QUADRILATERO
Marche Umbria S.p.A.

ASSE VIARIO MARCHE-UMBRIA
E QUADRILATERO DI PENETRAZIONE INTERNA
MAXI LOTTO 2

LAVORI DI COMPLETAMENTO DELLA DIRETTRICE PERUGIA ANCONA:
SS. 318 DI "VALFABBRICA", TRATTO PIANELLO -VALFABBRICA
SS. 76 "VAL D'ESINO", TRATTI FOSSATO VICO - CANCELLI E ALBACINA - SERRA SAN QUIRICO
"PEDEMONTANA DELLE MARCHE", TRATTO FABRIANO-MUCCIA-SFERCIA.

PROGETTO ESECUTIVO

CONTRAENTE GENERALE:	*Il responsabile del Contraente Generale:*	*Il responsabile Integrazioni delle Prestazioni Specialistiche:*
DIRPA 2 s.c.a r.l.	Ing. Federico Montanari	Ing. Salvatore Lieto

PROGETTAZIONE: ***Associazione Temporanea di Imprese***

Mandataria: PROGETTAZIONE GRANDI INFRASTRUTTURE PROGIN S.p.A.

Mandanti: LOMBARDI SA INGEGNERI CONSULENTI; LOMBARDI-REICO INGEGNERIA S.r.l.; SGAI s.r.l. di E.Forlani & C. Studio di Ingegneria e Geologia Applicata
Via Mariotti, 20 - 47833 Morciano di Romagna (RN) - ITALY
P.IVA 01894420403 - tel/fax +39 0541988277 - e-mail: sgai@sgai.com
pec: sgai@sgai.pec.com
www.sgai.com
Sist.Gest.Qual.ISO 9001:08 RINA 4387/00/S

RESPONSABILE DELLA PROGETTAZIONE PER L'A.T.I.
Prof. Ing. Antonio Grimaldi

GEOLOGO
Dott. Geol. Fabrizio Pontoni

COORDINATORE DELLA SICUREZZA IN FASE DI PROGETTAZIONE
Ing. Michele Curiale

Dott. Ing. ANTONIO GRIMALDI – ORDINE INGEGNERI ROMA N. 20860
ORDINE DEI GEOLOGI DELLE MARCHE – Fabrizio PONTONI – Geologo Specialista N. 176 – ALBO SEZIONE A
ORDINE DEGLI INGEGNERI DELLA PROVINCIA DI CASERTA – Dott. Ing. MICHELE CURIALE N. 1679 "Sez. A" Settori: Civile Ambientale, Industriale, Dell'Informazione

IL RESPONSABILE DEL PROCEDIMENTO	IL COORDINATORE DELLA SICUREZZA IN FASE DI ESECUZIONE	IL DIRETTORE DEI LAVORI
Ing. Iginio Farotti	Ing. Vincenzo Pardo	Ing. Peppino Marascio

2.1.3 - PEDEMONTANA DELLE MARCHE
3° stralcio funzionale: Castelraimondo nord - Castelraimondo sud
4° stralcio funzionale: Castelraimondo sud - innesto S.S.77 a Muccia
OPERE D'ARTE MAGGIORI : GALLERIE NATURALI
GALLERIA NATURALE MECCIANO
Relazione Tecnica e di Calcolo della Galleria Naturale - Appendice 1

SCALA: -

DATA: ***Marzo 2020***

Codice Unico di Progetto (CUP) **F12C03000050021** (Assegnato CIPE 23-12-2015)

Codice elaborato:

Opera					Tratto			Settore	CEE		WBS						Id. doc.			N. prog.		Rev.
L	O	7	0	3	2	1	3	E	1	3	G	N	3	6	0	0	R	E	L	0	2	A

REV.	DATA	DESCRIZIONE	Redatto		Controllato	Approvato
A	Marzo 2020	Emissione Progetto Esecutivo	PROGIN	PROGIN	S. Lieto	A. Grimaldi

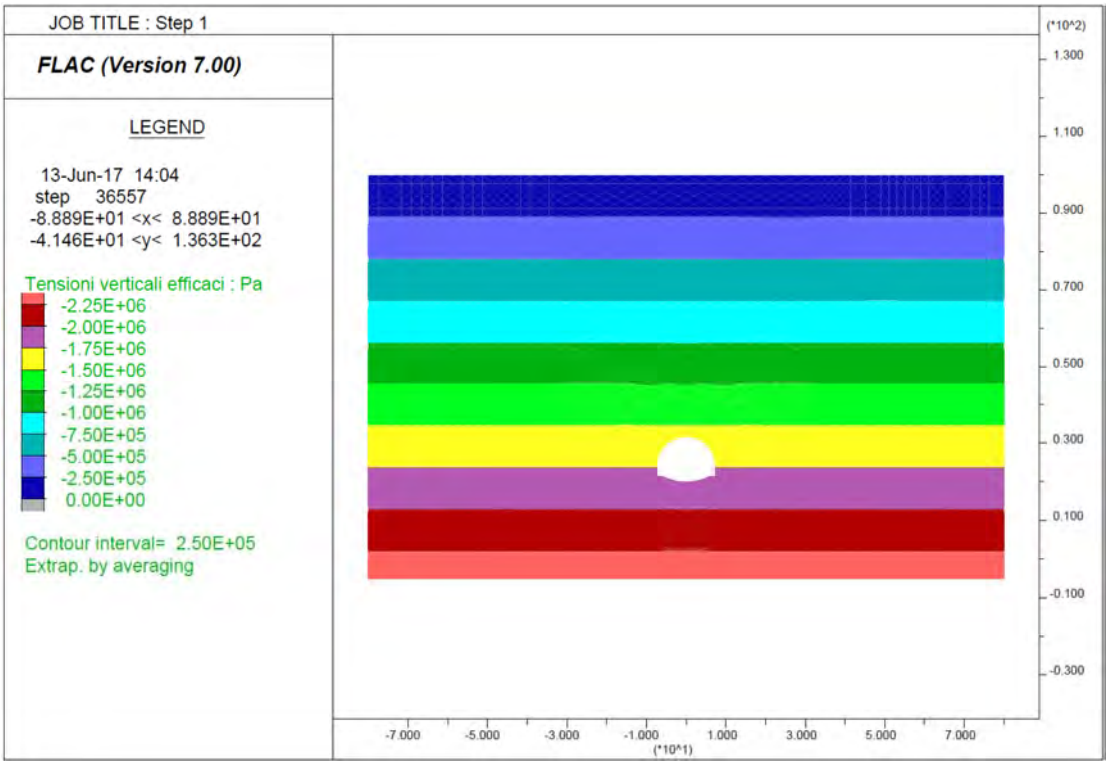
APPENDICE:

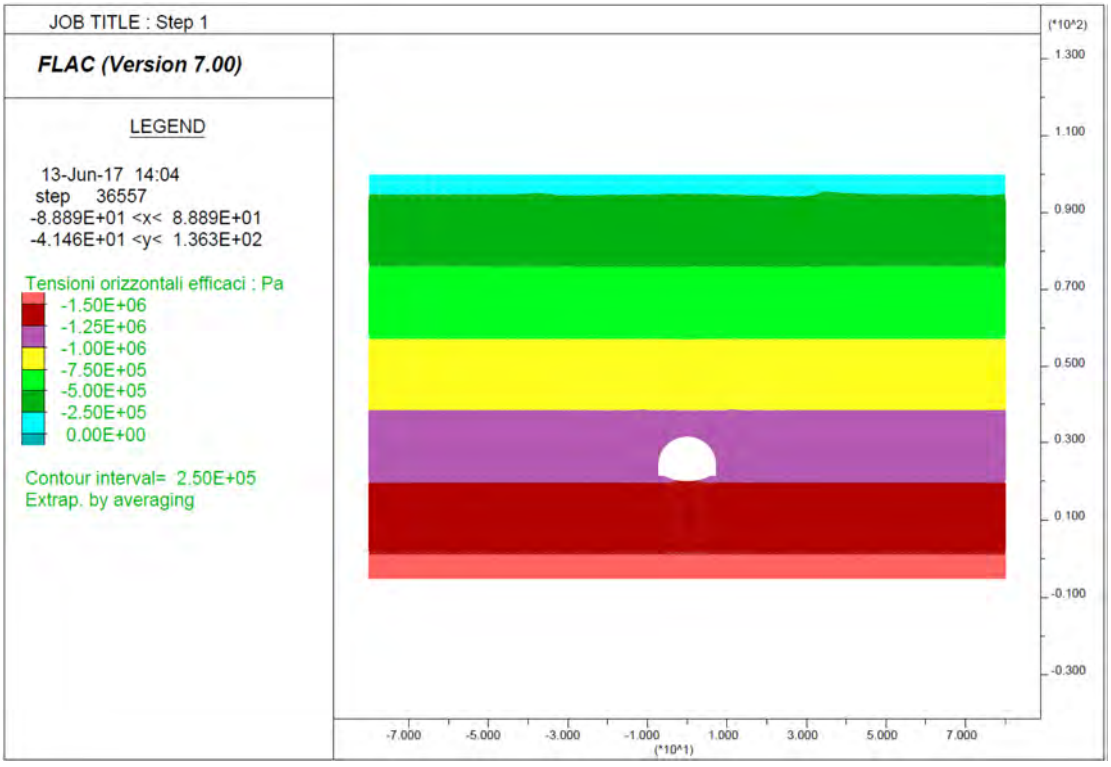
Output di calcolo FLAC

- **Sezione tipo B2 - Parametri res min** – *Copertura di calcolo = 70 m*
- **Sezione tipo B2 - Parametri res max** – *Copertura di calcolo = 70 m*
- **Sezione tipo B0 - Parametri res min** – *Copertura di calcolo = 70 m*
- **Sezione tipo B0 - Parametri res max** – *Copertura di calcolo = 70 m*
- **Sezione tipo B2 - Parametri res min** – *Copertura di calcolo = 50 m*
- **Sezione tipo B2 - Parametri res max** – *Copertura di calcolo = 50 m*
- **Sezione tipo B0 - Parametri res min** – *Copertura di calcolo = 50 m*
- **Sezione tipo B0 - Parametri res max** – *Copertura di calcolo = 50 m*
- **Sezione tipo B2** – *Copertura di calcolo = 25 m*
- **Sezione tipo B2V** – *Copertura di calcolo = 25 m*
- **Sezione tipo B2V** – *Copertura di calcolo = 15 m*

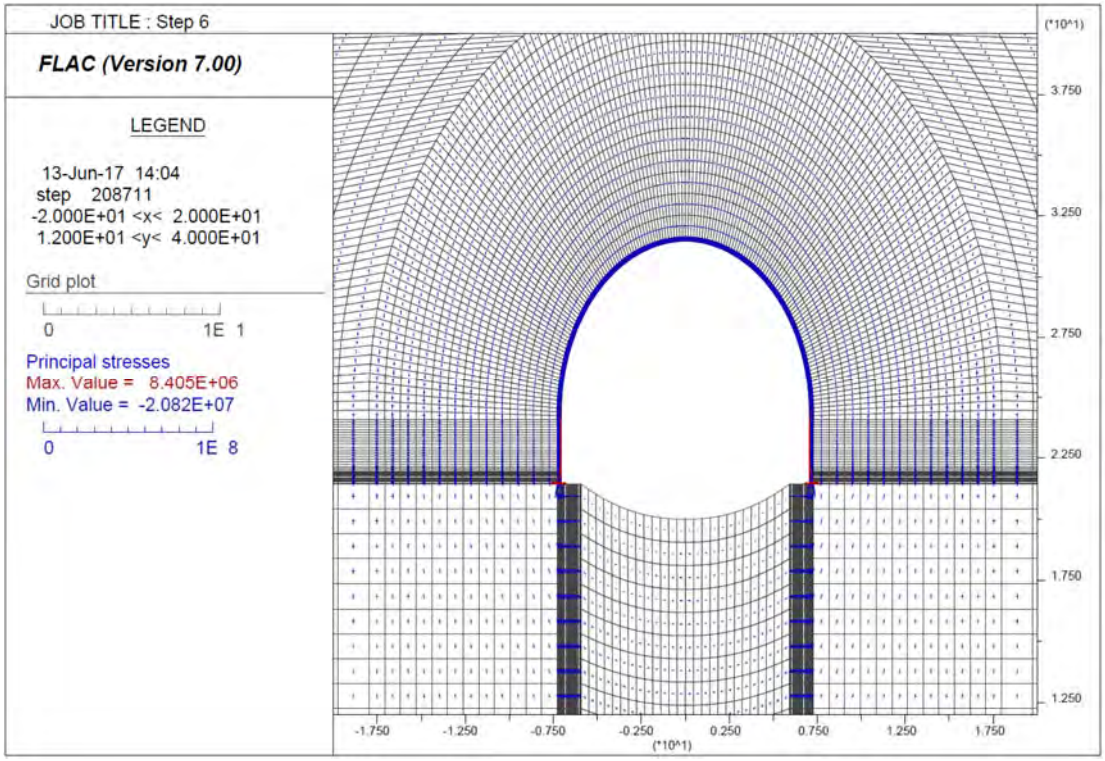
Output Flac – Sezione tipo B2 – Parametri res min – Copertura di calcolo = 70 m

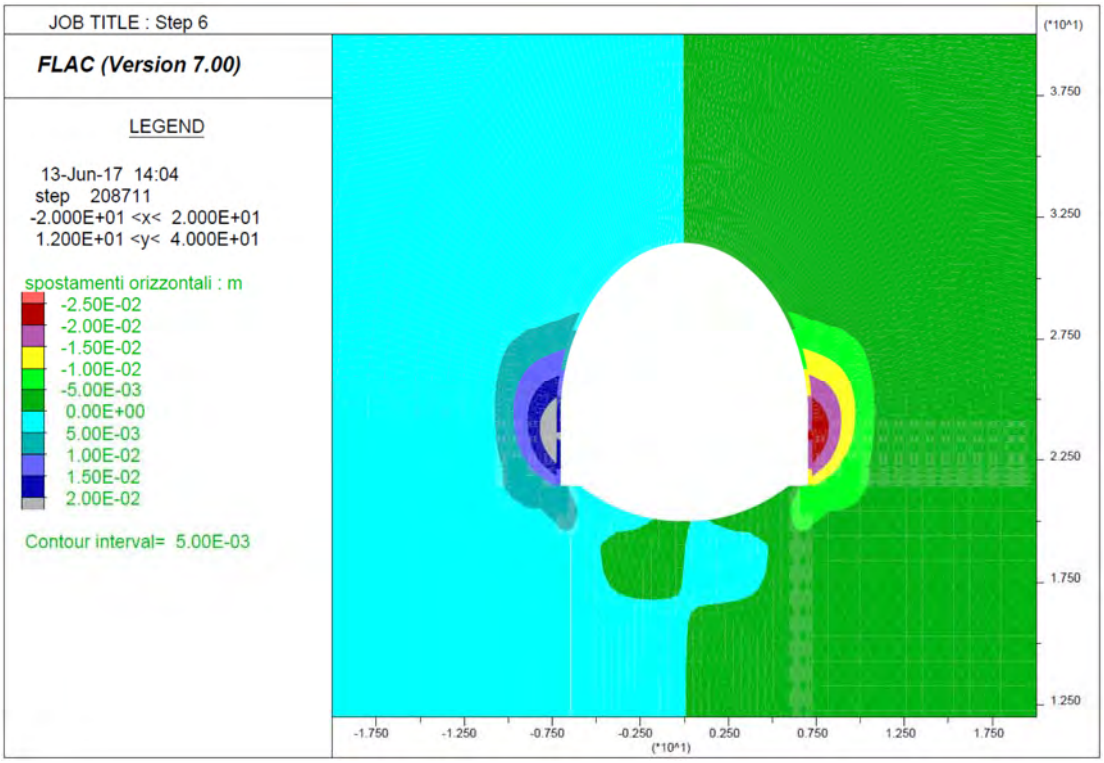
Step 1 – Tensioni litostatiche

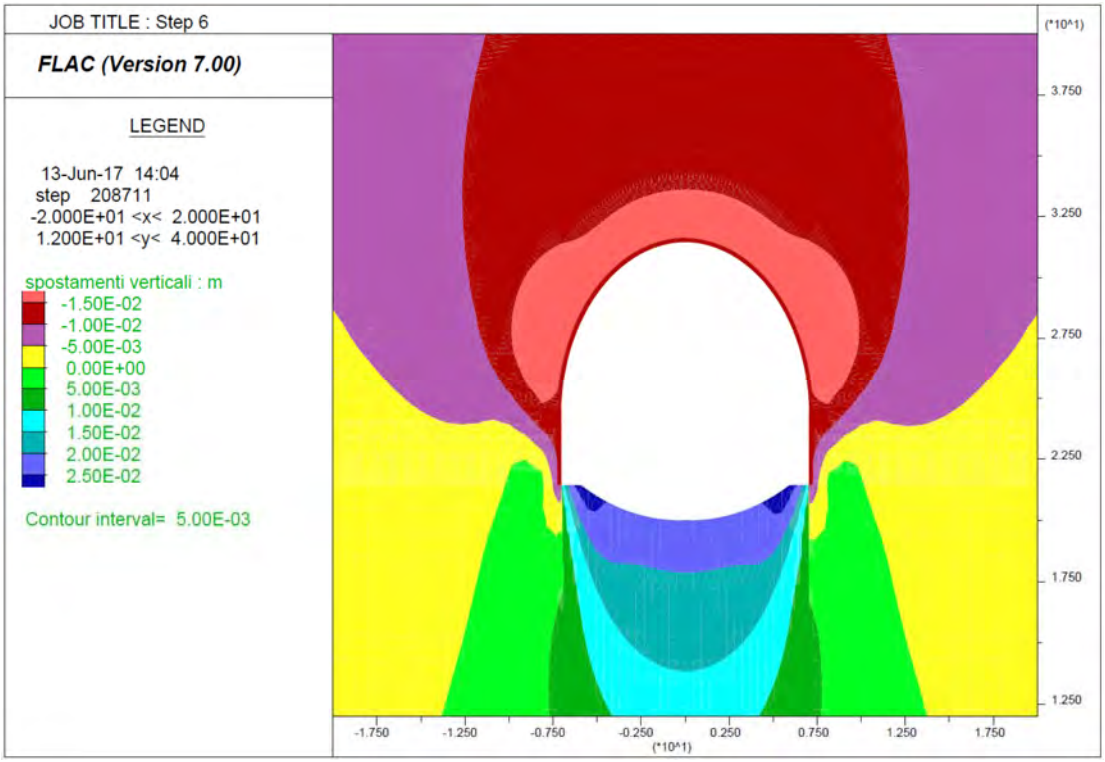


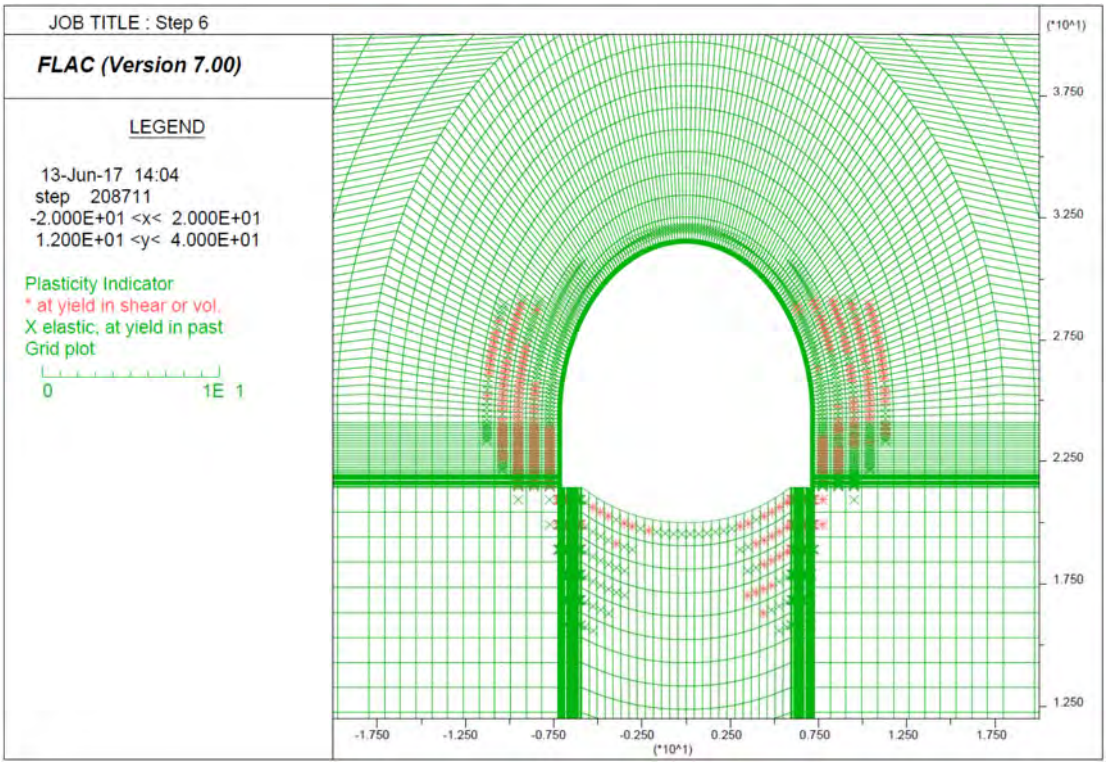


Step 6 – Avanzamento fino a 2D

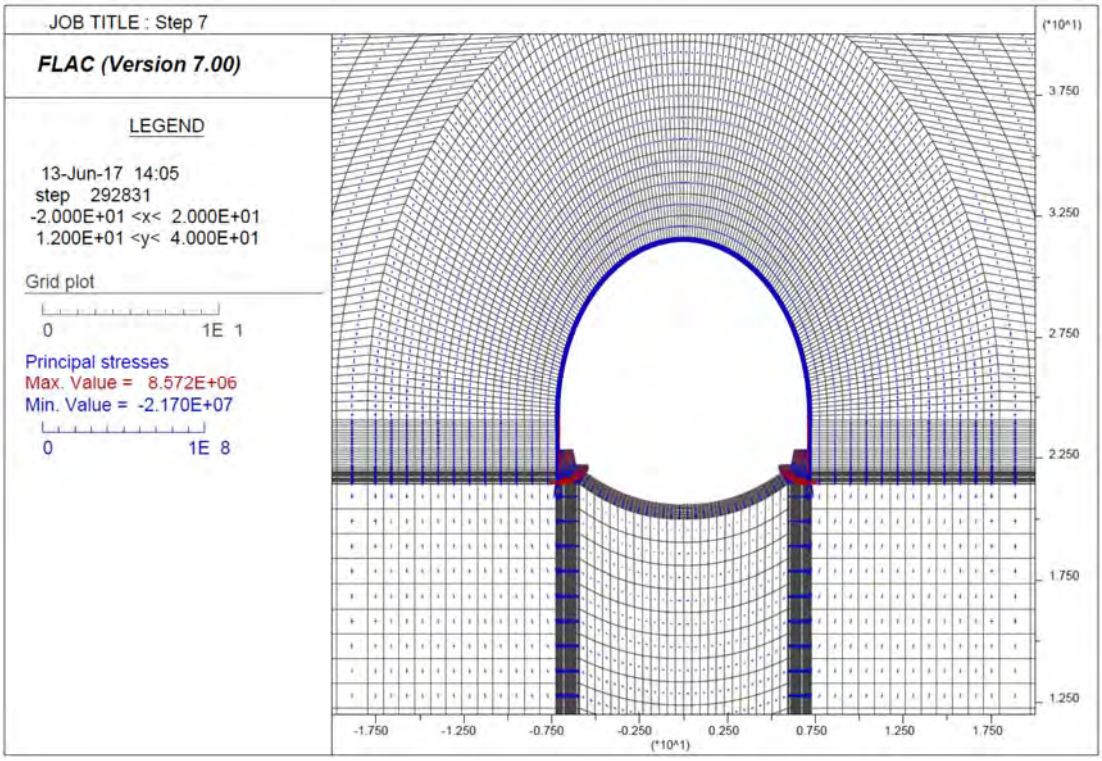


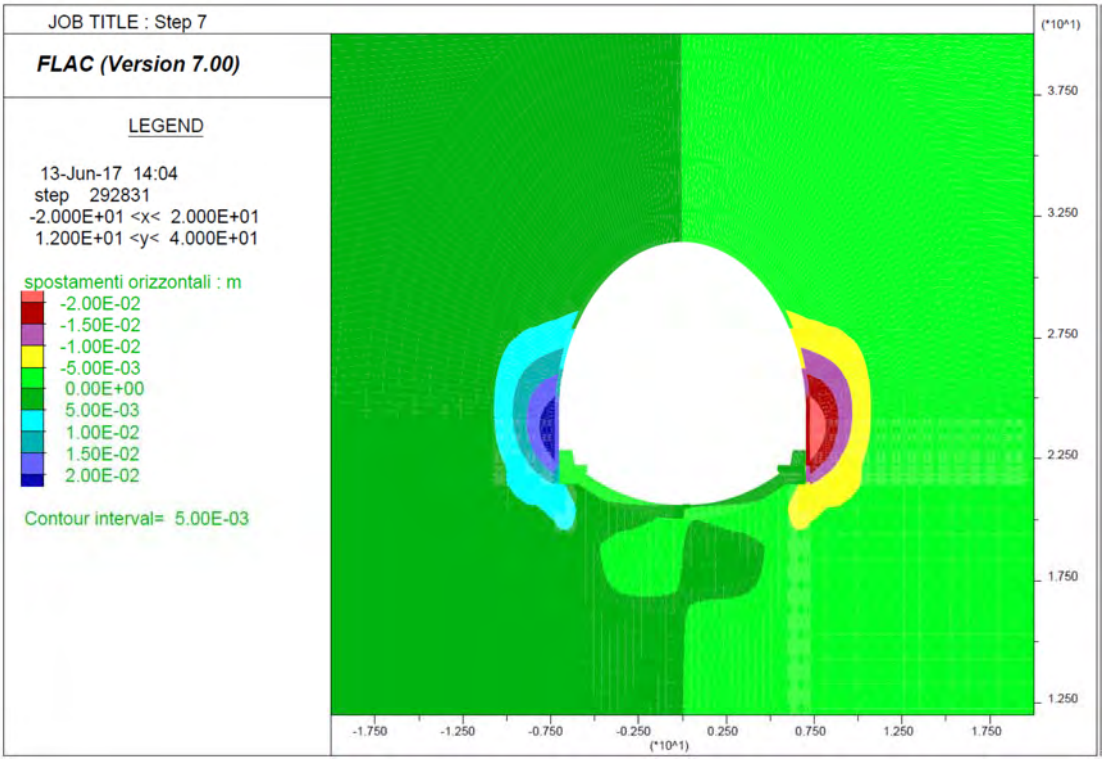


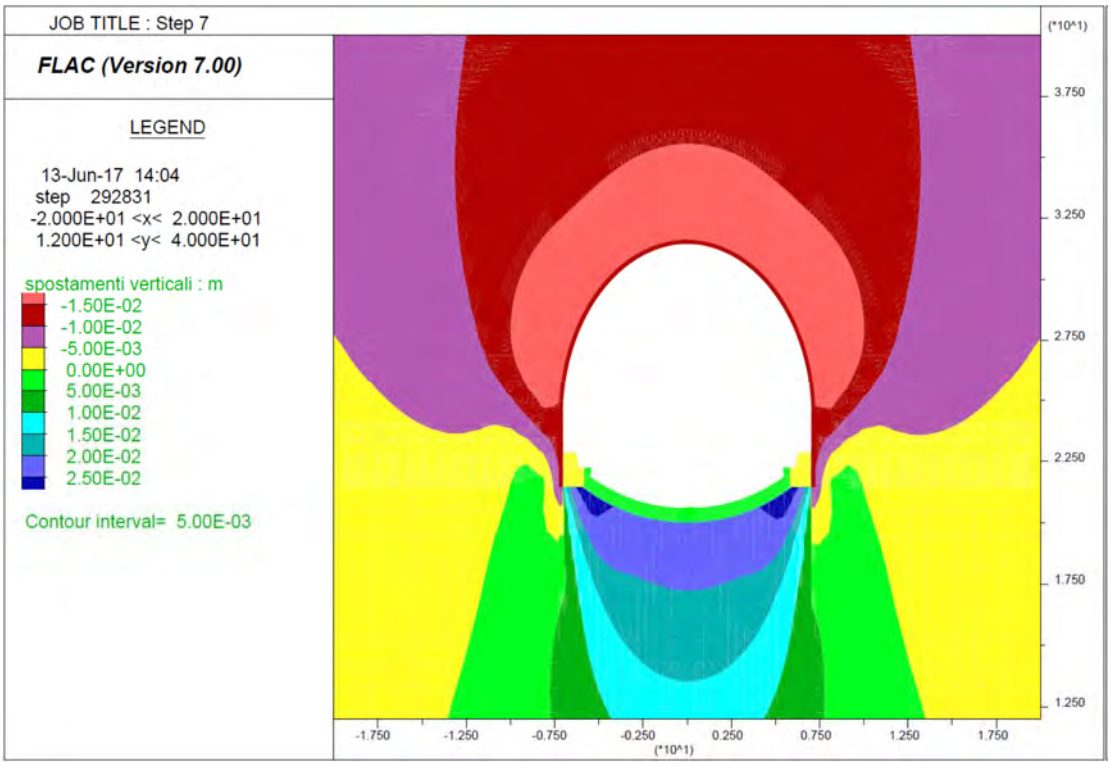

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:04
step 208711
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.50E-02
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
2.00E-02
2.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)


JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:04
step 208711
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
Grid plot
0
1E 1
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 7 - Getto arco rovescio e muretta a 2D e avanzamento fino a deformazioni esaurite



