

## DOSSIER D'APPROBATION DES PLANS

### GARE DE LA TINE ET VOIE DE GARAGE AU LANCIAU

Projet partiel :

Référence projet :

Objet(s) :

MZ 12.54, MZ 13.02

#### Liste des fondations LC

**Pièce n°**

**13.4.1**

Référence du plan : MOB-Tine\_Cartouche PAP V1.dwg



|           |                       |          |       |
|-----------|-----------------------|----------|-------|
| Ligne :   | Montreux - Zweisimmen |          |       |
| PK :      | Km 24.405 à 26.606    |          |       |
| Commune : | Rossinière (VD)       |          |       |
| Echelle : | -                     | Format : | A4/A3 |
| Statut :  | <b>VERSION FINALE</b> |          |       |

☉ Auteur du plan

**MONOD-PIGUET + Associés**  
**Ingénieurs Conseils SA**

Avenue de Cour 32  
1007 Lausanne



**STRATA ARCHITECTURE**

Route de Saint-Julien 40  
1227 Carouge Genève



**COMPAGNIE DU CHEMIN DE FER  
MONTREUX OBERLAND BERNOIS SA**

Rue de la Gare 22 – CP 1426  
1820 Montreux 1

Service :



**Furrer+Frey AG**

Thunstrasse 35  
3000 Bern 6



**GESTE ENGINEERING SA**

Rue de la Gare de Triage 5  
1020 Renens



| Version | Date       | Etabli par | Contrôlé par | Modifications       |
|---------|------------|------------|--------------|---------------------|
| -       | 01.07.2022 | OGN        | YPG          | Version initiale V0 |
|         |            |            |              |                     |
|         |            |            |              |                     |
|         |            |            |              |                     |

Maître de l'ouvrage : **COMPAGNIE DU CHEMIN DE FER MONTREUX OBERLAND BERNOIS SA**

Yves Pittet

Resp. Domaine Infrastructure .....

Alain Morand

Resp. Département Projets .....

Jennifer Desponds

Cheffe de projet .....

Auteur du projet :

Olivier Griessen

Chef de projet .....

Date :

Montreux, le .....

# Fundamentliste

|        |                                           |                  |              |    |                         |
|--------|-------------------------------------------|------------------|--------------|----|-------------------------|
| Projet | Gare de la Tine et voie de garage Lanciau | Auteur           | David Calero | 64 | Nbre Fondation standard |
| ISP    |                                           | Date de la liste | 04.03.2022   | 7  | Nbre fondation speciale |
| Phase  | PAP                                       | Langue           | Französisch  | 71 | Total Fondations        |

