

PLAN GENERAL / KEY PLAN

NOTE / NOTES

SISTEM DE PROIECTIE: STEREO70
PLAN DE REFERINTA: MN75

Beneficiar / Employer



MUNICIPIUL CLUJ-NAPOCA
Cluj-Napoca, cod poștal 400001, Calea Moșilor nr. 1-3



Supervisor / Supervisor

Antreprenor / Contractor



GÜLERMAK AĞIR SANAYİ İNŞAAT VE TAHHÜT A.Ş.
ARCADA COMPANY S.A.
GÜLERMAK SPÓLKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ
ALSTOM TRANSPORT S.A.

Name Of The Work / Numele Lucrării

TREN METROPOLITAN GIŁĂU - FLOREȘTI - CLUJ - NAPOCA - BACIU
APAHIDA - JUCU - BONȚIDA ETAPA I A SISTEMULUI DE TRANSPORT
METROPOLITAN RAPID CLUJ: MAGISTRALA I DE METROUȘI TREN METROPOLITAN
COMPONENTA 1. MAGISTRALA I DE METROU CLUJ

DOCUMENTATIE TEHNICA PENTRU OBTINEREA AUTORIZATIEI DE CONSTRUIRE
TECHNICAL DOCUMENTATION FOR OBTAINING THE BUILDING PERMIT

-	-	-	-	-
1	22.09.2023	-	-	-
0	17.08.2023	Prima editie / First Issue	O. ABAKAY	I.G. TUNAY / E. BERKMEYER K. TOKGOZOGLU
Rev. / Rev.	Data / Date	Descriere / Description	Desenat / Drawn By	Proiectat / Desig. Verificat / Cont.By

Vol: Titlu / Title	COD PLAN: M1CJ.C01.000.STD.00-DW.004.01-CJV.PCN	Scară / Scale 1/2000	Data / Date 17.08.2023
-----------------------	--	-------------------------	---------------------------

Aprobat / Approved	Nume / Name De catre / By	Proiectant / Designer	Antreprenor / Contractor	Supervisor / Supervisor	Beneficiar / Employer
--------------------	------------------------------	-----------------------	--------------------------	-------------------------	-----------------------

Numele Desenului / Drawing Name		4/4
PLAN DE INVESTIGAȚIE A SUBTERANEI SUBSURFACE INVESTIGATION PLAN		

Proiectant / Designer	
-----------------------	--

Proiectant De Specialitate / Special Designer	
Manager De Proiect / Project Manager	-----
Sef Echipa Proiectare / Design Manager	-----
Verificat / Controlled By	-----
Proiectat / Designed By	-----
Verificator / Controller	

