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|  |  |  | |  |  | **RECOMMANDATIONS** | | | | | | | | | | |  | |  | |  | |  | |  |
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| * Les réponses sont rédigées à l’encre (pas de rouge) et au crayon de papier pour les croquis et les schémas. | | | | | | | | | | | | | | | | | | | | | | | | | |
| * Le sujet devra être rendu avec toutes les pages dans le bon ordre, agrafé dans une copie d’examen. | | | | | | | | | | | | | | | | | | | | | | | | | |
| * En cas d’utilisation de tableaux de calcul fournis par le centre, ceux-ci seront agrafés sur ce document. | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  |  |  | | **Aucun document personnel n’est autorisé.** | | | | | | | | | | | | | | | | |  | |  | |  |
|  |  |  | | **Les calculatrices sont interdites. L’utilisation de la calculatrice de l’ordinateur est autorisée ainsi que l’utilisation des logiciels professionnels.** | | | | | | | | | | | | | | | | |  | |  | |  |
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| Ce dossier est accompagné de documents ressources **(RESi)**, de documents techniques **(DTi)** et documents réponses **(DRi)** numériques listés ci-dessous. | | | | | | | | | | | | | | | | | | | | | | | | | |
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| **NUMÉRO** | | | **TITRE** | | | | | | | | | | | Pdf_by_mimooh.svg-56a9d1943df78cf772aaca04.jpg | | 51922.png | | Covadis-logo.jpg | | text-file-icon-vector-illustration-78702391.jpg | | excel.png | | Microsoft-Word-2013-icon.png | |
|  | | | **DOCUMENTS RESSOURCES** | | | | | | | | | | |  | |  | |  | |  | |  | |  | |
| **RES1i** | | | Extrait Permis d’Aménager | | | | | | | | | | | **X** | |  | |  | |  | |  | |  | |
| **RES2i** | | | Documents Cadastraux | | | | | | | | | | | **X** | |  | |  | |  | |  | |  | |
| **RES3i** | | | Extrait Plan Local d’Urbanisme | | | | | | | | | | | **X** | |  | |  | |  | |  | |  | |
|  | | | **DOCUMENTS TECHNIQUES** | | | | | | | | | | |  | |  | |  | |  | |  | |  | |
| **DT3i** | | | Extrait du Plan Cadastral | | | | | | | | | | |  | | **X** | |  | |  | |  | |  | |
| **DT4i** | | | Semis de points | | | | | | | | | | |  | |  | | **X** | | **X** | |  | |  | |
|  | | | **DOCUMENTS RÉPONSES** | | | | | | | | | | |  | |  | |  | |  | |  | |  | |
| **DR1i** | | | Surfaces des Lots | | | | | | | | | | |  | | **X** | |  | |  | |  | |  | |
| **DR2i** | | | Surfaces de Plancher – Surfaces d’Emprise au Sol | | | | | | | | | | |  | |  | |  | |  | | **X** | |  | |
| **DR4i** | | | Étude du relief | | | | | | | | | | |  | | **X** | |  | |  | |  | |  | |
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| Une image contenant texte  Description générée automatiquement | | | Plusieurs **documents réponses numériques** doivent être rendus pour cette épreuve **U22**. Lorsque cela vous sera demandé dans le sujet, vous devrez **créer un dossier** par étude pour y enregistrer tous les **documents réponses** qui y sont rattachés. Les noms du dossier et des documents réponses seront nommés comme indiqués ci-dessous. | | | | | | | | | | | | | | | | | | | | | | |

**LISTE DES DOSSIERS ET DOCUMENTS NUMÉRIQUES À RENDRE**

|  |  |  |
| --- | --- | --- |
| **ÉTUDE 1** | **ÉTUDE 2** | **ÉTUDE 3** |
| **U22\_E1\_N° CANDIDAT** | **U22\_E2\_N° CANDIDAT** | **U22\_E3\_N° CANDIDAT** |
| 🞏 DR1i\_N°CANDIDAT  🞏 DR2i\_N°CANDIDAT | 🞏 DMPC\_N°CANDIDAT  🞏 CHEMISE\_VERTE\_N°CANDIDAT  🞏 CADASTRE\_N°CANDIDAT  🞏 Tous fichiers édités automatiquement lors de l’édition du DMPC | 🞏 DR4i\_N°CANDIDAT  🞏 DR4i\_N°CANDIDAT\_ Courbes\_de\_Niveau  🞏 DR4i\_N°CANDIDAT\_ Flèches\_des\_Pentes  🞏 DR4i\_N°CANDIDAT\_ Goutte\_Eau |

