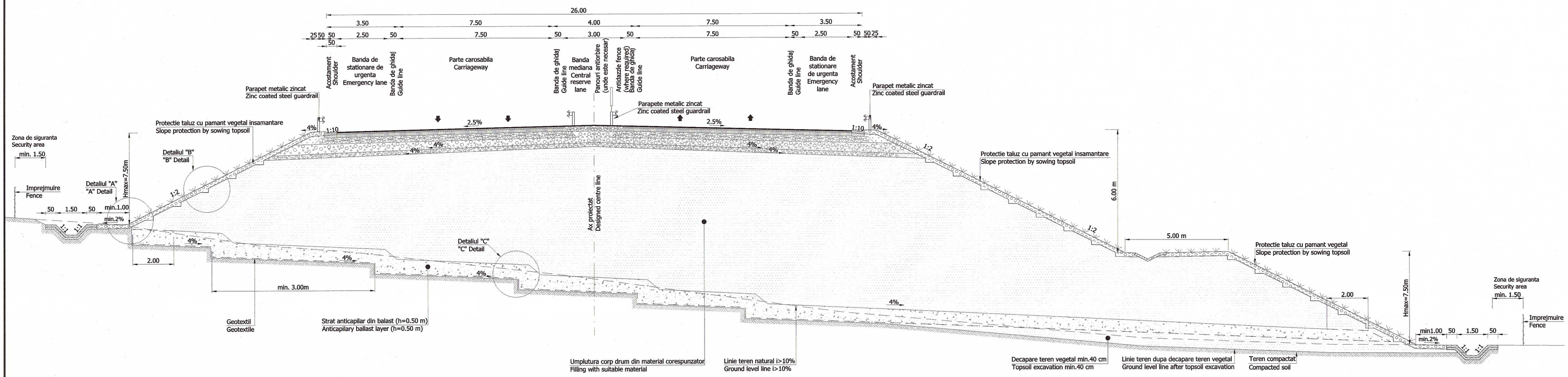
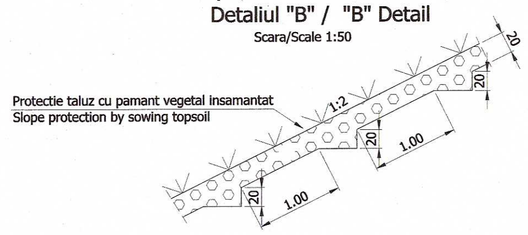
LUCRARI DE CONSOLIDARE

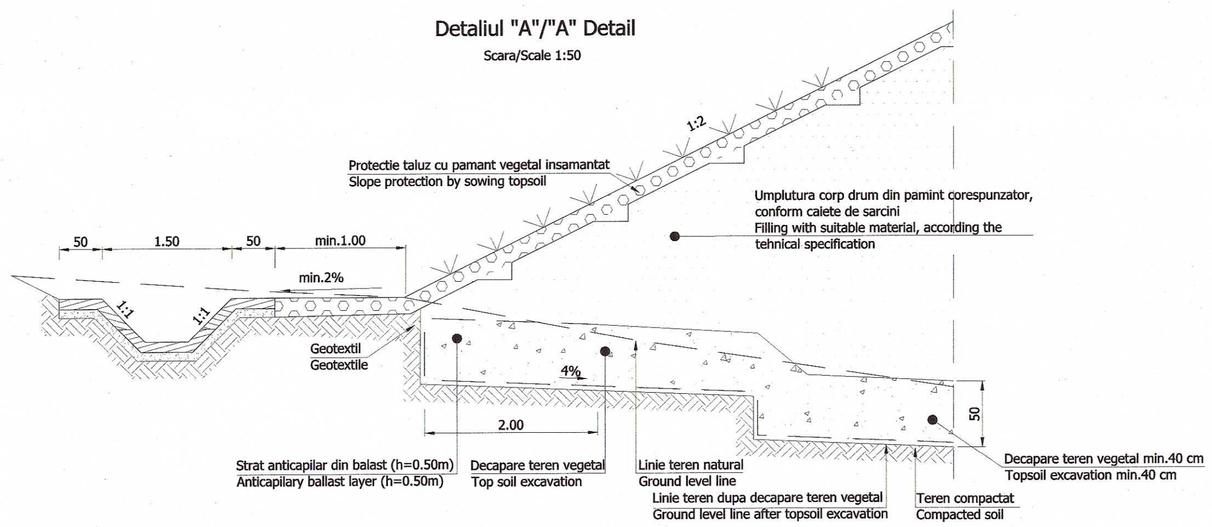
STRAT ANTICAPILAR DIN BALAST
ANTICAPILLARY BALLAST LAYER
Scara/Scale: 1:100



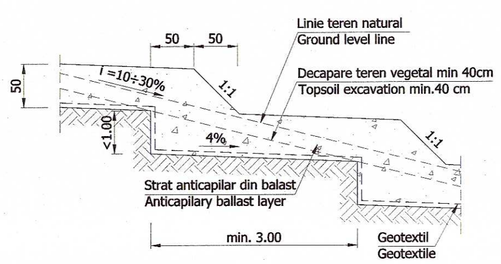
Trepte de infratire/ Joint step
Detaliul "B" / "B" Detail
Scara/Scale 1:50



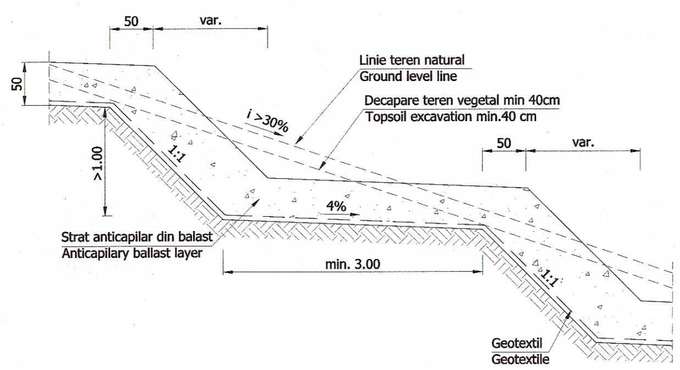
Detaliul "A"/"A" Detail
Scara/Scale 1:50



DETALIU "C" - TREPTE DE INFRATIRE
JOINING STEPS DETAIL "C"
Scara/Scale 1:50
Htr<1.00 m



DETALIU "C" - TREPTE DE INFRATIRE
JOINING STEPS DETAIL "C"
Scara/Scale 1:50
Htr>1.00 m



TABEL DE APLICABILITATI/ TABLE OF APPLICABILITIES
Strat anticapilar din balast
Anticapillary ballast layer

Nr. Crt. No.	Pozitie km./Designed chainage Inceput/Start (km)	Sfarsit/End (km)	Pozitia Position left/right	Lungime aplicata Applied length (m)
1	8+810	8+847	-	37
2	10+130	10+189	-	59
3	10+191	10+230	-	35
4	10+550	10+597	-	47
5	10+599	10+749	-	150
6	10+755	10+770	-	15
7	11+330	11+439	-	109
8	11+682	11+730	-	48
9	11+990	12+041	-	51
10	12+244	12+290	-	46
11	12+810	12+855	-	45
12	13+730	13+870	-	140
13	13+890	14+029	-	139
14	14+191	14+250	-	59
15	14+410	14+447	-	37
16	14+770	15+000	-	230
17	15+001	15+030	-	29
18	15+470	15+499	-	29
19	15+501	15+530	-	29
20	16+030	16+070	-	40
21	16+335	16+385	-	50
22	17+122	17+170	-	48
23	17+410	17+501	-	91
24	17+675	17+899	-	224
25	18+170	18+189	-	19
26	18+252	18+290	-	38
27	18+410	18+469	-	59
28	18+525	18+803	-	278
29	18+886	19+050	-	164
30	19+690	19+808	-	118
31	20+380	20+490	-	110
32	21+150	21+212	-	62
33	21+412	21+450	-	38
34	22+450	22+534	-	84
35	22+676	22+730	-	54
36	23+590	23+739	-	149
37	23+870	24+050	-	180
38	24+813	24+925	-	112
39	24+927	25+090	-	163
40	25+350	25+450	-	100
Total general / Grand total				3519

NOTE / NOTES

BENEFICIAR / CLIENT
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NATIONAL COMPANY OF MOTORWAYS AND NATIONAL ROADS IN ROMANIA

PROIECTANT / DESIGNER
SEARCH CORPORATION

AUTOSTRADA TRANSILVANIA
TRANSILVANIA MOTORWAY
SECTOR / SECTION 3A
CLUJ VEST (GILAU)- MIHAIESTI
FAZA: REVIZUIRE STUDIU DE FEZABILITATE
PROIECT ILUSTRATIV

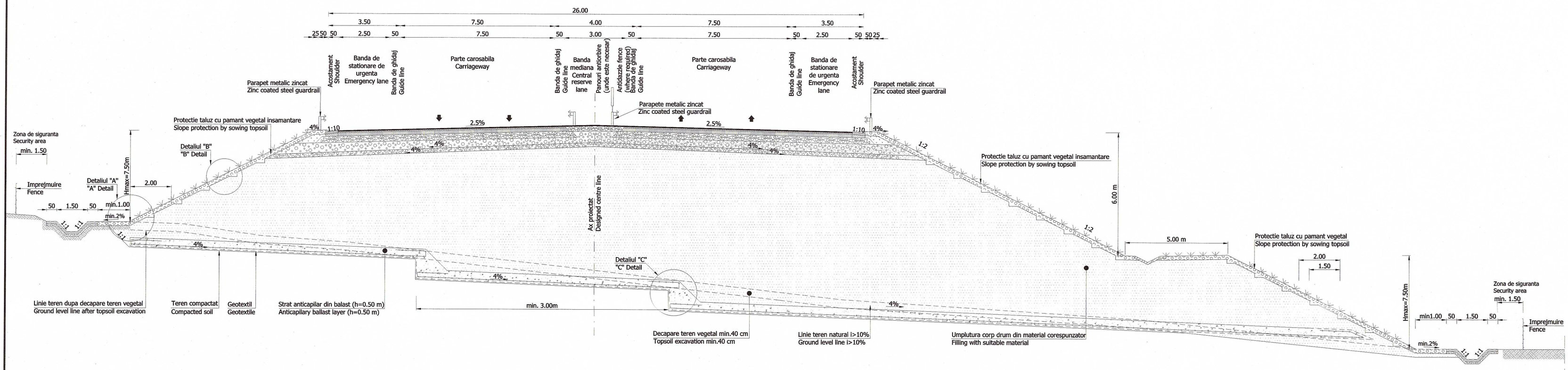
TRONSON/SUBSECTION 3 A 2
KM 8+700 - 25+500