Total F.Nr.	PS Nr.	Pz	ID FORAJ	COORDONATE		TIP DE STRUCTURA	ADANCIME (m)
				(Oblique Stereographic/ Oblic Stereografic			
				Dealul Piscului 70			
1			CC3-01	382722.05	583210.82	Cut&Cover	25
2			CC3-02	382768.96	583122.47	Cut&Cover	25
3			S01-01	382934.74	583059.09	Statie 1	25
4			CC3-03	383205.33	582900.98	Cut&Cover	30
5			CC3-04	384086.74	582746.36	Cut&Cover	25
6			CSM-01	385072.34	582824.45	Put	48
7			CSM-02	385870.27	583692.05	Put	35
8			CSM-03	386081.30	583755.23	Put	35
9			CSM-04	387135.49	584079.52	Put	35
10			CSM-05	388745.72	584416.29	Put	45
11			CSM-06	389583.45	584872.87	Put	40
12			CSM-07	389954.77	585498.63	Put	30
13			CSM-08	395607.58	586383.73	Put	30
14			S02-01	384334.37	582678.25	Statie 2	40
15			S02-02	384330.44	582747.26	Statie 2	40
16			S02-03	384431.04	582696.27	Statie 2	40
17			S02-04	384428.25	582745.31	Statie 2	40
18	1		S03-01 (PZ)	385637.56	583188.63	Statie 3	40
19			S03-02	385658.80	583351.89	Statie 3	40
20	2		S04-01 (PZ)	386035.30	583983.99	Statie 4	25
21	3		S05-01 (PZ)	387717.16	584135.07	Statie 5	45
22			S05-02	387922.84	584128.07	Statie 5	55
23			S05-03	387852.25	584207.26	Statie 5	45
24			S06-01	389143.51	584636.56	Statie 6	45
25			S08-01	390157.38	585508.93	Statie 8	45
26			S08-02	390343.71	585596.75	Statie 8	45
27	4		S09-01 (PZ)	391022.32	585797.58	Statie 9	40
28			S10-01	391672.59	586157.88	Statie 10	50
29			S11-01	392386.68	586603.20	Statie 11	45
30			S12-01	392948.38	586893.17	Statie 12	45
31	5		S13-01 (PZ)	393591.53	587233.88	Statie 13	40
32	6		S14-01 (PZ)	394204.90	587436.29	Statie 14	40
33			S15-01	395307.87	587702.40	Statie 15	50
34	7		S15-02 (PZ)	395340.64	587745.33	Statie 15	45
35	8		S16-01 (PZ)	396069.81	587949.86	Statie 16	30
36	9		S17-01 (PZ)	396113.88	587981.17	Statie 17	35
37	10		S18-01 (PZ)	395042.16	585781.48	Statie 18	35
38			S19-01	396219.02	586237.74	Statie 19	35
39			D-01	397796.47	586211.70	Depozit	20
40			D-02	397874.48	586184.25	Depozit	20
41	11		D-03 (PZ)	397830.03	586138.11	Depozit	20
42			D-04	397745.97	586116.44	Depozit	20
43			D-05	397929.40	586075.33	Depozit	20
44			D-06	398038.08	586164.06	Depozit	20
45	12		D-07 (PZ)	398035.71	586095.23	Depozit	20
46			D-08	397946.82	586075.90	Depozit	20
47			D-09	398013.93	586031.51	Depozit	20
48			CC1-01	396788.95	586184.48	Cut&Cover (W)	25
49			CC1-02	396985.08	586218.12	Cut&Cover (W)	33
50			CC1-03	397183.18	586249.17	Cut&Cover (W)	18
51			CC1-04	397384.46	586277.27	Cut&Cover (W)	18
52			CC1-05	397625.48	586310.85	Cut&Cover (W)	18
53			CC2-01	394572.27	587482.08	Cut&Cover	40
54			CC2-02	394687.99	587483.32	Cut&Cover	40
55			CC2-03	394617.86	587539.42	Cut&Cover	40
56			CC2-04	394705.51	587574.82	Cut&Cover	40
57			CC2-05	394955.45	587615.18	Cut&Cover	40
58			T1	384480.00	582732.00	TBM	30
59			T2	385496.58	582998.91	TBM	60
60			T3	385615.30	583042.80	TBM	40
61			T4	386340.50	583840.00	TBM	25
62			T5	387377.60	584117.60	TBM	40
63			T6	388107.27	584764.45	TBM	30
64			T7	388477.93	584270.54	TBM	50
65			T8	388690.77	584396.30	TBM	25
66			T9	389265.09	584711.91	TBM	40
67			T10	389801.05	584916.87	TBM	35
68			T11	389883.41	585040.90	TBM	45
69			T12	390430.44	585607.88	TBM	45
70			T13	391398.68	586058.05	TBM	30
71			T14	391902.91	586306.94	TBM	34
72			T15	392234.94	586545.39	TBM	32
73			T16	394773.99	587386.87	TBM	25
74			T17	395183.67	586667.61	TBM	28
75			T18	395041.47	587605.99	TBM	27
76			T19	396076.81	587977.49	TBM	22
77			T20	396134.40	588517.25	TBM	27
78			T21	385672.12	583407.46	TBM	22
79			T22	386538.70	583895.26	TBM	22
80	12		T23	388378.80	584233.42	TBM	30
Total foraje (m)							2743

