





**République du Burundi**

**PROJET SYSTÈMES ALIMENTAIRES DURABLES (SYSAD)**

***ANALYSE ET REVUE DES ÉTUDES APD, PRÉPARATION DU DOSSIER D'APPEL D'OFFRES, ET CONTRÔLE ET SURVEILLANCE DES TRAVAUX DE CONSTRUCTIONS DES OUVRAGES DE MOBILISATION ET DE TRANSFERT DES EAUX DU PÉRIMÈTRE IRRIGUÉ À PARTIR DE LA RIVIÈRE KABURANTWA EN RIVE DROITE DANS LA COMMUNE BUGANDA EN PROVINCE CIBITOKE, AU BURUNDI***

***BDI23008-10045***

# Avant-Projet Détaillé

# Cahier des Plans

# Mobilisation de la ressource en eau



**Version Finale**

**Juin 2025**

## Fiche signalétique

| | |
|---|---|
| **Pays** | BURUNDI |
| **Projet** | Projet Systèmes Alimentaires Durables (SysAD) |
| **Étude** | Analyse et revue des études APD, préparation du dossier d'appel d'offres, et contrôle et surveillance des travaux de constructions des ouvrages de mobilisation et de transfert des eaux du périmètre irrigué à partir de la rivière Kaburantwa en rive droite dans la commune Buganda en Province Cibitoke, au Burundi - BDI23008-10045 |
| **Phase** | APD |
| **Document** | APD – Cahier des plans des ouvrages de mobilisation |
| **Version** | Version finale |
| **Consultant** | SHER Ingénieurs Conseils s.a. |

***SHER** Ingénieurs-conseils s.a.*

*Rue J. Matagne, 15*
*5020 Namur – Belgium*
*Tel. : +32 81 32 79 80*
*www.sher.be*

***Chef de Mission:*** *M-H Bourge*
***Référence :*** *BUR68*
***Phone :*** *+32 (0) 81 32 79 80*
***E-mail :*** *bourge@sher.be*

| Rev.n° | Date | Contenu | Preparé par: | Vérifié par: |
|---|---|---|---|---|
| 1 | 12/05/2025 | Revue APD | Michel-Henri Bourge<br>Hychem Rogai | Michel-Henri Bourge |
| 2 | 23/06/2025 | APD | Michel-Henri Bourge<br>Hychem Rogai | Michel-Henri Bourge |
| | | | | |

## Liste des plans

| Ouvrages de mobilisation de la ressource en eau | | | |
|---|---|---|---|
| **N° du plan** | **Description** | **Echelle** | **Format** |
| PT-OM-01 | Ouvrages de prise, canal d'amenée et dessableur - Vue d'ensemble | 1/150 | A1 |
| PT-OM-02.1 | Seuil de dérivation et prise - Plan d'implantation | 1/150 | A1 |
| PT-OM-02.2 | Seuil de dérivation et prise – Vue en plan | 1/75 | A1 |
| PT-OM-02.3 | Seuil de dérivation et prise - Coupes | 1/100 | A1 |
| PT-OM-03.1 | Canal d'amenée- Vue en plan, Coupes types | 1/125 | A1 |
| PT-OM-03.2/3/4 | Canal d'amenée - Sections en travers | 1/125 | A1 |
| PT-OM-03.5 | Canal d'amenée – Franchissement par la piste | 1/125 | A1 |
| PT-OM-04.1 | Dessableur - Plan d'implantation | 1/100 | A1 |
| PT-OM-04.2 | Dessableur - Vue en Plan et Coupe longitudinale | 1/100 | A1 |
| PT-OM-04.3 | Dessableur - Coupes A, B, C, D, E | 1/100 | A1 |
| PT-OM-04.4 | Dessableur - Coupes F et G | 1/100 | A1 |
| PT-OM-05.1 | Partiteur - Vue en plan et coupes | 1/125 | A1 |
| PT-OM-05.3 | Coursier du partiteur – Vue en plan et coupes | 1/125 | A1 |
| PT-OM-06.1 | Dalot et Siphon franchissement Kaburantwa – Plan et coupes | 1/125 | A1 |
| PT-OM-06.2 | Dalot et Siphon Kaburantwa - Profil en long | 1/125 | A1 |
| PT-OM-07 | Siphon Kaburantwa - Chambre de décharge | 1/125 | A1 |
| PT-OM-08.1 | Siphon Kagengwa – Vue d'ensemble | 1/600 | A1 |
| PT-OM-08.2 | Siphon Kagengwa - Profil en long, coupes, chambres de charge et décharge | Variable | A1 |
| **Canal tête morte en rive droite – CTM-RD** | | | |
| PL-CTM-RD-01/05 | Profils en long canal CTM-RD 0+000 – 3+252 | H :1/2000 – V :1/200 | A3 |
| SV-CTM-RD-01/18 | Profils en travers canal CTM-RD 0+000 – 3+252 | 1/200 | A3 |
| PT-OUVR_CTM-RD-01 | Ouvrages CTM-RD – Buse drainage fossé colature | 1/75 | A3 |
| PT-OUVR_CTM-RD-02 | Ouvrages CTM-RD – Franchissement thalweg | 1/75 | A3 |
| PT-OUVR_CTM-RD-03 | Ouvrages CTM-RD – Franchissement piste | 1/75 | A3 |
| PT-OUVR_CTM-RD-04 | Ouvrages CTM-RD – Prise pour étang piscicole | 1/75 | A3 |
| **Piste d'accès en rive droite (Kavumu – Dalot Kabu)** | | | |
| PL-PISTE-RD-01/02/03 | Profils en long piste d'accès RD 0+000 – 1+694 | H :1/2000 – V :1/200 | A3 |
| SV-PISTE-RD-01/13 | Profils en travers piste d'accès RD 0+000 – 1+694 | 1/200 | A3 |
| PT-OUVR_PISTE-01 | Ouvrages Piste d'accès -RD – Dalot double rivière | 1/75 | A3 |
| PT-OUVR_PISTE-02 | Ouvrages Piste d'accès -RD – Dalot simple pour franchissement thalwegs | 1/75 | A3 |
| PT-OUVR_PISTE-03 | Ouvrages Piste d'accès -RD – Buse drainage fossés colature | 1/75 | A3 |
| **Piste d'accès en rive gauche ( Dalot Kabu – Franchissement canal d'amenée)** | | | |
| PL-PISTE-RG-01/02/03 | Profils en long piste d'accès RG 0+000 – 0+140 | H :1/2000 – V :1/200 | A3 |
| SV-PISTE-RG-01/13 | Profils en travers piste d'accès RG 0+000 – 0+140 | 1/200 | A3 |
| **Bâtiment opérateur** | | | |
| PT-BAT_OPERAT_01 | Bâtiment opérateur – Vue en plan | 1/50 | A3 |
| PT-BAT_OPERAT_02 | Bâtiment opérateur – Coupe A-A | 1/50 | A3 |
| PT-BAT_OPERAT_03 | Bâtiment opérateur – Fondations | 1/50 | A3 |
| PT-BAT_OPERAT_04 | Bâtiment opérateur – Façades | 1/50 | A3 |

# Schéma général de l'aménagement

# AMÉNAGEMENT KABURANTWA
# SCHÉMA D'ENSEMBLE

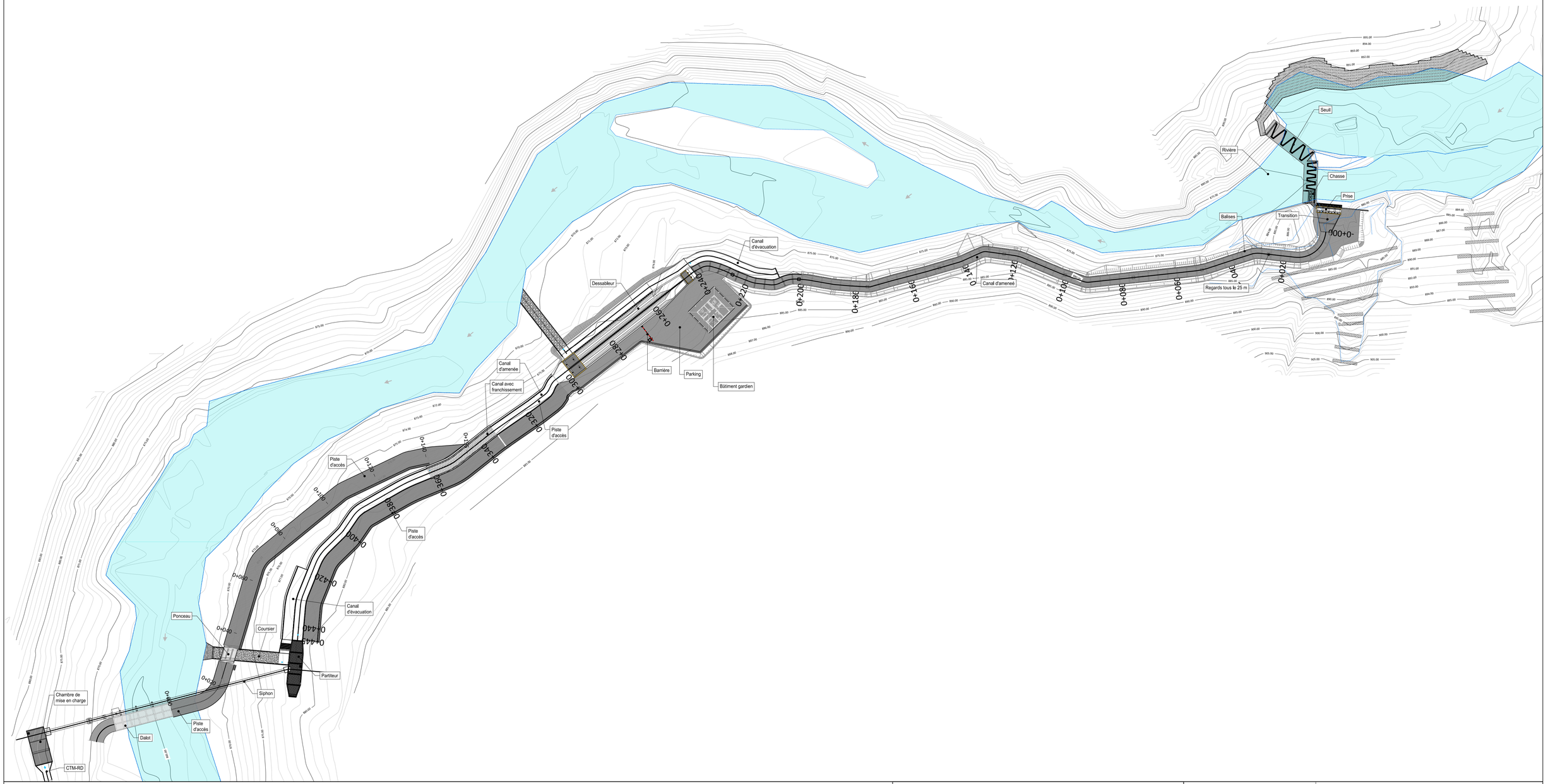
| | Sup ha. | Débit de projet l/s |
|---|---|---|
| **Aménagement** | **2 546.1** | **6 012** |
| **Rive Droite** | **1 599.9** | **3 816** |
| Bloc_CTM-RD | 16.8 | |
| Bloc-01 | 453.7 | 3 780 |
| Bloc-02 | 621.8 | 1 476 |
| Bloc-03 | 507.6 | 1 188 |
| **Rive Gauche** | **946.2** | **2 196** |
| Bloc_CTM-RG | 130.3 | 2 196 |
| Bloc-04 | 185.3 | 1 944 |
| Bloc-05 | 211.7 | 540 |
| Bloc-06 | 418.9 | 936 |

VUE EN PLAN

- CANAL TÊTE MORTE:
- CANAL PRIMAIRE :
- CANAL SECONDAIRE :
- CANAL TERTIAIRE :
- CANAL QUATERNAIRE :
- CANAL ARROSEUR :
- DRAIN PRIMAIRE :
- PISTE PRINCIPALE/ROUTE NATIONALE :
- PISTE SECONDAIRE/TRANSVERSALE :
- RIVIÈRE/EMISSAIRE :
- LIMITE DE SECTEURS :
- SIPHON :

PRISE KABURANTWA
CANAL D'AMENEE ET DESSABLEUR
SIPHON KABURANTWA
CTM-RD
CTM-RG
KABURANTWA
PISTE D'ACCÈS À LA PRISE
CC_RD 16.8 HA
KAGENGWA
SIPHON KAGENGWA
CC_RG 130.4 HA
SIPHON KANSEGA
KANSEGA
KAGUNUZI
BUGANDA
NDAVA
RUSIZI
RN 5
BLOC-01
BLOC-02
BLOC-03
BLOC-04
BLOC-05
BLOC-06
01.01 278.1 HA
01.02 14.7 HA
01.03 47.1 HA
02.01 153.5 HA
02.02 107.7 HA
02.03 17.8 HA
02.04 45.8 HA
02.05 39.3 HA
02.06 60.1 HA
02.07 79.9 HA
02.08 11.5 HA
02.09 32.5 HA
02.10 44.5 HA
02.11 29.2 HA
03.01 157.5 HA
03.02 115.7 HA
03.03 235.6 HA
04.01 39.6 HA
04.01 145.7 HA
05.01 16.5 HA
05.02 30.6 HA
05.03 32.4 HA
05.04 25.1 HA
05.05 15.1 HA
05.06 99.5 HA
06.01 130.8 HA
06.02 9.9 HA
06.03 8.8 HA
06.04 209.5 HA
06.05 55.2 HA
SD-TR 3
SD-TR 4
SD-TR 5
SD-TR 6
NG-TR 3
NG-TR 4
NG-TR 5
SG-TR 3
SG-TR 4
SG-TR 5
SG-TR 6
CP01 3744 L/S
CP01 3024 L/S
CP01 2988 L/S
CP01 2680 L/S
CP01 2664 L/S
CP02 1116 L/S
CP02 864 L/S
CP02 928 L/S
CP02 720 L/S
CP02 648 L/S
CP02 504 L/S
CP02 288 L/S
CP02 180 L/S
CP03 1188 L/S
CP03 864 L/S
CP03 864 L/S
CP04 2052 L/S
CP04 1512 L/S
CP05 360 L/S
CP05 432 L/S
CP06 900 L/S
CP06 612 L/S
CP06 576 L/S
CP06 576 L/S
CP06 648 L/S
CS01.01
CS01.02
CS01.03
CS01.04
CS02.01
CS02.02
CS02.03
CS02.04
CS02.05
CS02.06
CS02.07
CS02.08A
CS02.08B
CS02.09
CS02.10
CS02.11
CS03.01
CS03.02
CS03.03
CS04.01
CS04.02
CS05.01
CS05.02
CS05.04
CS05.05
CS05.06
CS06.01
CS06.02
CS06.03
CS06.04
CS06.05
DS01
DS02
DS03

# Ouvrages de mobilisation




Légende

| | |
|---|---|
| Béton armé | Dalle de couveture |
| Béton de propreté | Remblai compacté |
| Maçonnerie | Fouille |
| Talus | Gabion |

SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

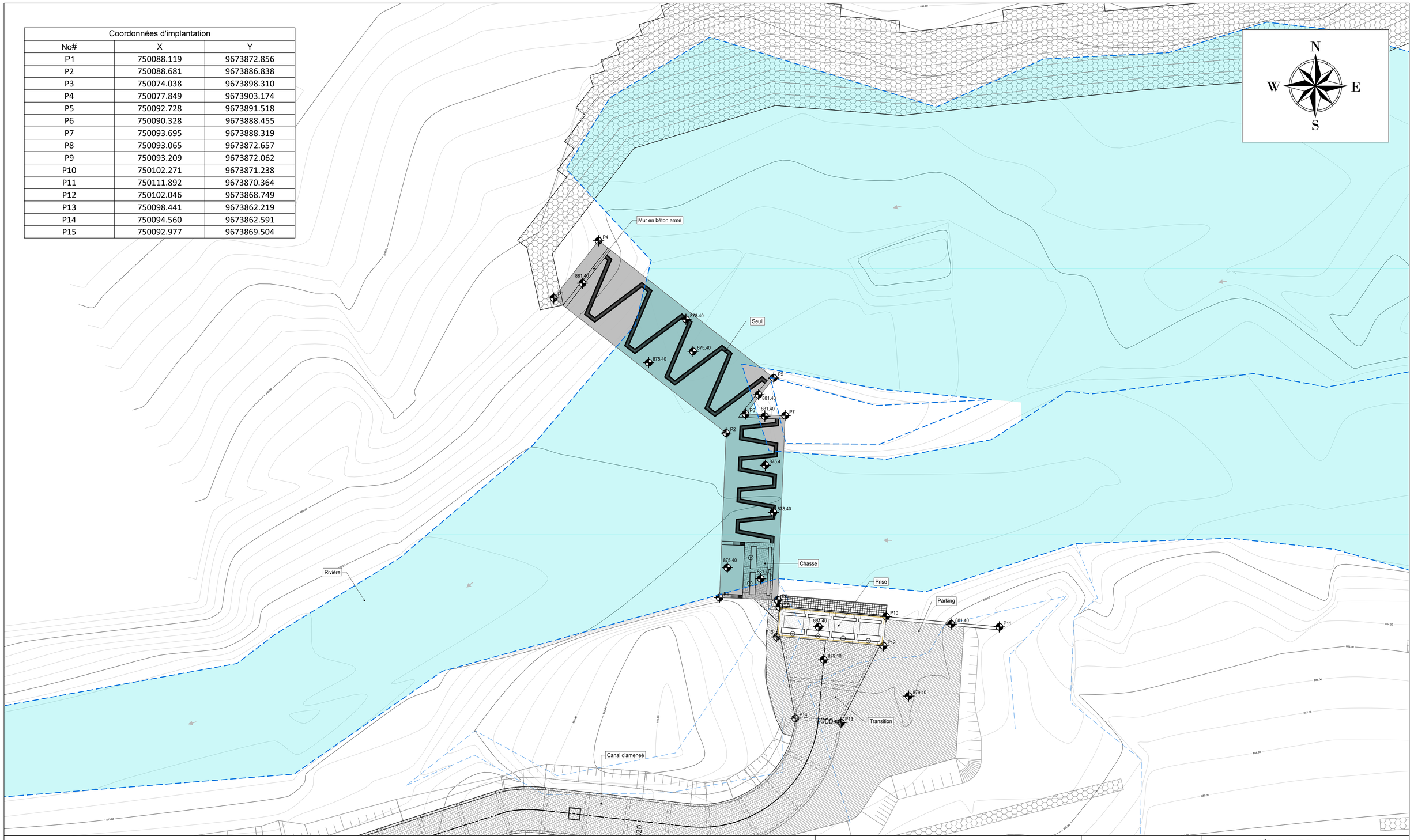
| | |
|---|---|
| REF. | PT-OM-01 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/600 |
| DATE | 06-2025 |

APD Kaburantwa

KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

OUVRAGES DE MOBILISATION - VUE D'ENSEMBLE

| Coordonnées d'implantation | | |
|---|---|---|
| No# | X | Y |
| P1 | 750088.119 | 9673872.856 |
| P2 | 750088.681 | 9673886.838 |
| P3 | 750074.038 | 9673898.310 |
| P4 | 750077.849 | 9673903.174 |
| P5 | 750092.728 | 9673891.518 |
| P6 | 750090.328 | 9673888.455 |
| P7 | 750093.695 | 9673888.319 |
| P8 | 750093.065 | 9673872.657 |
| P9 | 750093.209 | 9673872.062 |
| P10 | 750102.271 | 9673871.238 |
| P11 | 750111.892 | 9673870.364 |
| P12 | 750102.046 | 9673868.749 |
| P13 | 750098.441 | 9673862.219 |
| P14 | 750094.560 | 9673862.591 |
| P15 | 750092.977 | 9673869.504 |




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Dalle de couveture | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

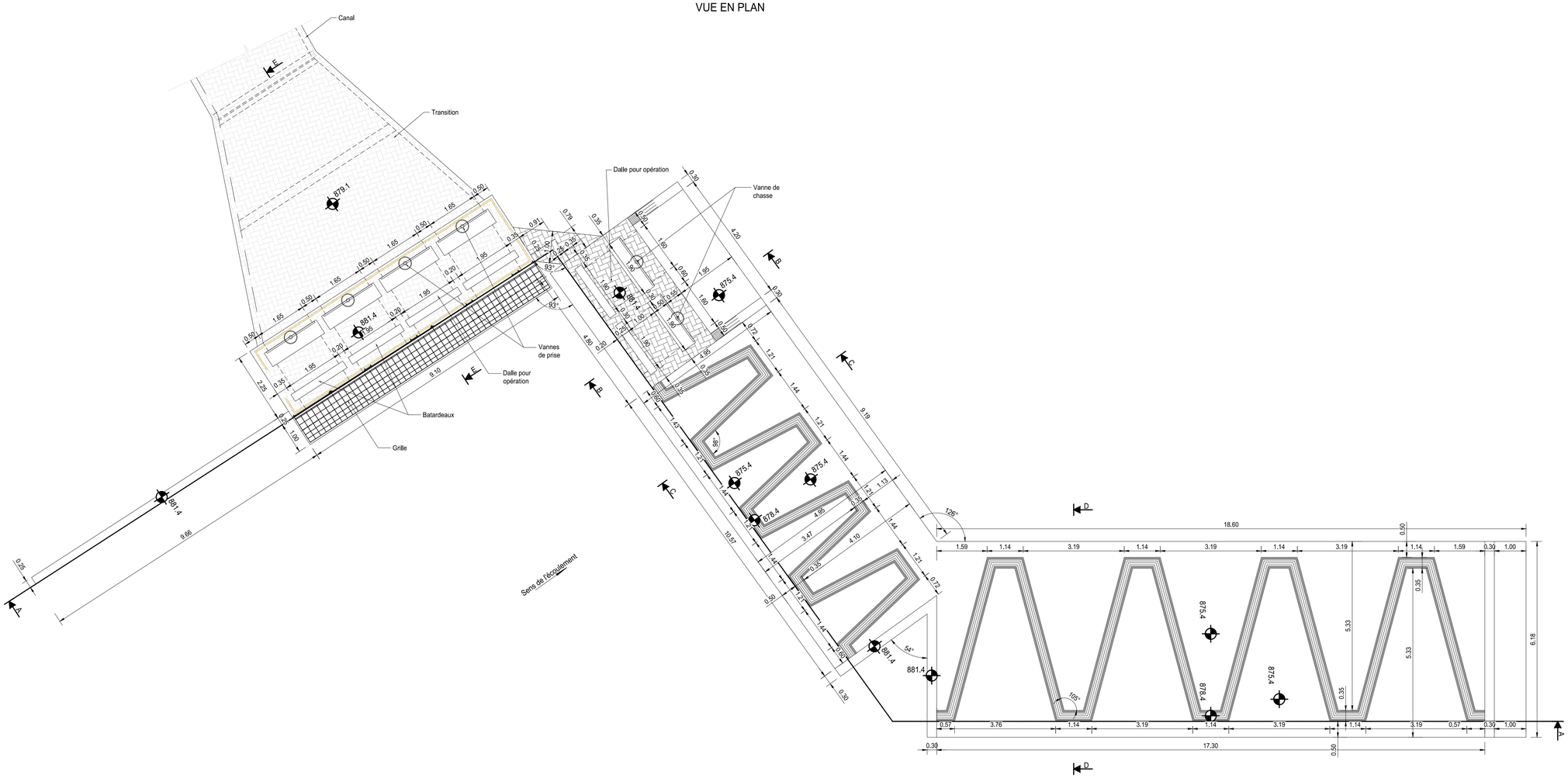
| | |
|---|---|
| REF. | PT-OM-02.1 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/150 |
| DATE | 06-2025 |

APD Kaburantwa

KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

SEUIL DE DERIVATION - IMPLANTATION

# VUE EN PLAN




## Légende

| | | | |
|---|---|---|---|
| Béton armé | | Dalle de couveture | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

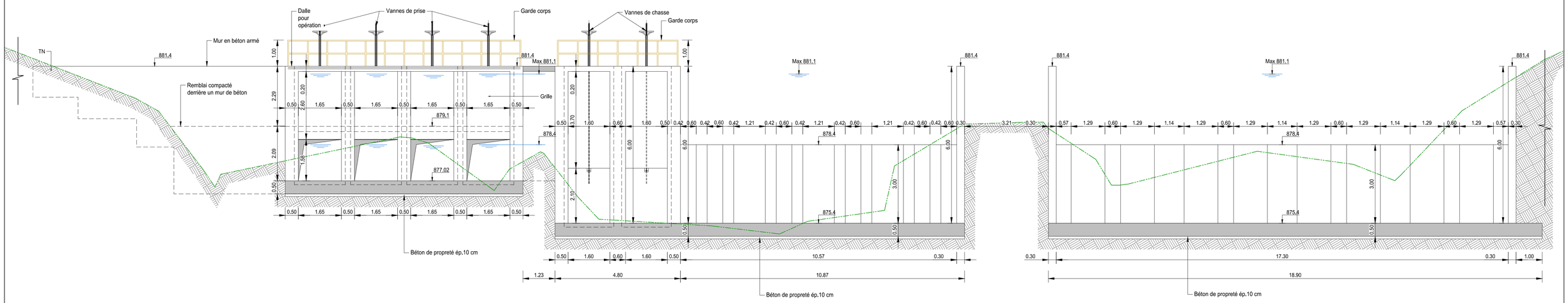
| | |
|---|---|
| REF. | PT-OM-02.2 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/75 |
| DATE | 06-2025 |

APD Kaburantwa

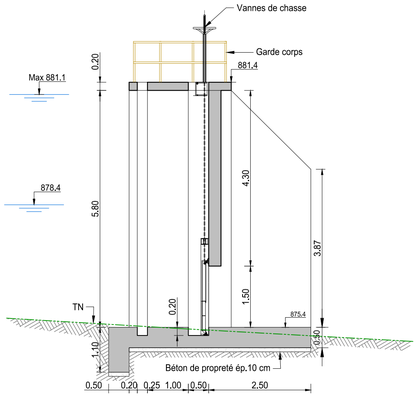
KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

SEUIL DE DERIVATION - VUE EN PLAN

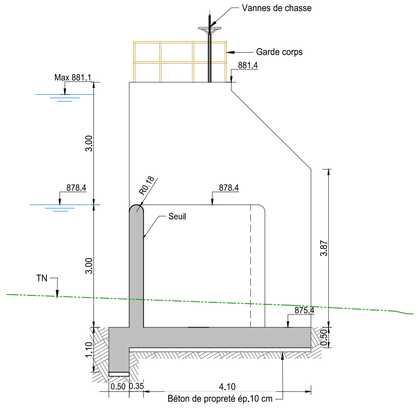
## COUPE A-A



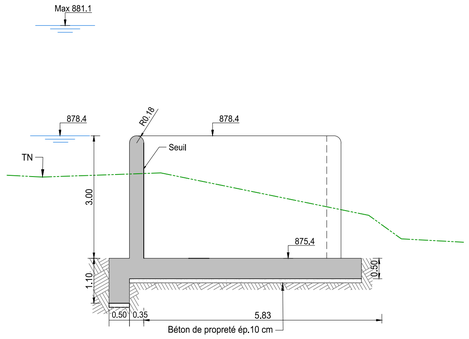

## COUPE B-B



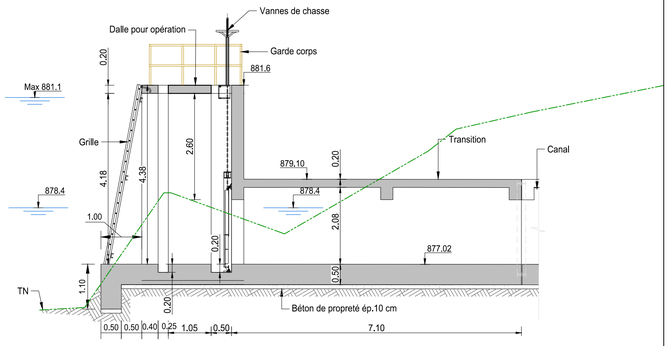

## COUPE C-C




## COUPE D-D




## COUPE E-E




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Dalle de couveture | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

| | |
|---|---|
| REF. | PT-OM-02.3 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/75 |
| DATE | 06-2025 |

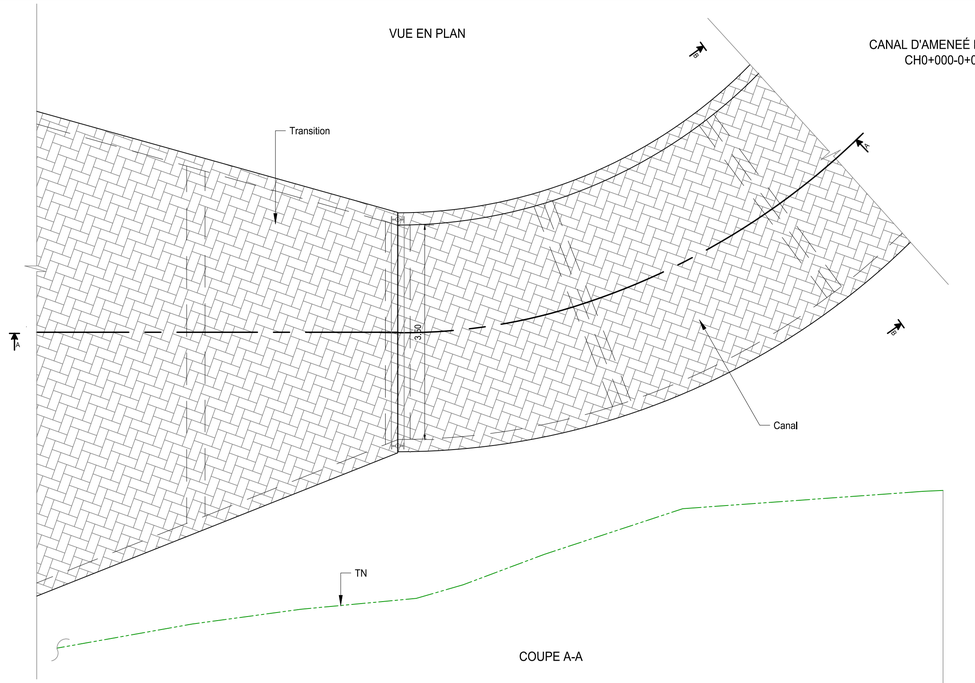
APD Kaburantwa

KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

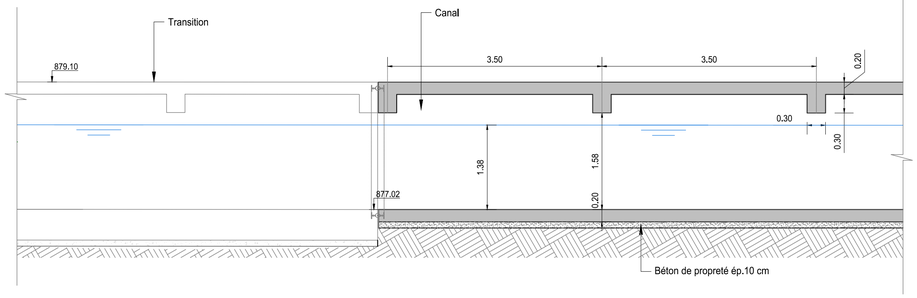
SEUIL DE DERIVATION - COUPES

## VUE EN PLAN

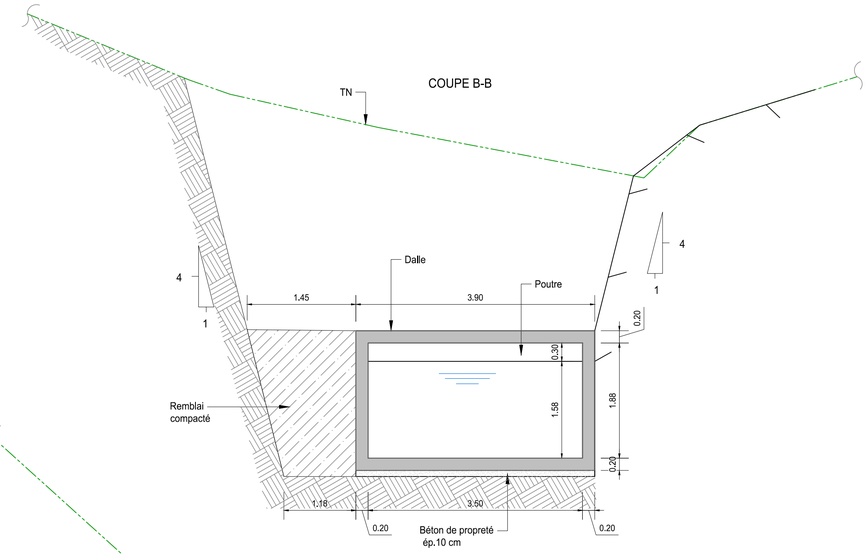
CANAL D'AMENEÉ EN BÉTON
CH0+000-0+0415



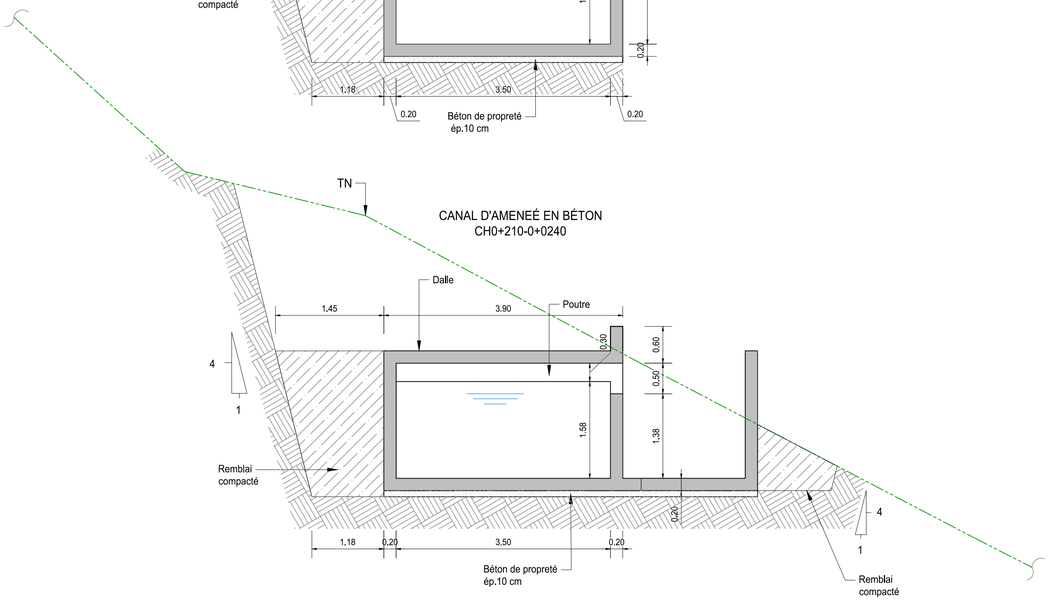

## COUPE A-A



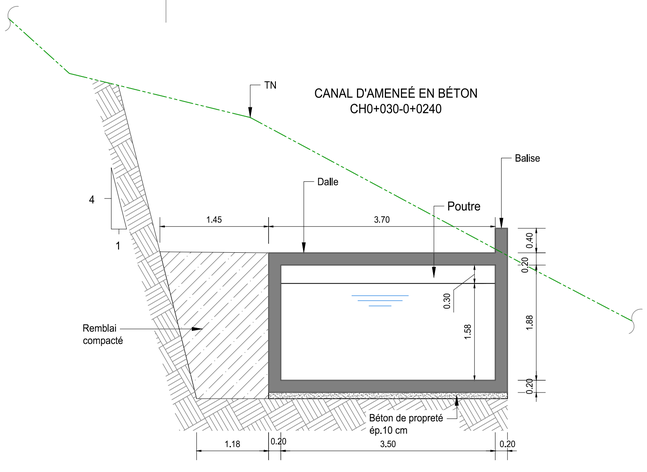

## COUPE B-B



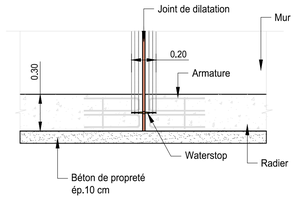

## CANAL D'AMENEÉ EN BÉTON
CH0+210-0+0240



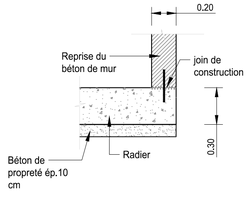

## CANAL D'AMENEÉ EN BÉTON
CH0+030-0+0240



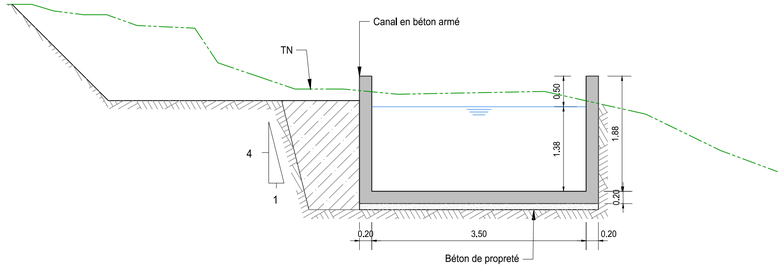

## DÉTAIL DE JOINTS DE DILATATION




## DÉTAIL DE JOINTS DE CONSTRUCTION




## COUPE TYPE.CH0+0302-0+0415
CANAL GAUCHE




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Dalle de couveture | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

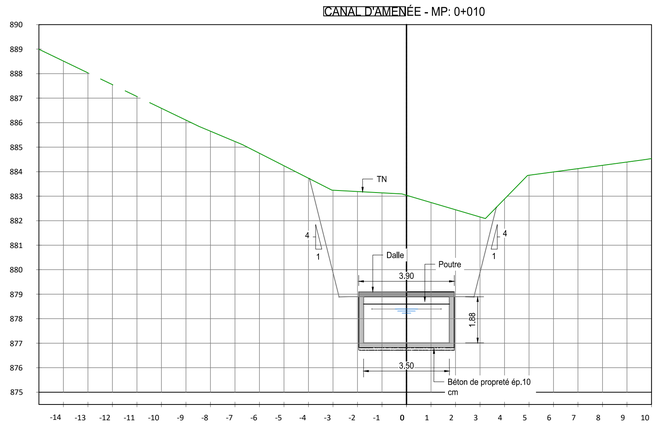
| | |
|---|---|
| REF. | PT-OM-03.1 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/100 |
| DATE | 06-2025 |

APD Kaburantwa

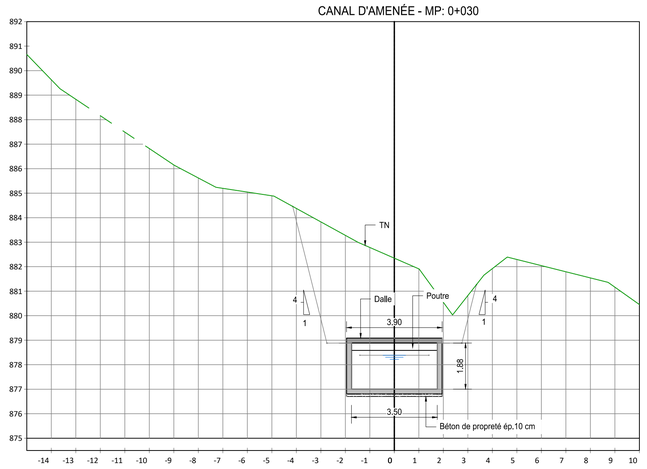
KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

CANAL AMENÉE - VUE EN PLAN ET COUPES TYPES

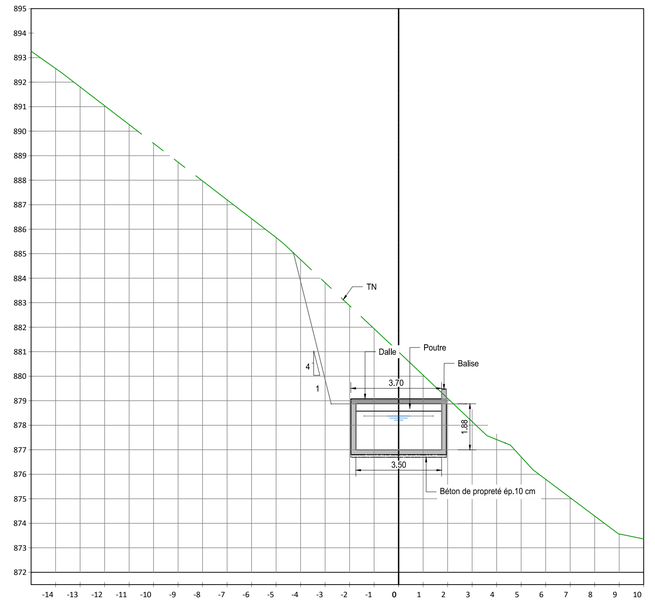
CANAL D'AMENÉE - MP: 0+010



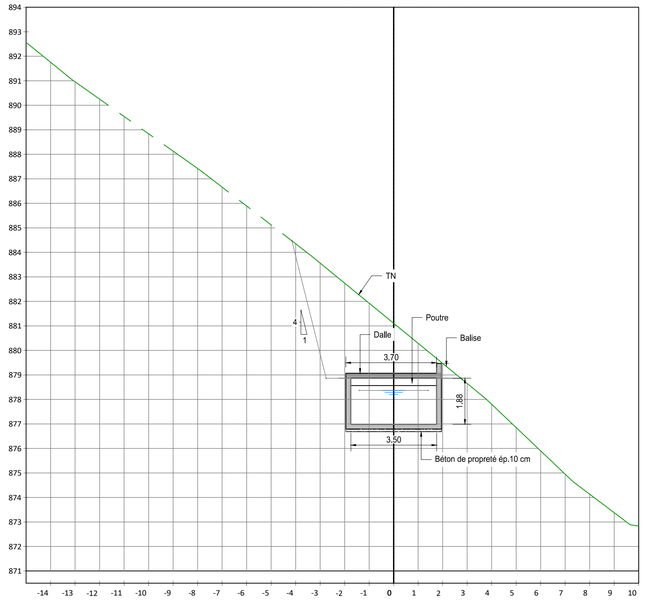

CANAL D'AMENÉE - MP: 0+030



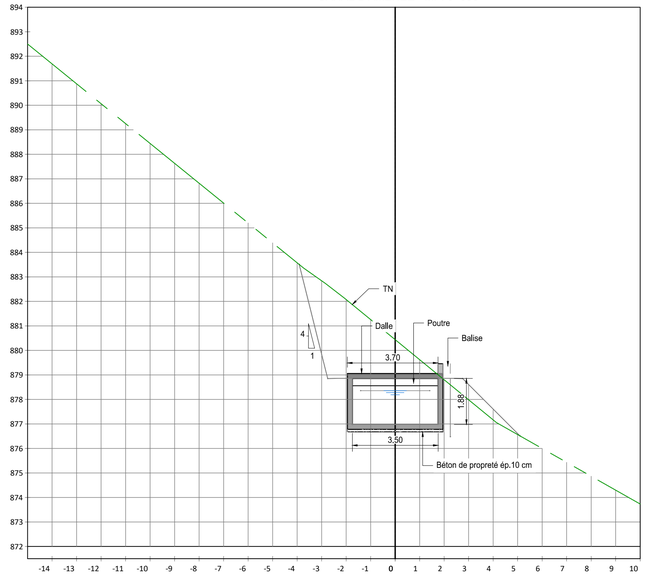

CANAL D'AMENÉE - MP: 0+050



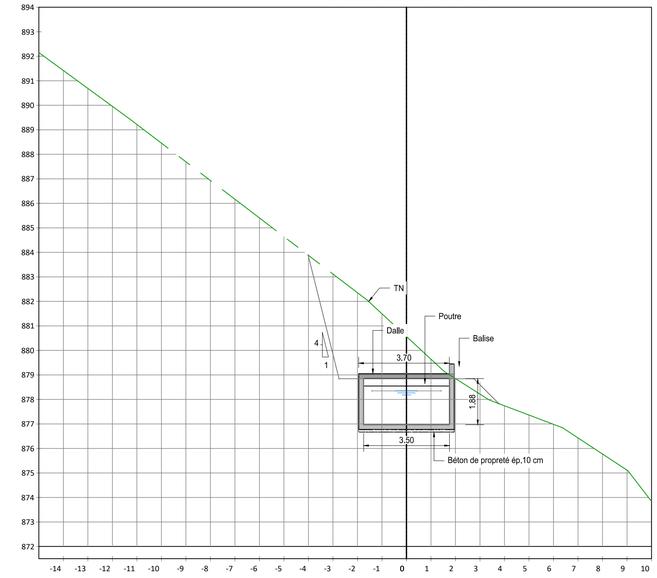

CANAL D'AMENÉE - MP: 0+070




CANAL D'AMENÉE - MP: 0+090




CANAL D'AMENÉE - MP: 0+110




Légende

| | |
|---|---|
| Béton armé | Dalle de couveture |
| Béton de propreté | Remblai compacté |
| Maçonnerie | Fouille |
| Talus | Gabion |


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

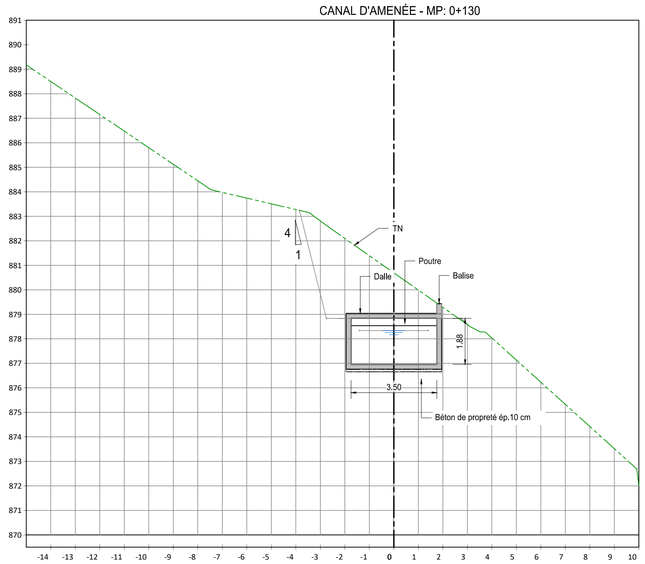
| | |
|---|---|
| REF. | PT-OM-03.2 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/125 |
| DATE | 06-2025 |

APD Kaburantwa

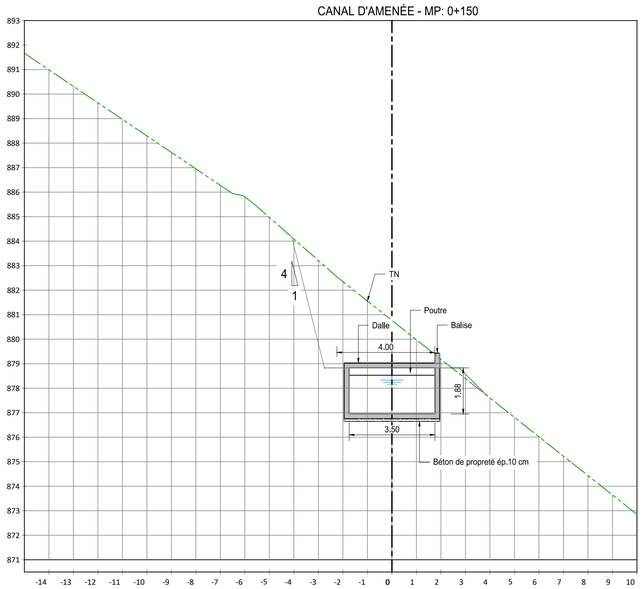
KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

CANAL AMENÉE - SECTIONS EN TRAVERS PM 0+010 - 0+110

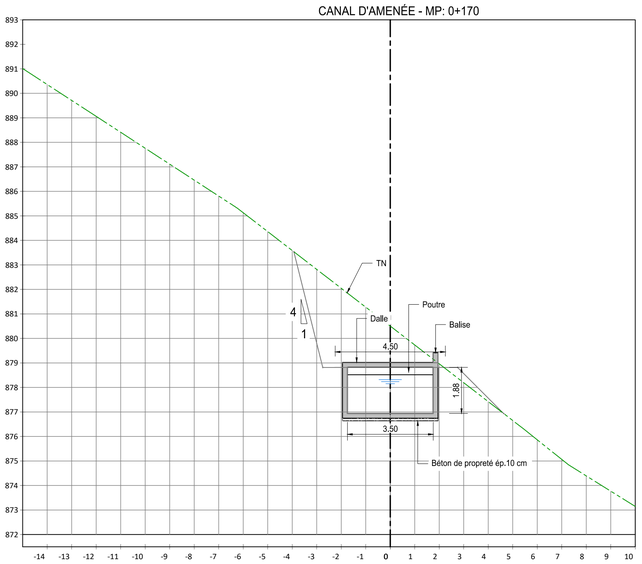
CANAL D'AMENÉE - MP: 0+130



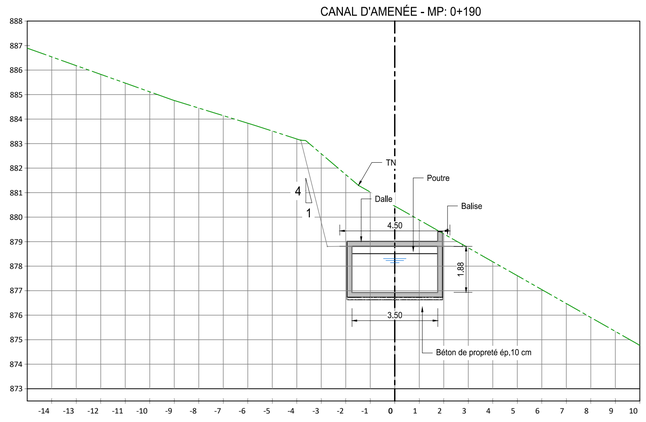

CANAL D'AMENÉE - MP: 0+150



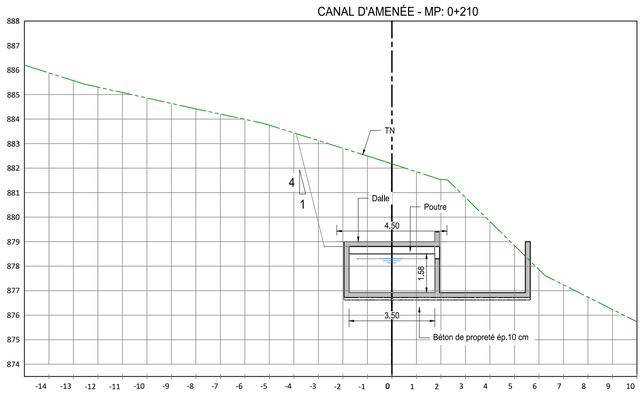

CANAL D'AMENÉE - MP: 0+170



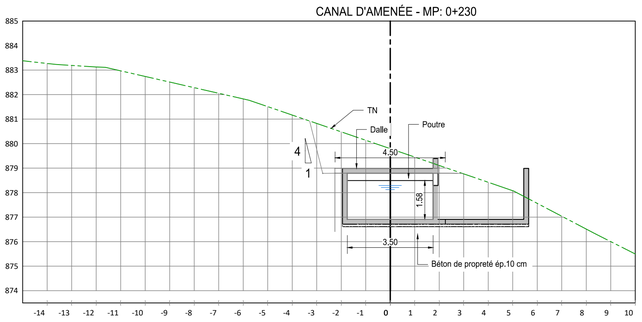

CANAL D'AMENÉE - MP: 0+190




CANAL D'AMENÉE - MP: 0+210




CANAL D'AMENÉE - MP: 0+230




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Dalle de couveture | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