SPECIALITATE - LUCRARI DE CONSOLIDARE
DISCIPLINE - CONSOLIDATION WORKS

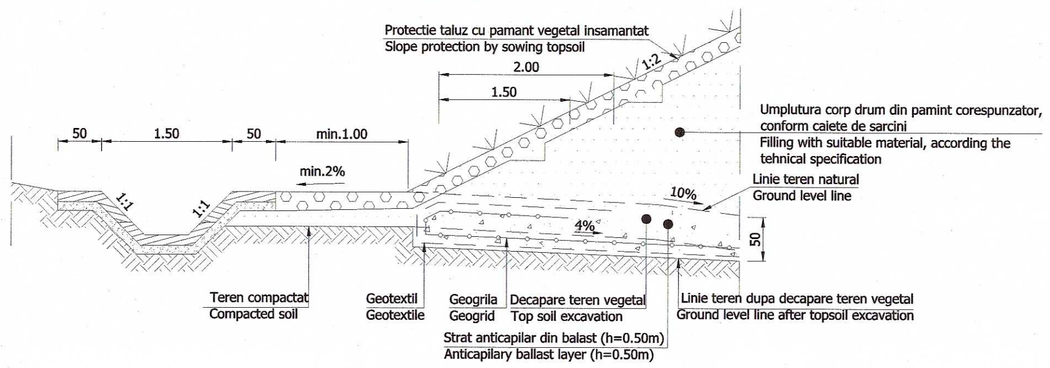
STRAT ANTICAPILAR DIN BALAST
ANTICAPILLARY BALLAST LAYER

DIRECTOR PROIECT PROJECT MANAGER	F. Raducu
SEF PROIECT CONSOLIDARI CONSOLIDATION WORKS PROJECT	O. Stoicescu
PROIECTAT DESIGNER	M. Otea
DESENAT DRAWNIER	M. Otea
VERIFICAT INTERN INTERNAL CHECKER	A. Filip
Contract Nr. Contract No.	Revizia Nr.: Rev. No.:
Data: Ianuarie 2012 Date:	Scara: 1:100; 1:50 Scale:
Cod desen : Drawing number:	3A2-ASF-CSD-DET-001

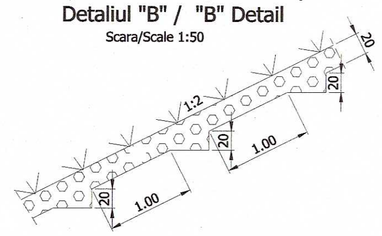
RANFORSARE RAMBLEE INALTE CU UN RAND DE GEOGRILE
REINFORCEMENT OF HIGH EMBANKMENTS WITH ONE LEVEL OF GEOGRIDS
Scara/Scale: 1:100



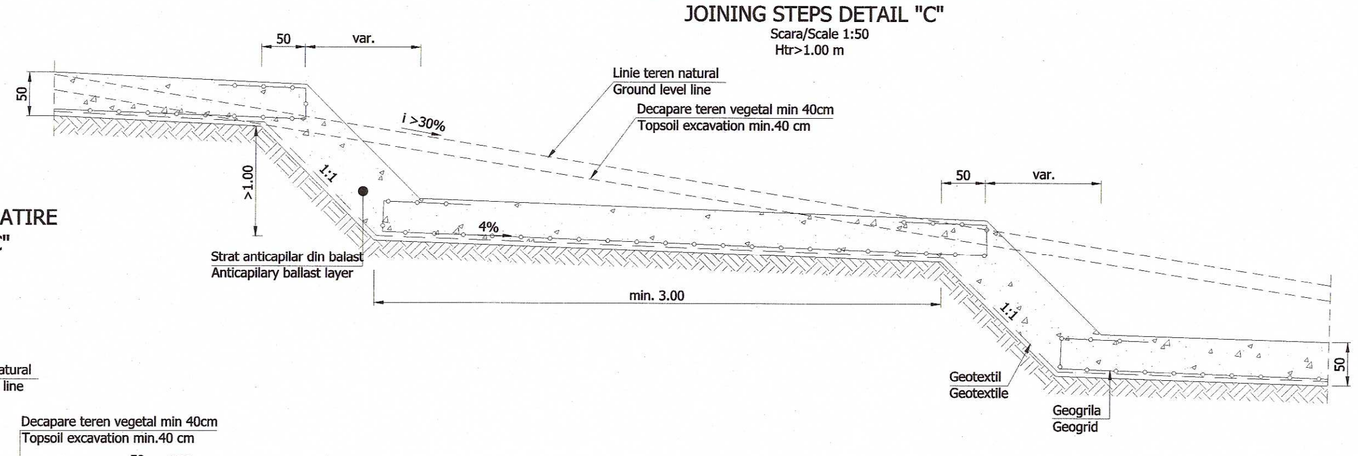
Detaliul "A"/"A" Detail
Scara/Scale 1:50



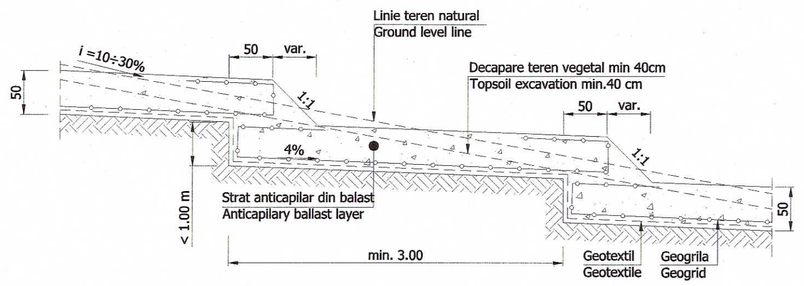
Trepte de infratire/ Joint step
Detaliul "B" / "B" Detail
Scara/Scale 1:50



DETALIU "C" - TREPTE DE INFRATIRE
JOINING STEPS DETAIL "C"
Scara/Scale 1:50
Htr>1.00 m



DETALIU "C" - TREPTE DE INFRATIRE
JOINING STEPS DETAIL "C"
Scara/Scale 1:50
Htr<1.00 m



TABEL DE APLICABILITATI/ TABLE OF APPLICABILITIES

Ranforsare ramblee inalte cu geogrile tip 1
Geogrid reinforcement of hight embankments type 1

Nr. Crt. No.	Pozitie km./Designed chainage Inceput/Start (km)	Sfarsit/End (km)	Tip 1 Type 1	Lungime aplicata Applied length (m)
1	10+730	10+749	tip 1/ type 1	19
2	10+755	10+770	tip 1/ type 1	15
3	11+990	12+041	tip 1/ type 1	51
4	13+730	13+870	tip 1/ type 1	140
5	13+890	14+029	tip 1/ type 1	139
6	14+191	14+250	tip 1/ type 1	59
7	14+410	14+447	tip 1/ type 1	37
8	14+770	14+810	tip 1/ type 1	40
9	16+335	16+385	tip 1/ type 1	50
10	17+450	17+501	tip 1/ type 1	51
11	18+170	18+189	tip 1/ type 1	19
12	18+252	18+290	tip 1/ type 1	38
13	21+150	21+212	tip 1/ type 1	62
14	22+450	22+534	tip 1/ type 1	84
15	22+676	22+710	tip 1/ type 1	34
Total general / Grand total				838

Ranforsare ramblee inalte cu geogrile tip 2
Geogrid reinforcement of hight embankments type2

Nr. Crt. No.	Pozitie km./Designed chainage Inceput/Start (km)	Sfarsit/End (km)	Tip 2 Type 2	Lungime aplicata Applied length (m)
1	11+682	11+730	tip 2/ type 2	48
2	12+244	12+290	tip 2/ type 2	46
3	16+335	16+385	tip 2/ type 2	50
4	17+675	17+899	tip 2/ type 2	224
5	18+525	18+803	tip 2/ type 2	278
6	20+380	20+490	tip 2/ type 2	110
7	23+590	23+739	tip 2/ type 2	149
Total general / Grand total				905

NOTE / NOTES

BENEFICIAR / CLIENT
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PROIECTANT / DESIGNER
SEARCH CORPORATION

AUTOSTRADA TRANSILVANIA
TRANSILVANIA MOTORWAY
SECTOR / SECTION 3A
CLUJ VEST (GILAU)- MIHAIESTI
FAZA: REVIZUIRE STUDIU DE FEZABILITATE
PROIECT ILUSTRATIV

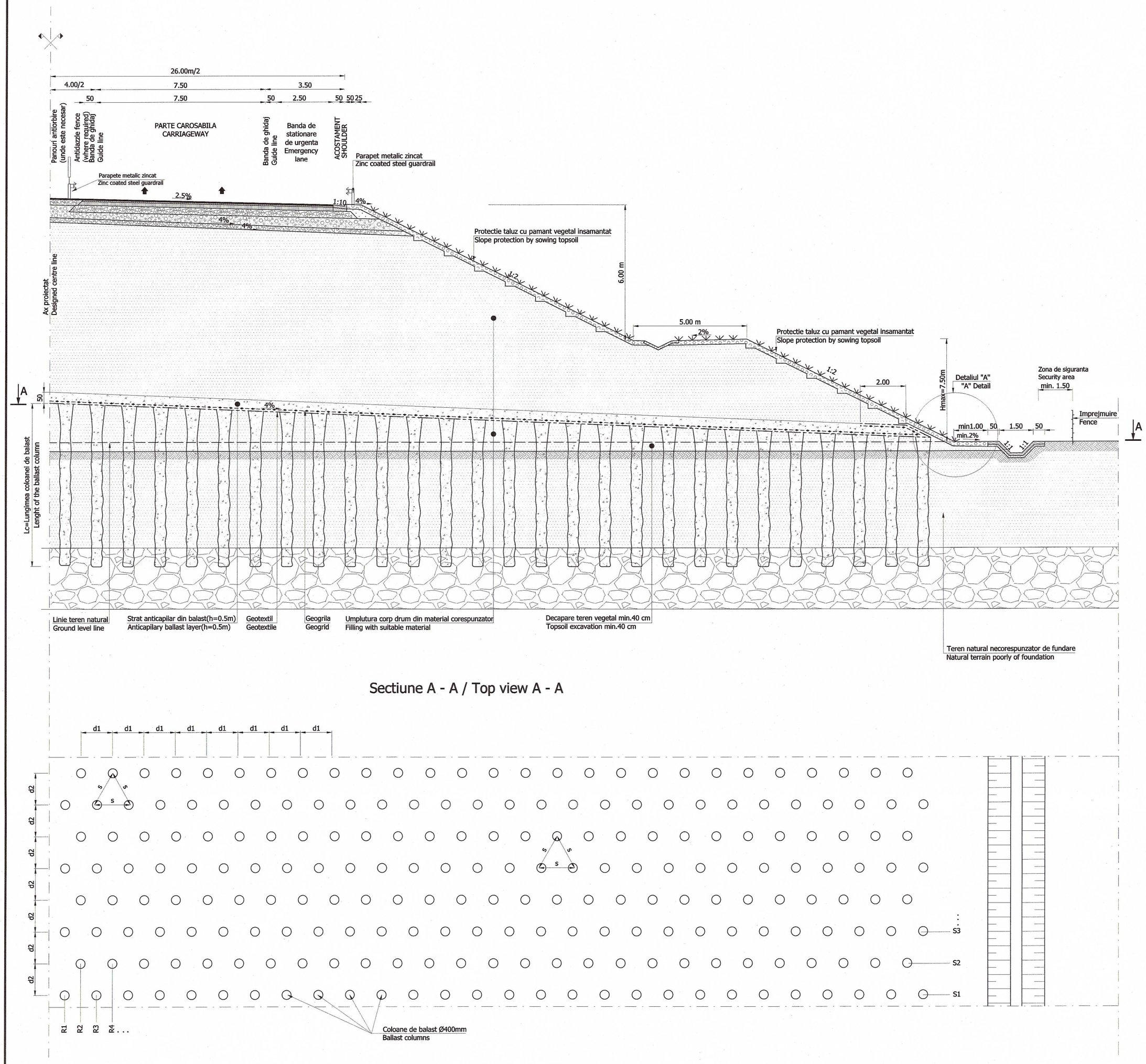
TRONSON/SUBSECTION 3 A 2
KM 8+700 - 25+500