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| **BACCALAURÉAT PROFESSIONNEL**  **TECHNICIEN GÉOMÈTRE TOPOGRAPHE** | | | | | | | | | | | | | | | | | | | | | |
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| **ÉPREUVE E2** | | | | | | **ANALYSE ET TECHNOLOGIE** | | | | | | | | | | | | | | | |
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| **SOUS – ÉPREUVE**  **U22** | | | | | | **PRODUCTION DE DOCUMENTS**  **TECHNIQUES ET JURIDIQUES** | | | | | | | | | | | | | | | |
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| Ce dossier est composé de documents études **(DE)**, de documents techniques **(DT)** et de documents réponses **(DR)**. | | | | | | | | | | | | | | | | | | | | | |
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| **DOSSIER ÉTUDES** | | | | | | | | | | | | | | | | | | | | | |
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| **Numéro**  **de l’étude** | | | **Activités et documents** | | | | | | | | | | | **Barème** | | | | **Durée conseillée** | | | |
| **0** | | | Lecture du dossier | | | | | | | | | | |  | |  | | 15 | | mn | |
| **1** | | | Détermination des surfaces cessibles, de plancher et d’emprise au sol | | | | | | | | | | |  | | / 10 | | 45 | | mn | |
| **2** | | | Préparation et rédaction d’un DMPC Numérique | | | | | | | | | | |  | | / 10 | | 40 | | mn | |
| **3** | | | Analyse et visualisation du relief | | | | | | | | | | |  | | / 10 | | 40 | | mn | |
| **4** | | | Elaboration d’une méthode d’implantation | | | | | | | | | | |  | | / 10 | | 40 | | mn | |
|  | | | **Total** | | | | | | | | | | |  | | **/ 40** | |  | |  | |

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| **PRODUCTION DE DOCUMENTS TECHNIQUES ET JURIDIQUES** | | | | | | | | | | | | | | | | | | **ÉTUDE 1** | | | |
| **Déterminer des Surfaces Cessibles, de Plancher et d’Emprise au Sol** | | | | | | | | | | | | | | | | | | | | | |
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| **SITUATION PROFESSIONNELLE : Cabinet de Géomètre Expert** | | | | | | | | | | | | | | | | | | | | | |
| Dans le Cabinet de Géomètre Expert Gérard LAMBERT, chez lequel vous êtes employé(e), vous êtes chargé(e) de compléter certaines pièces constituant la demande de Permis d’Aménager. | | | | | | | | | | | | | | | | | | | | | |
| Vous devez déterminer : | | | | | | | | | | | | | | | | | | | | | |
| ⏺ | | Les superficies des lots qui n’ont pas été calculées, | | | | | | | | | | | | | | | | | | | |
| ⏺ | | La surface de plancher et l’emprise au sol de chaque construction pour chaque lot et pour l’ensemble des lots. | | | | | | | | | | | | | | | | | | | |
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| **ON DONNE :** | | | | | | | | | | | | | | | | | | | | | |
| **RES1i** | | | Extrait Permis d’Aménager | | | | | | | | | | | | | | | | | |  |
| **RES2i** | | | Documents Cadastraux | | | | | | | | | | | | | | | | | |  |
| **RES3i** | | | Extrait Plan Local d’Urbanisme | | | | | | | | | | | | | | | | | |  |
| **DT1** | | | Organigramme – Détermination des surfaces cessibles, de plancher et d’emprise au sol | | | | | | | | | | | | | | | | | |  |
| **DR1** | | | Surfaces cessibles, de plancher et d’emprise au sol – Vérification – Conclusion | | | | | | | | | | | | | | | | | |  |
| **DR1i** | | | Surfaces des lots (dwg) | | | | | | | | | | | | | | | | | |  |
| **DR2i** | | | Surfaces de plancher – Surfaces d’emprise au sol (xls) | | | | | | | | | | | | | | | | | |  |
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| **ON DEMANDE :** | | | | | | | | | | | | | | | | | | | | | |
|  |  | | Répondre aux questions et compléter les fichiers DR1i et DR2i. | | | | | | | | | | | | | | | | | |  |
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| **ON EXIGE :** | | | | | | | | | | | | | | | | | | | | | |
|  | **•** | | Les différentes superficies (par lot ou pour l’ensemble des lots) sont parfaitement mesurées ou calculées. | | | | | | | | | | | | | | | | | |  |
|  | **•** | | Les coefficients d’emprise au sol sont parfaitement identifiés ou calculés. | | | | | | | | | | | | | | | | | |  |
|  | **•** | | Les résultats sont vérifiés. | | | | | | | | | | | | | | | | | |  |
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**ORGANIGRAMME**