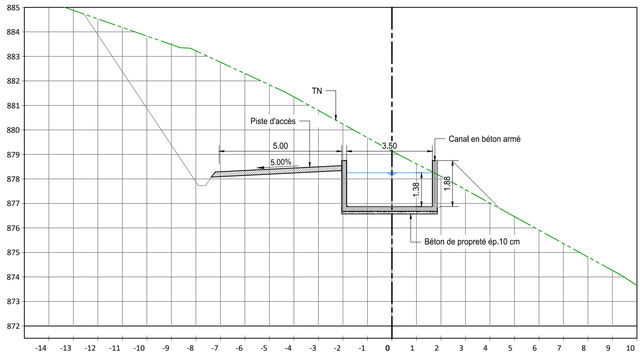
| | |
|---|---|
| REF. | PT-OM-03.3 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | #### |
| ECHELLE | 1/125 |
| DATE | 06-2025 |

APD Kaburantwa

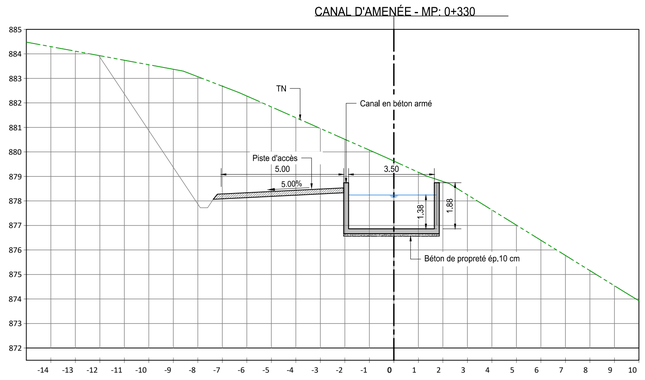
KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

CANAL AMENÉE - SECTIONS EN TRAVERS PM 0+130 - 0+230

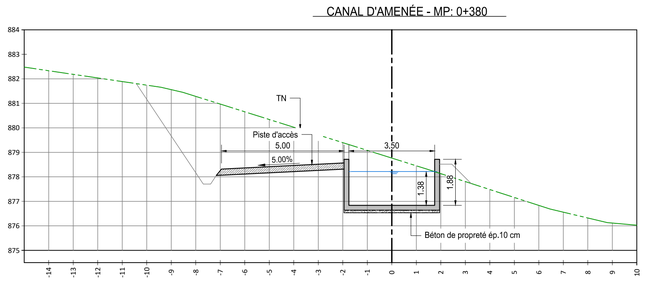
CANAL D'AMENÉE - MP: 0+310



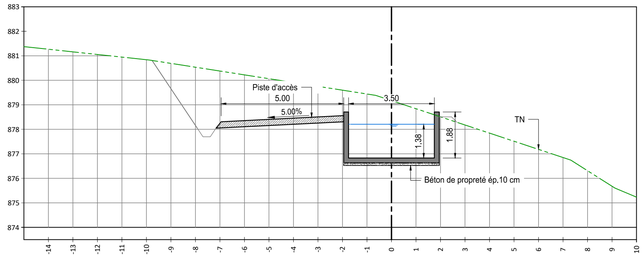

CANAL D'AMENÉE - MP: 0+330



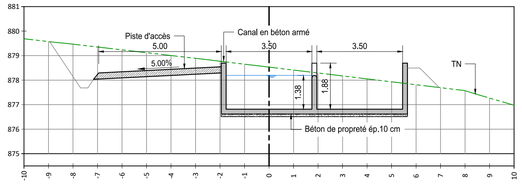

CANAL D'AMENÉE - MP: 0+380



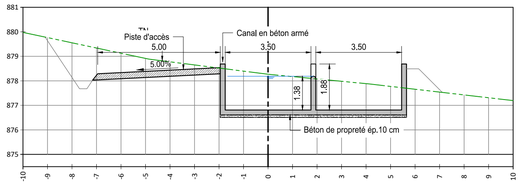

CANAL D'AMENÉE - MP: 0+400




CANAL D'AMENÉE - MP: 0+420




CANAL D'AMENÉE - MP: 0+440




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Dalle de couveture | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

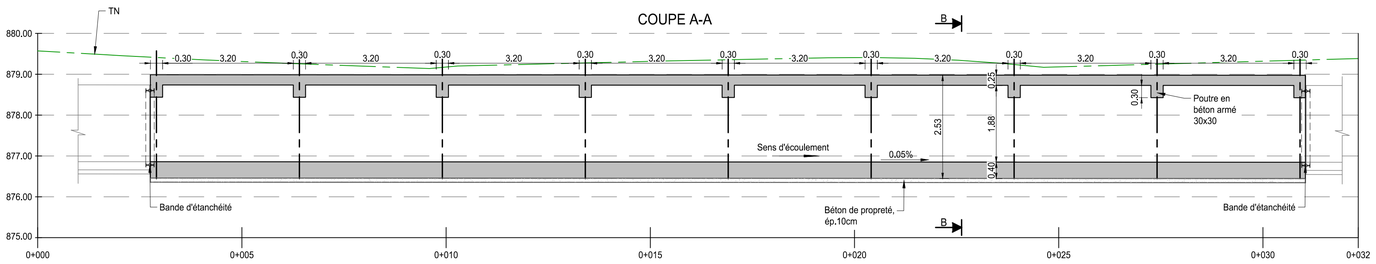
| | |
|---|---|
| REF. | PT-OM-03.4 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/125 |
| DATE | 06-2025 |

APD Kaburantwa

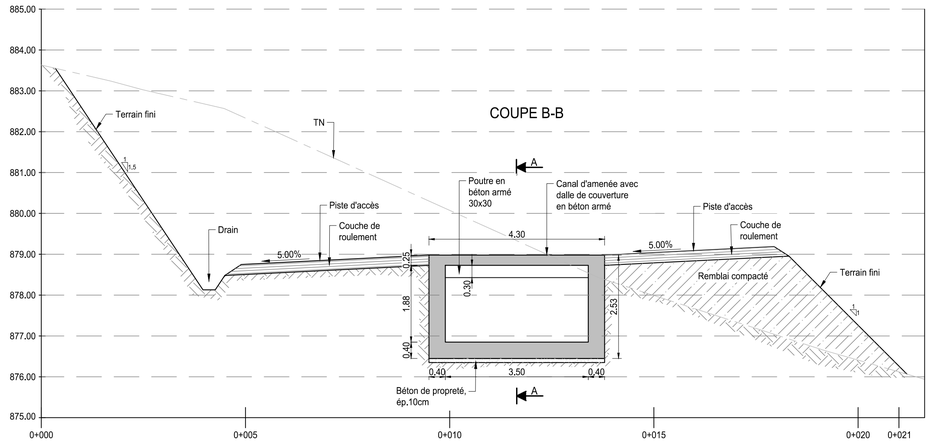
KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

CANAL AMENÉE - SECTIONS EN TRAVERS PM 0+310 - 0+440

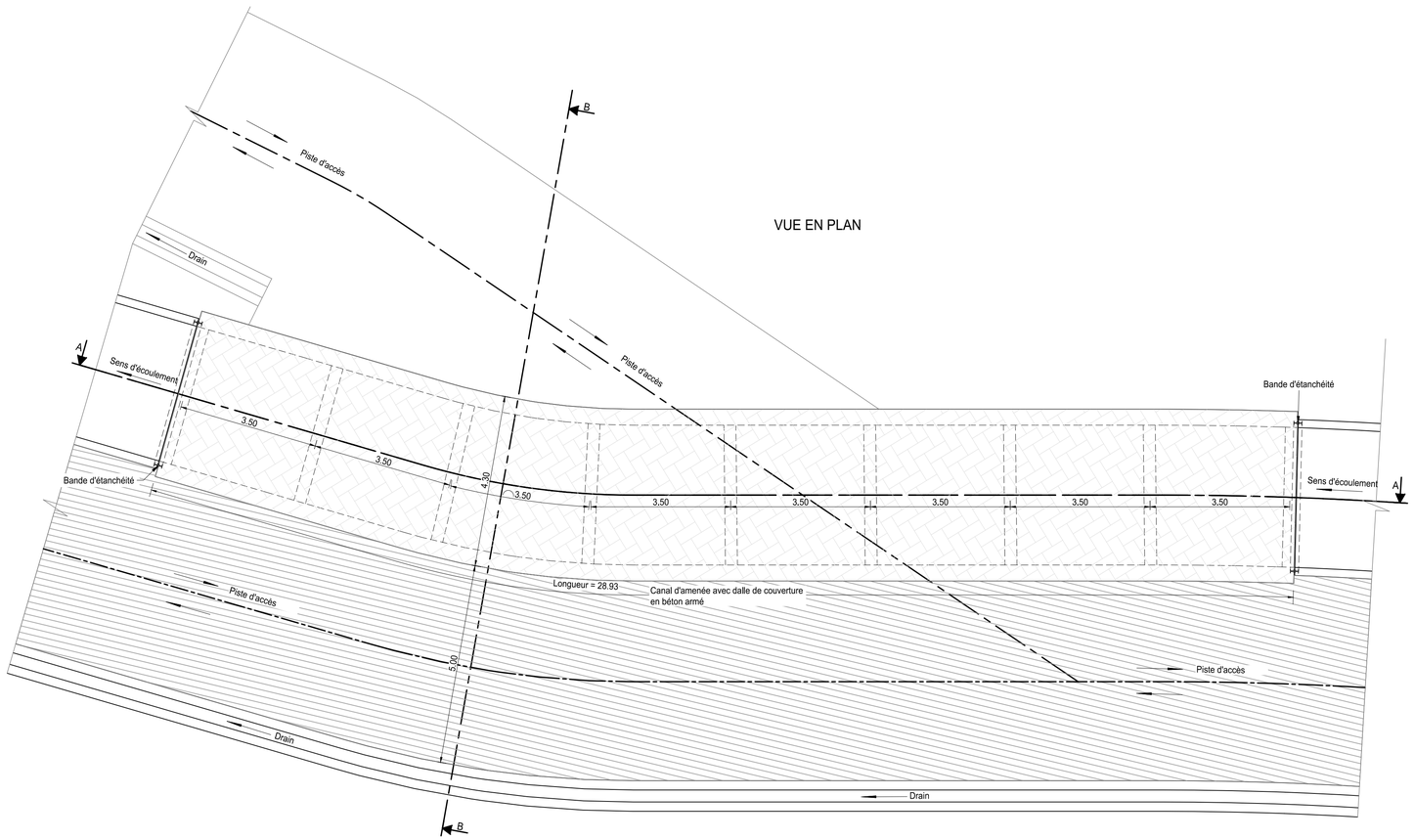
## COUPE A-A




## COUPE B-B




## VUE EN PLAN




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Dalle de couveture | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

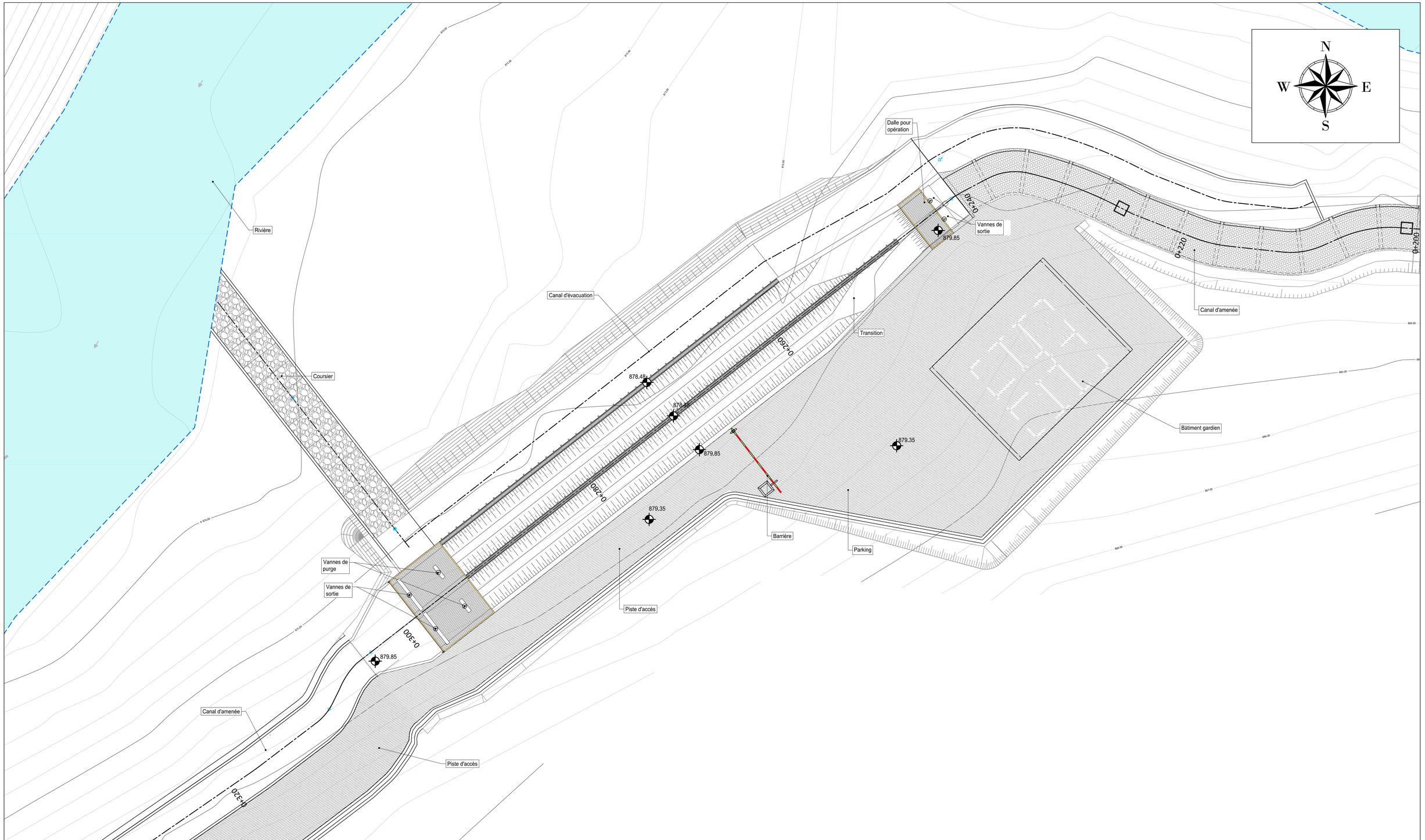
*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

| | |
|---|---|
| REF. | PT-OM-03.5 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/125 |
| DATE | 06-2025 |

APD Kaburantwa

KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

CANAL AMENÉE - FRANCHISSEMENT PAR LA PISTE - PLAN ET COUPES




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Dalle de couveture | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

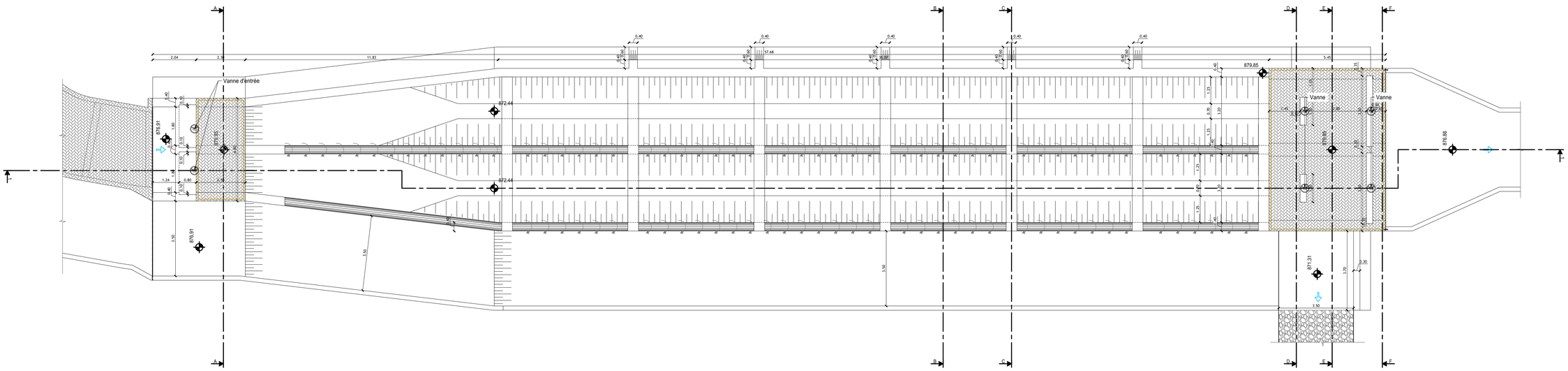
| | |
|---|---|
| REF. | PT-OM-04.1 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/150 |
| DATE | 06-2025 |

APD Kaburantwa

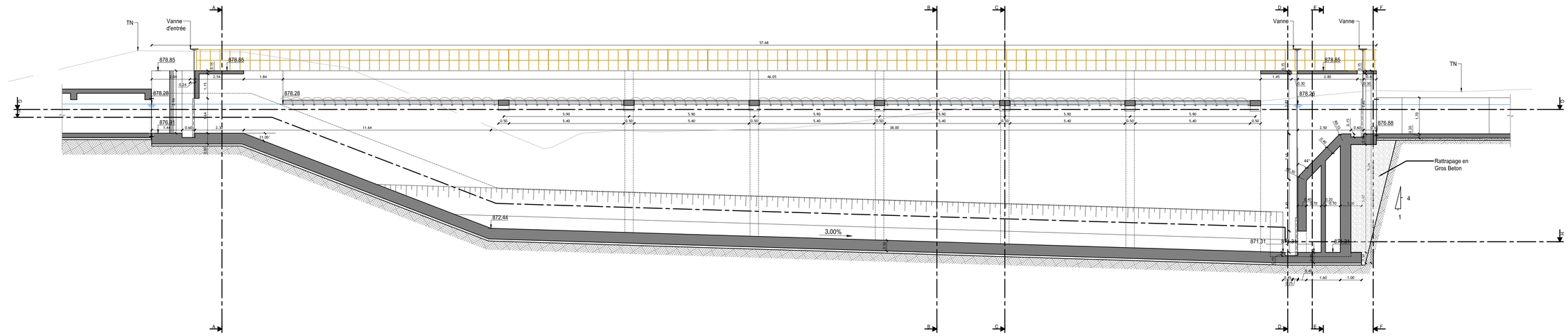
KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

DESSABLEUR - IMPLANTATION

VUE EN PLAN




SECTION 1-1




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Dalle de couveture | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

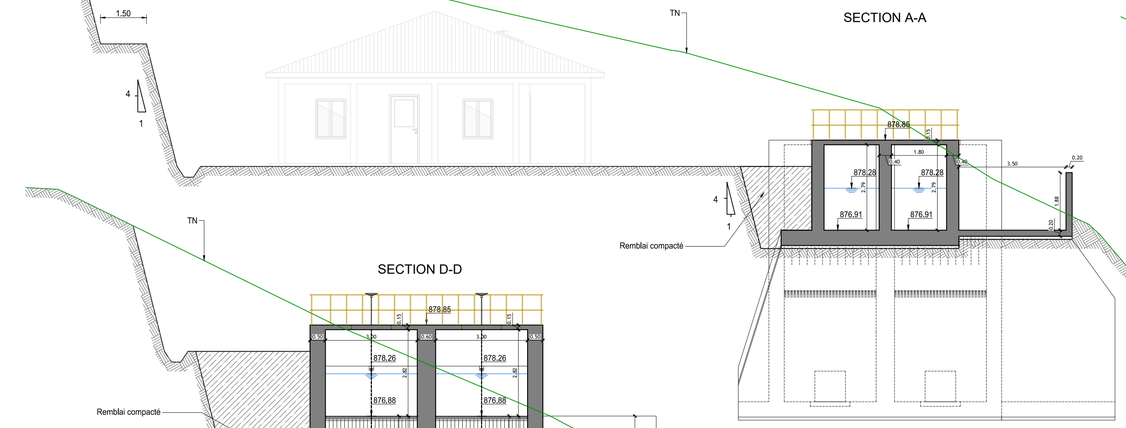
| | |
|---|---|
| REF. | PT-OM-04.2 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/100 |
| DATE | 06-2025 |

APD Kaburantwa

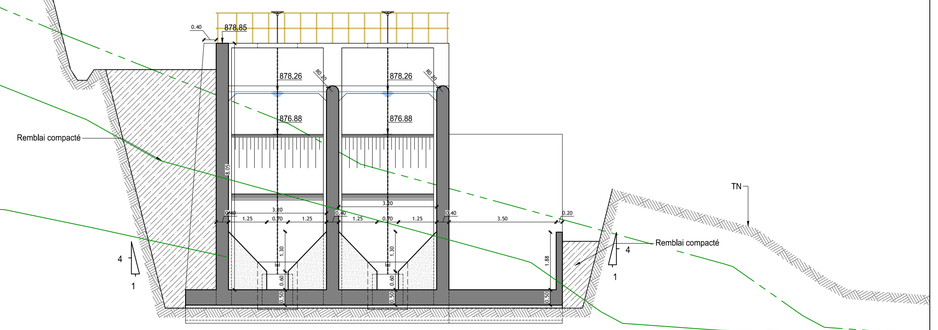
KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

DESSABLEUR - PLAN ET COUPE LONGITUDINALE

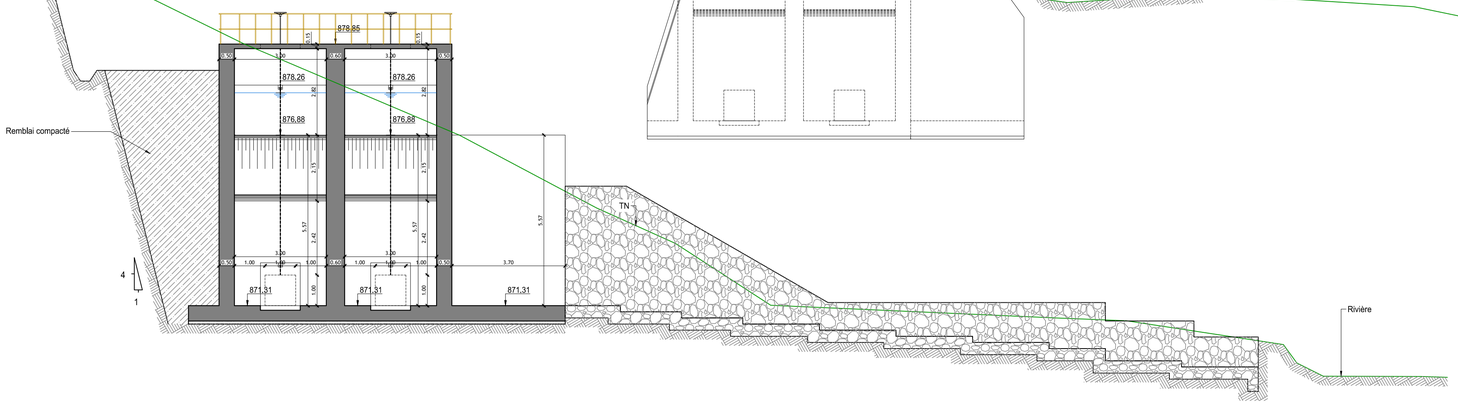
SECTION A-A



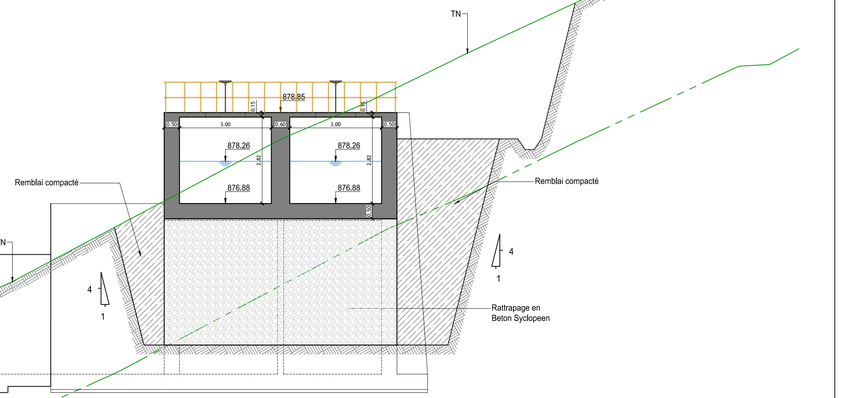

SECTION B-B



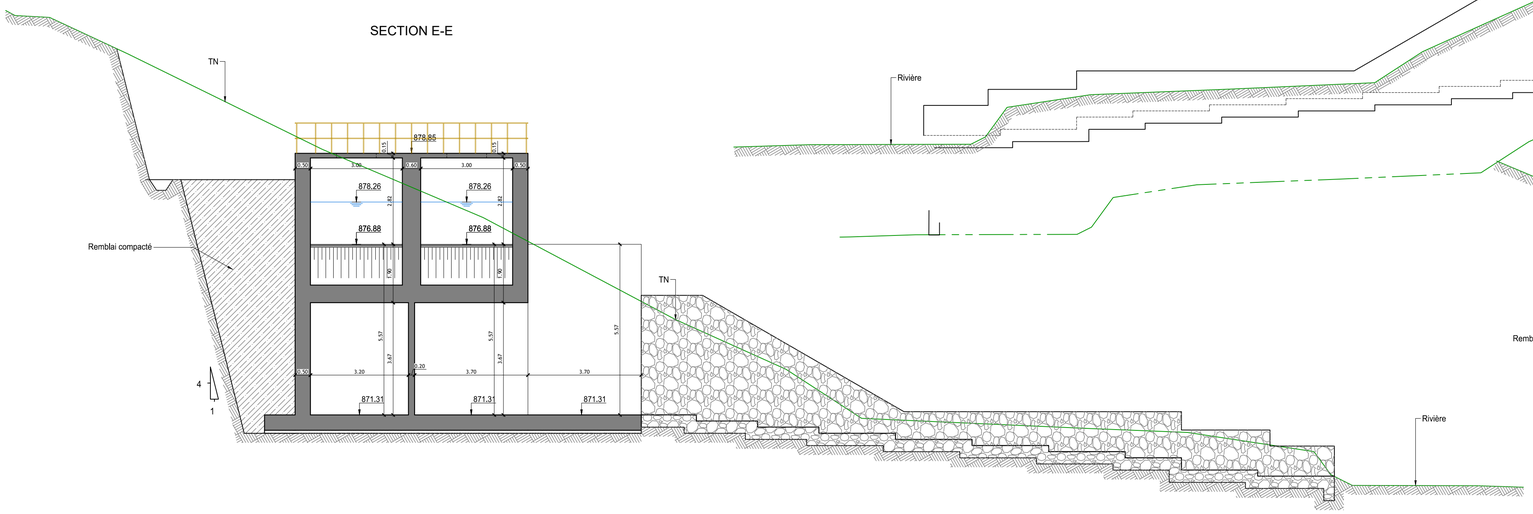

SECTION D-D



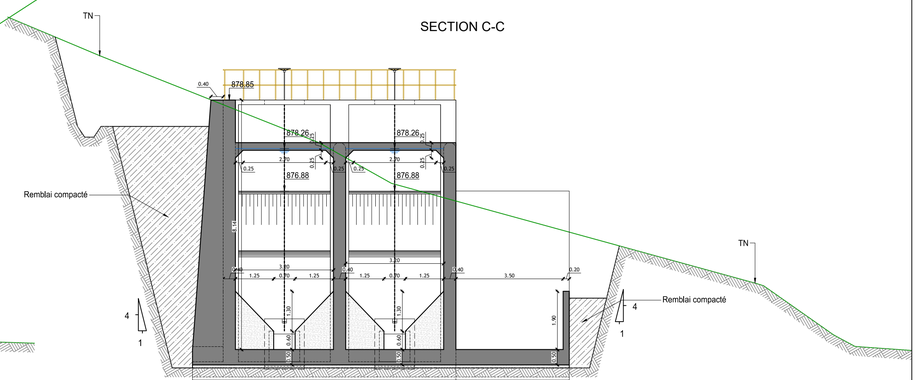

SECTION F-F




SECTION E-E




SECTION C-C




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Dalle de couveture | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

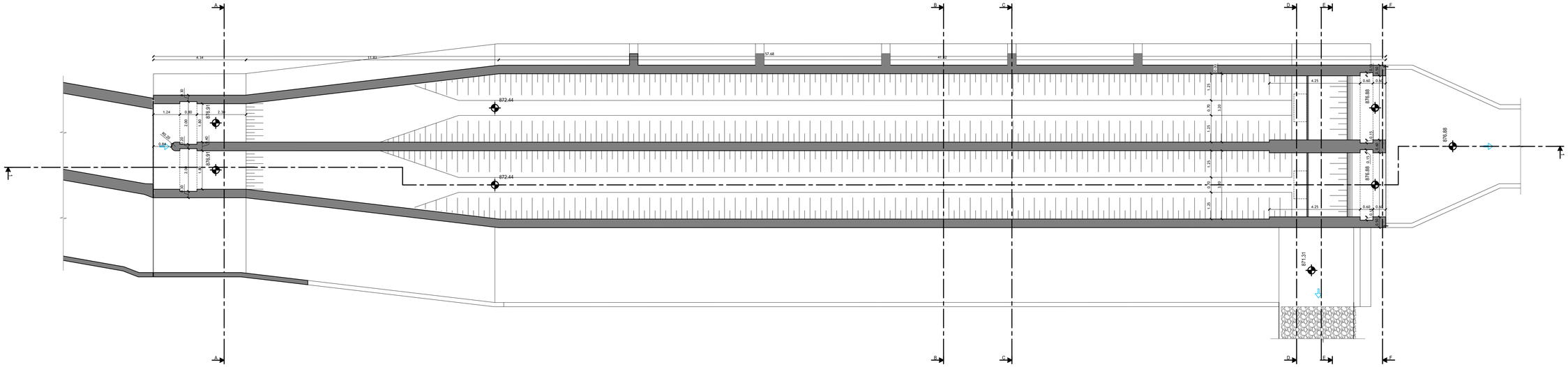
| | |
|---|---|
| REF. | PT-OM-04.3 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/100 |
| DATE | 06-2025 |

APD Kaburantwa

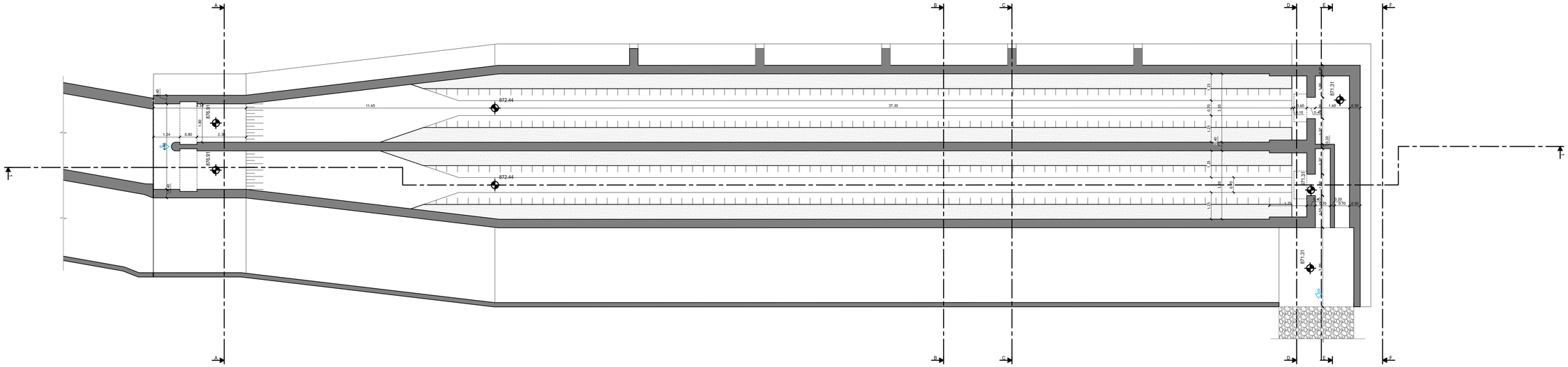
KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

DESSABLEUR - COUPES A, B, C, D, E

## SECTION G-G




## SECTION H-H




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Dalle de couveture | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

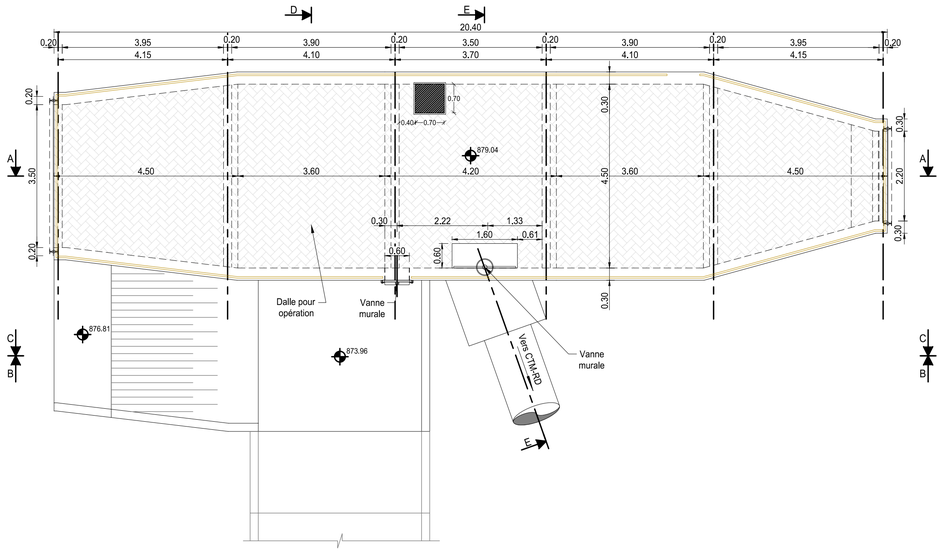
| | |
|---|---|
| REF. | PT-OM-04.4 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/100 |
| DATE | 06-2025 |

APD Kaburantwa

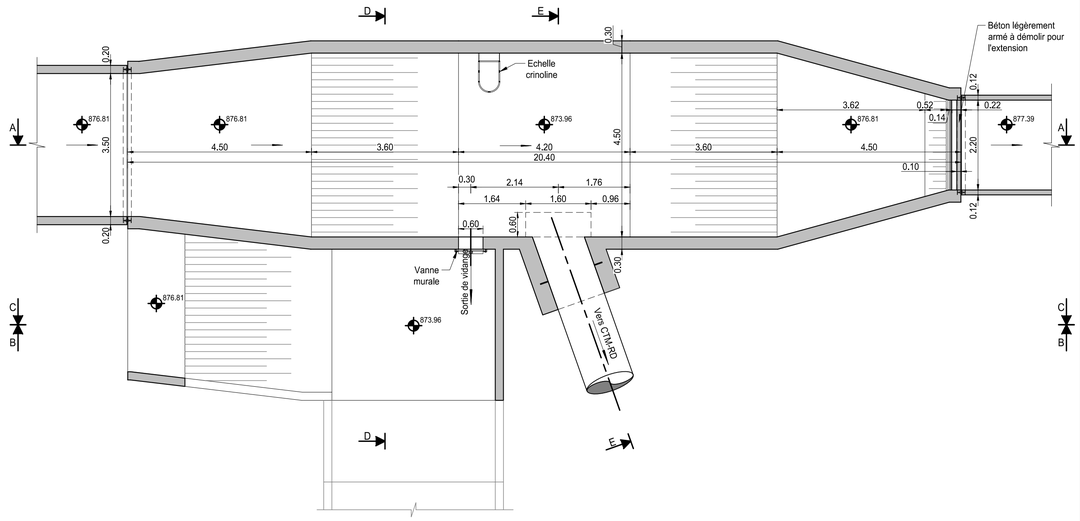
KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

DESSABLEUR - COUPES F ET G

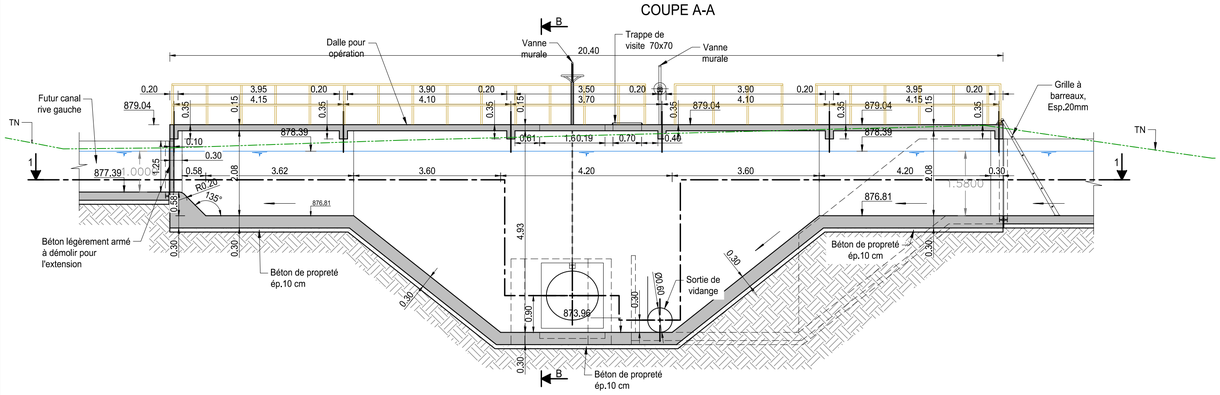
## VUE EN PLAN



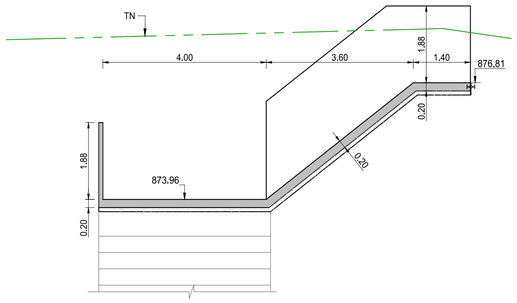

## COUPE 1-1



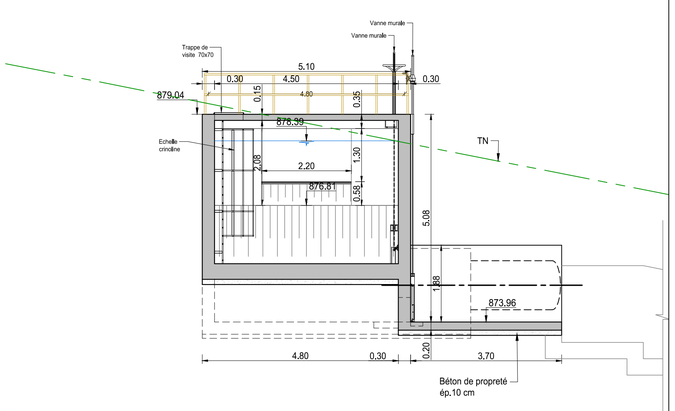

## COUPE A-A



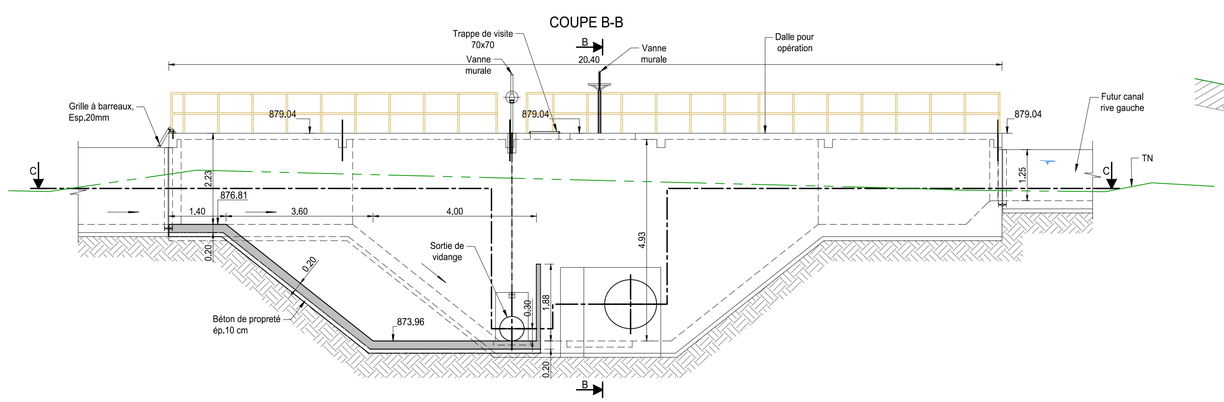

## COUPE C-C



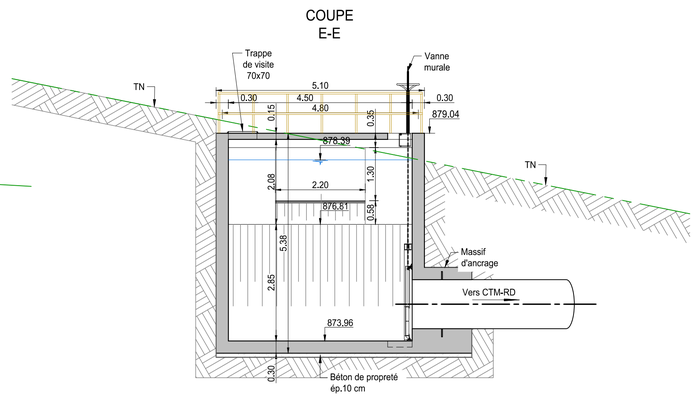

## COUPE D-D




## COUPE B-B




## COUPE E-E




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Dalle de couveture | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

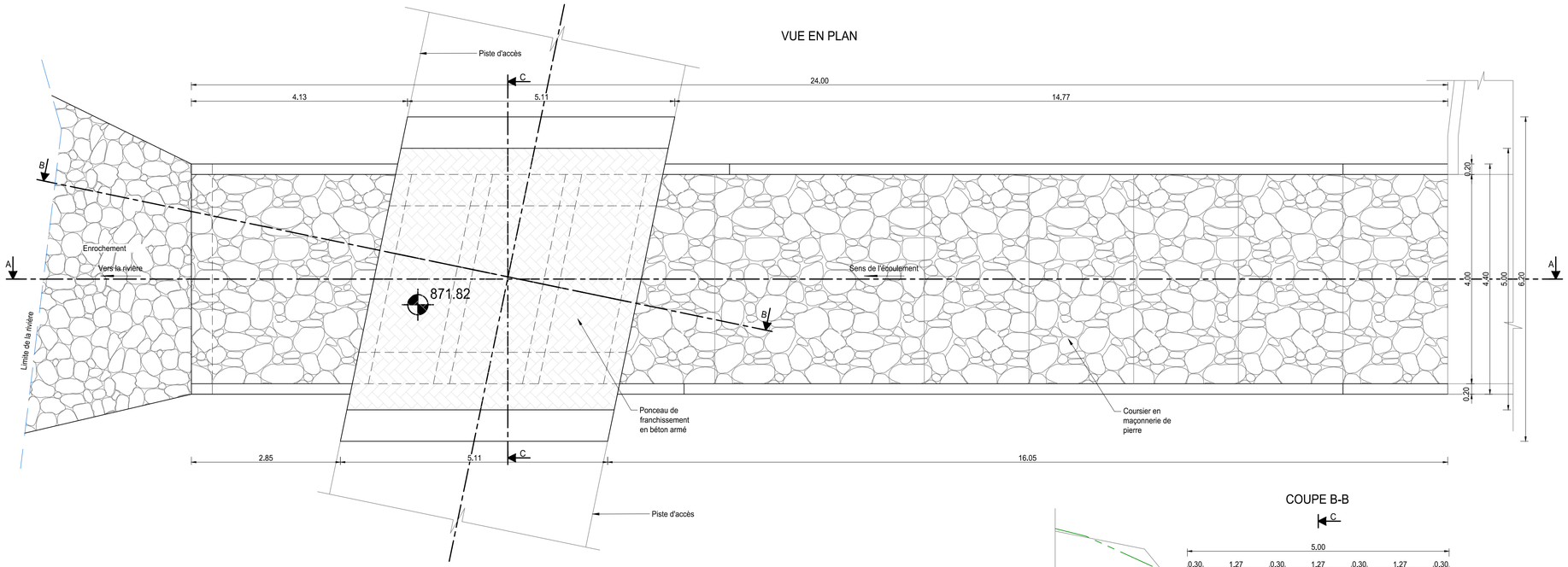
| | |
|---|---|
| REF. | PT-OM-05.1 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/125 |
| DATE | 06-2025 |

APD Kaburantwa

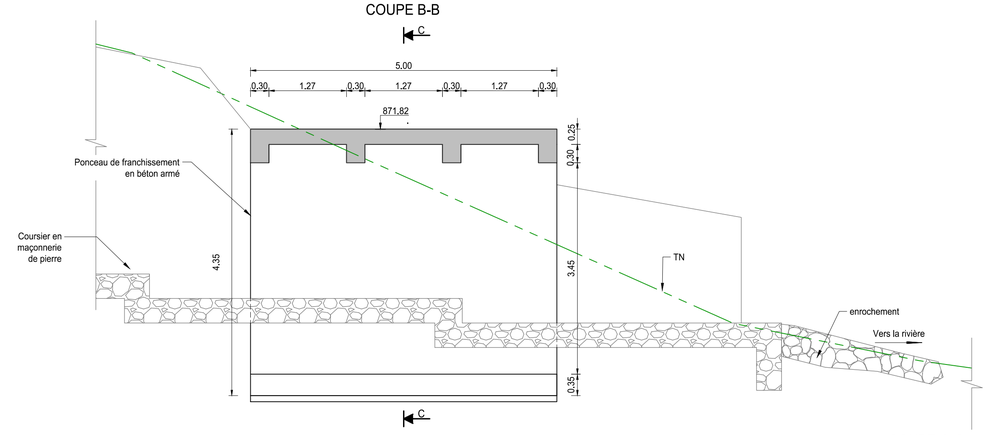
KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

PARTITEUR - VUE EN PLAN ET COUPES

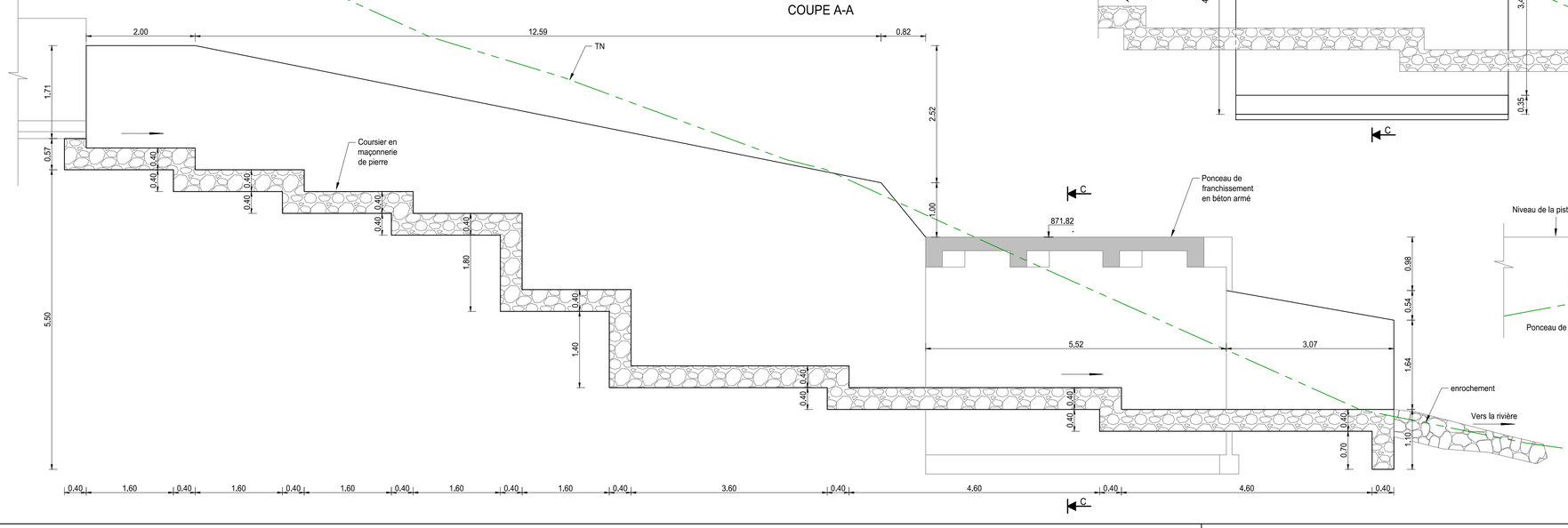
## VUE EN PLAN



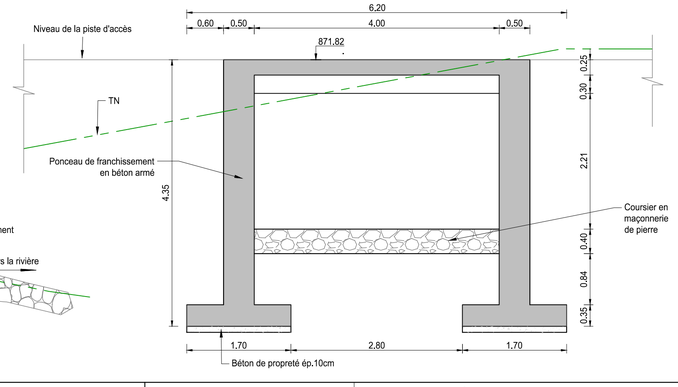

## COUPE B-B




## COUPE A-A




## COUPE C-C




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Dalle de couveture | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

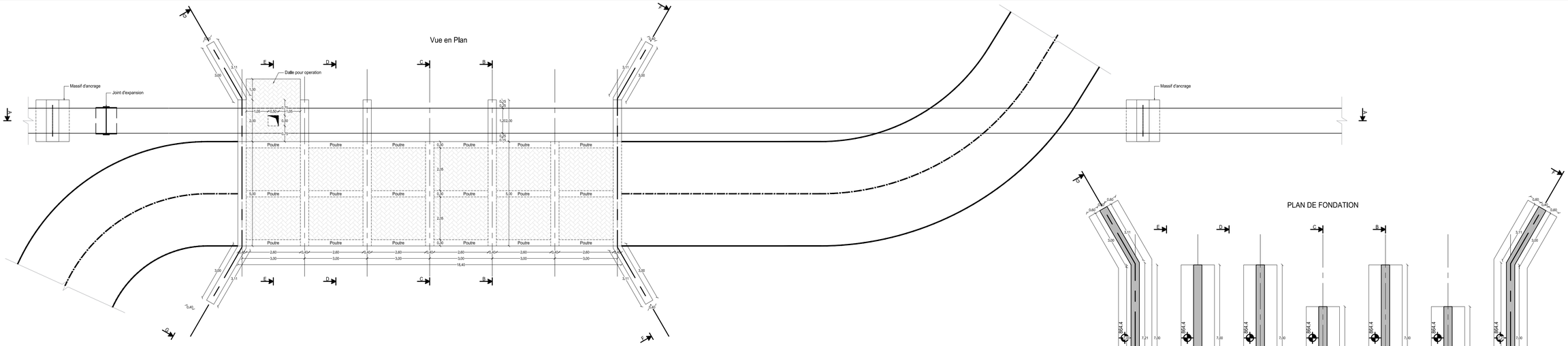
| | |
|---|---|
| REF. | PT-OM-05.2 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/125 |
| DATE | 06-2025 |