SPECIALITATE - LUCRARI DE CONSOLIDARE
DISCIPLINE - CONSOLIDATION WORKS

RANFORSARE RAMBLEE INALTE CU UN RAND DE GEOGRILE
REINFORCEMENT OF HIGH EMBANKMENTS WITH ONE LEVEL OF GEOGRIDS

DIRECTOR PROIECT PROJECT MANAGER	F. Raducu
SEF PROIECT CONSOLIDARE CONSOLIDATION WORKS PROJECT	O. Stolcescu
PROIECTAT DESIGNER	M. Otea
DESENAT DRAWNER	M. Otea
VERIFICAT INTERN INTERNAL CHECKER	A. Filip
Contract Nr. Contract No.	Revizia Nr.: Rev. No.:
Data: Date: Ianuarie 2012	Scara: Scale: 1:100; 1:50
Cod desen : Drawing number:	3A2-ASF-CSD-DET-002

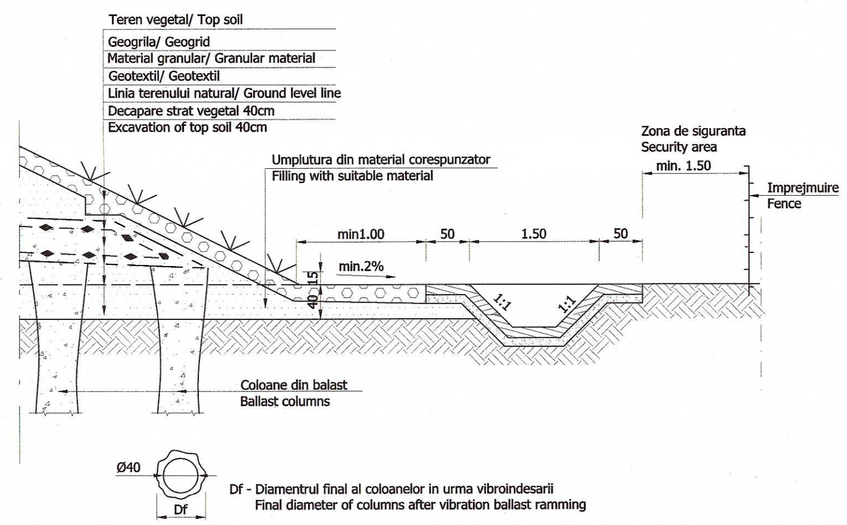
IMBUNATATIREA TERENULUI DE FUNDARE CU COLOANE Ø400mm DIN MATERIAL GRANULAR
GROUND IMPROVEMENT COLUMNS Ø400mm OF GRANULAR MATERIAL
Scara / Scale 1:100



Sectiune A - A / Top view A - A

Detaliul "A" / "A" Detail

Scara/Scale 1:50



IMBUNATATIREA TERENULUI DE FUNDARE CU COLOANE DIN MATERIAL GRANULAR
GROUND IMPROVEMENT COLUMNS Ø400mm OF GRANULAR MATERIAL

Nr. Crt. No.	Pozitie km./Designed chainage Inceput/Start (km)	Sfarsit/End (km)	Lc (m)	Nr. coloane No. columns (buc/pcs)	Lungime aplicata Applied length (m)
1	11+350	11+439	10.5	695	89
2	11+682	11+710	12.0	130	28
3	11+990	12+041	12.0	350	51
4	12+244	12+290	12.0	245	46
5	14+410	14+447	6.5	230	37
6	14+770	14+790	13.5	140	20
7	18+525	18+803	6.5	16535	278
8	19+710	19+808	13.5	1420	98
9	20+380	20+470	7.5	3635	90
10	21+150	21+212	9.0	2040	62
11	21+412	21+450	9.0	980	38
12	22+450	22+534	13.5	3890	84
13	22+676	22+730	13.5	2390	54
14	23+590	23+739	8.0	5630	149
15	23+870	24+050	7.0	7165	180
Total general / Grand total				45475	1304

NOTE / NOTES

BENEFICIAR / CLIENT
COMPANIA NATIONALA DE AUTOSTRAZI SI DRUMURI NATIONALE DIN ROMANIA
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SEARCH CORPORATION

AUTOSTRADA TRANSILVANIA
TRANSILVANIA MOTORWAY
SECTOR / SECTION 3A
CLUJ VEST (GILAU)- MIHAIESTI
FAZA: REVIZUIRE STUDIU DE FEZABILITATE
PROJECT ILUSTRATIV

TRONSON/SUBSECTION 3 A 2
KM 8+700 - 25+500

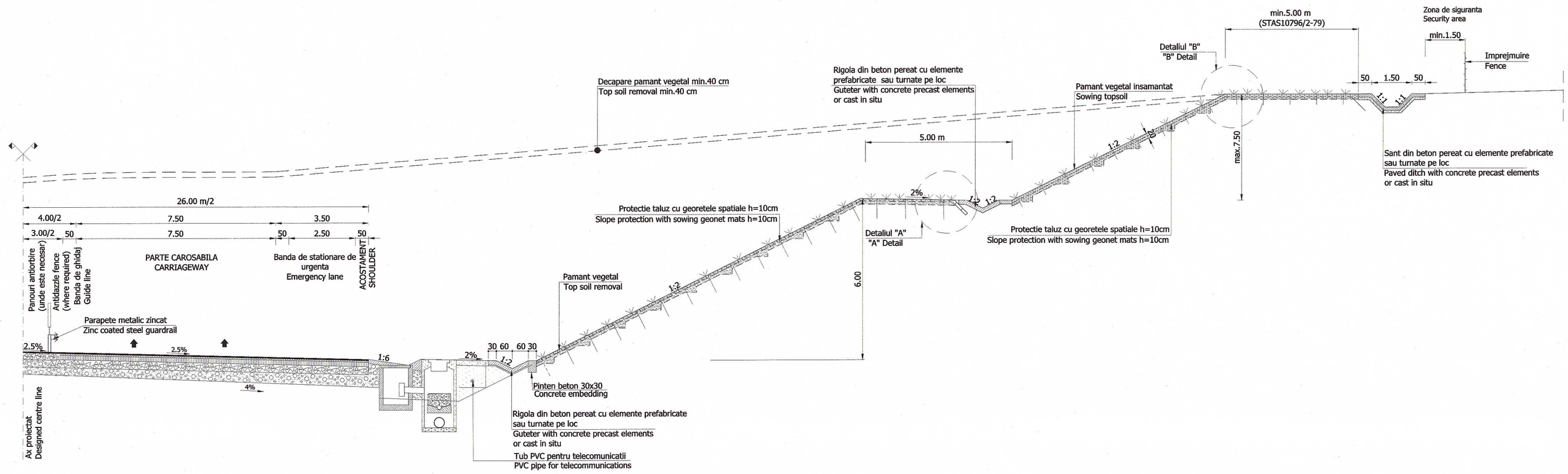
SPECIALITATE - LUCRARI DE CONSOLIDARE
DISCIPLINE - CONSOLIDATION WORKS

IMBUNATATIREA TERENULUI DE FUNDARE CU COLOANE Ø400mm DIN MATERIAL GRANULAR. PLANSA TIP
GROUND IMPROVEMENT COLUMNS Ø400mm OF GRANULAR MATERIAL. TYPICAL DETAILS

DIRECTOR PROIECT PROJECT MANAGER	F. Raducu
SEF PROIECT CONSOLIDARE CONSOLIDATION WORKS PROJECT	O. Stoicescu
PROIECTAT DESIGNER	M. Otea
DESENAT DRAWNER	M. Otea
VERIFICAT INTERN INTERNAL CHECKER	A. Firu
Contract Nr. Contract No.	Revizia Nr.: Rev. No.:
Data: Date: Ianuarie 2012	Scara: Scale: 1:100; 1:50
Cod desen : Drawing number:	3A2-ASF-CSD-DET-003

PROTECTIE TALUZ CU GEORETELE SPATIALE h=10cm
SLOPE PROTECTION FOR CUTTINGS GEONET MATS h=10cm

Scara / Scale 1:100

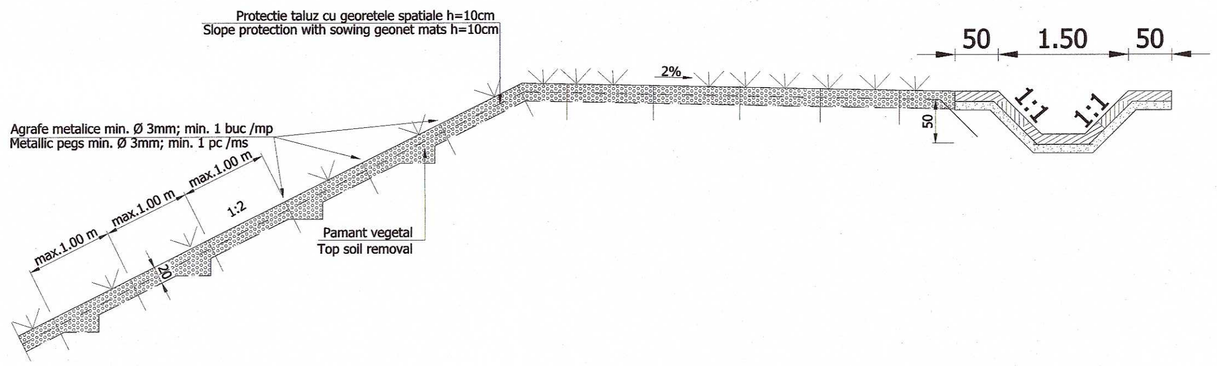


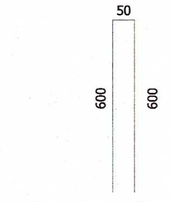
SECTIUNE / SECTION A - A

Scara / Scale 1:100

Detaliul "B" / "B" Detail
ANCORARE GEORETELE
GEONET MATS ANCHOR

sc. 1:50





Agrafe metalice min. Ø 8mm; min. 1 buc /mp
Metallic pegs min. Ø 8mm; min. 1 pc /ms

TABEL DE APLICABILITATI/ TABLE OF APPLICABILITIES

PROTECTIE TALUZ CU GEORETELE
SLOPE PROTECTION FOR CUTTINGS WITH GEONET MATS

Nr. Crt. No.	Pozitie km./Designed chainage Inceput/Start (km)	Sfarsit/End (km)	Pozitia Position left/right	Lungime aplicata Applied length (m)
1	9+750	10+040	st.	290
2	10+040	10+090	st.	50
3	10+850	11+190	dr.	340
4	10+990	11+070	dr.	80
5	12+350	12+770	st.	420
6	12+590	12+690	dr.	100
7	13+470	13+590	st.	120
8	13+470	13+590	dr.	120
9	14+230	14+350	dr.	120
10	15+070	15+370	st.	300
11	15+090	15+270	dr.	180
12	15+630	15+950	st.	320
13	15+790	15+950	dr.	160
14	16+790	17+050	st.	260
15	16+890	17+070	dr.	180
16	17+210	17+410	st.	200
17	20+550	21+110	dr.	560
18	20+590	20+970	st.	380
19	21+670	22+350	st.	680
20	21+710	22+210	dr.	500
21	22+850	23+410	st.	560
22	22+850	23+370	dr.	520
Total general / Grand total				6440