**DÉTERMINATION DES SUPERFICIES CESSIBLES, DE PLANCHER ET D’EMPRISE AU SOL**

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| **Question concernée** | | | |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  |  | |
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| **1.1.1.** | | | |  | **SL** | |  | Superficie de chaque lot | | | | | | | | À déterminer par cotation de surface pour les lots 51 à 61. | | | | | | |  | |
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| **1.1.2.** | | | |  | **SC** | |  | Superficie totale de l’ensemble des lots ou superficie cessible | | | | | | | |  | | | | | | |  | |
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| **1.2.1.** | | | |  | **SP** | |  | Superficie de plancher maxi de chaque lot | | | | | | | | À déterminer à partir du **tableau** de la **question 1.2**. | | | | | | |  | |
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| **1.2.2.** | | | |  | **SPT** | |  | Superficie de plancher totale de l’ensemble des lots | | | | | | | |  | | | | | | |  | |
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| **1.3.1.** | | | |  | **SO** | |  | Superficie de l’opération Lotissement « Le Clos de la Campane » | | | | | | | | À lire sur le **RES1i**. | | | | | | |  | |
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| **1.3.1.** | | | |  | **CES1** | |  | Coefficient maximum d’emprise au sol des constructions | | | | | | | | À lire sur le **RES1i**. | | | | | | |  | |
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| **1.3.2.** | | | |  | **STES1** | |  | Superficie totale d’emprise au sol (1) | | | | | | | |  | | | | | | |  | |
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| **1.3.3.** | | | |  | **CES2** | |  | Coefficient d’emprise au sol des constructions, ramené à la superficie cessible | | | | | | | |  | | | | | | |  | |
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| **1.3.4.** | | | |  | **SES** | |  | Superficie d’emprise au sol de chaque lot | | | | | | | |  | | | | | | |  | |
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| **1.3.5.** | | | |  | **STES2** | |  | Superficie totale d’emprise au sol (2) | | | | | | | |  | | | | | | |  | |
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**1.1. DÉTERMINATION DE LA SUPERFICIE DES LOTS 51 À 61 ET DE LA SUPERFICIE TOTALE DE L’ENSEMBLE DES LOTS**

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| important-icone-8164-128.png | Cette question sera traitée obligatoirement sous forme numérique.  Créer un dossier **U22\_E1\_N°CANDIDAT**, y enregistrer le fichier **DR1i** au nouveau nom **DR1i\_N°CANDIDAT** et **DR2i** au nouveau nom **DR2i\_N°CANDIDAT** après les avoir traités. |

**1.1.1.** Déterminer la superficie des lots 51 à 61 et l’indiquer sur le **DR1i\_N°CANDIDAT.** Noter les valeurs sur le tableau ci-dessous.

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|  | **SUPERFICIE DES LOTS 51 à 61** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | **SL51 =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** | **SL52 =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** | | | | | | | | | | | | **SL53 =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** | | | | | | | | | | | |  |  |
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|  |  | **SL54 =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** | **SL55 =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** | | | | | | | | | | | | **SL56 =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** | | | | | | | | | | | |  |  |
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|  |  | **SL57 =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** | **SL58 =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** | | | | | | | | | | | | **SL59 =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** | | | | | | | | | | | |  |  |
|  |  |  |  |
|  |  | **SL60 =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** | **SL61 =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** | | | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**1.1.2.** Sur le **DR2i\_N°CANDIDAT**, reporter la valeur des superficies déterminées et calculer la superficie totale de l’ensemble des lots ou superficie cessible. Noter ci-dessous la valeur trouvée.

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|  | **SUPERFICIE CESSIBLE** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | **SC =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**1.2. DÉTERMINATION DE LA SURFACE DE PLANCHER MAXIMUM DES LOTS 51 À 61 ET DE LA SURFACE TOTALE DE PLANCHER DE L’ENSEMBLE DES LOTS**

|  |  |
| --- | --- |
| important-icone-8164-128.png | Cette question sera traitée obligatoirement sous forme numérique.  Dans le dossier **U22\_E1\_N°CANDIDAT**, compléter le fichier **DR2i\_N°CANDIDAT**. |

La surface de plancher maximum de chaque lot, en fonction de sa superficie, est donnée par le tableau ci-dessous.

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|  |  |  |  | **Superficie du lot** | **Surface de plancher maxi** |  |  |  |  |
|  |  |  |  | < 300 m² | 110 m² |  |  |  |  |
|  |  |  |  | [ 300 m² ; 400 m² [ | 130 m² |  |  |  |  |
|  |  |  |  | [ 400 m² ; 500 m² [ | 150 m² |  |  |  |  |
|  |  |  |  | [ 500 m² ; 600 m² [ | 160 m² |  |  |  |  |
|  |  |  |  | [ 600 m² ; 700 m² [ | 170 m² |  |  |  |  |
|  |  |  |  | > 700 m² | 200 m² |  |  |  |  |

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**1.2.1.** Déterminer la surface de plancher maximum des lots 51 à 61 sur le **DR2i\_N°CANDIDAT**.

**1.2.2.** Déterminer la surface totale de plancher de l’ensemble des lots sur le **DR2i\_N°CANDIDAT**. Noter ci-dessous la valeur trouvée.