APD Kaburantwa

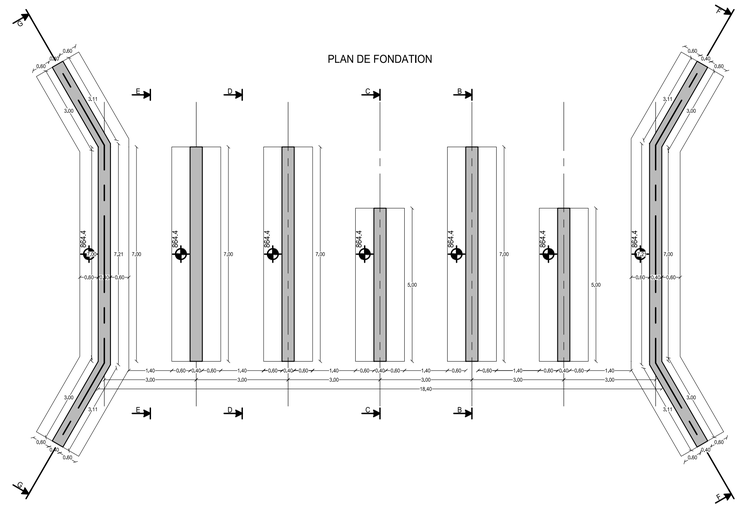
KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

COURSIER DU PARTITEUR -VUE EN PLAN ET COUPES

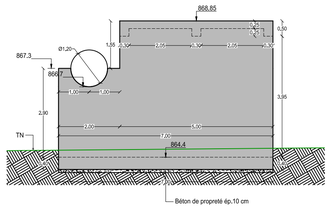
## Vue en Plan



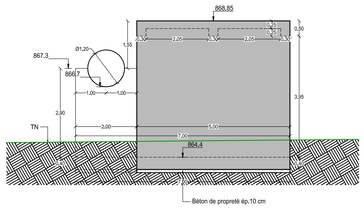

## PLAN DE FONDATION



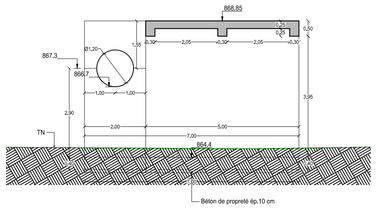

## COUPE B-B



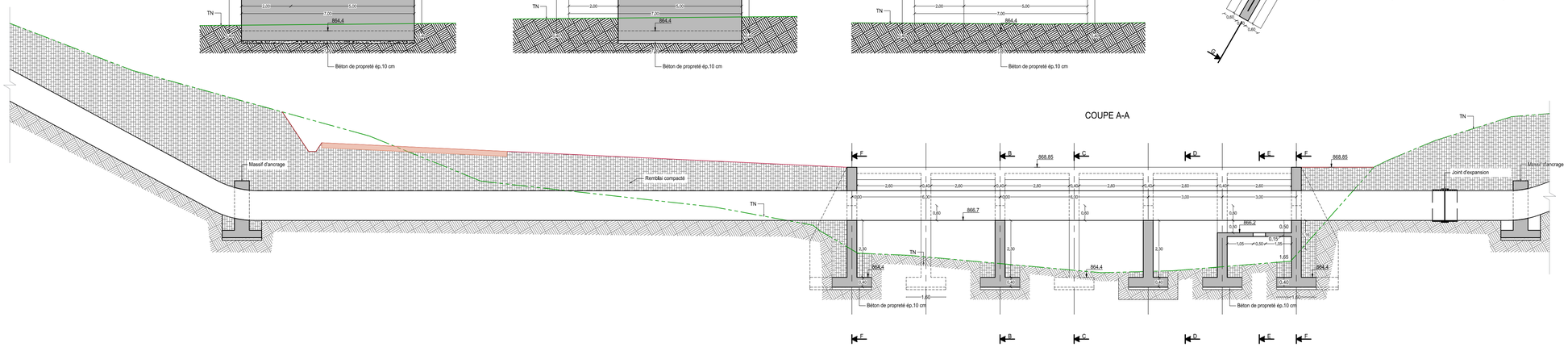

## COUPE C-C



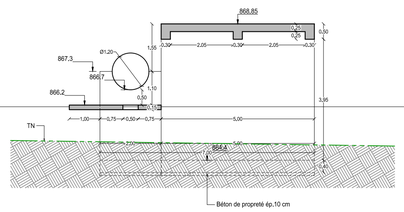

## COUPE D-D



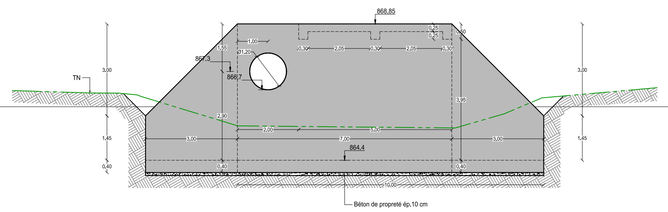

## COUPE A-A



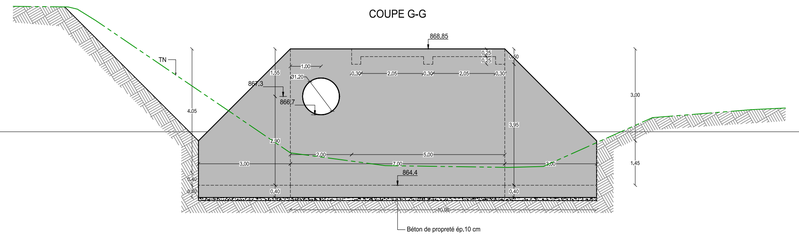

## COUPE E-E




## COUPE F-F




## COUPE G-G





SHER GROUPE ARTELIA

15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

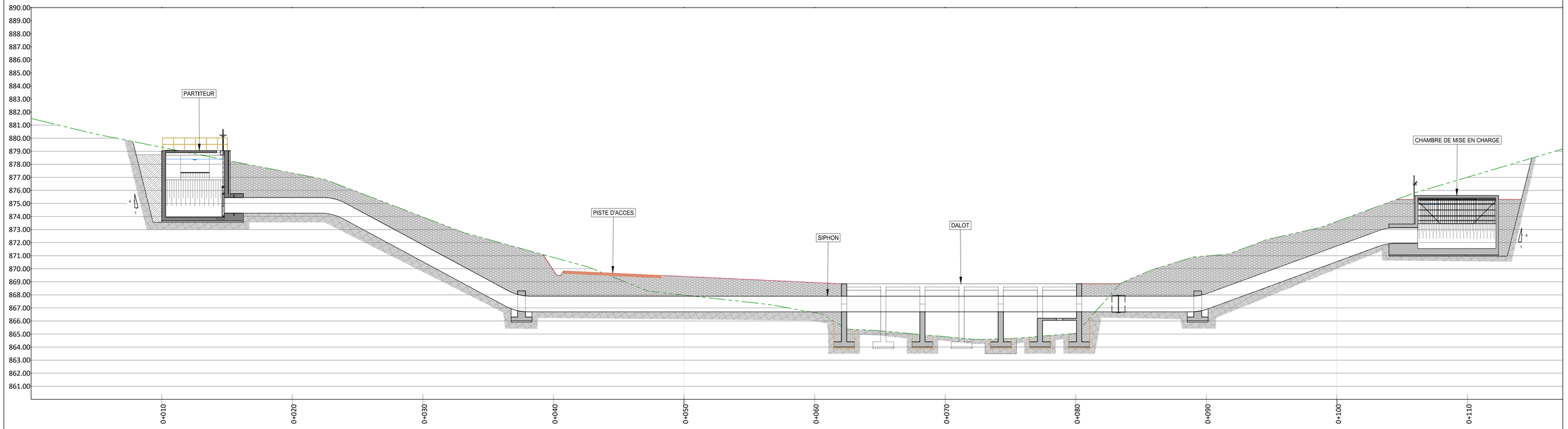
*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

| | |
|---|---|
| REF. | PT-OM-06.1 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/125 |
| DATE | 06-2025 |

APD Kaburantwa

KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

DALOT ET SIPHON - KABURANTWA - VU EN PLAN ET COUPES




SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

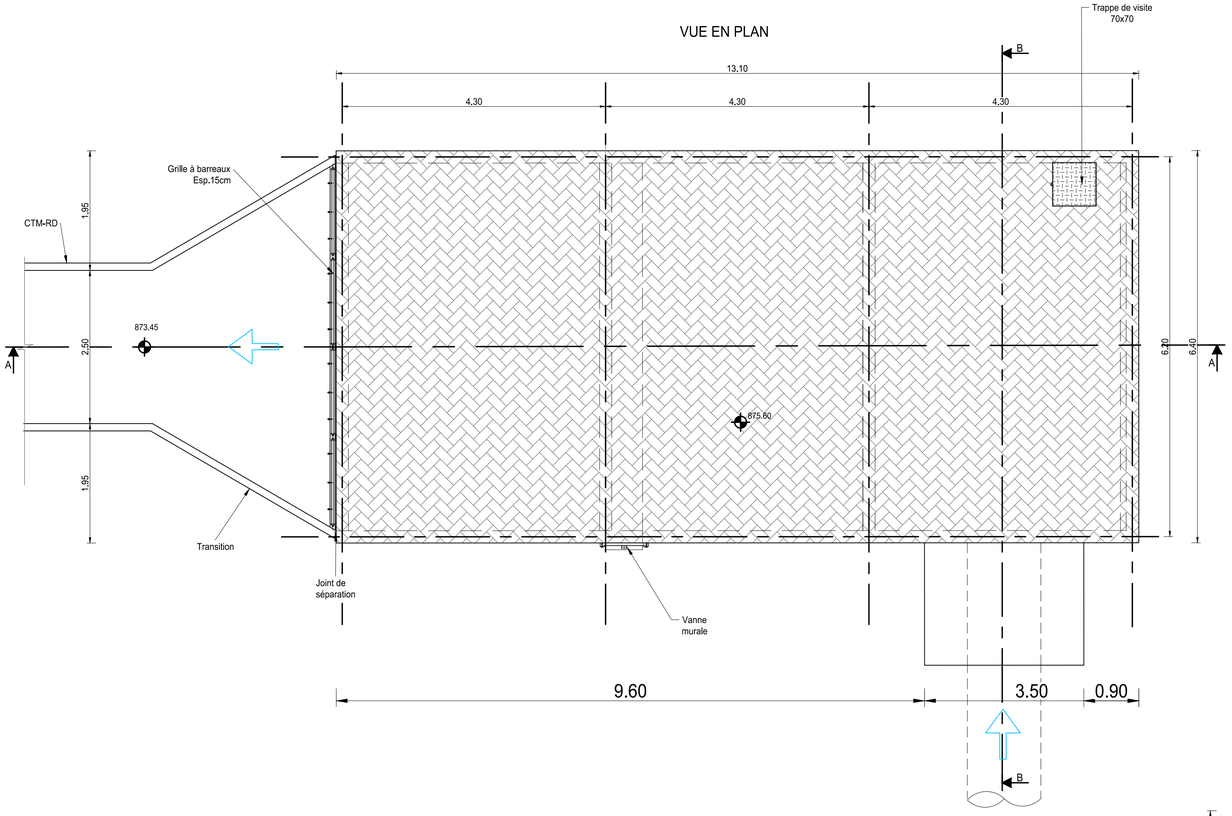
| | |
|---|---|
| REF. | PT-OM-06.2 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/125 |
| DATE | 06-2025 |

APD Kaburantwa

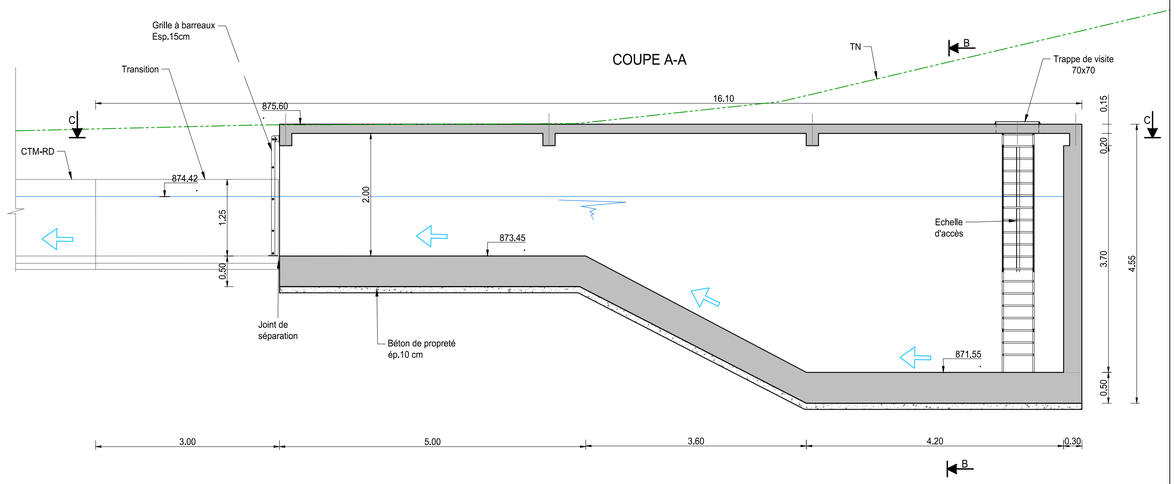
KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

DALOT ET SIPHON - KABURANTWA - PROFIL EN LONG

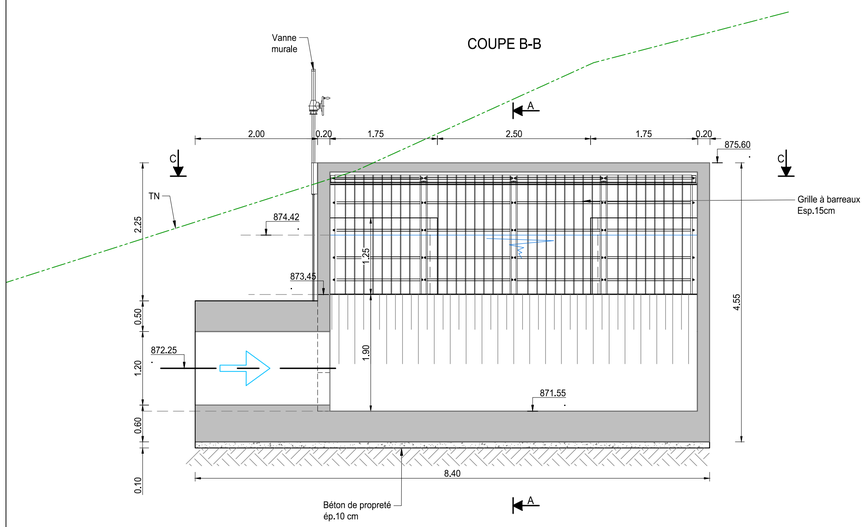
## VUE EN PLAN



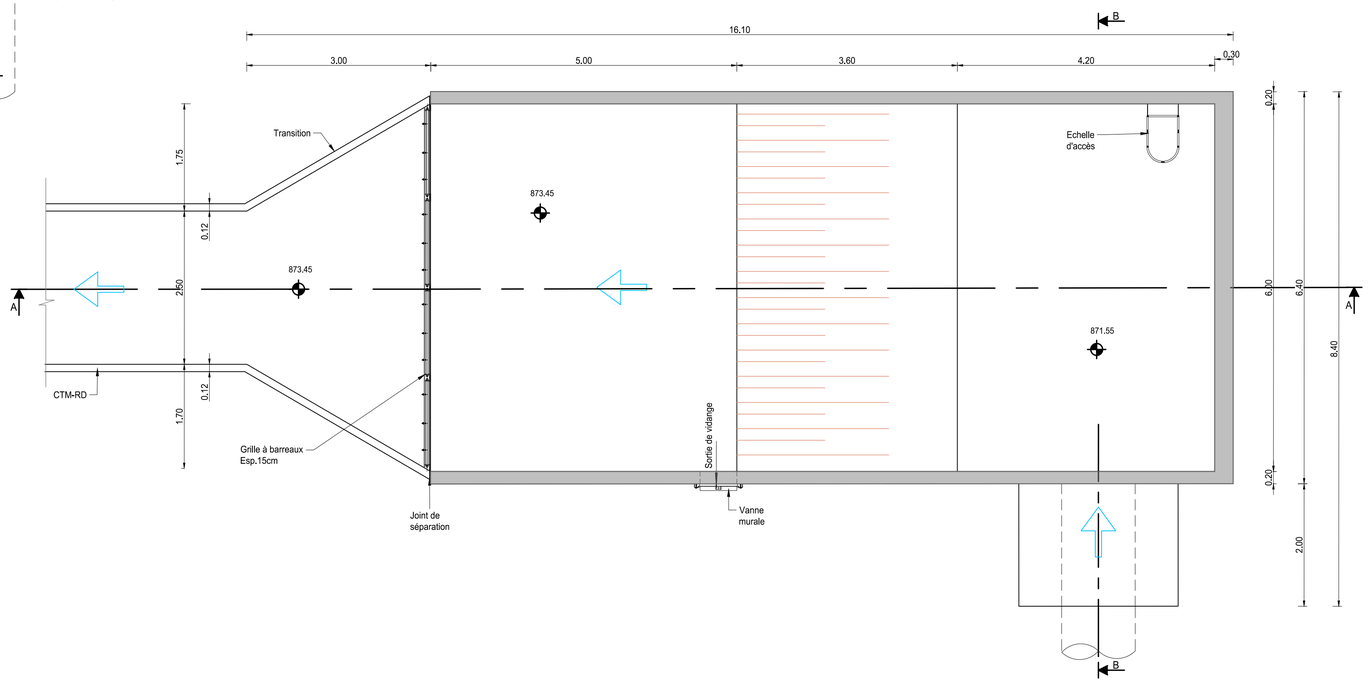

## COUPE A-A




## COUPE B-B




## COUPE C-C




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Dalle de couveture | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

| | |
|---|---|
| REF. | PT-OM-07.2 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/125 |
| DATE | 06-2025 |

APD Kaburantwa

KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

SIPHON KABURANTWA - CHAMBRE DE DÉCHARGE




SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI

ENABEL

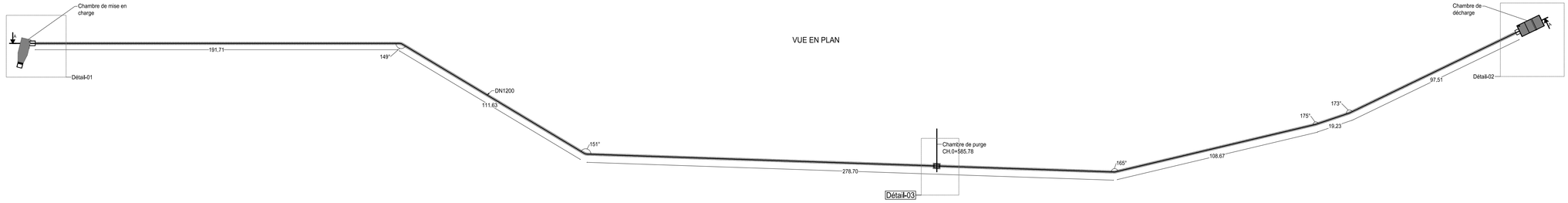
*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

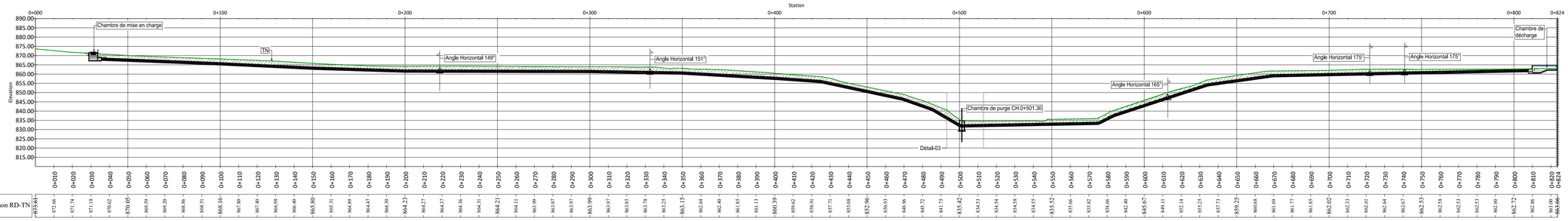
| | |
|---|---|
| REF. | PT-OM-08.1 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/600 |
| DATE | 06-2025 |

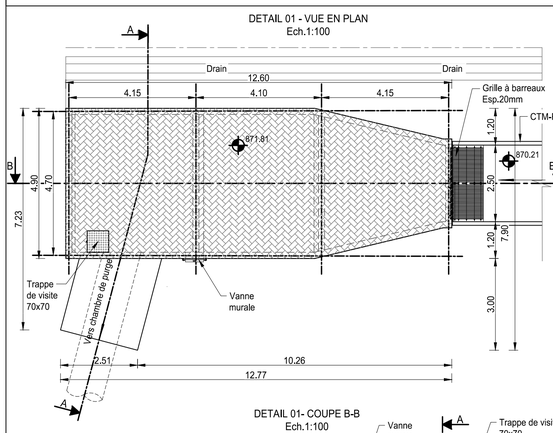
APD Kaburantwa

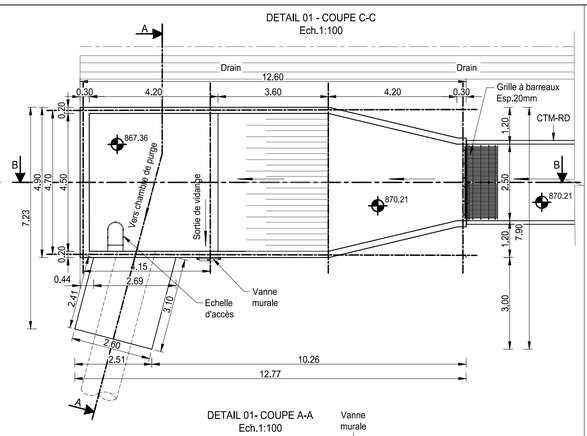
KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

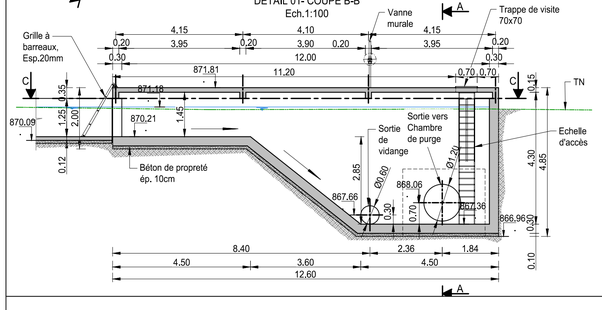
SIPHON KAGENGWA - VUE D'ENSEMBLE

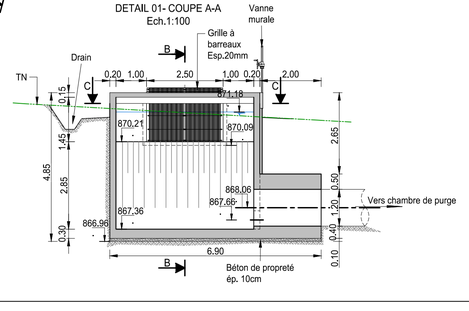


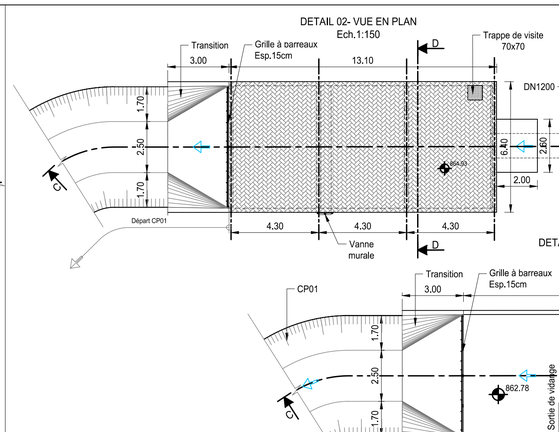



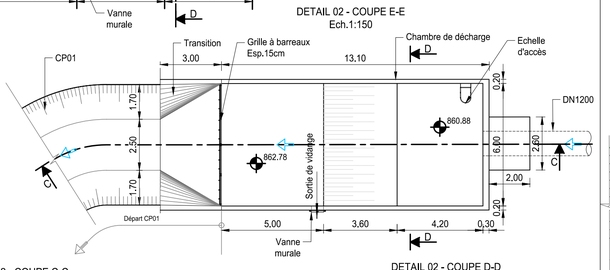



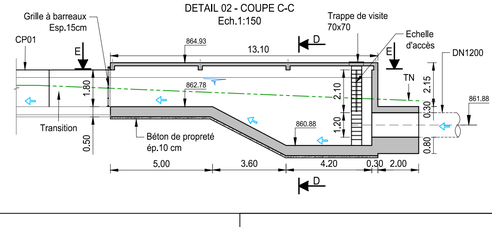



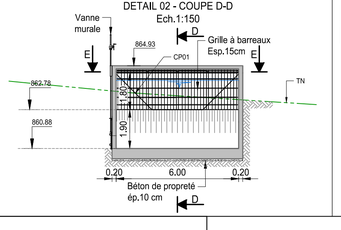



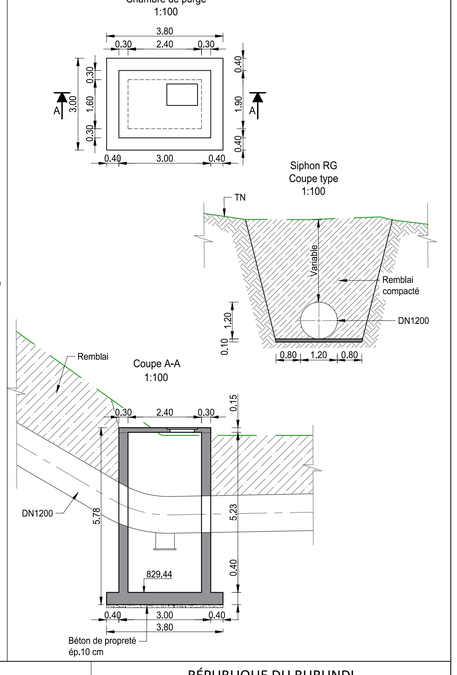




Légende

- Béton armé
- Béton de propreté
- Maçonnerie
- Talus
- Dalle de couveture
- Remblai compacté
- Fouille


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI

ENABEL

*PROJET SYSTÈMES ALIMENDAIRES DURABLES*

| | |
|---|---|
| REF. | PT-OM-08.2 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | Variable |
| DATE | 06-2025 |

APD Kaburantwa

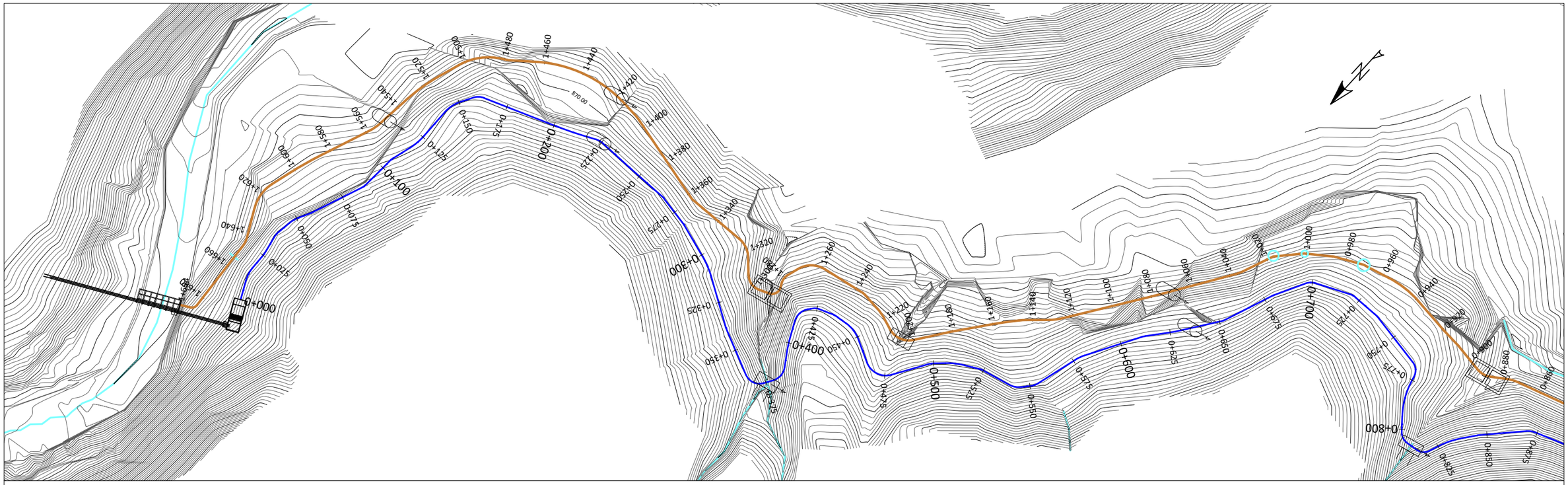
KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU

VUE D'ENSEMBLE

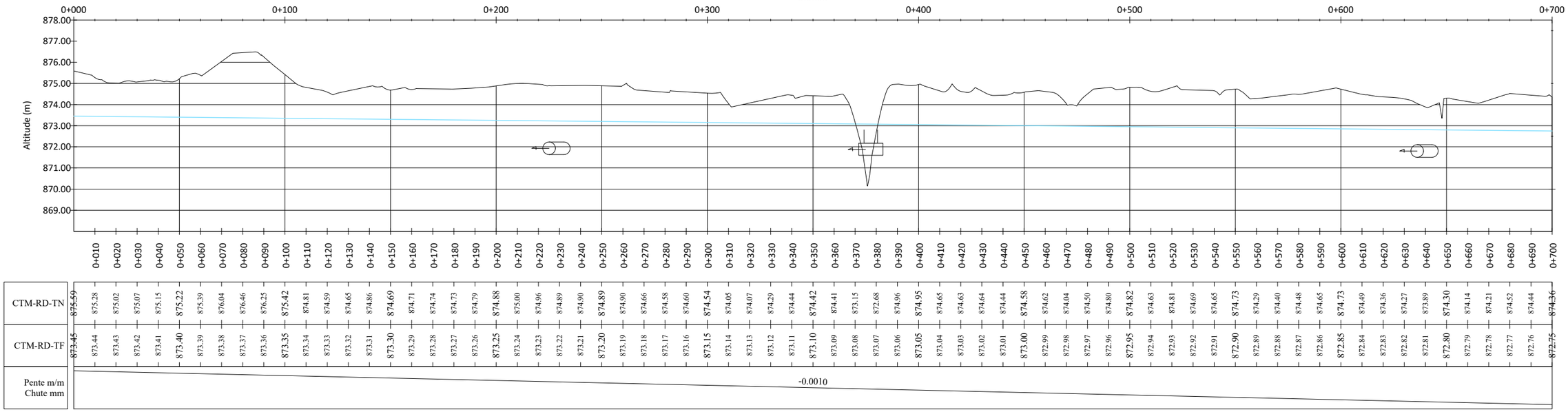
SIPHON KAGENGWA - VUE EN PLAN ET COUPES

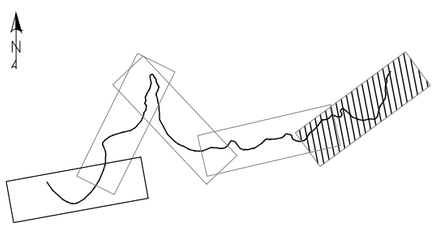
# Canal tête morte en rive droite CTM-RD

## Profils en long et en travers
## Ouvrages du canal tête morte



## Profil en long - CTM-RD



### PROFIL EN LONG

- TERRAIN NATUREL (TN):
- PROJET - TERRAIN FINI (TF) :

TERRAIN FINI CORRESPOND A LA COTE DE LA PLATEFORME DE LA PISTE. L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

### VUE EN PLAN

- COURBES DE NIVEAU PRIMAIRES :
- COURBES DE NIVEAU SECONDAIRES :
- CANAL D'AMENÉE:
- CANAL TÊTE MORTE:
- CANAL PRIMAIRE :
- CANAL SECONDAIRE :
- CANAL TERTIAIRE :

### VUE EN PLAN

- CANAL QUATERNAIRE :
- CANAL ARROSEUR :
- DRAIN PRIMAIRE :
- PISTE PRINCIPALE/ROUTE NATIONALE :
- PISTE SECONDAIRE/TRANSVERSALE :
- PISTE TERTIAIRE/RÉSIDENTIELLE
- PISTE RÉHABILITÉE
- RIVIÈRE/EMISSAIRE :
- LIMITE DE SECTEURS:
- ZONE HUMIDE, MARAIS :
- ZONE URBANISÉE :
- ZONE NON IRRIGABLE :

- BORNE : B#
- PRISE SUR ÉMISSAIRE (PREM) :
- PRISE POUR CANAL PRIMAIRE (PRCP) :
- PRISE DOUBLE POUR CANAL PRIMAIRE (PRCPX2) :
- PRISE POUR CANAL SECONDAIRE/TERTIAIRE (PRCS)/(PRCT) :
- PRISE POUR CANAL SECONDAIRE/TERTIAIRE DOUBLE (PRCSX2)/(PRCTX2) :
- PRISE POUR ARROSEUR (PRAR) :
- PRISE POUR ARROSEUR DOUBLE (PRARX2) :
- DÉVERSOIR DE SÉCURITÉ (DS) :
- DALOT POUR CANAL SOUS PISTE (DC) :
- DALOT SIMPLE (DP) :
- DALOT SIMPLE EXISTANT (DP-E) :
- BUSE POUR ARROSEUR :
- CHUTE VERTICALE (CH) :
- COURSIER (CS) :
- AQUEDUC (AQ) :
- PARTITEUR FIXE (PA) :
- PONT (PT) :
- PASSERELLE (PL) :
- SOURCE (SR):
- SIPHON :


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

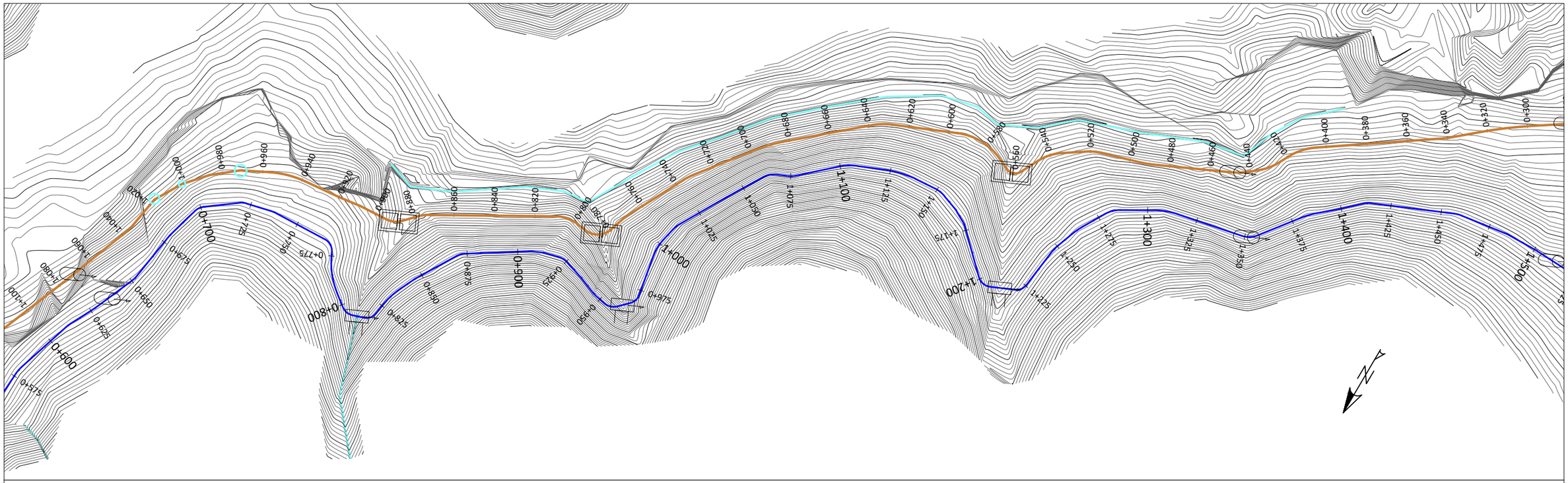
| | |
|---|---|
| REF. | PL-CTM-RD_PL-01 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | V : 1/200 - H : 1/2000 |
| DATE | 06-2025 |

APD KABURANTWA

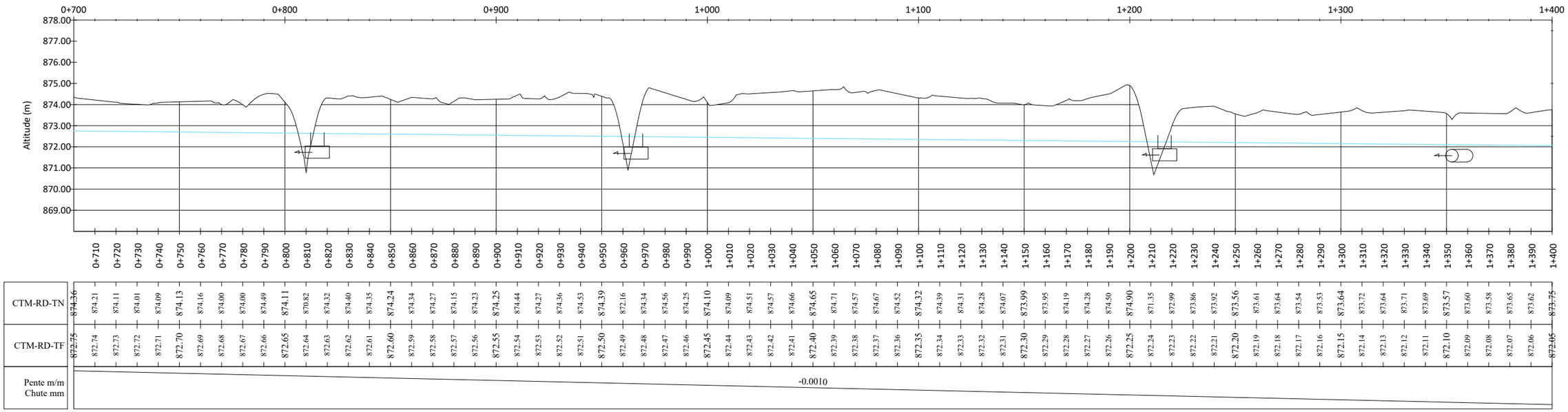
*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

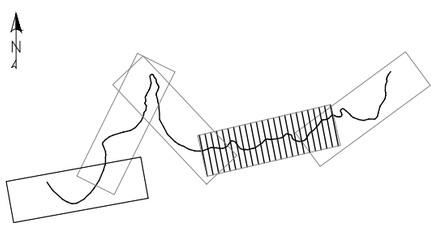
**PROFIL EN LONG & VUE EN PLAN**

CANAL CTM-RD _ PM 0+000 - 0+700



## Profil en long - CTM-RD



**PROFIL EN LONG**

- TERRAIN NATUREL (TN):
- PROJET - TERRAIN FINI (TF) :

TERRAIN FINI CORRESPOND A LA COTE DE LA PLATEFORME DE LA PISTE. L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

**VUE EN PLAN**

- COURBES DE NIVEAU PRIMAIRES :
- COURBES DE NIVEAU SECONDAIRES :
- CANAL D'AMENÉE:
- CANAL TÊTE MORTE:
- CANAL PRIMAIRE :
- CANAL SECONDAIRE :
- CANAL TERTIAIRE :

**VUE EN PLAN**

- CANAL QUATERNAIRE :
- CANAL ARROSEUR :
- DRAIN PRIMAIRE :
- PISTE PRINCIPALE/ROUTE NATIONALE :
- PISTE SECONDAIRE/TRANSVERSALE :
- PISTE TERTIAIRE/RÉSIDENTIELLE
- PISTE RÉHABILITÉE
- RIVIÈRE/EMISSAIRE :
- LIMITE DE SECTEURS:
- ZONE HUMIDE, MARAIS :
- ZONE URBANISÉE :
- ZONE NON IRRIGABLE :

- BORNE : B#
- PRISE SUR ÉMISSAIRE (PREM) :
- PRISE POUR CANAL PRIMAIRE (PRCP) :
- PRISE DOUBLE POUR CANAL PRIMAIRE (PRCPX2) :
- PRISE POUR CANAL SECONDAIRE/TERTIAIRE (PRCS)/(PRCT) :
- PRISE POUR CANAL SECONDAIRE/TERTIAIRE DOUBLE (PRCSX2)/(PRCTX2) :
- PRISE POUR ARROSEUR (PRAR) :
- PRISE POUR ARROSEUR DOUBLE (PRARX2) :
- DÉVERSOIR DE SÉCURITÉ (DS) :
- DALOT POUR CANAL SOUS PISTE (DC) :
- DALOT SIMPLE (DP) :
- DALOT SIMPLE EXISTANT (DP-E) :
- BUSE POUR ARROSEUR :
- CHUTE VERTICALE (CH) :
- COURSIER (CS) :
- AQUEDUC (AQ) :
- PARTITEUR FIXE (PA) :
- PONT (PT) :
- PASSERELLE (PL) :
- SOURCE (SR):
- SIPHON :


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

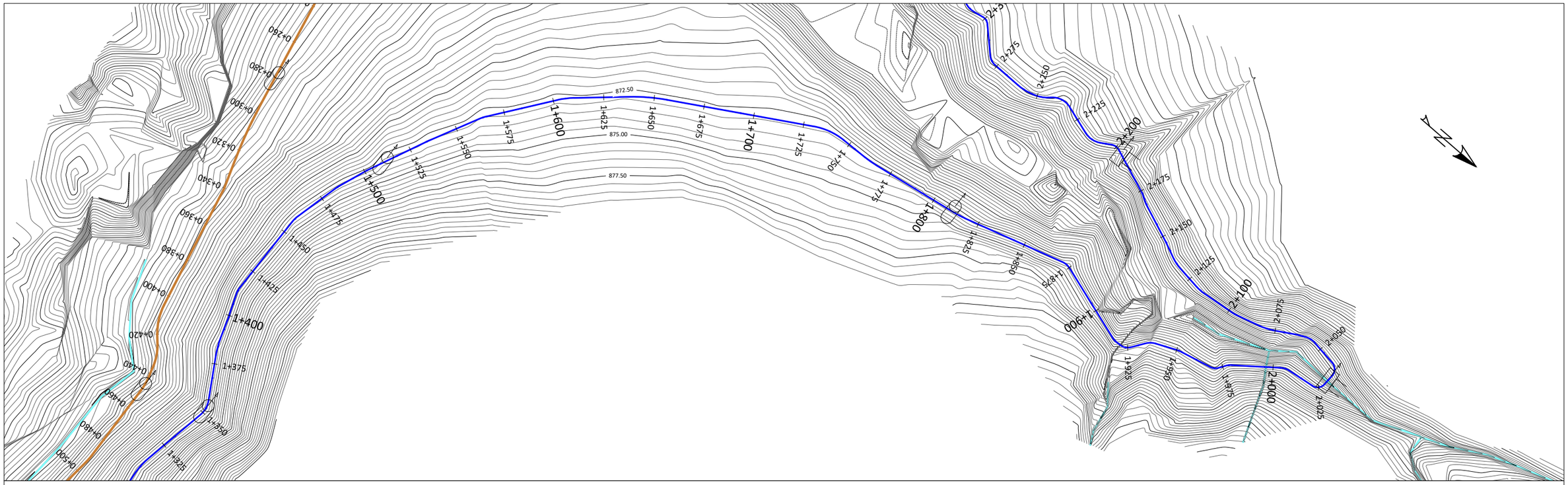
| | |
|---|---|
| REF. | PL-CTM-RD_PL-02 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | V : 1/200 - H : 1/2000 |
| DATE | 06-2025 |

APD KABURANTWA

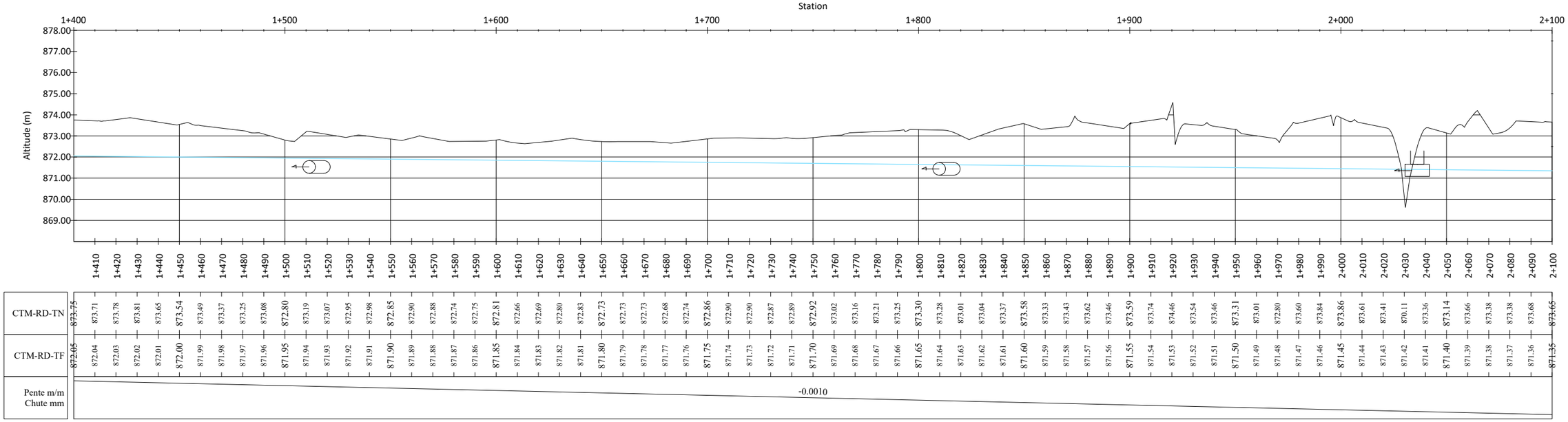
*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

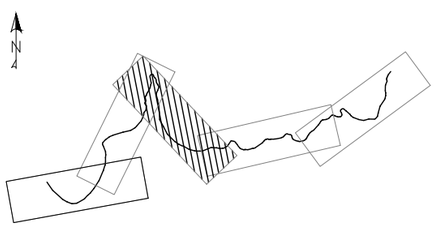
**PROFIL EN LONG & VUE EN PLAN**

CANAL CTM-RD _ PM 0+700 - 1+400




## Profil en long - CTM-RD




**PROFIL EN LONG**

- TERRAIN NATUREL (TN):
- PROJET - TERRAIN FINI (TF) :

TERRAIN FINI CORRESPOND A LA COTE DE LA PLATEFORME DE LA PISTE. L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

**VUE EN PLAN**

- COURBES DE NIVEAU PRIMAIRES :
- COURBES DE NIVEAU SECONDAIRES :
- CANAL D'AMENÉE:
- CANAL TÊTE MORTE:
- CANAL PRIMAIRE :
- CANAL SECONDAIRE :
- CANAL TERTIAIRE :

**VUE EN PLAN**

- CANAL QUATERNAIRE :
- CANAL ARROSEUR :
- DRAIN PRIMAIRE :
- PISTE PRINCIPALE/ROUTE NATIONALE :
- PISTE SECONDAIRE/TRANSVERSALE :
- PISTE TERTIAIRE/RÉSIDENTIELLE
- PISTE RÉHABILITÉE
- RIVIÈRE/EMISSAIRE :
- LIMITE DE SECTEURS:
- ZONE HUMIDE, MARAIS :
- ZONE URBANISÉE :
- ZONE NON IRRIGABLE :

- BORNE : B#
- PRISE SUR ÉMISSAIRE (PREM) :
- PRISE POUR CANAL PRIMAIRE (PRCP) :
- PRISE DOUBLE POUR CANAL PRIMAIRE (PRCPX2) :
- PRISE POUR CANAL SECONDAIRE/TERTIAIRE (PRCS)/(PRCT) :
- PRISE POUR CANAL SECONDAIRE/TERTIAIRE DOUBLE (PRCSX2)/(PRCTX2) :
- PRISE POUR ARROSEUR (PRAR) :
- PRISE POUR ARROSEUR DOUBLE (PRARX2) :
- DÉVERSOIR DE SÉCURITÉ (DS) :
- DALOT POUR CANAL SOUS PISTE (DC) :
- DALOT SIMPLE (DP) :
- DALOT SIMPLE EXISTANT (DP-E) :
- BUSE POUR ARROSEUR :
- CHUTE VERTICALE (CH) :
- COURSIER (CS) :
- AQUEDUC (AQ) :
- PARTITEUR FIXE (PA) :
- PONT (PT) :
- PASSERELLE (PL) :
- SOURCE (SR):
- SIPHON :


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

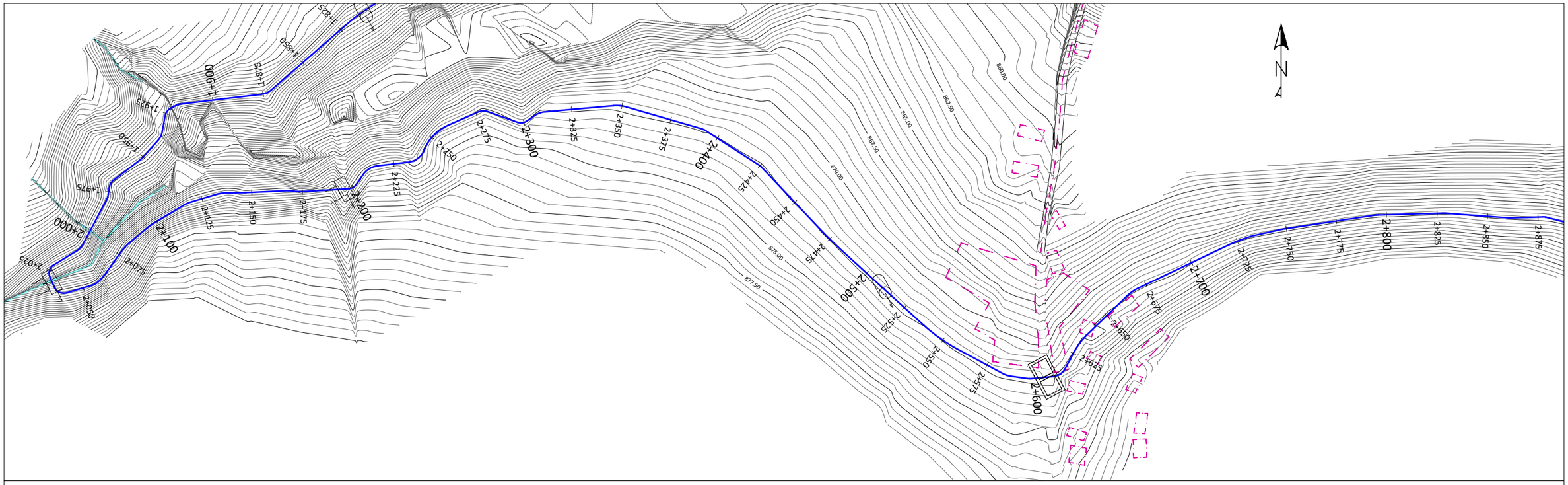
| | |
|---|---|
| REF. | PL-CTM-RD_PL-03 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | V : 1/200 - H : 1/2000 |
| DATE | 06-2025 |