NOTE / NOTES

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SEARCH CORPORATION

AUTOSTRADA TRANSILVANIA
TRANSILVANIA MOTORWAY
SECTOR / SECTION 3A
CLUJ VEST (GILAU)- MIHAIESTI
FAZA: REVIZUIRE STUDIU DE FEZABILITATE
PROIECT ILUSTRATIV

TRONSON/SUBSECTION 3 A.2
KM 8+700 - 25+500

SPECIALITATE - LUCRARI DE CONSOLIDARE
DISCIPLINE - CONSOLIDATION WORKS

PROTECTIE TALUZ CU GEORETELE SPATIALE h=10cm
SLOPE PROTECTION FOR CUTTINGS GEONET MATS h=10cm

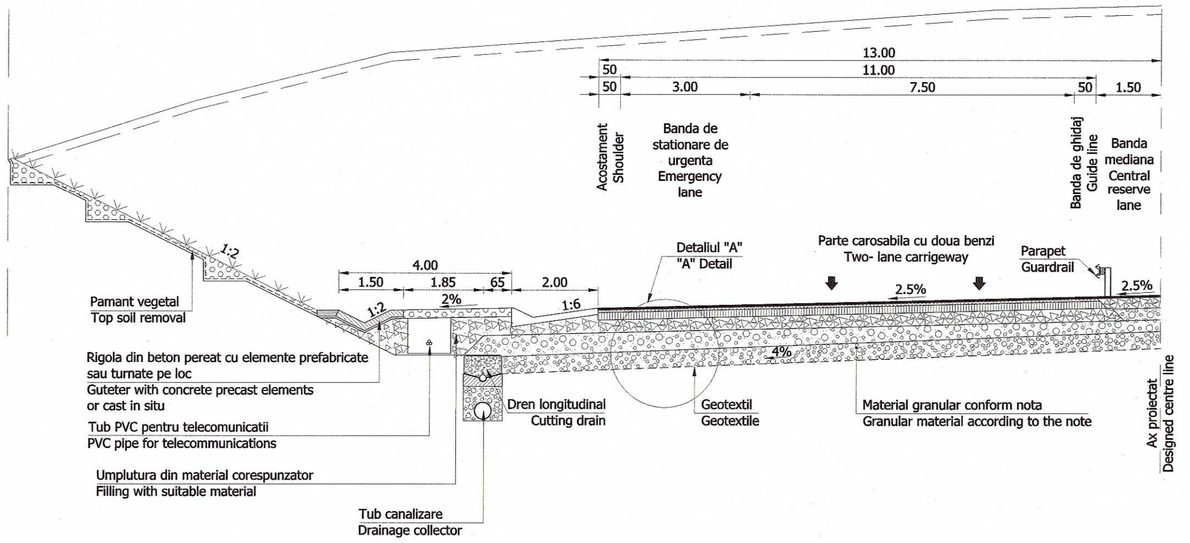
DIRECTOR PROIECT PROJECT MANAGER	F. Raducu
SEF PROIECT CONSOLIDARI CONSOLIDATION WORKS PROJECT	O. Stoicescu
PROIECTAT DESIGNER	M. Otea
DESENAT DRAWNER	M. Otea
VERIFICAT INTERN INTERNAL CHECKER	A. Filip
Contract Nr. Contract No.	Revizia Nr.: Rev. No.:
Data: Date: Ianuarie 2012	Scara: Scale: 1:100 ; 1:50.
Cod desen : Drawing number:	3A2-ASF-CSD-DET-004

IMBUNATATIREA FUNDATIEI PATULUI DRUMULUI PENTRU DEBLEE
CAPPING LAYER IMPROVEMENT FOR CUTTING

Scara/Scale: 1:100

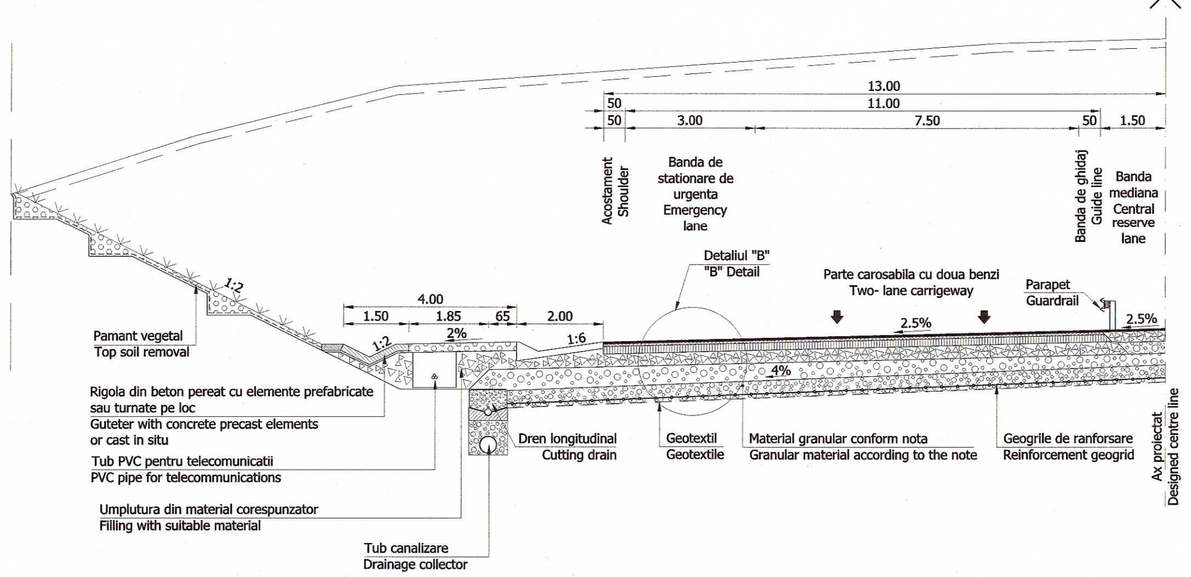
Solutia 1 - 40cm de material graular protejat cu geotextil, se aplica pentru debleuri la care rezultatul testului cu parghia Benkelman la nivel de pat drum este intre 3.5÷5mm

The solution 1- 40cm granular material ptotection with geotextile, will be applied for cutting where the test Benkelman value on the subgrade level is between 3.5÷5mm.



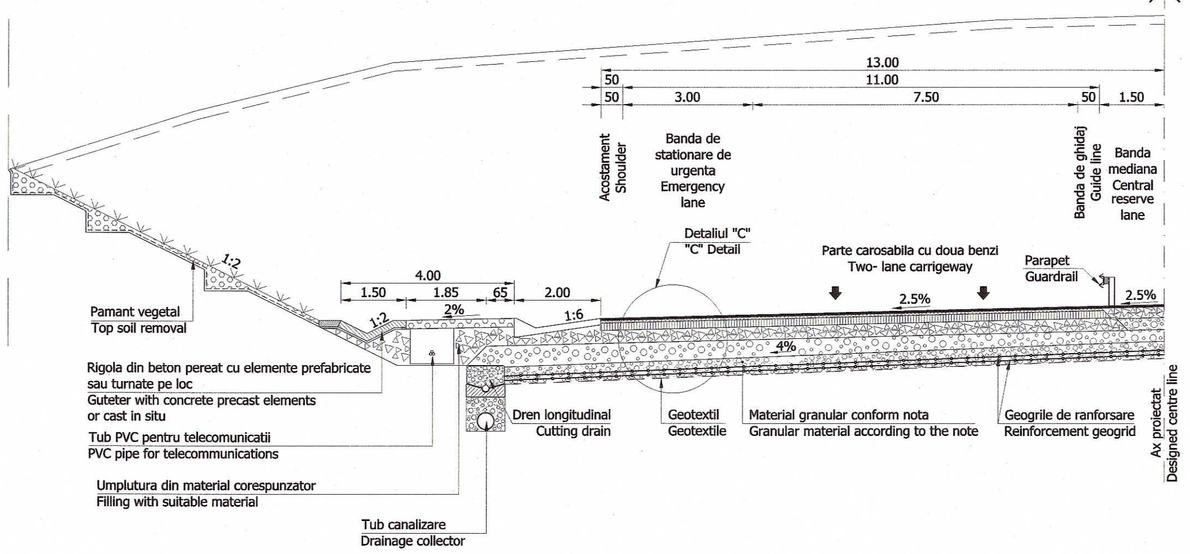
Solutia 2 -40cm de material graular protejat cu geotexti si ranforsat cu o geogrila, se aplica pentru debleuri la care rezultatul testului cu parghia Benkelman la nivel de pat drum este intre 5÷10mm

The solution 2-40cm granular material protection with geotextile and reinforcement with one geogrid, will be applied for cutting where the test Benkelman value on the subgrade level is between 5÷10mm.

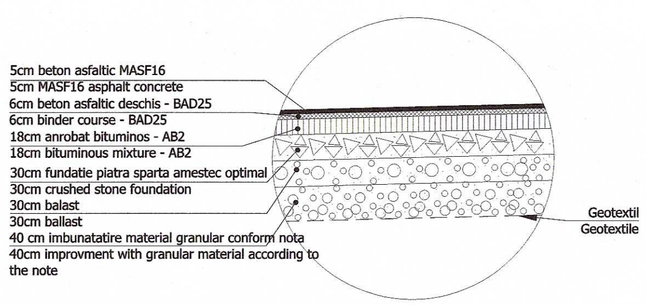


Solutia 3 -50cm de material graular protejat cu geotextil si ranforsat cu doua geogrile, se aplica pentru debleuri la care rezultatul testului cu parghia Benkelman la nivel de pat drum este mai mare 10mm.

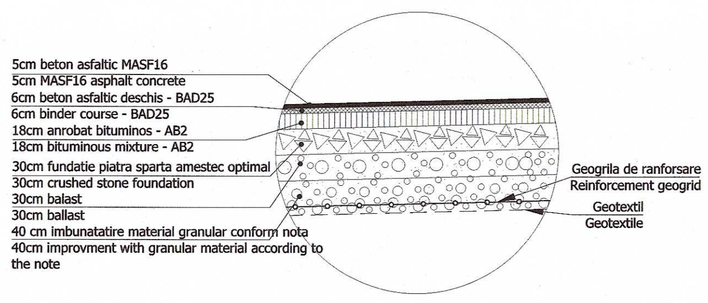
The solution 3-50cm granular material protection with geotextile and reinforcement with two geogrids, will be applied for cutting where the test Benkelman value on the subgrade level is over that 10mm.