| Informations sur la position et la hauteur / Type de mât |       |                |         |            |      |                  |              |                    |             |       |                      |                    | Données de Fondation |                                                       |                    | Remarques | Suivi                 |  |
|----------------------------------------------------------|-------|----------------|---------|------------|------|------------------|--------------|--------------------|-------------|-------|----------------------|--------------------|----------------------|-------------------------------------------------------|--------------------|-----------|-----------------------|--|
| Mât                                                      |       | Voie de ref.   | Dévers  | Distance a | hkg  | Orientation Tête | Espace libre | Coordonnées (LV95) |             |       | Altitude             | Fondation standard |                      | Boulons de fondation                                  | Fondation spéciale |           | Dernière modification |  |
| Km                                                       | N°    | Type de mât LC | N° Voie | [mm]       | [m]  | [cm]             | [m]          | axe-E              | axe-N       | axe-Z | Selon projet LC / SA | N° du dessin       | Numéro d'article     | technique / N° de plan selon les protocoles de calcul | Date               |           | User                  |  |
| 24.405                                                   | 59    | DP22           | PV      | 0          | 3.05 | 0                |              | 2569666,745        | 1146804,968 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.409                                                   | 59AS  | A36            | PV      | 0          | 3.05 | 0                |              | 2569667,666        | 1146800,522 |       | DP2a/2.0             | 0161.1011.0175     | 371.10.10            |                                                       |                    |           |                       |  |
| 24.434                                                   | 60    | DP22           | PV      | -51        | 3.07 | 25               |              | 2569673,939        | 1146776,873 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.460                                                   | 61    | DP22           | PV      | -51        | 3.05 | -                |              | 2569683,471        | 1146752,468 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.490                                                   | 62    | DP22           | PV      | 0          | 3    | -                |              | 2569697,733        | 1146725,663 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.525                                                   | 63    | DP22           | PV      | 0          | 3    | -                |              | 2569715,160        | 1146695,345 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.556                                                   | 64    | DP22           | PV      | 51         | 3    | -                |              | 2569730,074        | 1146667,764 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.574                                                   | 1AS   | A30            | PV      | 51         | 3    | 40               |              | 2569737,046        | 1146651,297 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.579                                                   | 1     | DP22           | PV      | 51         | 3    | 40               |              | 2569738,535        | 1146647,008 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.610                                                   | 2     | DP22           | PV      | 0          | 3    | 50               |              | 2569746,932        | 1146617,224 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.647                                                   | 3     | DP22           | PV      | 0          | 3    | -                |              | 2569755,790        | 1146581,328 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.677                                                   | 4     | DP22           | PV      | 0          | 3.5  | -                |              | 2569762,501        | 1146552,076 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.681                                                   | 4AS   | A30            | PV      | 0          | 3.5  | -                |              | 2569763,588        | 1146547,668 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.709                                                   | 5     | DP26           | 2       | 0          | 3.5  | -                |              | 2569769,692        | 1146521,045 |       | DP2a/2.0             | 0161.1011.0175     | 371.10.10            |                                                       |                    |           |                       |  |
| 24.709                                                   | 6AN   | A30            | 20      | 0          | -    | -                |              | 2569777,902        | 1146521,932 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.714                                                   | 6     | DP22           | 20      | 0          | -    | -                |              | 2569778,989        | 1146517,524 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.741                                                   | 7     | DP22           | 2       | 0          | 3.5  | 48               |              | 2569786,052        | 1146491,777 |       | DP1a/2.4             | 0161.1011.0174     | 371.10.08            |                                                       |                    |           |                       |  |
| 24.741                                                   | 8     | DP22           | 20      | 0          | 3.5  | 35               |              | 2569774,978        | 1146489,874 |       | DP1a/2.4             | 0161.1011.0174     | 371.10.08            |                                                       |                    |           |                       |  |
| 24.777                                                   | 9     | DP22           | 20      | 0          | 3.5  | -66              |              | 2569792,321        | 1146455,736 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.777                                                   | 10    | DP26           | 2       | 0          | 3.5  | 45               |              | 2569778,583        | 1146454,397 |       | DP2a/2.0             | 0161.1011.0175     | 371.10.10            |                                                       |                    |           |                       |  |
| 24.803                                                   | 11    | DP22           | 20      | 0          | 3    | -                |              | 2569796,326        | 1146429,791 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.803                                                   | 12    | DP26           | 2       | -15        | 3.5  | -                |              | 2569780,113        | 1146428,473 |       | DP2a/2.0             | 0161.1011.0175     | 371.10.10            |                                                       |                    |           |                       |  |
| 24.821                                                   | 13    | DP22           | 20      | 0          | 3    | -                |              | 2569799,332        | 1146412,506 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.821                                                   | 14    | DP26           | 2       | -45        | 3.5  | -                |              | 2569781,631        | 1146410,364 |       | DP2a/2.0             | 0161.1011.0175     | 371.10.10            |                                                       |                    |           |                       |  |
| 24.840                                                   | 15    | DP22           | 20      | 0          | 3    | -                |              | 2569802,150        | 1146396,304 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.840                                                   | 16    | DP26           | 2       | -62        | 3.5  | -                |              | 2569784,625        | 1146392,630 |       | DP2a/2.0             | 0161.1011.0175     | 371.10.10            |                                                       |                    |           |                       |  |
| 24.857                                                   | 17    | DP26           | 20      | -6         | 3    | -40              |              | 2569804,939        | 1146380,385 |       | DP2a/2.0             | 0161.1011.0175     | 371.10.10            |                                                       |                    |           |                       |  |