APD KABURANTWA

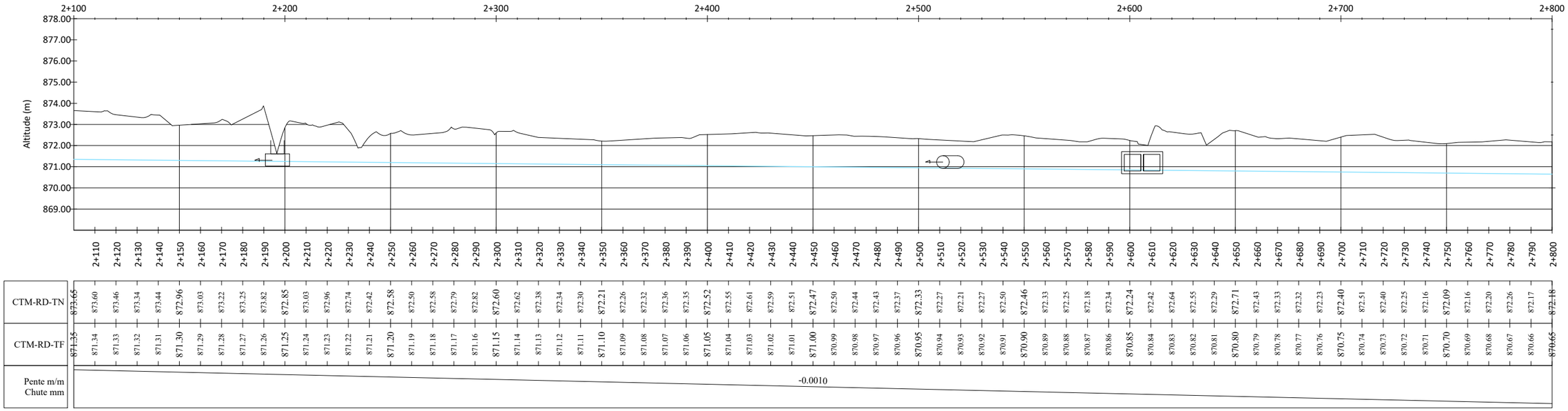
*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

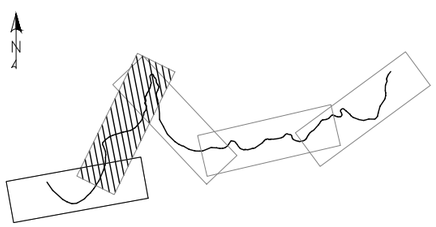
**PROFIL EN LONG & VUE EN PLAN**

CANAL CTM-RD _ PM 1+400 - 2+100




## Profil en long - CTM-RD




**PROFIL EN LONG**

- TERRAIN NATUREL (TN):
- PROJET - TERRAIN FINI (TF) :

TERRAIN FINI CORRESPOND A LA COTE DE LA PLATEFORME DE LA PISTE. L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

**VUE EN PLAN**

- COURBES DE NIVEAU PRIMAIRES :
- COURBES DE NIVEAU SECONDAIRES :
- CANAL D'AMENÉE:
- CANAL TÊTE MORTE:
- CANAL PRIMAIRE :
- CANAL SECONDAIRE :
- CANAL TERTIAIRE :

**VUE EN PLAN**

- CANAL QUATERNAIRE :
- CANAL ARROSEUR :
- DRAIN PRIMAIRE :
- PISTE PRINCIPALE/ROUTE NATIONALE :
- PISTE SECONDAIRE/TRANSVERSALE :
- PISTE TERTIAIRE/RÉSIDENTIELLE
- PISTE RÉHABILITÉE
- RIVIÈRE/EMISSAIRE :
- LIMITE DE SECTEURS:
- ZONE HUMIDE, MARAIS :
- ZONE URBANISÉE :
- ZONE NON IRRIGABLE :

- BORNE : B#
- PRISE SUR ÉMISSAIRE (PREM) :
- PRISE POUR CANAL PRIMAIRE (PRCP) :
- PRISE DOUBLE POUR CANAL PRIMAIRE (PRCPX2) :
- PRISE POUR CANAL SECONDAIRE/TERTIAIRE (PRCS)/(PRCT) :
- PRISE POUR CANAL SECONDAIRE/TERTIAIRE DOUBLE (PRCSX2)/(PRCTX2) :
- PRISE POUR ARROSEUR (PRAR) :
- PRISE POUR ARROSEUR DOUBLE (PRARX2) :
- DÉVERSOIR DE SÉCURITÉ (DS) :
- DALOT POUR CANAL SOUS PISTE (DC) :
- DALOT SIMPLE (DP) :
- DALOT SIMPLE EXISTANT (DP-E) :
- BUSE POUR ARROSEUR :
- CHUTE VERTICALE (CH) :
- COURSIER (CS) :
- AQUEDUC (AQ) :
- PARTITEUR FIXE (PA) :
- PONT (PT) :
- PASSERELLE (PL) :
- SOURCE (SR):
- SIPHON :

SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

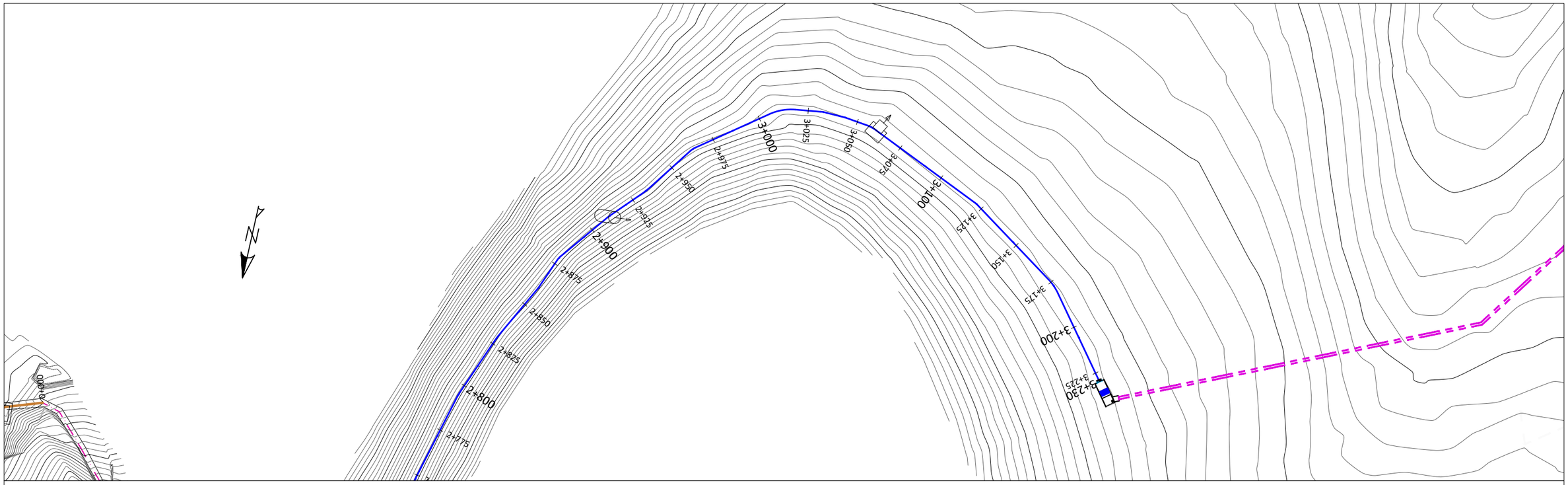
| | |
|---|---|
| REF. | PL-CTM-RD_PL-04 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | V : 1/200 - H : 1/2000 |
| DATE | 06-2025 |

APD KABURANTWA

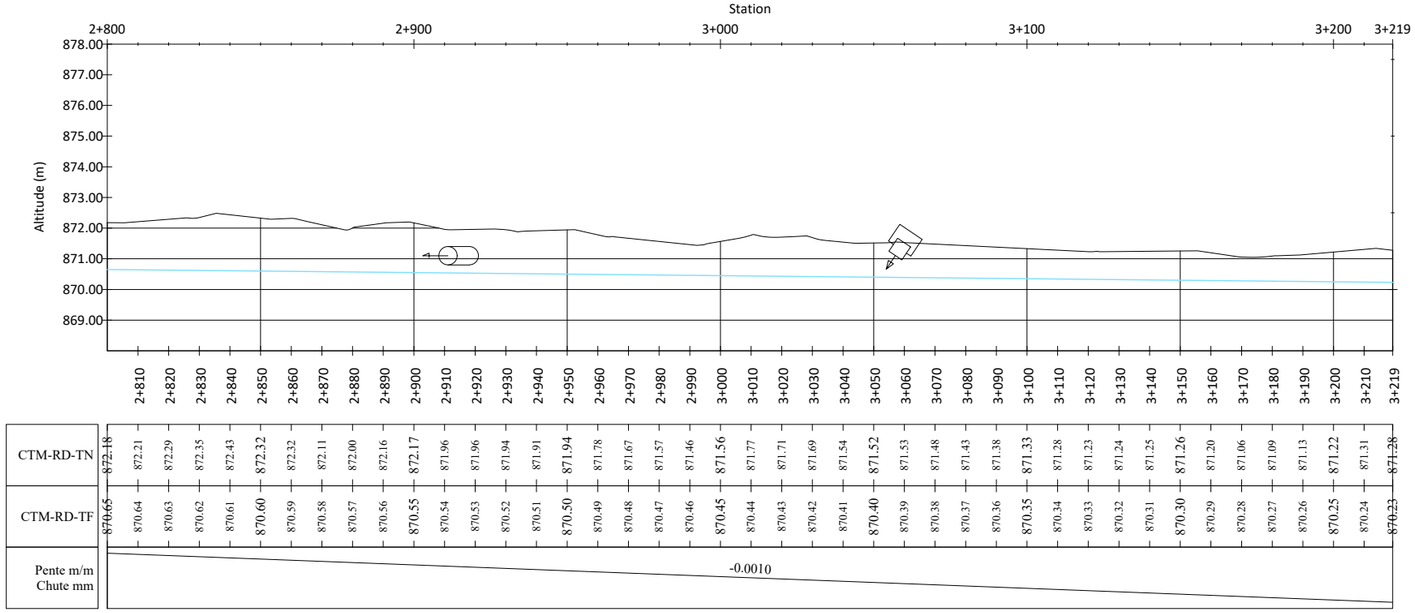
*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

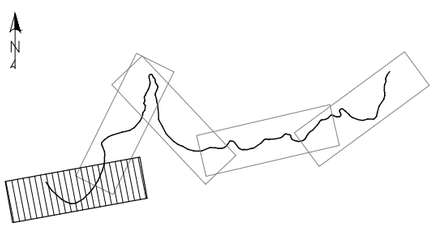
**PROFIL EN LONG & VUE EN PLAN**

CANAL CTM-RD _ PM 2+100 - 2+800




# Profil en long - CTM-RD




**PROFIL EN LONG**

- TERRAIN NATUREL (TN):
- PROJET - TERRAIN FINI (TF) :

TERRAIN FINI CORRESPOND A LA COTE DE LA PLATEFORME DE LA PISTE. L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

**VUE EN PLAN**

- COURBES DE NIVEAU PRIMAIRES :
- COURBES DE NIVEAU SECONDAIRES :
- CANAL D'AMENÉE:
- CANAL TÊTE MORTE:
- CANAL PRIMAIRE :
- CANAL SECONDAIRE :
- CANAL TERTIAIRE :

**VUE EN PLAN**

- CANAL QUATERNAIRE :
- CANAL ARROSEUR :
- DRAIN PRIMAIRE :
- PISTE PRINCIPALE/ROUTE NATIONALE :
- PISTE SECONDAIRE/TRANSVERSALE :
- PISTE TERTIAIRE/RÉSIDENTIELLE
- PISTE RÉHABILITÉE
- RIVIÈRE/EMISSAIRE :
- LIMITE DE SECTEURS:
- ZONE HUMIDE, MARAIS :
- ZONE URBANISÉE :
- ZONE NON IRRIGABLE :

- BORNE : B#
- PRISE SUR ÉMISSAIRE (PREM) :
- PRISE POUR CANAL PRIMAIRE (PRCP) :
- PRISE DOUBLE POUR CANAL PRIMAIRE (PRCPX2) :
- PRISE POUR CANAL SECONDAIRE/TERTIAIRE (PRCS)/(PRCT) :
- PRISE POUR CANAL SECONDAIRE/TERTIAIRE DOUBLE (PRCSX2)/(PRCTX2) :
- PRISE POUR ARROSEUR (PRAR) :
- PRISE POUR ARROSEUR DOUBLE (PRARX2) :
- DÉVERSOIR DE SÉCURITÉ (DS) :
- DALOT POUR CANAL SOUS PISTE (DC) :
- DALOT SIMPLE (DP) :
- DALOT SIMPLE EXISTANT (DP-E) :
- BUSE POUR ARROSEUR :
- CHUTE VERTICALE (CH) :
- COURSIER (CS) :
- AQUEDUC (AQ) :
- PARTITEUR FIXE (PA) :
- PONT (PT) :
- PASSERELLE (PL) :
- SOURCE (SR):
- SIPHON :


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | PL-CTM-RD_PL-05 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | V : 1/200 - H : 1/2000 |
| DATE | 06-2025 |

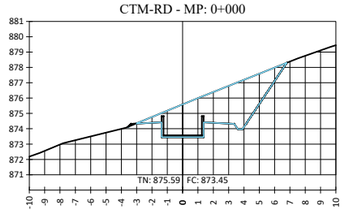
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

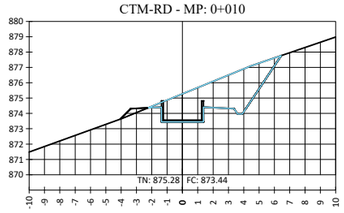
**PROFIL EN LONG & VUE EN PLAN**

CANAL CTM-RD _ PM 2+800 - 3+230

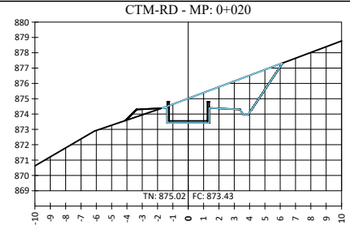
CTM-RD - MP: 0+000



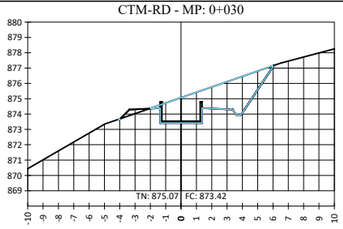

CTM-RD - MP: 0+010



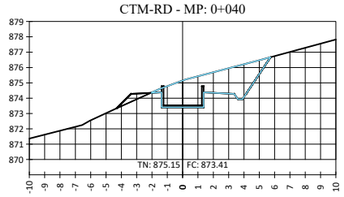

CTM-RD - MP: 0+020



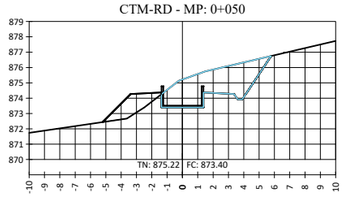

CTM-RD - MP: 0+030



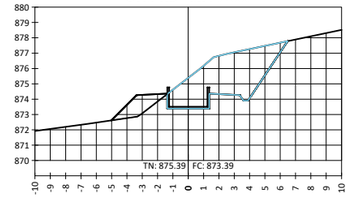

CTM-RD - MP: 0+040



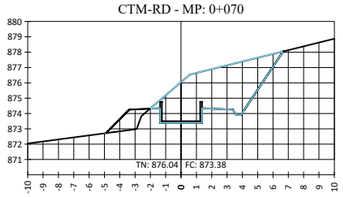

CTM-RD - MP: 0+050



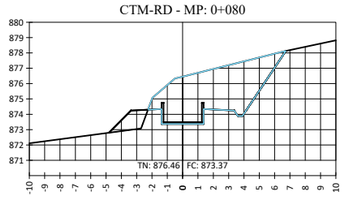

CTM-RD - MP: 0+060



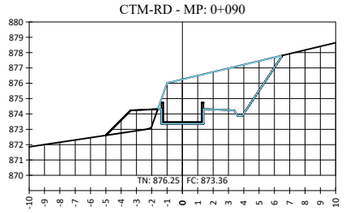

CTM-RD - MP: 0+070



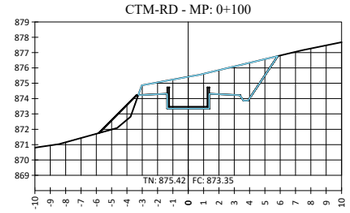

CTM-RD - MP: 0+080



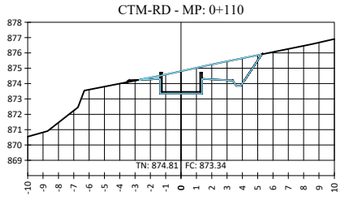

CTM-RD - MP: 0+090



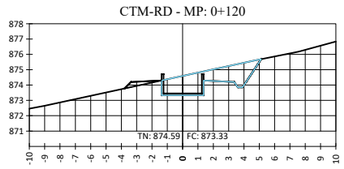

CTM-RD - MP: 0+100



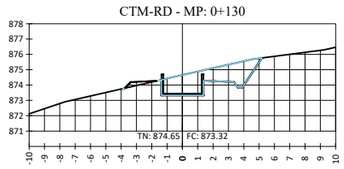

CTM-RD - MP: 0+110



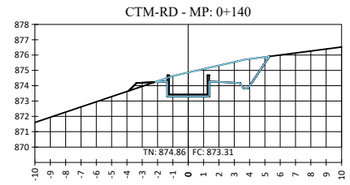

CTM-RD - MP: 0+120



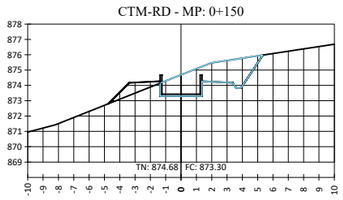

CTM-RD - MP: 0+130



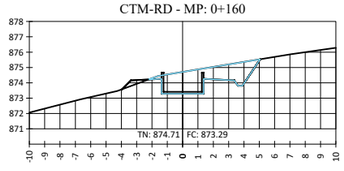

CTM-RD - MP: 0+140



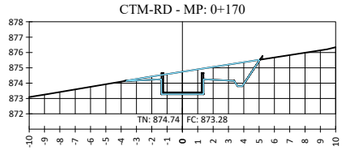

CTM-RD - MP: 0+150



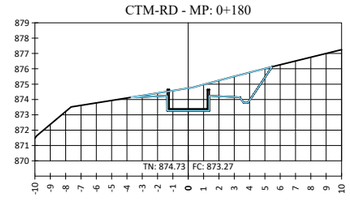

CTM-RD - MP: 0+160



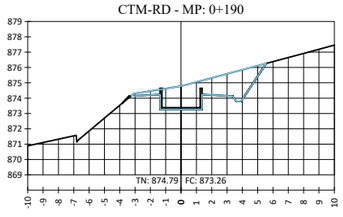

CTM-RD - MP: 0+170




CTM-RD - MP: 0+180




CTM-RD - MP: 0+190




15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-CTM-RD_SV-01 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

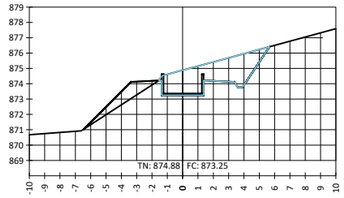
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

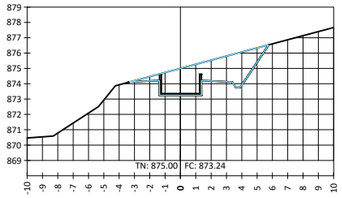
Coupes en travers

CTM-RD - PM 0+000 - 0+190

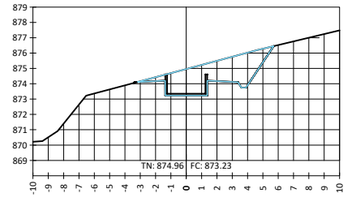
CTM-RD - MP: 0+200



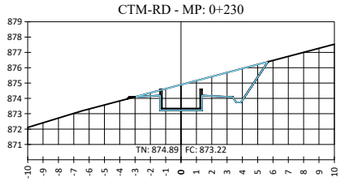

CTM-RD - MP: 0+210



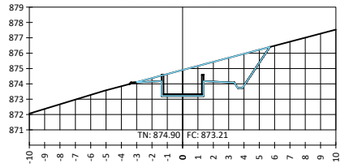

CTM-RD - MP: 0+220



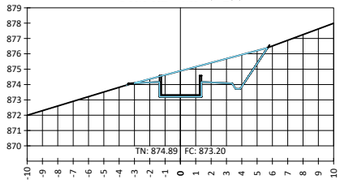

CTM-RD - MP: 0+230



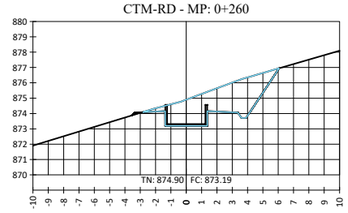

CTM-RD - MP: 0+240



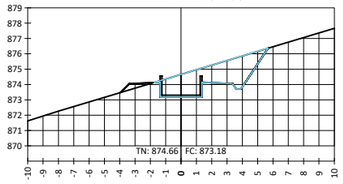

CTM-RD - MP: 0+250



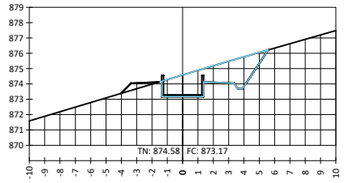

CTM-RD - MP: 0+260



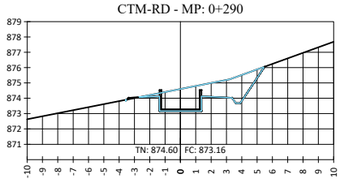

CTM-RD - MP: 0+270



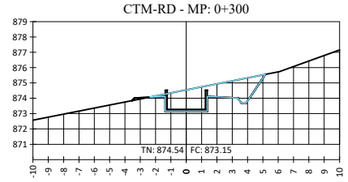

CTM-RD - MP: 0+280



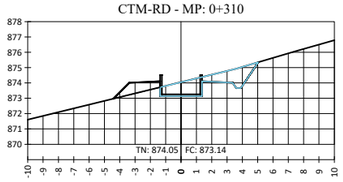

CTM-RD - MP: 0+290



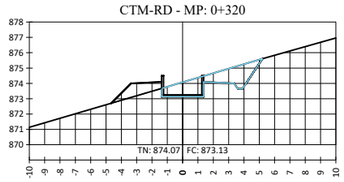

CTM-RD - MP: 0+300



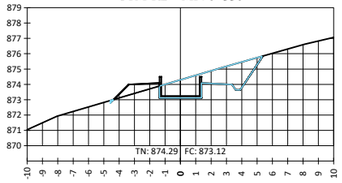

CTM-RD - MP: 0+310



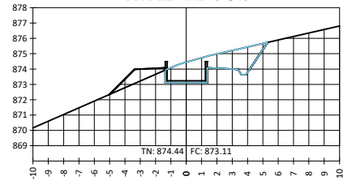

CTM-RD - MP: 0+320



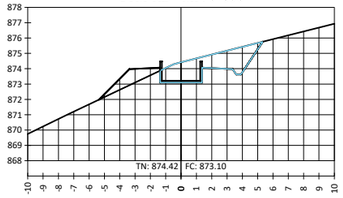

CTM-RD - MP: 0+330



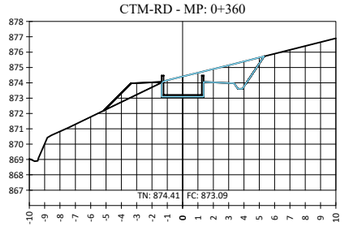

CTM-RD - MP: 0+340



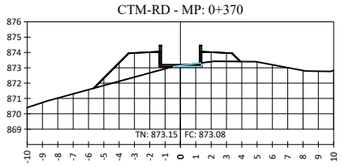

CTM-RD - MP: 0+350




CTM-RD - MP: 0+360




CTM-RD - MP: 0+370




SHER
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

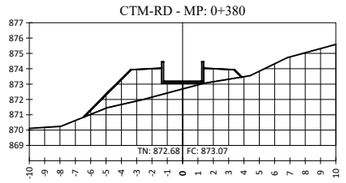
| | |
|---|---|
| REF. | SV-CTM-RD_SV-02 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

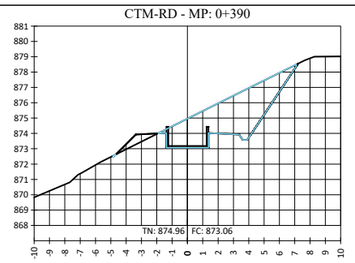
APD KABURANTWA

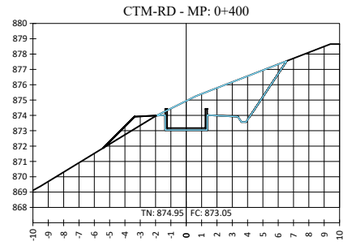
*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

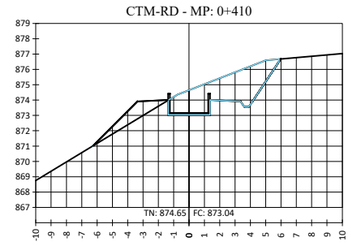
Coupes en travers

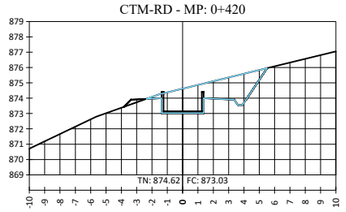
CTM-RD - PM 0+190 - 0+370

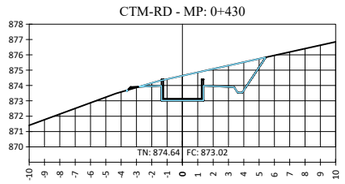


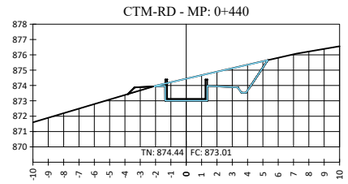



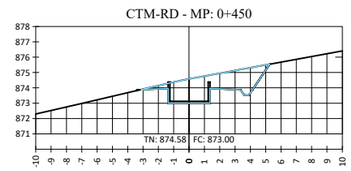



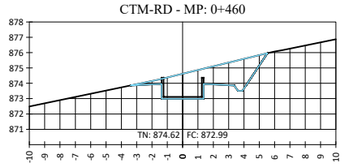



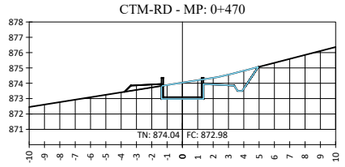



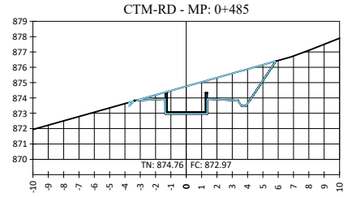



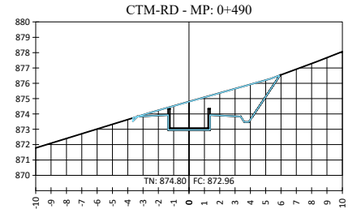



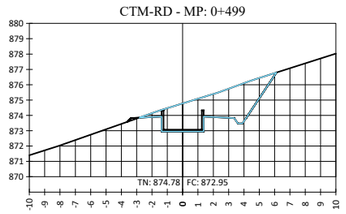



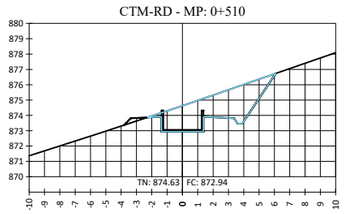



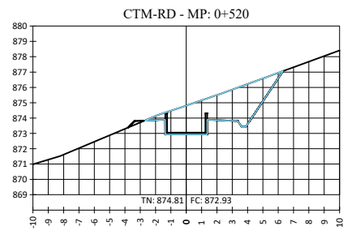



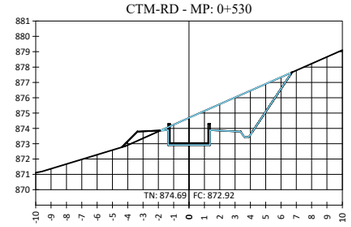




15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-CTM-RD_SV-03 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

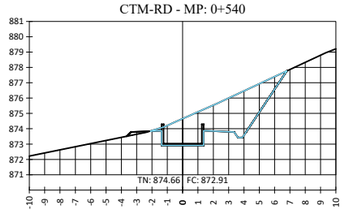
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

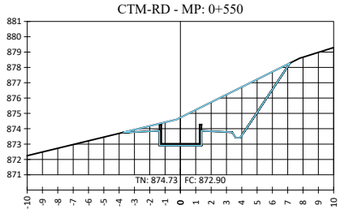
Coupes en travers

CTM-RD - PM 0+370 -0+530

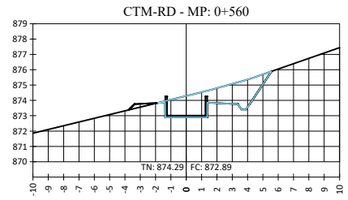
CTM-RD - MP: 0+540



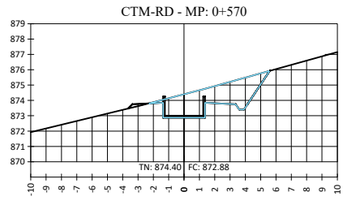

CTM-RD - MP: 0+550



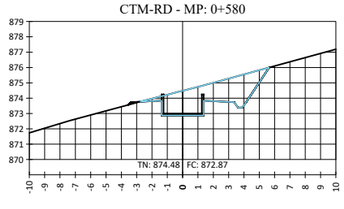

CTM-RD - MP: 0+560



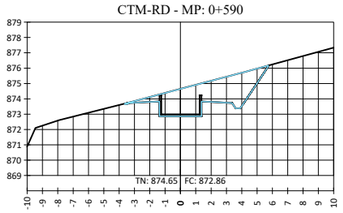

CTM-RD - MP: 0+570



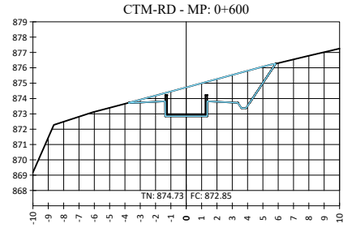

CTM-RD - MP: 0+580



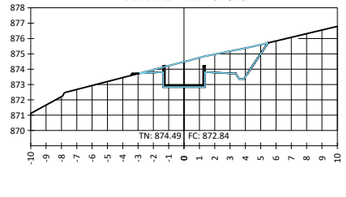

CTM-RD - MP: 0+590



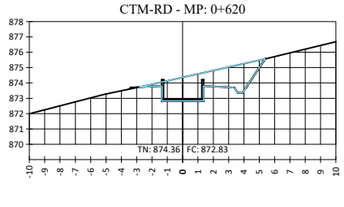

CTM-RD - MP: 0+600



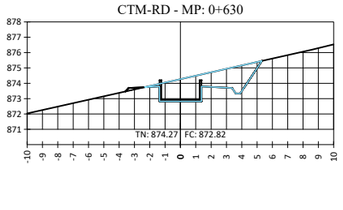

CTM-RD - MP: 0+610



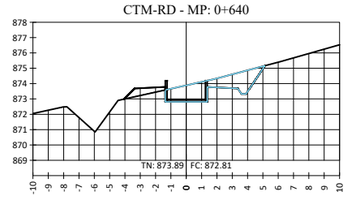

CTM-RD - MP: 0+620



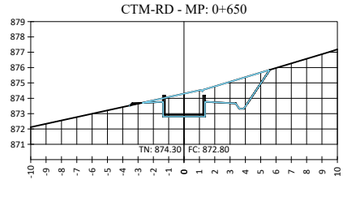

CTM-RD - MP: 0+630



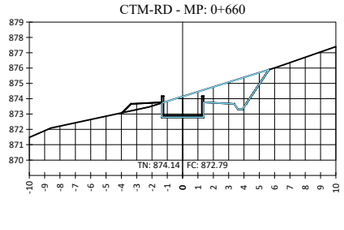

CTM-RD - MP: 0+640



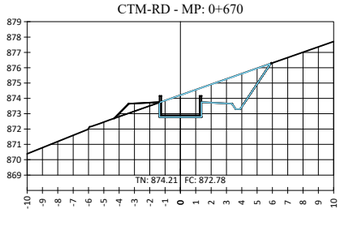

CTM-RD - MP: 0+650



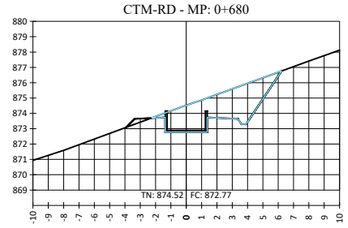

CTM-RD - MP: 0+660



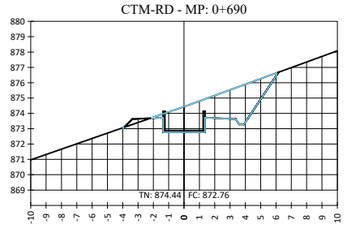

CTM-RD - MP: 0+670



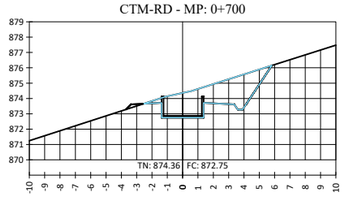

CTM-RD - MP: 0+680



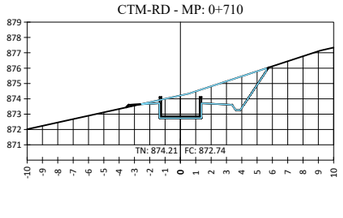

CTM-RD - MP: 0+690



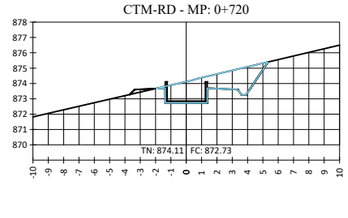

CTM-RD - MP: 0+700



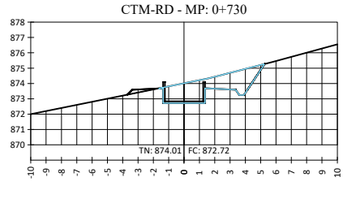

CTM-RD - MP: 0+710




CTM-RD - MP: 0+720




CTM-RD - MP: 0+730




SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-CTM-RD_SV-04 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

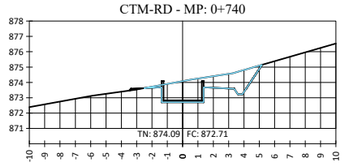
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

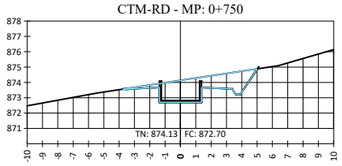
Coupes en travers

CTM-RD - PM 0+530 -0+730

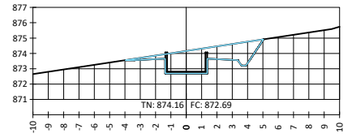
CTM-RD - MP: 0+740



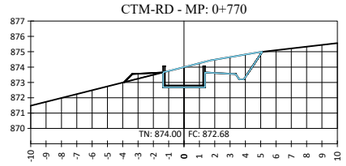

CTM-RD - MP: 0+750



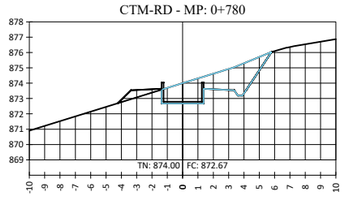

CTM-RD - MP: 0+760



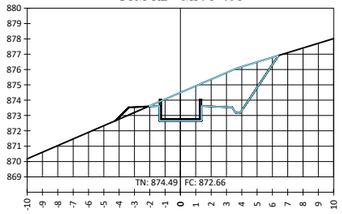

CTM-RD - MP: 0+770



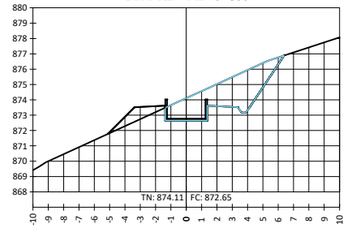

CTM-RD - MP: 0+780



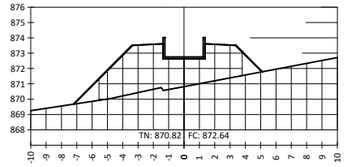

CTM-RD - MP: 0+790



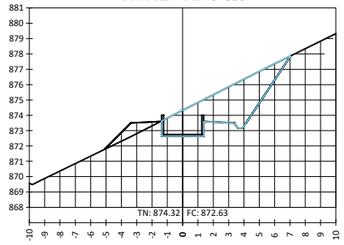

CTM-RD - MP: 0+800



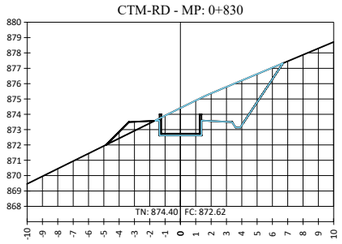

CTM-RD - MP: 0+810



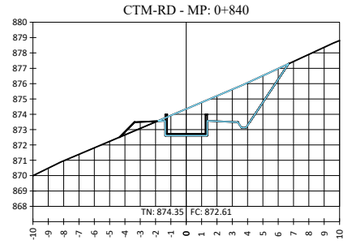

CTM-RD - MP: 0+820



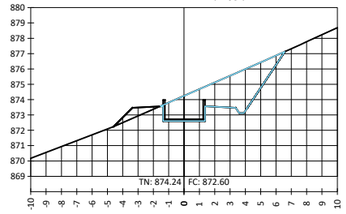

CTM-RD - MP: 0+830



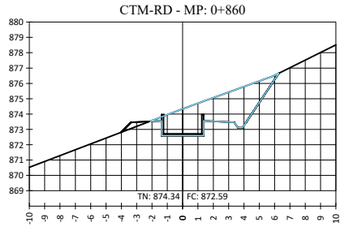

CTM-RD - MP: 0+840



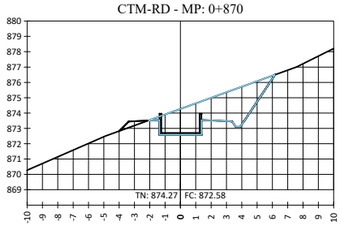

CTM-RD - MP: 0+850



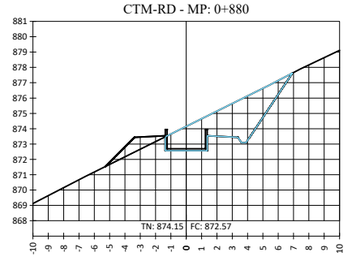

CTM-RD - MP: 0+860



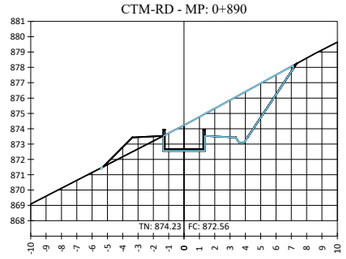

CTM-RD - MP: 0+870




CTM-RD - MP: 0+880




CTM-RD - MP: 0+890




SHER
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-CTM-RD_SV-05 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

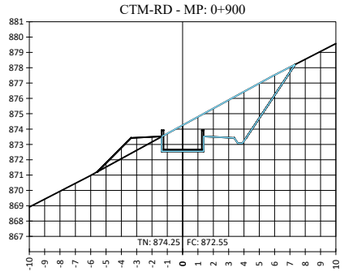
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

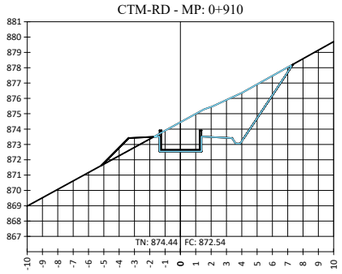
Coupes en travers

CTM-RD - PM 0+730 - 0+890

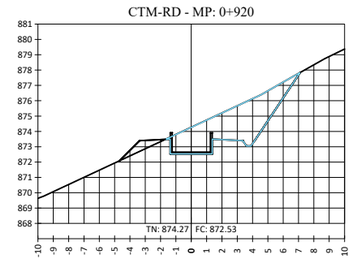
CTM-RD - MP: 0+900



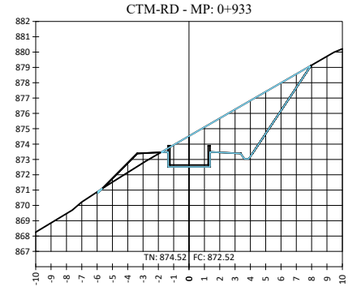

CTM-RD - MP: 0+910



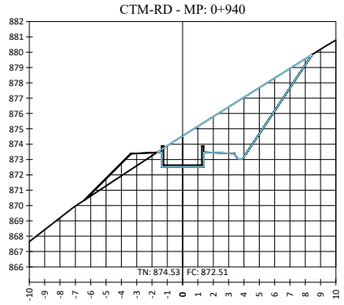

CTM-RD - MP: 0+920



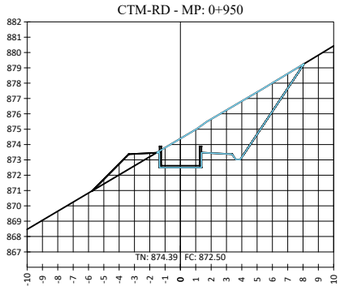

CTM-RD - MP: 0+933



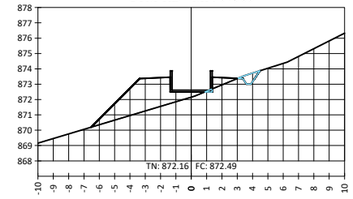

CTM-RD - MP: 0+940



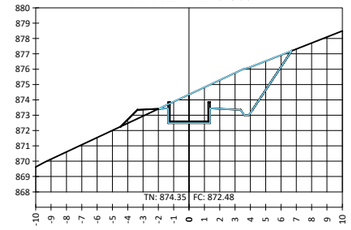

CTM-RD - MP: 0+950



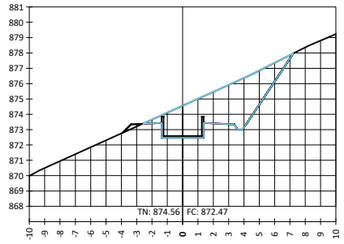

CTM-RD - MP: 0+960



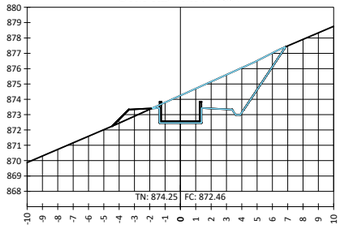

CTM-RD - MP: 0+970



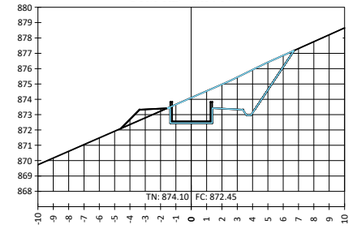

CTM-RD - MP: 0+980



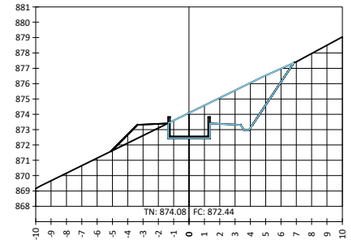

CTM-RD - MP: 0+990



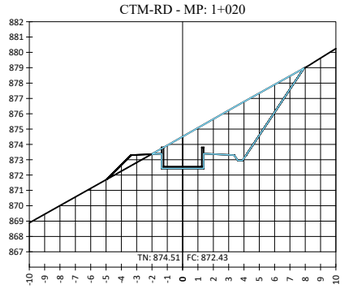

CTM-RD - MP: 1+000



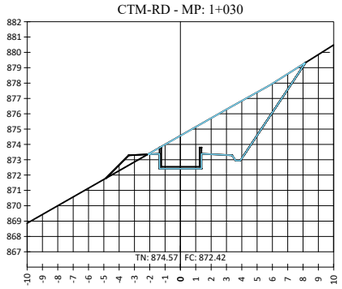

CTM-RD - MP: 1+010



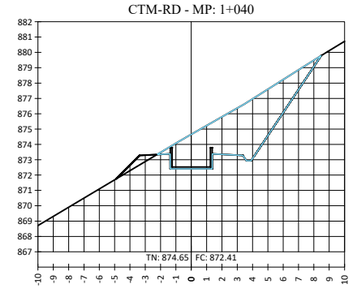

CTM-RD - MP: 1+020



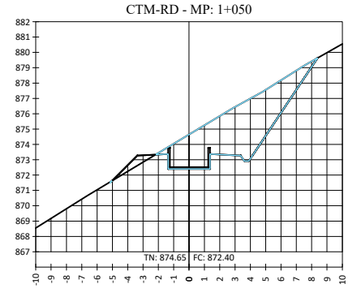

CTM-RD - MP: 1+030




CTM-RD - MP: 1+040




CTM-RD - MP: 1+050




SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-CTM-RD_SV-06 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

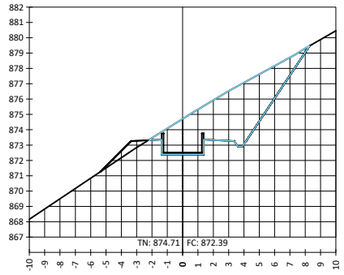
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

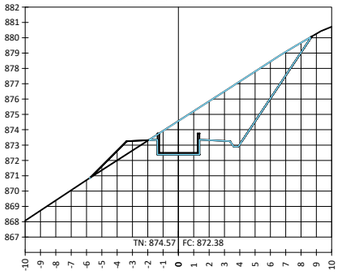
Coupes en travers

CTM-RD - PM 0+890 - 1+050

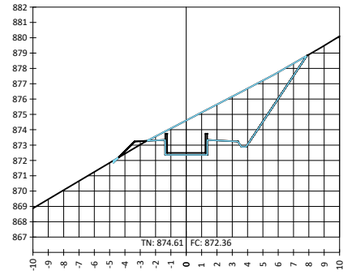
CTM-RD - MP: 1+060



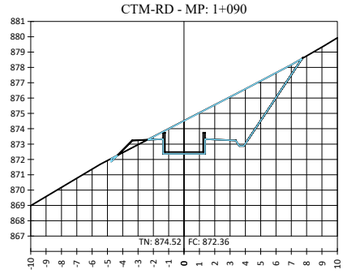

CTM-RD - MP: 1+070



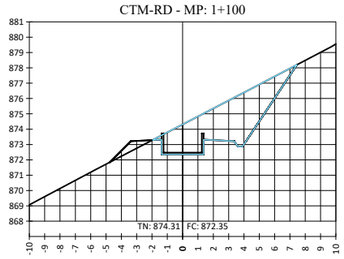

CTM-RD - MP: 1+086



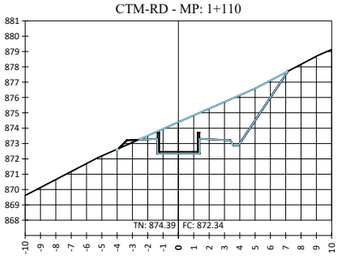

CTM-RD - MP: 1+090



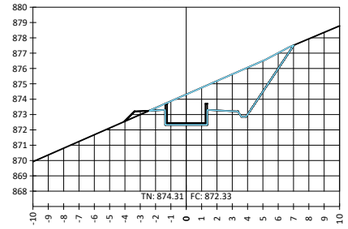

CTM-RD - MP: 1+100



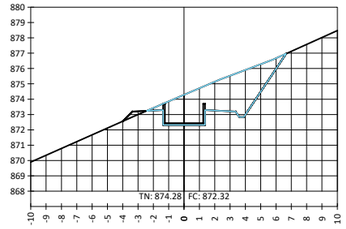

CTM-RD - MP: 1+110



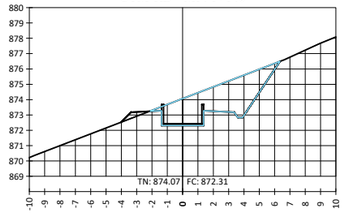

CTM-RD - MP: 1+120



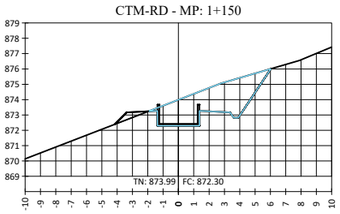

CTM-RD - MP: 1+130



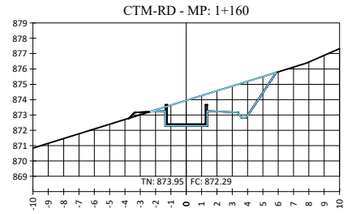

CTM-RD - MP: 1+140



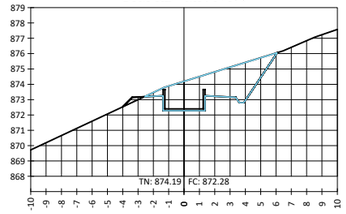

CTM-RD - MP: 1+150



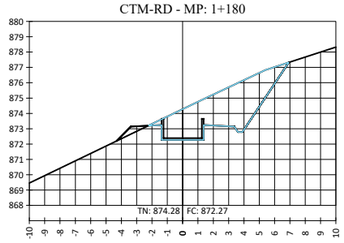

CTM-RD - MP: 1+160



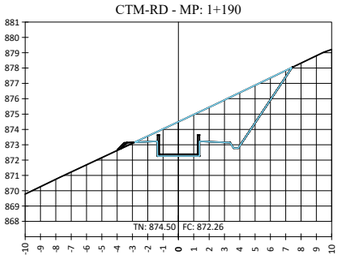

CTM-RD - MP: 1+170



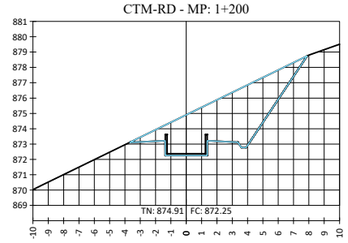

CTM-RD - MP: 1+180



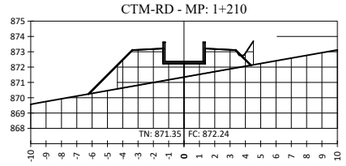

CTM-RD - MP: 1+190




CTM-RD - MP: 1+200




CTM-RD - MP: 1+210




SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-CTM-RD_SV-07 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | I/200 |
| DATE | 06-2025 |

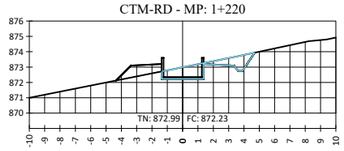
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