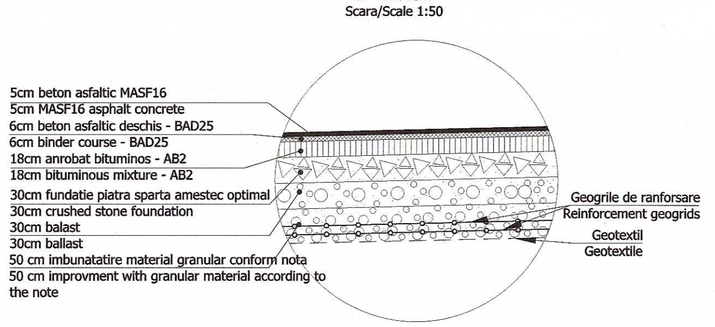
Detaliul "A"
"A" Detail
Scara/Scale 1:50



Detaliul "B"
"B" Detail
Scara/Scale 1:50



Detaliul "C"
"C" Detail
Scara/Scale 1:50



TABEL DE APLICABILITATI/ TABLE OF APPLICABILITIES

IMBUNATATIREA FUNDATIEI PATULUI DRUMULUI PENTRU DEBLEE
CAPPING LAYER IMPROVEMENT FOR CUTTING

Nr. Crt. No.	Pozitie km./Designed chainage Inceput/Start (km)	Sfarsit/End (km)	Pozitia Position left/right	Tip Type	Lungime aplicata Applied length (m)
1	10+910	11+174	st./dr.	tip 3/ type 3	264
2	11+174	11+265	st./dr.	tip 3/ type 3	91
3	12+290	12+326	st./dr.	tip 3/ type 3	36
4	12+326	12+350	st./dr.	tip 3/ type 3	24
5	13+145	13+170	st./dr.	tip 3/ type 3	25
6	13+170	13+210	st./dr.	tip 3/ type 3	40
7	14+270	14+330	st./dr.	tip 3/ type 3	60
8	14+330	14+370	st./dr.	tip 3/ type 3	40
9	14+370	14+394	st./dr.	tip 3/ type 3	24
10	15+290	15+450	st./dr.	tip 3/ type 3	160
11	15+560	15+770	st./dr.	tip 3/ type 3	210
12	15+770	16+025	st./dr.	tip 3/ type 3	255
13	18+300	18+370	st./dr.	tip 3/ type 3	70
14	20+520	20+870	st./dr.	tip 3/ type 3	350
15	20+870	21+150	st./dr.	tip 3/ type 3	280
16	21+465	21+950	st./dr.	tip 3/ type 3	485
17	21+950	22+420	st./dr.	tip 3/ type 3	470
18	22+790	23+206	st./dr.	tip 3/ type 3	416
19	23+206	23+540	st./dr.	tip 3/ type 3	334
20	24+120	24+534	st./dr.	tip 3/ type 3	414
21	24+534	24+730	st./dr.	tip 3/ type 3	196
Total general / Grand total					4244

NOTE / NOTES

BENEFICIAR / CLIENT
COMPANIA NATIONALA DE AUTOSTRAZI SI DRUMURI NATIONALE DIN ROMANIA
NATIONAL COMPANY OF MOTORWAYS AND NATIONAL ROADS IN ROMANIA

PROIECTANT / DESIGNER
SEARCH CORPORATION

AUTOSTRADA TRANSILVANIA
TRANSILVANIA MOTORWAY
SECTOR / SECTION 3A
CLUJ VEST (GILAU)- MIHAIESTI
FAZA: REVIZUIRE STUDIU DE FEZABILITATE
PROIECT ILUSTRATIV

TRONSON/SUBSECTION 3 A 2
KM 8+700 - 25+500

SPECIALITATE - LUCRARI DE CONSOLIDARE
DISCIPLINE - CONSOLIDATION WORKS

IMBUNATATIREA FUNDATIEI PATULUI DRUMULUI PENTRU DEBLEE
CAPPING LAYER IMPROVEMENT FOR CUTTING

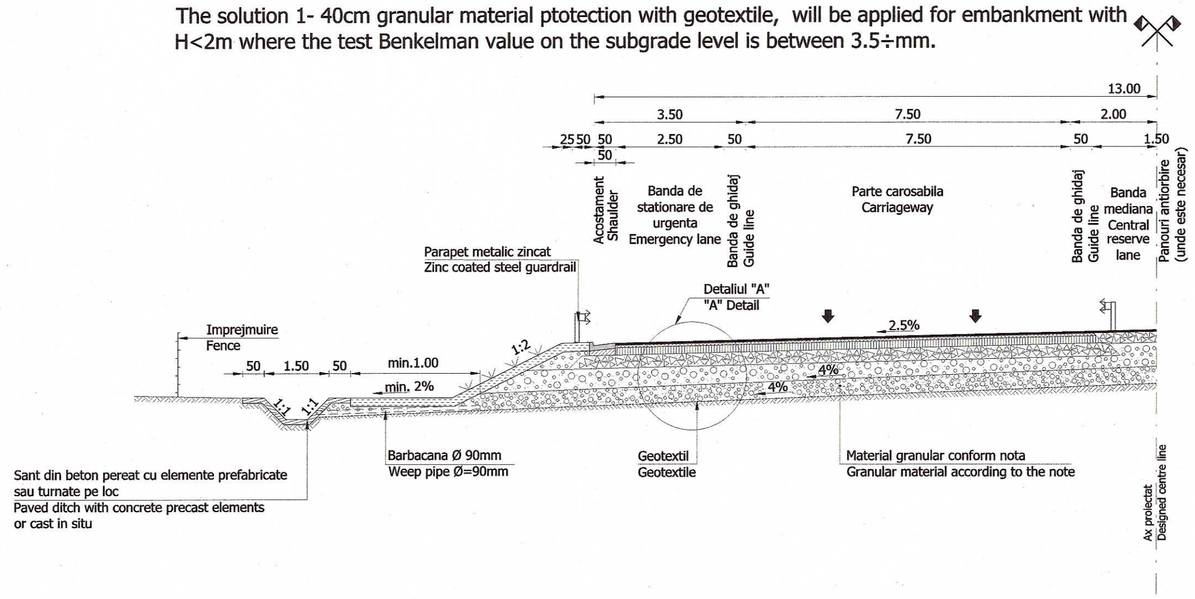
DIRECTOR PROIECT PROJECT MANAGER	F. Raducu
SEF PROIECT CONSOLIDARI CONSOLIDATION WORKS PROJECT	O. Stoicescu
PROIECTAT DESIGNER	M. Otea
DESENAT DRAWNER	M. Otea
VERIFICAT INTERN INTERNAL CHECKER	A. Filip
Contract Nr. Contract No.	Revizia Nr.: Rev. No.:
Data: Date: ianuarie 2013	Scara: 1:100; 1:50 Scale:
Cod dosen : Drawing number:	3A2-ASF-CSD-DET-005

IMBUNATATIREA FUNDATIEI PATULUI DRUMULUI PENTRU RAMBLEE CU H<2.00m
CAPPING LAYER IMPROVEMENT FOR EMBANKMENT WITH H<2.00m

Scara/Scale: 1:100

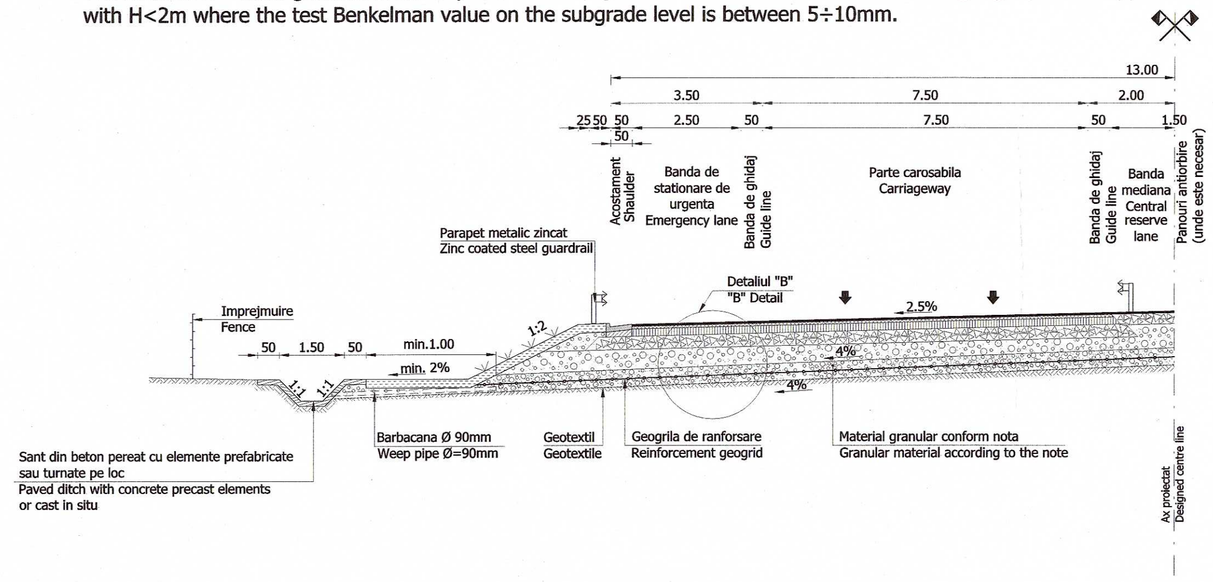
Solutia 1 - 40cm de material graular protejat cu geotextil se aplica pentru ramblee cu H<2m la care rezultatul testului cu parghia Benkelman la nivel de pat drum este intre de 3.5÷5mm

The solution 1- 40cm granular material ptotection with geotextile, will be applied for embankment with H<2m where the test Benkelman value on the subgrade level is between 3.5÷mm.



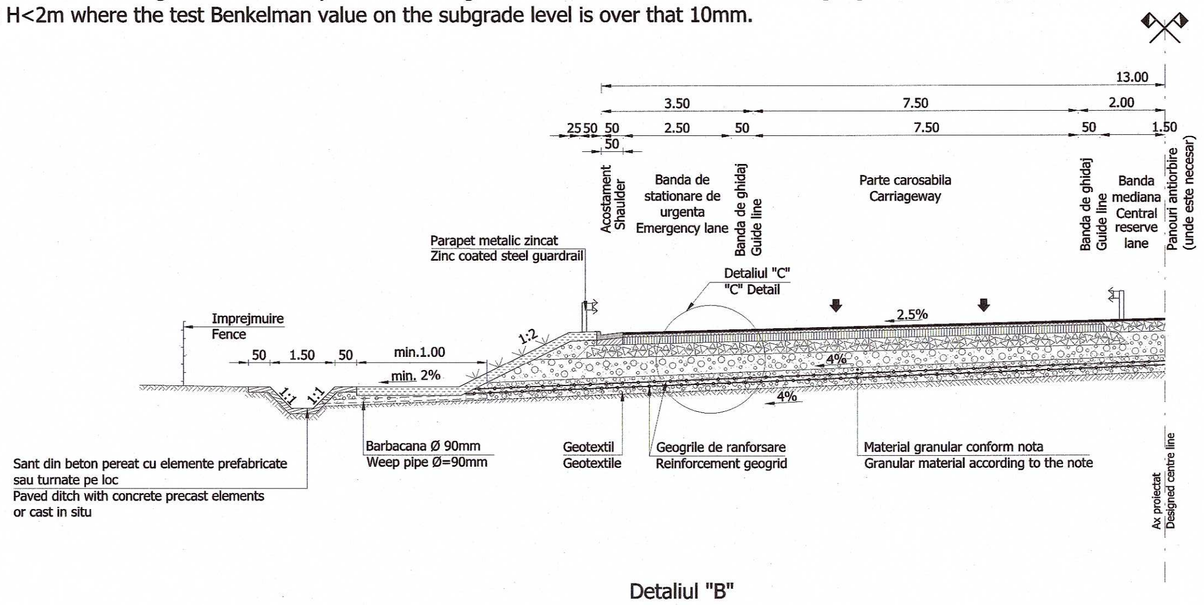
Solutia 2 -40cm de material graular protejat cu geotexti si ranforsat cu o geogrila, se aplica pentru ramblee cu H<2m la care rezultatul testului cu parghia Benkelman la nivel de pat drum este intre 5÷10mm

The solution 2- -40cm granular material protection with geotextile and reinforcement with one geogrid, will be applied for embankment with H<2m where the test Benkelman value on the subgrade level is between 5÷10mm.

