NOTA:
I. Prezentul plan a fost realizat avand la baza urmatoarele date:
- date puse la dispozitie de Beneficiar;
- date culese de pe teren cu ocazia vizitarii obiectivului (masuratori, fotografii relevante, etc.)
- studiu topografic realizat in anul 2018;
- studiu geotehnic realizat in anul 2018;

Forajele geotehnice trecute pe plan sunt preluate din studiul geotehnic actual, si din planul "Dispozitie Generala" realizata in anul 1977.

II. Constatari:
Conform datelor culese de pe teren se constata urmatoarele:
- degradarea betonului cadrelor prefabricate C2 (zone refacute acoperite cu mortar, crapaturi, zone cu uscare petei de rugina si de carbonatare ca urmare a infiltratiei apei, porturi de beton cu segregari, etc.);
- rosturile dintre cadrele prefabricate cu fost refacute cu mortar, si ingrosarea si porturile marginale care ne deteriorarea;
- timpanul din capatul amonte al podetului este degradat si are bucati din zidarie cazute in albie;
- zidaria de caramida prezinta degradari si defecte: caramizi erodate, caramizi crapate, caramizi lipsa, rosturile dintre caramizi au pe alocuri mortarul cazut, in anumite zone s-au produs infiltratii;
- degradarea extradosului bolti amonte, pe portiunea unde podetul este traversat de drumul local de pamant (lipsa hidroizolatiei la extrados);
- degradarea usoara a aripilor prefabricate din beton;
- scarile existente pe ambele taluzuri sunt necorespunzatoare, avand treptele lipsa, dislocate si degradate, lipsesc parapetele de siguranta;
- atat albia cat si podetul pe toata lungimea sa prezinta o colmatare medie.

III. Anul constructiei: 1977

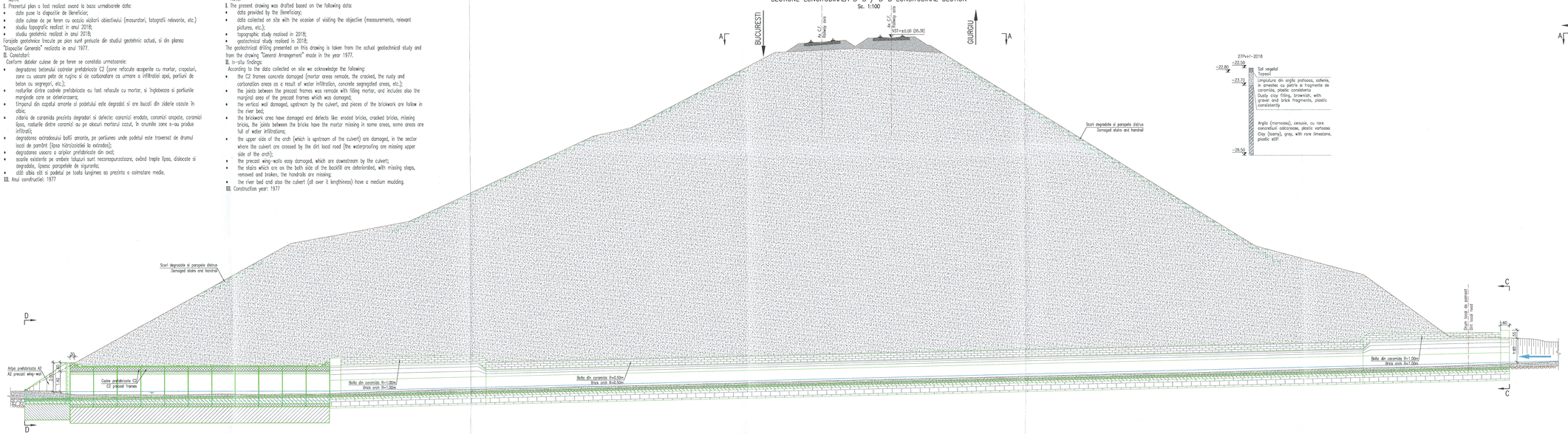
NOTE:
I. The present drawing was drafted based on the following data:
- data provided by the Beneficiary;
- data collected on site with the occasion of visiting the objective (measurements, relevant pictures, etc.);
- topographic study realised in 2018;
- geotechnical study realised in 2018;

The geotechnical drilling presented on this drawing is taken from the actual geotechnical study and from the drawing "General Arrangement" made in the year 1977.