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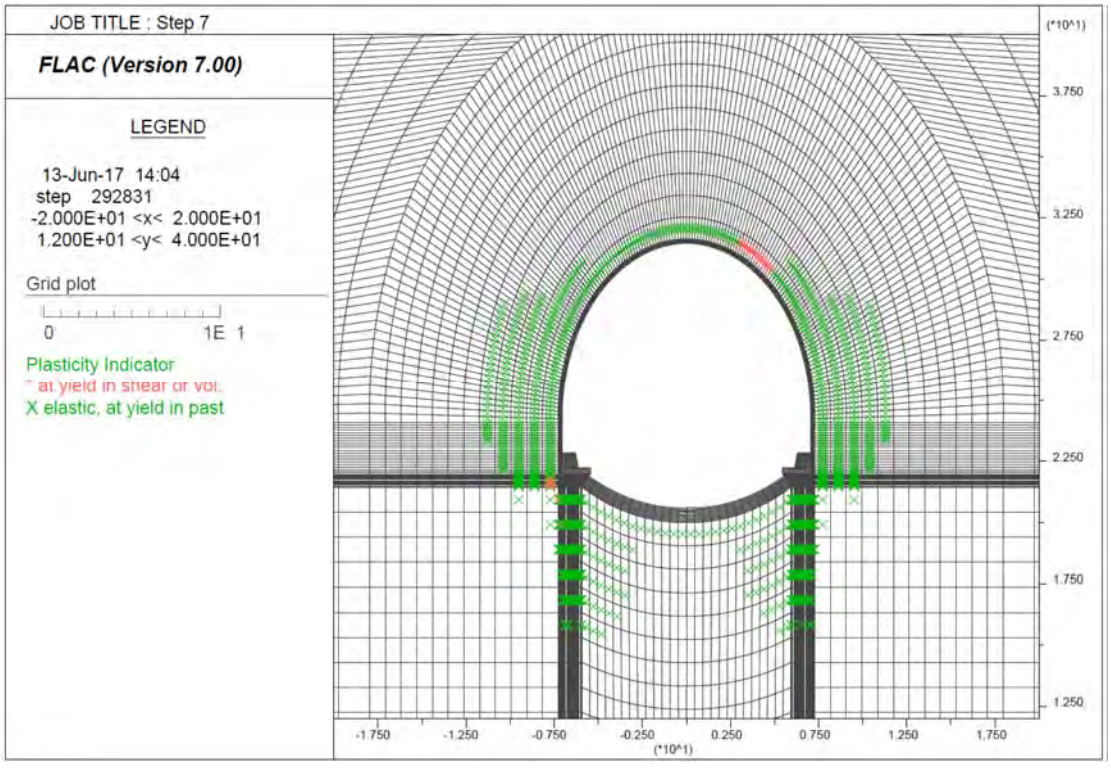
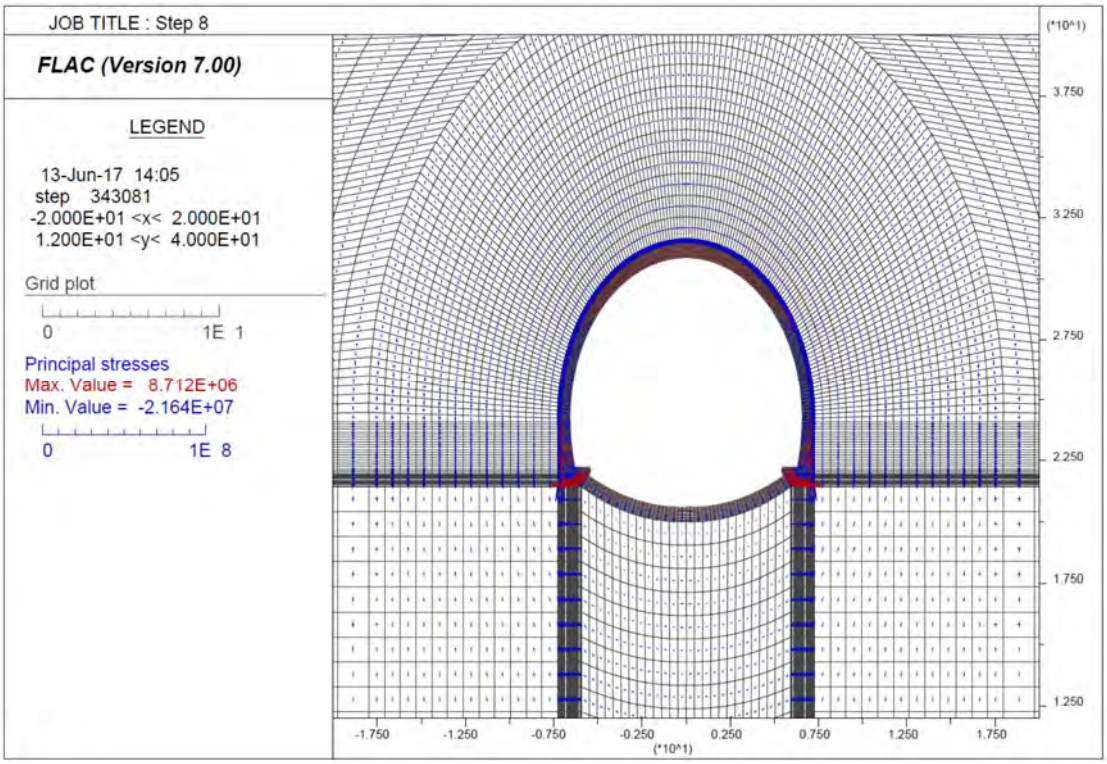
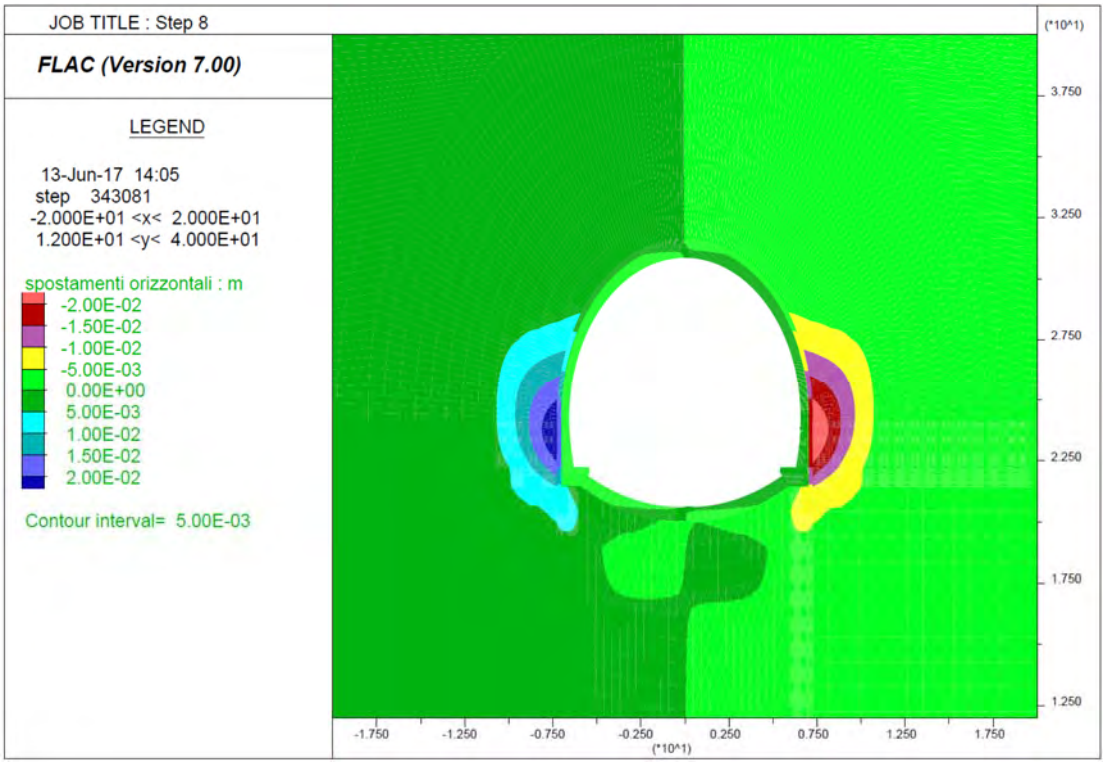
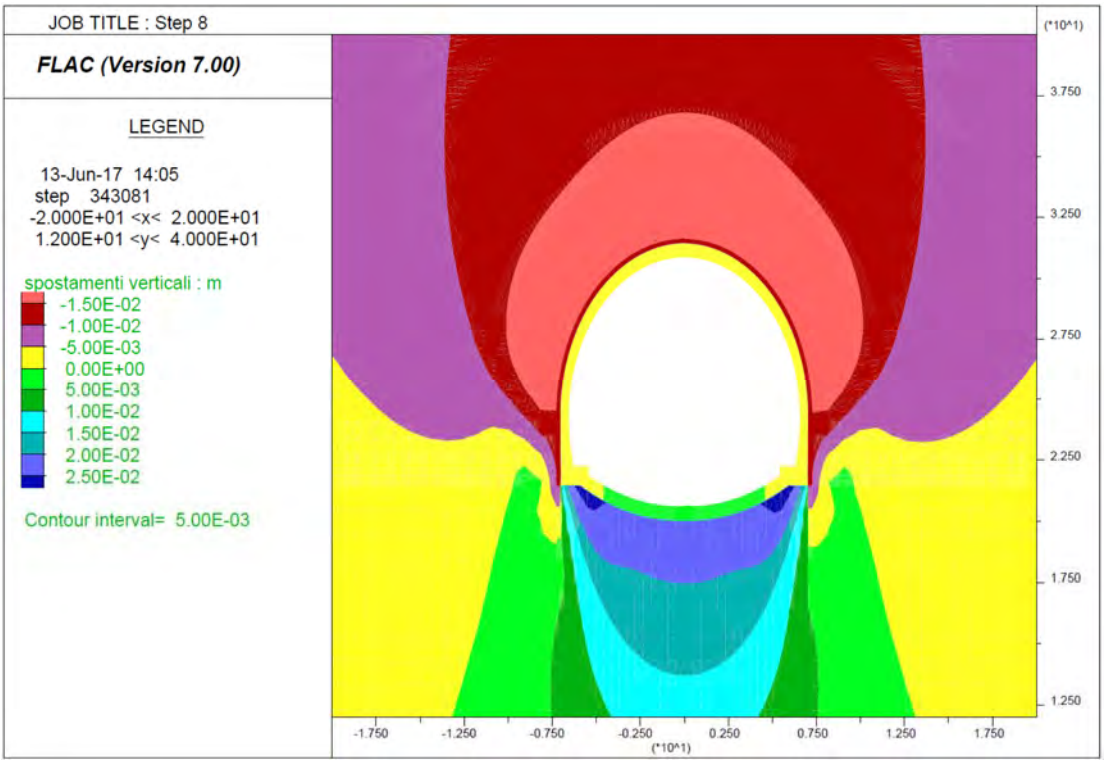
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:04
step 292831
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.50E-02
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
2.00E-02
2.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

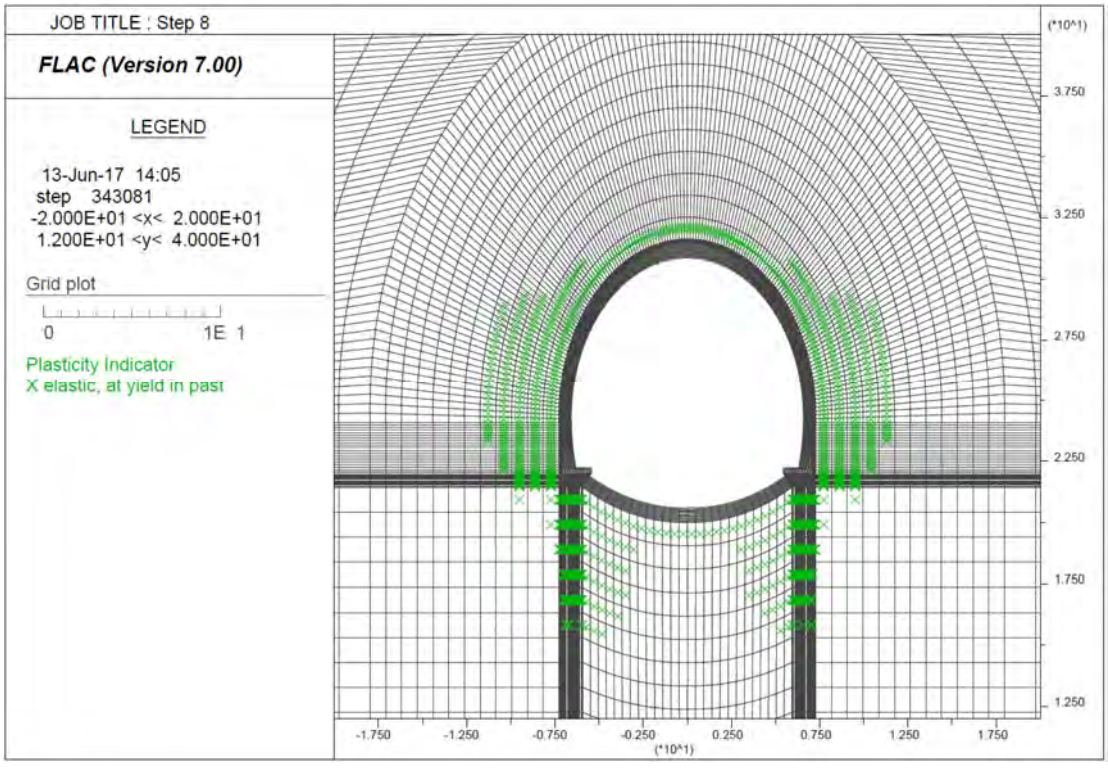

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:04
step 292831
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
" at yield in shear or vol.
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 8 - Getto Calotta

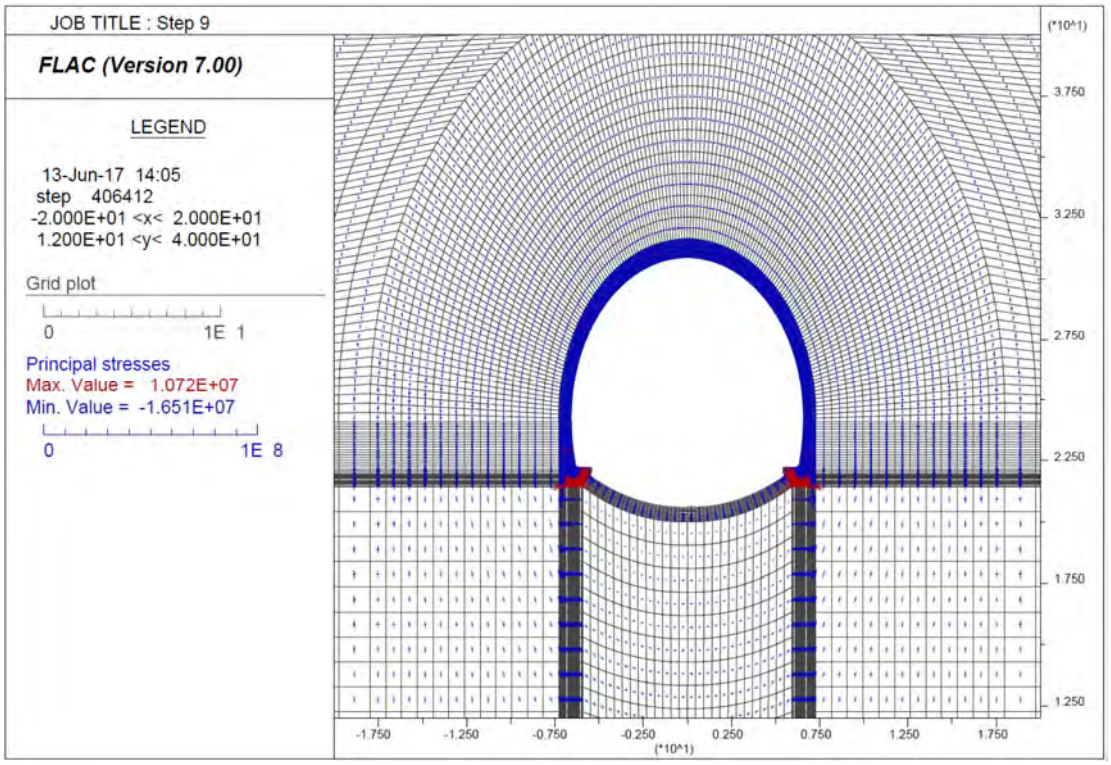


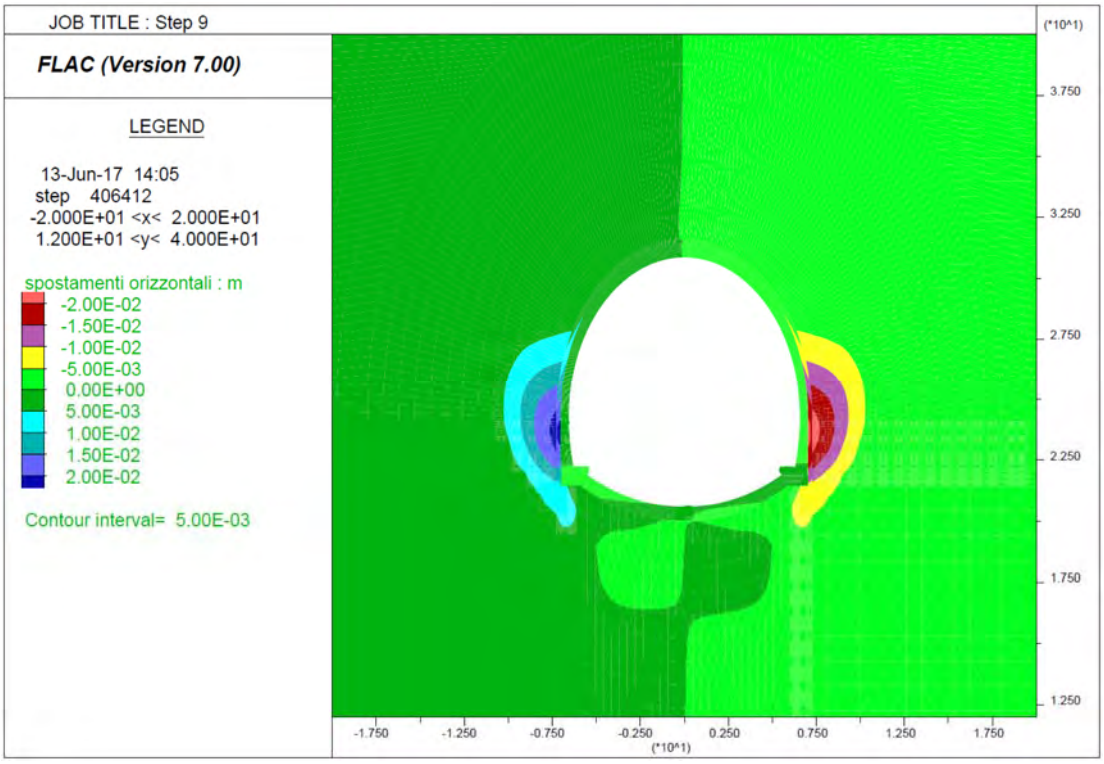


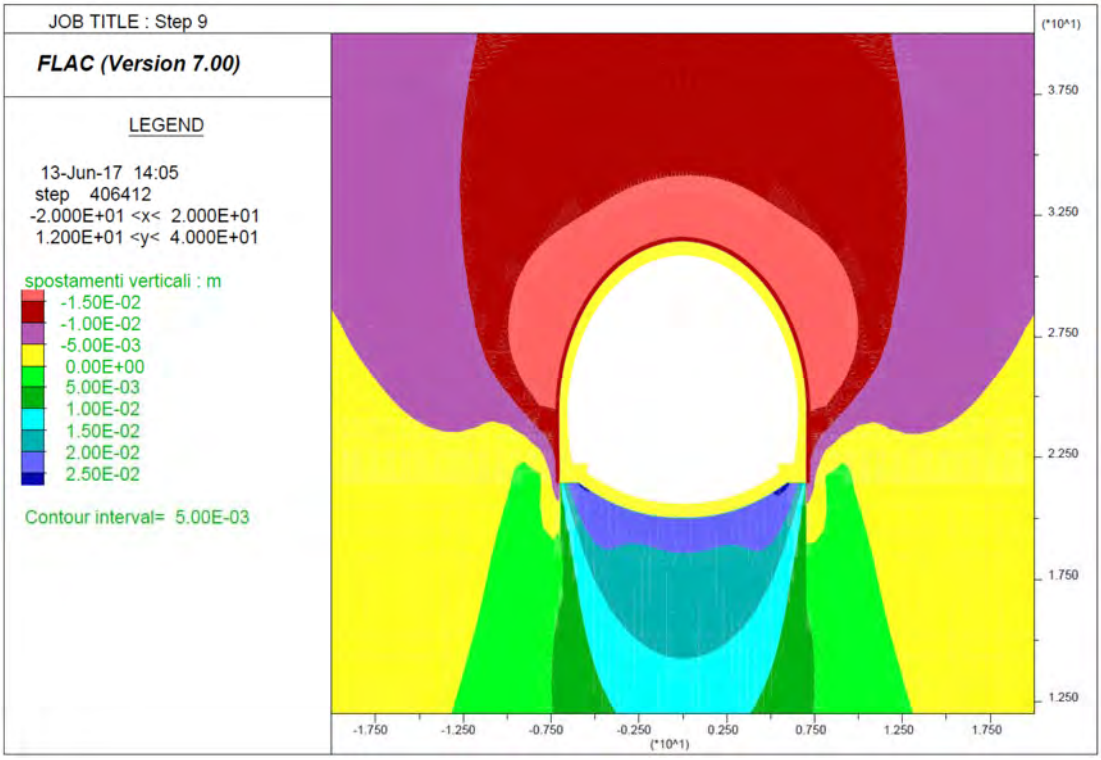

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:05
step 343081
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.50E-02
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
2.00E-02
2.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

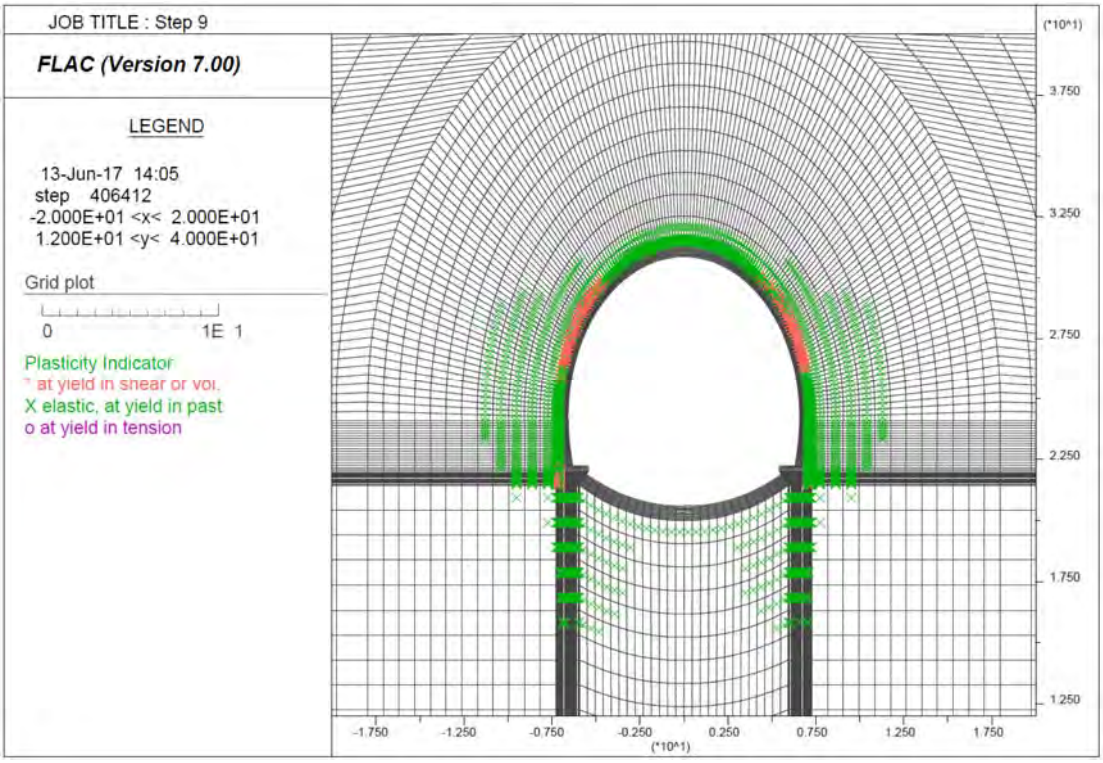

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:05
step 343081
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 9 - Decadimento dei parametri di resistenza del rivestimento provvisorio



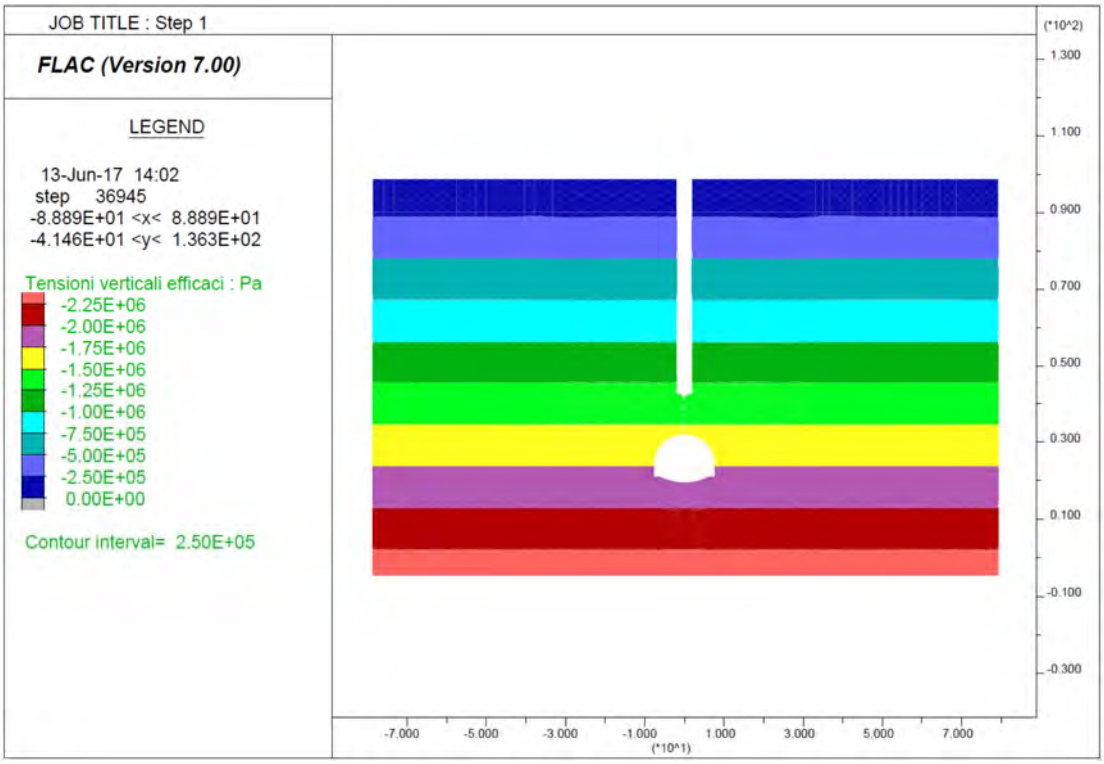


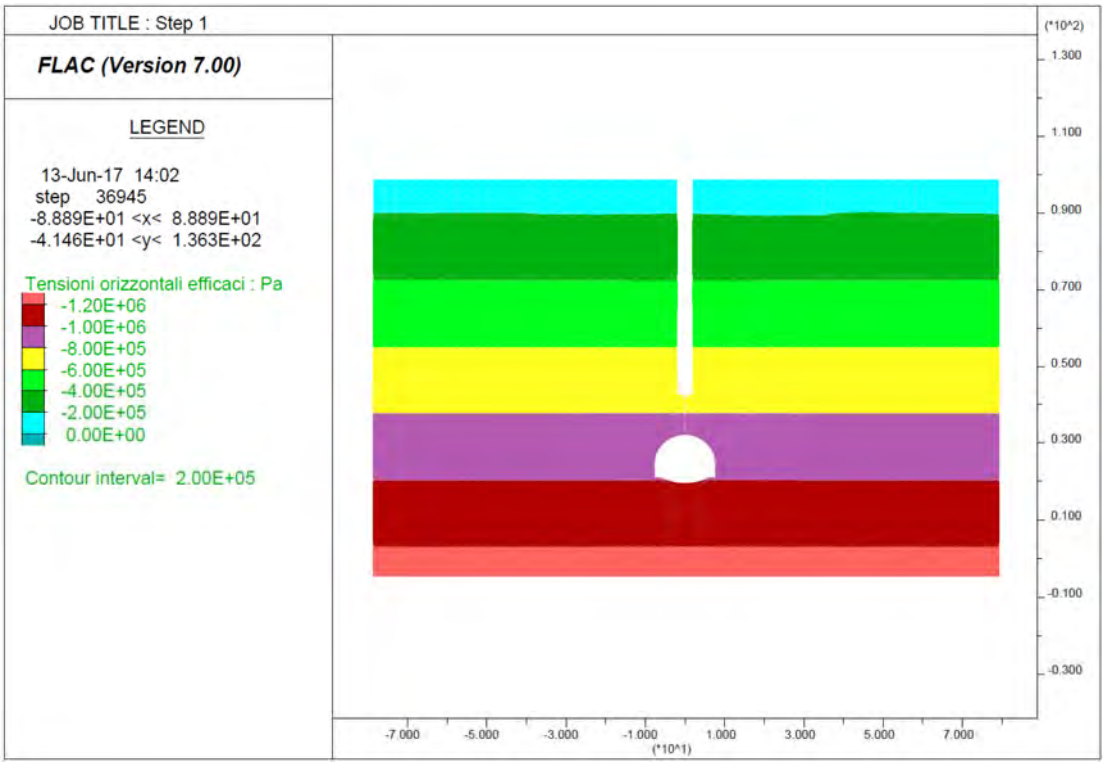

JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:05
step 406412
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.50E-02
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
2.00E-02
2.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)


JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:05
step 406412
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
" at yield in shear or vol.
X elastic, at yield in past
o at yield in tension
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

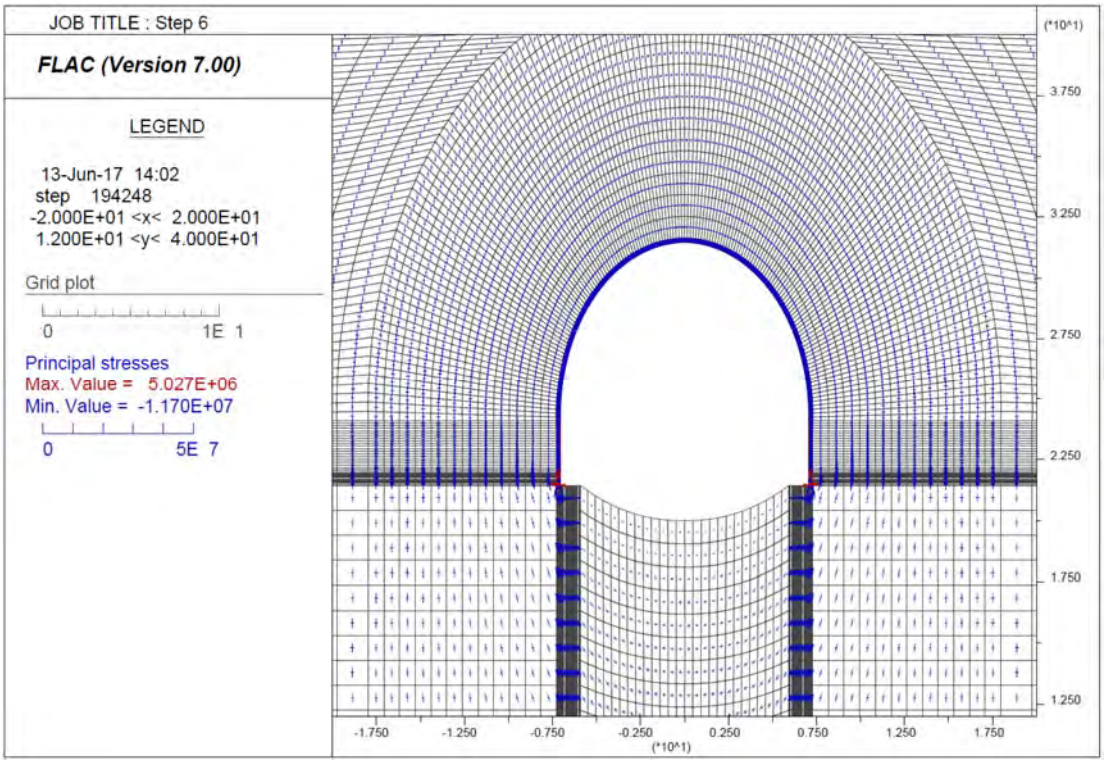
Output Flac – Sezione tipo B2 – Parametri res max – Copertura di calcolo = 70 m