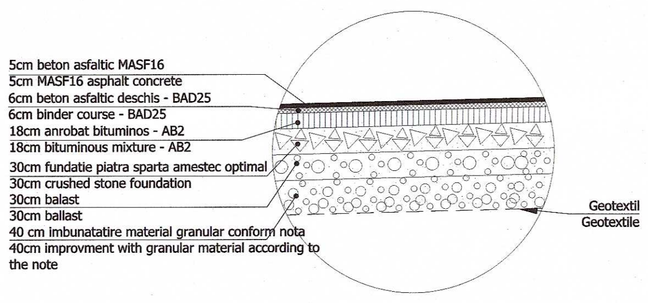


Solutia 3 - 50cm de material graular protejat cu geotextil si ranforsat cu doua geogrile, se aplica pentru ramblee cu H<2m la care rezultatul testului cu parghia Benkelman la nivel de pat drum este mai mare de 10mm

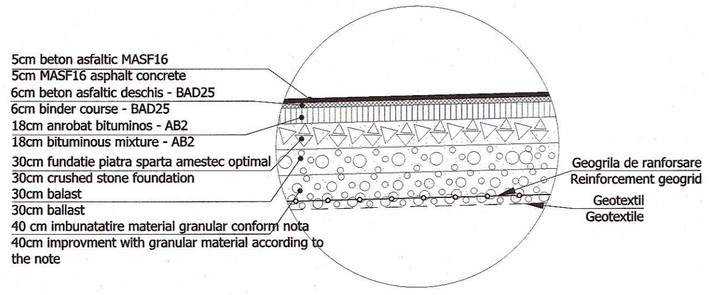
The solution 3-50cm granular material protection with geotextile and reinforcement with two geogrids, will be applied for embankment with H<2m where the test Benkelman value on the subgrade level is over that 10mm.



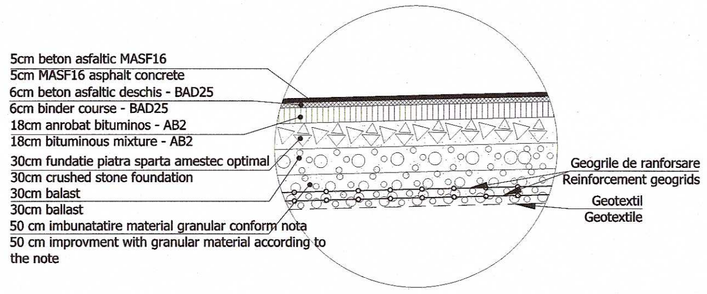
Detaliul "A"
"A" Detail
Scara/Scale 1:50



Detaliul "B"
"B" Detail
Scara/Scale 1:50



Detaliul "C"
"C" Detail
Scara/Scale 1:50



TABEL DE APLICABILITATI/ TABLE OF APPLICABILITIES
IMBUNATATIREA FUNDATIEI PATULUI DRUMULUI PENTRU RAMBLEE CU H<2.00m
CAPPING LAYER IMPROVEMENT FOR EMBANKMENT WITH H<2.00m

Nr. Crt. No.	Pozitie km./Designed chainage Inceput/Start (km)	Sfarsit/End (km)	Pozitia Position left/right	Tip Type	Lungime aplicata Applied length (m)
1	11+265	11+350	st./dr.	tip 3/ type 3	85
2	11+710	11+758	st./dr.	tip 3/ type 3	48
3	11+758	11+790	st./dr.	tip 3/ type 3	32
4	13+110	13+145	st./dr.	tip 3/ type 3	35
5	14+394	14+410	st./dr.	tip 3/ type 3	16
6	14+810	14+846	st./dr.	tip 3/ type 3	36
7	14+846	14+870	st./dr.	tip 3/ type 3	24
8	15+450	15+560	st./dr.	tip 3/ type 3	110
9	18+270	18+300	st./dr.	tip 3/ type 3	30
10	18+370	18+410	st./dr.	tip 3/ type 3	40
11	18+940	18+966	st./dr.	tip 3/ type 3	26
12	18+966	18+990	st./dr.	tip 3/ type 3	24
13	19+190	19+502	st./dr.	tip 3/ type 3	312
14	19+502	19+710	st./dr.	tip 3/ type 3	208
15	20+450	20+520	st./dr.	tip 3/ type 3	70
16	21+450	21+465	st./dr.	tip 3/ type 3	15
17	22+420	22+450	st./dr.	tip 3/ type 3	30
18	22+750	22+790	st./dr.	tip 3/ type 3	40
19	23+540	23+558	st./dr.	tip 3/ type 3	18
20	23+558	23+590	st./dr.	tip 3/ type 3	32
21	24+010	24+120	st./dr.	tip 3/ type 3	110
22	24+730	24+870	st./dr.	tip 3/ type 3	140
23	24+990	25+122	st./dr.	tip 3/ type 3	132
24	25+122	25+210	st./dr.	tip 3/ type 3	88
25	25+210	25+414	st./dr.	tip 3/ type 3	204
26	25+414	25+550	st./dr.	tip 3/ type 3	136
Total general / Grand total					2041

NOTE / NOTES

BENEFICIAR / CLIENT
COMPANIA NATIONALA DE AUTOSTRAZI SI DRUMURI NATIONALE DIN ROMANIA
NATIONAL COMPANY OF MOTORWAYS AND NATIONAL ROADS IN ROMANIA

PROIECTANT / DESIGNER
SEARCH CORPORATION

AUTOSTRADA TRANSILVANIA
TRANSILVANIA MOTORWAY
SECTOR / SECTION 3A
CLUJ VEST (GILAU)- MIHAIESTI
FAZA: REVIZUIRE STUDIU DE FEZABILITATE
PROJECT ILLISTRATIV

TRONSON/SUBSECTION 3 A 2
KM 8+700 - 25+500

SPECIALITATE - LUCRARI DE CONSOLIDARE
DISCIPLINE - CONSOLIDATION WORKS

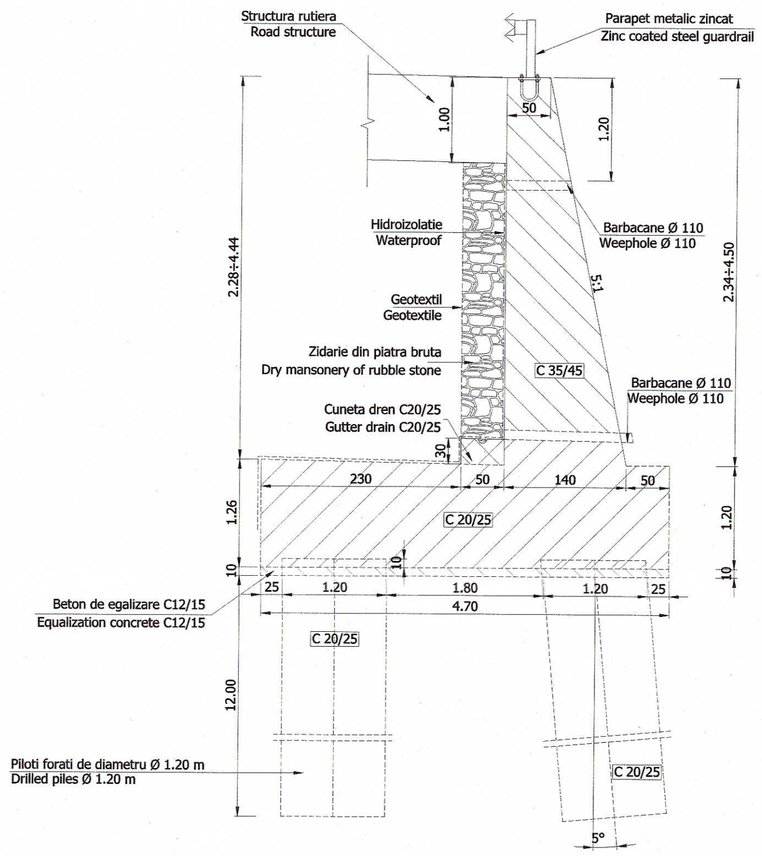
IMBUNATATIREA FUNDATIEI PATULUI PENTRU RAMBLEE CU H<2m
CAPPING LAYER IMPROVEMENT FOR EMBANKMENT WITH H<2m

DIRECTOR PROIECT PROJECT MANAGER	F. Raducu
SEF PROIECT CONSOLIDARE CONSOLIDATION WORKS PROJECT	O. Stoicescu
PROIECTAT DESIGNER	M. Otea
DESENAT DRAWNER	M. Otea
VERIFICAT INTERN INTERNAL CHECKER	A. Filip
Contract Nr. Contract No.	Revizia Nr.: Rev. No.:
Data: Date: Ianuarie 2012	Scara: Scale: 1:100; 1:50
Cod desen : Drawing number:	3A2-ASF-CSD-DET-006

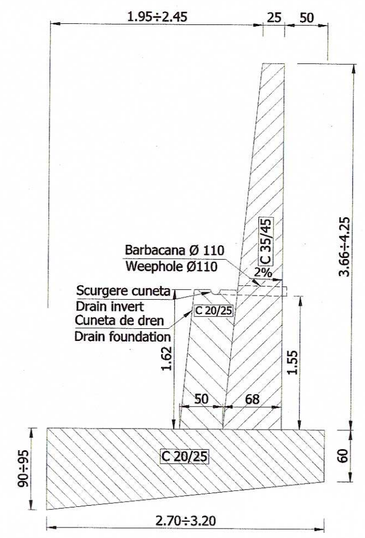
STRUCTURI DE SPRIJIN DIN BETON ARMAT
RETAINING STRUCTURES FROM REINFORCEMENT CONCRETE