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|  | **SURFACE TOTALE DE PLANCHER DE L’ENSEMBLE DES LOTS** | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  |  |  |  |
|  |  | **STP =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**1.3. DÉTERMINATION DE LA SURFACE D’EMPRISE AU SOL DE CHAQUE LOT ET DE LA SURFACE D’EMPRISE AU SOL DE L’ENSEMBLE DES LOTS**

|  |  |
| --- | --- |
| important-icone-8164-128.png | Cette question sera traitée obligatoirement sous forme numérique.  Dans le dossier **U22\_E1\_N°CANDIDAT**, compléter le fichier **DR2i\_N°CANDIDAT**. |

**1.3.1.** Sur les fichiers **RES1i**, **RES2i** et **RES3i** rechercher :

* la surface totale de l’opération de lotissement « Le Clos de la Campane »,
* le coefficient maximum de l’emprise au sol des constructions.

Noter sur le **DR2i\_N°CANDIDAT** et ci-dessous les valeurs trouvées.

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|  | **SURFACE DE L’OPÉRATION LOTISSEMENT « LE CLOS DE LA CAMPANE »** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |
|  |  | **SO =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** | | | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | **COEFFICIENT MAXIMUM D’EMPRISE AU SOL DES CONSTRUCTIONS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  |  |
|  |  | **CES1 =** |\_\_\_\_\_\_| **.** |\_\_\_\_\_\_|\_\_\_\_\_\_| | | | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**1.3.2.** Déterminer sur le **DR2i\_N°CANDIDAT**, la surface totale d’emprise au sol. Noter ci-dessous la valeur trouvée.

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|  | **SURFACE TOTALE D’EMPRISE AU SOL (1)** | | | | | | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | **STES1 =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**1.3.3.** Déterminer sur le **DR2i\_N°CANDIDAT**, le coefficient d’emprise au sol des constructions ramené à la surface cessible. Noter ci-dessous la valeur trouvée.

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|  | **COEFFICIENT D’EMPRISE AU SOL DES CONSTRUCTIONS, RAMENÉ À LA SURFACE CESSIBLE** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | **CES2 =** |\_\_\_\_\_\_| **.** |\_\_\_\_\_\_|\_\_\_\_\_\_| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**1.3.4.** Déterminer sur le **DR2i\_N°CANDIDAT**, la surface d’emprise de chaque lot.

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**1.3.5.** Déterminer sur le **DR2i\_N°CANDIDAT**, la surface totale d’emprise au sol de l’ensemble des lots. Noter ci-dessous la valeur trouvée.

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|  | **SURFACE TOTALE D’EMPRISE AU SOL (2)** | | | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | **STES2 =** |\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_|\_\_\_\_\_\_| **m2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**1.3.6.** Vérifier les valeurs trouvées aux questions **1.3.2.** et **1.3.5.** et conclure.

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| Une image contenant texte  Description générée automatiquement | Avant de rendre votre support numérique, vérifier qu’il contient le dossier et les fichiers suivants (cocher les éléments rendus) :  Dossier : **🞏 U22\_E1\_N°CANDIDAT**,   * Fichier : **🞏 DR1i\_N°CANDIDAT**, * Fichier : **🞏 DR2i\_N°CANDIDAT**. |

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| **PRODUCTION DE DOCUMENTS TECHNIQUES ET JURIDIQUES** | | | | | | | | | | | | | | | | | | **ÉTUDE 2** | | | |
| **Préparer et Rédiger un DMPC Numérique** | | | | | | | | | | | | | | | | | | | | | |
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| **SITUATION PROFESSIONNELLE : Cabinet de Géomètre Expert** | | | | | | | | | | | | | | | | | | | | | |
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| Le Cabinet de Géomètre Expert LAMBERT a été sollicité pour élaborer un dossier de lotissement. Une première étape consiste en la réunion des parcelles cadastrées section DZ, parcelles 207, 208, 209, 210, 1528 et 1530, qui constituent l’unité foncière du lotissement « Le Clos de la Campane ». | | | | | | | | | | | | | | | | | | | | | |
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| Pour ce faire, vous êtes chargé de rédiger le DMPC Numérique de réunion de ces 6 parcelles que vous soumettrez à M. Gérard LAMBERT, Géomètre Expert, qui vous emploie. | | | | | | | | | | | | | | | | | | | | | |
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| **ON DONNE :** | | | | | | | | | | | | | | | | | | | | | |
| **DT2** | | | Actions des différents intervenants à l’établissement du DMPC | | | | | | | | | | | | | | | | | |  |
| **DT3** | | | Plan de réunion – Renseignements | | | | | | | | | | | | | | | | | |  |
| **DT3i** | | | Extrait du Plan Cadastral (dxf) | | | | | | | | | | | | | | | | | |  |
| **DR3** | | | Analyse des Différentes Étapes du Cheminement d’un DMPC | | | | | | | | | | | | | | | | | |  |
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| **ON DEMANDE :** | | | | | | | | | | | | | | | | | | | | | |
|  |  | | Répondre aux questions et enregistrer les fichiers dans le répertoire  U22\_E2\_N° CANDIDAT | | | | | | | | | | | | | | | | | |  |
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| **ON EXIGE :** | | | | | | | | | | | | | | | | | | | | | |
|  | **•** | | Le cheminement du DMPC est clairement identifié. | | | | | | | | | | | | | | | | | |  |
|  | **•** | | La rédaction du DMPC Numérique est juste et correspond au découpage prévu. | | | | | | | | | | | | | | | | | |  |
|  | **•** | | Le dossier « DMPC N°CANDIDAT » est complet et imprimé. | | | | | | | | | | | | | | | | | |  |
|  | **•** | | La chemise verte et l’extrait cadastral sont édités ou imprimés au format pdf. | | | | | | | | | | | | | | | | | |  |
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**ACTIONS DES DIFFÉRENTS INTERVENANTS À L’ÉTABLISSEMENT DU DMPC**