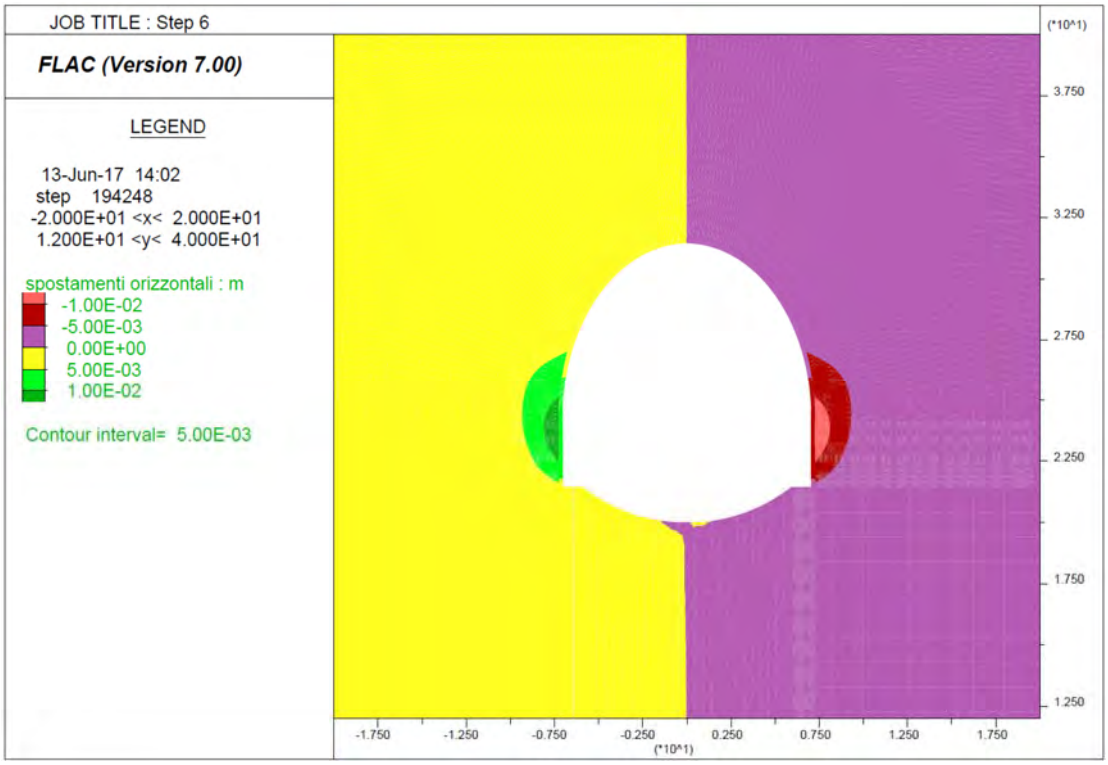
Step 1 – Tensioni litostatiche

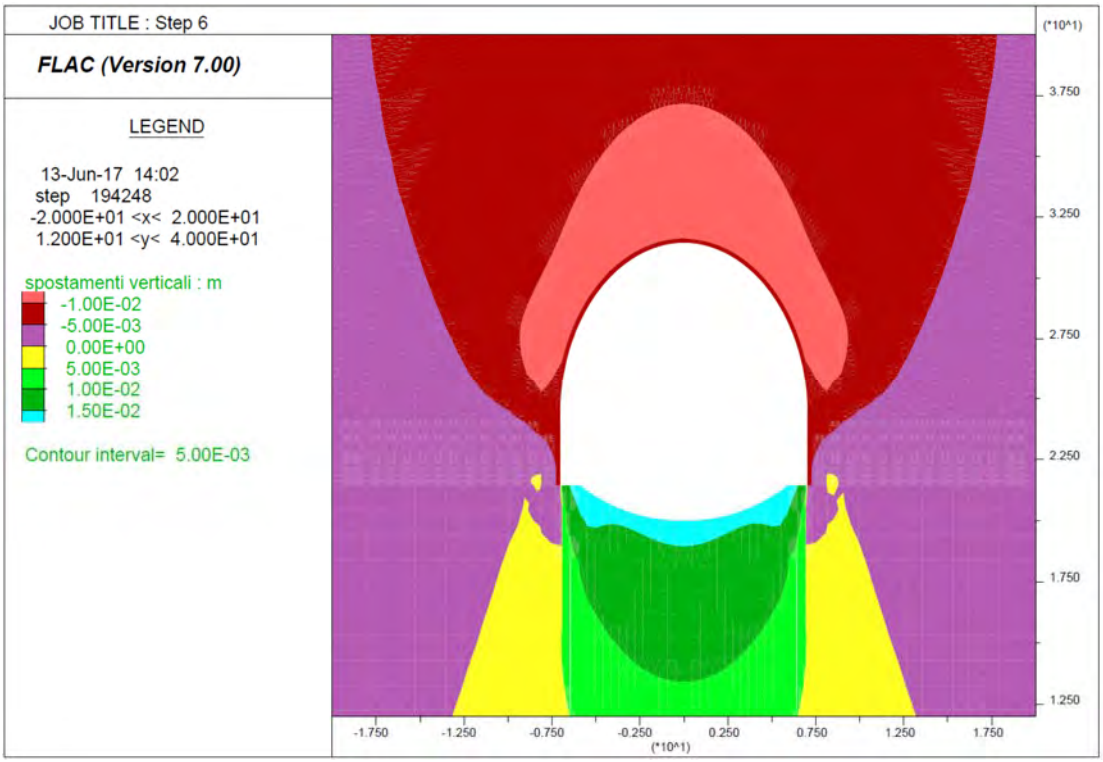


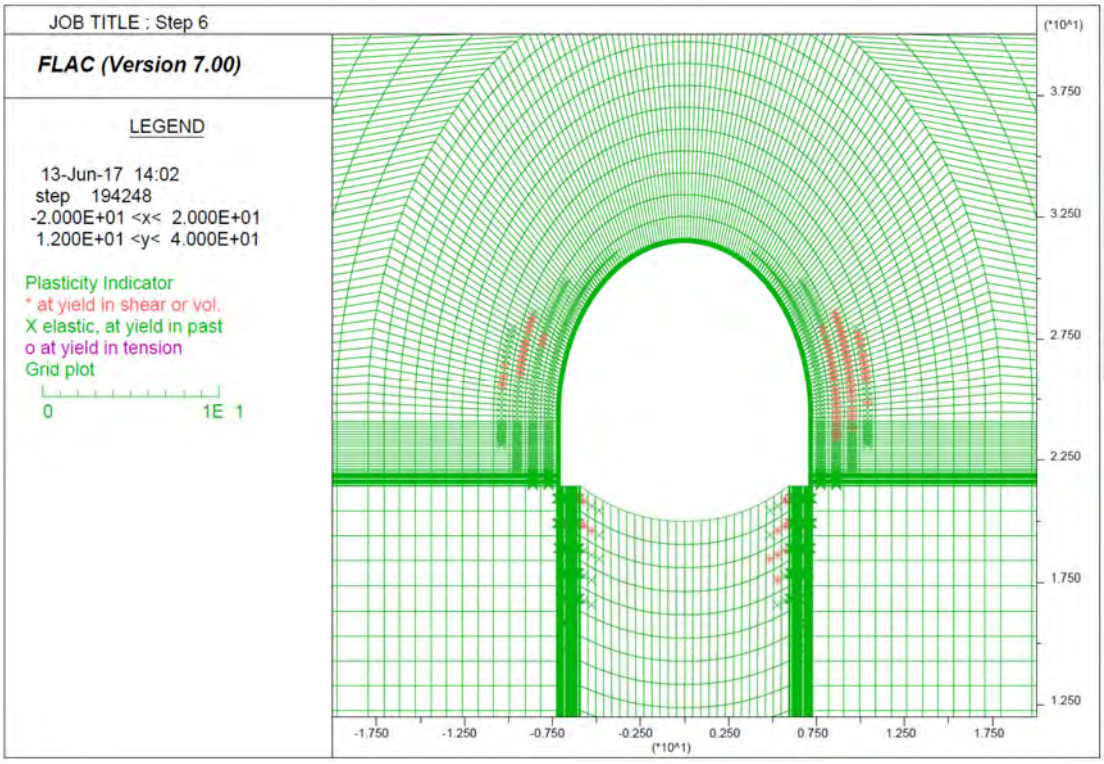


Step 6 – Avanzamento fino a 2D

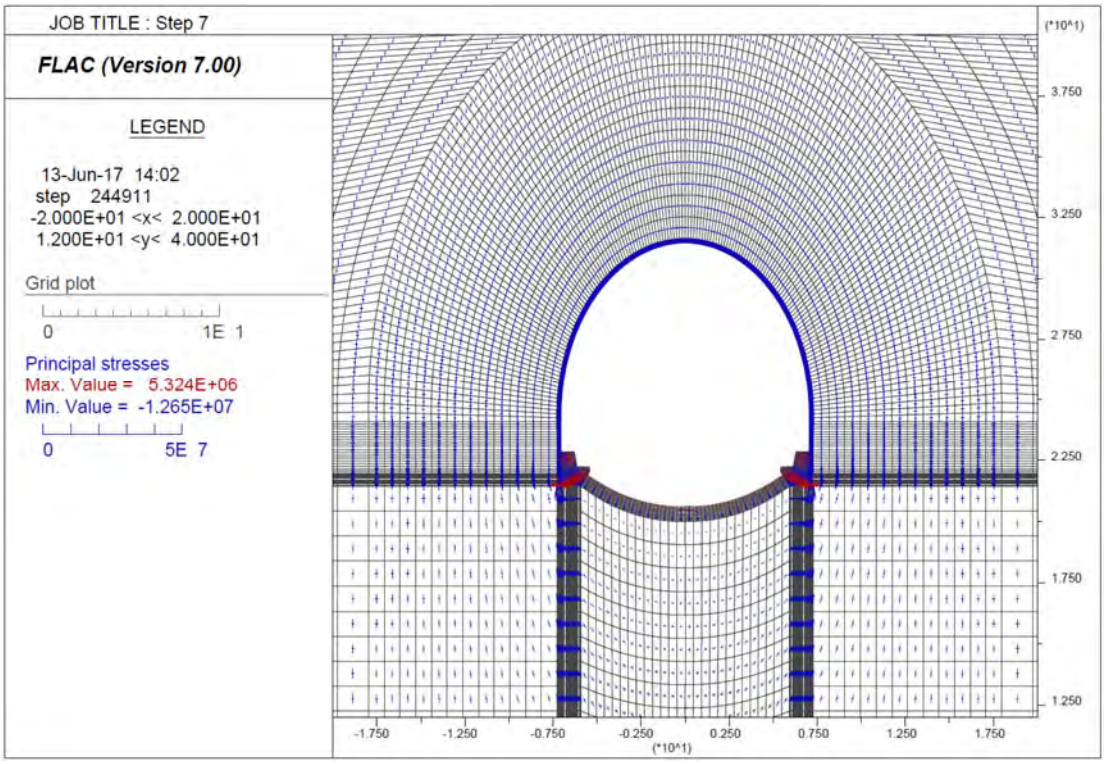


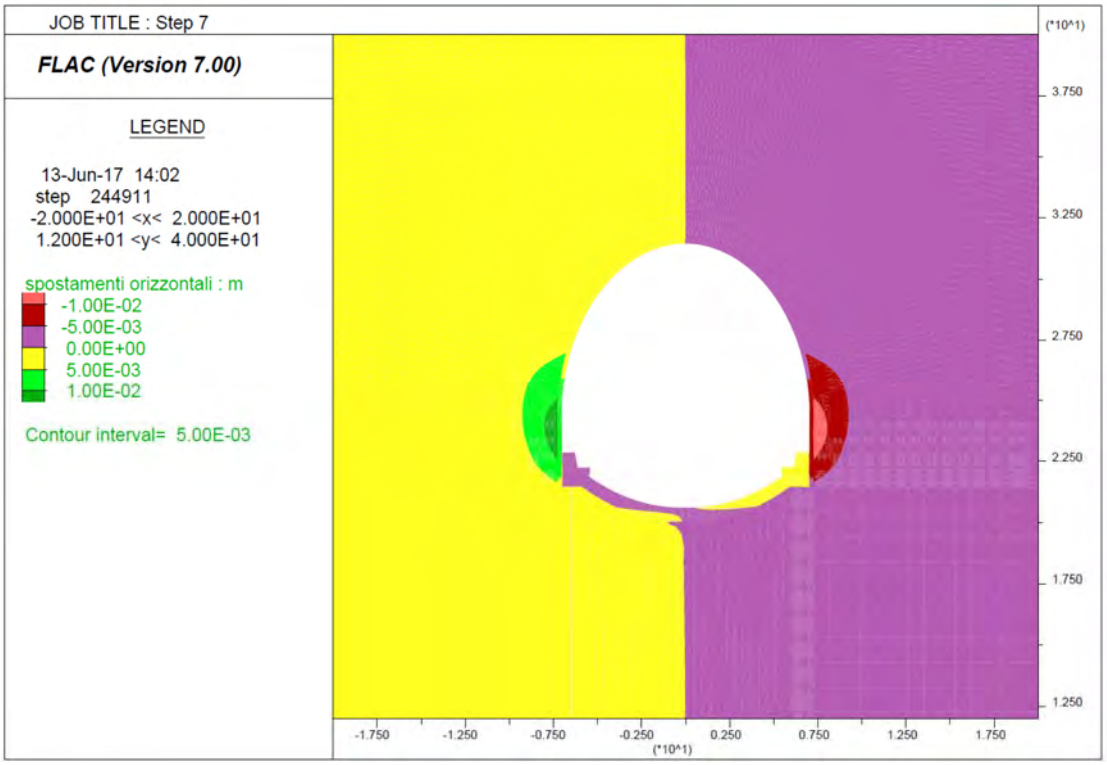


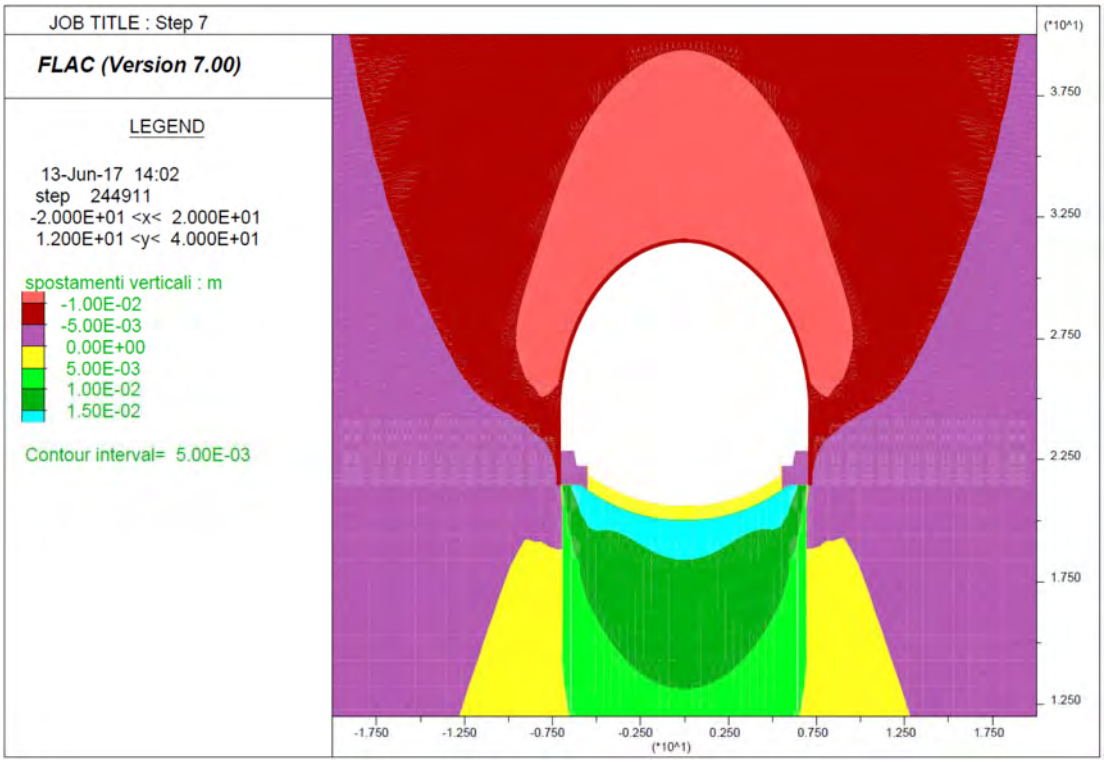

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:02
step 194248
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

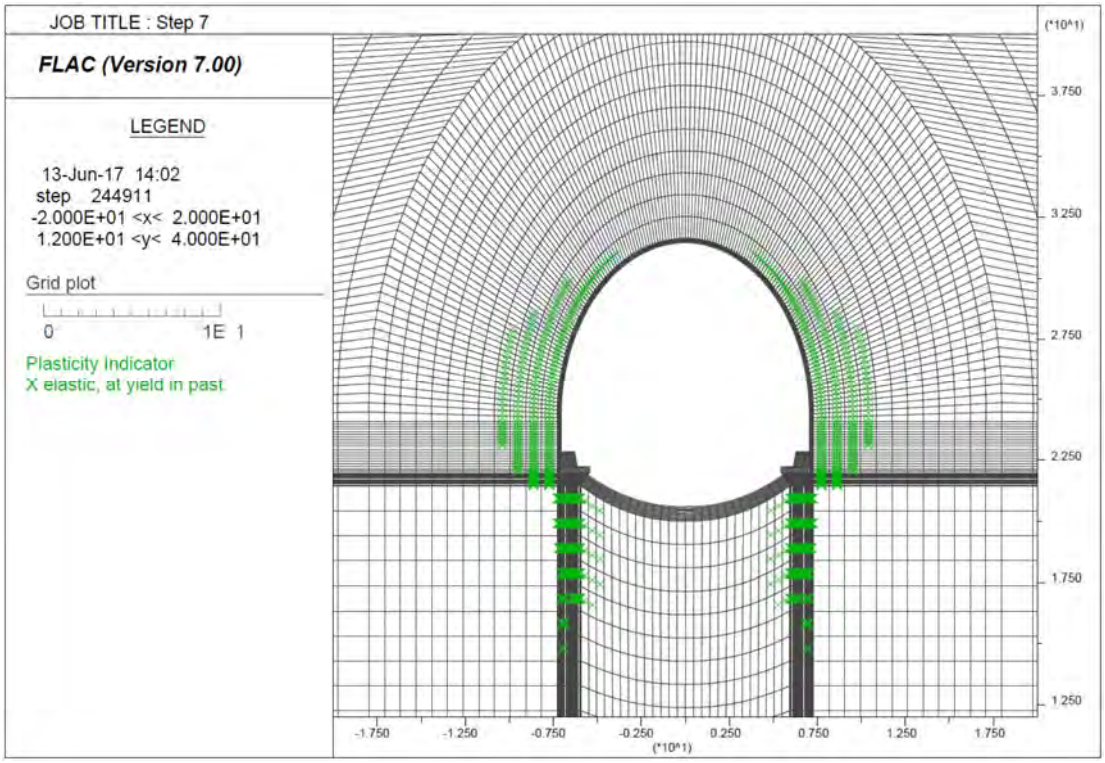

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:02
step 194248
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
o at yield in tension
Grid plot
0
1E 1
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 7 - Getto arco rovescio e muretta a 2D e avanzamento fino a deformazioni esaurite

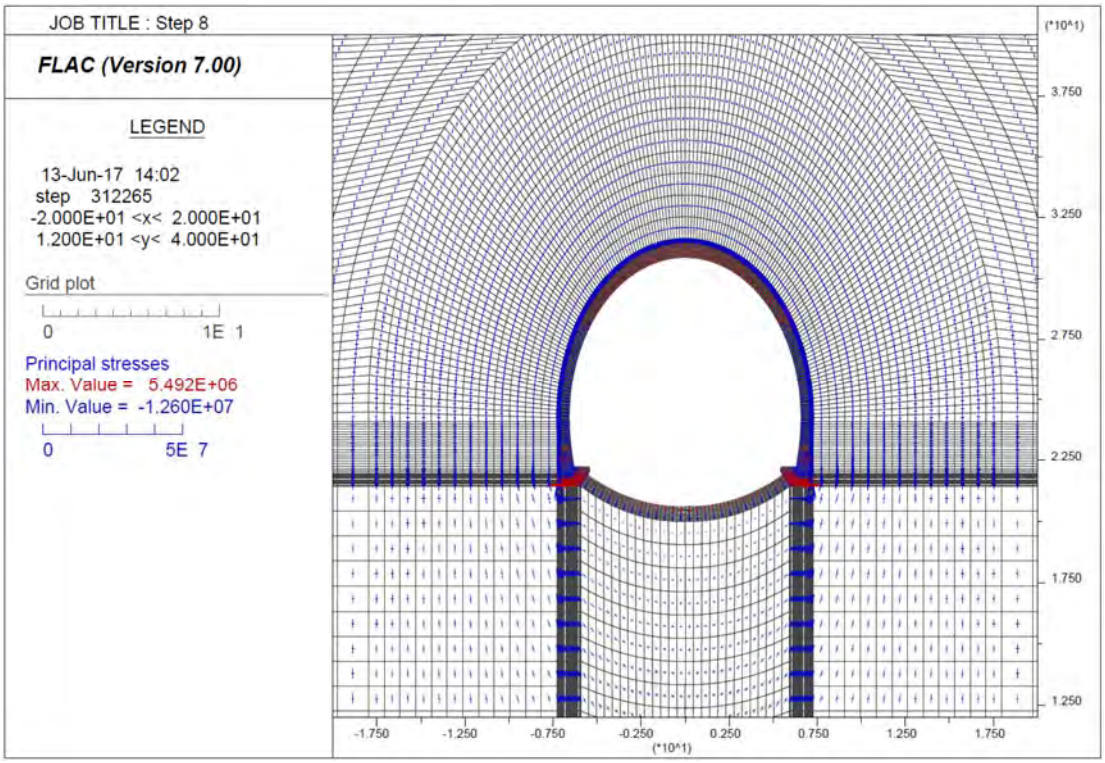


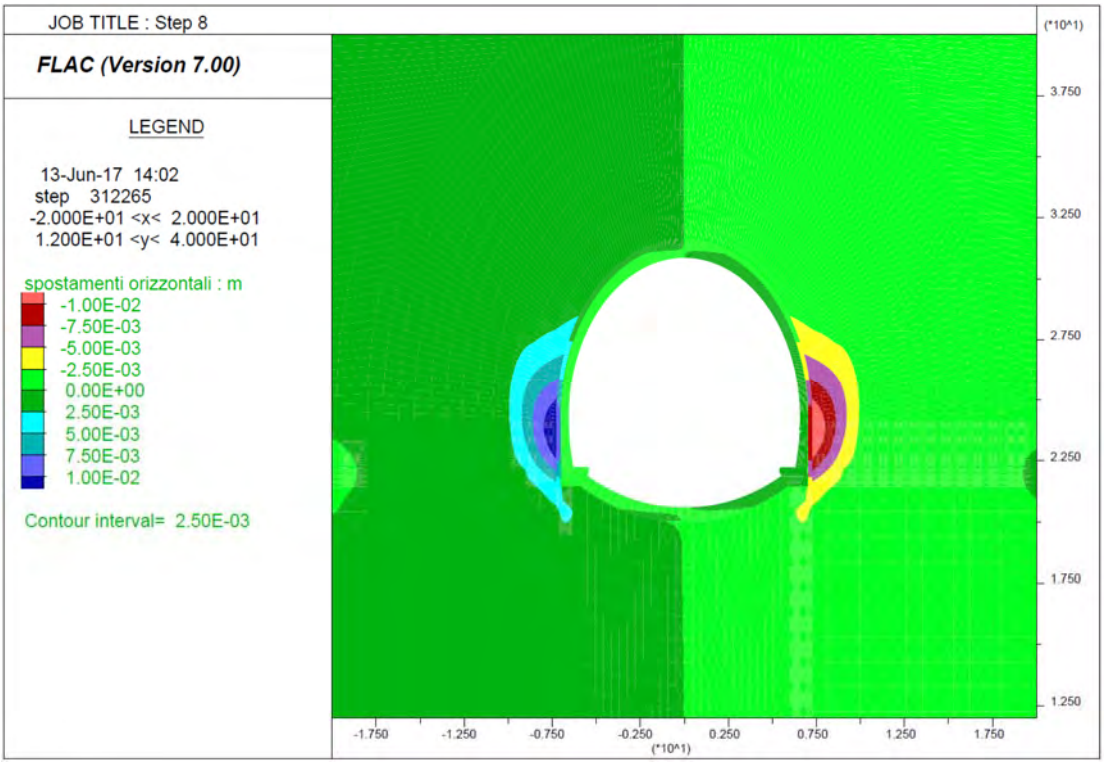


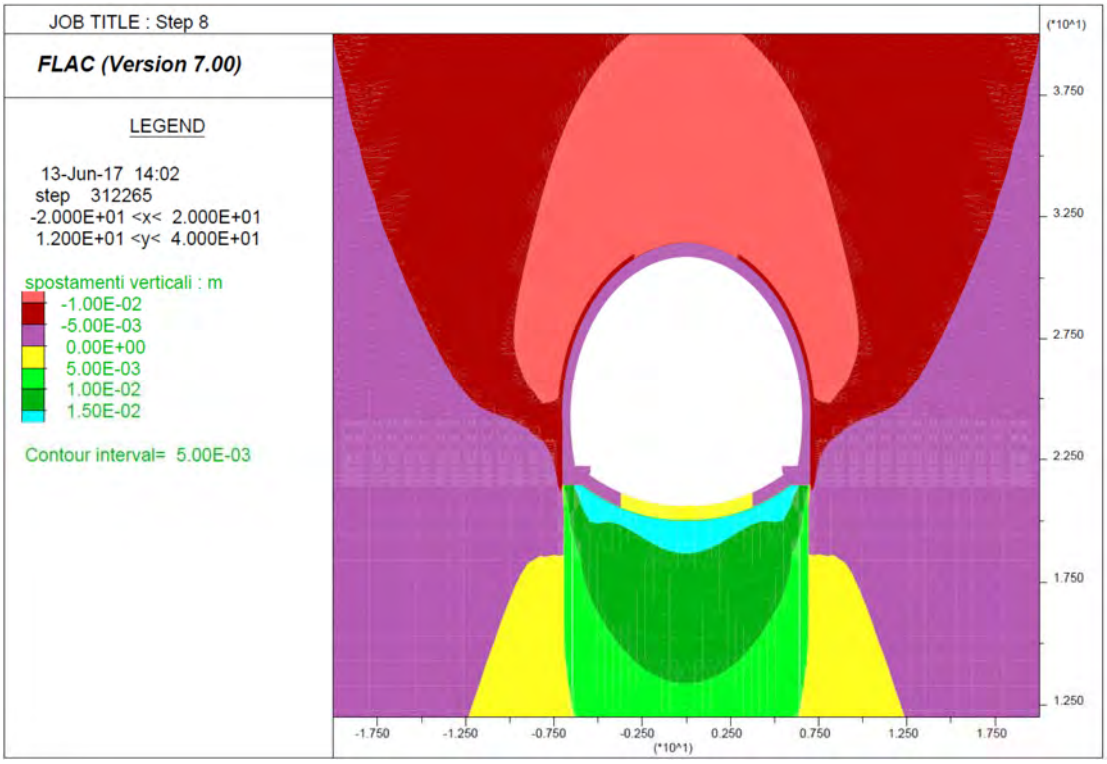

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:02
step 244911
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

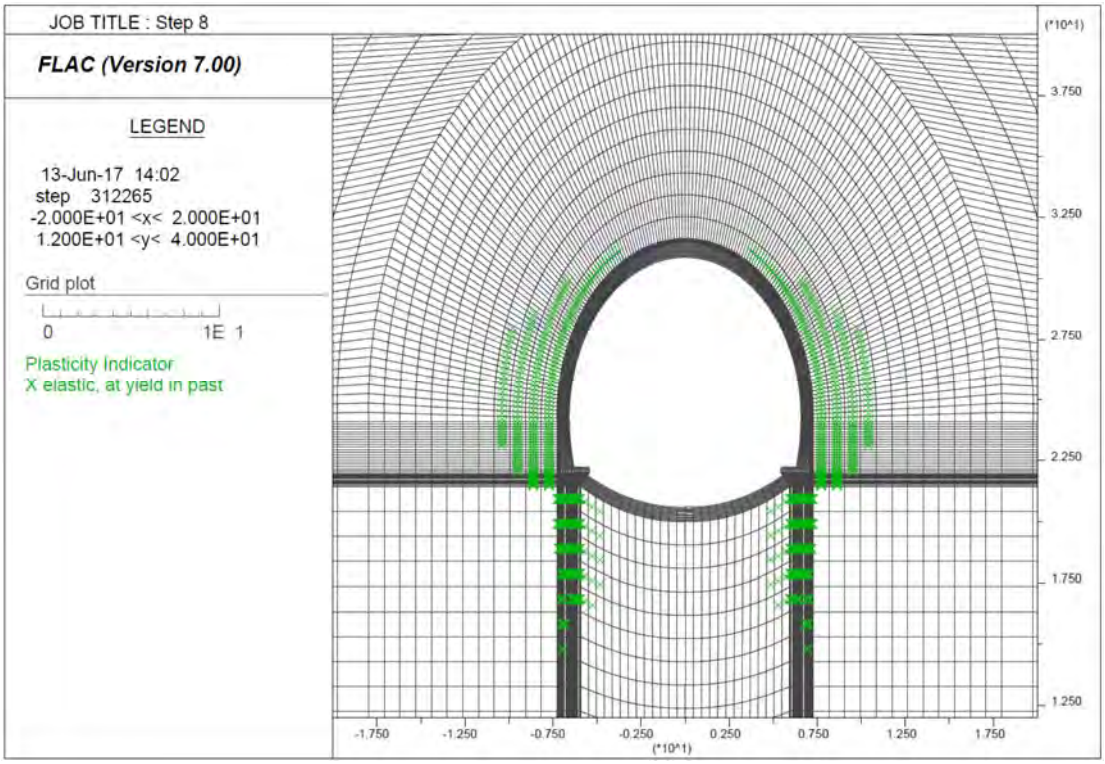

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:02
step 244911
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 8 - Getto Calotta

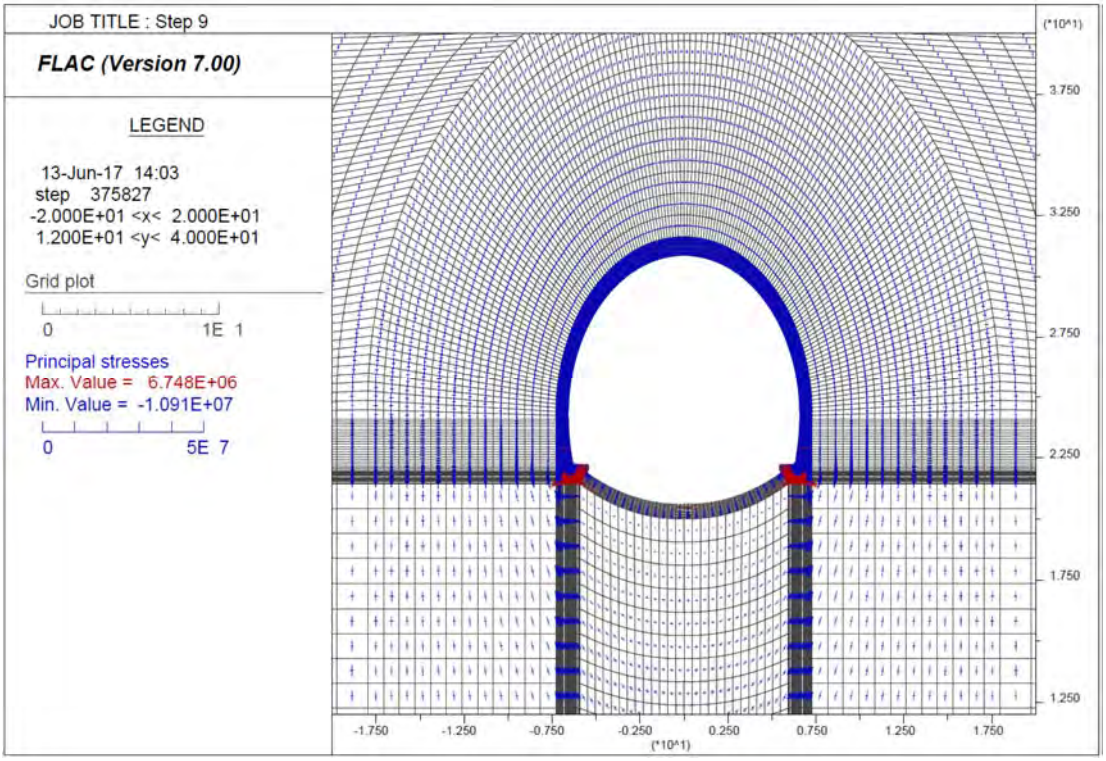


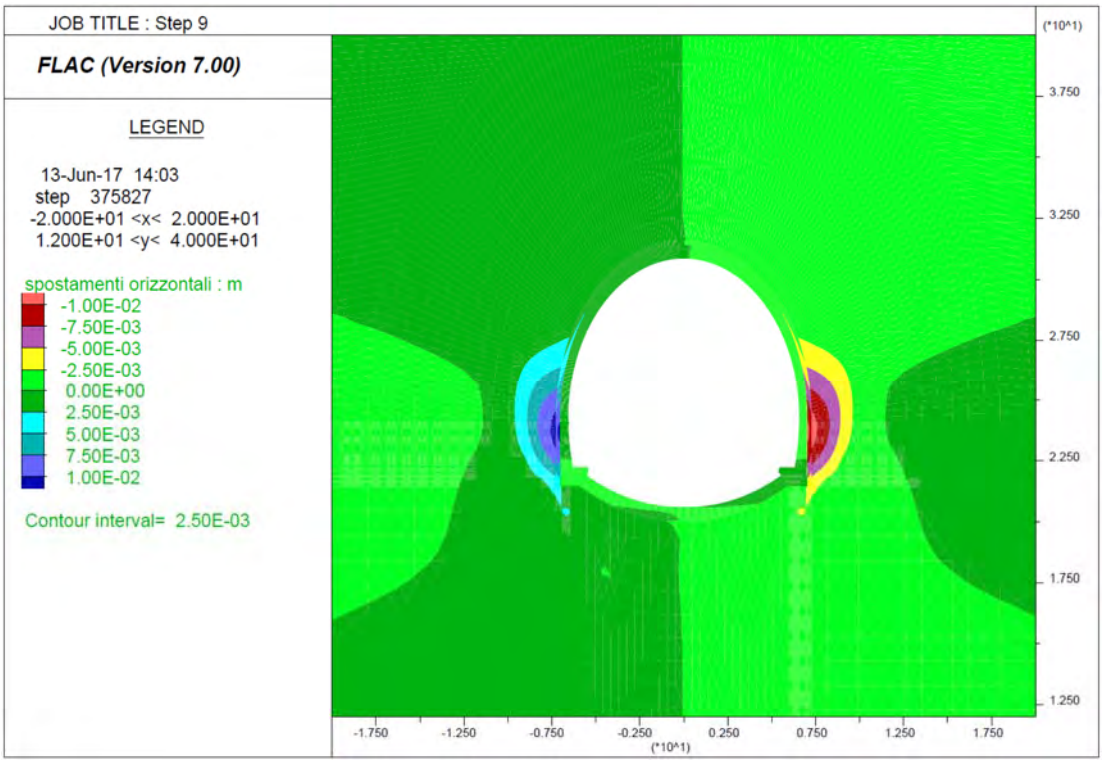


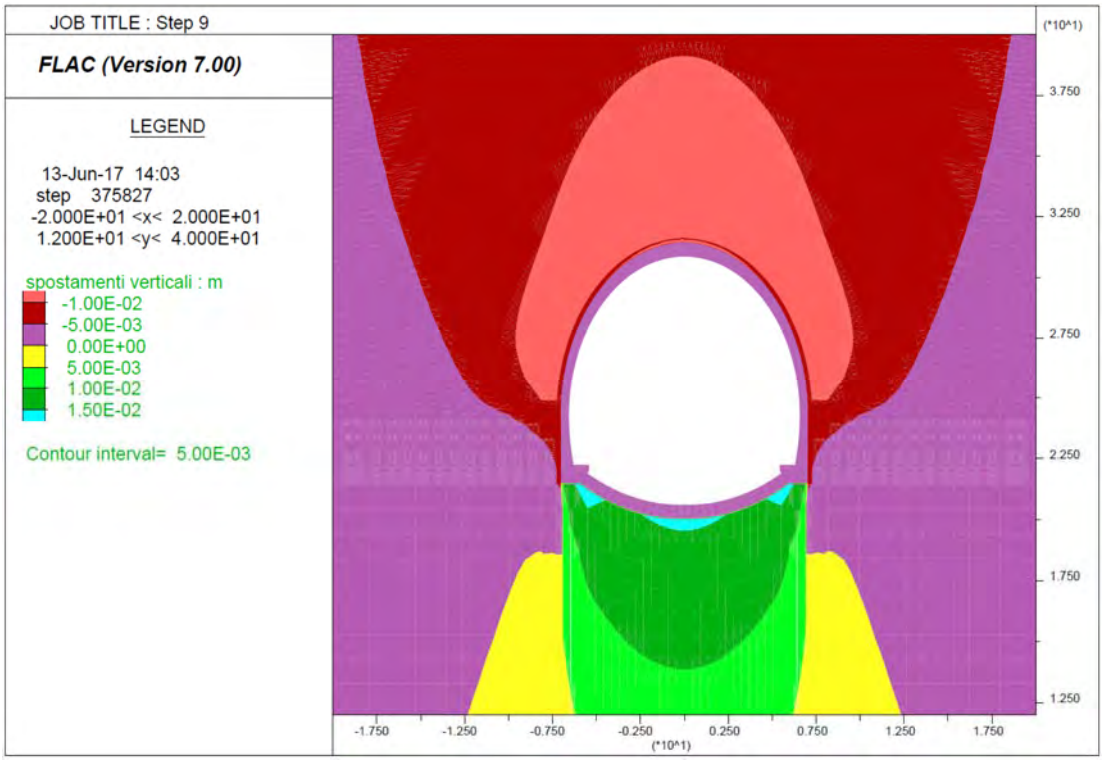

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:02
step 312265
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