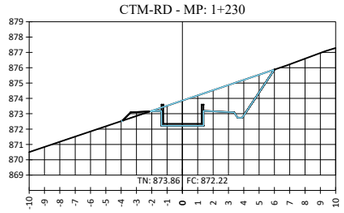
Coupes en travers

**CTM-RD - PM 1+050 -1+210**

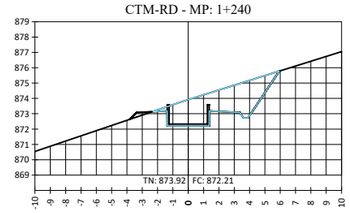
CTM-RD - MP: 1+220



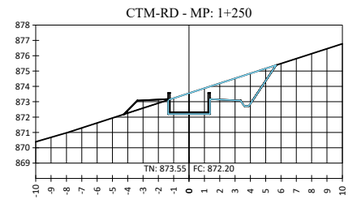

CTM-RD - MP: 1+230



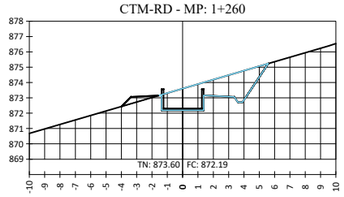

CTM-RD - MP: 1+240



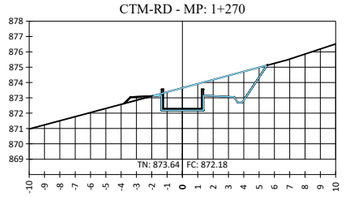

CTM-RD - MP: 1+250



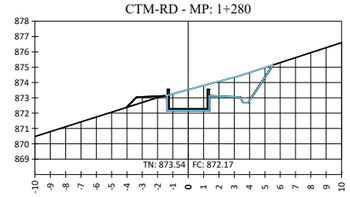

CTM-RD - MP: 1+260



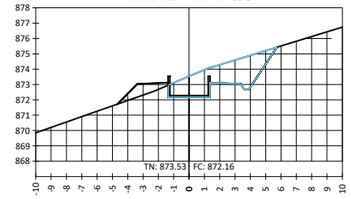

CTM-RD - MP: 1+270



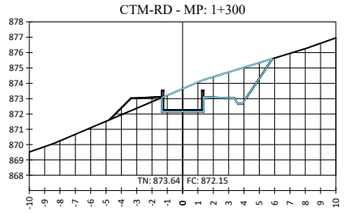

CTM-RD - MP: 1+280



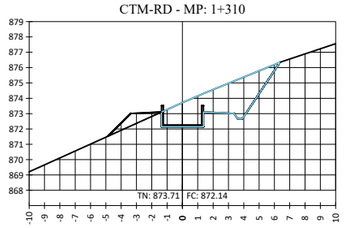

CTM-RD - MP: 1+290



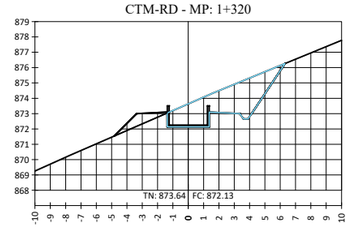

CTM-RD - MP: 1+300



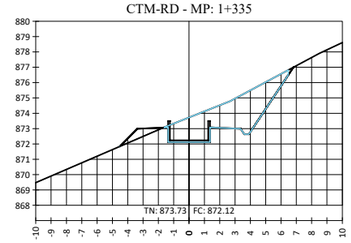

CTM-RD - MP: 1+310



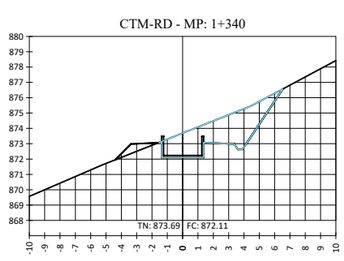

CTM-RD - MP: 1+320




CTM-RD - MP: 1+335




CTM-RD - MP: 1+340




15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-CTM-RD_SV-08 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

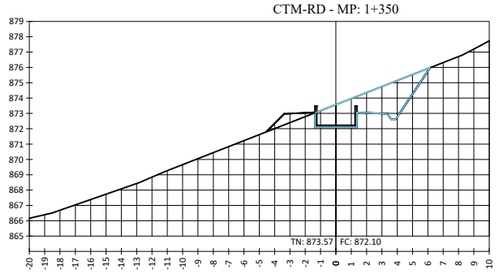
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

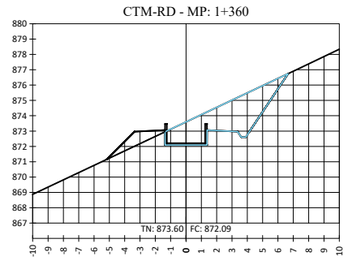
Coupes en travers

CTM-RD - PM 1+210 -1+340

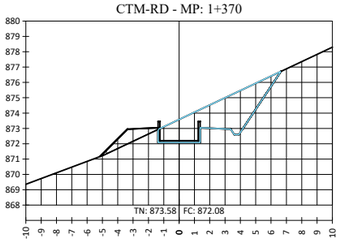
CTM-RD - MP: 1+350



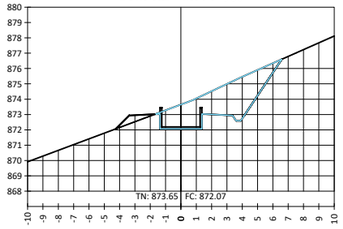

CTM-RD - MP: 1+360



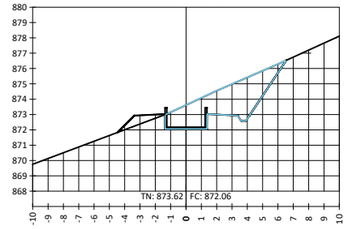

CTM-RD - MP: 1+370



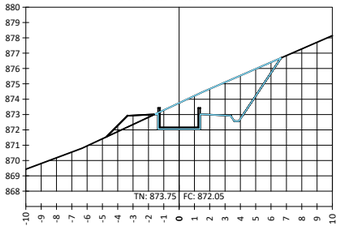

CTM-RD - MP: 1+380



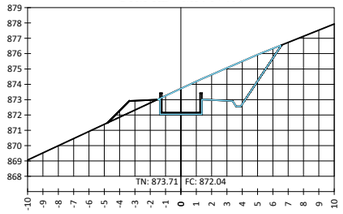

CTM-RD - MP: 1+390



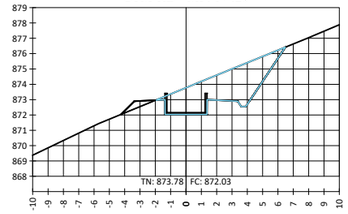

CTM-RD - MP: 1+400



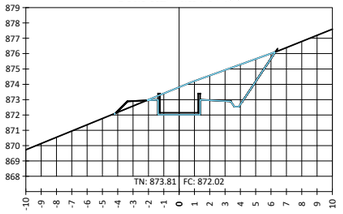

CTM-RD - MP: 1+410



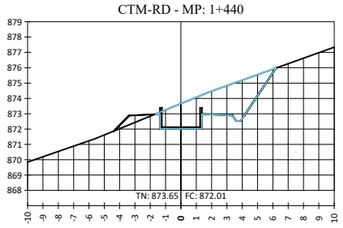

CTM-RD - MP: 1+420



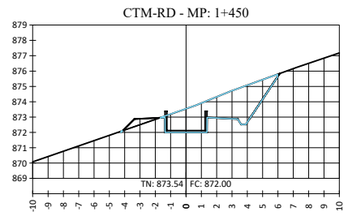

CTM-RD - MP: 1+430



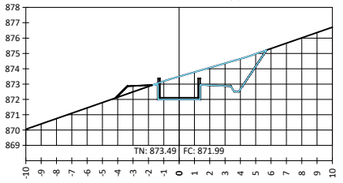

CTM-RD - MP: 1+440




CTM-RD - MP: 1+450




CTM-RD - MP: 1+460




SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

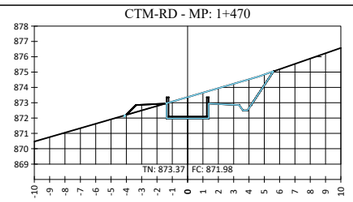
| | |
|---|---|
| REF. | SV-CTM-RD_SV-09 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | I/200 |
| DATE | 06-2025 |

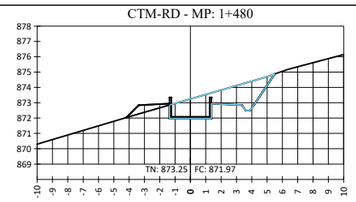
APD KABURANTWA

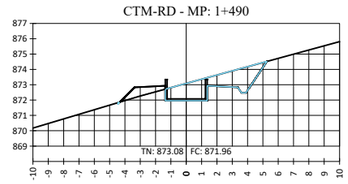
*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

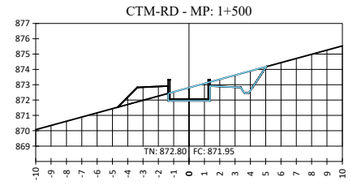
Coupes en travers

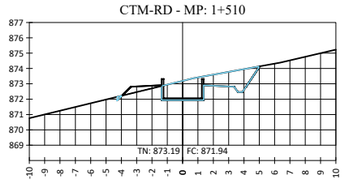
CTM-RD - PM 1+340 -1+460

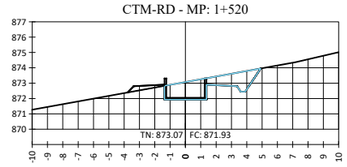


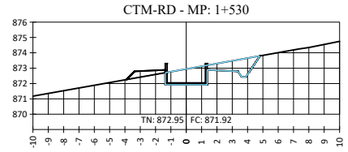



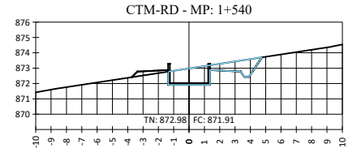



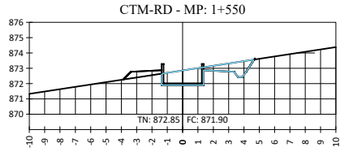



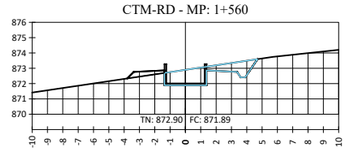



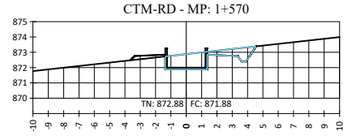



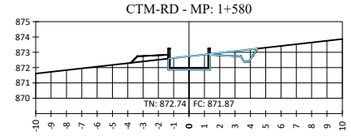



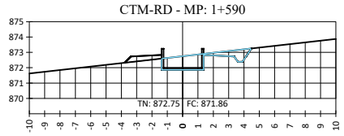



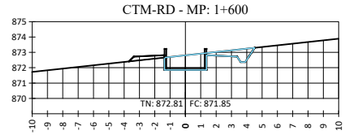



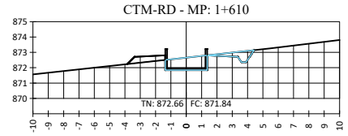



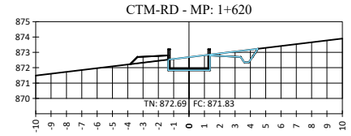



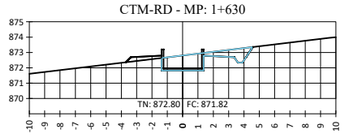



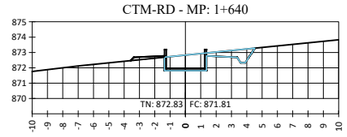



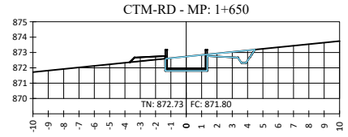



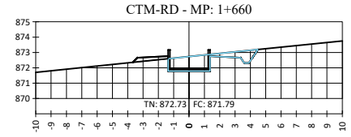



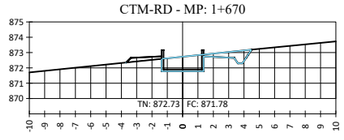



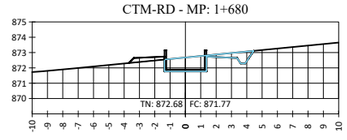



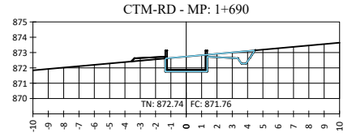



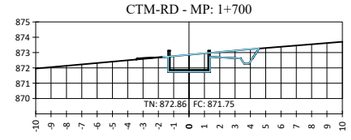




SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-CTM-RD_SV-I0 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | I/200 |
| DATE | 06-2025 |

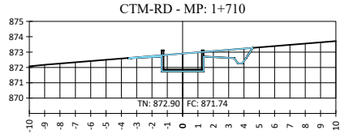
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

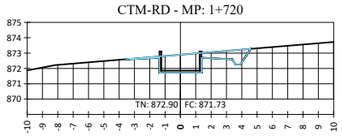
Coupes en travers

CTM-RD - PM 1+460 - 1+700

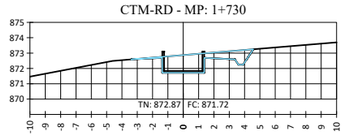
CTM-RD - MP: 1+710



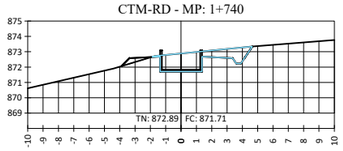

CTM-RD - MP: 1+720



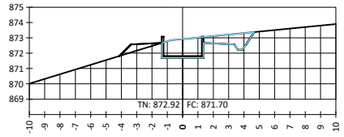

CTM-RD - MP: 1+730



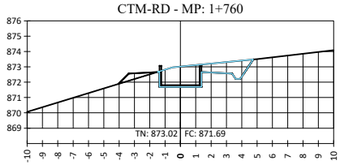

CTM-RD - MP: 1+740



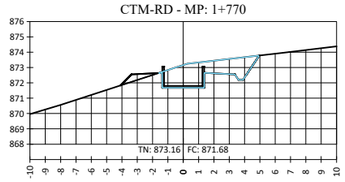

CTM-RD - MP: 1+750



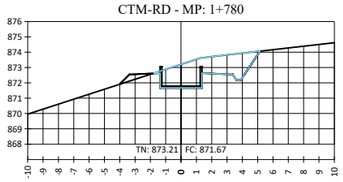

CTM-RD - MP: 1+760



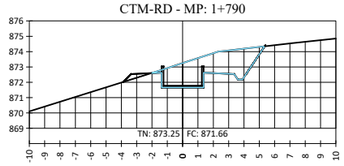

CTM-RD - MP: 1+770



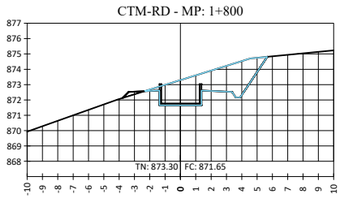

CTM-RD - MP: 1+780



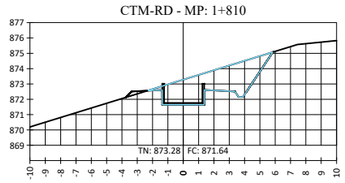

CTM-RD - MP: 1+790



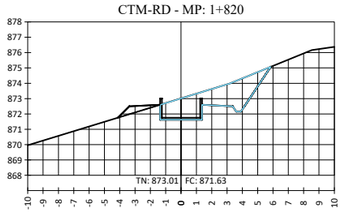

CTM-RD - MP: 1+800



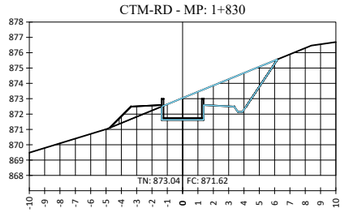

CTM-RD - MP: 1+810



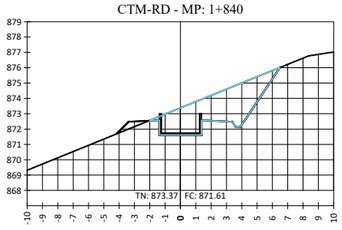

CTM-RD - MP: 1+820



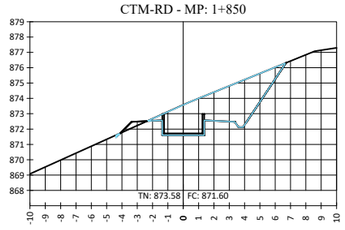

CTM-RD - MP: 1+830



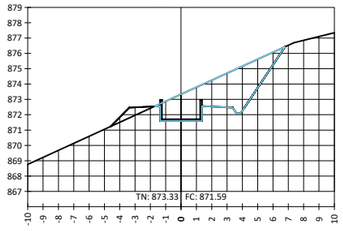

CTM-RD - MP: 1+840



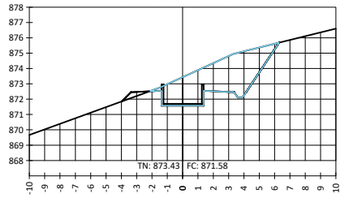

CTM-RD - MP: 1+850



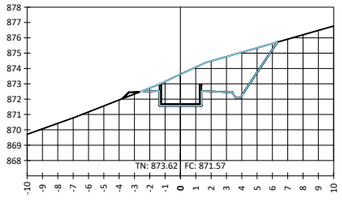

CTM-RD - MP: 1+860




CTM-RD - MP: 1+870




CTM-RD - MP: 1+880




15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-CTM-RD_SV-II |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

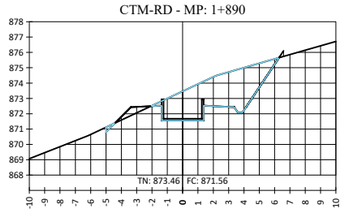
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

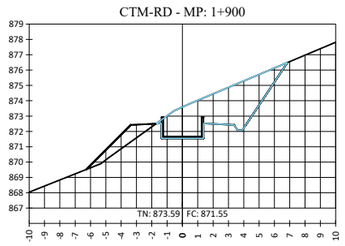
Coupes en travers

CTM-RD - PM 1+700 - 1+880

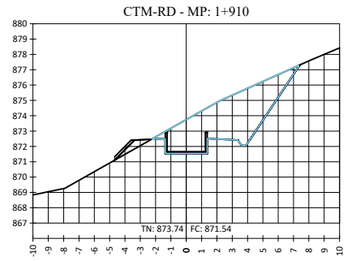
CTM-RD - MP: 1+890



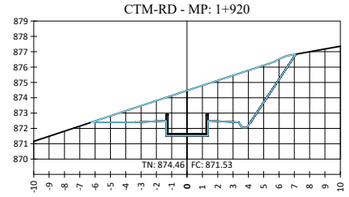

CTM-RD - MP: 1+900



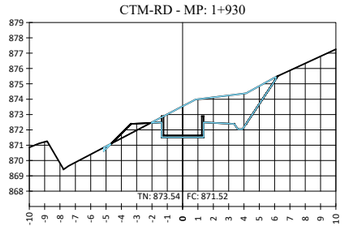

CTM-RD - MP: 1+910



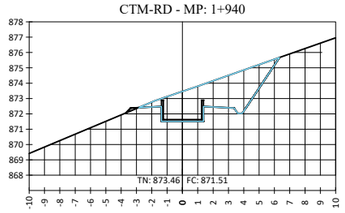

CTM-RD - MP: 1+920



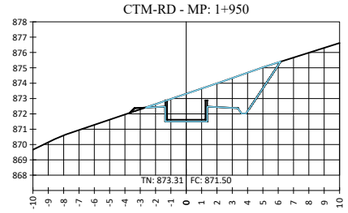

CTM-RD - MP: 1+930



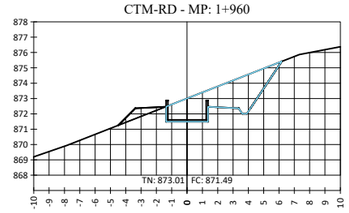

CTM-RD - MP: 1+940



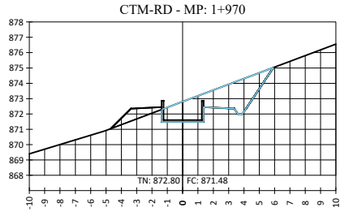

CTM-RD - MP: 1+950



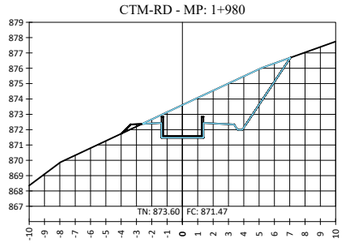

CTM-RD - MP: 1+960



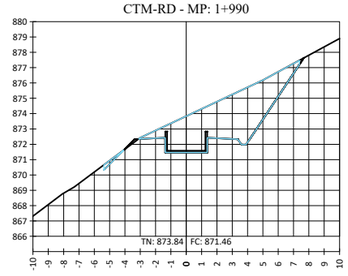

CTM-RD - MP: 1+970



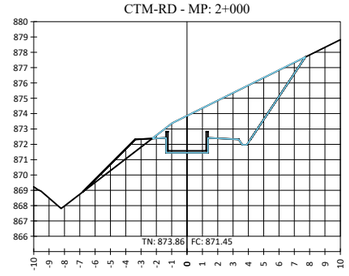

CTM-RD - MP: 1+980



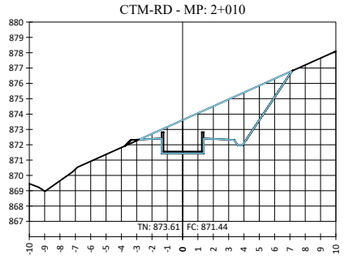

CTM-RD - MP: 1+990



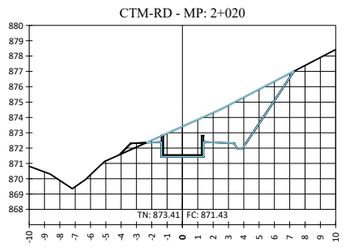

CTM-RD - MP: 2+000



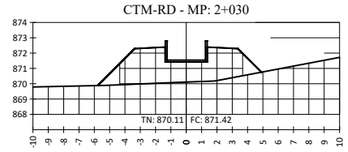

CTM-RD - MP: 2+010



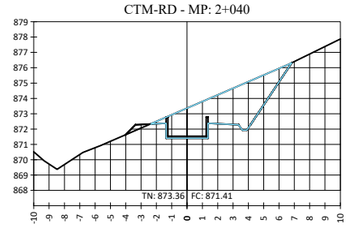

CTM-RD - MP: 2+020




CTM-RD - MP: 2+030




CTM-RD - MP: 2+040




SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-CTM-RD_SV-I2 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | I/200 |
| DATE | 06-2025 |

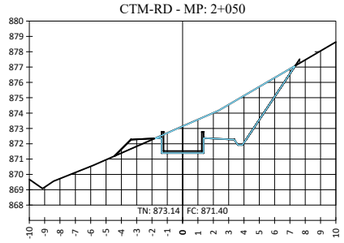
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

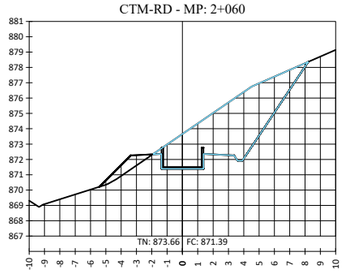
Coupes en travers

CTM-RD - PM 1+880 - 2+040

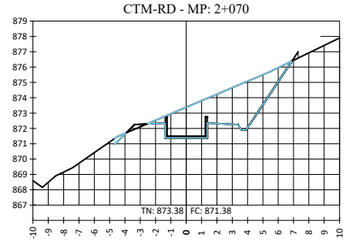
CTM-RD - MP: 2+050



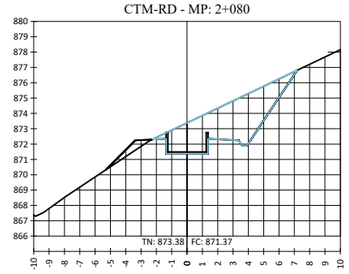

CTM-RD - MP: 2+060



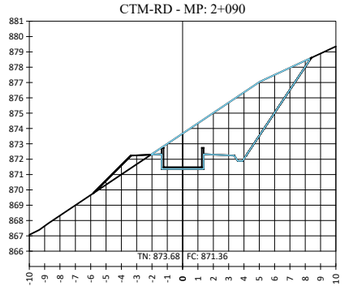

CTM-RD - MP: 2+070



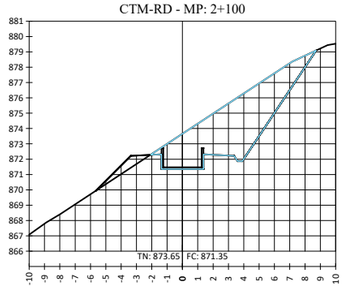

CTM-RD - MP: 2+080



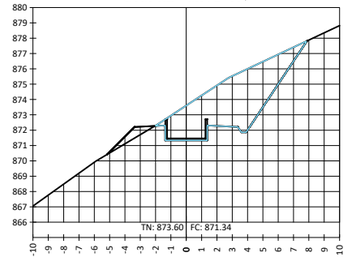

CTM-RD - MP: 2+090



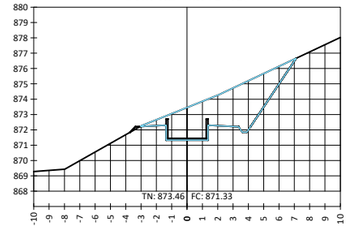

CTM-RD - MP: 2+100



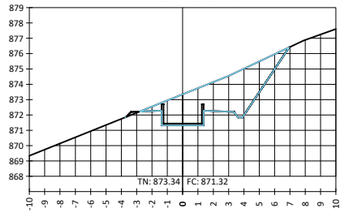

CTM-RD - MP: 2+110



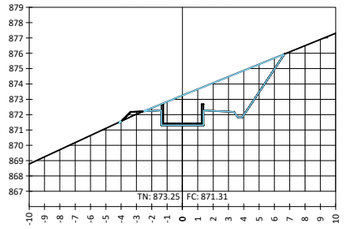

CTM-RD - MP: 2+120



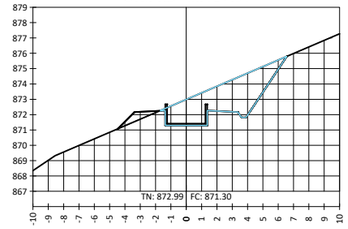

CTM-RD - MP: 2+130



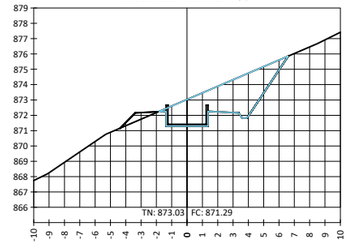

CTM-RD - MP: 2+143



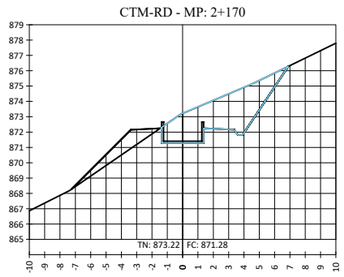

CTM-RD - MP: 2+154



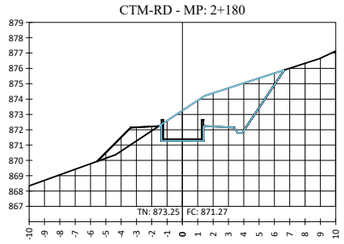

CTM-RD - MP: 2+160



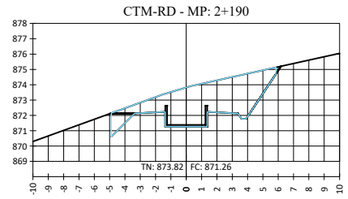

CTM-RD - MP: 2+170



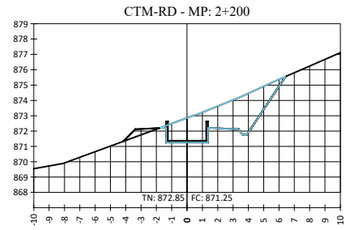

CTM-RD - MP: 2+180




CTM-RD - MP: 2+190




CTM-RD - MP: 2+200




SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

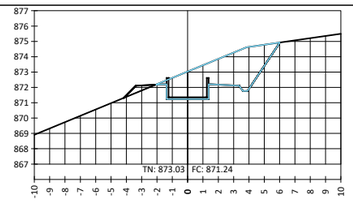
| | |
|---|---|
| REF. | SV-CTM-RD_SV-13 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

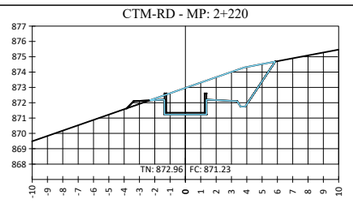
APD KABURANTWA

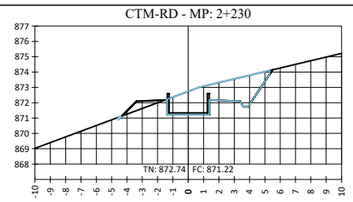
*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

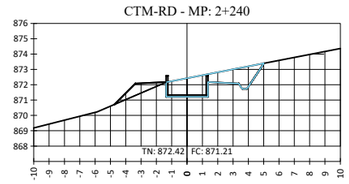
Coupes en travers

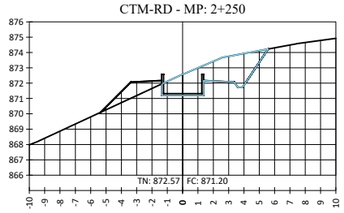
CTM-RD - PM 2+040 - 2+200

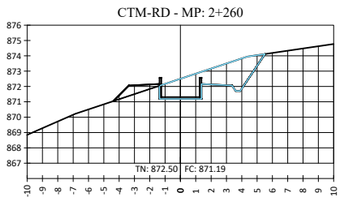


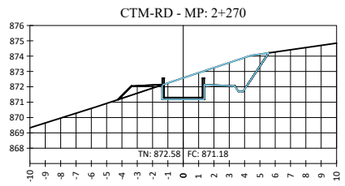



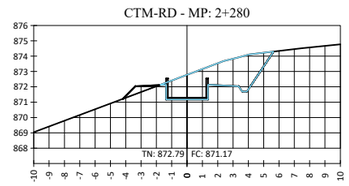



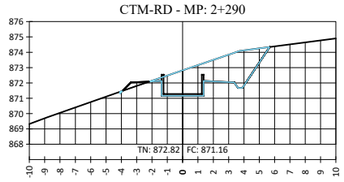



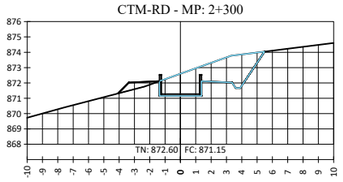



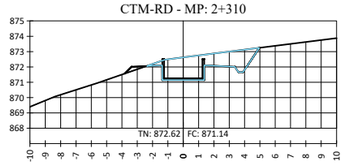



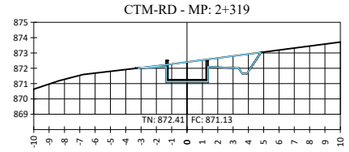



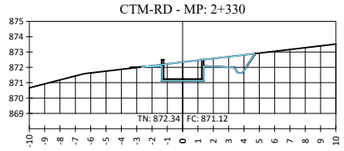



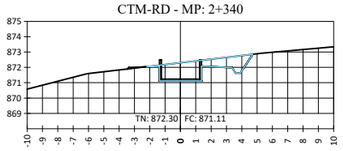



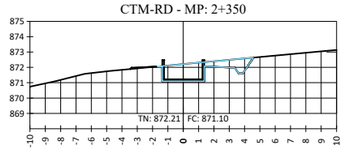



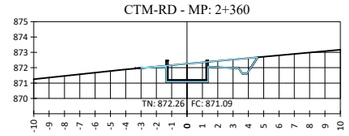



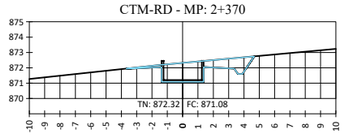



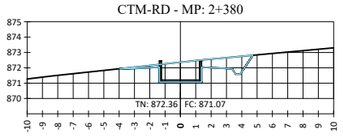



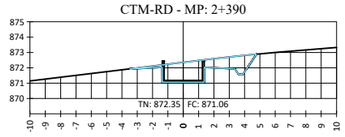



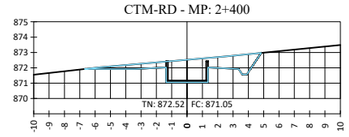



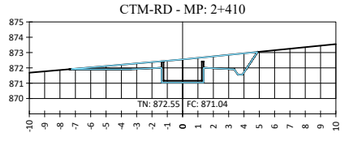



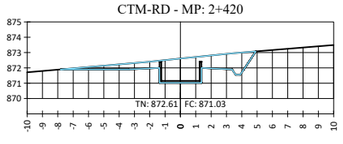



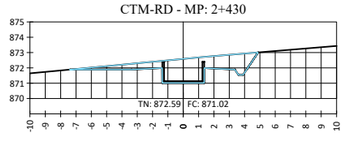



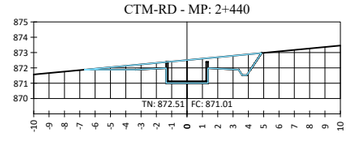




SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-CTM-RD_SV-I4 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

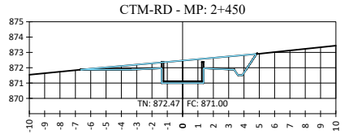
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

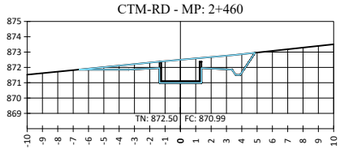
Coupes en travers

CTM-RD - PM 2+200 - 2+440

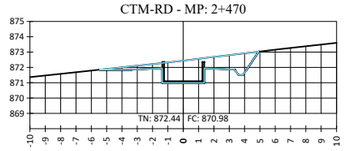
CTM-RD - MP: 2+450



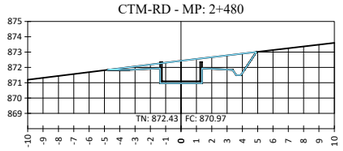

CTM-RD - MP: 2+460



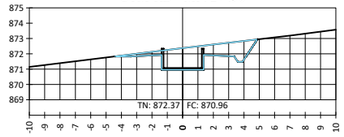

CTM-RD - MP: 2+470



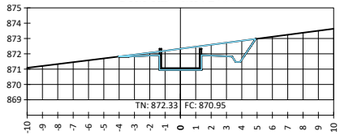

CTM-RD - MP: 2+480



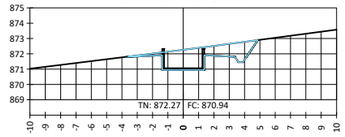

CTM-RD - MP: 2+490



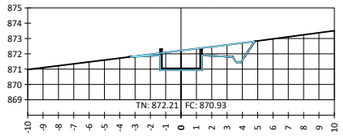

CTM-RD - MP: 2+500



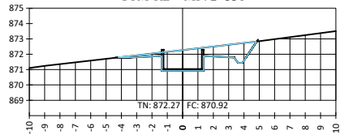

CTM-RD - MP: 2+510



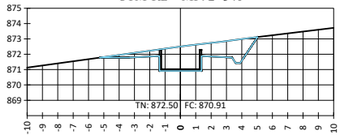

CTM-RD - MP: 2+520



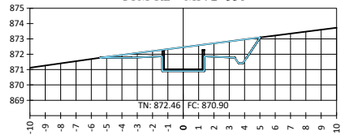

CTM-RD - MP: 2+530



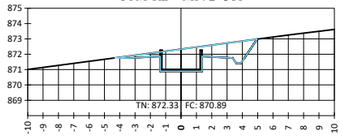

CTM-RD - MP: 2+540



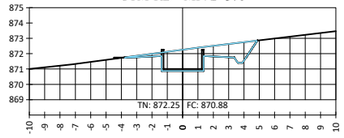

CTM-RD - MP: 2+550



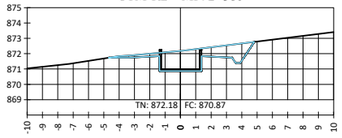

CTM-RD - MP: 2+560



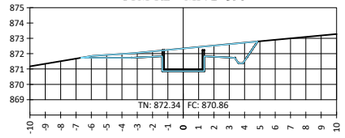

CTM-RD - MP: 2+570



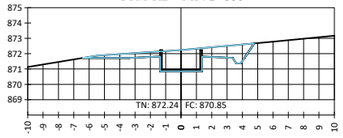

CTM-RD - MP: 2+580



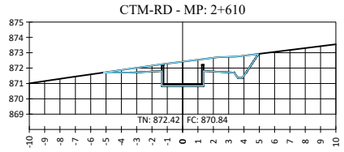

CTM-RD - MP: 2+590



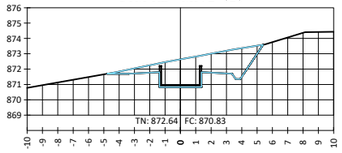

CTM-RD - MP: 2+600



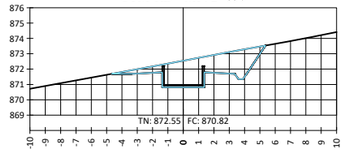

CTM-RD - MP: 2+610



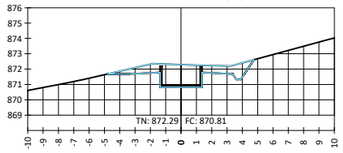

CTM-RD - MP: 2+620



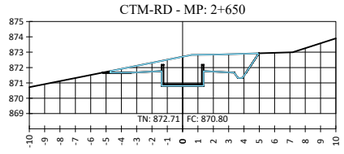

CTM-RD - MP: 2+630



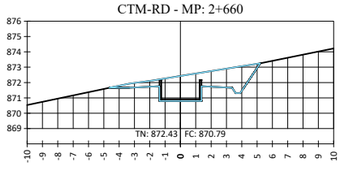

CTM-RD - MP: 2+640



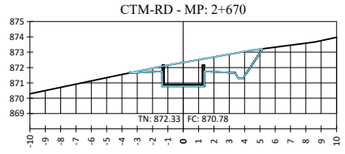

CTM-RD - MP: 2+650



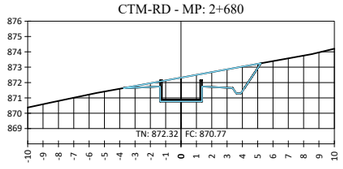

CTM-RD - MP: 2+660



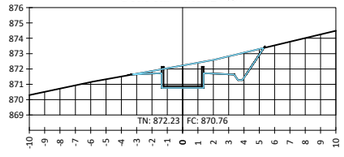

CTM-RD - MP: 2+670




CTM-RD - MP: 2+680




CTM-RD - MP: 2+690




SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-CTM-RD_SV-I5 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | I/200 |
| DATE | 06-2025 |

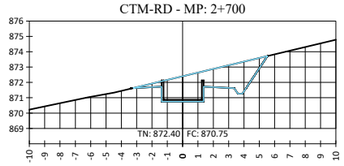
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

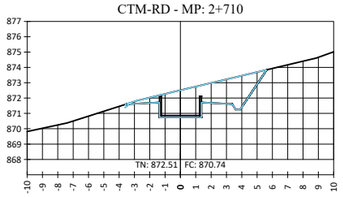
Coupes en travers

CTM-RD - PM 2+440 - 2+690

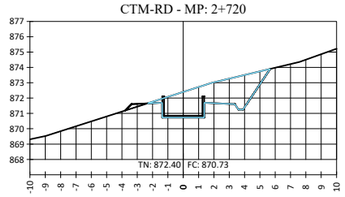
CTM-RD - MP: 2+700



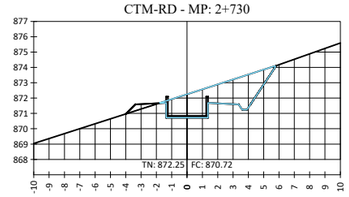

CTM-RD - MP: 2+710



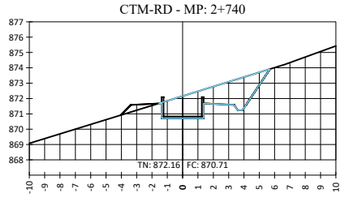

CTM-RD - MP: 2+720



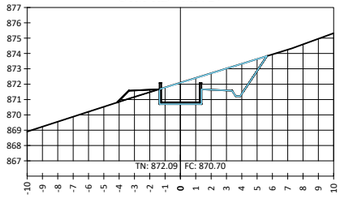

CTM-RD - MP: 2+730



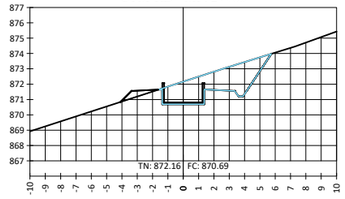

CTM-RD - MP: 2+740



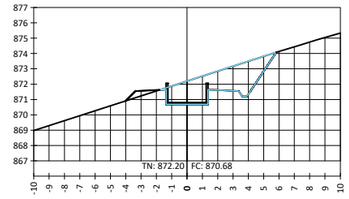

CTM-RD - MP: 2+750



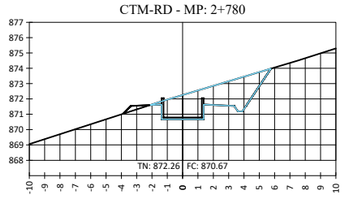

CTM-RD - MP: 2+760



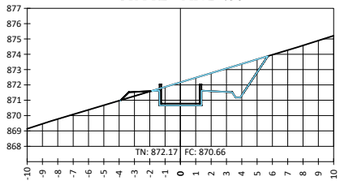

CTM-RD - MP: 2+770



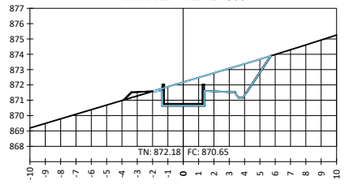

CTM-RD - MP: 2+780



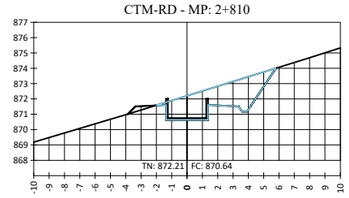

CTM-RD - MP: 2+790



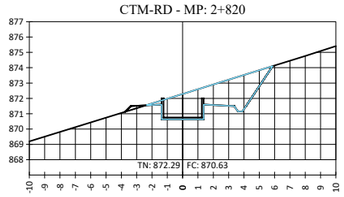

CTM-RD - MP: 2+800



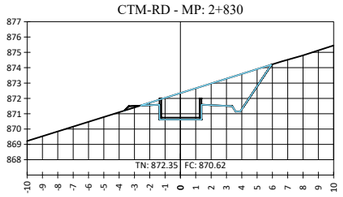

CTM-RD - MP: 2+810



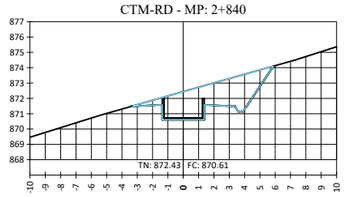

CTM-RD - MP: 2+820



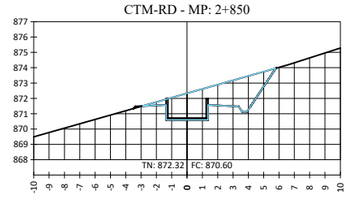

CTM-RD - MP: 2+830



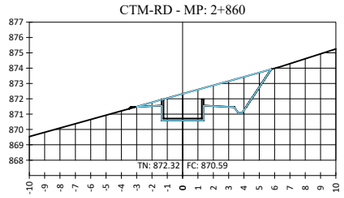

CTM-RD - MP: 2+840



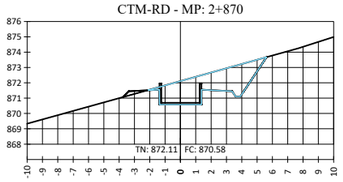

CTM-RD - MP: 2+850



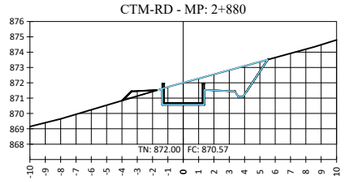

CTM-RD - MP: 2+860



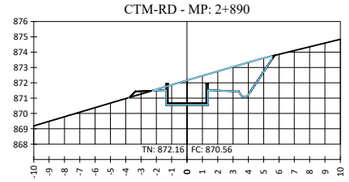

CTM-RD - MP: 2+870




CTM-RD - MP: 2+880




CTM-RD - MP: 2+890




SHER
INGÉNIÉRIE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-CTM-RD_SV-I6 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | I/200 |
| DATE | 06-2025 |

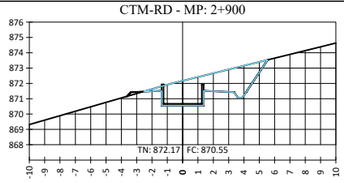
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

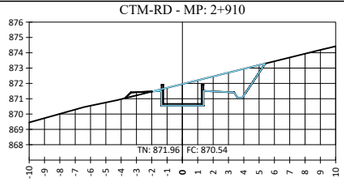
Coupes en travers

CTM-RD - PM 2+690 - 2+890

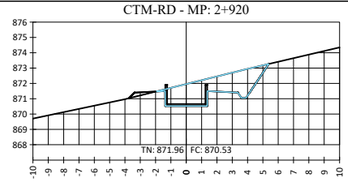
CTM-RD - MP: 2+900



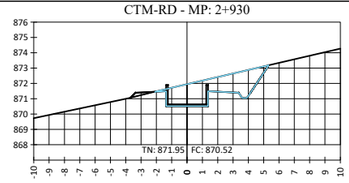

CTM-RD - MP: 2+910



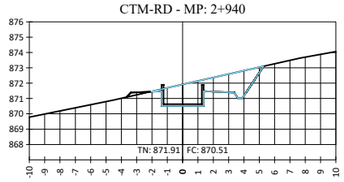

CTM-RD - MP: 2+920



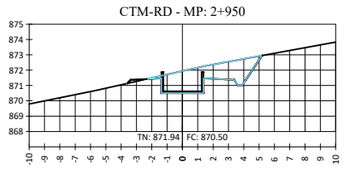

CTM-RD - MP: 2+930



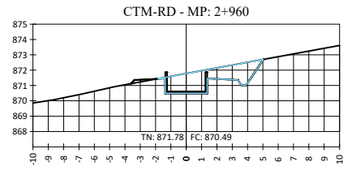

CTM-RD - MP: 2+940



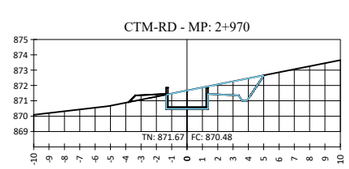

CTM-RD - MP: 2+950



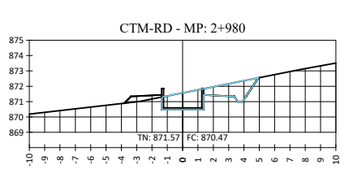

CTM-RD - MP: 2+960



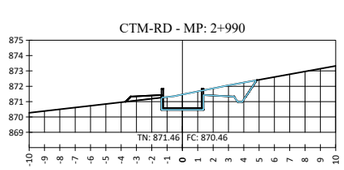

CTM-RD - MP: 2+970



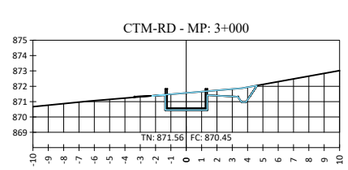

CTM-RD - MP: 2+980



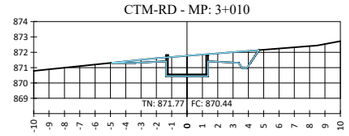

CTM-RD - MP: 2+990



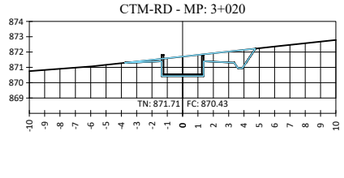

CTM-RD - MP: 3+000



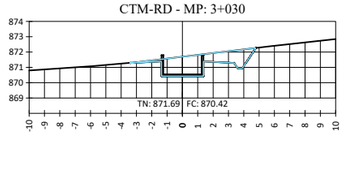

CTM-RD - MP: 3+010



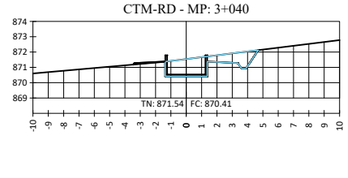

CTM-RD - MP: 3+020



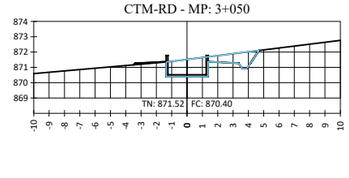

CTM-RD - MP: 3+030



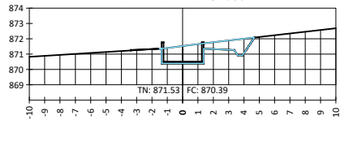

CTM-RD - MP: 3+040



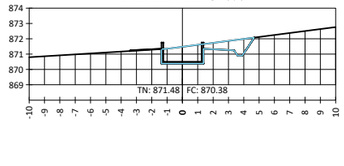

CTM-RD - MP: 3+050



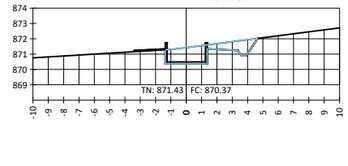

CTM-RD - MP: 3+060



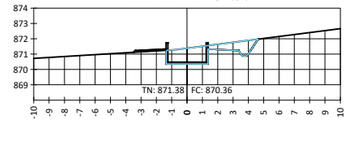

CTM-RD - MP: 3+070



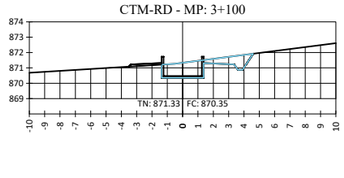

CTM-RD - MP: 3+080



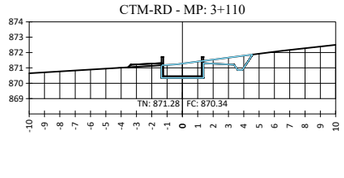

CTM-RD - MP: 3+090



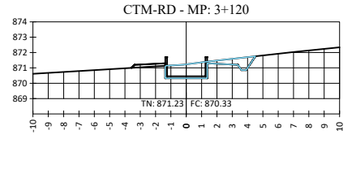

CTM-RD - MP: 3+100



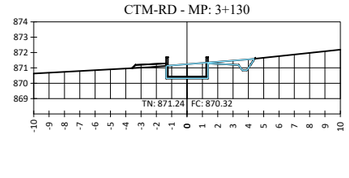

CTM-RD - MP: 3+110




CTM-RD - MP: 3+120




CTM-RD - MP: 3+130




SHER
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-CTM-RD_SV-I7 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | I/200 |
| DATE | 06-2025 |

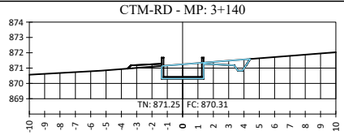
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

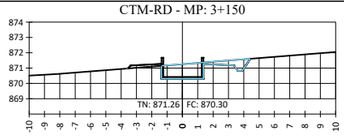
Coupes en travers

CTM-RD - PM 2+890 - 3+130

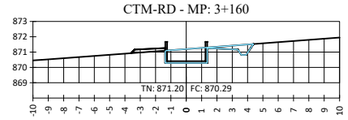
CTM-RD - MP: 3+140



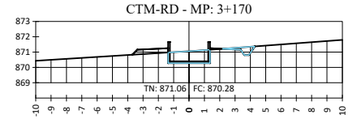

CTM-RD - MP: 3+150



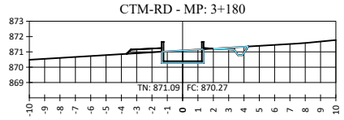

CTM-RD - MP: 3+160



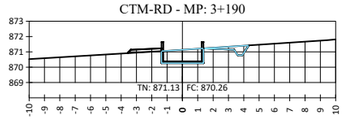

CTM-RD - MP: 3+170



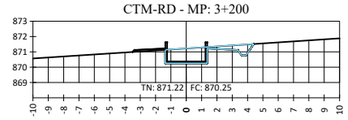

CTM-RD - MP: 3+180



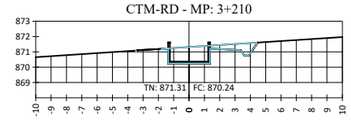

CTM-RD - MP: 3+190




CTM-RD - MP: 3+200




CTM-RD - MP: 3+210




15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-CTM-RD_SV-I8 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | I/200 |
| DATE | 06-2025 |