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|  |  |  | **REPÈRE** | | | **ACTIONS** | | | | | | | | | | |  |  |  |
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|  |  |  | **A** | | | Publie l’acte notarié au fichier immobilier. Envoie le DMPC au cadastre avec l’extrait de l’acte notarié pour exploitation et mise à jour. | | | | | | | | | | |  |  |  |
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|  |  |  | **B** | | | Envoie le DMPC au cadastre pour vérification, numérisation des nouvelles parcelles avec attribution des nouvelles références cadastrales. | | | | | | | | | | |  |  |  |
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|  |  |  | **C** | | | Vérifie le DMPC, numérise les nouvelles parcelles et attribue les nouvelles références cadastrales. Renvoie au géomètre expert pour mise à jour du plan (division, réunion, …). | | | | | | | | | | |  |  |  |
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|  |  |  | **D** | | | Établie l’acte notarié et l’envoie au service de la publicité foncière pour publication au fichier immobilier. | | | | | | | | | | |  |  |  |
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|  |  |  | **E** | | | Demande de travaux au géomètre expert avec devis préalable. | | | | | | | | | | |  |  |  |
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|  |  |  | **F** | | | Mise à jour du cadastre en fonction du DMPC accompagné de l’extrait de l’acte notarié. | | | | | | | | | | |  |  |  |
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|  |  |  | **G** | | | Délivre au géomètre expert les documents qu’il a sollicités. | | | | | | | | | | |  |  |  |
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|  |  |  | **H** | | | Exécute les travaux de mesure sur le terrain. Établie le DMPC, le signe et le fait signer au client et acquéreur. | | | | | | | | | | |  |  |  |
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|  |  |  | **I** | | | Signent le DMPC et le rendent au géomètre expert. | | | | | | | | | | |  |  |  |
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|  |  |  | **J** | | | Met à jour le plan (division, réunion, …) et l’envoie au notaire pour établissement de l’acte notarié. | | | | | | | | | | |  |  |  |
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|  |  |  | **K** | | | Demande au cadastre les documents (papier ou numériques) pour établir le DMPC. | | | | | | | | | | |  |  |  |
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**2.1. CHEMINEMENT DU DMPC**

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| important-icone-8164-128.png | Cette question sera traitée obligatoirement sous forme manuelle. |

**2.1.1.** Compléter l’organigramme du trajet d’un DMPC en faisant correspondre les différentes étapes (numérotées 1 à 11 sur le **DR3**) avec les actions (numérotées A à K sur le **DT2**) de chacun des intervenants.

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**Plan de RÉunion (sans échelle)**

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**RENSEIGNEMENTS**

**Coordonnées du Géomètre Expert chargé du dossier**

SARL LAMBERT

Gérard LAMBERT Géomètre Expert

1 avenue du Campus Jean Durand

11400 CASTELNAUDARY

**Identification parcelles anciennes**

Département de : l’AUDE (11)

Ville de : NARBONNE

Lieu-dit : « LES ABRASSOUS BAS »

Section : DZ

Parcelles : 207, 208, 209, 210, 1528 et 1530

**Propriétaire avant et après réunion**

Propriétaire avant et après réunion : M. Loris DARCOS

Né le : 28/05/1958

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**2.2. RÉDACTION D’UN DMPC DE RÉUNION DE PARCELLES**

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| important-icone-8164-128.png | Cette question sera traitée obligatoirement sous forme numérique.  Créer un dossier **U22\_E2\_N°CANDIDAT**, y enregistrer tous les fichiers qui seront créés au fur et à mesure de la rédaction du DMPC. |

La rédaction du « Document Modificatif du Parcellaire Cadastral » se fera par la méthode de réunion de parcelles.

**2.2.1.** PRÉPARATION

* Créer, dans le répertoire **U22\_E2\_N°CANDIDAT**, un nouveau fichier vierge **DMPC\_N°CANDIDAT**.
* Pour plus de facilité, afficher la barre d’outils « DMPC – Réunion » de votre logiciel.