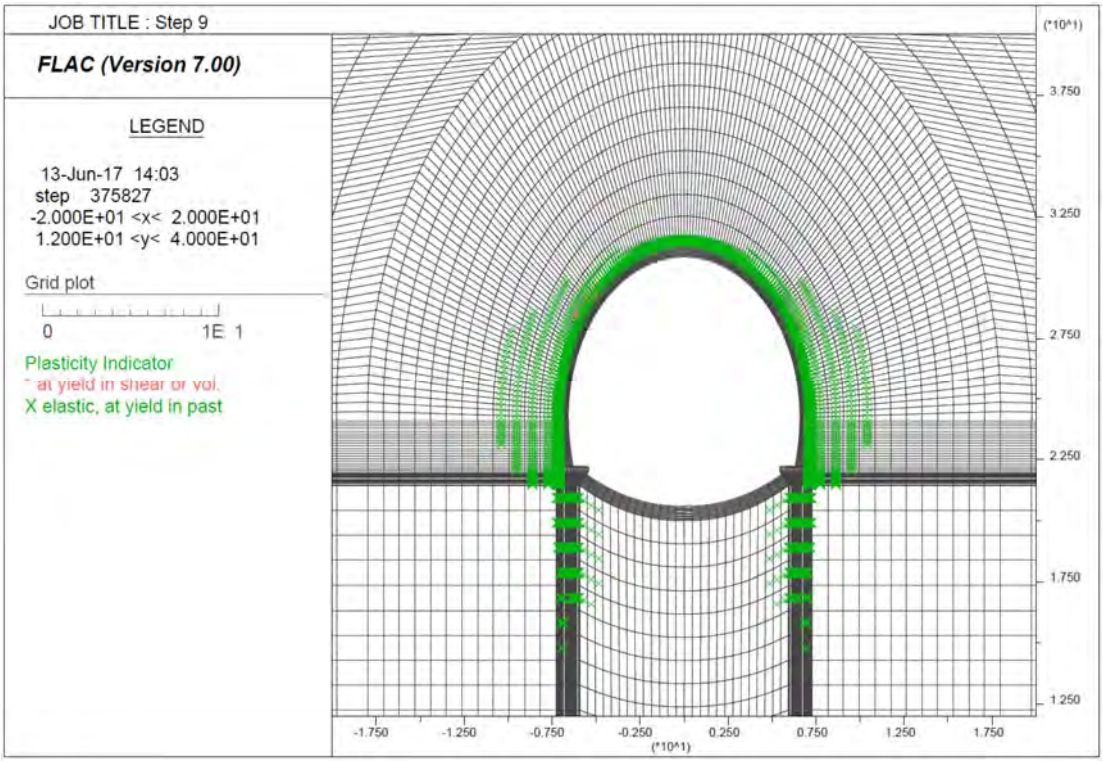

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:02
step 312265
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 9 - Decadimento dei parametri di resistenza del rivestimento provvisorio



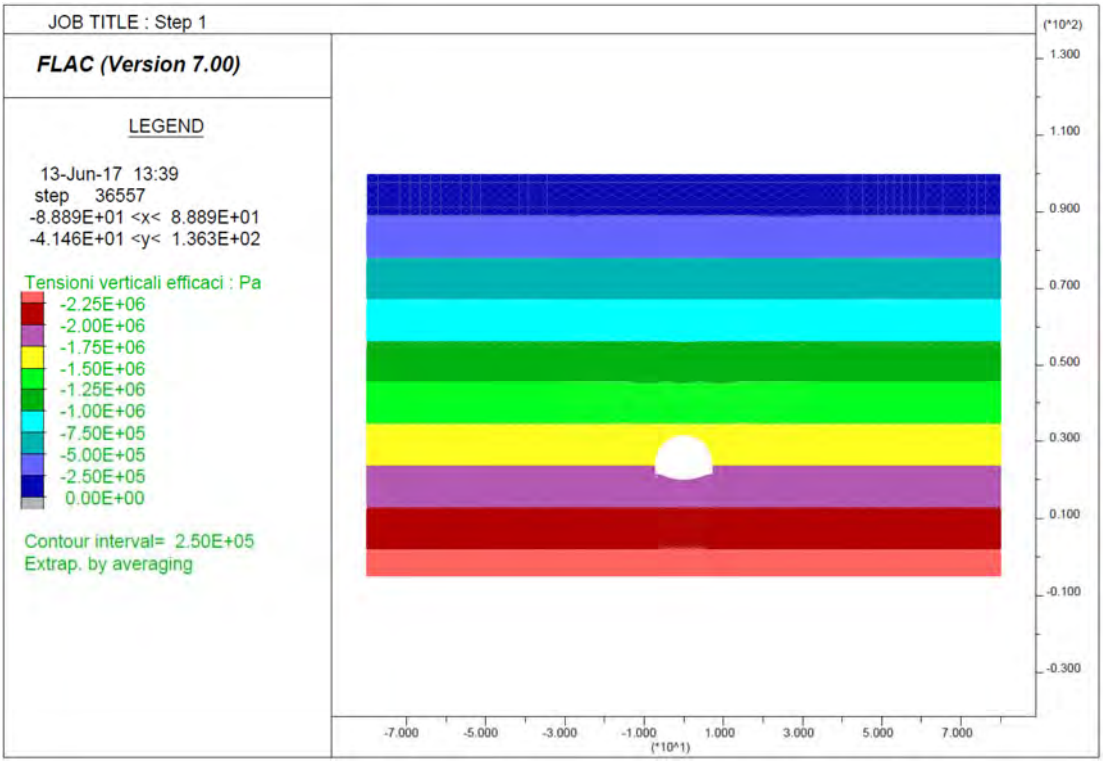


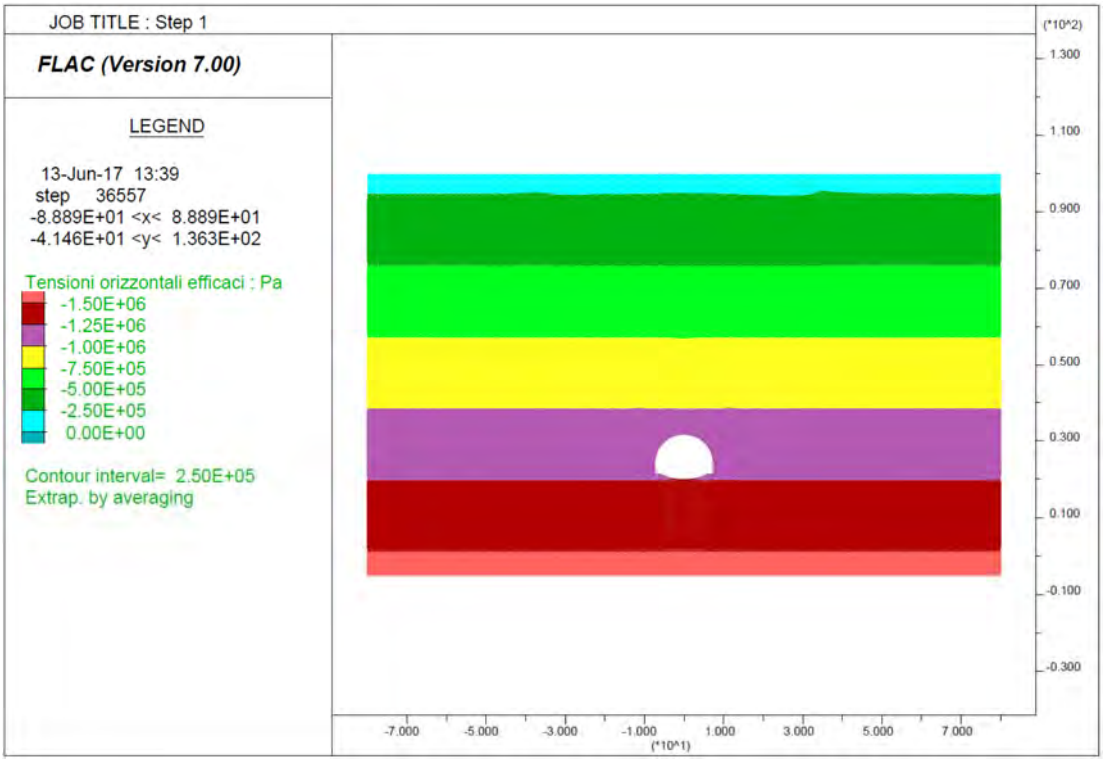

JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:03
step 375827
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)


JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:03
step 375827
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
" at yield in shear or vol.
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

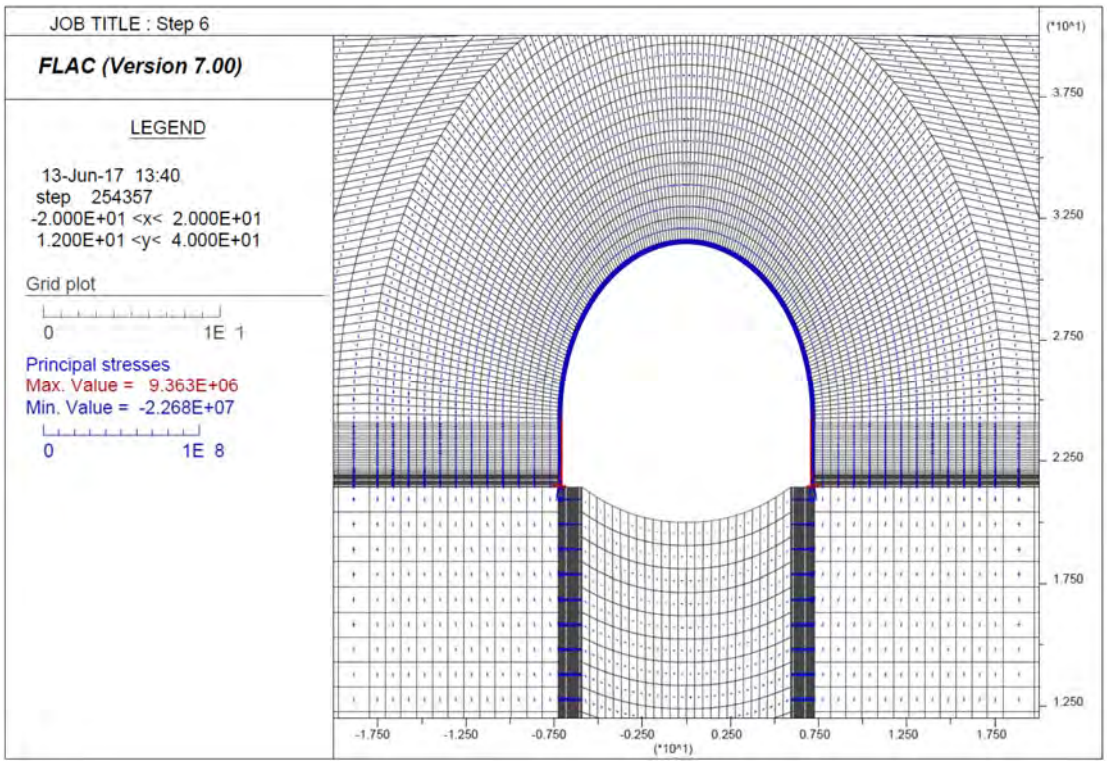
Output Flac – Sezione tipo B0 – Parametri res min – Copertura di calcolo = 70 m

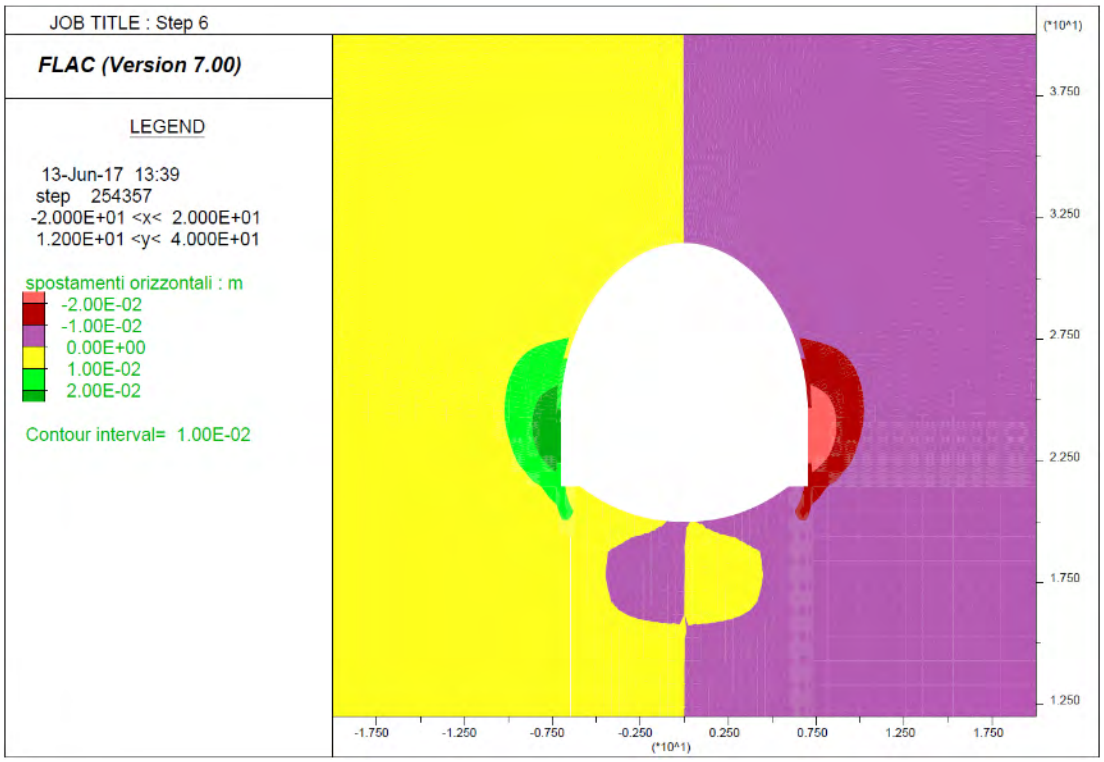
Step 1 – Tensioni litostatiche

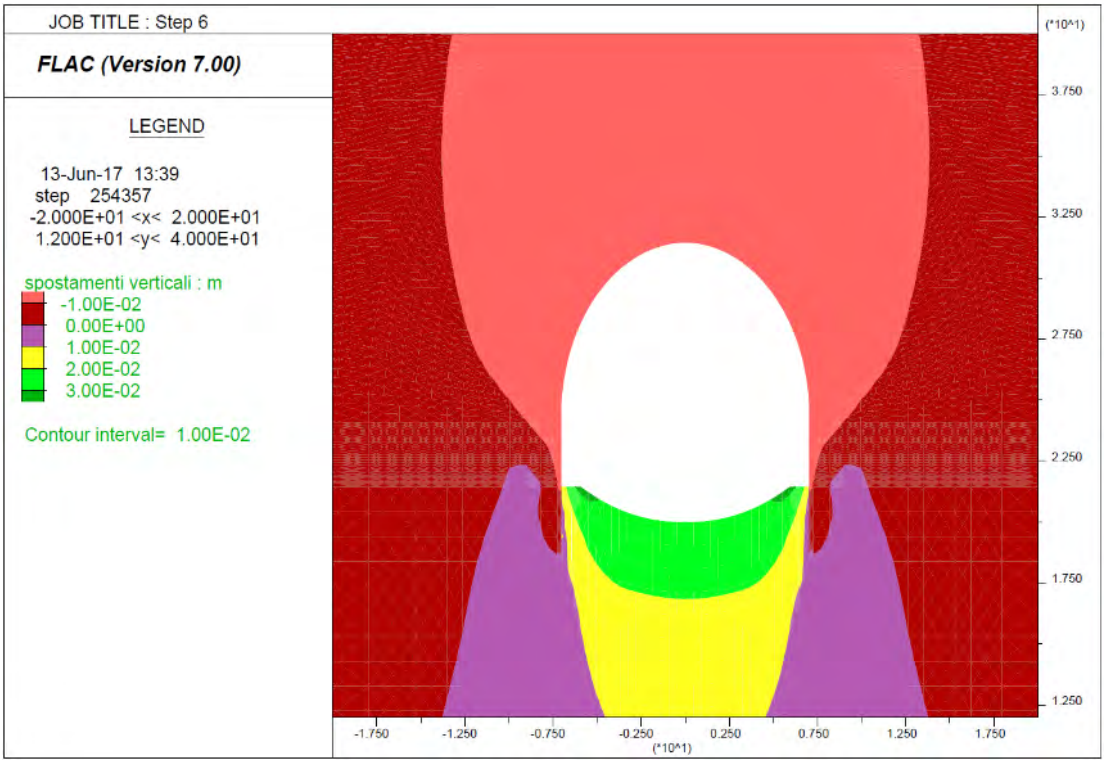


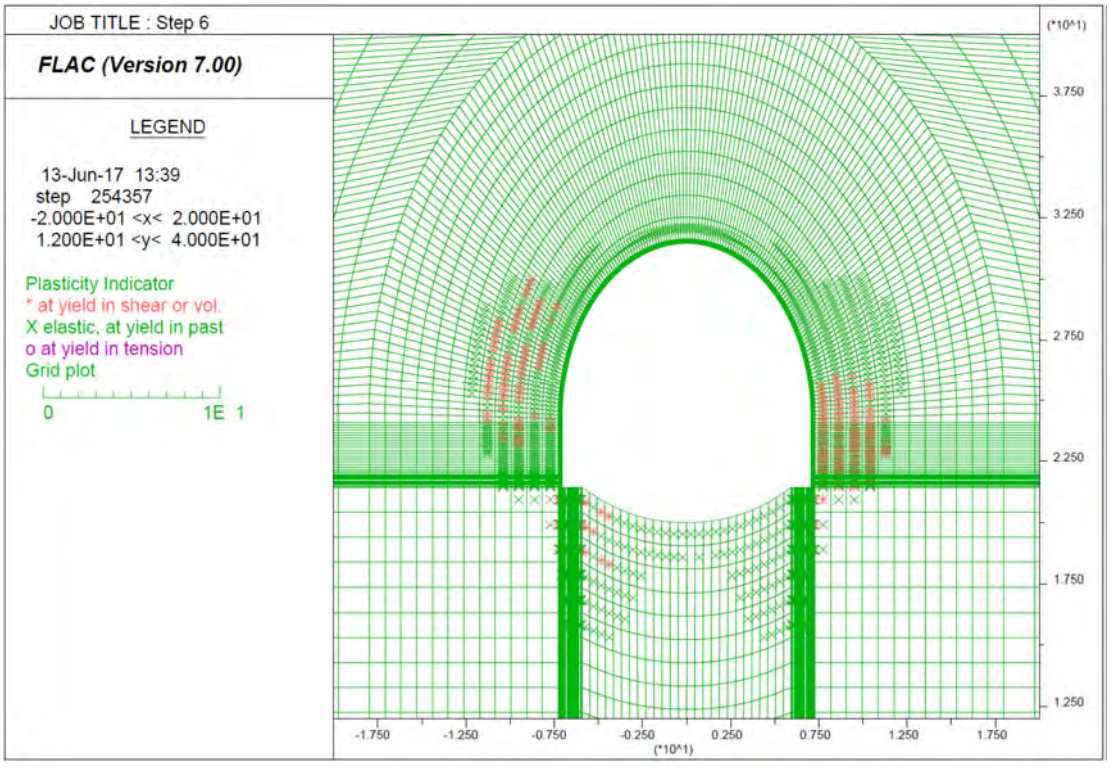


Step 6 – Avanzamento fino a deformazioni esaurite

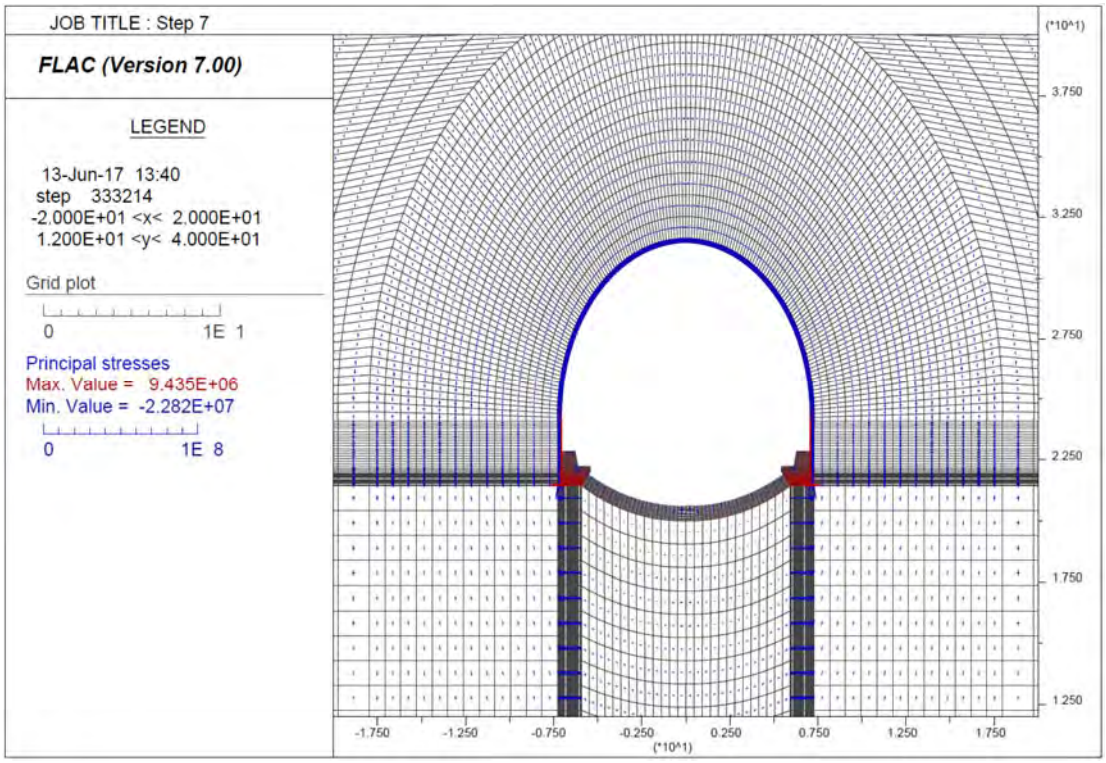


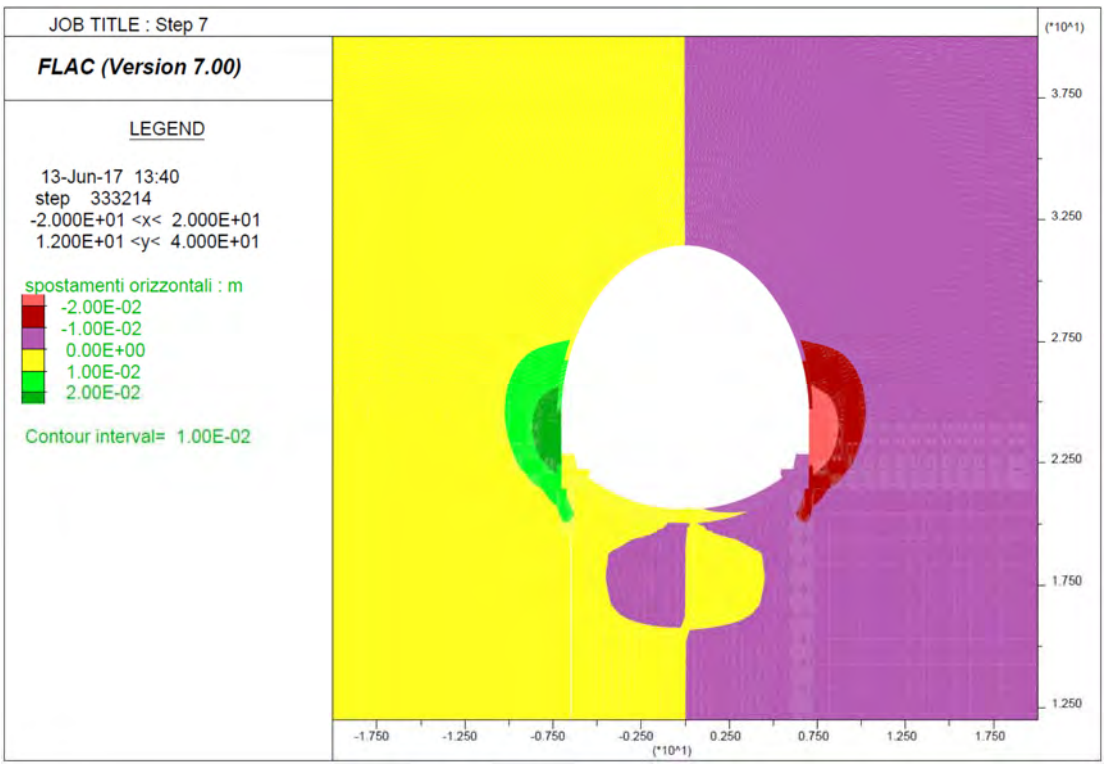


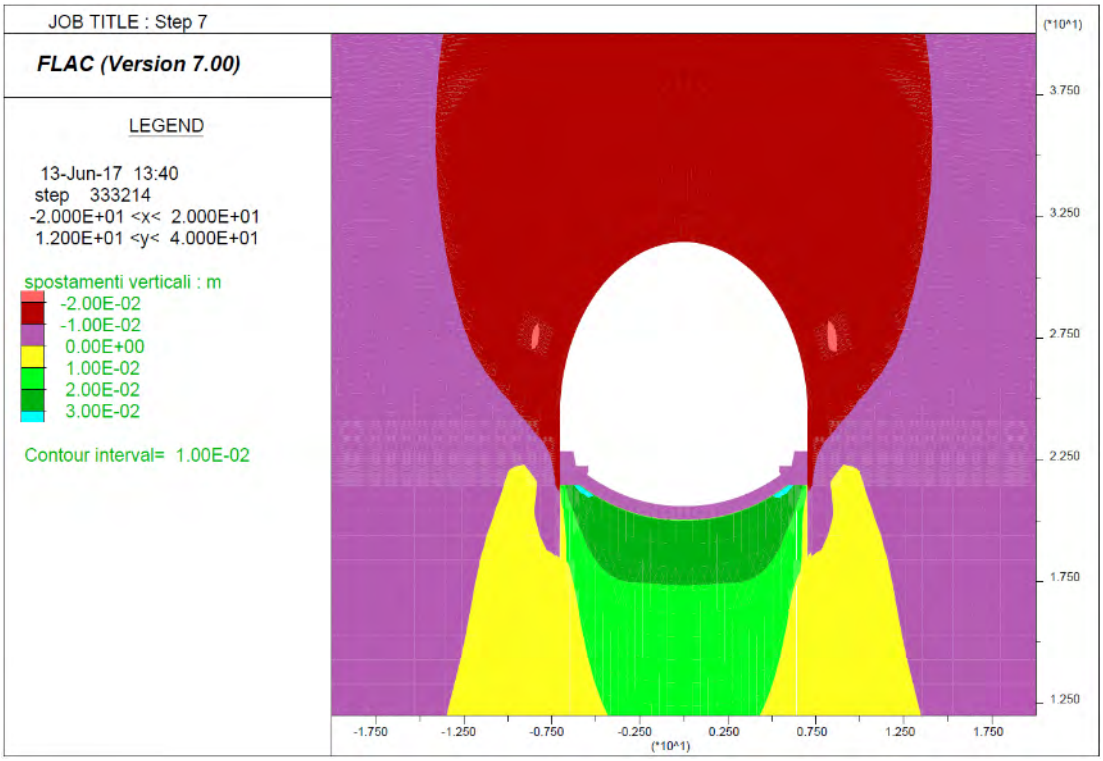

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:39
step 254357
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

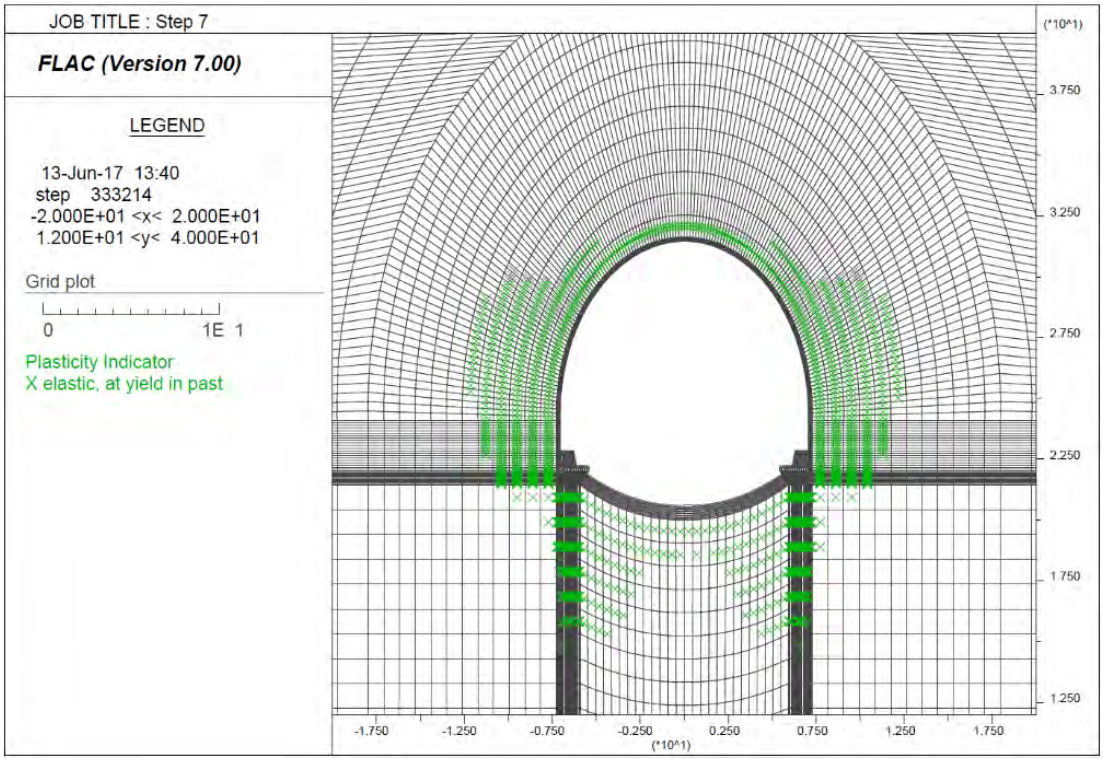

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:39
step 254357
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
o at yield in tension
Grid plot
0
1E 1
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 7 - Getto arco rovescio e muretta