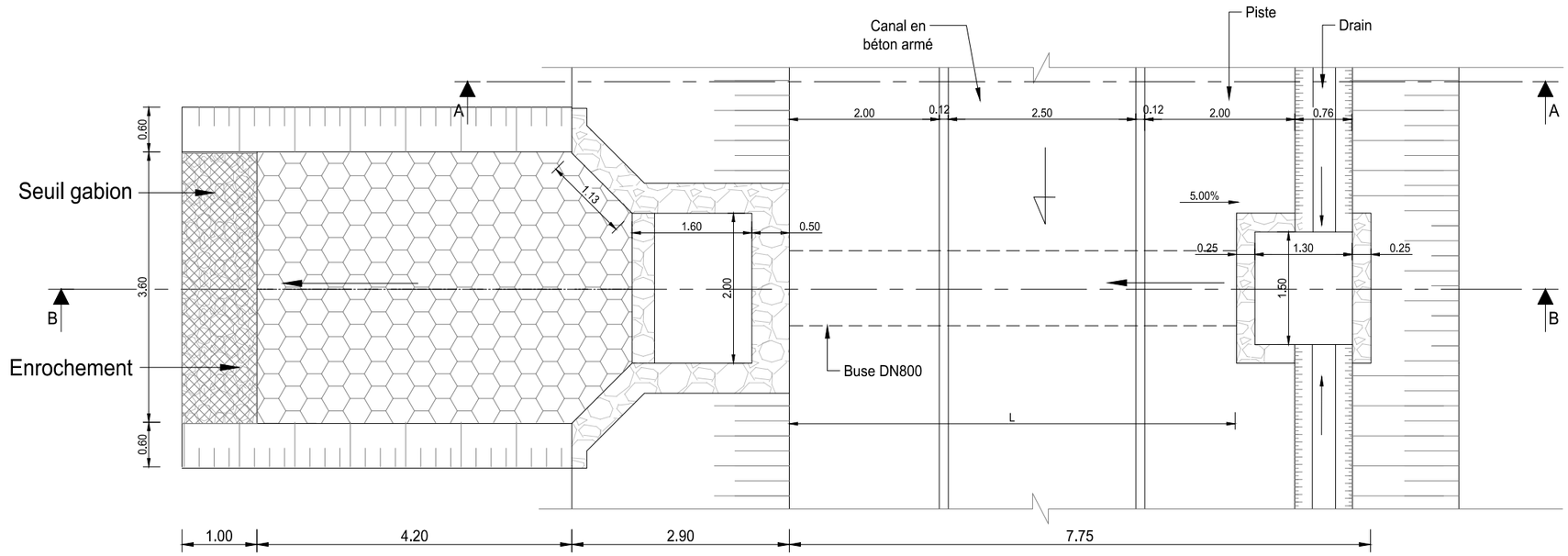
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

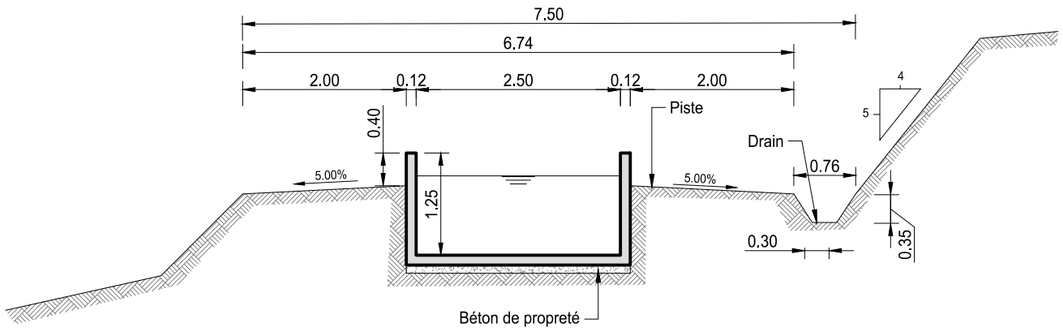
Coupes en travers

CTM-RD - PM 3+130 - 3+210

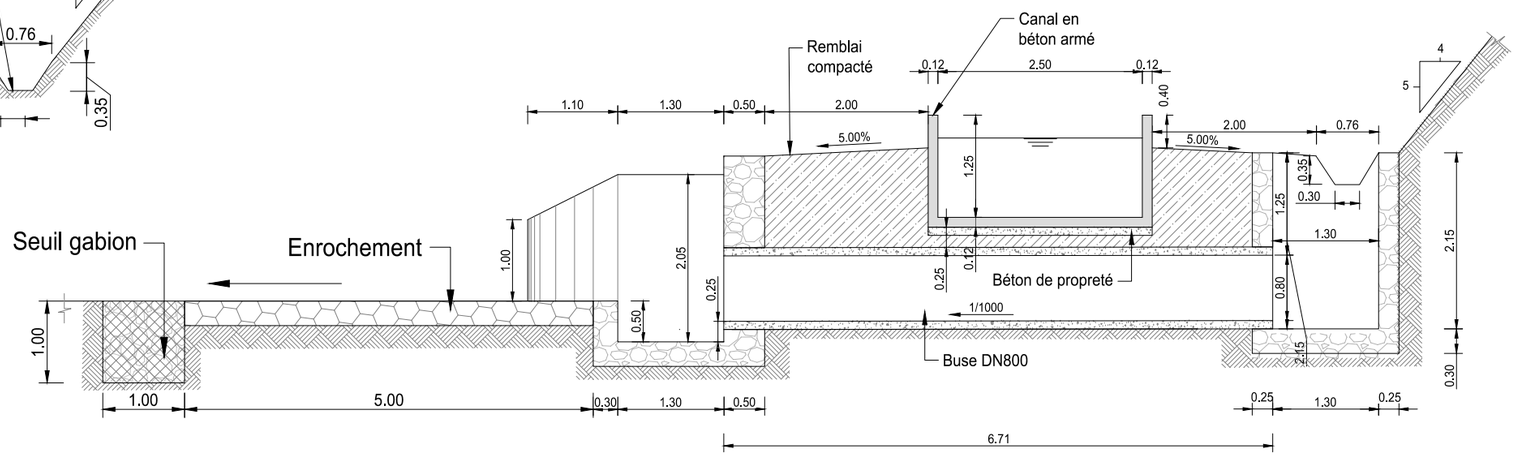
## Vue en plan




## Coupe A-A




## Coupe B-B




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Enrochement | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

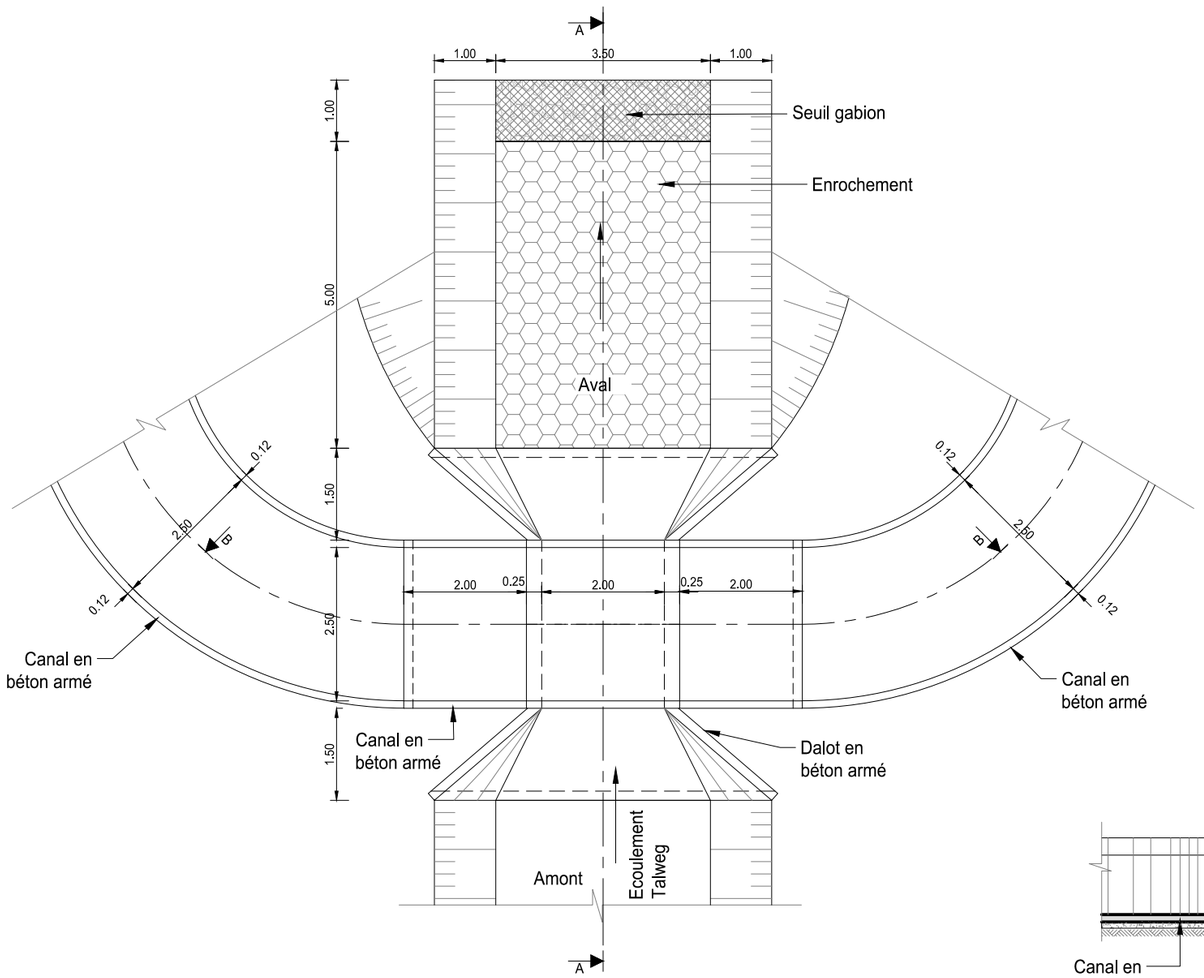
| | |
|---|---|
| REF. | PT-OUVR_CTM-RD-01 |
| DESSINE | SHER |
| VERSION | PROVISOIRE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/75 |
| DATE | 04-2025 |

REVUE APD KABURANTWA

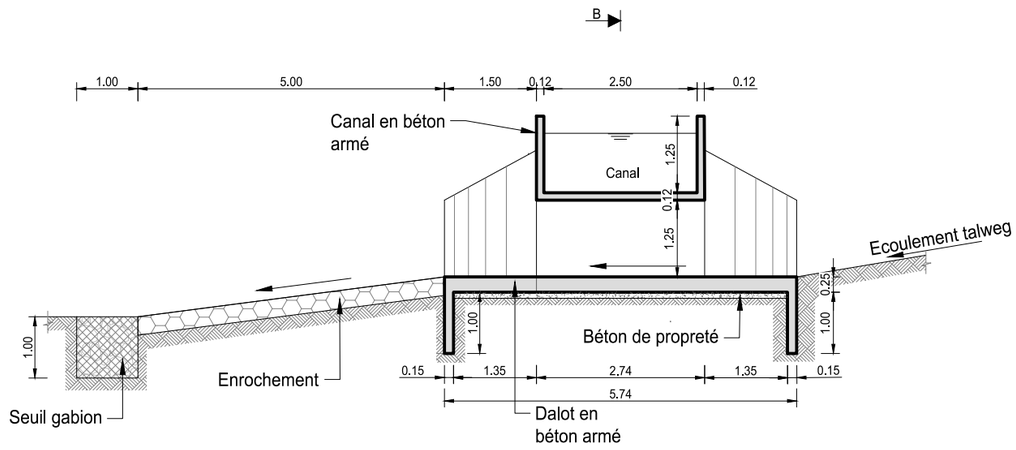
*KABURANTWA - MOBILISATION RESSOURCES EN EAU*

**Ouvrages CTM-RD - Buse drainage fossé de colature**

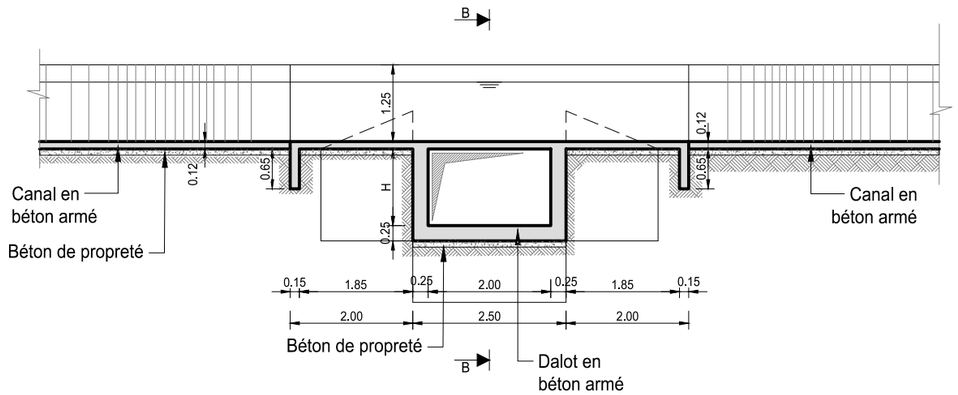
## Vue en plan




## Coupe A-A




## Coupe B-B




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Enrochement | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

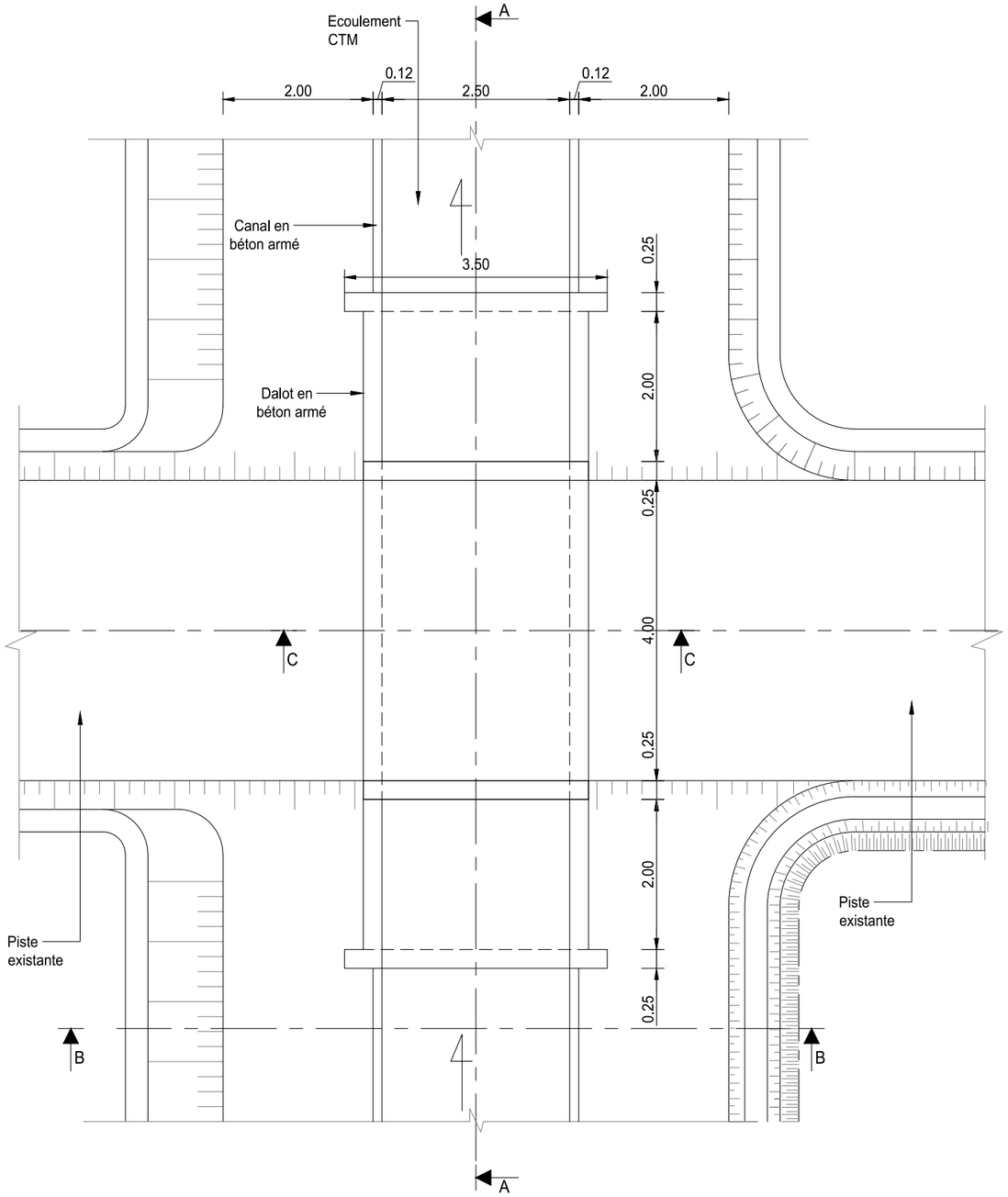
| | |
|---|---|
| REF. | PT-OUVR_CTM-RD-02 |
| DESSINE | SHER |
| VERSION | PROVISOIRE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | I/75 |
| DATE | 04-2025 |

REVUE APD KABURANTWA

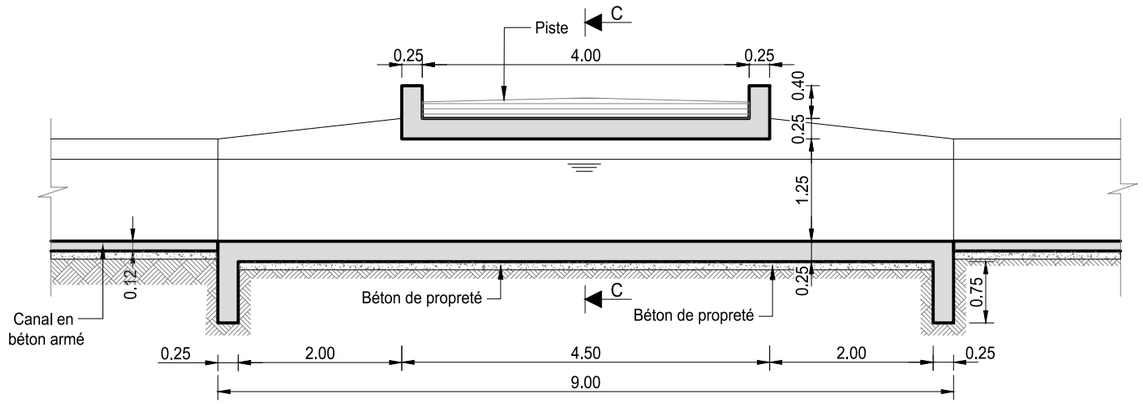
*KABURANTWA - MOBILISATION RESSOURCES EN EAU*

Ouvrages CTM-RD - Franchissement thalwegs

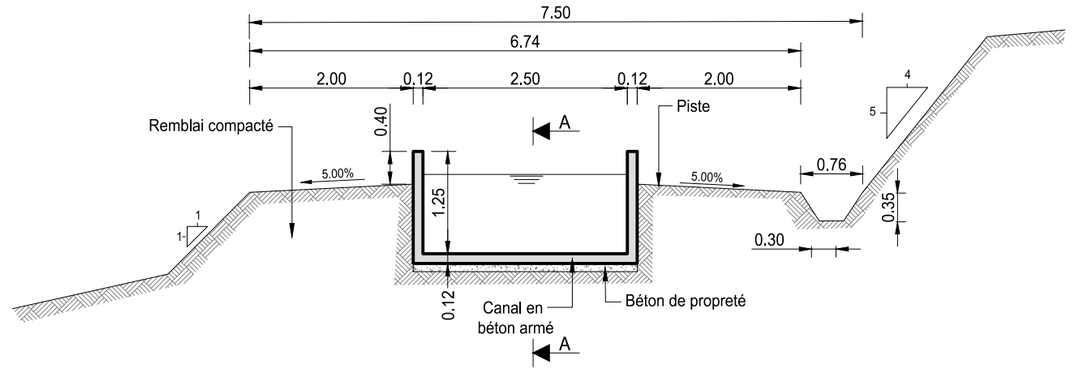
## Vue en plan



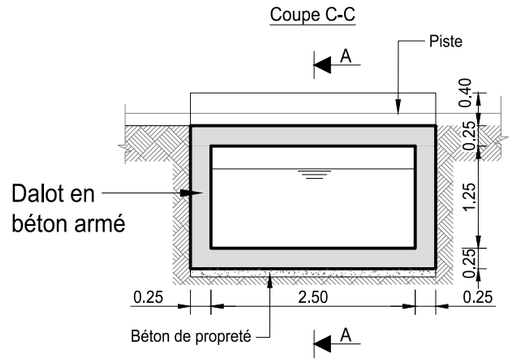

## Coupe A-A




## Coupe A-A




## Coupe C-C




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Enrochement | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

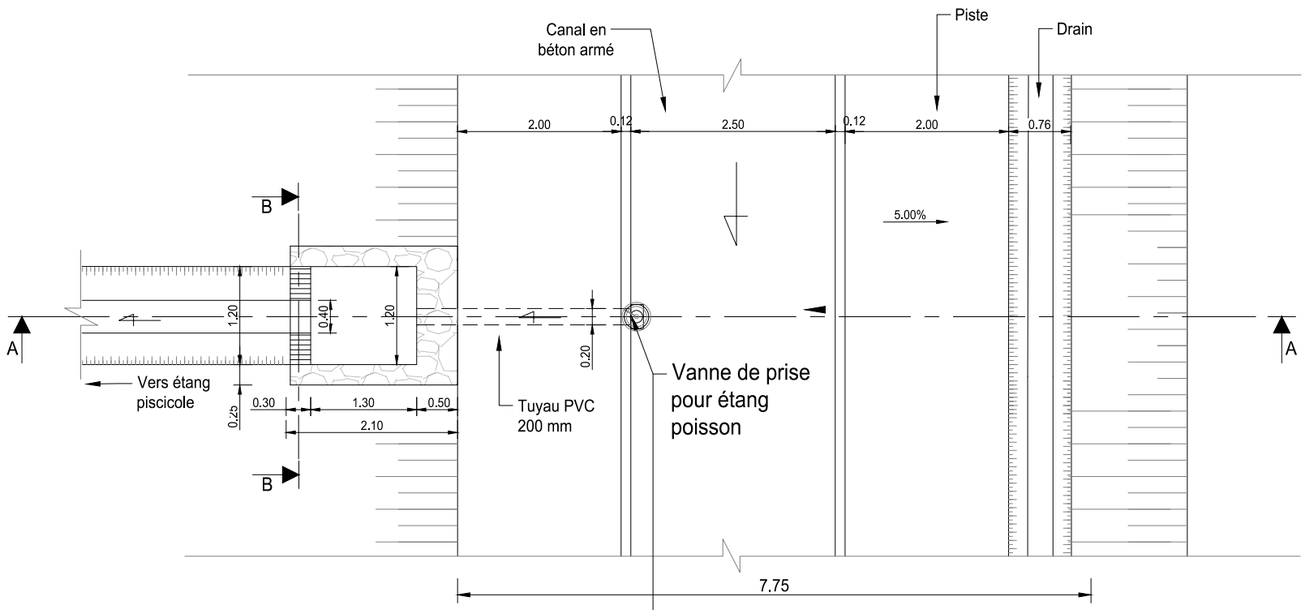
| | |
|---|---|
| REF. | PT-OUVR_CTM-RD-03 |
| DESSINE | SHER |
| VERSION | PROVISOIRE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/75 |
| DATE | 04-2025 |

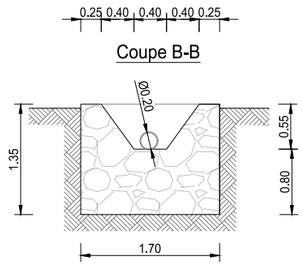
REVUE APD KABURANTWA

*KABURANTWA - MOBILISATION RESSOURCES EN EAU*

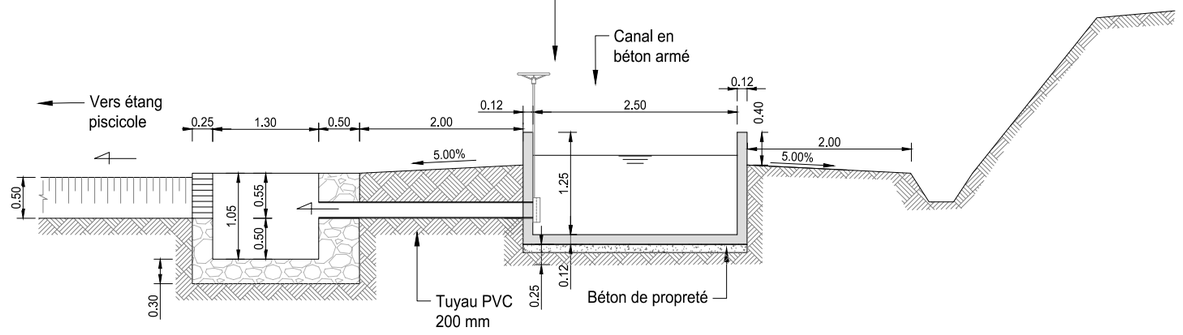
Ouvrages CTM-RD - Franchissement piste

Vue en plan




Coupe A-A




Légende

| | |
|---|---|
| Béton armé | Enrochement |
| Béton de propreté | Remblai compacté |
| Maçonnerie | Fouille |
| Talus | Gabion |


15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | PT-OUVR_CTM-RD-04 |
| DESSINE | SHER |
| VERSION | PROVISOIRE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/75 |
| DATE | 04-2025 |

REVUE APD KABURANTWA

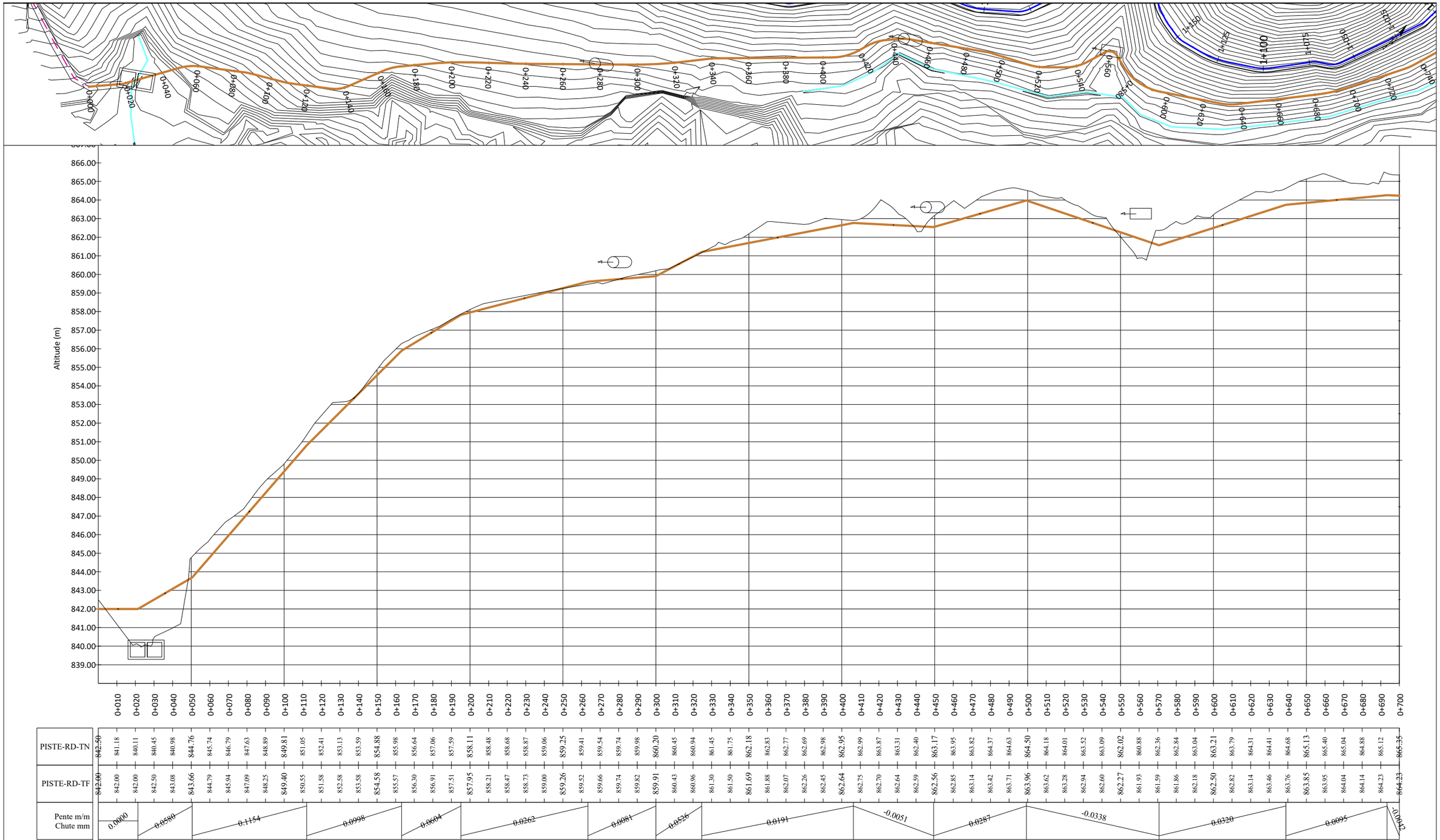
*KABURANTWA - MOBILISATION RESSOURCES EN EAU*

CTM-Prise pour étang piscicole

# Piste d'accès

# Profils en long et en travers

# Ouvrages de la piste d'accès




Borne : B#
Prise sur émissaire (PREM) :
Prise pour canal primaire (PRCP) :
Prise double pour canal primaire (PRCPX2) :
Prise pour canal secondaire/tertiaire (PRCS)/(PRCT) :
Prise pour canal secondaire/tertiaire double (PRCSX2)/(PRCTX2) :
Prise pour arroseur (PRAR) :
Prise pour arroseur double (PRARX2) :
Déversoir de sécurité (DS) :

Dalot pour canal sous piste (DC) :
Dalot simple (DP) :
Dalot simple existant (DP-E) :
Buse pour arroseur :
Chute verticale (CH) :
Coursier (CS) :
Aqueduc (AQ) :
Partiteur fixe (PA) :

Pont (PT) :
Passerelle (PL) :
Source (SR):
Siphon :

**Profil en long**

Terrain naturel (TN):
Projet - terrain fini (TF) :

Terrain fini correspond a la cote de la plateforme de la piste. L'épaisseur de la couche de roulement est de 0,15 m

**Vue en plan**

Courbes de niveau primaires :
Courbes de niveau secondaires :
Canal d'amenée:
Canal tête morte:
Canal primaire :
Canal secondaire :
Canal tertiaire :
Canal quaternaire :
Canal arroseur :
Drain primaire :

Piste principale/Route nationale :
Piste secondaire/Transversale :
Piste tertiaire/résidentielle
Piste réhabilitée
Rivière/Emissaire :
Limite de secteurs:
Zone humide, marais :
Zone urbanisée :
Zone non irrigable :

SHER
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

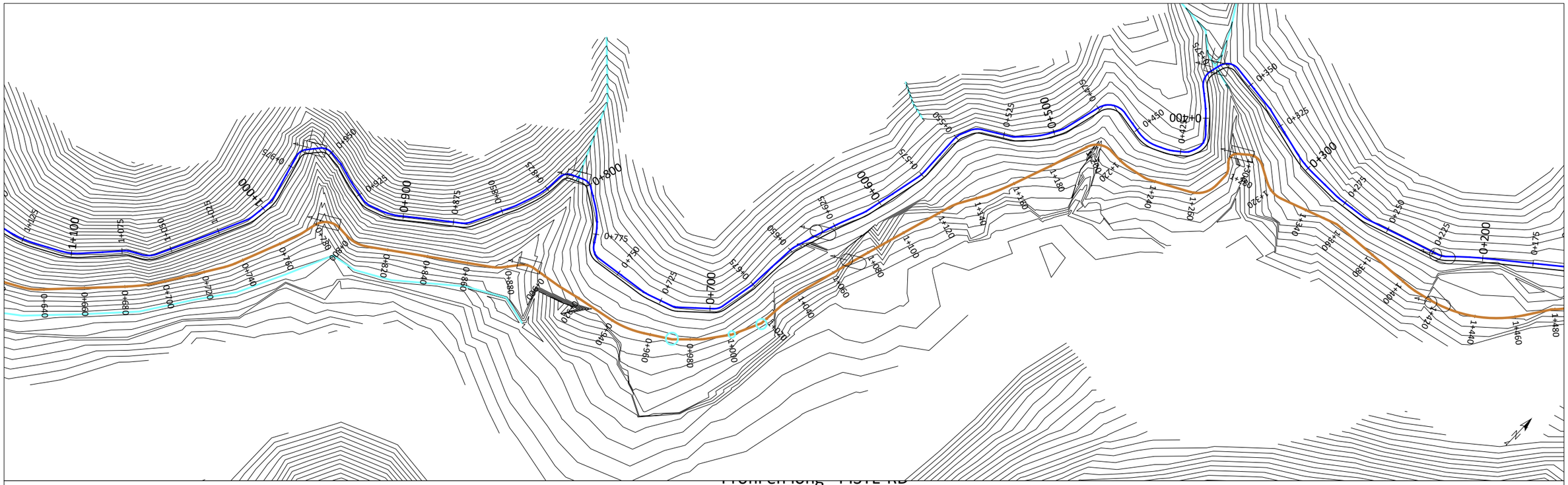
| | |
|---|---|
| REF. | PL-PISTE-RD-01 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | V : 1/200 - H : 1/2000 |
| DATE | 06-2025 |

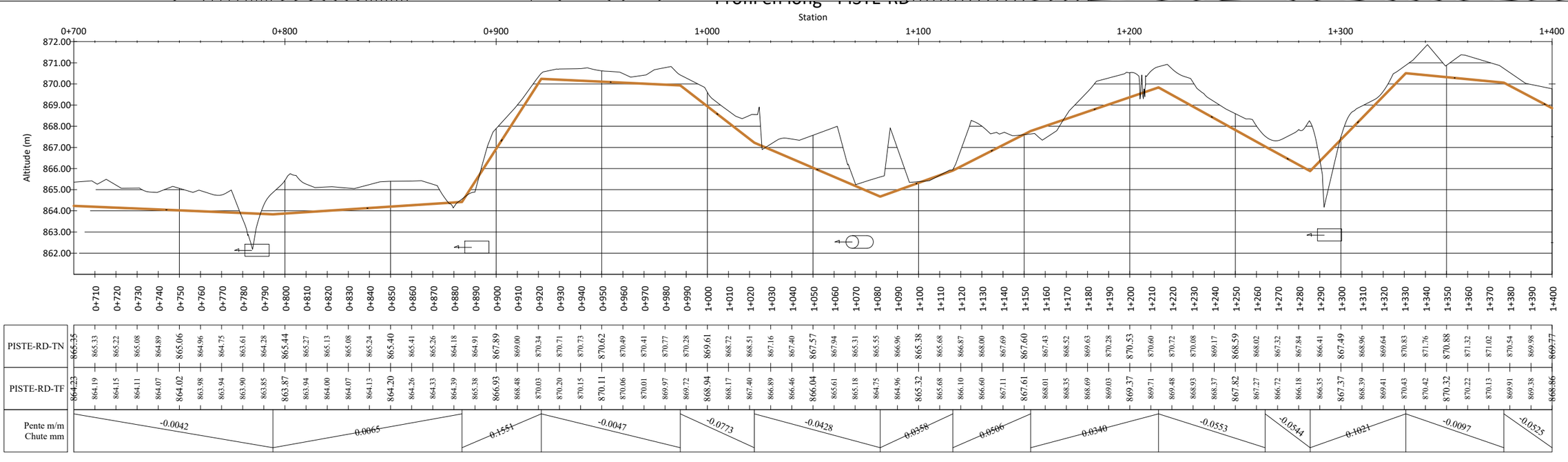
APD Kaburantwa

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

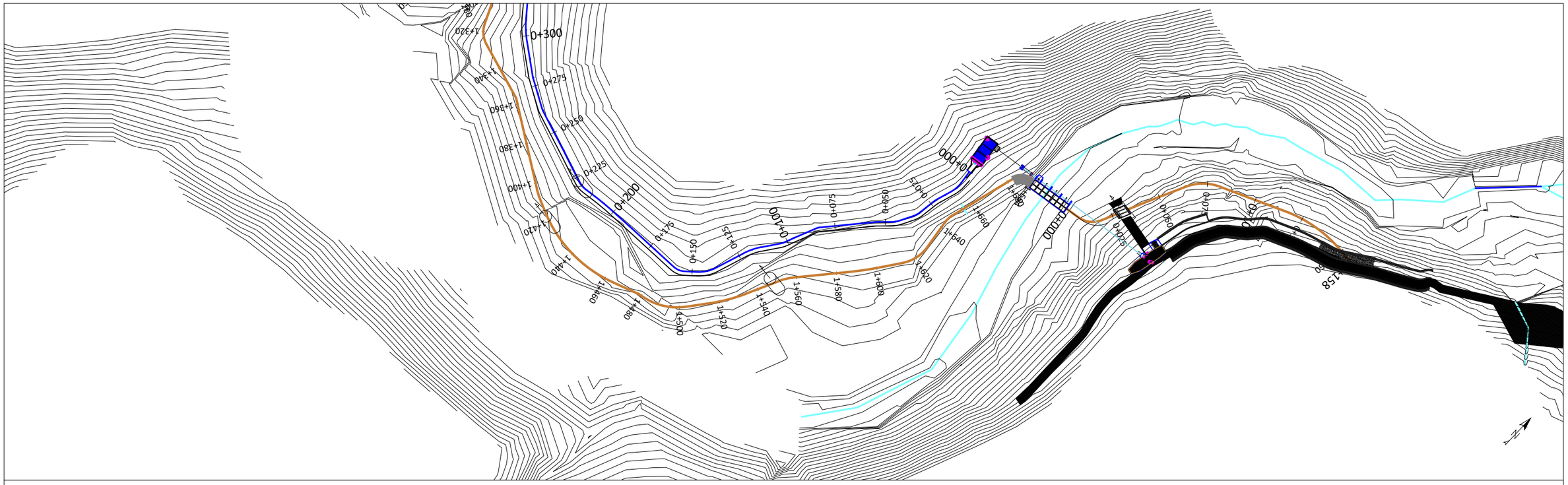
**PROFIL EN LONG & VUE EN PLAN**

**PISTE PM 0+000 - 0+700**

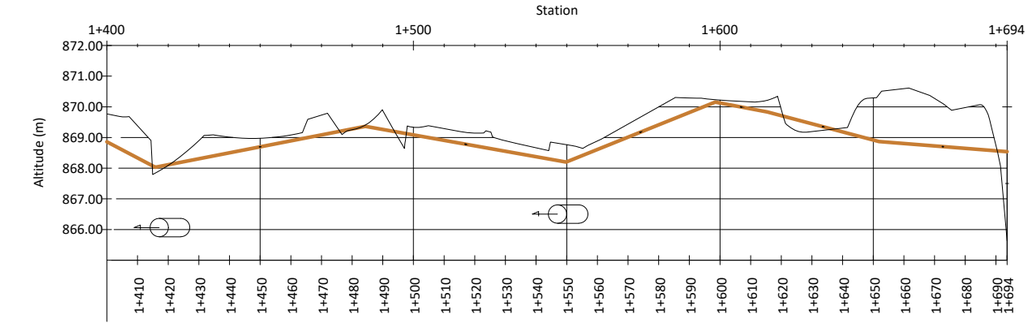





| | 0+710 | 0+720 | 0+730 | 0+740 | 0+750 | 0+760 | 0+770 | 0+780 | 0+790 | 0+800 | 0+810 | 0+820 | 0+830 | 0+840 | 0+850 | 0+860 | 0+870 | 0+880 | 0+890 | 0+900 | 0+910 | 0+920 | 0+930 | 0+940 | 0+950 | 0+960 | 0+970 | 0+980 | 0+990 | 1+000 | 1+010 | 1+020 | 1+030 | 1+040 | 1+050 | 1+060 | 1+070 | 1+080 | 1+090 | 1+100 | 1+110 | 1+120 | 1+130 | 1+140 | 1+150 | 1+160 | 1+170 | 1+180 | 1+190 | 1+200 | 1+210 | 1+220 | 1+230 | 1+240 | 1+250 | 1+260 | 1+270 | 1+280 | 1+290 | 1+300 | 1+310 | 1+320 | 1+330 | 1+340 | 1+350 | 1+360 | 1+370 | 1+380 | 1+390 | 1+400 |
|---|---|---




## Profil en long - PISTE-RD




Borne : B#
Prise sur émissaire (PREM) :
Prise pour canal primaire (PRCP) :
Prise double pour canal primaire (PRCPX2) :
Prise pour canal secondaire/tertiaire (PRCS)/(PRCT) :
Prise pour canal secondaire/tertiaire double (PRCSX2)/(PRCTX2) :
Prise pour arroseur (PRAR) :
Prise pour arroseur double (PRARX2) :
Déversoir de sécurité (DS) :

Dalot pour canal sous piste (DC) :
Dalot simple (DP) :
Dalot simple existant (DP-E) :
Buse pour arroseur :
Chute verticale (CH) :
Coursier (CS) :
Aqueduc (AQ) :
Partiteur fixe (PA) :

Pont (PT) :
Passerelle (PL) :
Source (SR):
Siphon :

**Profil en long**

Terrain naturel (TN):
Projet - terrain fini (TF) :

Terrain fini correspond a la cote de la plateforme de la piste. L'épaisseur de la couche de roulement est de 0,15 m

**Vue en plan**

Courbes de niveau primaires :
Courbes de niveau secondaires :
Canal d'amenée:
Canal tête morte:
Canal primaire :
Canal secondaire :
Canal tertiaire :
Canal quaternaire :
Canal arroseur :
Drain primaire :

Piste principale/Route nationale :
Piste secondaire/Transversale :
Piste tertiaire/résidentielle
Piste réhabilitée
Rivière/Emissaire :
Limite de secteurs:
Zone humide, marais :
Zone urbanisée :
Zone non irrigable :

SHER
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

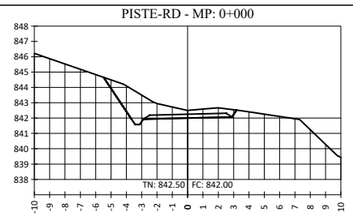
| | |
|---|---|
| REF. | PL-PISTE-RD-03 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | V : 1/200 - H : 1/2000 |
| DATE | 06-2025 |

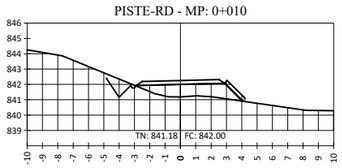
APD Kaburantwa

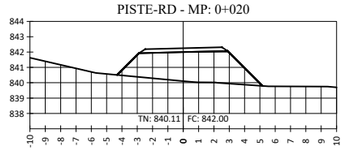
*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

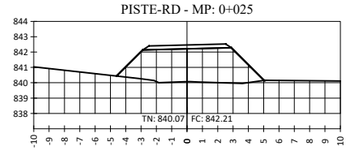
**PROFIL EN LONG & VUE EN PLAN**

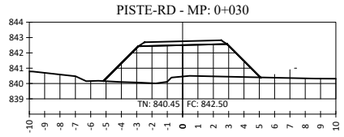
**PISTE PM 1+400 - 1+694**

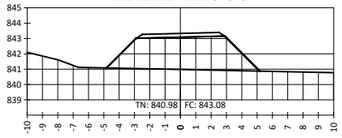


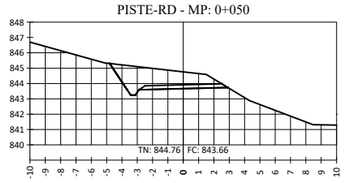



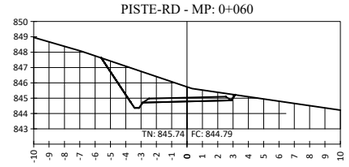



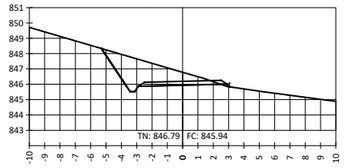



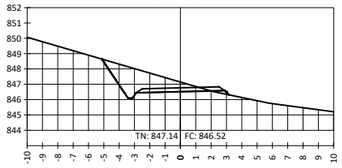



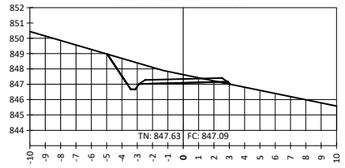



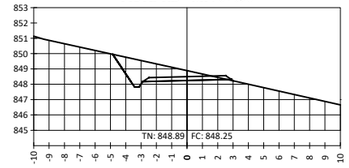



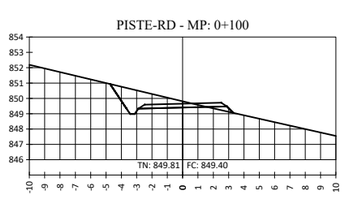



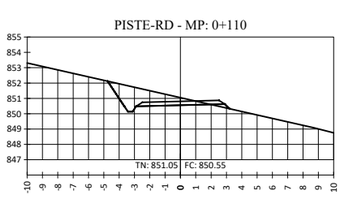



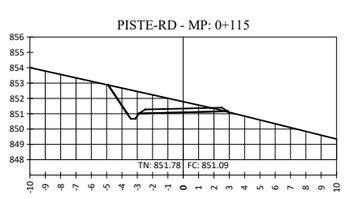



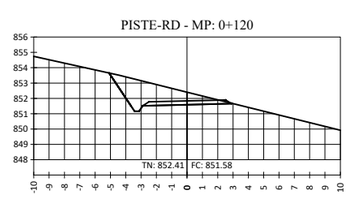



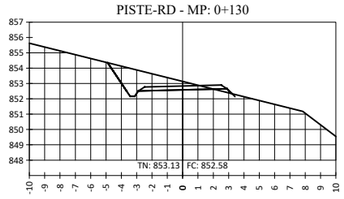



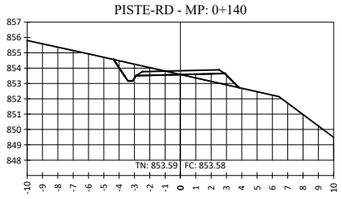



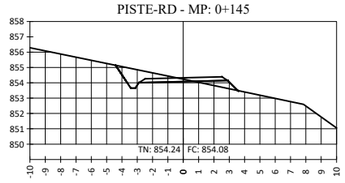



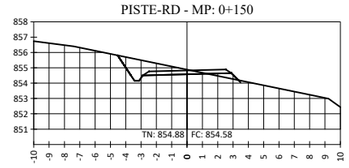




PROFIL EN TRAVERS

TERRAIN NATUREL (TN): _____

PROJET - TERRAIN FINI (TF) : _____

TERRAIN FINI DE LA PISTE CORRESPOND A LA COTE DE LA PLATEFORME.
L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

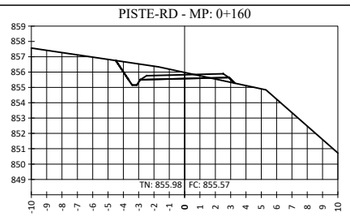
| | |
|---|---|
| REF. | SV-PISTE-RD-SV-01 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

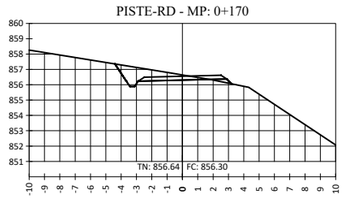
APD KABURANTWA

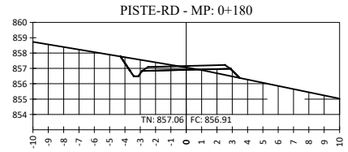
*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

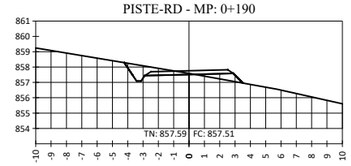
Coupes en travers

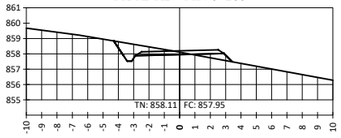
PISTE-RD - PM 0+000 - 0+150

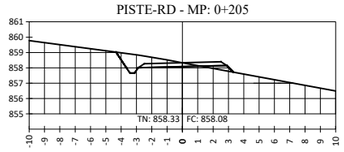


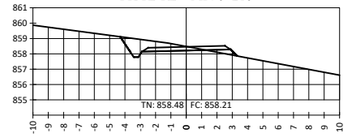



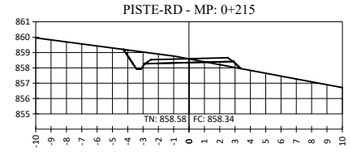



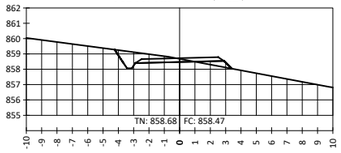



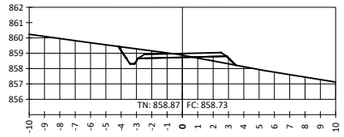



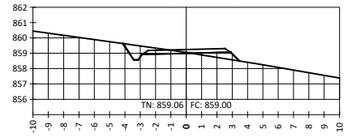



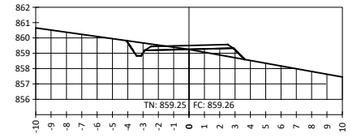



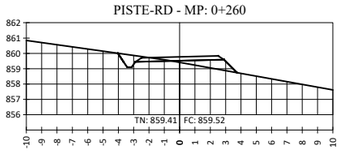



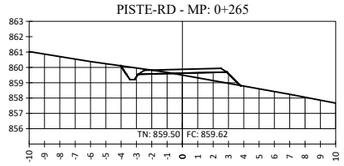



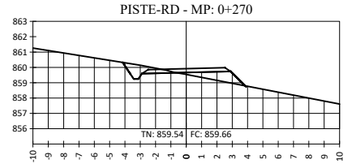



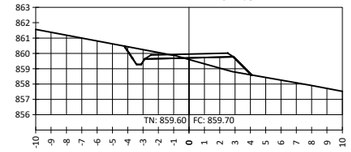



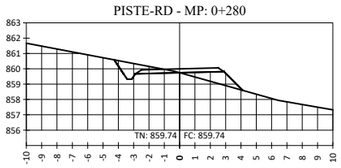



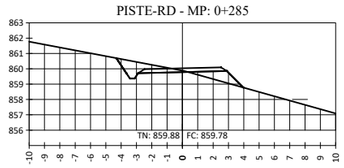



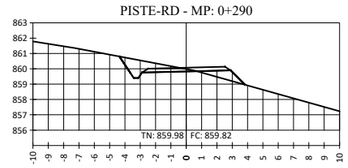



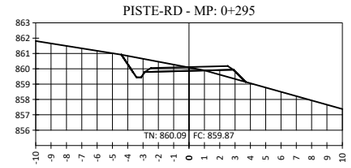




## PROFIL EN TRAVERS

TERRAIN NATUREL (TN): _____

PROJET - TERRAIN FINI (TF) : _____

TERRAIN FINI DE LA PISTE CORRESPOND A LA COTE DE LA PLATEFORME.
L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

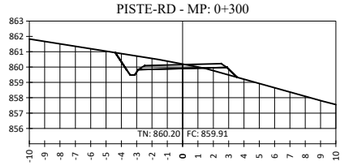
| | |
|---|---|
| REF. | SV-PISTE-RD-SV-02 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

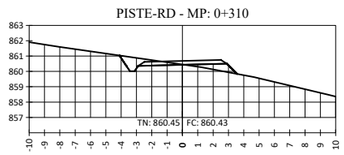
APD KABURANTWA

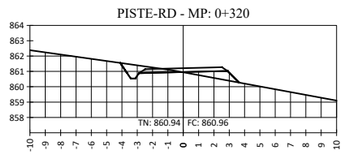
*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