Scara/Scale 1:50

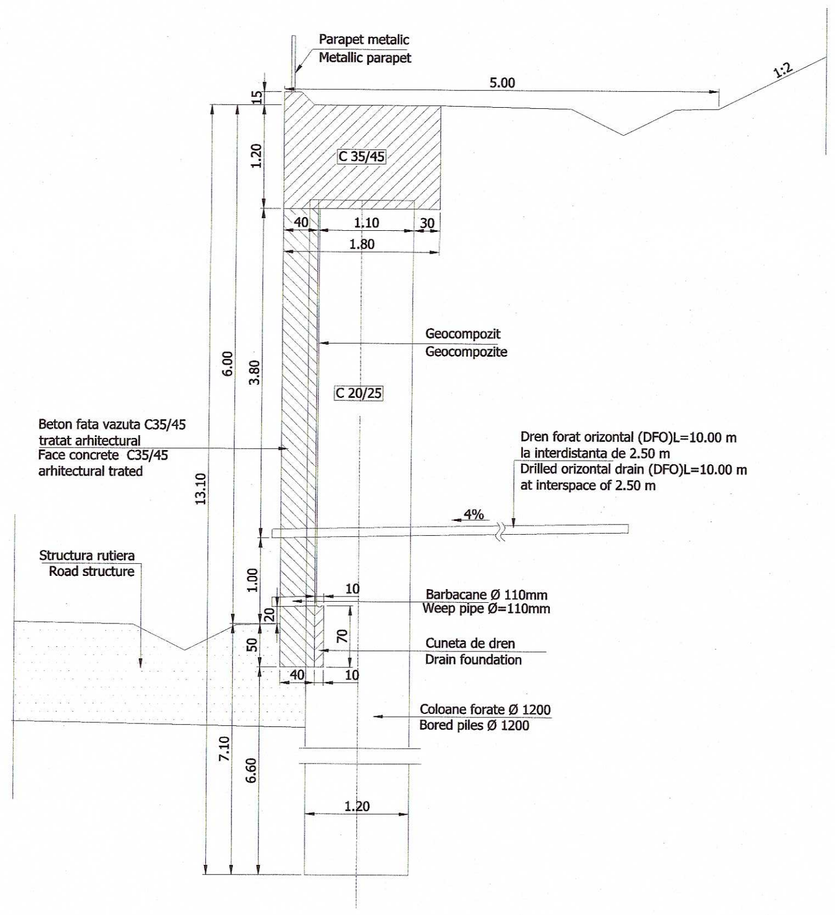
SECTIUNE TIP 1
SECTION TYPE 1



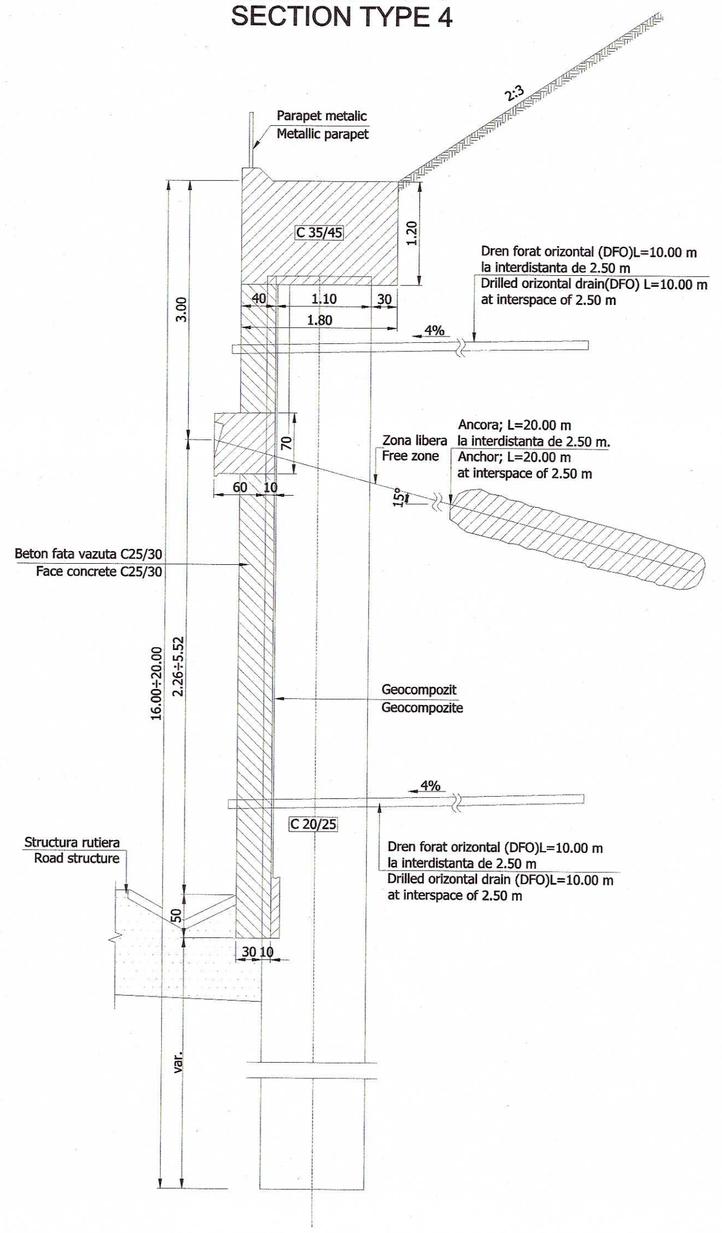
SECTIUNE TIP 2
SECTION TYPE 2



SECTIUNE TIP 3
SECTION TYPE 3



SECTIUNE TIP 4
SECTION TYPE 4



TABEL DE APLICABILITATI/ TABLE OF APPLICABILITIES
STRUCTURI DE SPRIJIN
RETAINING STRUCTURES

Nr. Crt. No.	Pozitie km./Designed chainage Inceput/Start (km)	Sfarsit/End (km)	Tip structura Structure type	Pozitia Position left/right	Lungime aplicata Applied length (m)
1	9+625	9+756	tip 3/ type 3	st.	131
2	10+817	10+846	tip 4/ type 4	dr.	47
3	15+602	15+757	tip 3/ type 3	st.	155
4	16+506	16+842	tip 1/ type 1	dr.	340
5	18+500	18+500	tip 2/ type 2	dr.	30
6	20+665	20+833	tip 3/ type 3	dr.	168
Total general / Grand total					871

NOTE / NOTES

BENEFICIAR / CLIENT
COMPANIA NATIONALA DE AUTOSTRAZI SI DRUMURI NATIONALE DIN ROMANIA
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PROIECTANT / DESIGNER
SEARCH CORPORATION

AUTOSTRADA TRANSILVANIA
TRANSILVANIA MOTORWAY
SECTOR / SECTION 3A
CLUJ VEST (GILAU)- MIHAIESTI
FAZA: REVIZUIRE STUDIU DE FEZABILITATE
PROIECT ILUSTRATIV
TRONSON/SUBSECTION 3 A 2
KM 8+700 - 25+500

SPECIALITATE - LUCRARI DE CONSOLIDARE
DISCIPLINE - CONSOLIDATION WORKS

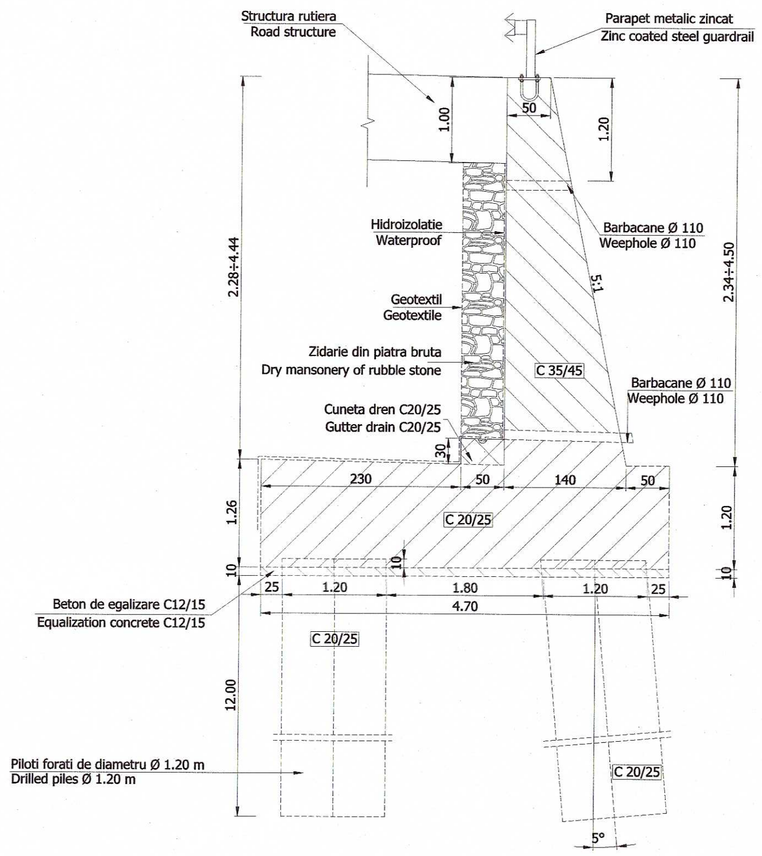
STRUCTURI DE SPRIJIN DIN BETON ARMAT
RETAINING STRUCTURES FROM REINFORCEMENT CONCRETE

DIRECTOR PROIECT PROJECT MANAGER	F. Raducu
SEF PROIECT CONSOLIDARE CONSOLIDATION WORKS PROJECT	O. Stoicescu
PROIECTAT DESIGNER	M. Otea
DESENAT DRAWNER	M. Otea
VERIFICAT INTERN INTERNAL CHECKER	A. Filip
Contract Nr. Contract No.	Revizia Nr.: Rev. No.:
Data: Date: Ianuarie 2012	Scara: Scale: 1:50
Cod desen : Drawing number:	3A2-ASF-CSD-DET-007

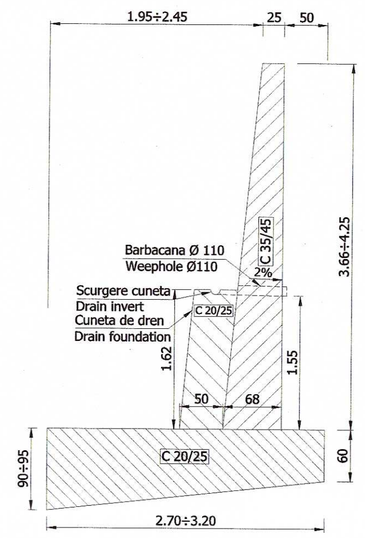
STRUCTURI DE SPRIJIN DIN BETON ARMAT
RETAINING STRUCTURES FROM REINFORCEMENT CONCRETE