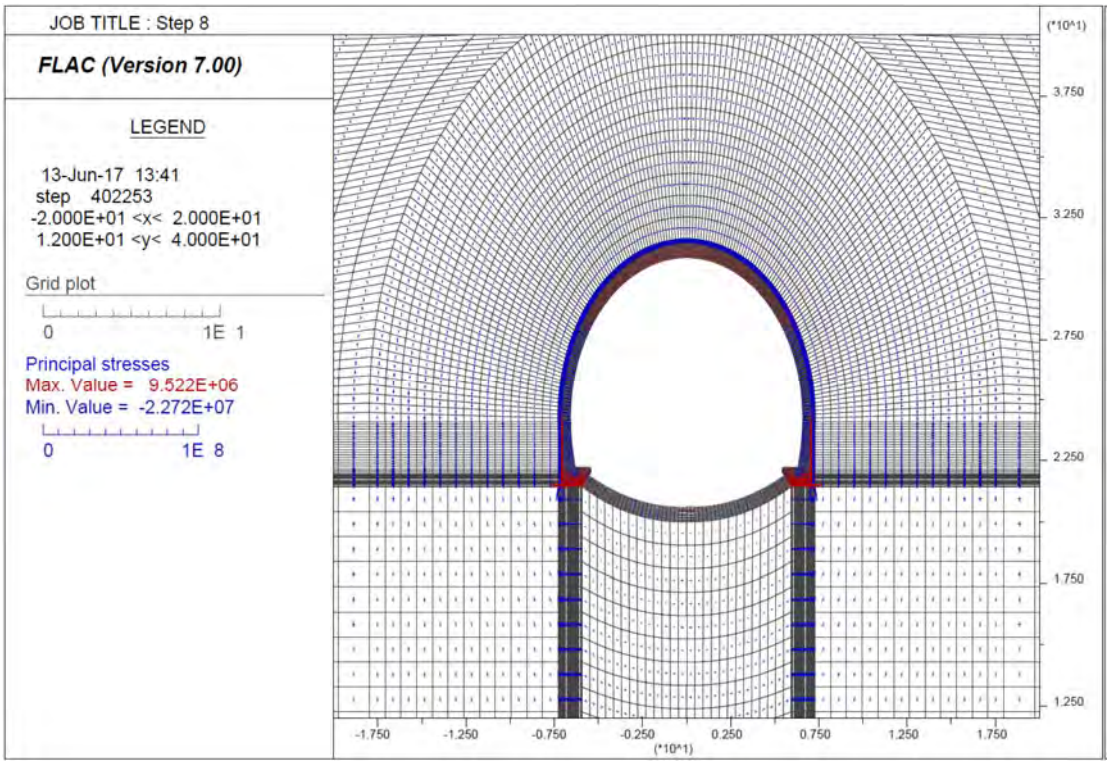


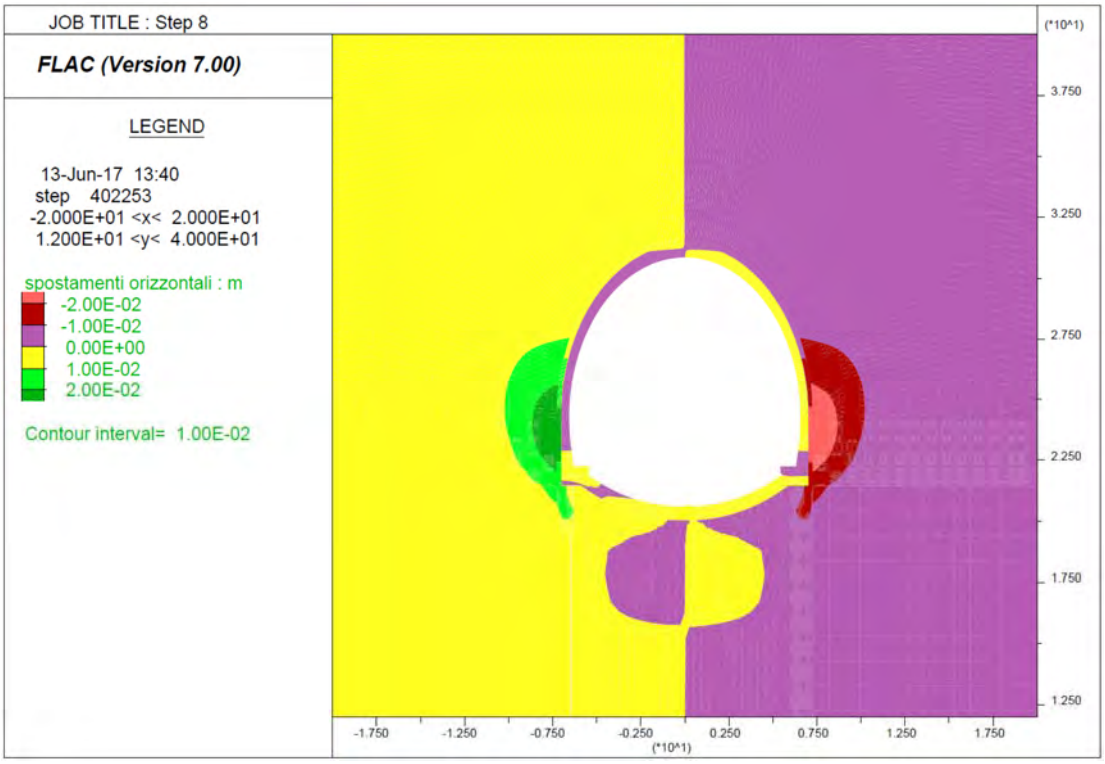


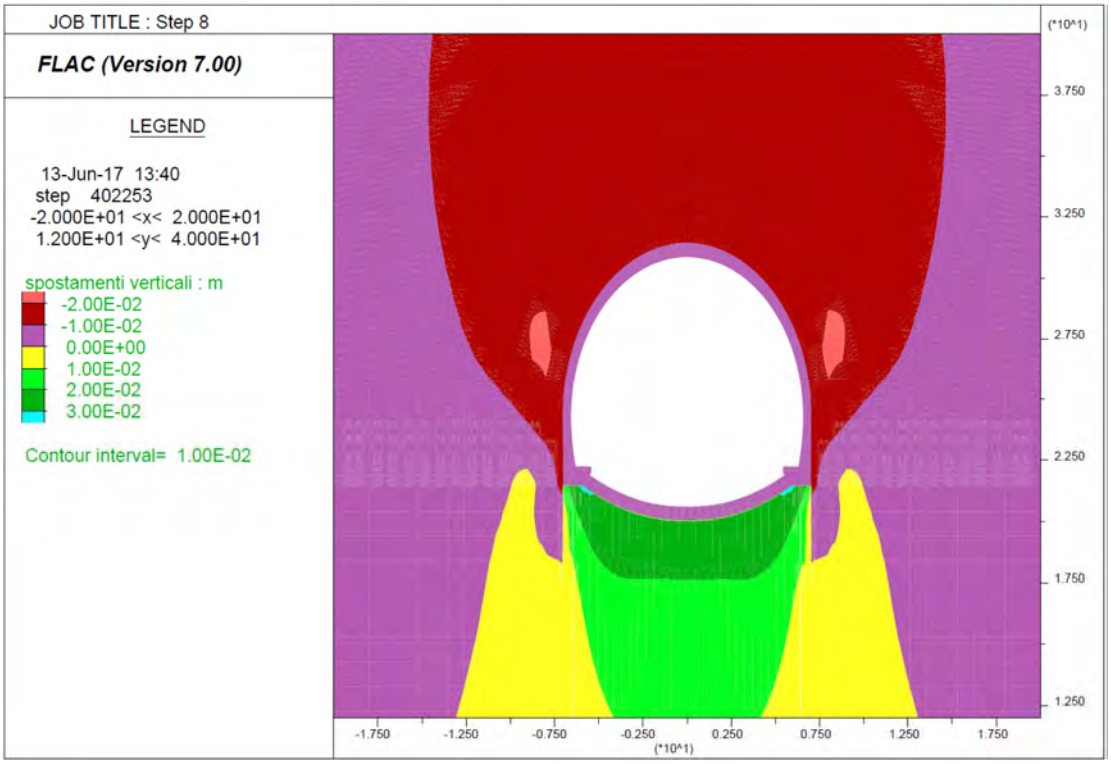

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:40
step 333214
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-2.00E-02
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

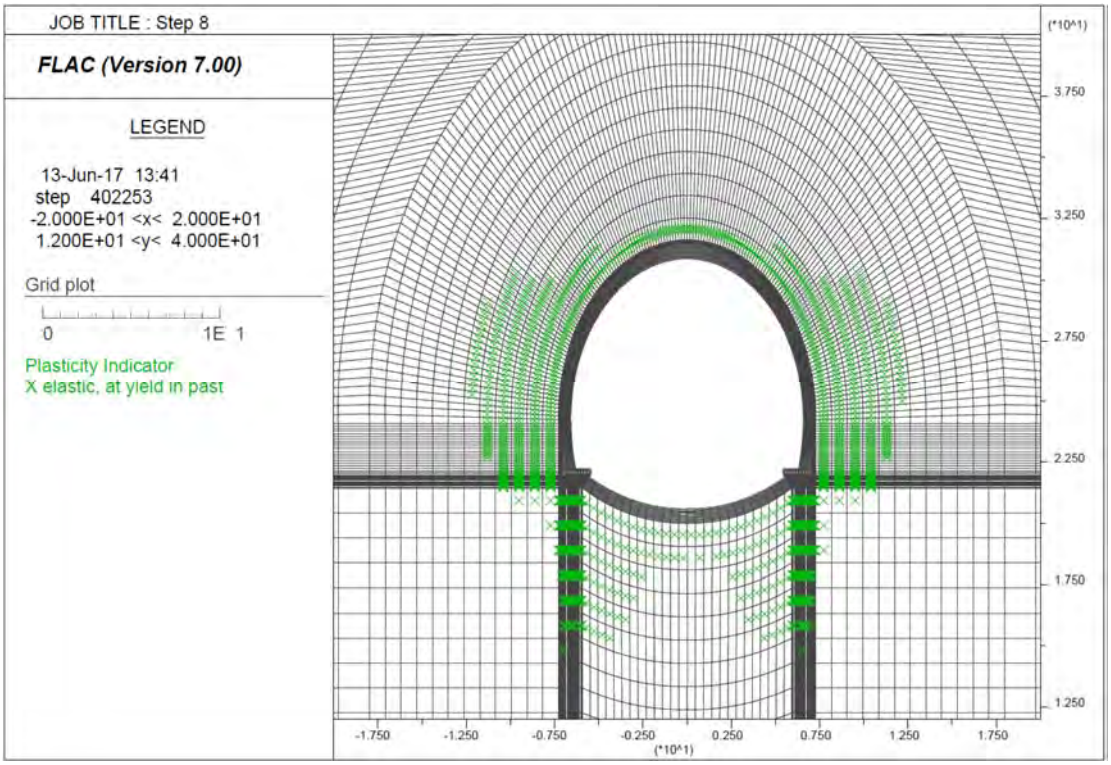

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:40
step 333214
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 8 - Getto Calotta

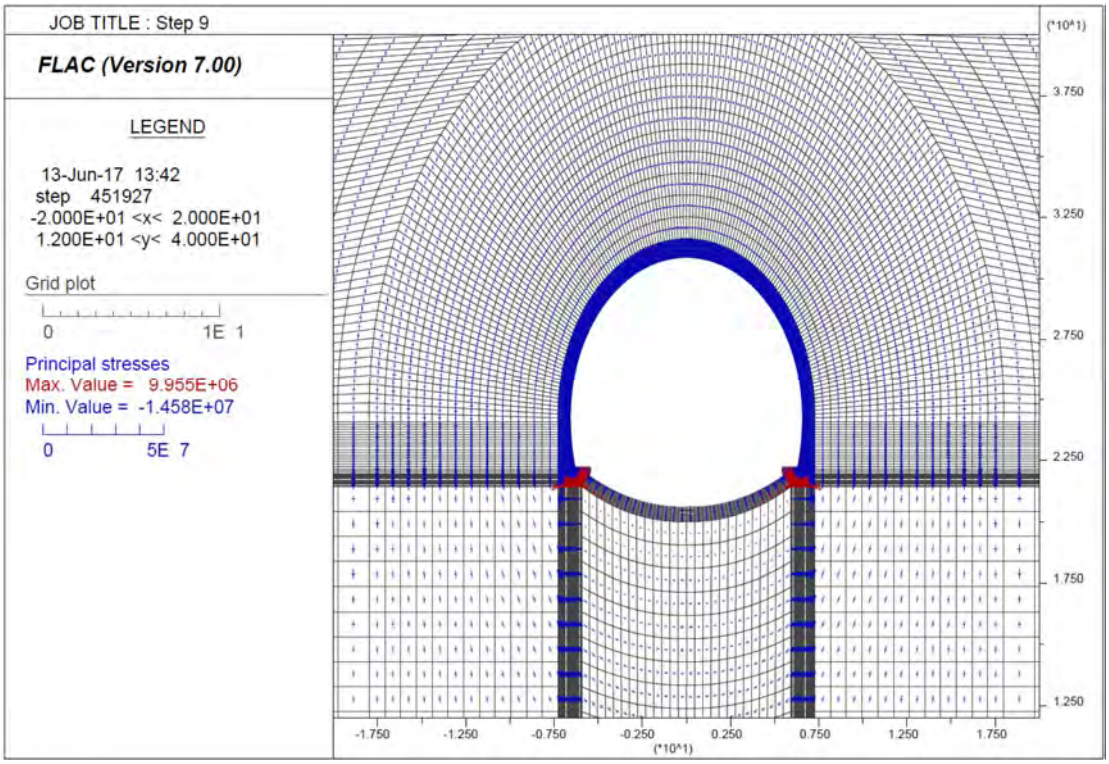


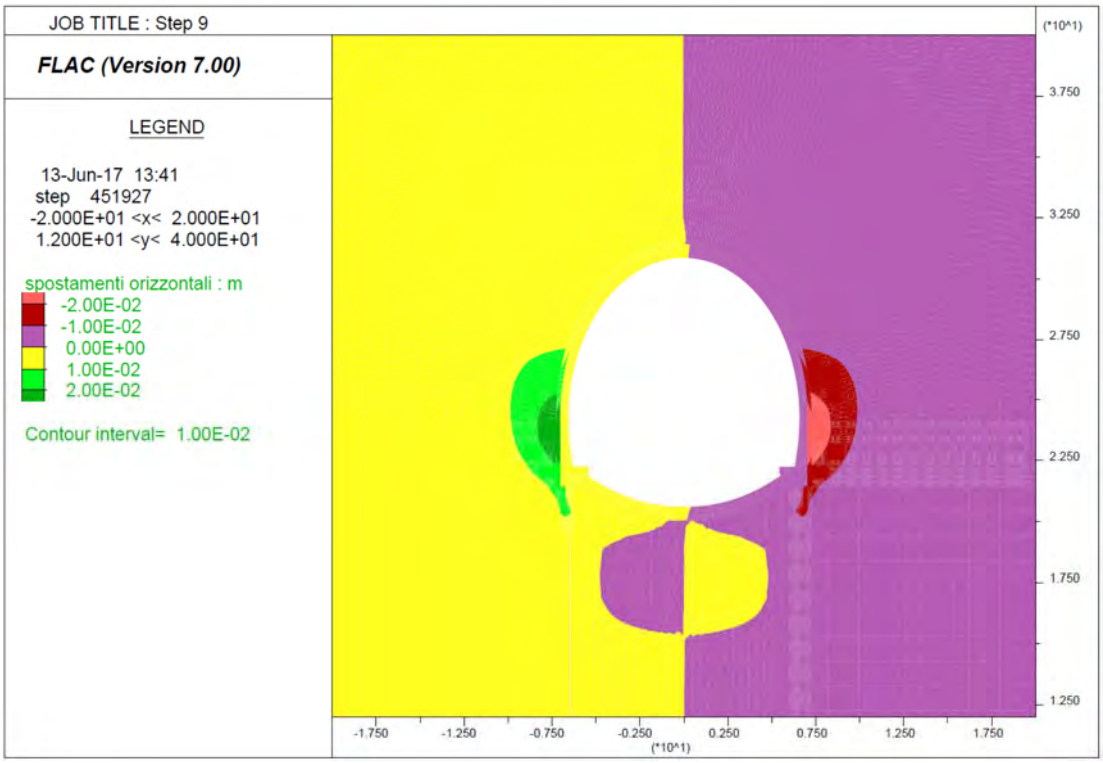


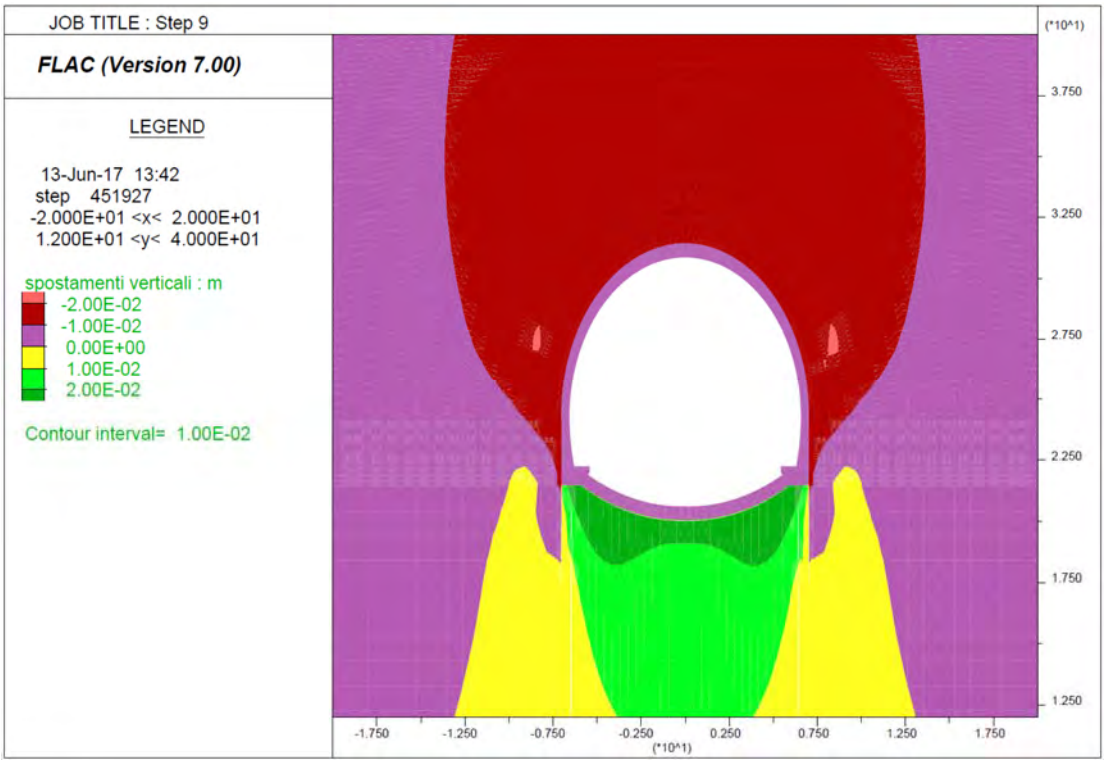

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:40
step 402253
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-2.00E-02
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

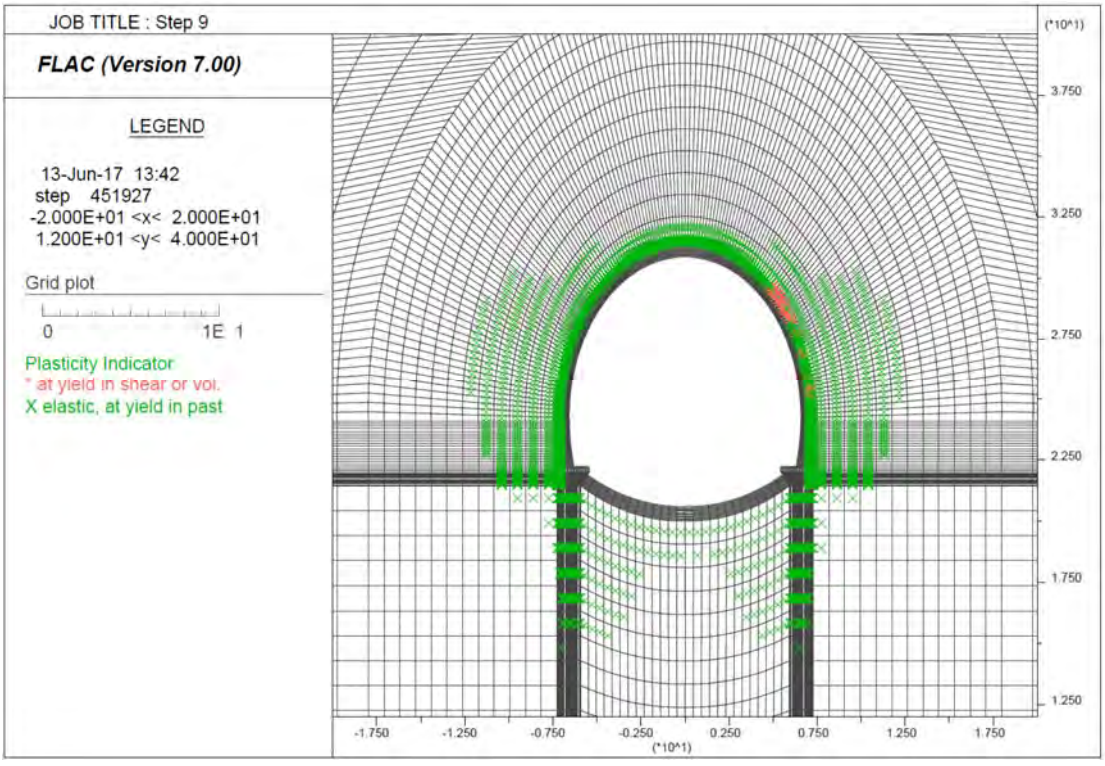

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:41
step 402253
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 9 - Decadimento dei parametri di resistenza del rivestimento provvisorio



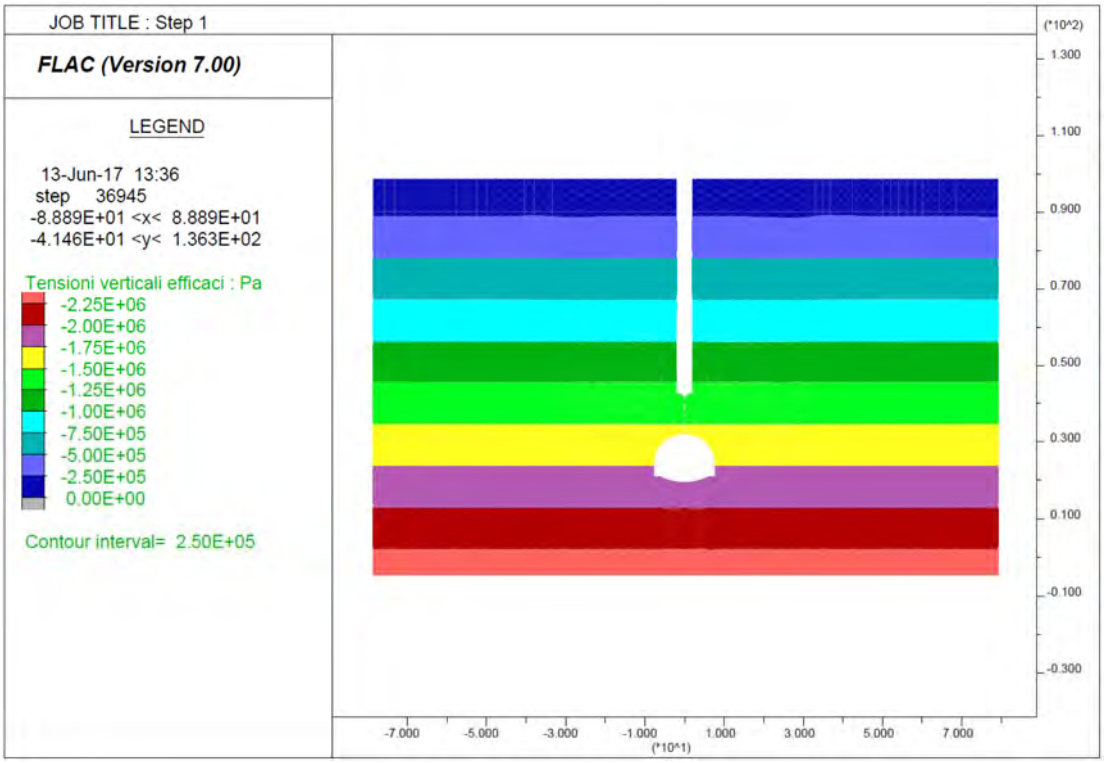


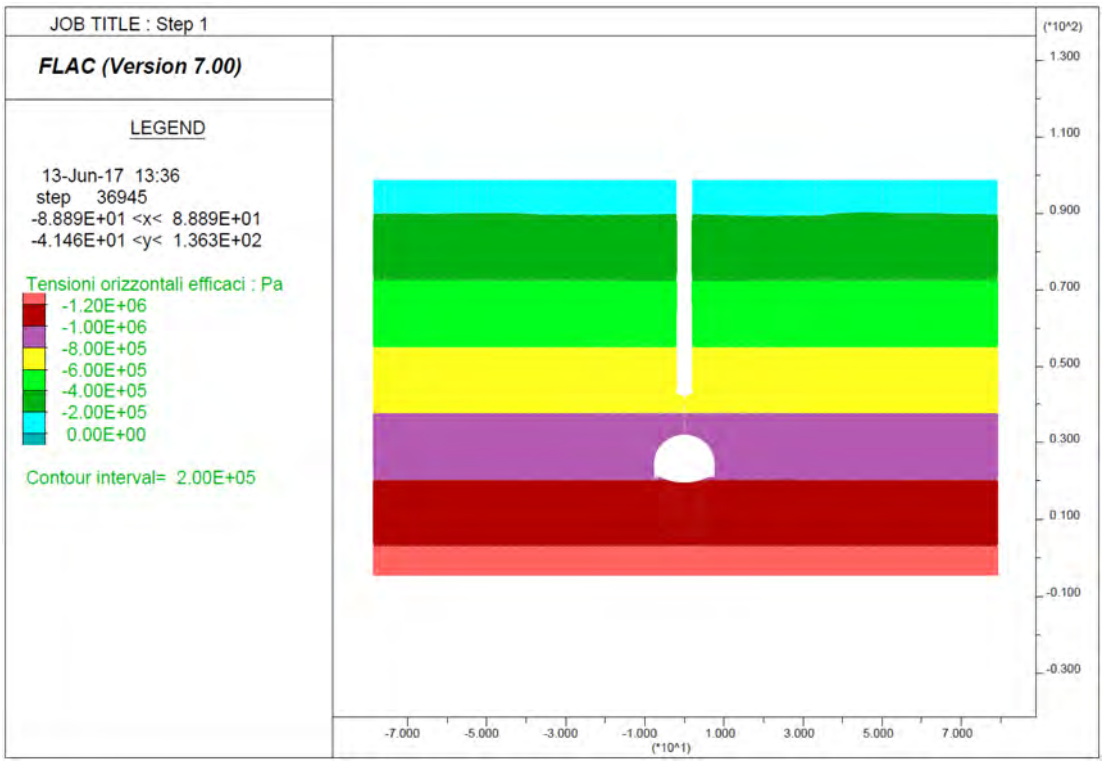

JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:42
step 451927
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-2.00E-02
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)


JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:42
step 451927
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

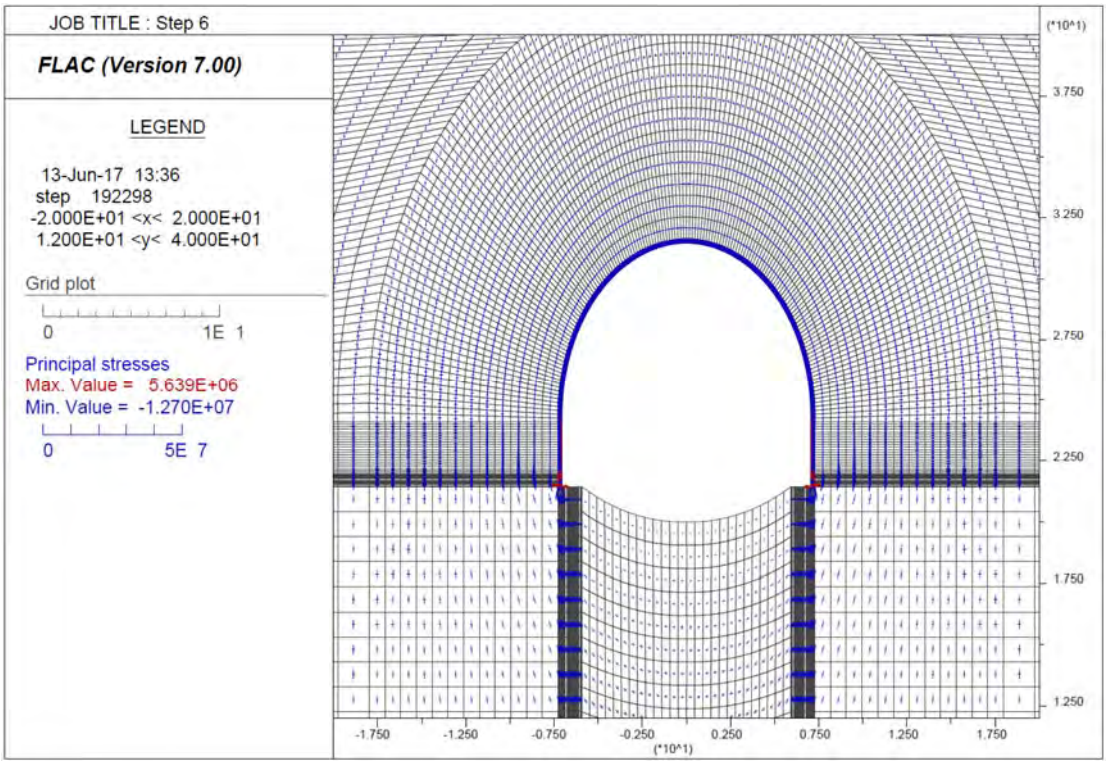
Output Flac – Sezione tipo B0 – Parametri res max – Copertura di calcolo = 70 m