LEGENDĂ/LEGEND

- S02-01 Foraj Propus (inclinometrul) /Proposed Borehole (inclinometer)
- Fs3.2 Foraj Existent /Existing Borehole
- S06-01 Foraj Propus /Proposed Borehole
- CC2-05 Foraj Propus /Proposed Borehole
- D-05 Foraj Propus /Proposed Borehole
- T1 Foraj Propus /Proposed Borehole
- SR01-01 MASW + Remi cu Refracție Seismică /MASW + Remi with Seismic Refraction
- P117(A) Studiu de refracție seismică (Existent)/ Seismic Refraction (Existing)

ID FORAJ	TIP DE STRUCTURA	COORDONATE		ADANCIME (m)
		(Oblique Stereographic/ Dealul Piscului 70)		
		X (E)	Y (N)	
SDMT-01	Statie-01	583074.64	382914.97	20.00
SDMT-02	Statie-01	582992.28	382905.74	20.00
SDMT-03	Put	582804.07	383600.62	20.00
SDMT-04	Statie-02	582736.85	384287.87	20.00
SDMT-05	Statie-02	582724.14	384371.94	20.00
SDMT-06	Put	582816.65	385065.12	20.00
SDMT-07	Statie-03	583186.12	385636.55	20.00
SDMT-08	Statie-03	583342.55	385655.11	20.00
SDMT-09	Put	583692.56	385871.63	20.00
SDMT-10	Put	583754.43	386079.05	20.00
SDMT-11	Statie-04	583954.89	386753.46	20.00
SDMT-12	Statie-04	583977.23	386833.59	20.00
SDMT-13	Put	584107.24	387175.11	20.00
SDMT-14	Statie-05	584136.47	387718.84	20.00
SDMT-15	Put	584265.57	388110.04	20.00
SDMT-16	Put	584415.17	388743.23	20.00
SDMT-17	Statie-06	584583.16	389049.09	20.00
SDMT-18	Statie-06	584635.07	389139.75	20.00
SDMT-19	Put	584823.30	389546.03	20.00
SDMT-20	Put	584872.95	389581.44	20.00
SDMT-21	Statie-07	584965.68	389840.97	20.00
SDMT-22	Statie-07	585037.37	389846.20	20.00
SDMT-23	Put	585431.85	389971.40	20.00
SDMT-24	Statie-08	585522.87	390208.45	20.00
SDMT-25	Statie-08	585538.00	390397.75	20.00
SDMT-26	Statie-09	585752.47	391005.84	20.00
SDMT-27	Statie-09	585755.91	391063.85	20.00
SDMT-28	Statie-10	586151.65	391602.26	20.00
SDMT-29	Statie-10	586156.69	391669.85	20.00
SDMT-30	Put	586361.65	391989.79	20.00
SDMT-31	Statie-11	586592.00	392347.87	20.00
SDMT-32	Statie-11	586634.11	392416.11	20.00
SDMT-33	Statie-12	586821.24	392891.06	20.00
SDMT-34	Statie-12	586842.91	392951.68	20.00
SDMT-35	Statie-13	587203.05	393560.14	20.00
SDMT-36	Statie-13	587187.41	393652.96	20.00
SDMT-37	TBM	587306.13	393846.98	20.00
SDMT-38	Statie-14	587300.44	394073.36	20.00
SDMT-39	Statie-14	587436.11	394348.47	20.00
SDMT-40	Cut&Cover	587468.63	394581.40	20.00
SDMT-41	Cut&Cover	587550.02	394624.90	20.00
SDMT-42	Cut&Cover	587475.59	394691.88	20.00
SDMT-43	Cut&Cover	587596.15	394883.28	20.00
SDMT-44	Statie-15	587701.01	395303.92	20.00
SDMT-45	Statie-15	587744.22	395336.87	20.00
SDMT-46	Statie-16	587899.16	395942.84	20.00
SDMT-47	Statie-16	587973.96	396072.92	20.00
SDMT-48	Put	588706.15	396139.97	20.00
SDMT-49	Put	588803.56	396106.12	20.00
SDMT-50	Statie-17	589247.27	396150.90	20.00
SDMT-51	Statie-17	589411.55	396123.81	20.00
SDMT-52	Put	587304.9		