Scara/Scale 1:50

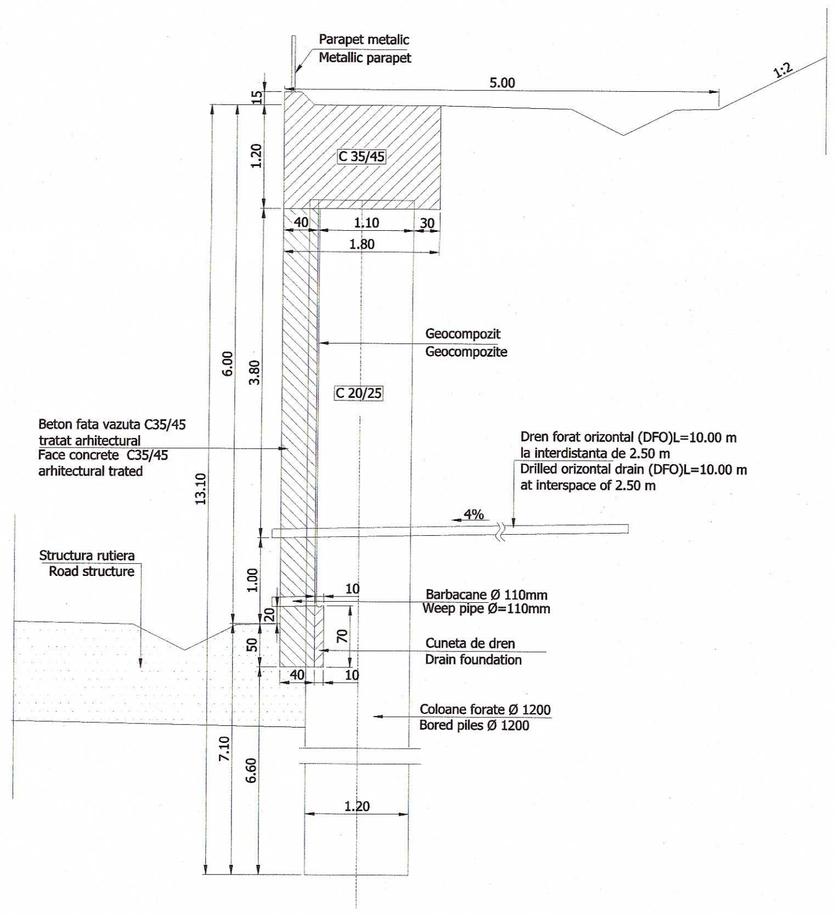
SECTIUNE TIP 1
SECTION TYPE 1



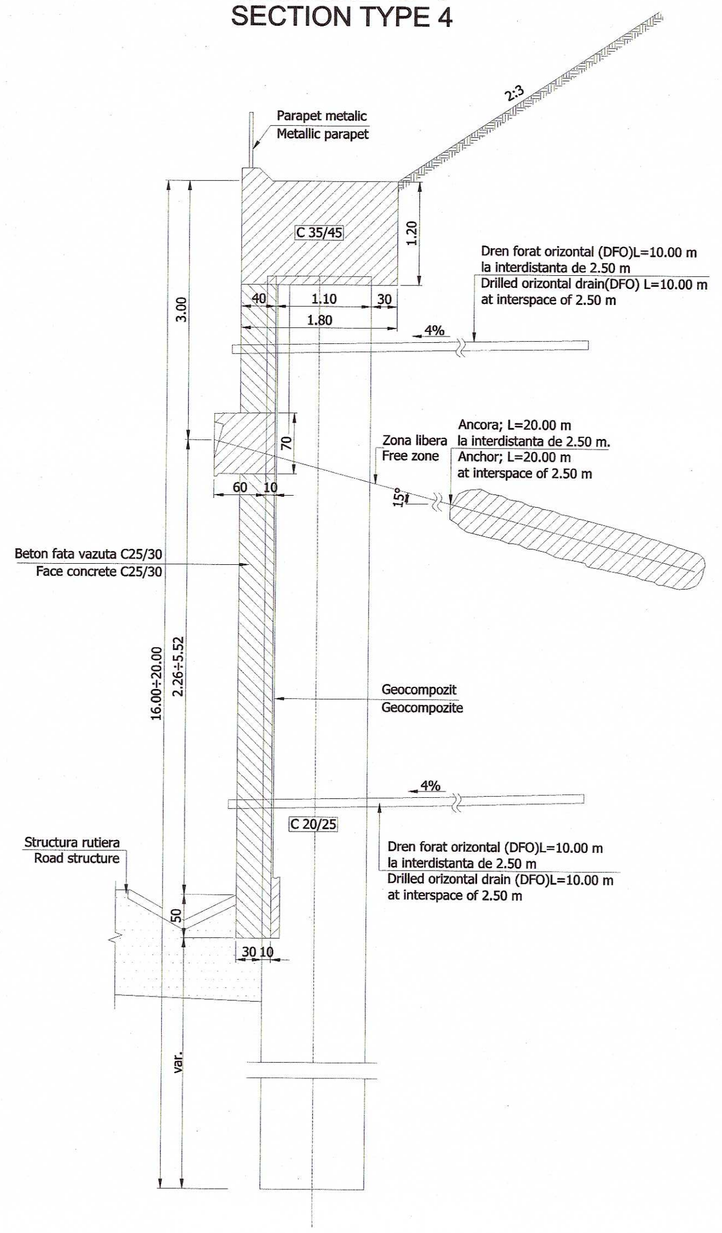
SECTIUNE TIP 2
SECTION TYPE 2



SECTIUNE TIP 3
SECTION TYPE 3



SECTIUNE TIP 4
SECTION TYPE 4



TABEL DE APLICABILITATI/ TABLE OF APPLICABILITIES
STRUCTURI DE SPRIJIN
RETAINING STRUCTURES

Nr. Crt. No.	Pozitie km./Designed chainage Inceput/Start (km)	Sfarsit/End (km)	Tip structura Structure type	Pozitia Position left/right	Lungime aplicata Applied length (m)
1	9+625	9+756	tip 3/ type 3	st.	131
2	10+817	10+846	tip 4/ type 4	dr.	47
3	15+602	15+757	tip 3/ type 3	st.	155
4	16+506	16+842	tip 1/ type 1	dr.	340
5	18+500	18+500	tip 2/ type 2	dr.	30
6	20+665	20+833	tip 3/ type 3	dr.	168
Total general / Grand total					871

NOTE / NOTES

BENEFICIAR / CLIENT
COMPANIA NATIONALA DE AUTOSTRAZI SI DRUMURI NATIONALE DIN ROMANIA
NATIONAL COMPANY OF MOTORWAYS AND NATIONAL ROADS IN ROMANIA

PROIECTANT / DESIGNER
SEARCH CORPORATION

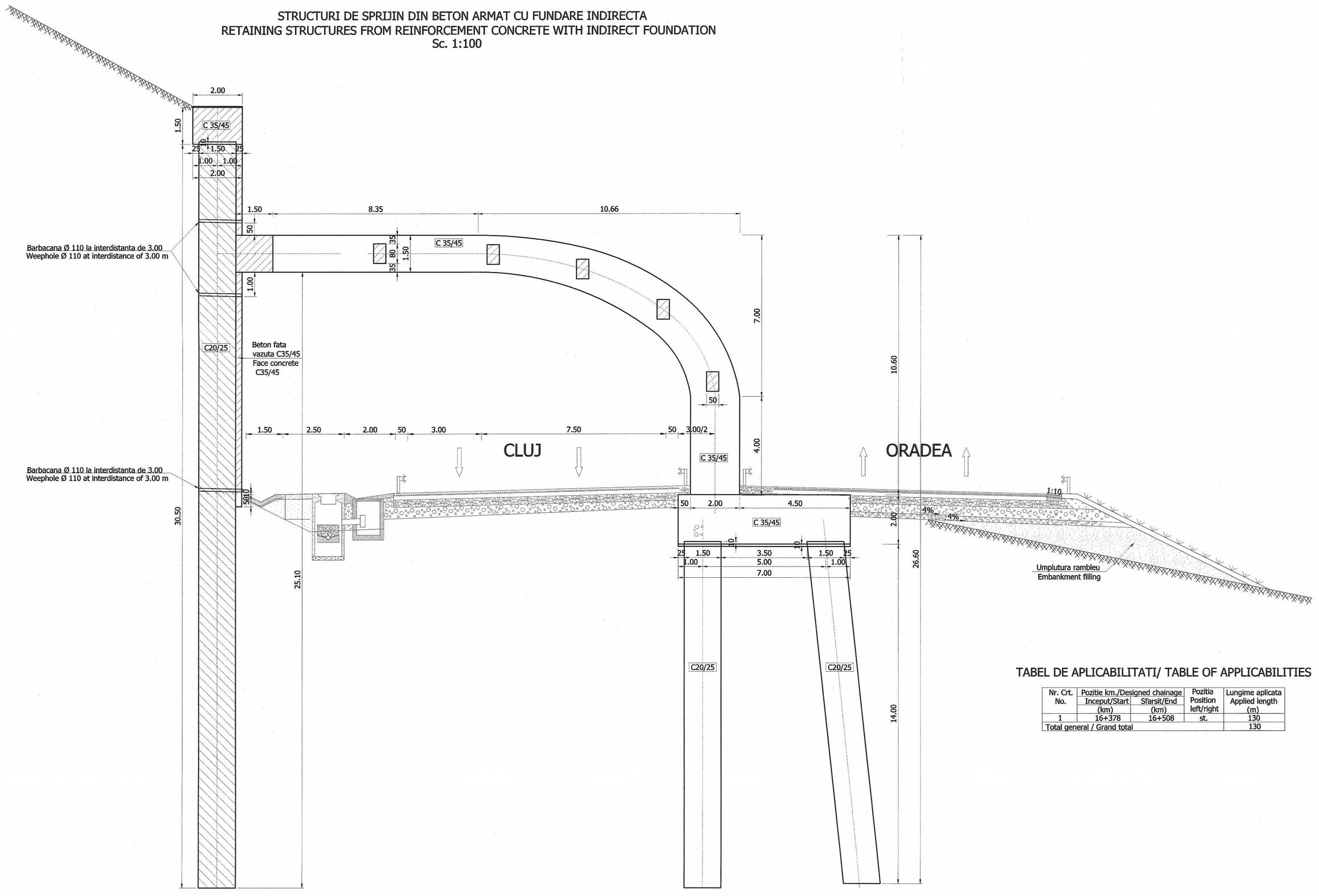
AUTOSTRADA TRANSILVANIA
TRANSILVANIA MOTORWAY
SECTOR / SECTION 3A
CLUJ VEST (GILAU)- MIHAIESTI
FAZA: REVIZUIRE STUDIU DE FEZABILITATE
PROIECT ILUSTRATIV
TRONSON/SUBSECTION 3 A 2
KM 8+700 - 25+500

SPECIALITATE - LUCRARI DE CONSOLIDARE
DISCIPLINE - CONSOLIDATION WORKS

STRUCTURI DE SPRIJIN DIN BETON ARMAT
RETAINING STRUCTURES FROM REINFORCEMENT CONCRETE

DIRECTOR PROIECT PROJECT MANAGER	F. Raducu
SEF PROIECT CONSOLIDARE CONSOLIDATION WORKS PROJECT	O. Stoicescu
PROIECTAT DESIGNER	M. Otea
DESENAT DRAWNER	M. Otea
VERIFICAT INTERN INTERNAL CHECKER	A. Filip
Contract Nr. Contract No.	Revizia Nr.: Rev. No.:
Data: Date: Ianuarie 2012	Scara: Scale: 1:50
Cod desen : Drawing number:	3A2-ASF-CSD-DET-007

STRUCTURI DE SPRIJIN DIN BETON ARMAT CU FUNDARE INDIRECTA
RETAINING STRUCTURES FROM REINFORCEMENT CONCRETE WITH INDIRECT FOUNDATION
Sc. 1:100



TABEL DE APLICABILITATI/ TABLE OF APPLICABILITIES

Nr. Crt. No.	Pozitie km./Designed chainage Inceput/Start (km)	Sfarsit/End (km)	Pozitia Position left/right	Lungime aplicata Applied length (m)
1	16+378	16+508	st.	130
Total general / Grand total				130

NOTE / NOTES

BENEFICIAR / CLIENT
COMPANIA NATIONALA DE AUTOSTRAZI SI DRUMURI NATIONALE DIN ROMANIA
NATIONAL COMPANY OF MOTORWAYS AND NATIONAL ROADS IN ROMANIA

PROIECTANT / DESIGNER
SEARCH CORPORATION

AUTOSTRADA TRANSILVANIA
TRANSILVANIA MOTORWAY
SECTOR / SECTION 3A
CLUJ VEST (GILAU)- MIHAIESTI
FAZA: REVIZUIRE STUDIU DE FEZABILITATE
PROIECT ILUSTRATIV

TRONSON/SUBSECTION 3 A 2
KM 8+700 - 25+500

SPECIALITATE - LUCRARI DE CONSOLIDARE
DISCIPLINE - CONSOLIDATION WORKS

STRUCTURI DE SPRIJIN DIN BETON ARMAT CU FUNDARE INDIRECTA
RETAINING STRUCTURES FROM REINFORCEMENT CONCRETE WITH INDIRECT FOUNDATION

DIRECTOR PROIECT / PROJECT MANAGER	F. Raducu
SEF PROIECT CONSOLIDARE / CONSOLIDATION WORKS PROJECT	O. Stolcescu
PROIECTAT / DESIGNER	M. Otea
DESENAT / DRAWNER	M. Otea
VERIFICAT INTERN / INTERNAL CHECKER	A. Filip
Contract Nr. / Contract No.	Revizia Nr.: / Rev. No.:
Data: / Date: Ianuarie 2012	Scara: / Scale: 1:100
Cod desen : / Drawing number:	3A2-ASF-CSD-DET-008