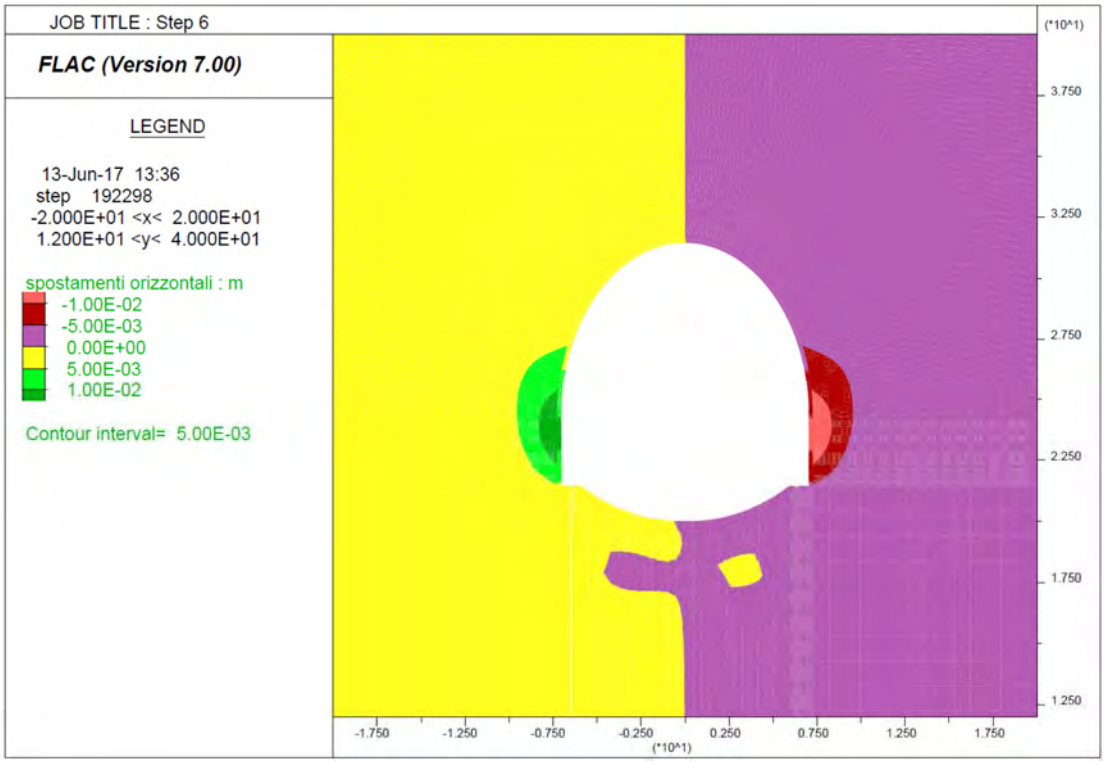
Step 1 – Tensioni litostatiche

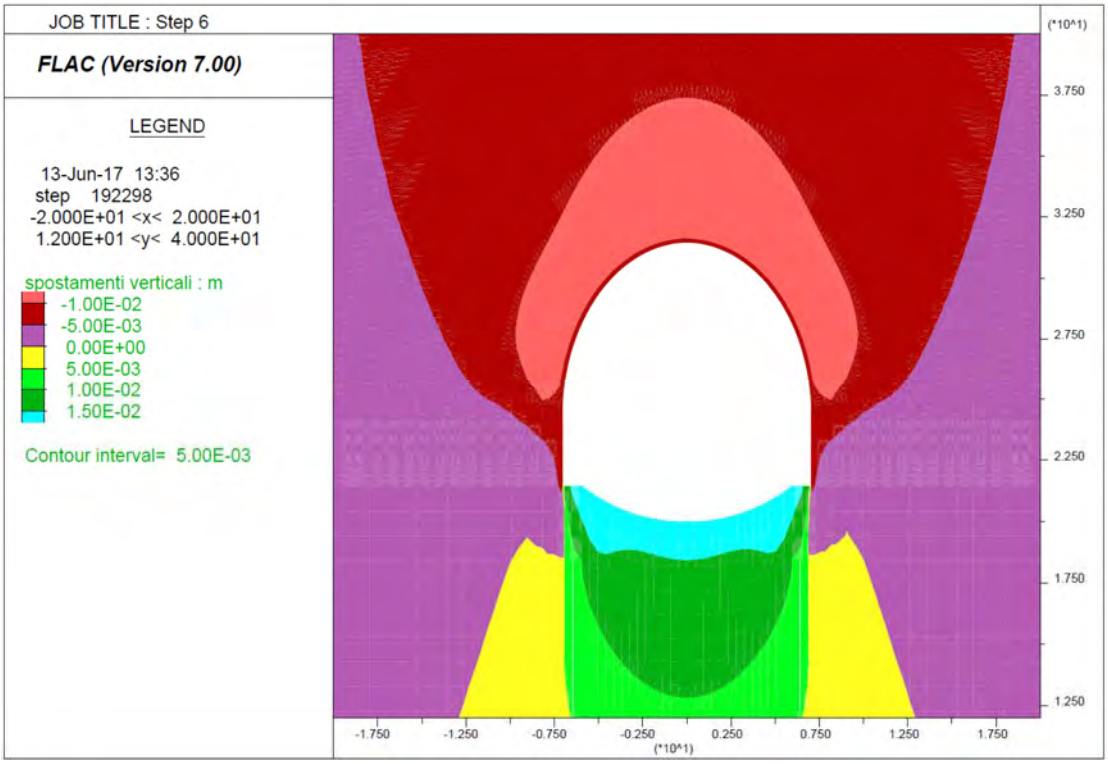


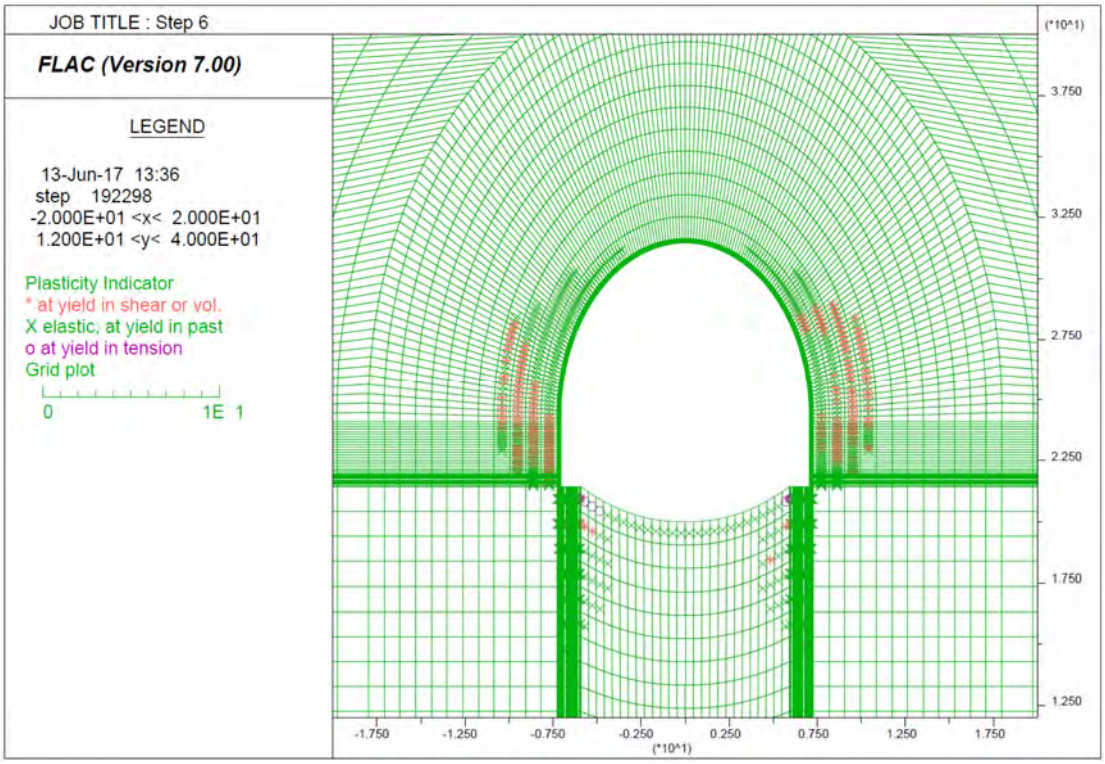


Step 6 – Avanzamento fino a deformazioni esaurite

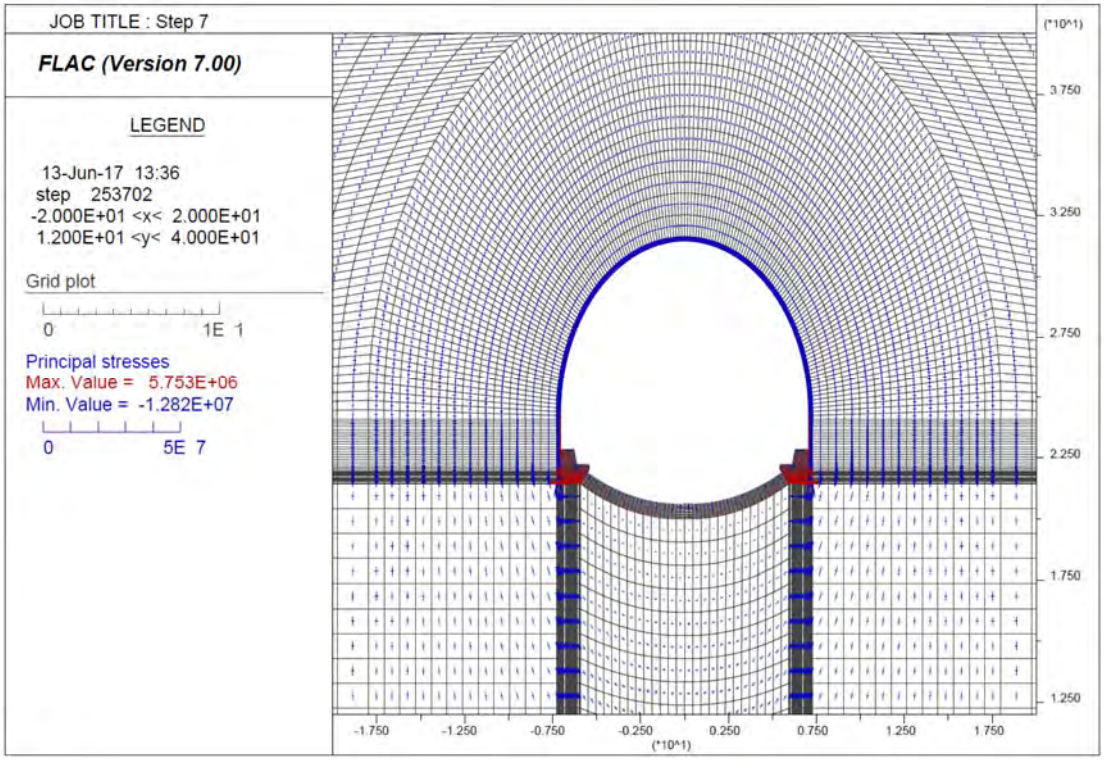


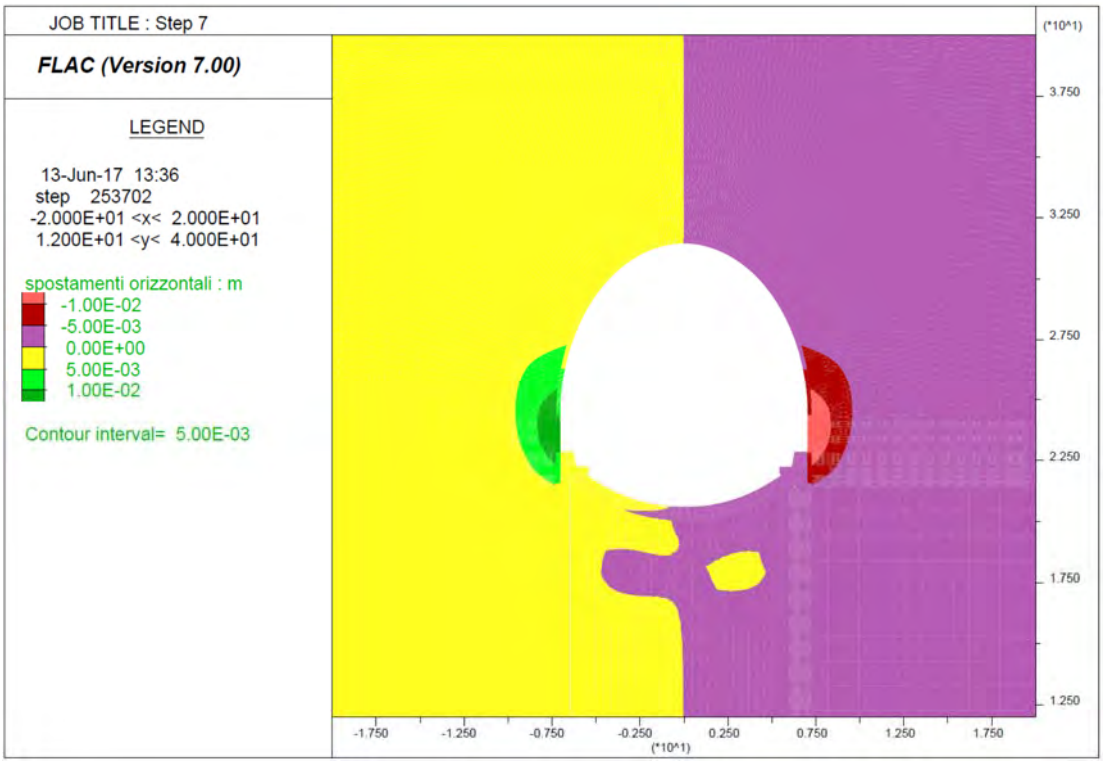


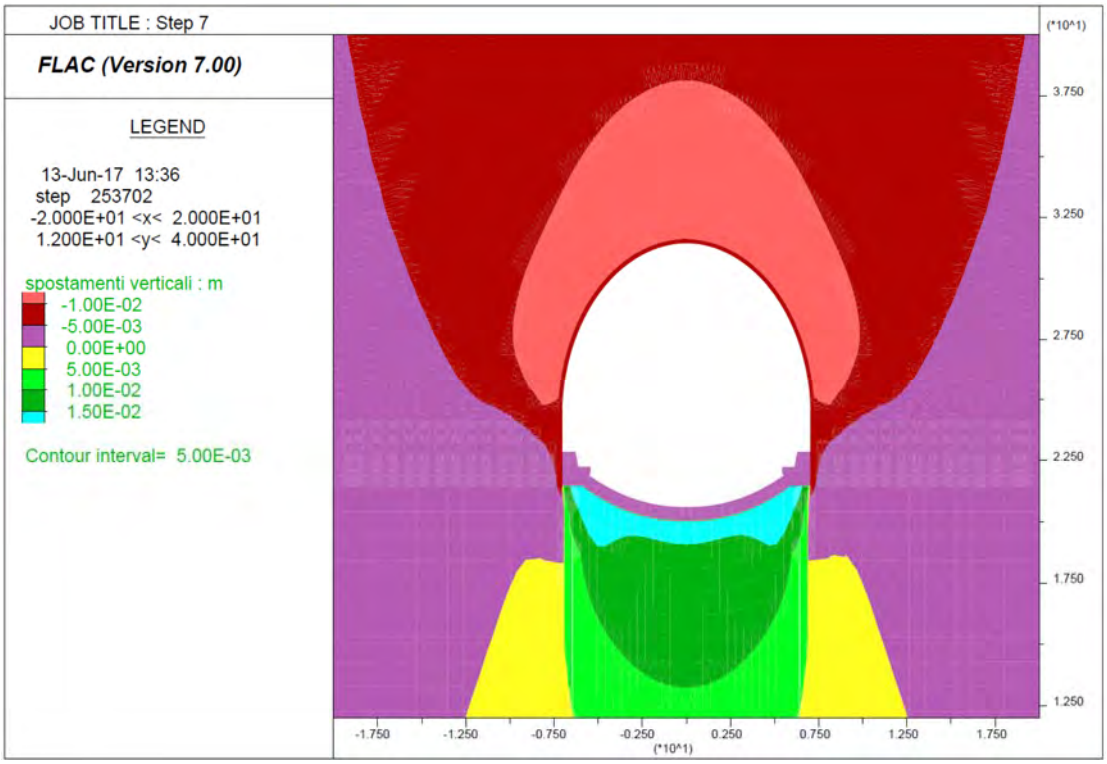

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:36
step 192298
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

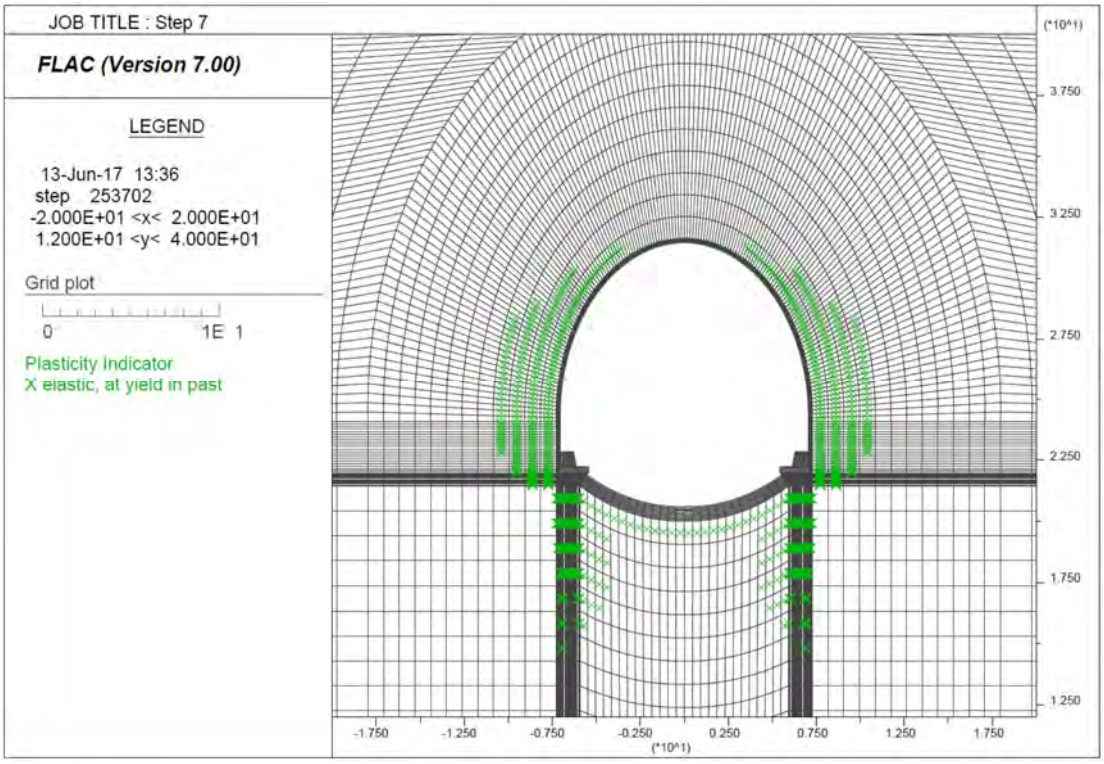

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:36
step 192298
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
o at yield in tension
Grid plot
0
1E 1
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 7 - Getto arco rovescio e muretta

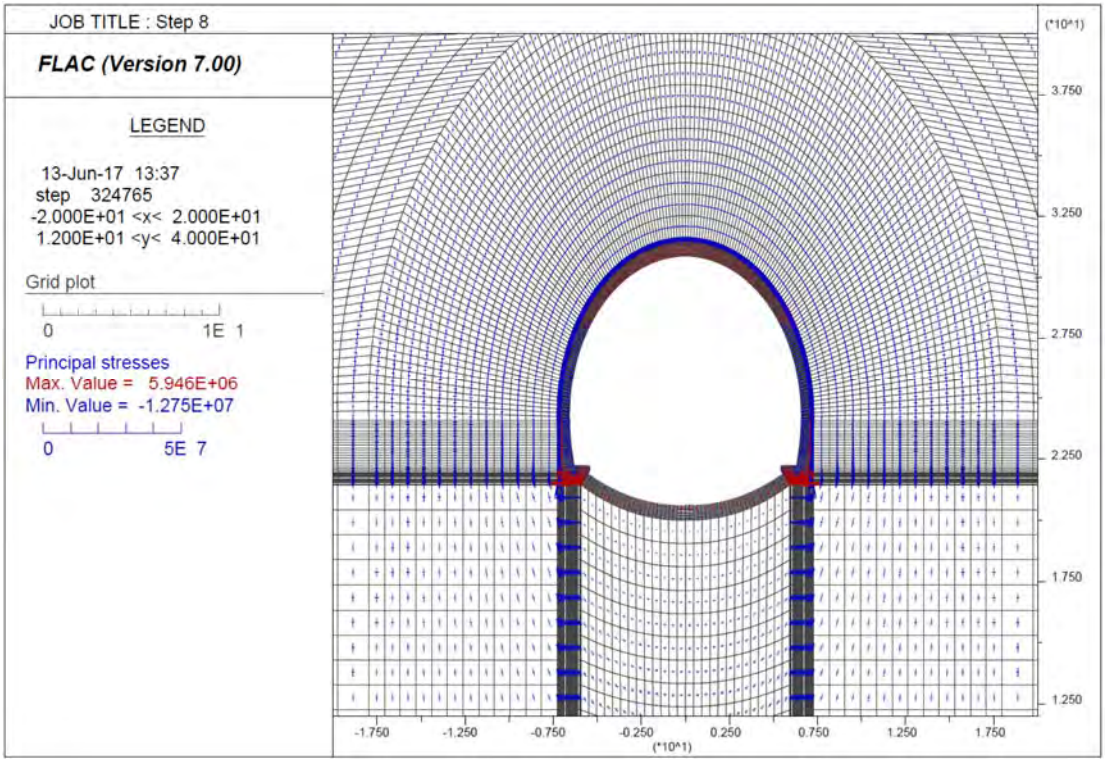


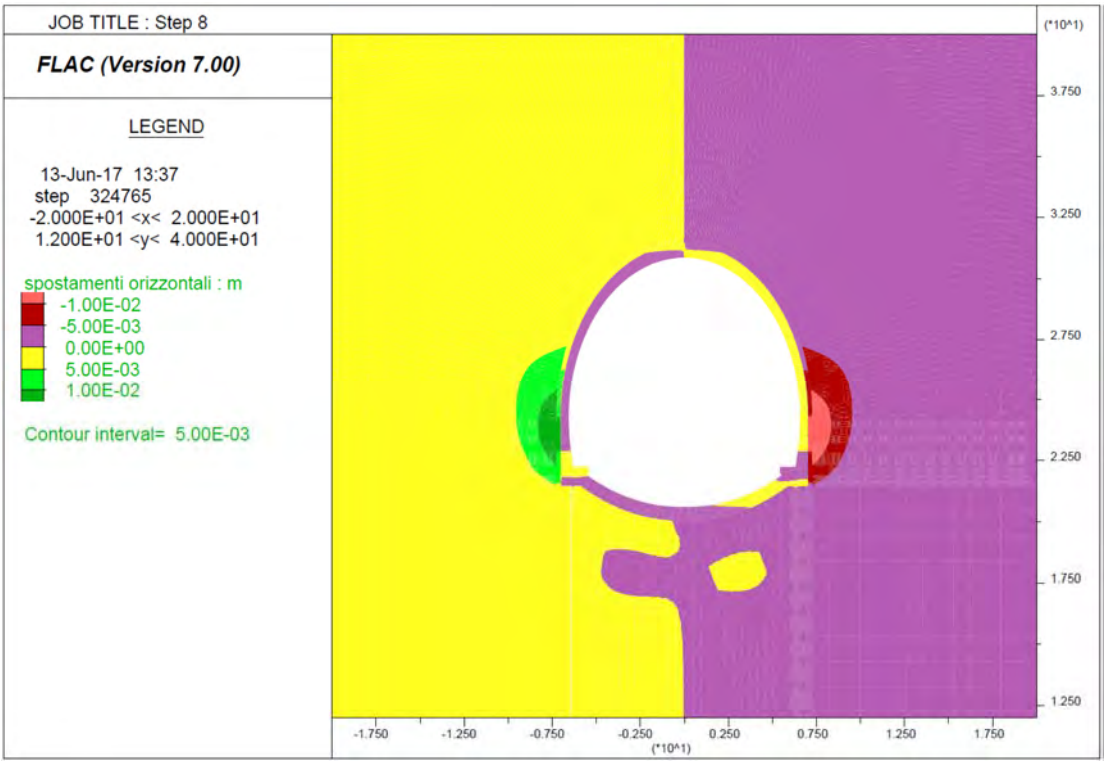


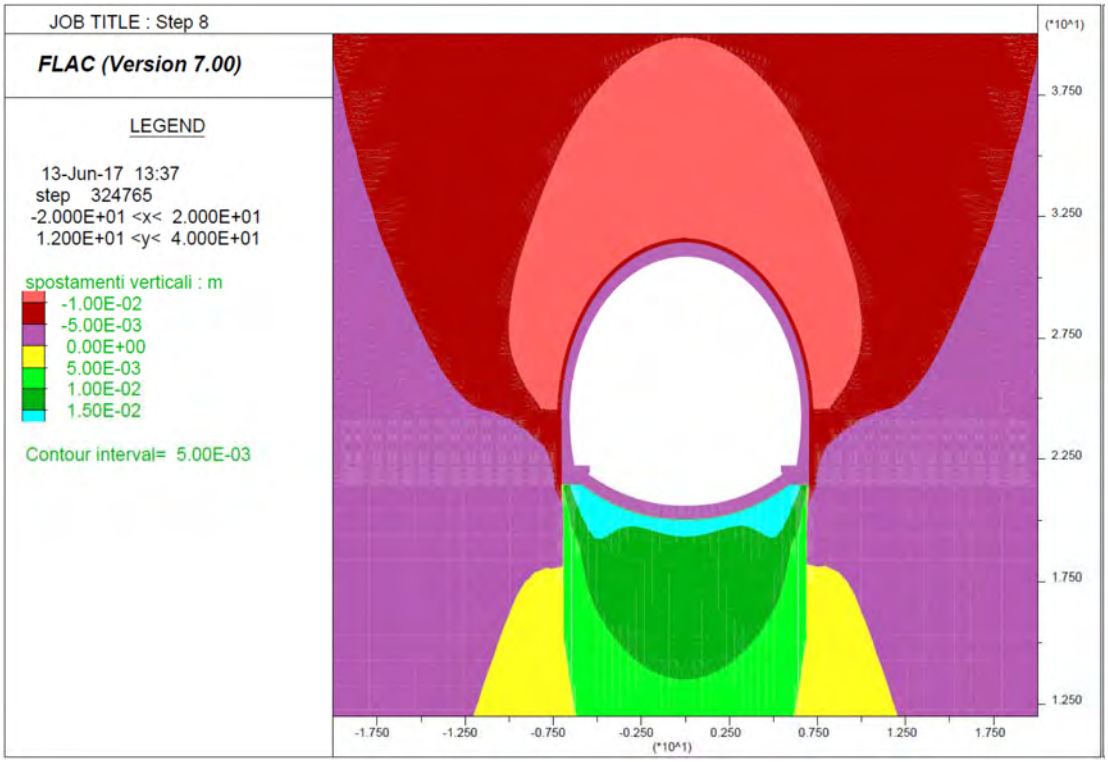

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:36
step 253702
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

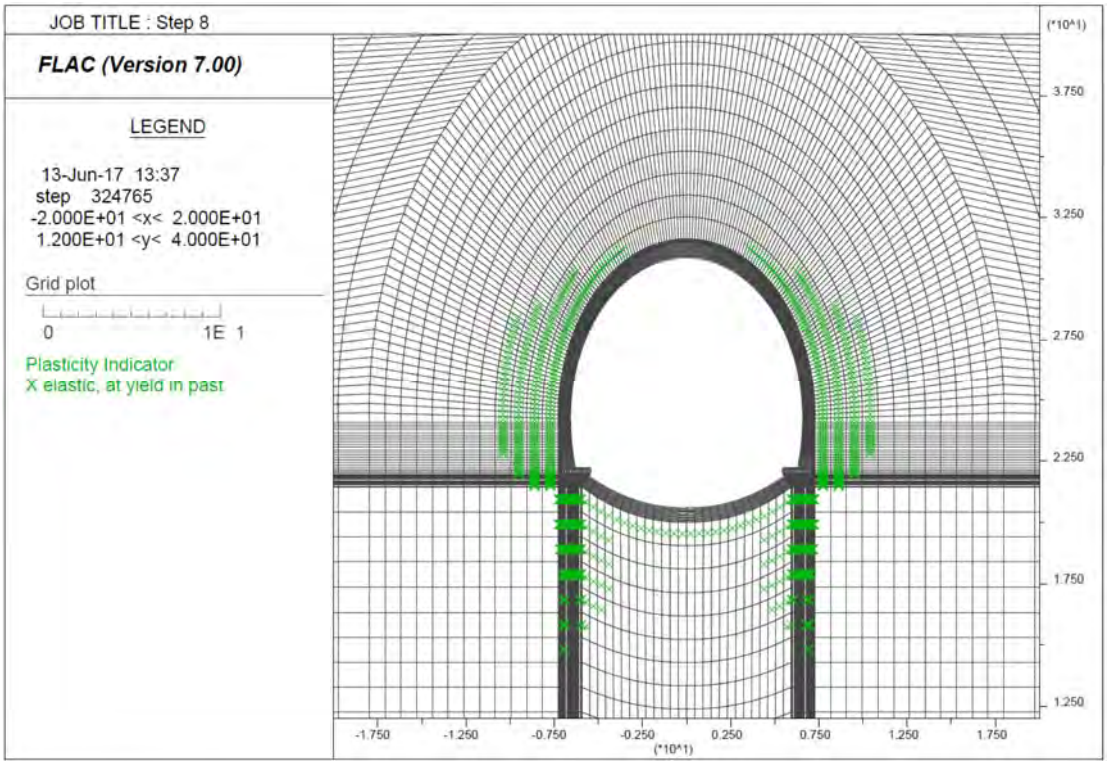

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:36
step 253702
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 8 - Getto Calotta