| 24.857                                                   | 18    | DP22           | 2       | -62        | 3.5  | 25               |              | 2569789,367        | 1146375,924 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.872                                                   | 19    | DP22           | 20      | -20        | 3    | -                |              | 2569808,526        | 1146367,016 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.872                                                   | 20    | DP22           | 2       | -62        | 3.5  | -                |              | 2569795,088        | 1146361,567 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.887                                                   | 21    | DP22           | 1       | -20        | 3    | -                |              | 2569814,329        | 1146354,886 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.887                                                   | 22    | DP22           | 2       | -62        | 3    | 25               |              | 2569803,042        | 1146347,305 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.900                                                   | 23    | DP22           | 1       | -20        | 3    | 20               |              | 2569821,198        | 1146344,680 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.910                                                   | 24    | DP22           | 2       | -57        | 3.5  | -                |              | 2569815,991        | 1146327,642 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.921                                                   | 25    | DP22           | 1       | -15        | 3    | -                |              | 2569833,770        | 1146328,236 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.940                                                   | 26    | DP22           | 2       | 0          | 3.2  | -                |              | 2569836,527        | 1146305,431 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.947                                                   | 27    | DP22           | 1       | 0          | 2.35 | -                |              | 2569850,576        | 1146310,586 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.951                                                   | 27AN  | A30            | 1       | 0          | 2.35 | -                |              | 2569853,635        | 1146307,231 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.984                                                   | 28    | DP22           | 1       | 0          | 2.35 | -                |              | 2569876,640        | 1146283,625 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 24.984                                                   | 29    | DP22           | 2       | 0          | 3.2  | -                |              | 2569866,738        | 1146274,065 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.017                                                   | 30    | DP22           | 1       | 0          | 2.3  | 15               |              | 2569899,307        | 1146260,029 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.017                                                   | 31    | DP22           | 2       | 0          | 3.2  | 25               |              | 2569889,498        | 1146250,464 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.033                                                   | 32AS  | A30            | 1       | 13         | 2.4  | 21               |              | 2569910,908        | 1146248,042 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.038                                                   | 32    | DP22           | 1       | 13         | 2.4  | 21               |              | 2569913,987        | 1146244,761 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.038                                                   | 33    | DP22           | 2       | 0          | 3    | 25               |              | 2569903,956        | 1146235,460 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.063                                                   | 34    | DPM24          | 2       | 50         | 3.2  | 50               |              | 2569920,697        | 1146217,466 |       | HP1a/2.4             | 0161.1011.0185     | 371.10.11            |                                                       |                    |           |                       |  |
| 25.082                                                   | 35    | DP26           | 2       | 60         | 3.2  | -                |              | 2569932,586        | 1146202,355 |       | DP2a/2.0             | 0161.1011.0175     | 371.10.10            |                                                       |                    |           |                       |  |
| 25.100                                                   | 36    | DP26           | 2       | 30         | 3.2  | -                |              | 2569942,454        | 1146187,341 |       | DP2a/2.0             | 0161.1011.0175     | 371.10.10            |                                                       |                    |           |                       |  |
| 25.128                                                   | 37    | DP22           | 2       | 0          | 3.25 | 70               |              | 2569956,993        | 1146163,261 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.151                                                   | 38    | DP22           | 2       | -20        | 3.5  | 40               |              | 2569966,662        | 1146143,563 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.176                                                   | 39    | DP22           | 2       | -60        | 3.5  | 40               |              | 2569983,292        | 1146122,220 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.180                                                   | 39AS  | A30            | 2       | -60        | 3.5  | 40               |              | 2569986,116        | 1146118,665 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.197                                                   | 40    | DP22           | PV      | -60        | 3.5  | -                |              | 2569997,804        | 1146106,349 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.220                                                   | 41    | DP22           | PV      | -5         | 3.5  | -                |              | 2570015,720        | 1146091,581 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.284                                                   | 1     | DP22           | PV      | -74        | 3.2  | -                |              | 2570066,262        | 1146053,170 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.301                                                   | 2     | DP22           | PV      | -74        | 3.2  | -                |              | 2570081,774        | 1146045,283 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.321                                                   | 3     | DP22           | PV      | -74        | 3.5  | -                |              | 2570101,011        | 1146038,242 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.341                                                   | 4     | DP22           | PV      | -74        | 3.2  | -                |              | 2570121,181        | 1146034,643 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.363                                                   | 5     | DP22           | PV      | -50        | 3.2  | -                |              | 2570143,562        | 1146033,717 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.383                                                   | 5A    | DP22           | PV      | 0          | 3.2  | -                |              | 2570173,751        | 1146035,935 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 25.433                                                   | 5B    | DP22           | PV      | 0          | 3.2  | -                |              | 2570213,582        | 1146039,593 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 26.107                                                   | 25AS  | A30            | 92      | -28        | 2.5  | 30               |              | 2570849,359        | 1145920,354 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 26.148                                                   | 26    | DP22           | 92      | -28        | 3    | 50               |              | 2570891,189        | 1145924,558 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 26.184                                                   | 27    | DP22           | 92      | -28        | 3    | -                |              | 2570926,842        | 1145930,955 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 26.221                                                   | 28    | DP22           | 93      | -28        | 2.6  | 77               |              | 2570963,551        | 1145940,020 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 26.257                                                   | 28A   | DP26           | 92      | -17        | 3    | 25               |              | 2570996,486        | 1145953,431 |       | DP2a/2.0             | 0161.1011.0175     | 371.10.10            |                                                       |                    |           |                       |  |
| 26.277                                                   | 28B   | DP22           | 93      | 0          | 3.5  | 25               |              | 2571017,084        | 1145958,530 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 26.301                                                   | 28C   | DP22           | 93      | 0          | 2.6  | -11              |              | 2571041,358        | 1145961,250 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 26.301                                                   | 29    | DP22           | 92      | 0          | 3    | -20              |              | 2571035,679        | 1145974,919 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 26.329                                                   | 28D   | DP22           | 92      | 0          | 9.57 | 120              |              | 2571066,824        | 1145974,737 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |
| 26.333                                                   | 28DAN | A30            | 92      | 0          | 9.57 | 120              |              | 2571071,005        | 1145976,401 |       | DP1a/1.8             | 0161.1011.0172     | 371.10.07            |                                                       |                    |           |                       |  |