

**MATERIAL METALIC PENTRU CONFECTIONAREA PARAPETULUI PODETULUI / THE METALLIC MATERIAL TO BUILD PARAPET OF CULVERT**

| Poz. / Piece                    | Denumirea materialului / The denomination of the material | Buc. | Sectiune / Section | Lung. / Long. (mm) | Sectiune / Section |        |        |
|---------------------------------|---|------|--------------------|--------------------|--------------------|--------|--------|
|                                 |   |      |                    |                    | kg/ml              | kg/buc | kg     |
| P1                              | Placuta prindere / Clamping plate                         | 4    | 200x20             | 200                | 31.40              | 6.28   | 25.12  |
| P2                              | Stalp parapet EN 10297 - E275                             | 4    | 70x4               | 970                | 6.51               | 6.32   | 25.26  |
| P3                              | Mana curenta EN 10297 - E275                              | 2    | 70x4               | 2900               | 6.51               | 18.88  | 37.76  |
| P4                              | Umplutura EN 10058  | 2    | 38x3,5             | 1980               | 2.98               | 5.90   | 11.80  |
| P5                              | Lisa EN 10058   | 2    | 38x3,5             | 1980               | 2.98               | 5.90   | 11.80  |
| Total partial / Partially total |   |      |                    |                    |                    |        | 111.74 |
| Sudura 2% / Welding 2%          |   |      |                    |                    |                    |        | 2.24   |
| TOTAL kg                        |   |      |                    |                    |                    |        | 115    |

**NOTA:**

- Prezentul plan s-a intocmit pe baza urmatoarelor date:
  - plan de situatie
  - profil in lung
  - profil transversal
  - fisa podului
  - calcul hidraulic
  - date culese pe teren
- Podetului corespunde la convoaiele de calcul UIC (LM71 si SW/2)
- La executie se vor respecta cu strictete prevederile din "Normativ pentru producerea betonului si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea 1: Producerea betonului", indicativ NE 012/1-2007 si "Normativ pentru producerea betonului si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea 2: Executarea lucrarilor din beton", indicativ NE 012/2-2010, iar verificarea calitatii lucrarilor si receptiunea lor se va face conform normativului C56-1985.
- Daca la executie se vor constata neconcordanțe între situatia existenta pe teren si cea din proiect se va anunta proiectantul.
- Constructia se incadreaza in categoria de importanta B (constructii de importanta deosebita), modelul 1 de asigurare a calitatii si clasa de importanta B, conform HG 766/1997.
- Proiectul va fi verificat la exigentele A4.2; B2.2; D2.2.
- Se atrage in mod deosebit atentia asupra obligativitatii rezemarii elevatiilor prefabricate pe blocul de fundatie prin intermediul unui strat de mortar de ciment pentru a se realiza un contact perfect pe toata suprafata între talpa prefabricatului si fundatie. Se interzice rezemarea directa fara strat de mortar de ciment.

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| Indice / Index | Data / Date | Modificare / Modification/Revision | Proiectant / Designer | Aprobat Consultant / Approved Consultant | Aprobat CFR / Approved CFR |
|----------------|-------------|------------------------------------|-----------------------|--|----------------------------|
|                | 12.2011     | Revizia 1                          | Ioan Rentea           |  |                            |

**GUVERNUL ROMANIEI / ROMANIAN GOVERNMENT**

**PROIECT FINANTAT DE UNIUNEA EUROPEANA / EUROPEAN UNION FINANCED PROJECT**

**CFR**

**C.N.C.F. "C.F.R." - S.A.**

**CLIENT / CLIENT**

**ITALFERR** GRUPPO FERROE DELLO STATO Joint Venture leader

**Scott Wilson**

**OBERMEYER PLANEN + BERATEN GmbH**

**TECNIC Consulting Engineers**

**CONSULTANT / CONSULTANT**

| Aprobat / Approved | ef proiect / Project manager                   | R. Liuzza       | Data / Date | Semn tur / Signature |
|--------------------|--|-----------------|-------------|----------------------|
|                    | Coordonator Sec iune 1 / Section 1 Coordinator | C. Gambelli     |             |                      |
|                    | Expert Cheie / Checking Expert                 | V.Kallidromitis |             |                      |