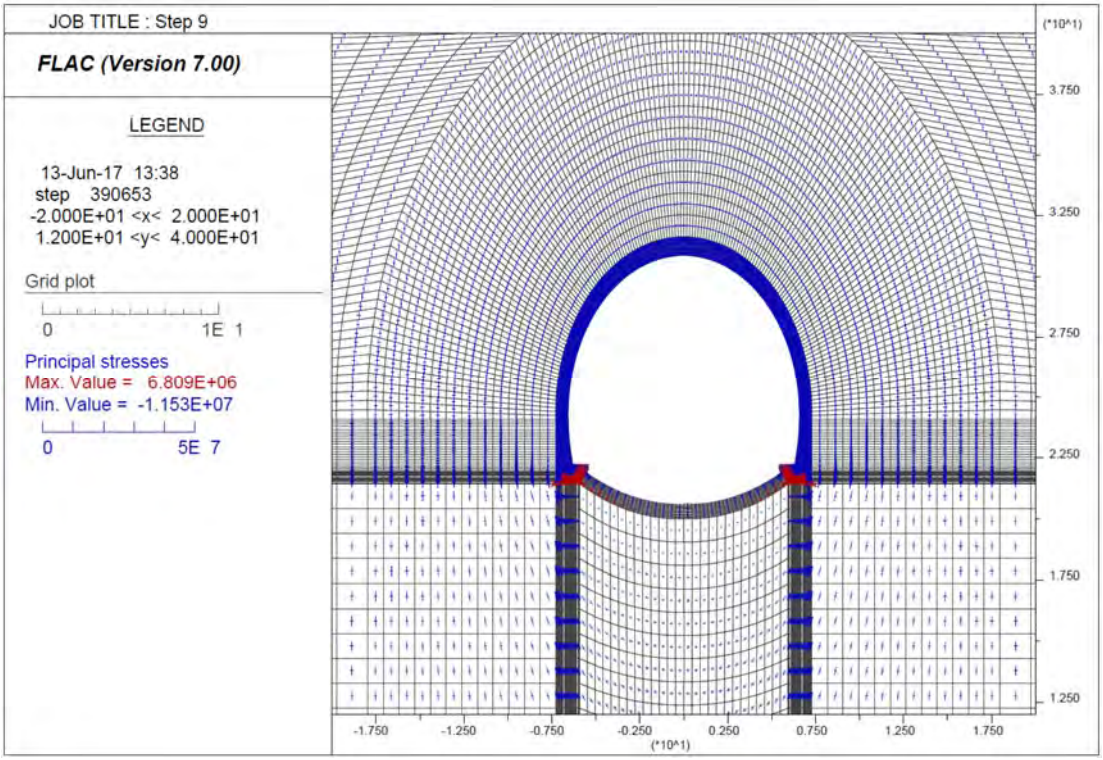


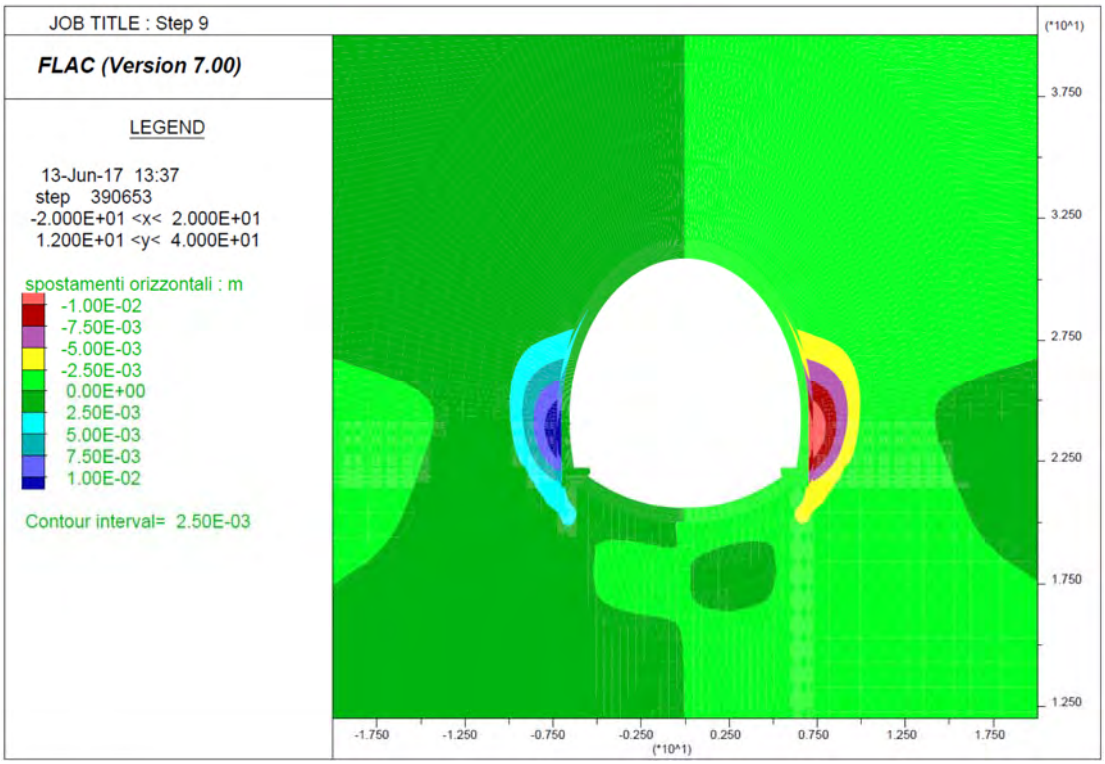


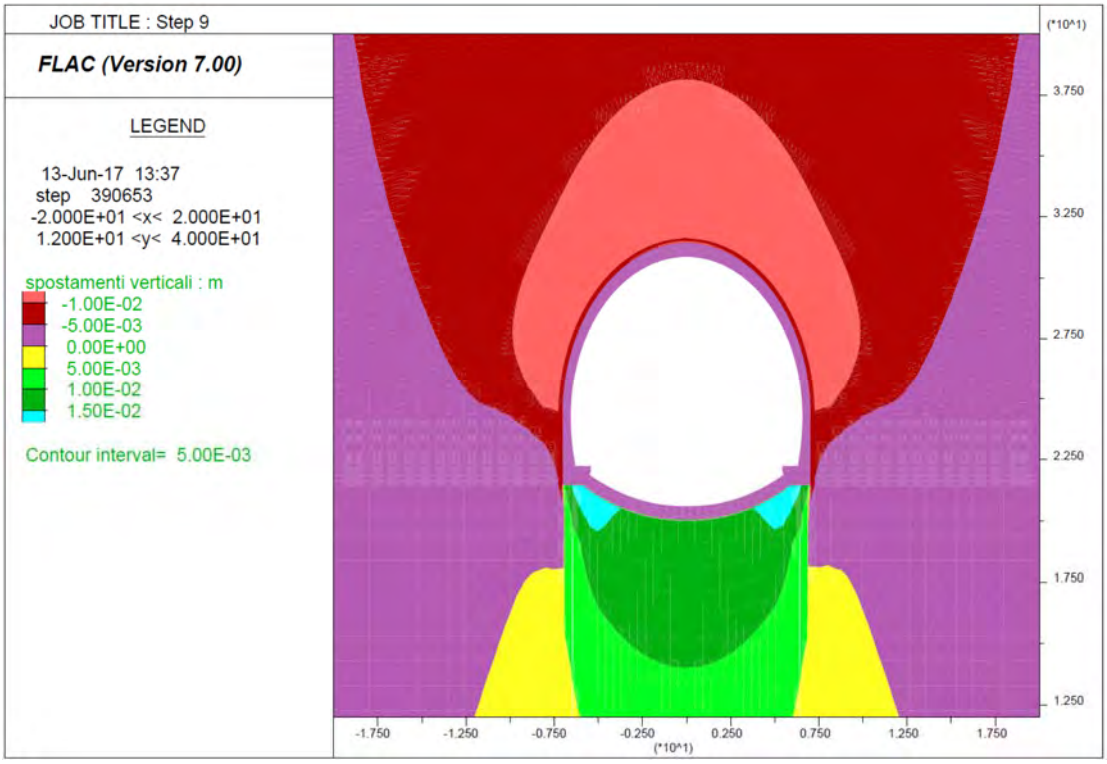

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:37
step 324765
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

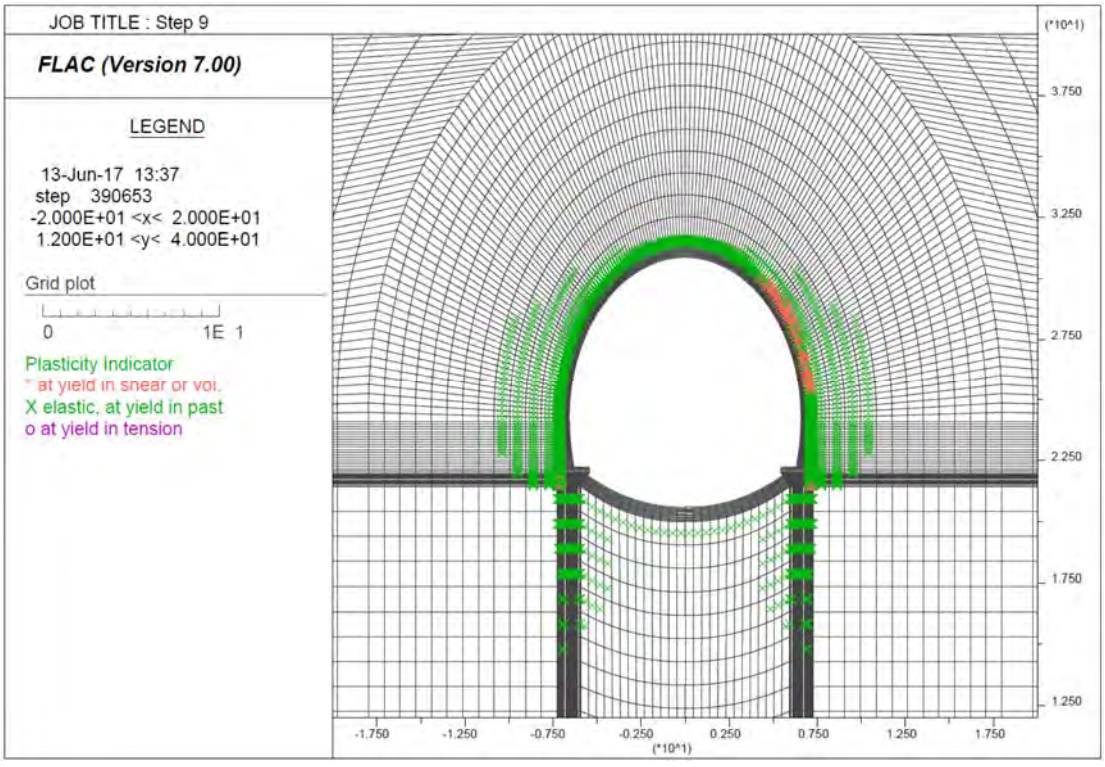

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:37
step 324765
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 9 - Decadimento dei parametri di resistenza del rivestimento provvisorio



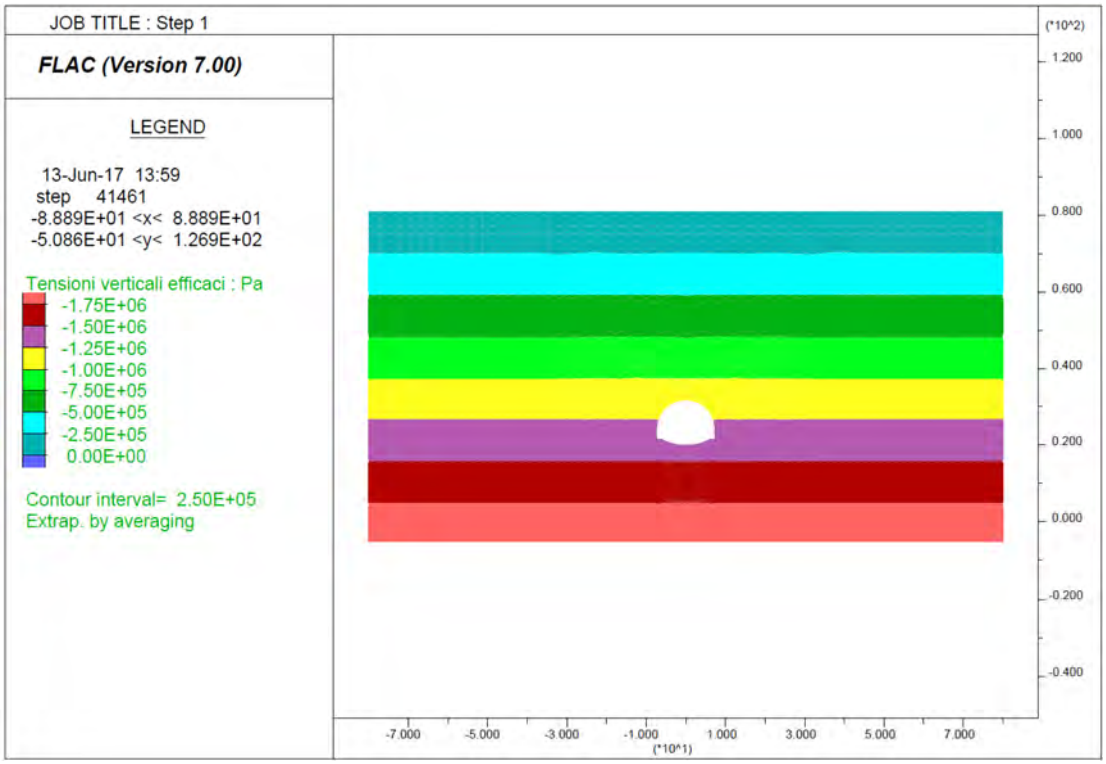


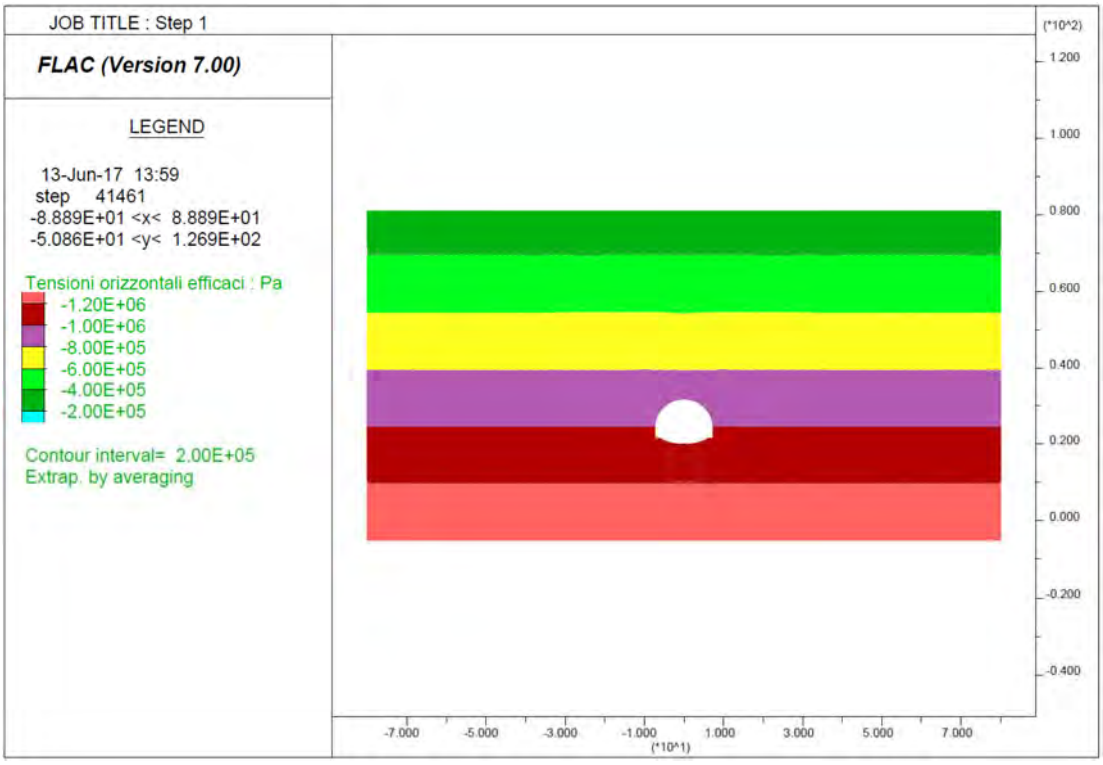

JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:37
step 390653
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)


JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:37
step 390653
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
o at yield in tension
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

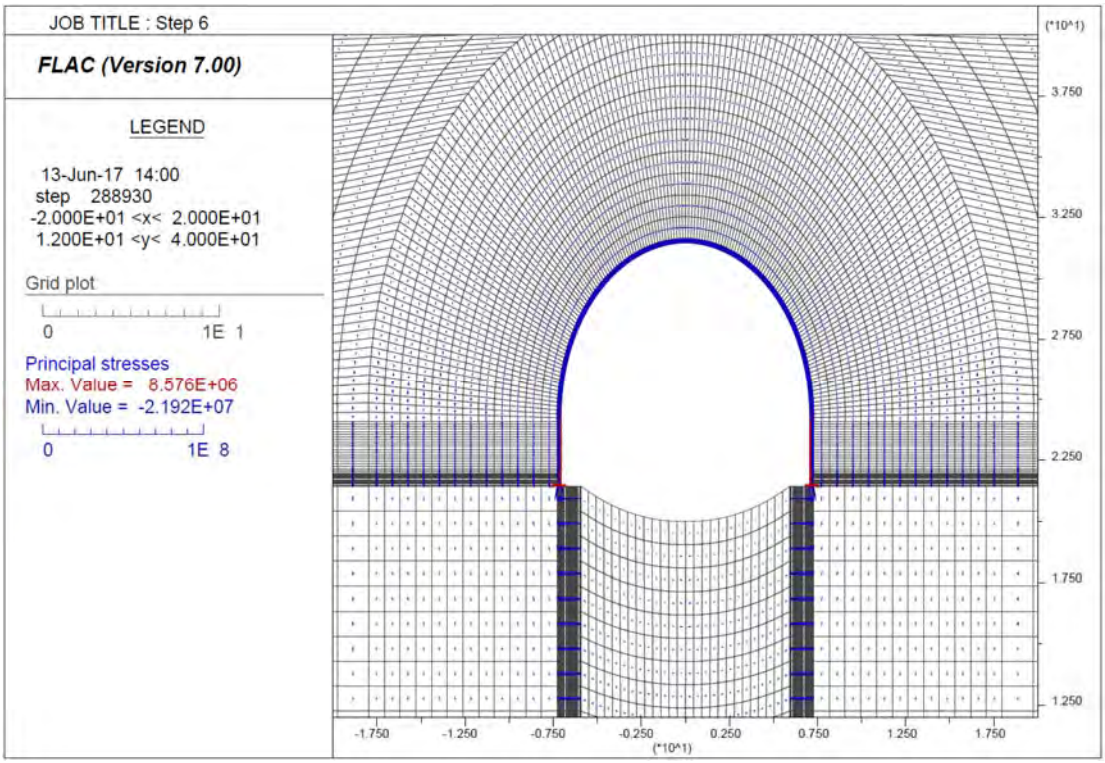
Output Flac – Sezione tipo B2 – Parametri res min – Copertura di calcolo = 50 m

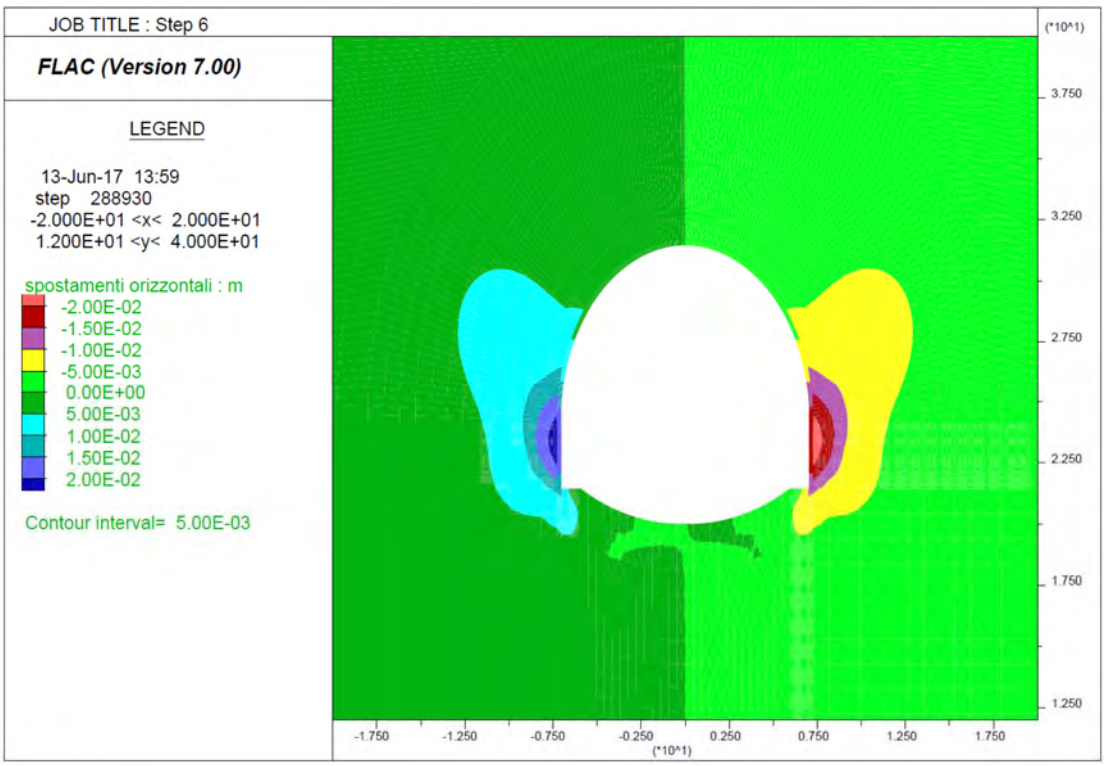
Step 1 – Tensioni litostatiche

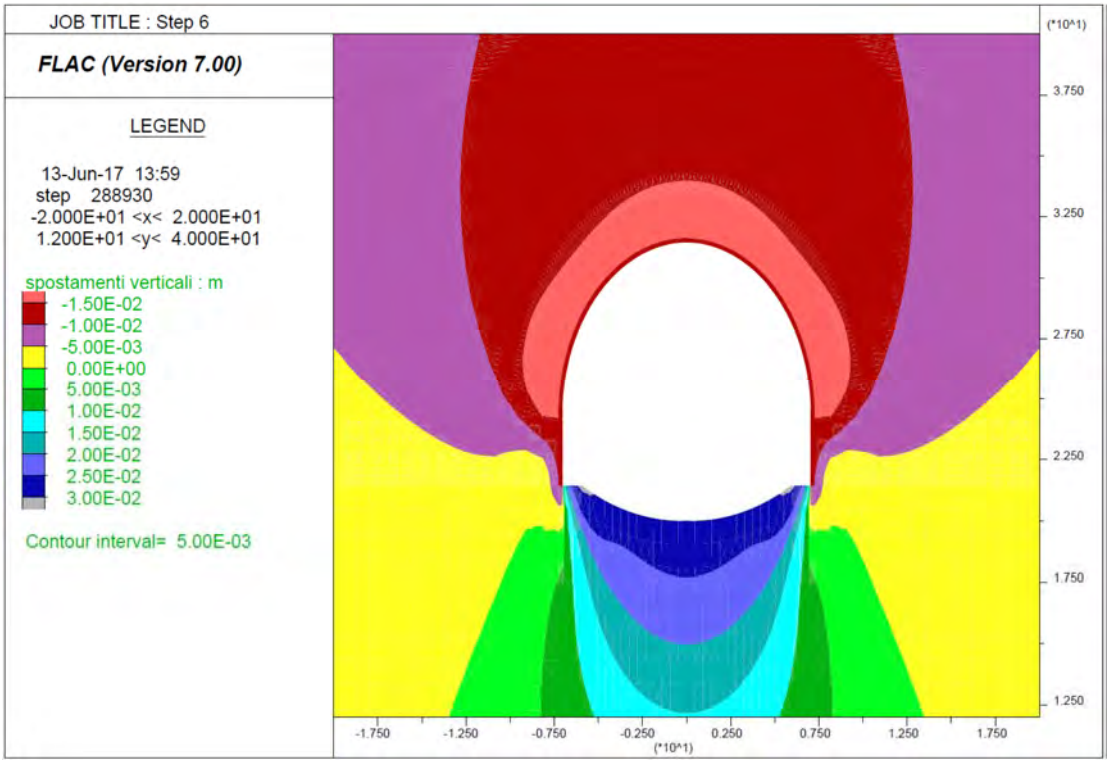


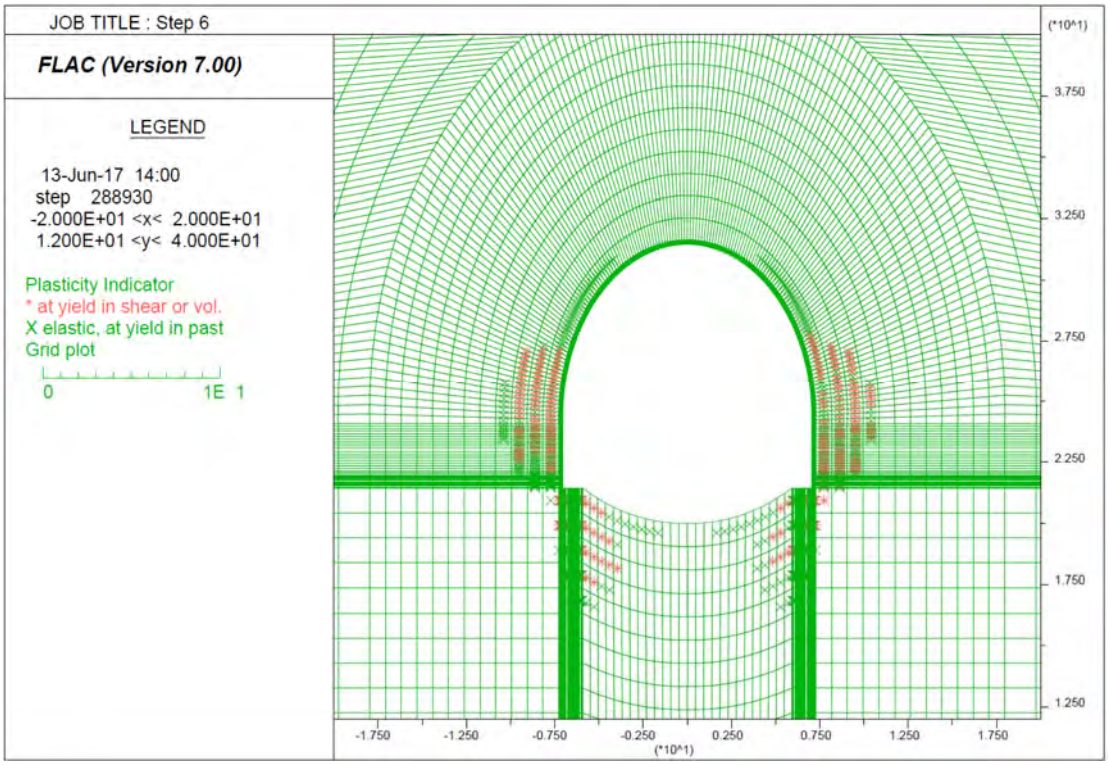


Step 6 – Avanzamento fino a 2D

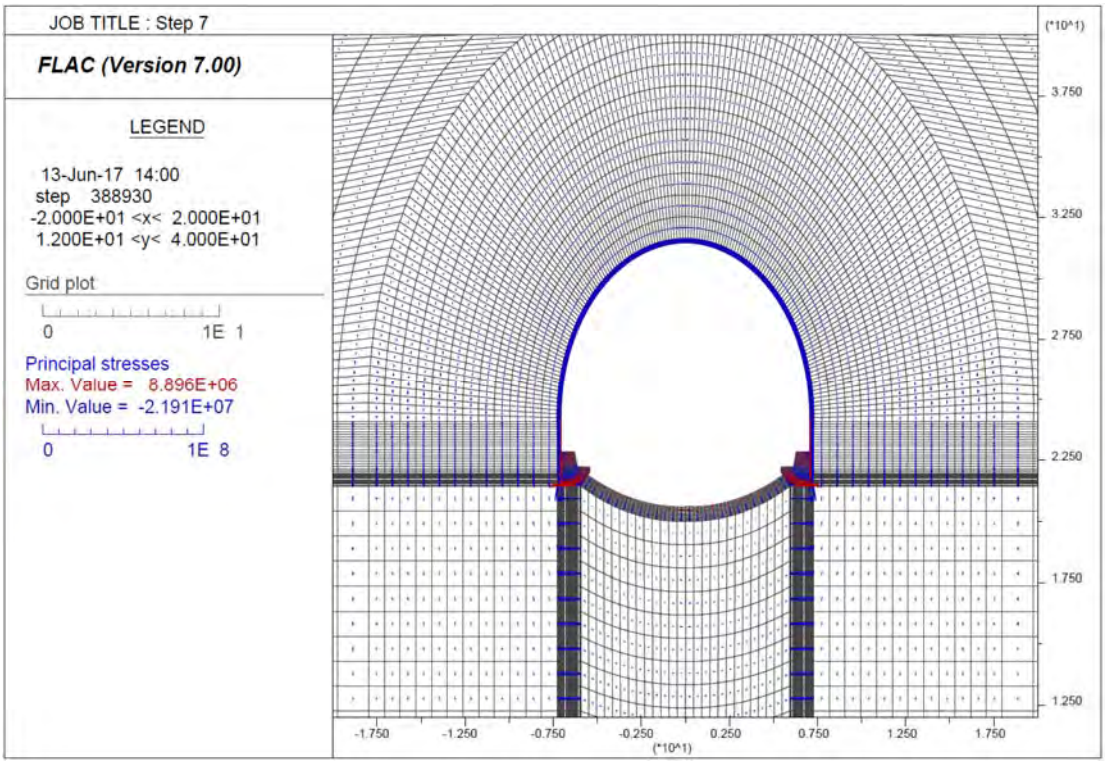


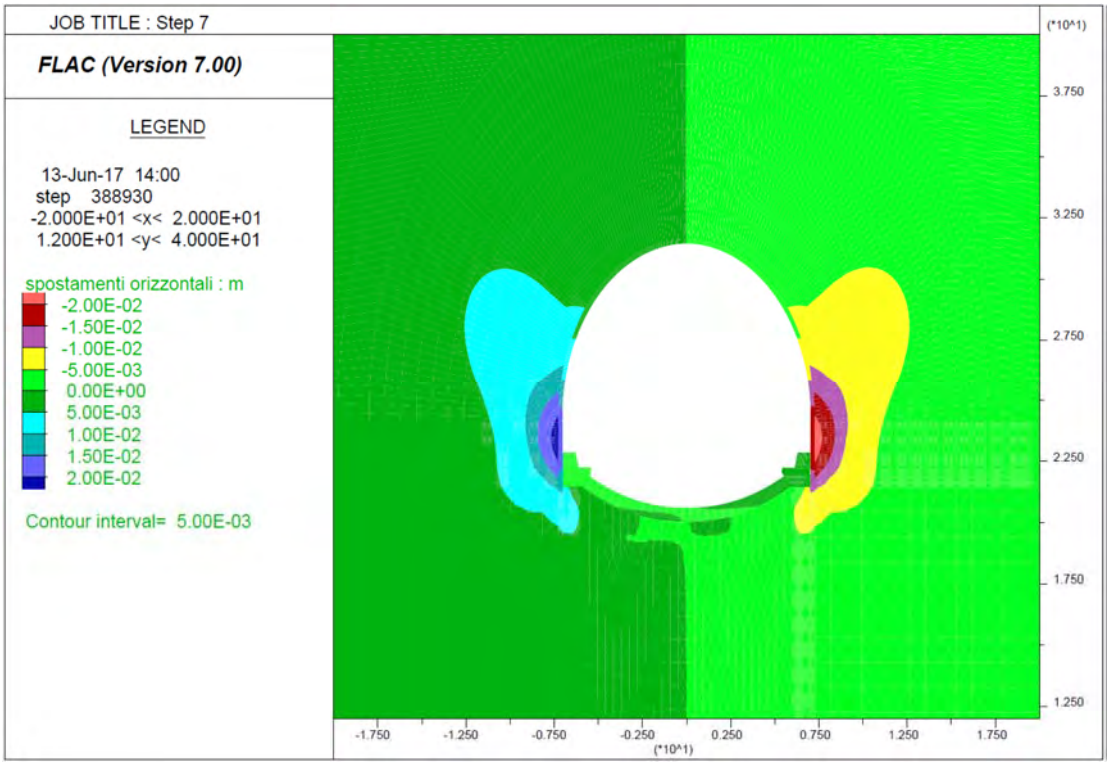


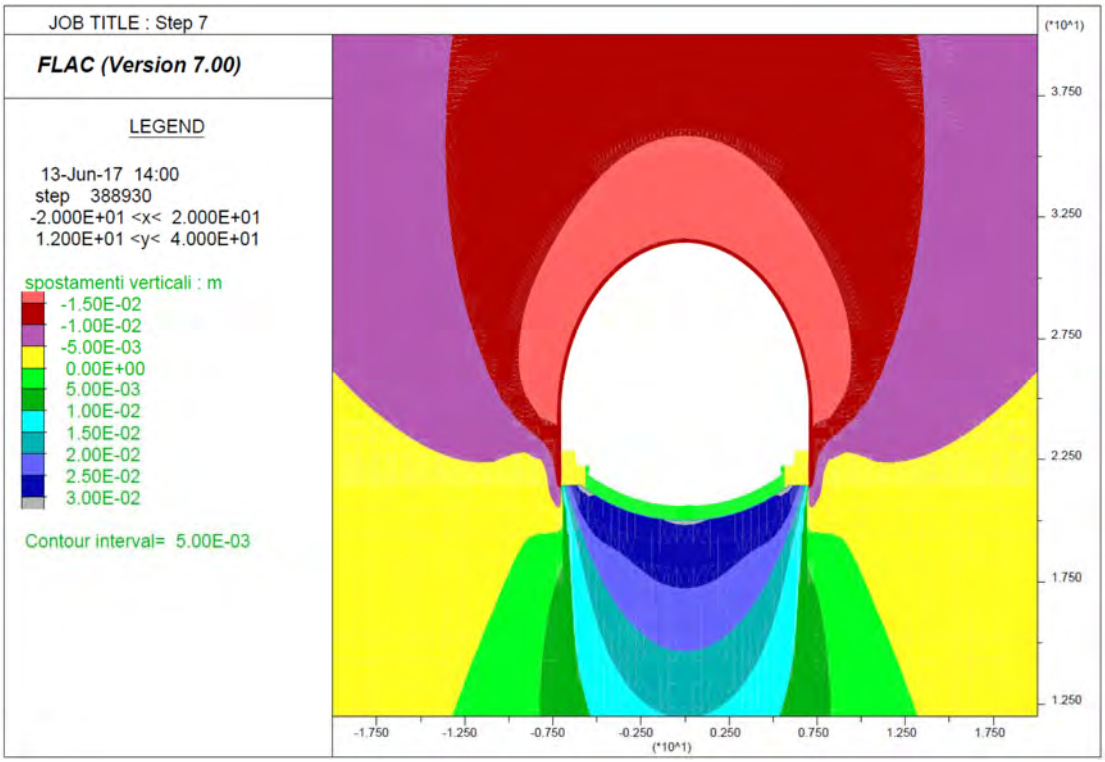

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
13-Jun-17 13:59
step 288930
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.50E-02
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
2.00E-02
2.50E-02
3.00E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

