123
PC=920.00m
PC=940.00m
402
34N
401
422.40
35N
35N
400
hss:15.2
x:685229
y:6415963
z sol:939
hss:14.9
x:685229
y:6415963
z sol:939
12030.92 A
12453.33 A
A 12453.33
87
918.63
920.52
932.01
947.12
947.12
947.8
1371 1359 1341
Pré
A déposer
A implanter
121.36g
74.64g
R.D. n°123
A implanter
A déposer
3gr93
29.83
27.59
23.85
18.62
21.61
23.73
24.99
25.40
24.94
23.63
21.46
18.42
21.58
23.84
8
1S
0
1S
4


CANTOIN
399
PF+4.50 (coef.3)
6U1I1N10
1xSCDG
X =685500.55
Y =6416324.06
36N
C4HTBX + OO'=0.30
6U1I1N10 + BP
2xSCDG
X =685569.75
Y =6416413.83
398
P (coef.3)
6U1I1N10
1xSCDG
X =685651.09
Y =6416522.65
37N
C4HTBY + OO'=0.30
6U1I1N10 + BP
2xSCDG
X =685822.47
Y =6416747.30
397
P (coef.3)
6U1I1N10
1xSCDG
X =685794.56
Y =6416711.96
396
P (coef.3)
6U1I1N10
1xSCDG
X =685958.92
Y =6416928.72
SOM+CDG 1007.42
CONS 1004.62
1002.18
CONS 1002.12
999.68
27.56+0.30
SOM 994.14
CONS 992.43
989.97
SOM 993.90
CONS 992.18
989.72
SOM+CDG 996.50
CONS 993.70
991.26
CONS 991.20
988.76
34.56+0.30
SOM 979.98
CONS 978.16
975.74
SOM 970.04
CONS 968.22
965.81
Végétations à D.
Végétations à G.
Végétations
A déposer
Route Com.
PC=920.00m
430.23
399
36N
398
418.41
397
37N
353.97
396
hss:10.2
x:685482
y:6416311
z sol:967
hss:10.0
x:685482
y:6416311
z sol:967
12883.56
A
hss:8.0
x:685654
y:6416537
z sol:973
hss:7.6
x:685654
y:6416537
z sol:973
13301.97
A
hss:14.4
x:685953
y:6416934
z sol:949
hss:14.1
x:685953
y:6416934
z sol:949
1349 1340 1317
967.74
971.82
972.53
1322 1317 1288
958.42
953.90
1295 1292 1258
948.06
Pré
84.05g
A implanter
A déposer
Route Com.
168.98g
25.18
25.63
25.16
23.79
21.51
18.33
21.39
23.58
24.89
25.33
20.57
22.16
23.12
23.44

Alignement de: 7455.43m



38N
HTBW + OO'=0.30
1N10 + Cpds 320kg
2xSCDG
X =686036.27
Y =6417029.41
395
P (coef.3)
6U1I1N10
1xSCDG
X =686110.26
Y =6417128.42
39N
C4HTBW + OO'=0.30
6U1I1N10 + BP
2xSCDG
X =686253.23
Y =6417315.70
394
PR
6U1I1N10
1xSCDG
X =686261.54
Y =6417328.09
393
P (coef.3)
6U1I1N10
1xSCDG
X =686401.16
Y =6417512.75
40N
C4HTBY + OO'=0.30
6U1I1N10 + BP
2xSCDG
X =686447.83
Y =6417572.46
SOM+CDG 974.94
CONS 972.14
969.70
CONS 969.64
967.20
SOM 964.61
CONS 962.79
960.40
SOM+CDG 974.41
CONS 971.61
969.17
CONS 969.11
966.67
SOM 972.04
CONS 969.64
967.28
CONS 967.18
964.77
CONS 964.68
962.28
SOM 966.28
CONS 964.50
962.04
SOM+CDG 978.93
CONS 976.13
973.69
CONS 973.63
971.19
21.56+0.30
21.56+0.30
34.56+0.30
A déposer
A déposer
A déposer
Végétations
Végétations à D.
Végétations à G.
Réseau Eau potable
Route Com.
38N
395
359.22
39N
394
322.17
393
40N
13655.94 A
14015.16 A
14337.33 A
hss:11.2
x:686141
y:6417180
z sol:943
hss:10.8
x:686141
y:6417180
z sol:943
hss:10.0
x:686337
y:6417438
z sol:948
hss:9.7
x:686337
y:6417438
z sol:948
945.34
943.03
944.81
945.01
944.79
936.33
1276
1280
1237
1265
1268
1224
1262
Eau potable Ø80 Classe A
Pré
Polyc.
A implanter
A déposer
63.15g
112.39g
18.33
20.67
22.34
23.34
23.67
20.23
21.58
22.39
22.67
20.29
21.68
22.52



CANTOIN
392
PF+4.50 (coef.3)
6U1I1N10
1xSCDG
X =686574.36
Y =6417740.94
41N
C4HTBY + OO'=0.30
6U1I1N10 + BP
2xSCDG
X =686645.18
Y =6417832.88
391
PF+4.50 (coef.3)
6U1I1N10
1xSCDG
X =686741.27
Y =6417961.14
42N
C4HTBW + OO'=0.30
6U1I1N10 + BP
2xSCDG
X =686878.32
Y =6418140.52
390
PF+4.50 (coef.3)
6U1I1N10
1xSCDG
X =686901.22
Y =6418172.14
43N
C4HSBW + OO'=0.30
6U4X2N15 / 6U4X2N15
2xACDG / 2xACDG
X =687068.64
Y =6418391.65
Anti-cascade
+Boitier d'épissure
SOM+CDG 972.49
CONS 969.69
967.25
CONS 967.19
964.75
SOM 954.86
CONS 953.15
950.70
SOM 959.11
CONS 957.41
954.95
SOM+CDG 972.03
CONS 969.23
966.79
CONS 966.73
964.29
SOM 967.99
CONS 966.26
963.82
SOM+CDG 965.03
CONS 962.73
CONS 960.13
34.56+0.30
21.56+0.30
24.00+0.30
A déposer
Végétations
Végétations à D.
Végétations à D.
939.28 Pot. FT 9.13m à D.
938.53 FT
938.20 Pot. FT 25.51m à G.
943.10 Pot. HTA 8.82m à D.
T°=13°C
Réseau Eau potable
Route Com.
326.75
392
41N
391
386.00
42N
390
315.10
43N
hss:28.1
x:686558
y:6417731
z sol:929
hss:27.8
x:686558
y:6417731
z sol:929
hss:13.1
x:686820
y:6418053
z sol:939
hss:12.8
x:686820
y:6418053
z sol:939
hss:12.5
x:686983
y:6418266
z sol:940
hss:12.1
x:686983
y:6418266
z sol:940
14664.08
15050.08
15365.18
A
1273 1222
928.89
929.89
933.2
1259 1276 1228
942.43
942.12
1259 1269 1218
935.83
Eau potable Ø75 PVC Classe A
Pré
A déposer
A implanter
74.10g
98.93g
105.45g
74.03g
Route
FT
Vers poste
de Savignac
200gr00
22.80
22.52
21.68
20.29
18.33
21.05
22.99
24.16
24.54
20.05
21.25
21.93
22.08
21.72
20.83
19.43
17.50