**SUBCONTRACTANT / SUBCONTRACTOR**

| Aprobat / Approved | Responsabil Subconsultant / Subconsultant Responsible | A. Dinulescu Stanciu | 01.2011 |  |
|--------------------|---|----------------------|---------|--|
|                    | Proiectant / Designer                                 | Ioan Rentea          | 03.2011 |  |

Reabilitarea liniei de cale ferata CA [CA] la [CA] c a coridorului IV Pan European, pentru circula ia trenurilor cu viteza maxim de 160 km/h, **Tronsonul : Braşov - Sighişoara**

Rehabilitation of the railway line Braşov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h, **Section : Braşov - Sighişoara**

Denumire desen / Drawing Title : **HALTA DE MISCARE / HALT THE MOVEMENT FELDIOARA / PODET - KM. 191+009.236 / KM. 191+009.236 - CULVERT / DISPOZITIE GENERALA / GENERAL DISPOSITION**

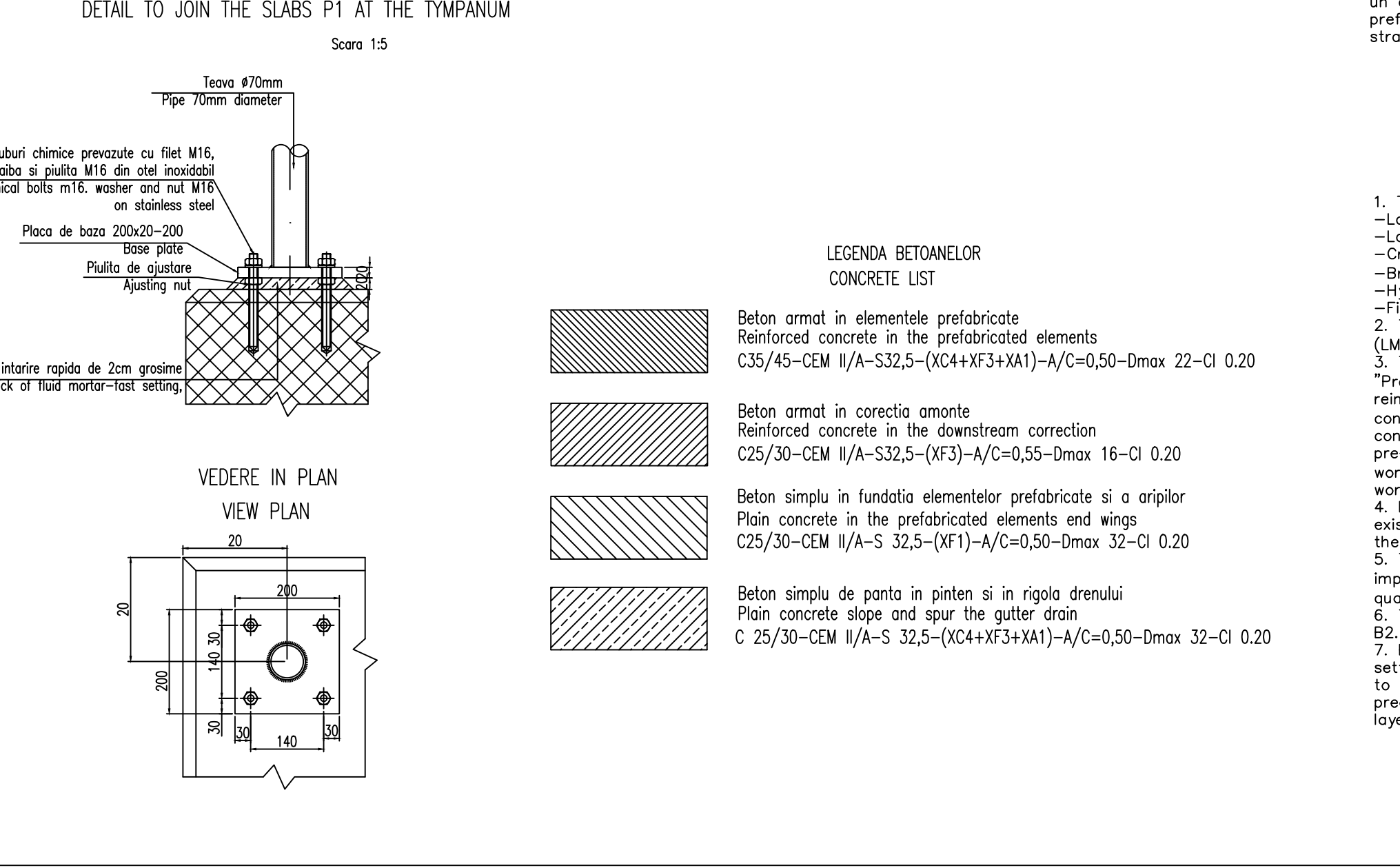
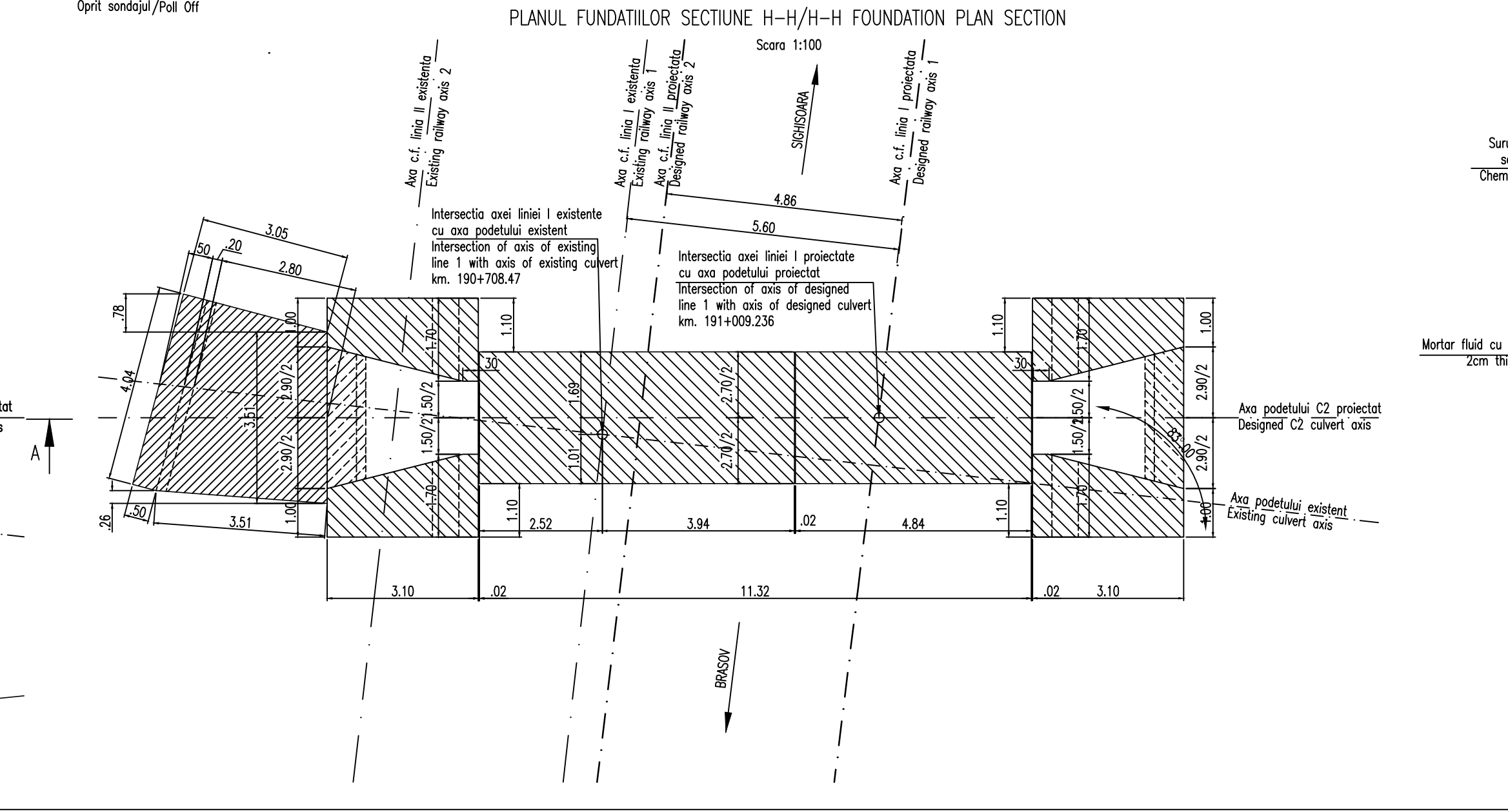
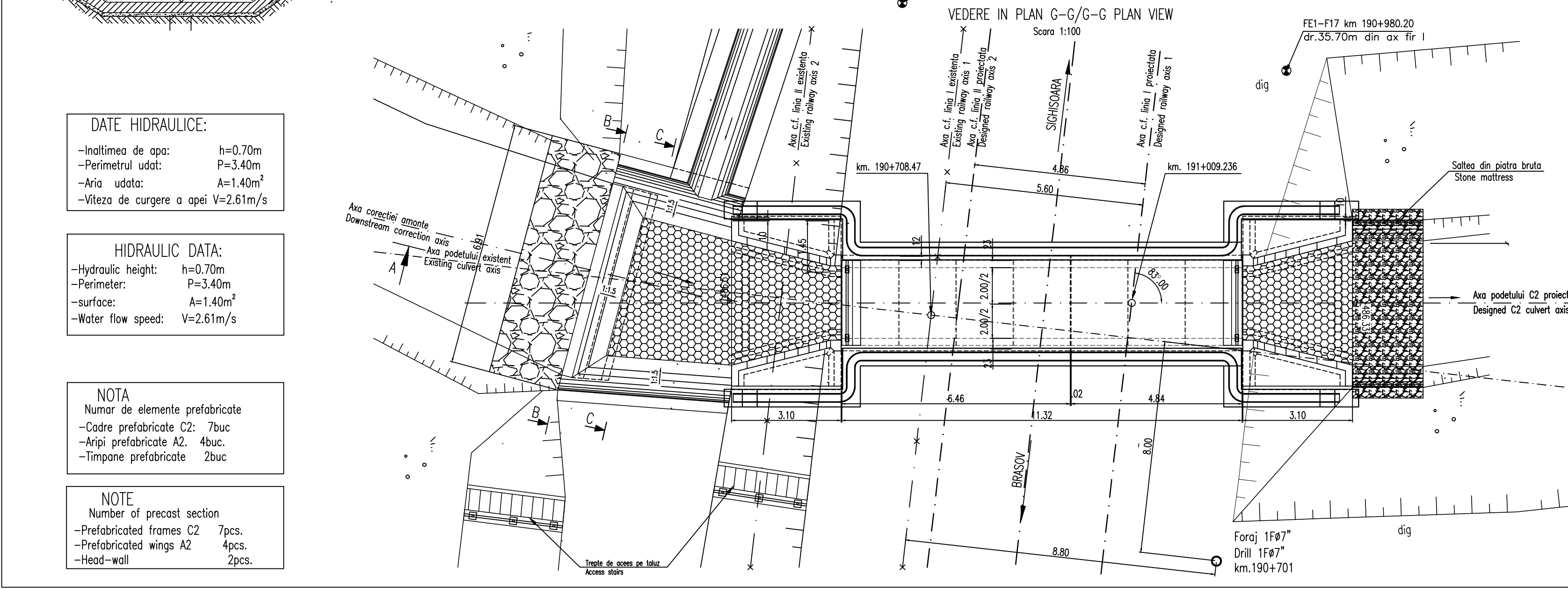
Codificare / Codification System