**2.2.2.** PARAMÉTRAGE GÉNÉRAL

* Dans l’onglet « Chemise Verte », insérer les coordonnées du Cabinet du Géomètre Expert chargé de la mission.

**2.2.3.** IMPORT PCI-VECTEUR

* Importer dans le fichier **DMPC\_N°CANDIDAT**, l’extrait de plan cadastral **DT3i**.

**2.2.4.** ÉDITION DU DA

* Renommer le Document d’Arpentage « DA – Le Clos de la Campane ».

**2.2.5.** IDENTIFICATION ANCIENNE PARCELLE

* Identifier les 6 parcelles anciennes sur l’extrait de plan cadastral. Ajouter les NOMS des propriétaires.

**2.2.6.** RÉUNION DE PARCELLES

* Sélectionner automatiquement les parcelles à réunir.
* Créer la réunion après visualisation et vérification.
* Barrer en vert le numéro des anciennes parcelles.

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**2.2.7.** HABILLAGE DE L’EXTRAIT CADASTRAL

* Faire une mise en page au format A3 portrait sur une imprimante générant du pdf.
* Dégeler le calque « cadastre parcelle » pour faire apparaitre la réunion.
* Modification du calque « cadastre parcelle » : couleur rouge, épaisseur du trait 1 mm.
* Étiquette « RÉUNION » à déplacer dans le calque « cadastre parcelle », hauteur 5.

**2.2.8.** IMPRESSION PDF

* Faire une impression pdf de la chemise verte (**CHEMISE\_VERTE\_N°CANDIDAT**) et de l’extrait de plan cadastral (**CADASTRE\_N°CANDIDAT**).

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| Une image contenant texte  Description générée automatiquement | Avant de rendre votre support numérique, vérifier qu’il contient le dossier et les fichiers suivants (cocher les éléments rendus) :  Dossier : **🞏 U22\_E2\_N°CANDIDAT**,   * Fichier : **🞏 DMPC\_N°CANDIDAT**, * Fichier : **🞏 CHEMISE\_VERTE\_N°CANDIDAT (pdf)**, * Fichier : **🞏 CADASTRE\_N°CANDIDAT (pdf)**, * Fichier : **🞏 Tous les fichiers édités lors de l’édition du DMPC**. |

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| **PRODUCTION DE DOCUMENTS TECHNIQUES ET JURIDIQUES** | | | | | | | | | | | | | | | | | | **ÉTUDE 3** | | | |
| **Analyser et Visualiser le Relief** | | | | | | | | | | | | | | | | | | | | | |
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| **SITUATION PROFESSIONNELLE : Cabinet de Géomètre Expert** | | | | | | | | | | | | | | | | | | | | | |
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| Afin de concevoir l’aménagement du lotissement « Le Clos de la Campane », vous devez analyser le relief de l’unité foncière qui le constitue. | | | | | | | | | | | | | | | | | | | | | |
| À partir d’un semis de points en 3D, vous êtes chargé(e) de construire un modèle numérique de terrain, de représenter de plusieurs manières le relief permettant d’étudier l’écoulement des eaux de pluie afin de prévoir certains équipements. | | | | | | | | | | | | | | | | | | | | | |
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| **ON DONNE :** | | | | | | | | | | | | | | | | | | | | | |
| **DT4i** | | | Semis de points (geo) | | | | | | | | | | | | | | | | | |  |
| **DT4i** | | | Semis de points avec séparateur (txt) | | | | | | | | | | | | | | | | | |  |
| **DR4i** | | | Étude du relief (dwg) | | | | | | | | | | | | | | | | | |  |
| **DR4i** | | | Étude du relief (dxf) | | | | | | | | | | | | | | | | | |  |
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| **ON DEMANDE :** | | | | | | | | | | | | | | | | | | | | | |
|  |  | | Répondre aux questions sous forme numérique et enregistrer les fichiers dans le répertoire U22\_E3\_N° CANDIDAT | | | | | | | | | | | | | | | | | |  |
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| **ON EXIGE :** | | | | | | | | | | | | | | | | | | | | | |
|  | **•** | | Le modèle numérique de terrain est réalisé à partir du semis de points 3D. | | | | | | | | | | | | | | | | | |  |
|  | **•** | | Les visualisations 1 à 4 sont réalisées et les présentations correctes avec un cartouche complété. | | | | | | | | | | | | | | | | | |  |
|  | **•** | | Les visualisations 1 à 4 sont éditées ou imprimées au format pdf. | | | | | | | | | | | | | | | | | |  |
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**3.1. modÈle numÉrique de terrain (MNT)**

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| important-icone-8164-128.png | Cette question sera traitée obligatoirement sous forme numérique.  Créer un dossier **U22\_E3\_N°CANDIDAT**, y enregistrer le fichier **DR4i** au nouveau nom **DR4i\_N°CANDIDAT** après l’avoir traité. |