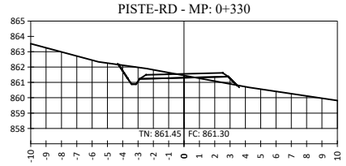
Coupes en travers

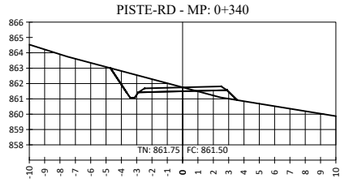
PISTE-RD - PM 0+160 - 0+295

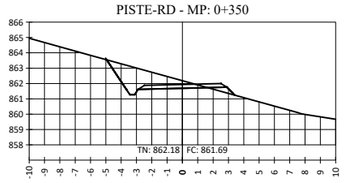


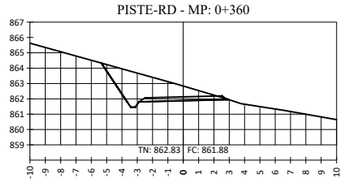



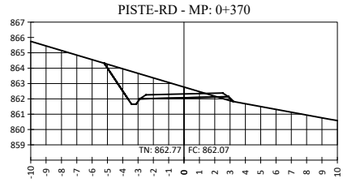



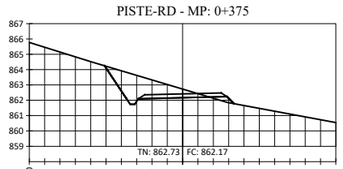



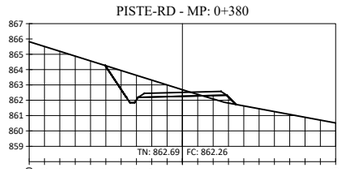



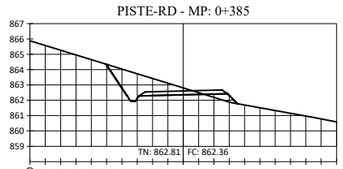



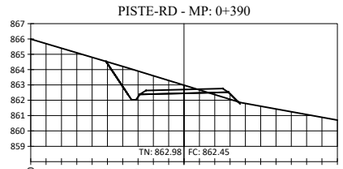



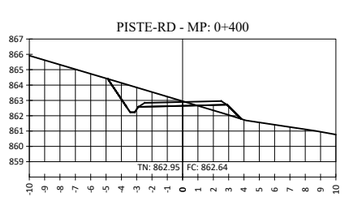



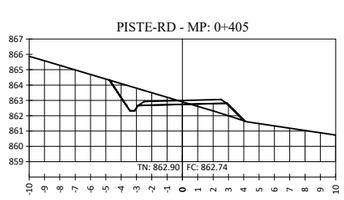



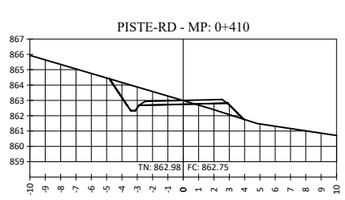



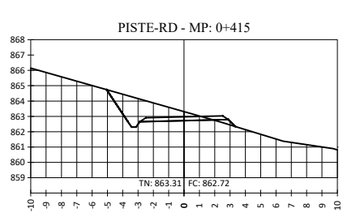



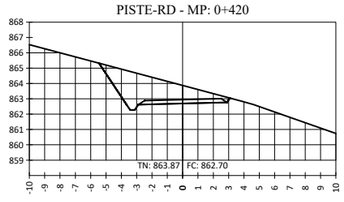



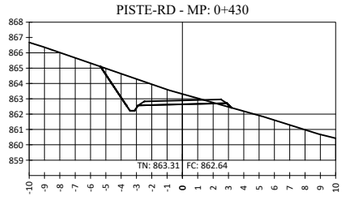



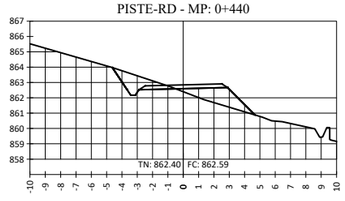



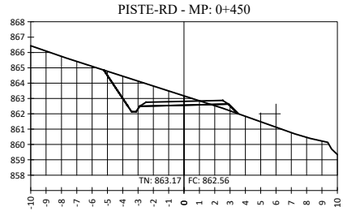




PROFIL EN TRAVERS

TERRAIN NATUREL (TN): _____

PROJET - TERRAIN FINI (TF) : _____

TERRAIN FINI DE LA PISTE CORRESPOND A LA COTE DE LA PLATEFORME.
L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-PISTE-RD-SV-03 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

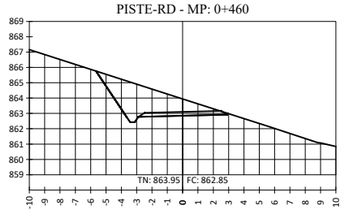
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

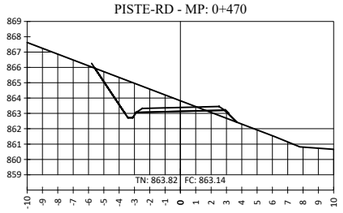
Coupes en travers

PISTE-RD - PM 0+300 - 0+450

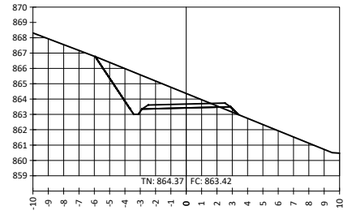
PISTE-RD - MP: 0+460



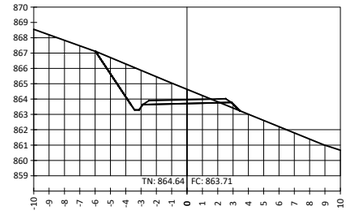

PISTE-RD - MP: 0+470



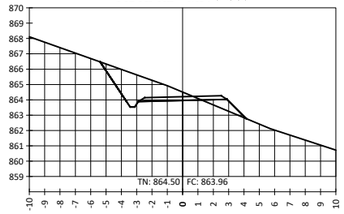

PISTE-RD - MP: 0+480



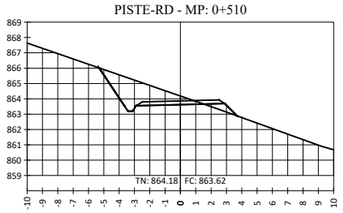

PISTE-RD - MP: 0+490



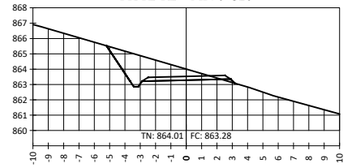

PISTE-RD - MP: 0+500



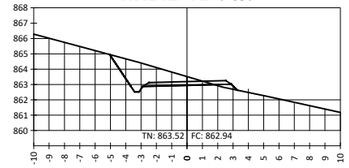

PISTE-RD - MP: 0+510



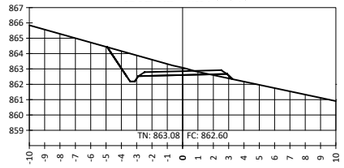

PISTE-RD - MP: 0+520



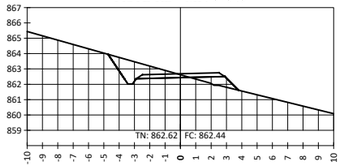

PISTE-RD - MP: 0+530



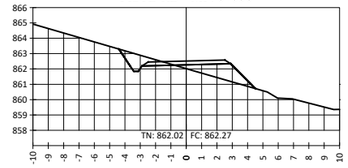

PISTE-RD - MP: 0+540



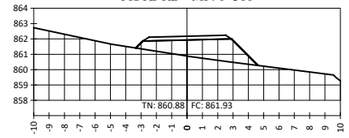

PISTE-RD - MP: 0+545



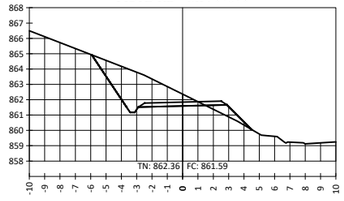

PISTE-RD - MP: 0+550



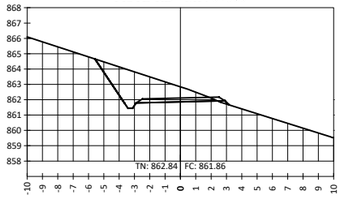

PISTE-RD - MP: 0+560



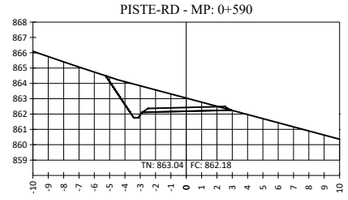

PISTE-RD - MP: 0+570



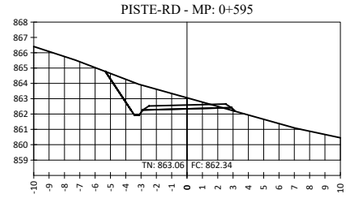

PISTE-RD - MP: 0+580



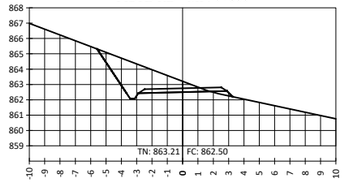

PISTE-RD - MP: 0+590



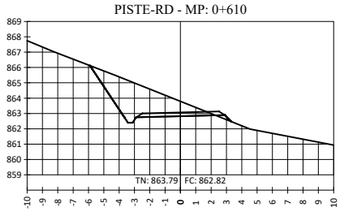

PISTE-RD - MP: 0+595



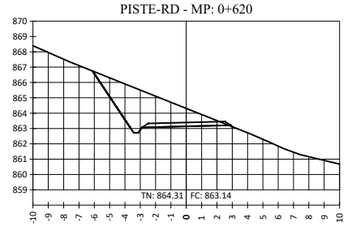

PISTE-RD - MP: 0+600



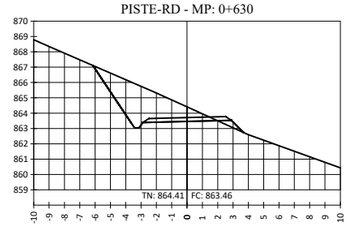

PISTE-RD - MP: 0+610




PISTE-RD - MP: 0+620




PISTE-RD - MP: 0+630




## PROFIL EN TRAVERS

TERRAIN NATUREL (TN): _____

PROJET - TERRAIN FINI (TF) : _____

TERRAIN FINI DE LA PISTE CORRESPOND A LA COTE DE LA PLATEFORME.
L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-PISTE-RD-SV-04 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

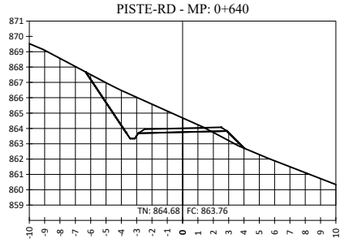
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

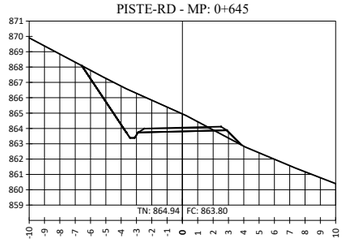
Coupes en travers

PISTE-RD - PM 0+460 - 0+630

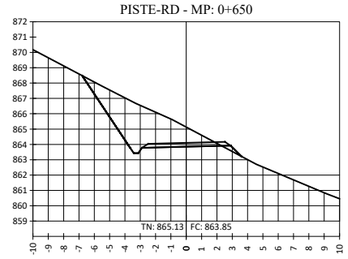
PISTE-RD - MP: 0+640



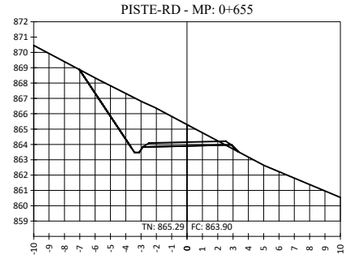

PISTE-RD - MP: 0+645



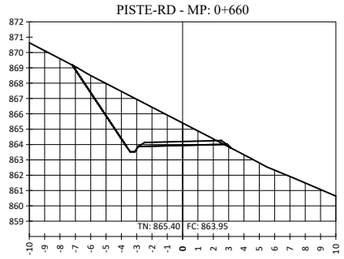

PISTE-RD - MP: 0+650



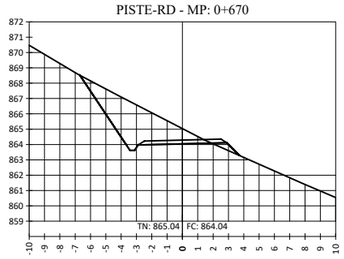

PISTE-RD - MP: 0+655



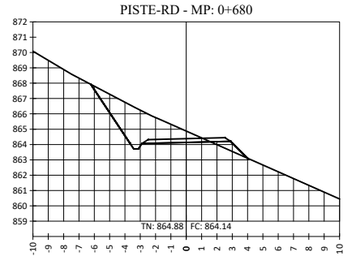

PISTE-RD - MP: 0+660



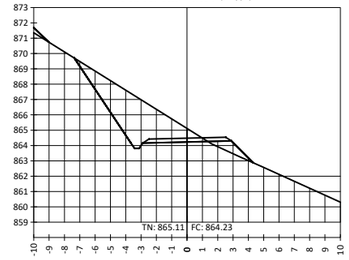

PISTE-RD - MP: 0+670



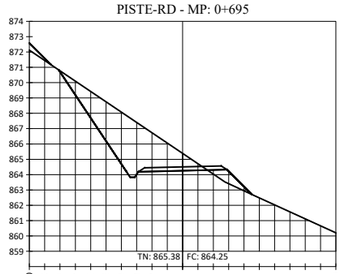

PISTE-RD - MP: 0+680



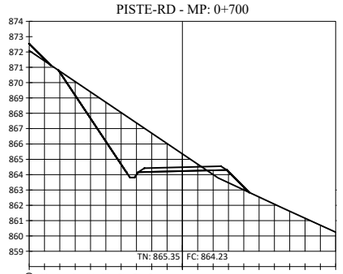

PISTE-RD - MP: 0+690



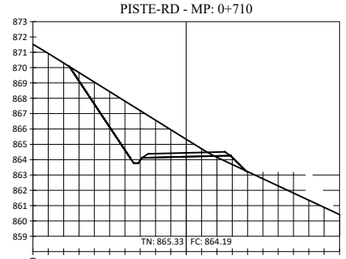

PISTE-RD - MP: 0+695



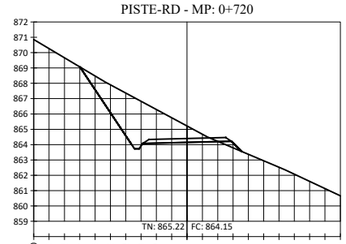

PISTE-RD - MP: 0+700



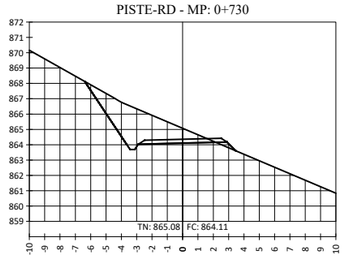

PISTE-RD - MP: 0+710



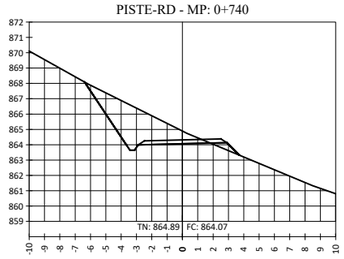

PISTE-RD - MP: 0+720



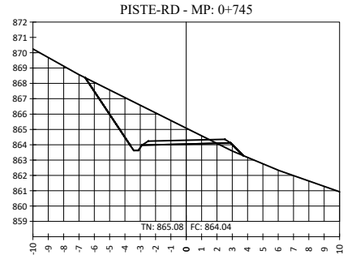

PISTE-RD - MP: 0+730



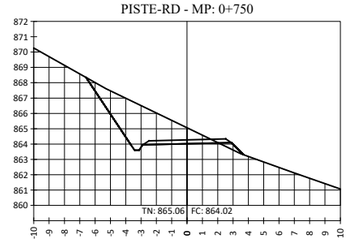

PISTE-RD - MP: 0+740




PISTE-RD - MP: 0+745




PISTE-RD - MP: 0+750




## PROFIL EN TRAVERS

TERRAIN NATUREL (TN): _____

PROJET - TERRAIN FINI (TF) : _____

TERRAIN FINI DE LA PISTE CORRESPOND A LA COTE DE LA PLATEFORME.
L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

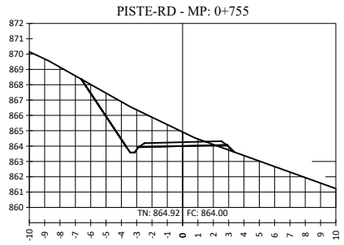
| | |
|---|---|
| REF. | SV-PISTE-RD-SV-05 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

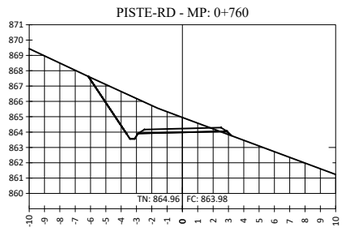
APD KABURANTWA

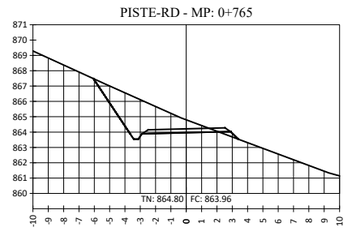
*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

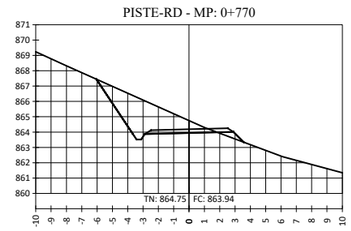
Coupes en travers

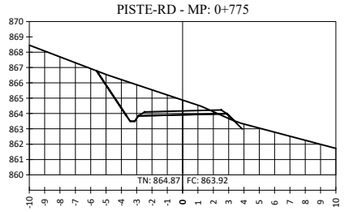
PISTE-RD - PM 0+640 - 0+750

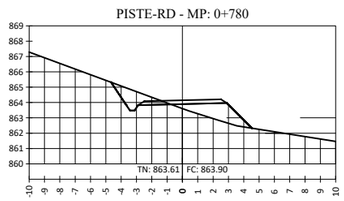


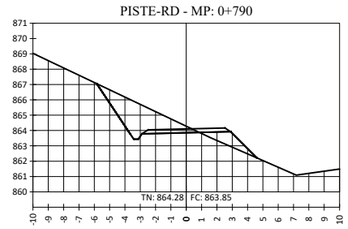



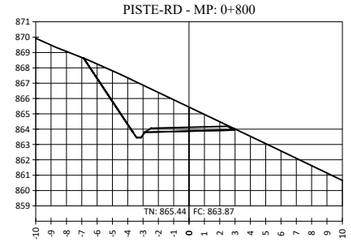



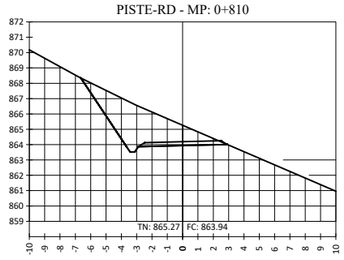



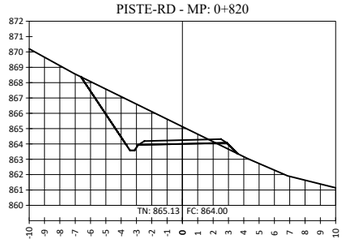



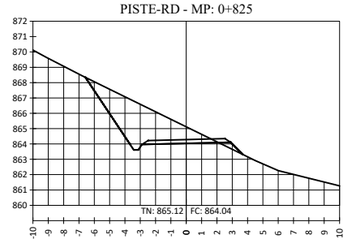



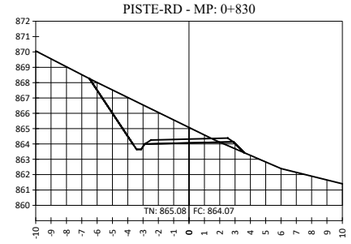



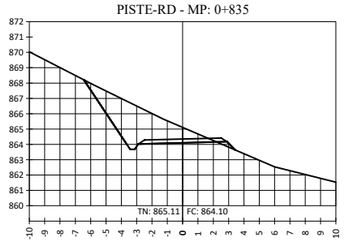



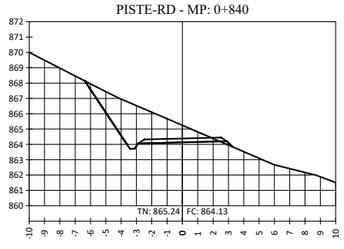



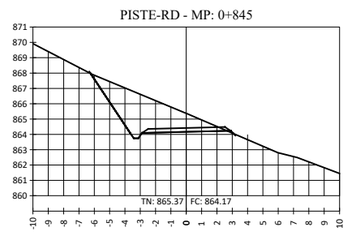



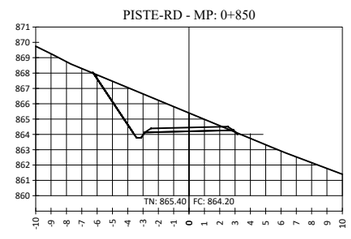




## PROFIL EN TRAVERS

TERRAIN NATUREL (TN): _____

PROJET - TERRAIN FINI (TF) : _____

TERRAIN FINI DE LA PISTE CORRESPOND A LA COTE DE LA PLATEFORME.
L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-PISTE-RD-SV-06 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

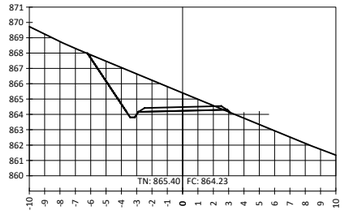
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

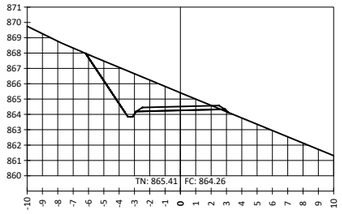
Coupes en travers

PISTE-RD - PM 0+755 - 0+850

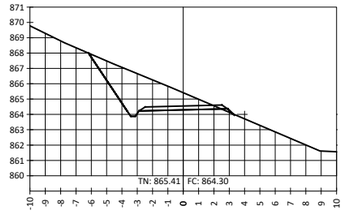
PISTE-RD - MP: 0+855



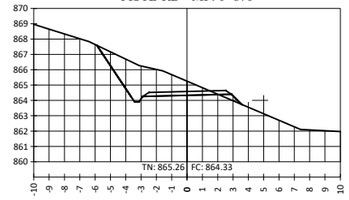

PISTE-RD - MP: 0+860



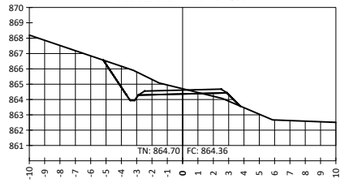

PISTE-RD - MP: 0+865



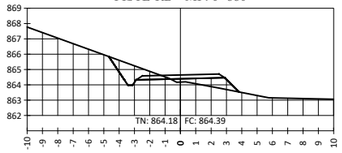

PISTE-RD - MP: 0+870



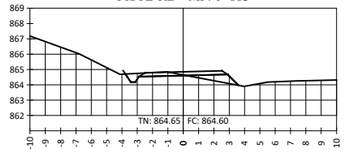

PISTE-RD - MP: 0+875



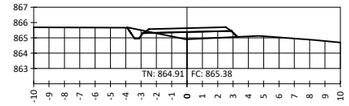

PISTE-RD - MP: 0+880



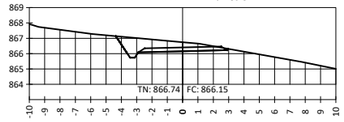

PISTE-RD - MP: 0+885



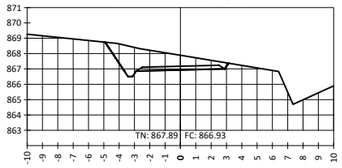

PISTE-RD - MP: 0+890



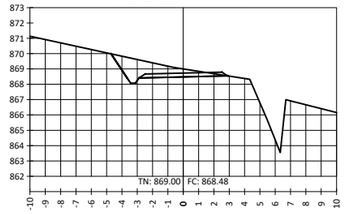

PISTE-RD - MP: 0+895



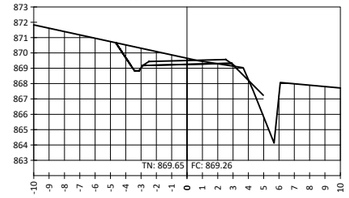

PISTE-RD - MP: 0+900



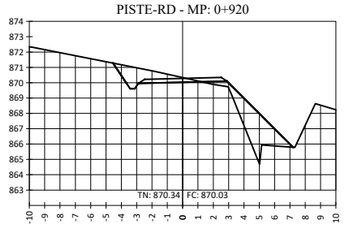

PISTE-RD - MP: 0+910



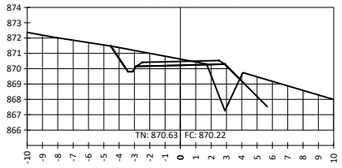

PISTE-RD - MP: 0+915



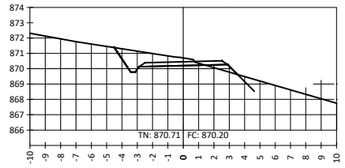

PISTE-RD - MP: 0+920



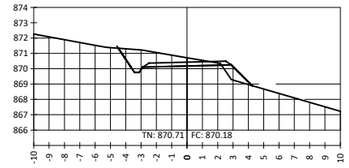

PISTE-RD - MP: 0+925



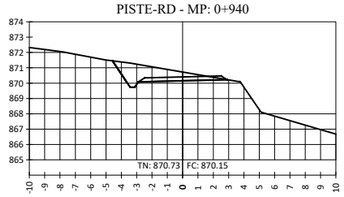

PISTE-RD - MP: 0+930



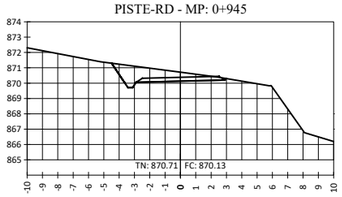

PISTE-RD - MP: 0+935



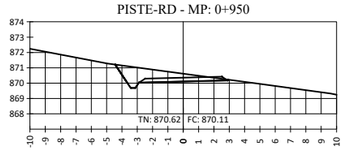

PISTE-RD - MP: 0+940



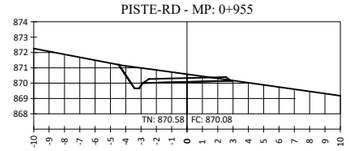

PISTE-RD - MP: 0+945




PISTE-RD - MP: 0+950




PISTE-RD - MP: 0+955




## PROFIL EN TRAVERS

TERRAIN NATUREL (TN): _____

PROJET - TERRAIN FINI (TF) : _____

TERRAIN FINI DE LA PISTE CORRESPOND A LA COTE DE LA PLATEFORME.
L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

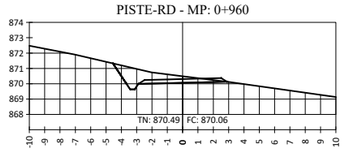
| | |
|---|---|
| REF. | SV-PISTE-RD-SV-07 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

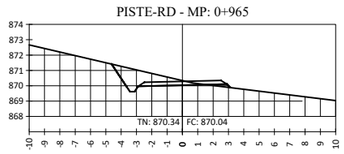
APD KABURANTWA

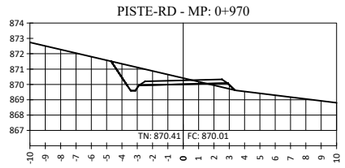
*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

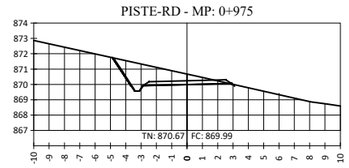
Coupes en travers

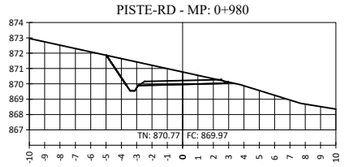
PISTE-RD - PM 0+855 - 0+955

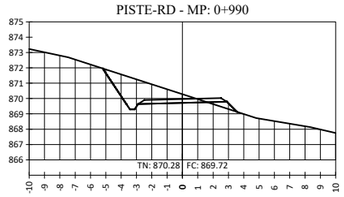


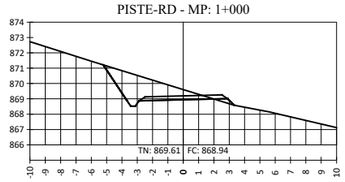



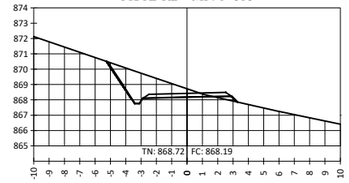



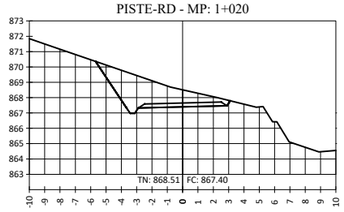



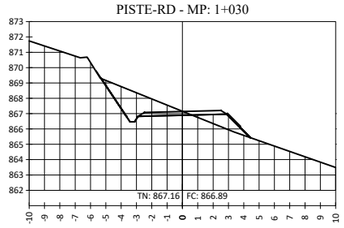



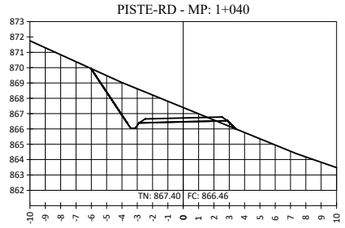



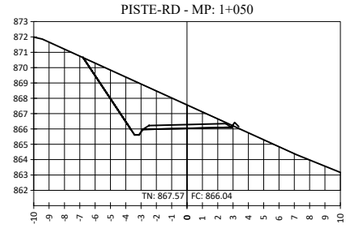



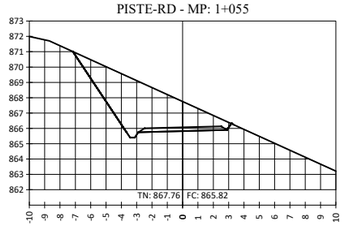



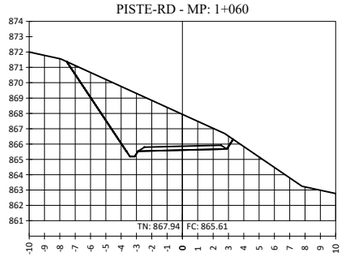



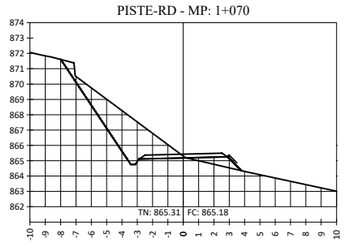



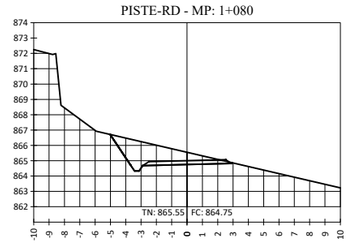




## PROFIL EN TRAVERS

TERRAIN NATUREL (TN): _____

PROJET - TERRAIN FINI (TF) : _____

TERRAIN FINI DE LA PISTE CORRESPOND A LA COTE DE LA PLATEFORME.
L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-PISTE-RD-SV-08 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

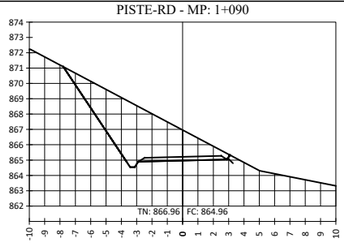
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

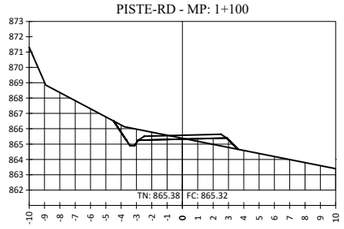
Coupes en travers

PISTE-RD - PM 0+960 - 1+080

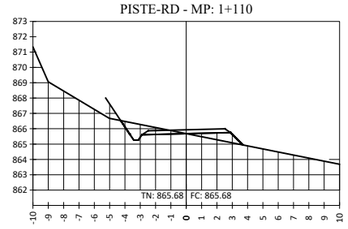
PISTE-RD - MP: 1+090



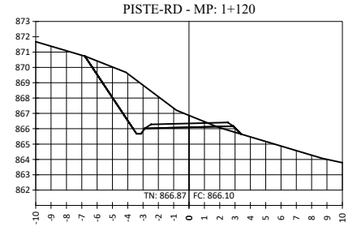

PISTE-RD - MP: 1+100



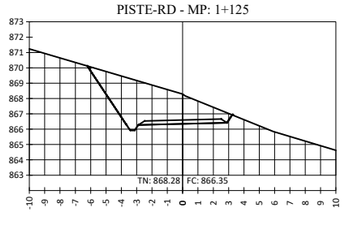

PISTE-RD - MP: 1+110



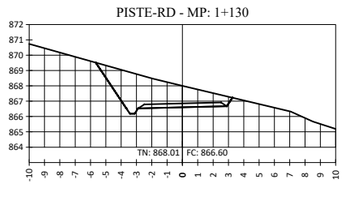

PISTE-RD - MP: 1+120



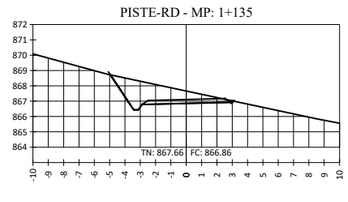

PISTE-RD - MP: 1+125



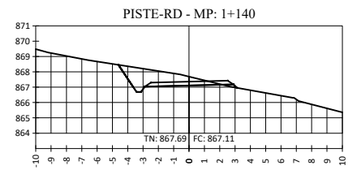

PISTE-RD - MP: 1+130



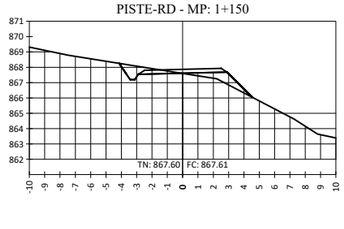

PISTE-RD - MP: 1+135



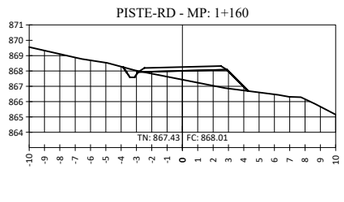

PISTE-RD - MP: 1+140



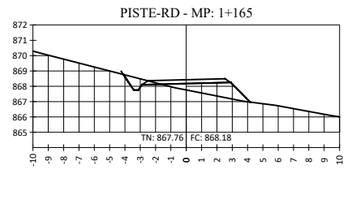

PISTE-RD - MP: 1+150



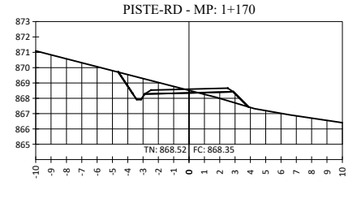

PISTE-RD - MP: 1+160



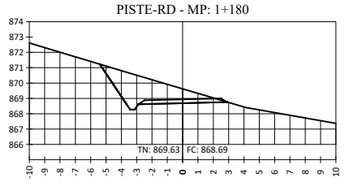

PISTE-RD - MP: 1+165



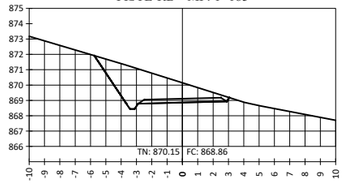

PISTE-RD - MP: 1+170



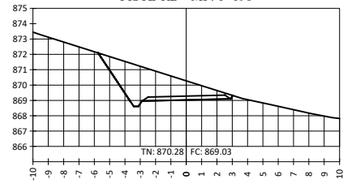

PISTE-RD - MP: 1+180



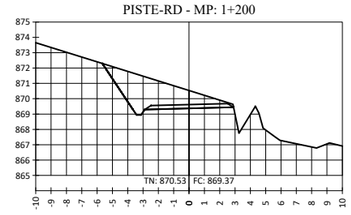

PISTE-RD - MP: 1+185



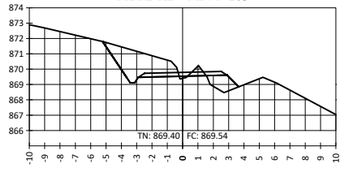

PISTE-RD - MP: 1+190



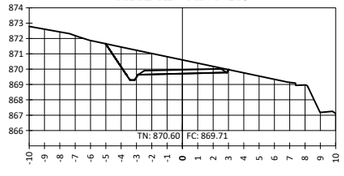

PISTE-RD - MP: 1+200



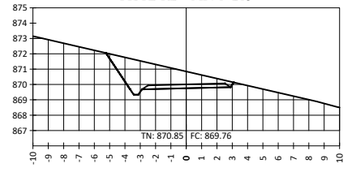

PISTE-RD - MP: 1+205



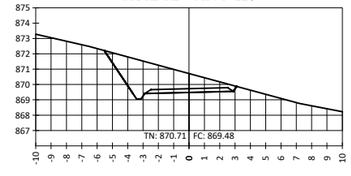

PISTE-RD - MP: 1+210




PISTE-RD - MP: 1+215




PISTE-RD - MP: 1+220




PROFIL EN TRAVERS

TERRAIN NATUREL (TN): _____

PROJET - TERRAIN FINI (TF) : _____

TERRAIN FINI DE LA PISTE CORRESPOND A LA COTE DE LA PLATEFORME.
L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-PISTE-RD-SV-09 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

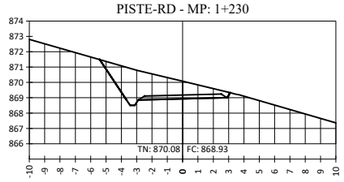
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

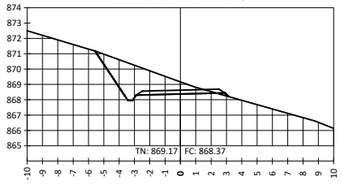
Coupes en travers

PISTE-RD - PM 1+090 - 1+220

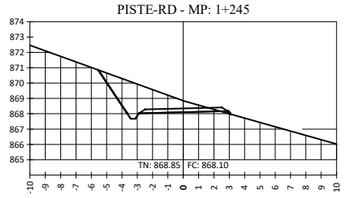
PISTE-RD - MP: 1+230



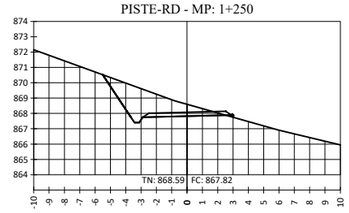

PISTE-RD - MP: 1+240



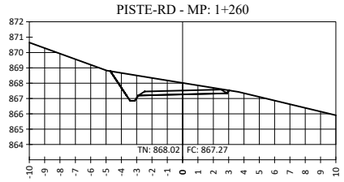

PISTE-RD - MP: 1+245



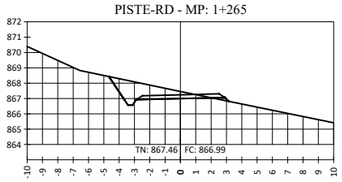

PISTE-RD - MP: 1+250



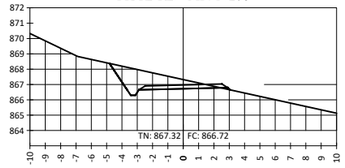

PISTE-RD - MP: 1+260



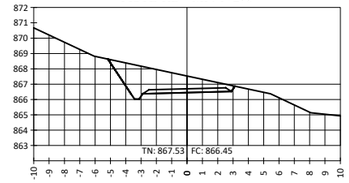

PISTE-RD - MP: 1+265



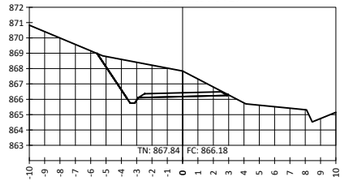

PISTE-RD - MP: 1+270



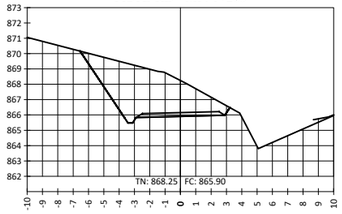

PISTE-RD - MP: 1+275



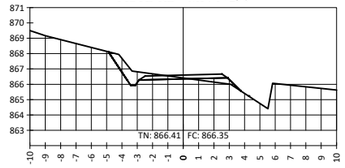

PISTE-RD - MP: 1+280



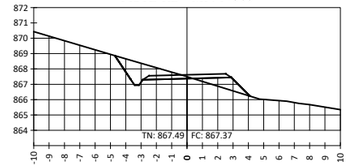

PISTE-RD - MP: 1+285



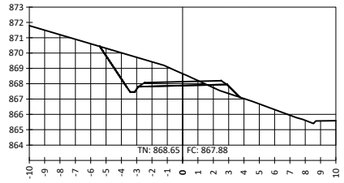

PISTE-RD - MP: 1+290



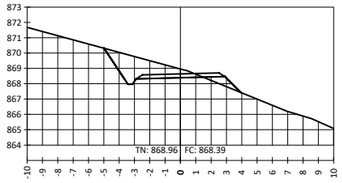

PISTE-RD - MP: 1+300



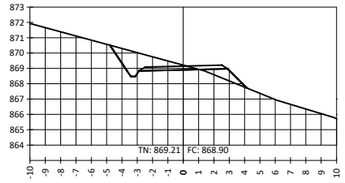

PISTE-RD - MP: 1+305



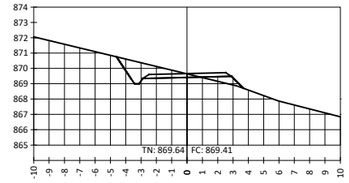

PISTE-RD - MP: 1+310



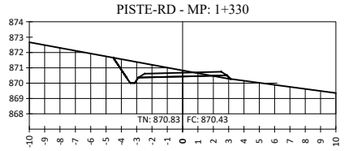

PISTE-RD - MP: 1+315



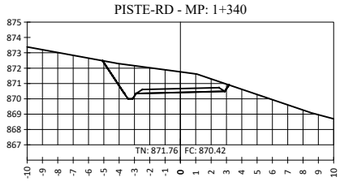

PISTE-RD - MP: 1+320



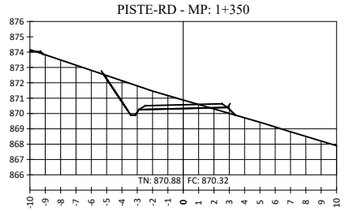

PISTE-RD - MP: 1+330



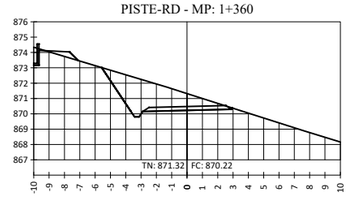

PISTE-RD - MP: 1+340




PISTE-RD - MP: 1+350




PISTE-RD - MP: 1+360




## PROFIL EN TRAVERS

TERRAIN NATUREL (TN): _____

PROJET - TERRAIN FINI (TF) : _____

TERRAIN FINI DE LA PISTE CORRESPOND A LA COTE DE LA PLATEFORME.
L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-PISTE-RD-SV-10 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

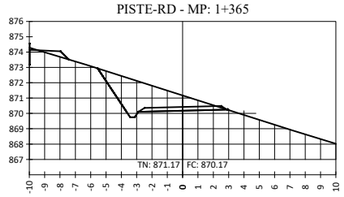
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

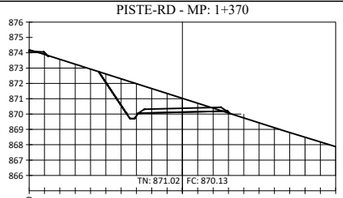
Coupes en travers

PISTE-RD - PM 1+230 - 1+360

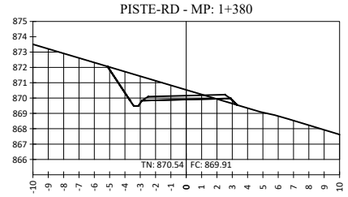
PISTE-RD - MP: 1+365



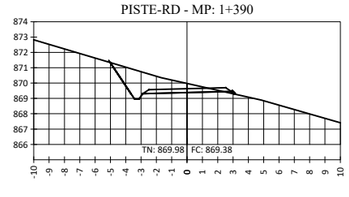

PISTE-RD - MP: 1+370



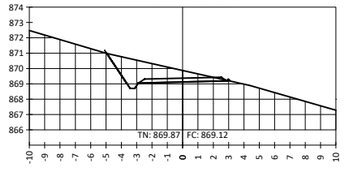

PISTE-RD - MP: 1+380



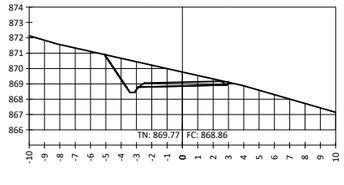

PISTE-RD - MP: 1+390



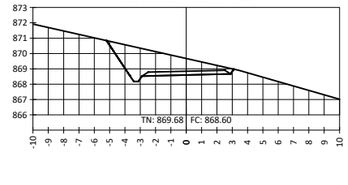

PISTE-RD - MP: 1+395



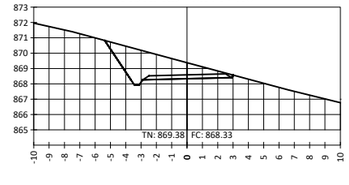

PISTE-RD - MP: 1+400



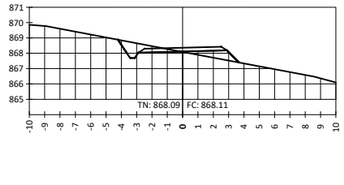

PISTE-RD - MP: 1+405



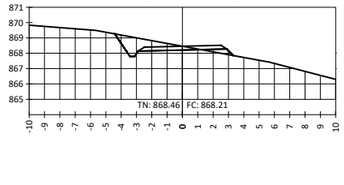

PISTE-RD - MP: 1+410



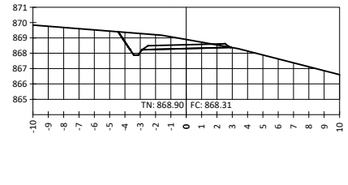

PISTE-RD - MP: 1+420



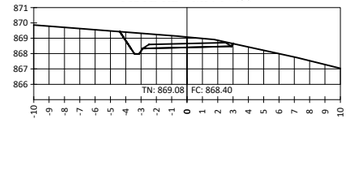

PISTE-RD - MP: 1+425



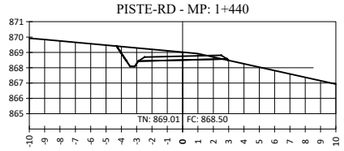

PISTE-RD - MP: 1+430



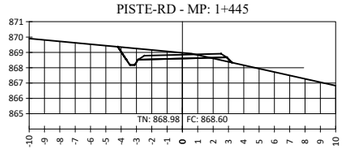

PISTE-RD - MP: 1+435



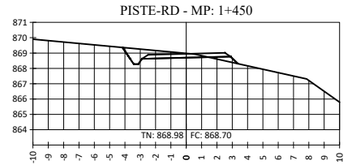

PISTE-RD - MP: 1+440



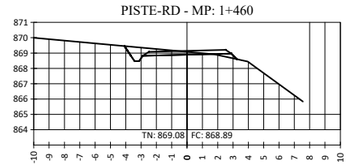

PISTE-RD - MP: 1+445



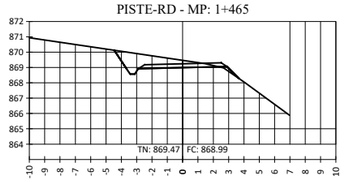

PISTE-RD - MP: 1+450



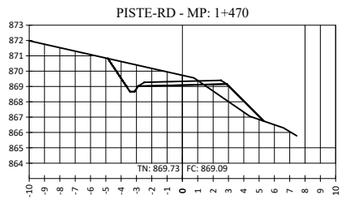

PISTE-RD - MP: 1+460



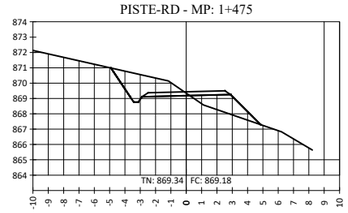

PISTE-RD - MP: 1+465



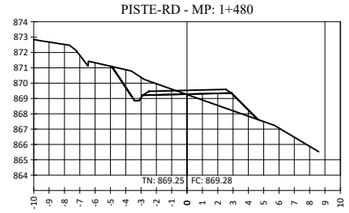

PISTE-RD - MP: 1+470




PISTE-RD - MP: 1+475




PISTE-RD - MP: 1+480




## PROFIL EN TRAVERS

TERRAIN NATUREL (TN): _____

PROJET - TERRAIN FINI (TF) : _____

TERRAIN FINI DE LA PISTE CORRESPOND A LA COTE DE LA PLATEFORME.
L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M


SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-PISTE-RD-SV-II |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

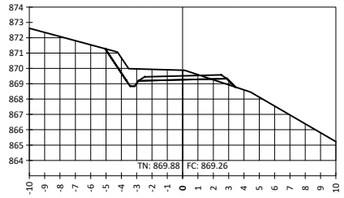
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

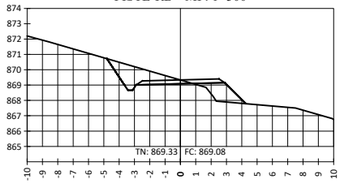
Coupes en travers

PISTE-RD - PM 1+365 - 1+480

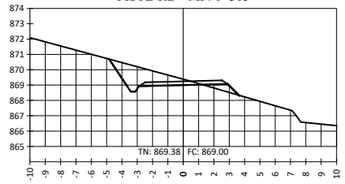
PISTE-RD - MP: 1+490



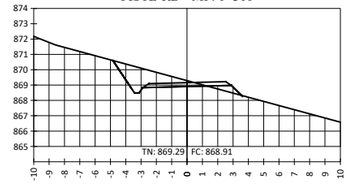

PISTE-RD - MP: 1+500



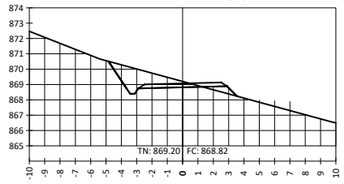

PISTE-RD - MP: 1+505



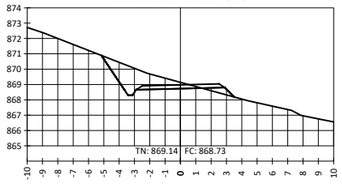

PISTE-RD - MP: 1+510



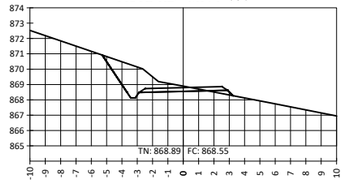

PISTE-RD - MP: 1+515



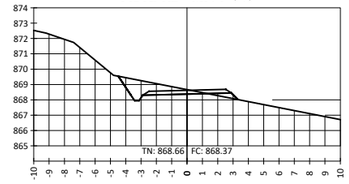

PISTE-RD - MP: 1+520



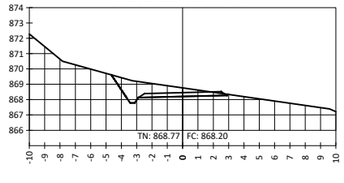

PISTE-RD - MP: 1+530



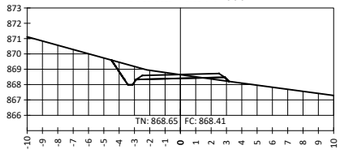

PISTE-RD - MP: 1+540



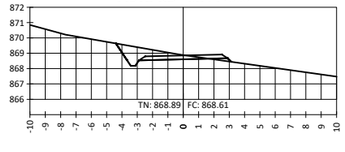

PISTE-RD - MP: 1+550



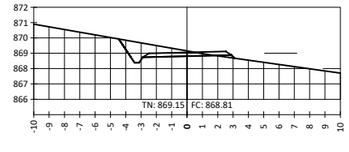

PISTE-RD - MP: 1+555



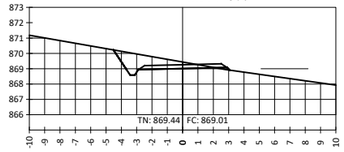

PISTE-RD - MP: 1+560



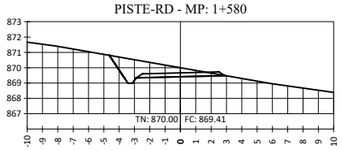

PISTE-RD - MP: 1+565



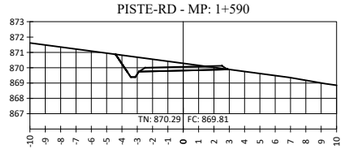

PISTE-RD - MP: 1+570



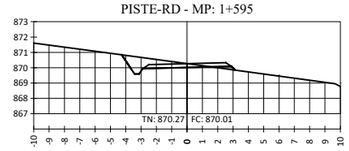

PISTE-RD - MP: 1+580



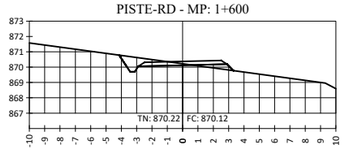

PISTE-RD - MP: 1+590



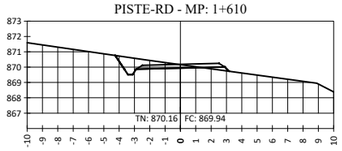

PISTE-RD - MP: 1+595



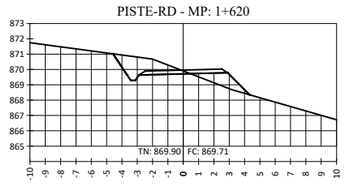

PISTE-RD - MP: 1+600



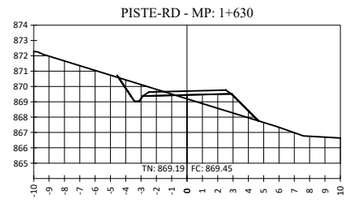

PISTE-RD - MP: 1+610




PISTE-RD - MP: 1+620




PISTE-RD - MP: 1+630




## PROFIL EN TRAVERS

TERRAIN NATUREL (TN): _____

PROJET - TERRAIN FINI (TF) : _____

TERRAIN FINI DE LA PISTE CORRESPOND A LA COTE DE LA PLATEFORME.
L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

SHER
GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-PISTE-RD-SV-12 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