Scara / Scale 1:100; 1:5

LOT / LOT

Nr. / No 01 / 01

E A 5 1 0 1 C 0 6 P A P O 0 1 4 1 0 0 2 1



**NOTE:**

- This plan has been drawn up based on the following data:
  - Lay-out Plan
  - Longitudinal Profile
  - Cross-section Profile
  - Bridges's File
  - Hydraulic determination
  - Field Data
- The culvert corresponds to the UIC determination convoys (LM71 and SW/2).
- The execution will strictly comply with the provisions of "Practice code for the concrete production and works execution, reinforced and pre-stressed concrete - Part 1: Practice code for concrete production" NE 012/1-2007 and "Practice code for the concrete production and works execution, reinforced and pre-stressed concrete - Part 2: The execution of concrete works" NE 012/2-2010, and the quality and the reception of the works shall be made accordingly to Norm C 56-1985.
- If during the execution, discrepancies are found between the existing situation on site and the situation stated in the project, the designer will be noticed.
- The construction has been classified in B category of importance (high important constructions), model 1-ensuring the quality and class of importance B according to G.O. 766/97.
- The project will be checked in order to comply with the A4.2; B2.2; D2.2 requirements.
- Particular attention is drawn on binding prefabricated elevations settlement on block foundation through a layer of cement mortar to achieve a perfect contact over the entire surface between precast and foundation base.Propping is prohibited without direct layer of cement mortar.