**3.1.1.** Insérer le semis de points **DT4i** (format géobase COVADIS ou TEXTE) dans le fichier **DR4i\_N°CANDIDAT**.

**3.1.2.** Construire le modèle numérique de terrain.

**3.2. Visualisation du relief 1 – Courbes de Niveau avec cotation**

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| important-icone-8164-128.png | Cette question sera traitée obligatoirement sous forme numérique.  Dans le dossier **U22\_E3\_N°CANDIDAT**, enregistrer le fichier **DR4i\_N°CANDIDAT** après l’avoir traité. |

**3.2.1.** Sur le **DR4i\_N°CANDIDAT** tracer les courbes de niveau (Équidistances : 1.00 m et 5.00 m).

**3.2.2.** Coter les courbes de niveau avec l’option « selon un axe à tracer » et « cacher la courbe sous les cotes ».

**3.2.3.** Créer la présentation « Courbes de Niveau » au format A3 à l’échelle 1/1000, faire apparaitre le périmètre du MNT (en noir), les courbes de niveau et leur cotation (couleur 34). Mettre un titre.

**3.2.4**. Éditer ou imprimer le plan DR4i\_N°CANDIDAT\_Courbes\_de\_Niveau.pdf.

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**3.3. Visualisation du relief 2 – FlÈches des Pentes avec lÉgende**

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| important-icone-8164-128.png | Cette question sera traitée obligatoirement sous forme numérique.  Dans le dossier **U22\_E3\_N°CANDIDAT**, enregistrer le fichier **DR4i\_N°CANDIDAT** après l’avoir traité. |

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|  | Exemple accès COVADIS : | |  |
|  |  | **COVADIS 3D** > **ANALYSE DU RELIEF** > **DESSIN DES FLECHES ET PENTES** |  |

**3.3.1.** Sur le **DR4i\_N°CANDIDAT** faire apparaitre les flèches des pentes avec la légende.

**3.3.2.** Créer la présentation « Flèches des Pentes » au format A3 à l’échelle 1/1000, faire apparaitre les facettes du MNT (en noir), les flèches des Pentes et la légende. Mettre un titre.

**3.3.3.** Éditer ou imprimer le plan DR4i\_N°CANDIDAT\_Flèches\_Des\_Pentes.pdf.

**3.4. Visualisation du relief 3 – Écoulement d’une Goutte d’Eau**

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| important-icone-8164-128.png | Cette question sera traitée obligatoirement sous forme numérique.  Dans le dossier **U22\_E3\_N°CANDIDAT**, enregistrer le fichier **DR4i\_N°CANDIDAT** après l’avoir traité. |

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|  | Exemple accès COVADIS : | |  |
|  |  | **COVADIS 3D** > **ANALYSE DU RELIEF** > **ÉCOULEMENT D’UNE GOUTTE D’EAU** |  |

**3.4.1.** Sur le **DR4i\_N°CANDIDAT** créer un calque « Goutte d’Eau » (couleur rouge) et y insérer toutes les lignes d’écoulement des lignes d’eau que vous allez créer.

**3.4.2.** Positionner judicieusement et en nombre suffisant plusieurs gouttes d’eau afin que les lignes d’écoulement dessinées puissent permettre l’étude du relief (positionner un bassin de rétention par exemple).

**3.4.3.** Créer la présentation « Ecoulement d’une Goutte d’Eau » au format A3 à l’échelle 1/1000, faire apparaitre le périmètre du MNT (en noir), et toutes les lignes d’écoulement. Mettre un titre.

**3.4.4.** Éditer ou imprimer le plan DR4i\_N°CANDIDAT\_Goutte\_Eau.pdf.

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| Une image contenant texte  Description générée automatiquement | | | | Avant de rendre votre support numérique, vérifier qu’il contient le dossier et les fichiers suivants (cocher les éléments rendus) :  Dossier : **🞏 U22\_E3\_N°CANDIDAT**,   * Fichier : **🞏 DR4i\_N°CANDIDAT**, * Fichier : **🞏 DR4i\_N°CANDIDAT\_Courbes\_de\_Niveau (pdf)**, * Fichier : **🞏 DR4i\_N°CANDIDAT\_Flèches\_des\_Pentes (pdf)**, * Fichier : **🞏 DR4i\_N°CANDIDAT\_Goutte\_Eau (pdf)**, | | | | | | | | | | | | | | | |