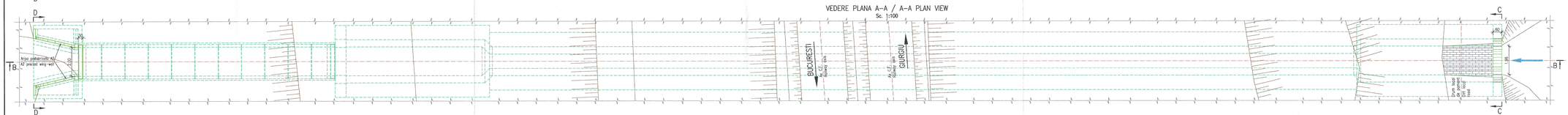
II. In-situ findings:
According to the data collected on site we acknowledge the following:
- the C2 frames concrete damaged (mortar areas remade, the cracked, the rusty and carbonation areas as a result of water infiltration, concrete segregated areas, etc.);
- the joints between the precast frames was remade with filling mortar, and includes also the marginal area of the precast frames which was damaged;
- the vertical wall damaged, upstream by the culvert, and pieces of the brickwork are follow in the river bed;
- the brickwork area have damaged and defects like: eroded bricks, cracked bricks, missing bricks, the joints between the bricks have the mortar missing in some areas, some areas are full of water infiltrations;
- the upper side of the arch (which is upstream of the culvert) are damaged, in the sector where the culvert are crossed by the dirt local road (the waterproofing are missing upper side of the arch);
- the precast wing-walls easy damaged, which are downstream by the culvert;
- the stairs which are on the both side of the backfill are deteriorated, with missing steps, removed and broken, the handrails are missing;
- the river bed and also the culvert (all over it lengthiness) have a medium mudding.

III. Construction year: 1977

SECTIUNE LONGITUDINALA B–B / B–B LONGITUDINAL SECTION
Sc. 1:100



VEDERE PLANA A–A / A–A PLAN VIEW
Sc. 1:100



VEDERE D–D / D–D VIEW
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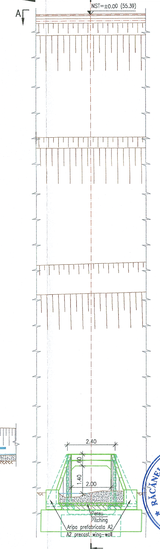

VEDERE C–C / C–C VIEW
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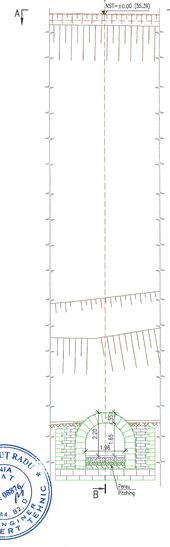

BACANELI IONUT RADU
ROMANIA
Nr. 0807
A4 B3
INGINER EXPERT TEHNIC

PROIECT FINANTAT DE UNIUNEA EUROPEANĂ / EUROPEAN UNION FINANCED PROJECT		GUVERNUL ROMÂNIEI / GOVERNMENT OF ROMANIA	
BENEFICIAR / BENEFICIARY:	COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A. / ROMANIAN RAILWAY NATIONAL COMPANY		
PROIECTANT / DESIGNER: ASOCIERIA / JOINT VENTURE:	B & acciona / Ingenieria; J40/697/7.12.2011; J40/10534/2004	DENUMIRE PROIECT / DENOMINATION OF PROJECT:	"MODERNIZAREA LIMBII CF BUCURESTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERA" / Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA / "MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BUCHAREST NORTH - JILAVA - GIURGIU NORTH - GIURGIU NORTH EUROPEAN" / Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BUCHAREST NORTH - GIURGIU NORTH - GIURGIU NORTH BORDER
		DENUMIRE LUCRARE: PROJECT TITLE / WORKS TITLE:	PODURI / BRIDGES
PROIECTANT / DESIGNER:	NUME / NAME: Ing. Mădălin Mutu	SEMNĂTURA / SIGNATURE	SPECIALITATE / SPECIALITY
EXPERT CHEIE / KEY EXPERT:	Ing. Felicia IOANID		
MP/PM:	Ing. Marin BAICU	DENUMIRE PLAN / DRAWING TITLE	RELEVEU PODET KM 53+451 / CULVERT SURVEY KM 53+451
DATA / DATE: 04.2018		SCARA / SCALE: 1:100	EXEMPLAR NR. / EXEMPLAR NO.:
			COD PLAN / CODIFICATION SYSTEM: ET 207 Lot 2 27 Pd06 01 00