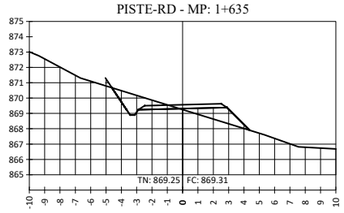
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

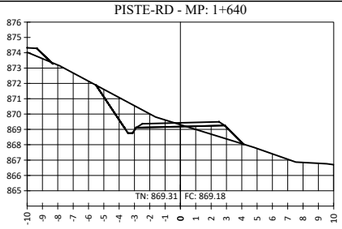
Coupes en travers

PISTE-RD - PM 1+490 - 1+630

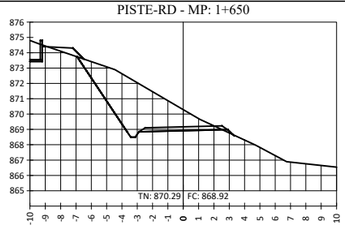
PISTE-RD - MP: 1+635




PISTE-RD - MP: 1+640




PISTE-RD - MP: 1+650




PROFIL EN TRAVERS

TERRAIN NATUREL (TN): _____

PROJET - TERRAIN FINI (TF) : _____

TERRAIN FINI DE LA PISTE CORRESPOND A LA COTE DE LA PLATEFORME.
L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-PISTE-RD-SV-13 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

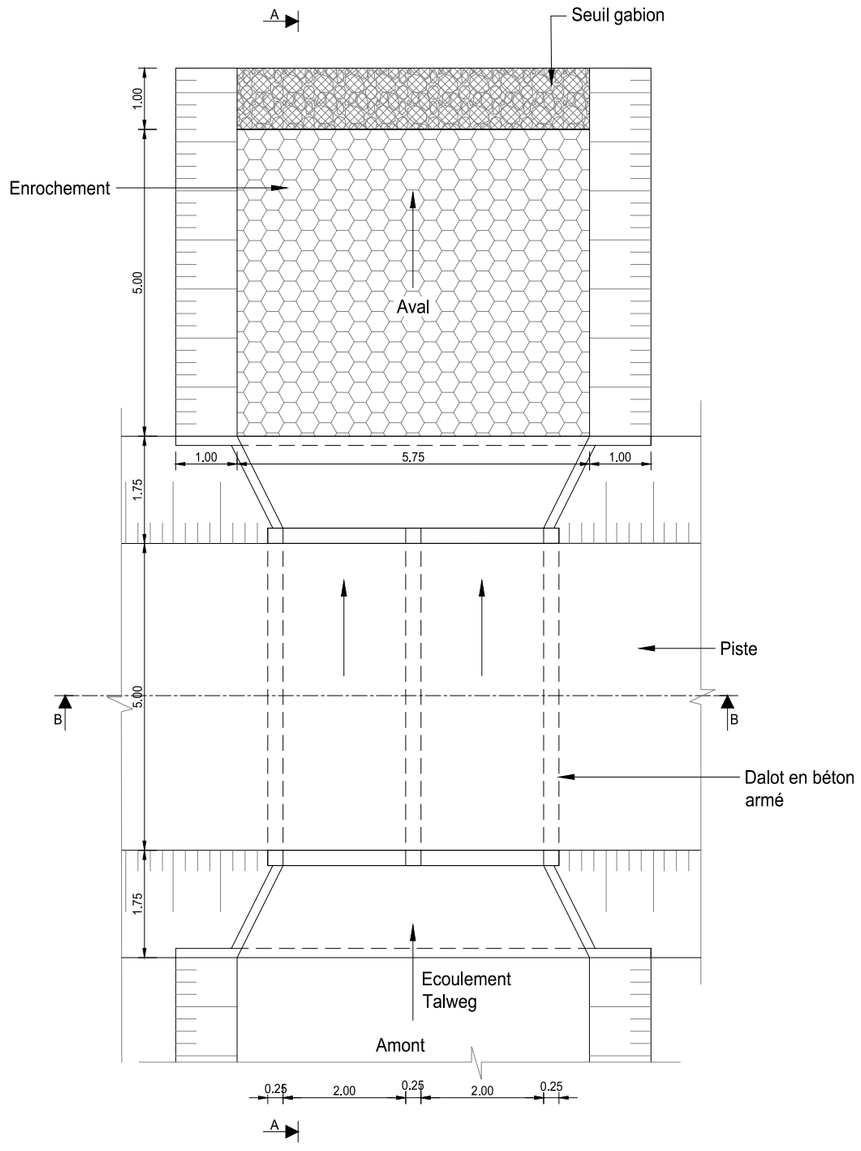
APD KABURANTWA

*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

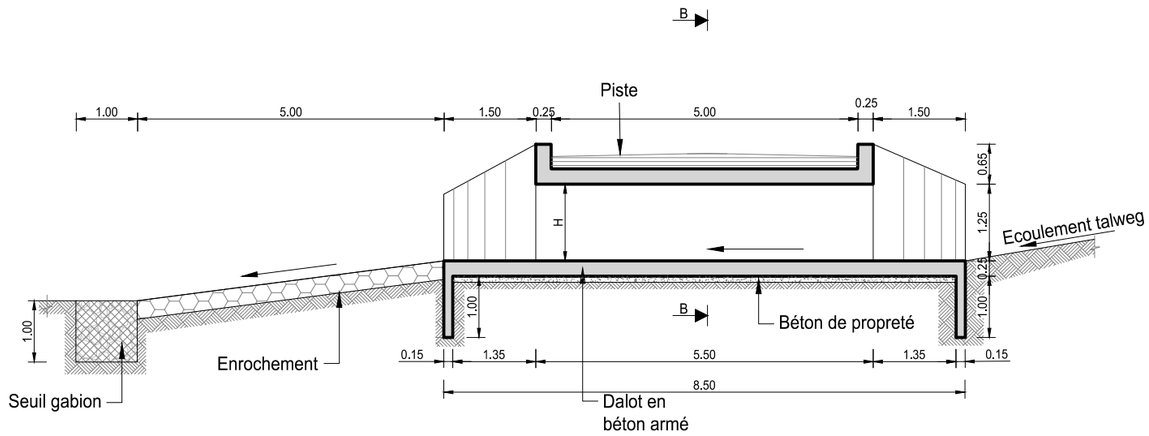
Coupes en travers

PISTE-RD - PM 1+635- 1+650

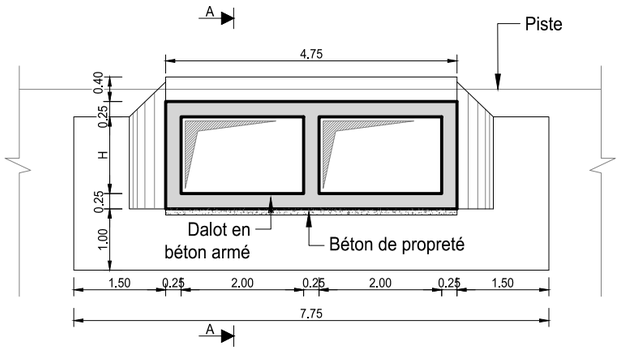
## Vue en plan




## Coupe A-A




## Coupe B-B




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Enrochement | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

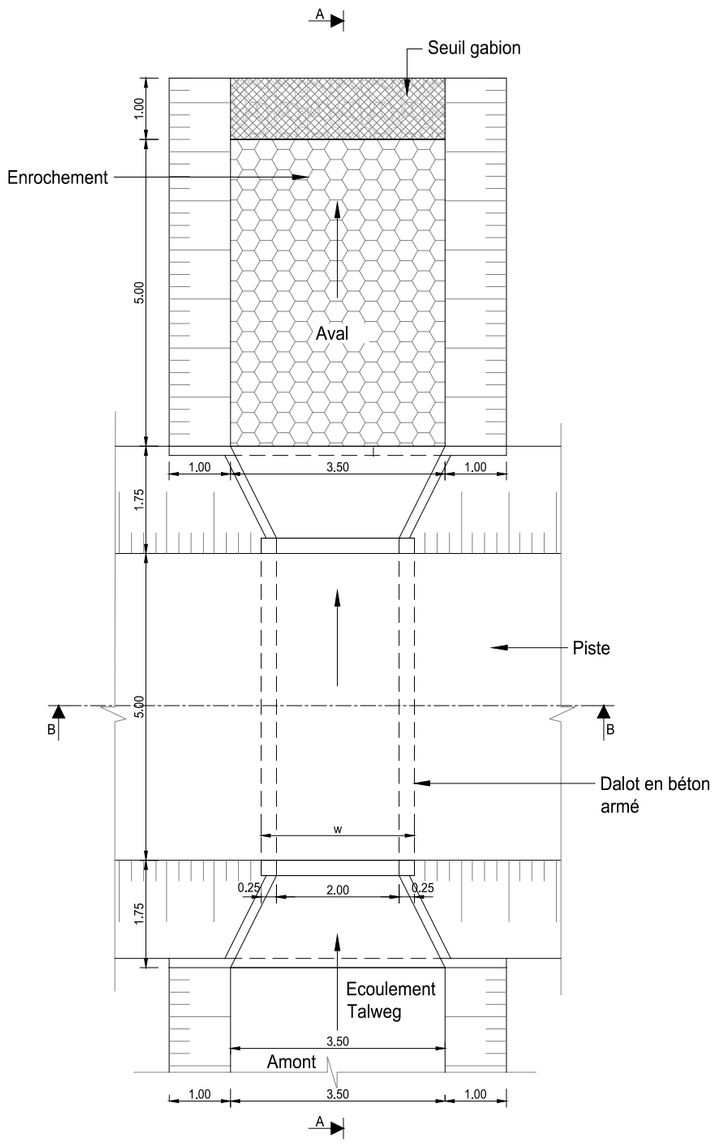
| | |
|---|---|
| REF. | PT-OUVR_PISTE-01 |
| DESSINE | SHER |
| VERSION | PROVISOIRE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/75 |
| DATE | 04-2025 |

REVUE APD KABURANTWA

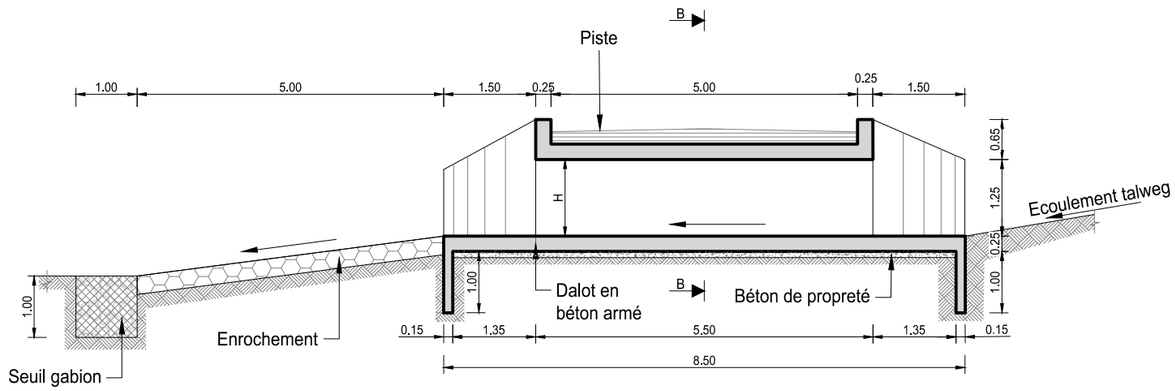
*KABURANTWA - MOBILISATION RESSOURCES EN EAU*

Ouvrages Piste d'accès RD - Dalot double rivière

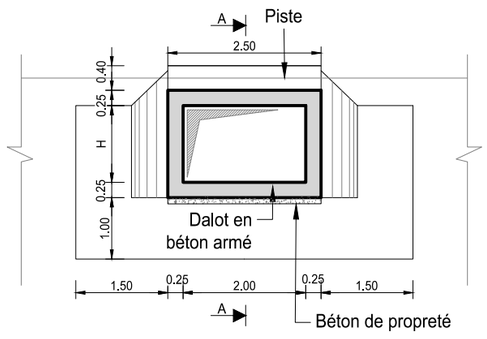
## Vue en plan




## Coupe A-A




## Coupe B-B




Légende

| | | | |
|---|---|---|---|
| Béton armé | | Enrochement | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


SHER
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

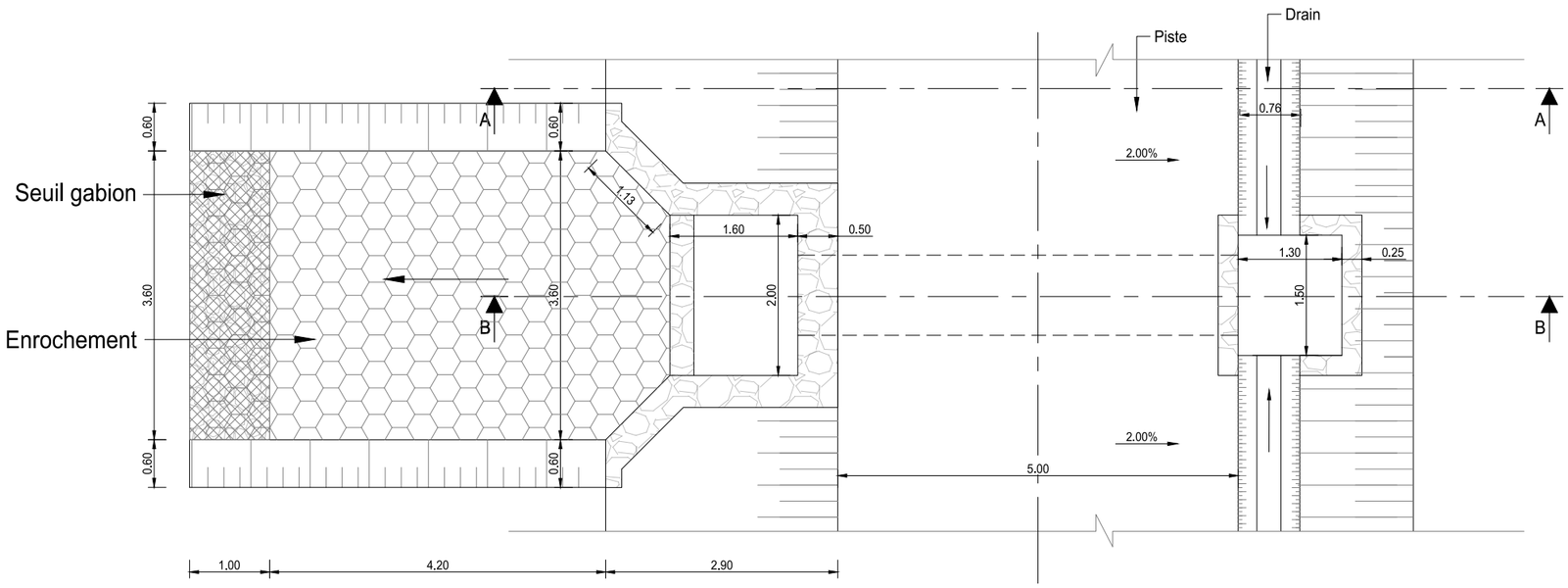
| | |
|---|---|
| REF. | PT-OUVR_PISTE-02 |
| DESSINE | SHER |
| VERSION | PROVISOIRE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/75 |
| DATE | 04-2025 |

REVUE APD KABURANTWA

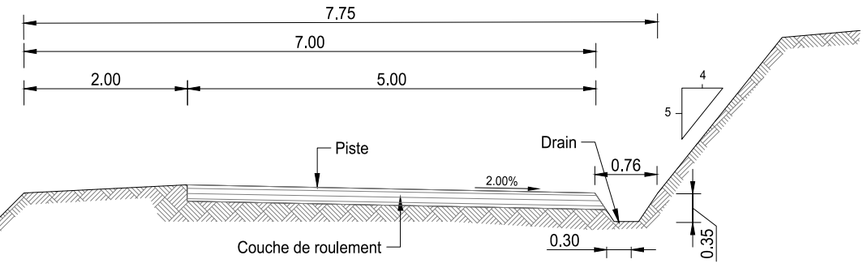
*KABURANTWA - MOBILISATION RESSOURCES EN EAU*

Ouvrages Piste d'accès RD - Dalot simple franchissement thalwegs

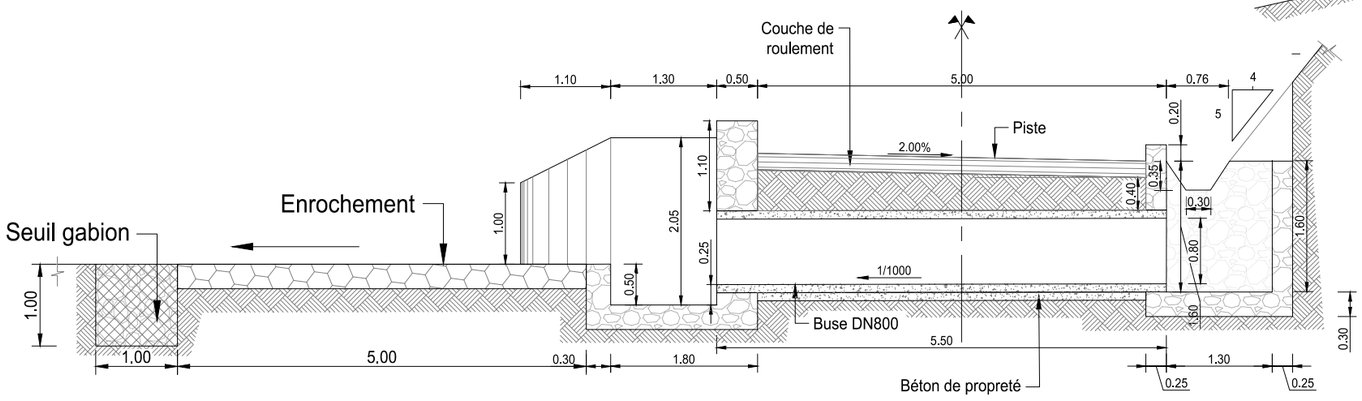
## Vue en plan




## Coupe A-A




## Coupe B-B




**Légende**

| | | | |
|---|---|---|---|
| Béton armé | | Enrochement | |
| Béton de propreté | | Remblai compacté | |
| Maçonnerie | | Fouille | |
| Talus | | Gabion | |


15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

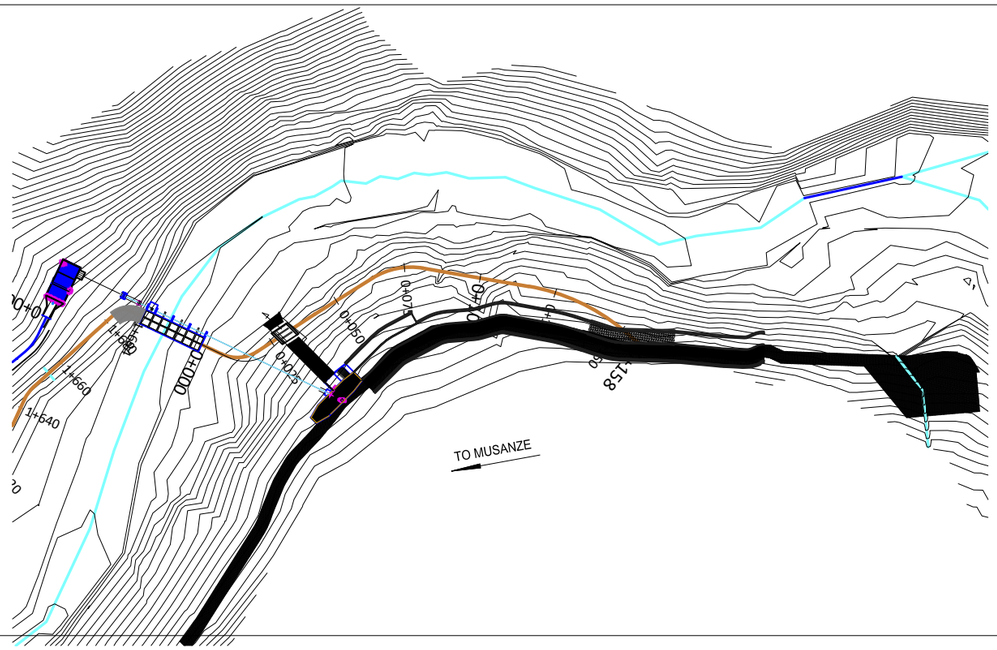
PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | PT-OUVR_PISTE-03 |
| DESSINE | SHER |
| VERSION | PROVISOIRE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/75 |
| DATE | 04-2025 |

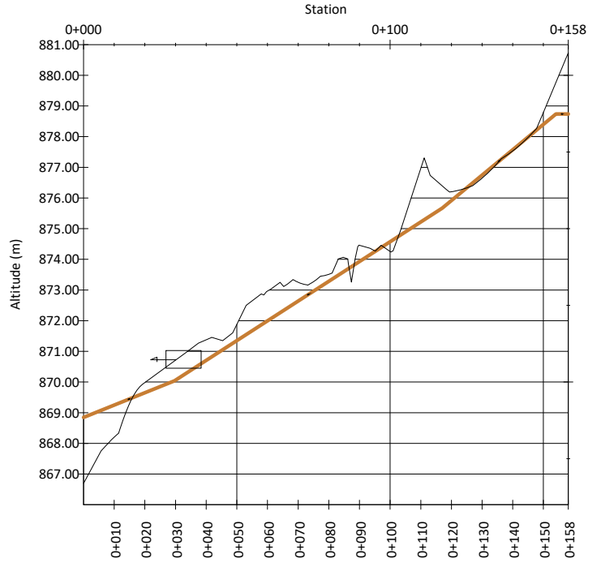
REVUE APD KABURANTWA

*KABURANTWA - MOBILISATION RESSOURCES EN EAU*

Ouvrages Piste d'accès - Buse drainage fossés de colature




## Profil en long - PISTE-RG




| | 0+000 | 0+010 | 0+020 | 0+030 | 0+040 | 0+050 | 0+060 | 0+070 | 0+080 | 0+090 | 0+100 | 0+110 | 0+120 | 0+130 | 0+140 | 0+150 | 0+158 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PISTE-RG-TN | 866.70 | 868.20 | 869.98 | 870.71 | 871.38 | 871.88 | 872.96 | 873.25 | 873.51 | 874.46 | 874.26 | 876.96 | 876.20 | 876.64 | 877.53 | 878.79 | 880.73 |
| PISTE-RG-TF | 868.85 | 869.25 | 869.65 | 870.06 | 870.70 | 871.35 | 871.99 | 872.64 | 873.28 | 873.93 | 874.57 | 875.22 | 875.92 | 876.75 | 877.57 | 878.40 | 878.74 |
| Pente m/m<br>Chute mm | | 0.0401 | | | | 0.0645 | | | | | | | | 0.0827 | | | 0.0000 |

BORNE : B#
PRISE SUR ÉMISSAIRE (PREM) :
PRISE POUR CANAL PRIMAIRE (PRCP) :
PRISE DOUBLE POUR CANAL PRIMAIRE (PRCPX2) :
PRISE POUR CANAL SECONDAIRE/TERTIAIRE (PRCS)/(PRCT) :
PRISE POUR CANAL SECONDAIRE/TERTIAIRE DOUBLE (PRCSX2)/(PRCTX2) :
PRISE POUR ARROSEUR (PRAR) :
PRISE POUR ARROSEUR DOUBLE (PRARX2) :
DÉVERSOIR DE SÉCURITÉ (DS) :

DALOT POUR CANAL SOUS PISTE (DC) :
DALOT SIMPLE (DP) :
DALOT SIMPLE EXISTANT (DP-E) :
BUSE POUR ARROSEUR :
CHUTE VERTICALE (CH) :
COURSIER (CS) :
AQUEDUC (AQ) :
PARTITEUR FIXE (PA) :

PONT (PT) :
PASSERELLE (PL) :
SOURCE (SR):
SIPHON :

PROFIL EN LONG
TERRAIN NATUREL (TN):
PROJET - TERRAIN FINI (TF) :

TERRAIN FINI CORRESPOND A LA COTE DE LA PLATEFORME DE LA PISTE. L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

VUE EN PLAN
COURBES DE NIVEAU PRIMAIRES :
COURBES DE NIVEAU SECONDAIRES :
CANAL D'AMENÉE:
CANAL TÊTE MORTE:
CANAL PRIMAIRE :
CANAL SECONDAIRE :
CANAL TERTIAIRE :
CANAL QUATERNAIRE :
CANAL ARROSEUR :
DRAIN PRIMAIRE :

PISTE PRINCIPALE/ROUTE NATIONALE :
PISTE SECONDAIRE/TRANSVERSALE :
PISTE TERTIAIRE/RÉSIDENTIELLE
PISTE RÉHABILITÉE
RIVIÈRE/EMISSAIRE :
LIMITE DE SECTEURS:
ZONE HUMIDE, MARAIS :
ZONE URBANISÉE :
ZONE NON IRRIGABLE :

15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

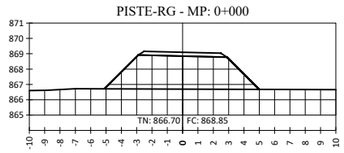
| | |
|---|---|
| REF. | PL-PISTE-RG-01 |
| DRAW | SHER |
| VERSION | FINALE |
| CONTROL | RWB |
| SCALE | V:1/200, H: 1/2000 |
| DATE | 06-2025 |

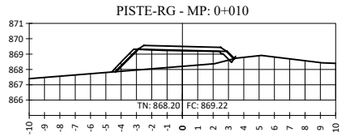
APD KABURANTWA

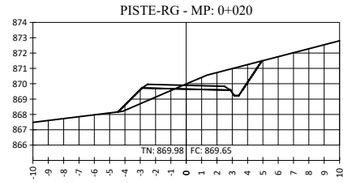
*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

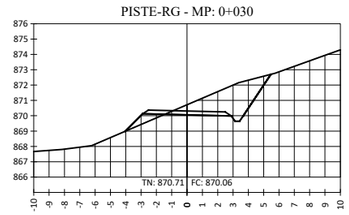
PLAN VIEW AND LONG PROFILE

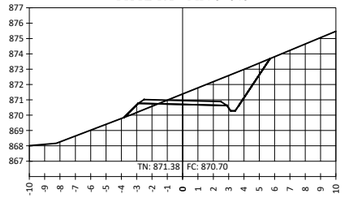
PISTE-RG _ PM 0+000 - 0+158

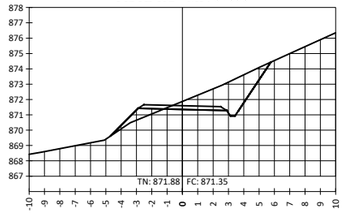


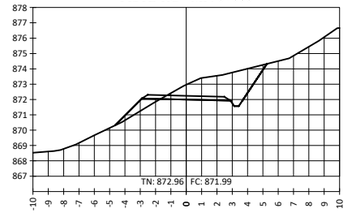



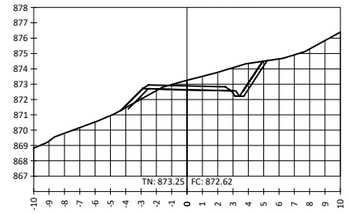



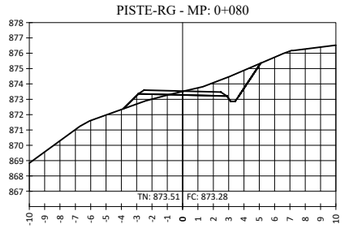



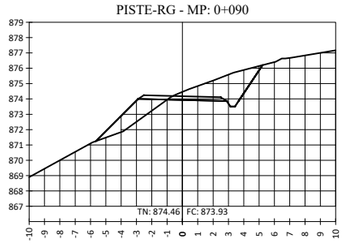



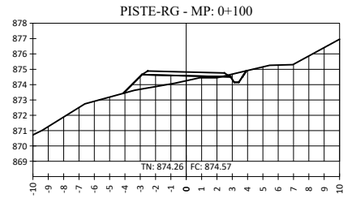



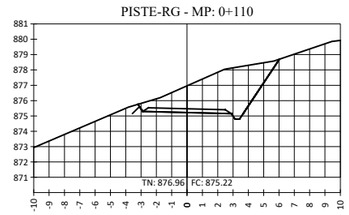



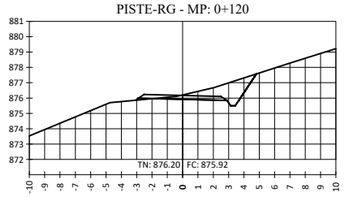



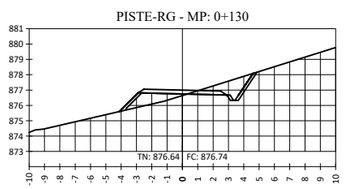



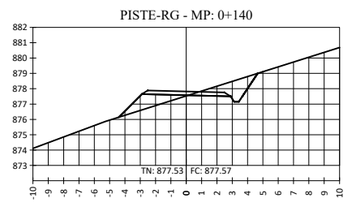



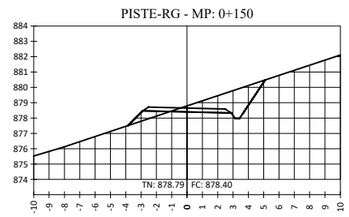




PROFIL EN TRAVERS

TERRAIN NATUREL (TN): _____

PROJET - TERRAIN FINI (TF) : _____

TERRAIN FINI DE LA PISTE CORRESPOND A LA COTE DE LA PLATEFORME.
L'ÉPAISSEUR DE LA COUCHE DE ROULEMENT EST DE 0,15 M

SHER GROUPE ARTELIA
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be

RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | SV-PISTE-RG-01 |
| DESSINE | SHER |
| VERSION | FINALE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/200 |
| DATE | 06-2025 |

APD KABURANTWA

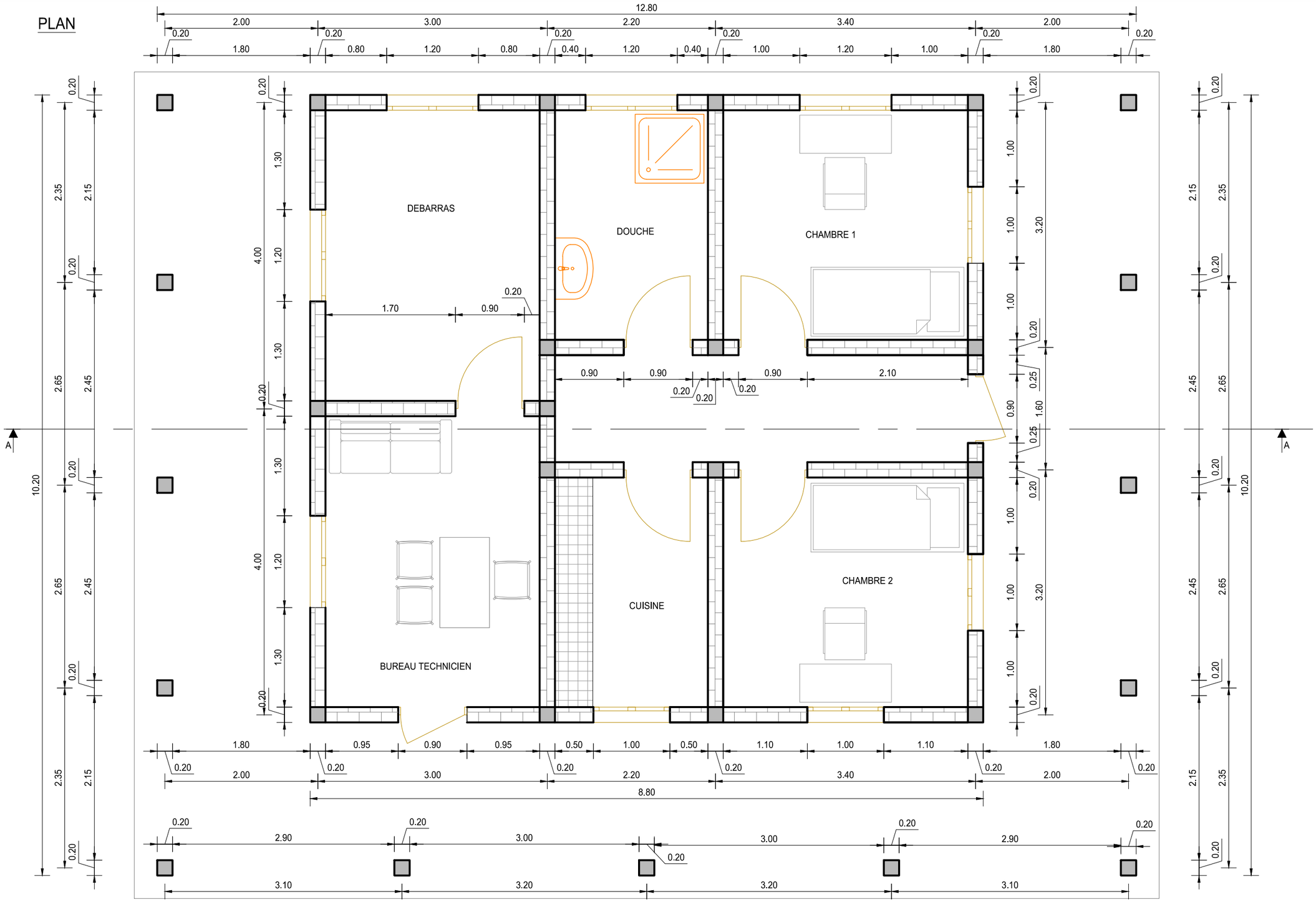
*KABURANTWA - MOBILISATION DE LA RESSOURCE EN EAU*

Coupes en travers

PISTE-RG - PM 0+000 - 0+158

# Bâtiment opérateur

# PLAN




Légende

| | | | | | |
|---|---|---|---|---|---|
| Maçonnerie de briques pleines | | Chappe dosé à 400kg/m3; ép=2cm | | Gabion | |
| Maçonnerie de moellons | | Couche de sable | | Béton armé | |
| Herissonage, ép =15cm | | Pavés en autobloquant | | Talus | |
| Béton armé dosé à 350kg/m3 | | Enrochement | | | |
| Béton de forme dosé à 250 kg/m3, ép =8cm | | Remblai compacté | | | |
| Béton de propreté dosé à 150kg/m3, ép 5cm | | Fouille | | | |


SHER
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

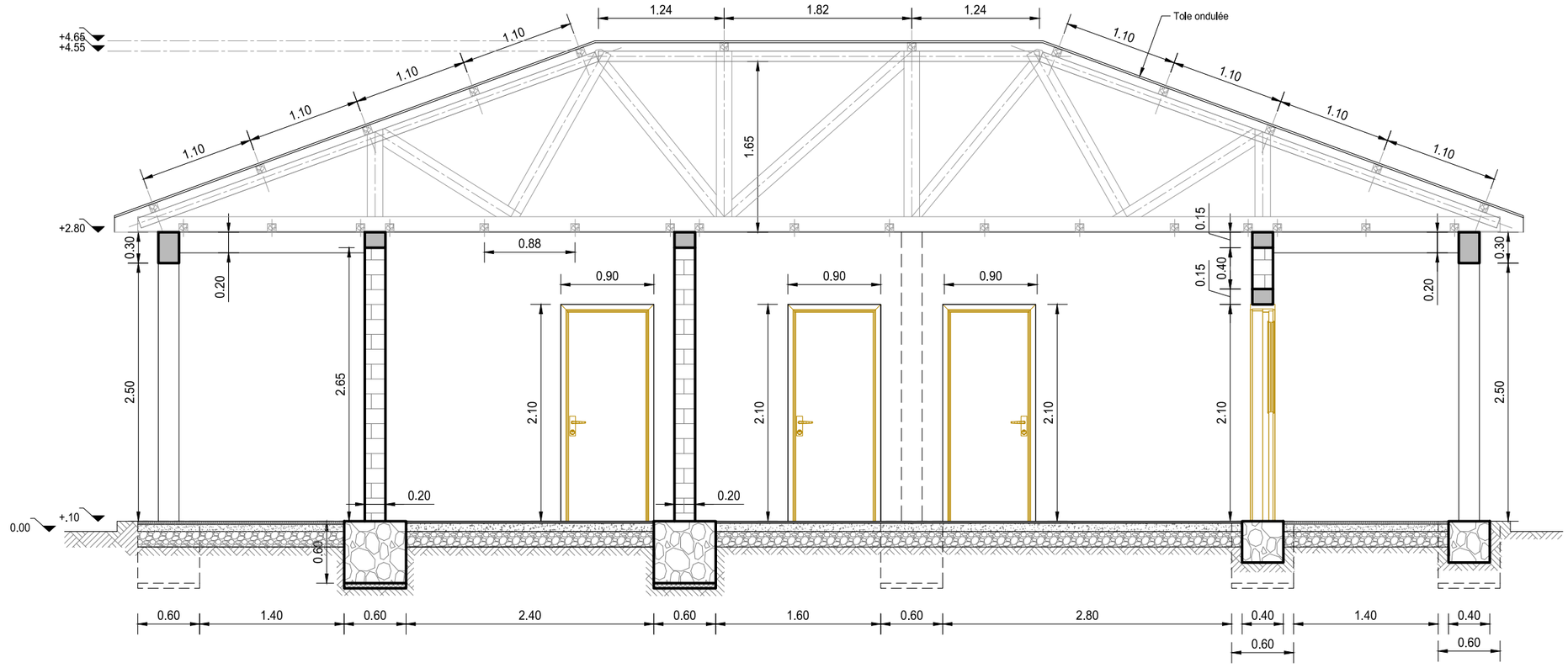
| | |
|---|---|
| REF. | PT-BÂT_OPÉRAT.-01 |
| DESSINE | SHER |
| VERSION | PROVISOIRE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/50 |
| DATE | 04-2025 |

REVUE APD KABURANTWA

*KABURANTWA - MOBILISATION RESSOURCES EN EAU*

**Plan bâtiment opérateur - Vue en plan**

# COUPE A-A




Légende

| | | | | | |
|---|---|---|---|---|---|
| Maçonnerie de briques pleines | | Chappe dosé à 400kg/m3; ép=2cm | | Gabion | |
| Maçonnerie de moellons | | Couche de sable | | Béton armé | |
| Herissonage, ép =15cm | | Pavés en autobloquant | | Talus | |
| Béton armé dosé à 350kg/m3 | | Enrochement | | | |
| Béton de forme dosé à 250 kg/m3, ép =8cm | | Remblai compacté | | | |
| Béton de propreté dosé à 150kg/m3, ép 5cm | | Fouille | | | |


SHER
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

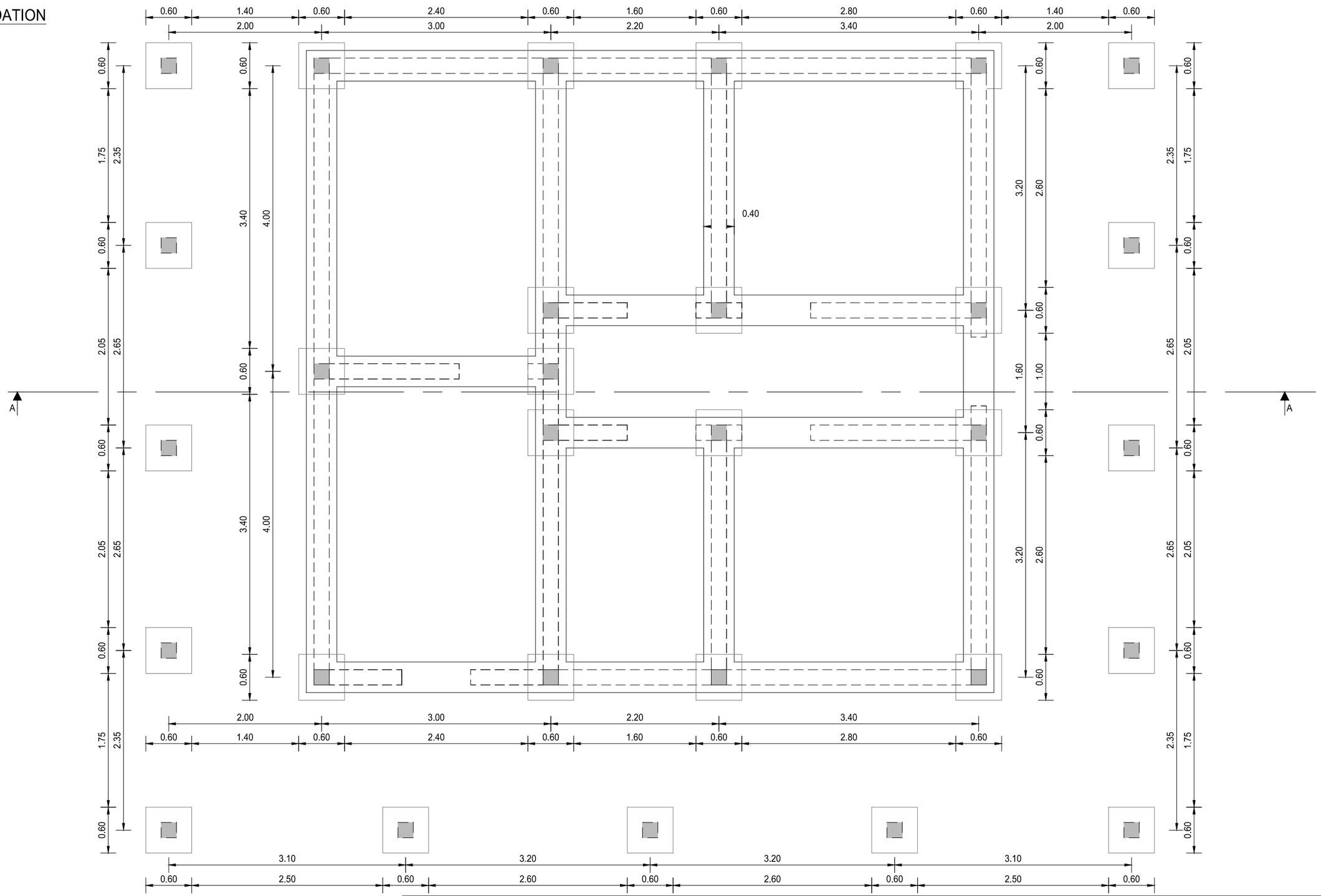
| | |
|---|---|
| REF. | PT-BÂT_OPÉRAT.-02 |
| DESSINE | SHER |
| VERSION | PROVISOIRE |
| CONTROLE | PRDAIGL |
| ECHELLE | I/50 |
| DATE | 04-2025 |

REVUE APD KABURANTWA

*KABURANTWA - MOBILISATION RESSOURCES EN EAU*

Plan bâtiment opérateur - Coupe A-A

# FONDATION




Légende

| | | | | | |
|---|---|---|---|---|---|
| Maçonnerie de briques pleines | | Chappe dosé à 400kg/m3; ép=2cm | | Gabion | |
| Maçonnerie de moellons | | Couche de sable | | Béton armé | |
| Herissonage, ép =15cm | | Pavés en autobloquant | | Talus | |
| Béton armé dosé à 350kg/m3 | | Enrochement | | | |
| Béton de forme dosé à 250 kg/m3, ép =8cm | | Remblai compacté | | | |
| Béton de propreté dosé à 150kg/m3, ép 5cm | | Fouille | | | |


SHER
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | PT-BÂT_OPÉRAT.-03 |
| DESSINE | SHER |
| VERSION | PROVISOIRE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | I/50 |
| DATE | 04-2025 |

REVUE APD KABURANTWA

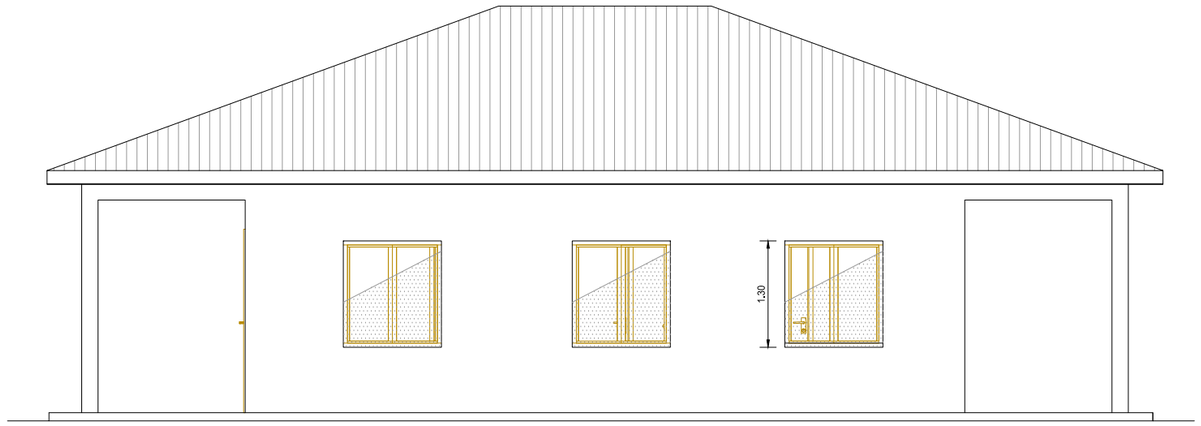
*KABURANTWA - MOBILISATION RESSOURCES EN EAU*

Plan bâtiment opérateur - Fondations

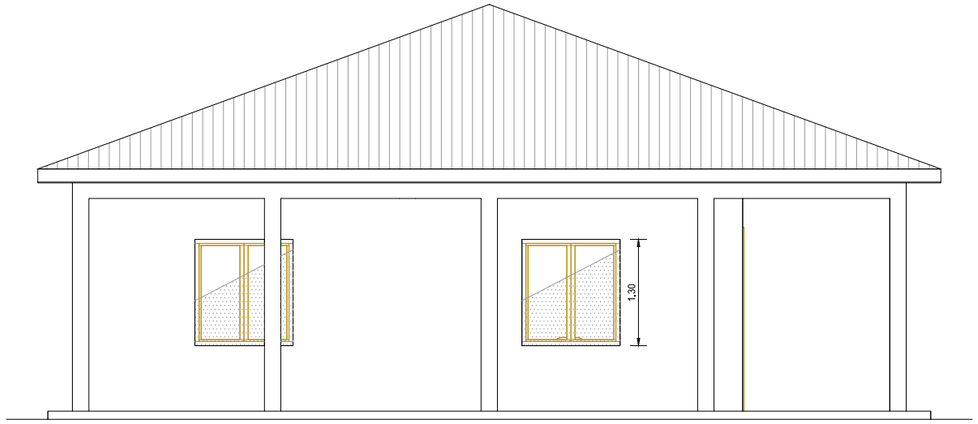
FACADE PRINCIPALE



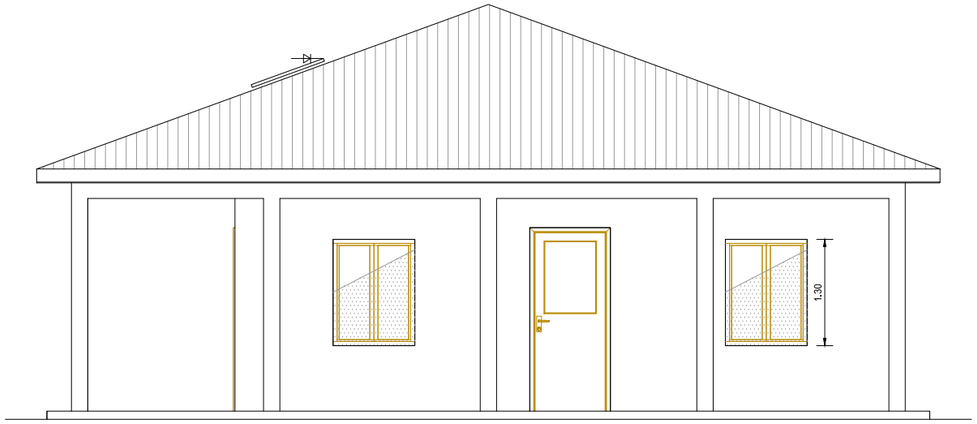
FACADE POSTERIEURE




FACADE LATERAL GAUCHE




FACADE LATERAL DROITE




Légende

| | | |
|---|---|---|
| Maçonnerie de briques pleines | Chappe dosé à 400kg/m3; ép=2cm | Gabion |
| Maçonnerie de moellons | Couche de sable | Béton armé |
| Herissonage, ép =15cm | Pavés en autobloquant | Talus |
| Béton armé dosé à 350kg/m3 | Enrochement | |
| Béton de forme dosé à 250 kg/m3, ép =8cm | Remblai compacté | |
| Béton de propreté dosé à 150kg/m3, ép 5cm | Fouille | |


SHER
15, Rue Jean Matagne
5020 Vedrin (Namur)
Belgique
E-mail: sher@sher.be
www.sher.be


RÉPUBLIQUE DU BURUNDI
ENABEL

PROJET SYSTÈMES ALIMENDAIRES DURABLES

| | |
|---|---|
| REF. | PT-BÂT_OPÉRAT.-04 |
| DESSINE | SHER |
| VERSION | PROVISOIRE |
| CONTROLE | ENABEL / SYSAD |
| ECHELLE | 1/75 |
| DATE | 04-2025 |

REVUE APD KABURANTWA

*KABURANTWA - MOBILISATION RESSOURCES EN EAU*

Plan bâtiment opérateur - Façades