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| **PRODUCTION DE DOCUMENTS TECHNIQUES ET JURIDIQUES** | | | | | | | | | | | | | | | | | | **ÉTUDE 4** | | | |
| **Elaborer une méthode d’implantation** | | | | | | | | | | | | | | | | | | | | | |
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| **SITUATION PROFESSIONNELLE : Cabinet de Géomètre Expert** | | | | | | | | | | | | | | | | | | | | | |
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| Vous devez matérialiser les nouvelles limites des lots numéros 28, 29, 34 et 35. Vous disposez des coordonnées rectangulaires des stations existantes 50, 51, 52 et 53 (références) et des sommets des parcelles numérotées de 1 à 9.  Vous disposez d’un tachéomètre électronique non robotisé et ses accessoires et de matériel d’implantation.  **Vous devez décrire votre méthode d’implantation.** | | | | | | | | | | | | | | | | | | | | | |
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| **ON DONNE :** | | | | | | | | | | | | | | | | | | | | | |
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| **DR5** | | | Document réponse | | | | | | | | | | | | | | | | | |  |
| **DR6** | | | Extrait du plan de la zone concernée par l’implantation sans échelle connue. | | | | | | | | | | | | | | | | | |  |
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| **ON DEMANDE :** | | | | | | | | | | | | | | | | | | | | | |
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|  |  | | Répondre précisément, en respectant les consignes, aux questions sur les documents réponses **DR5 et DR6.** | | | | | | | | | | | | | | | | | |  |
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| **ON EXIGE :** | | | | | | | | | | | | | | | | | | | | | |
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|  | **•** | | le schéma de la méthode d’implantation est réalisé avec soin et précision sur le document réponse ; | | | | | | | | | | | | | | | | | |  |
|  | **•** | | les contrôles nécessaires de l’implantation sont explicités. | | | | | | | | | | | | | | | | | |  |
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**4.1.** Expliquer en quelques mots votre méthode d’implantation.

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**4.2.** Positionner votre station, sur l’extrait de plan de la zone concernée par l’implantation **DR6,** depuis laquelle vous implanter les points 1 à 9. Schématiser-la par une croix bleue. Vous prendrez en compte la végétation dense qui ne permet pas la percée de visée.

**4.3.** Dessiner en bleu sur le **DR6,** les visées permettant l’orientation de la station et les visées d’implantation des points 1 à 9.

**4.4.** Symboliser et dessiner en vert toutes mesures et observations de contrôle sur le **DR6.**

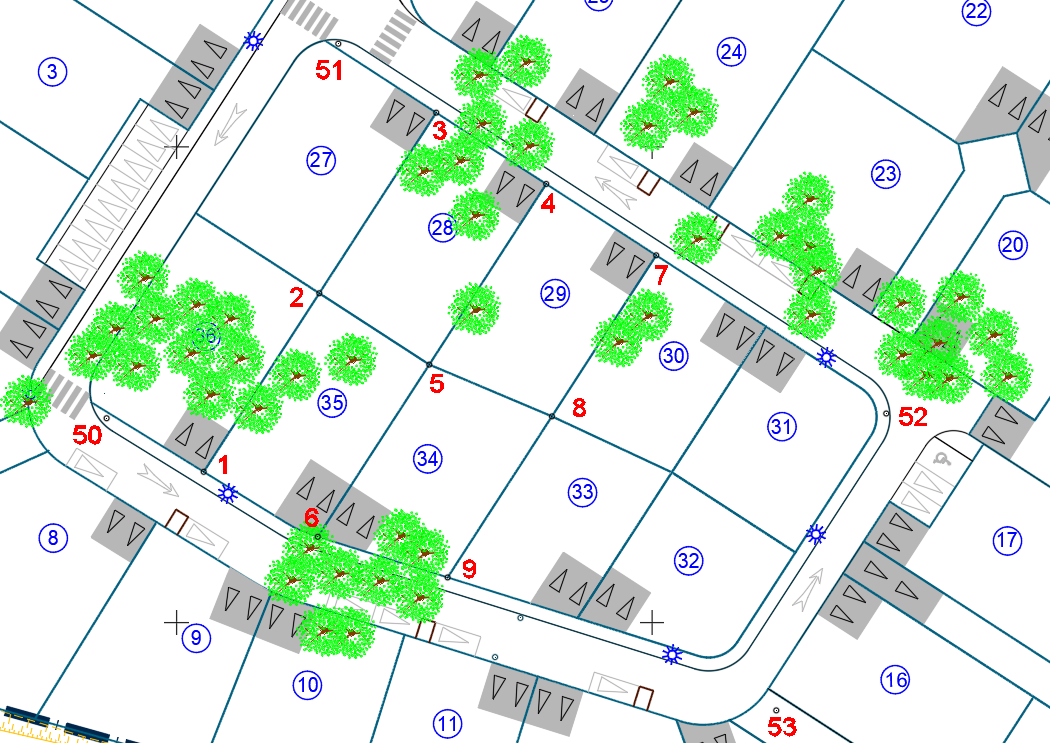
**4.5.** Afin de garantir l’exactitude de la position des points implantés ;

décrire les opérations de contrôle sur le terrain et au bureau :

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**Extrait du plan de la zone concernée par l’implantation (sans échelle)**



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