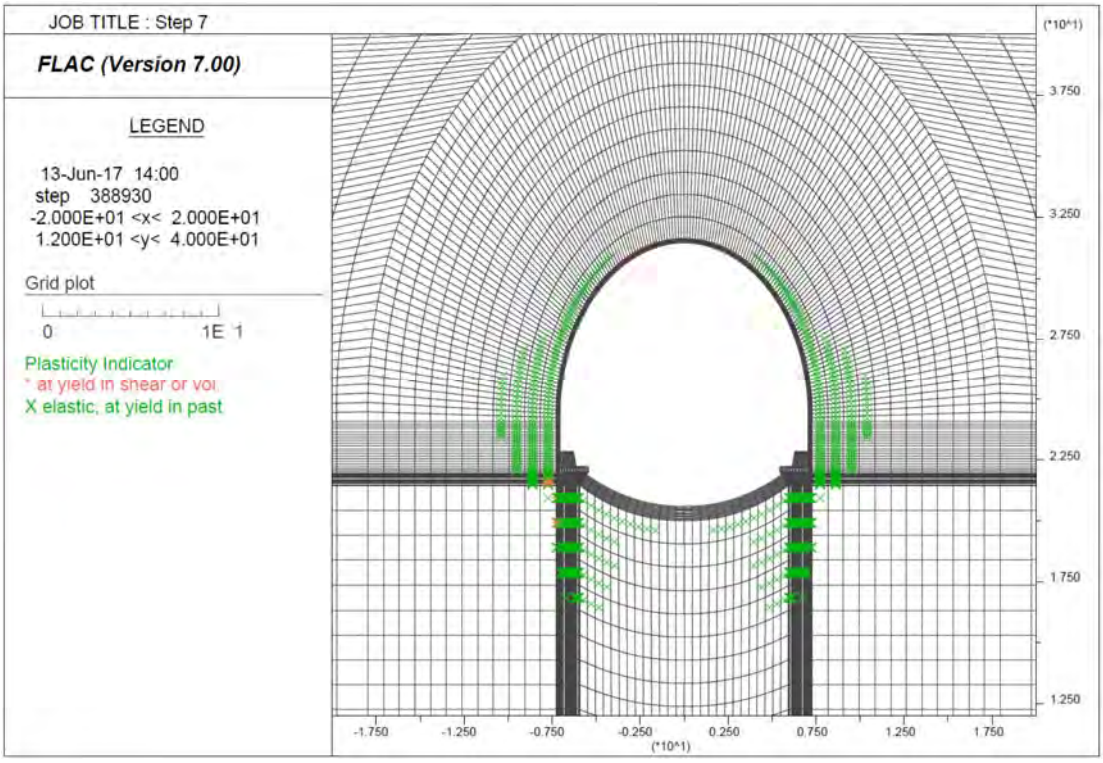

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:00
step 288930
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
Grid plot
0
1E 1
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 7 - Getto arco rovescio e muretta a 2D e avanzamento fino a deformazioni esaurite

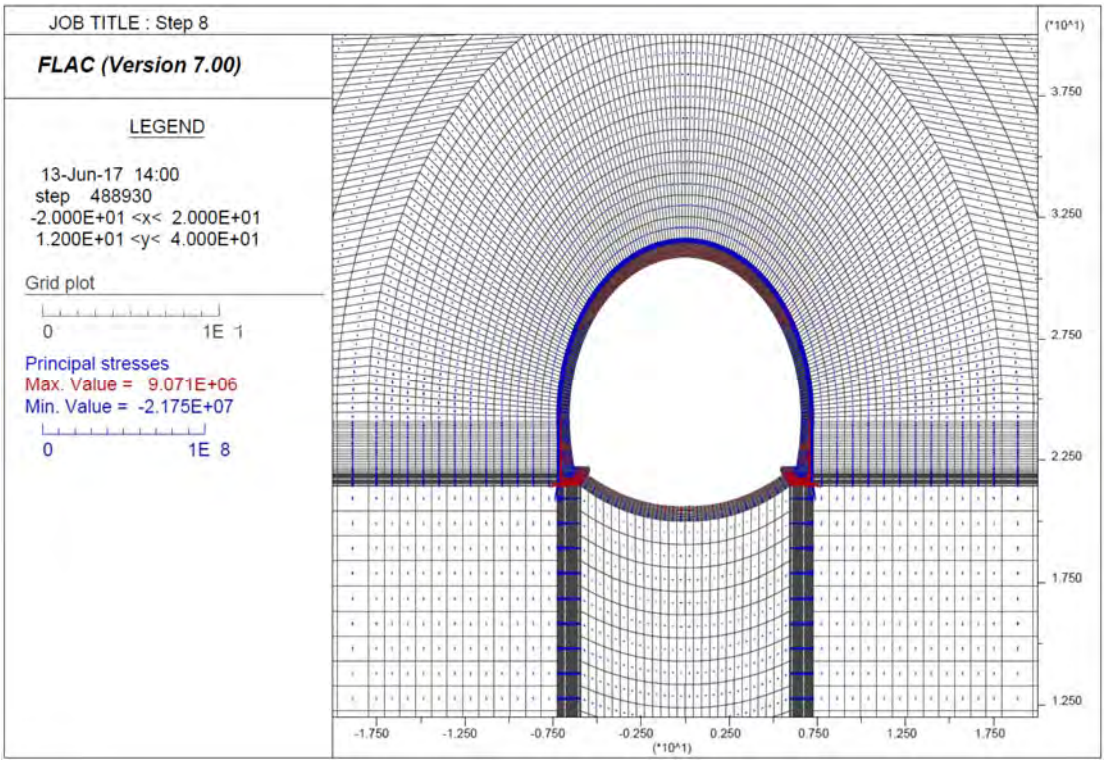


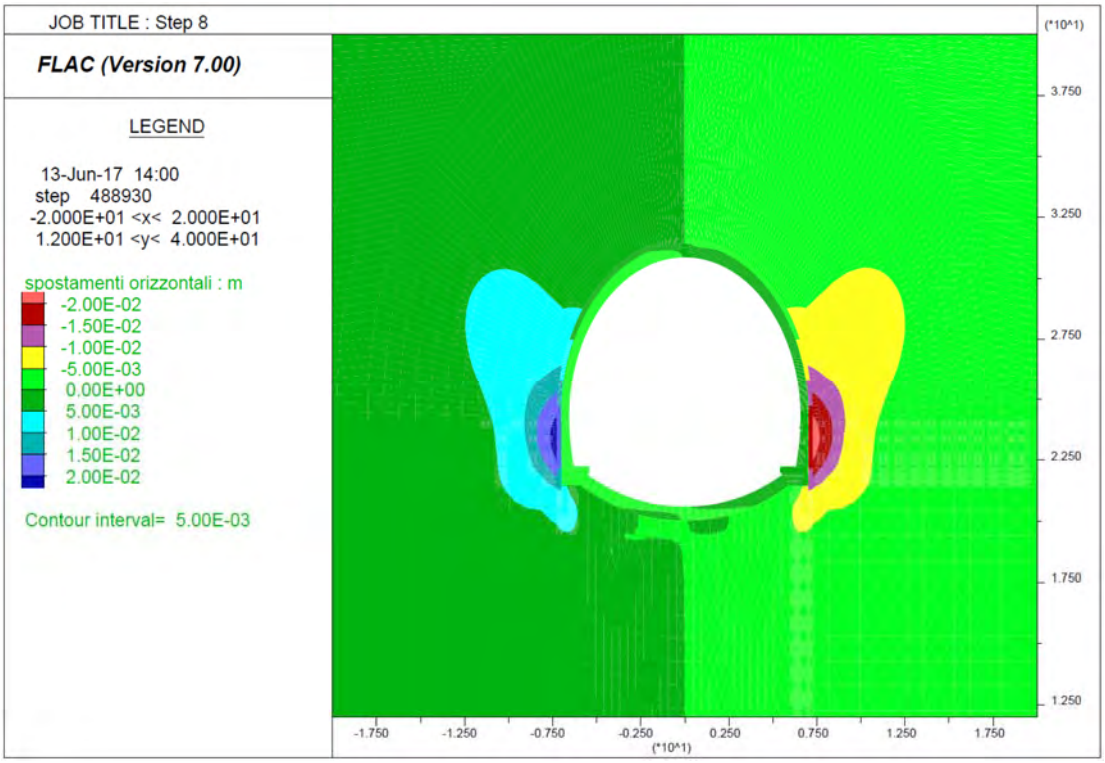


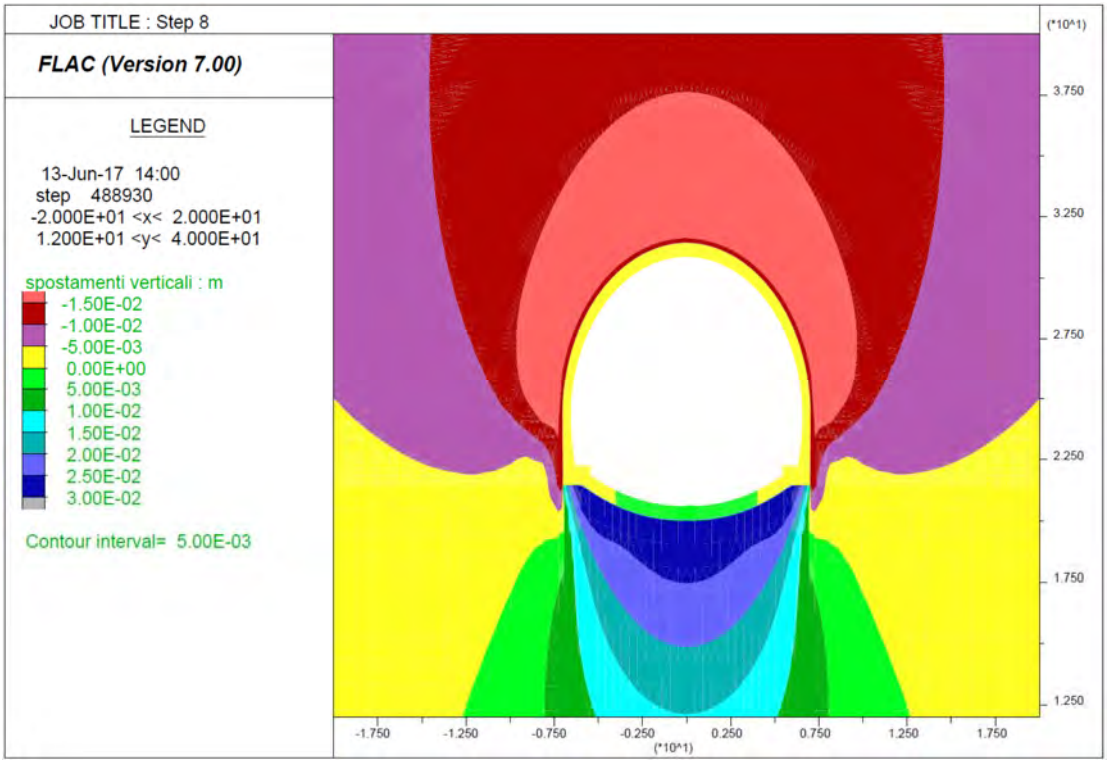

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:00
step 388930
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.50E-02
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
2.00E-02
2.50E-02
3.00E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

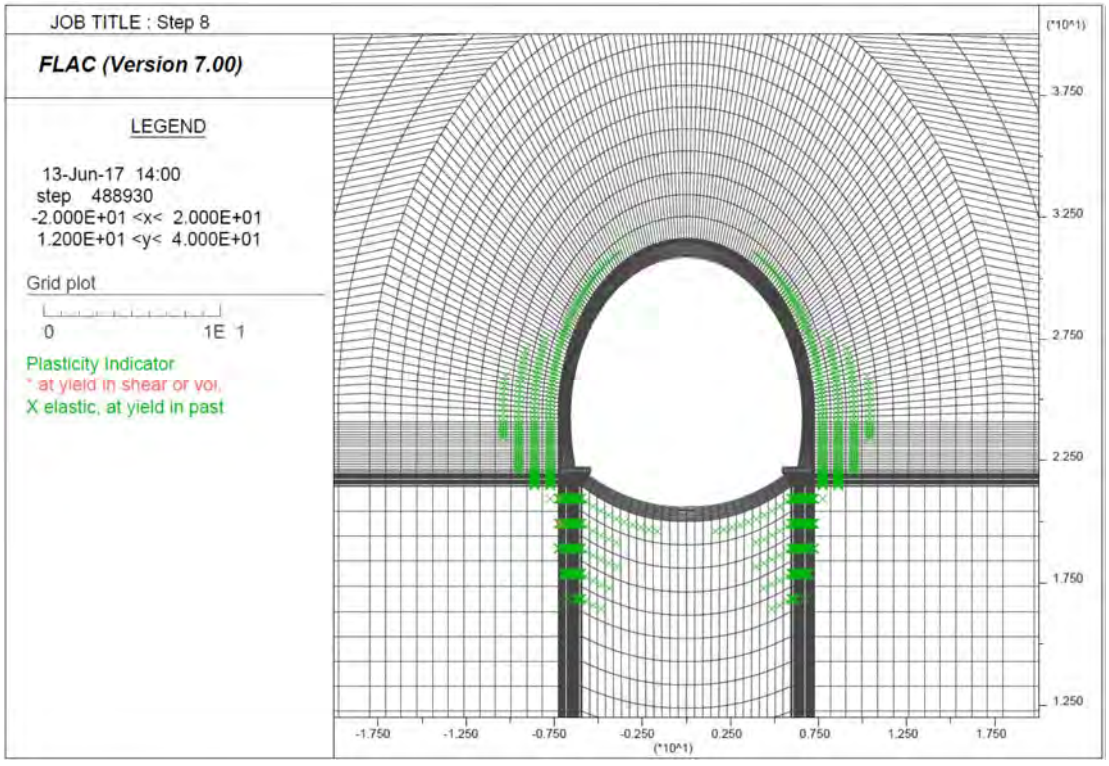

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:00
step 388930
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
* at yield in shear or vol
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 8 - Getto Calotta

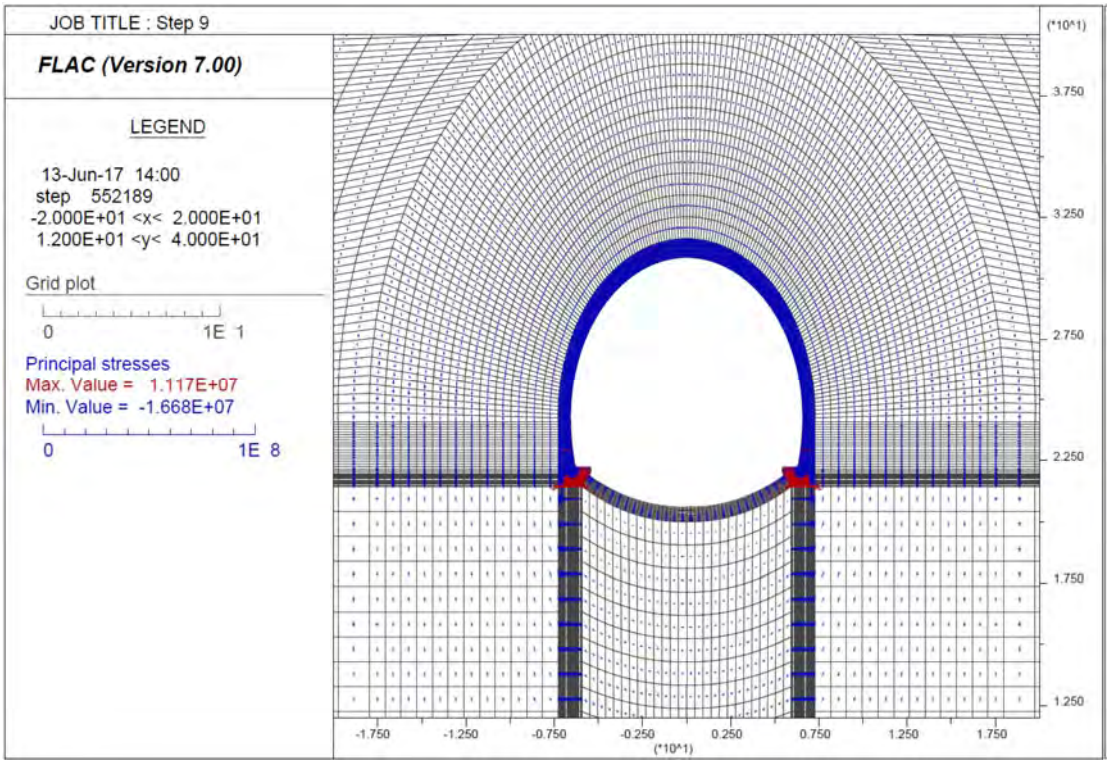


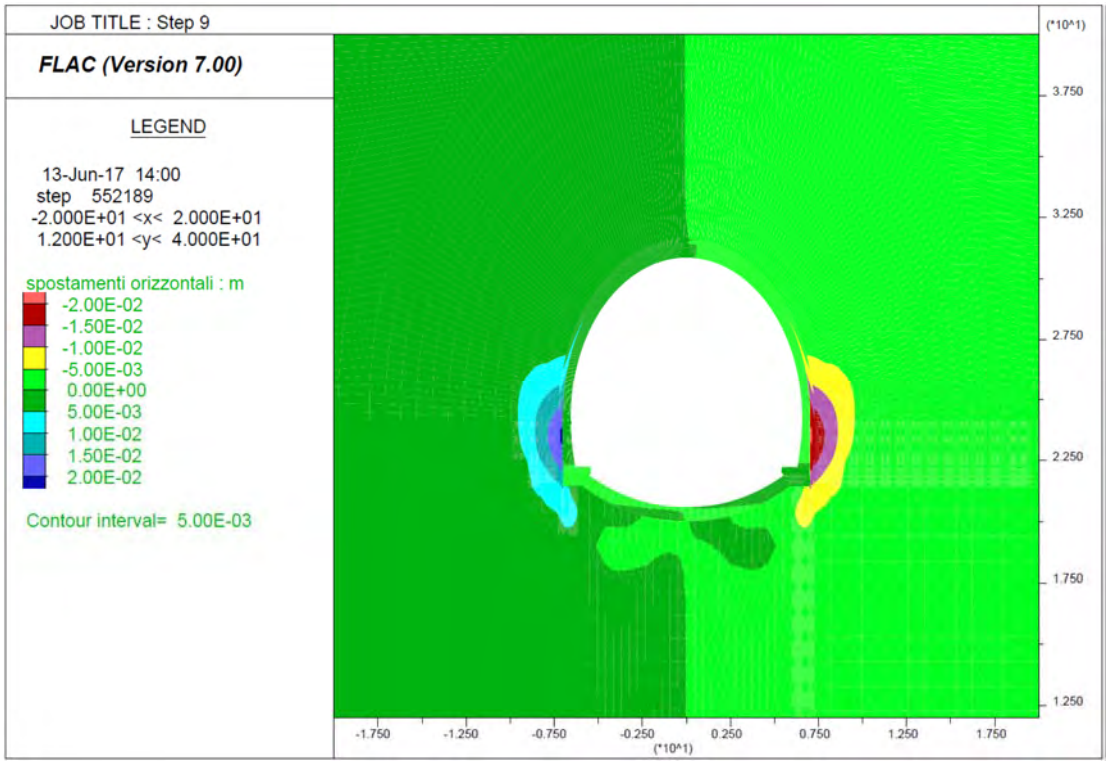


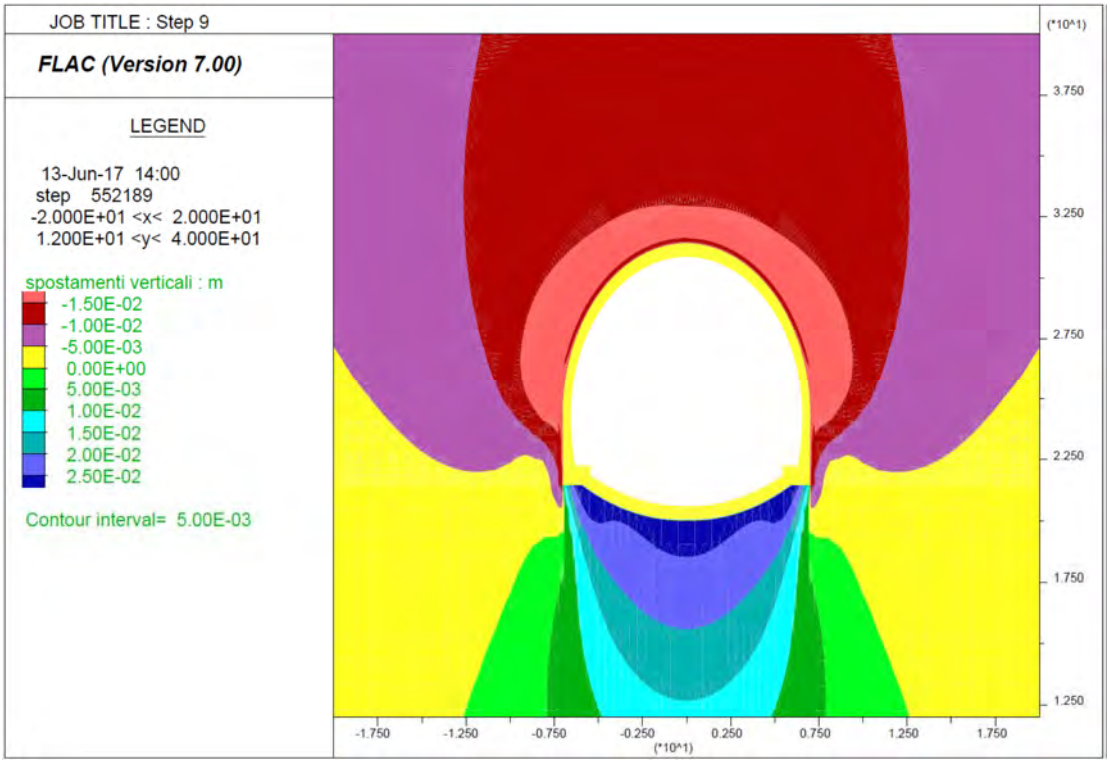

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:00
step 488930
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.50E-02
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
2.00E-02
2.50E-02
3.00E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

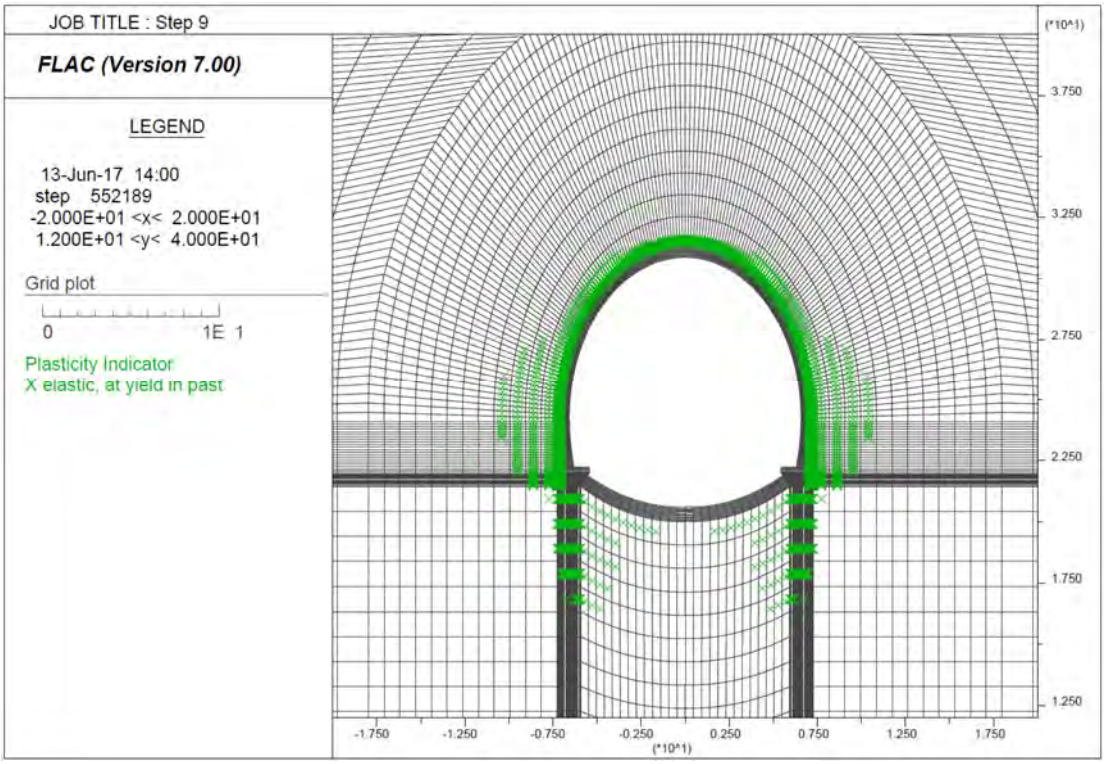

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:00
step 488930
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
* at yield in shear or vol,
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 9 - Decadimento dei parametri di resistenza del rivestimento provvisorio



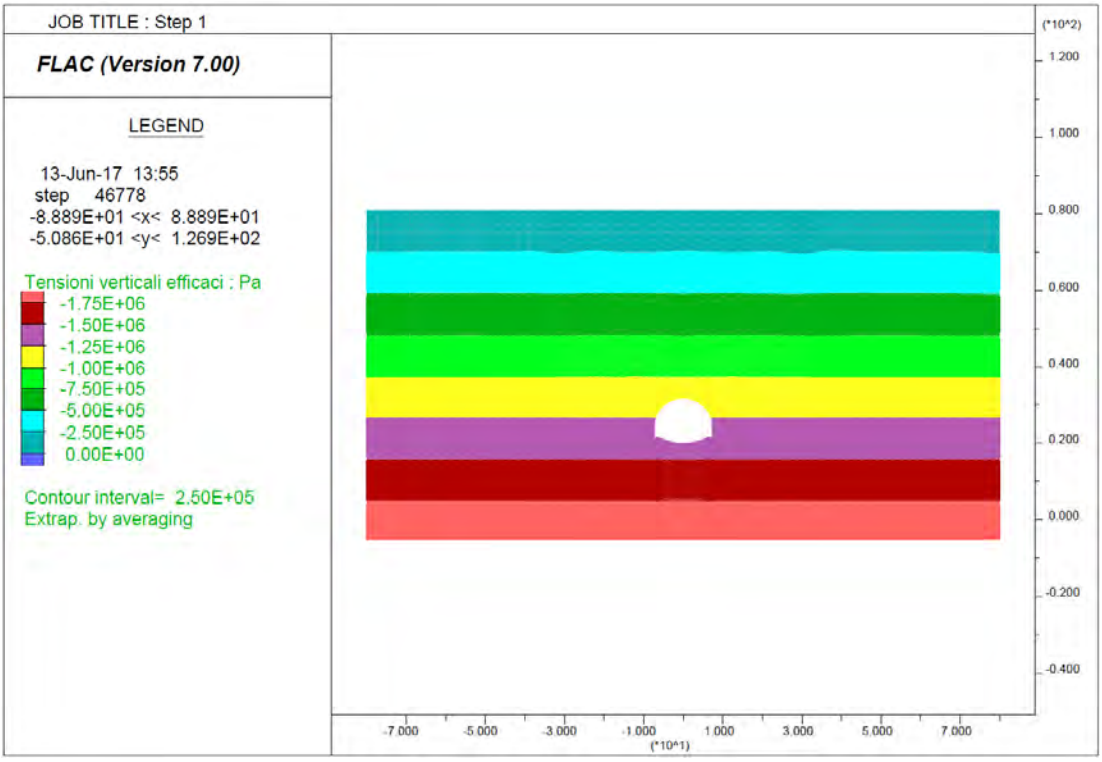


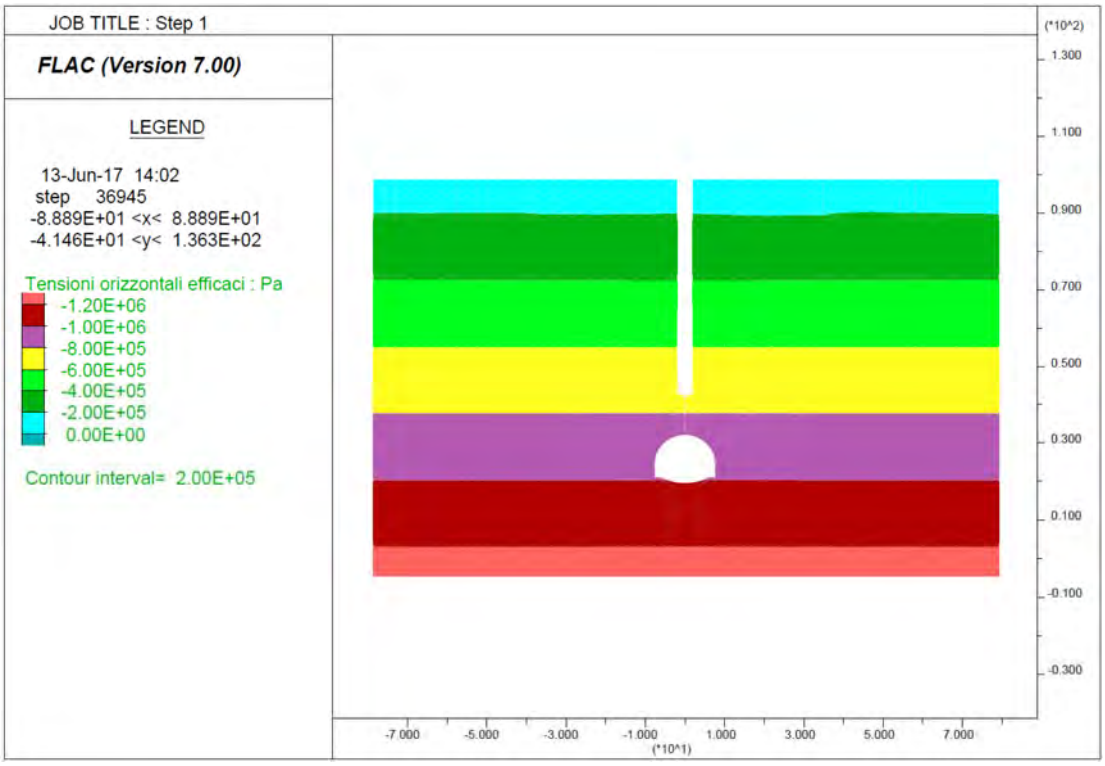

JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:00
step 552189
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.50E-02
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
2.00E-02
2.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)


JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:00
step 552189
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

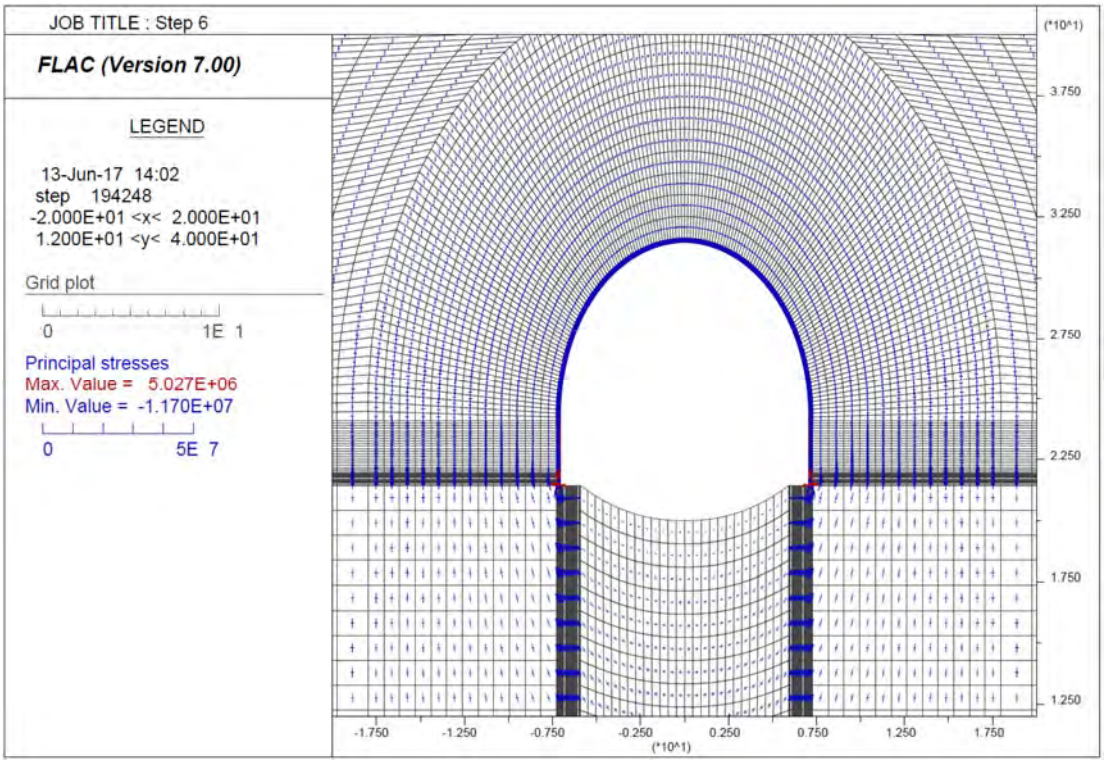
Output Flac – Sezione tipo B2 – Parametri res max – Copertura di calcolo = 50 m

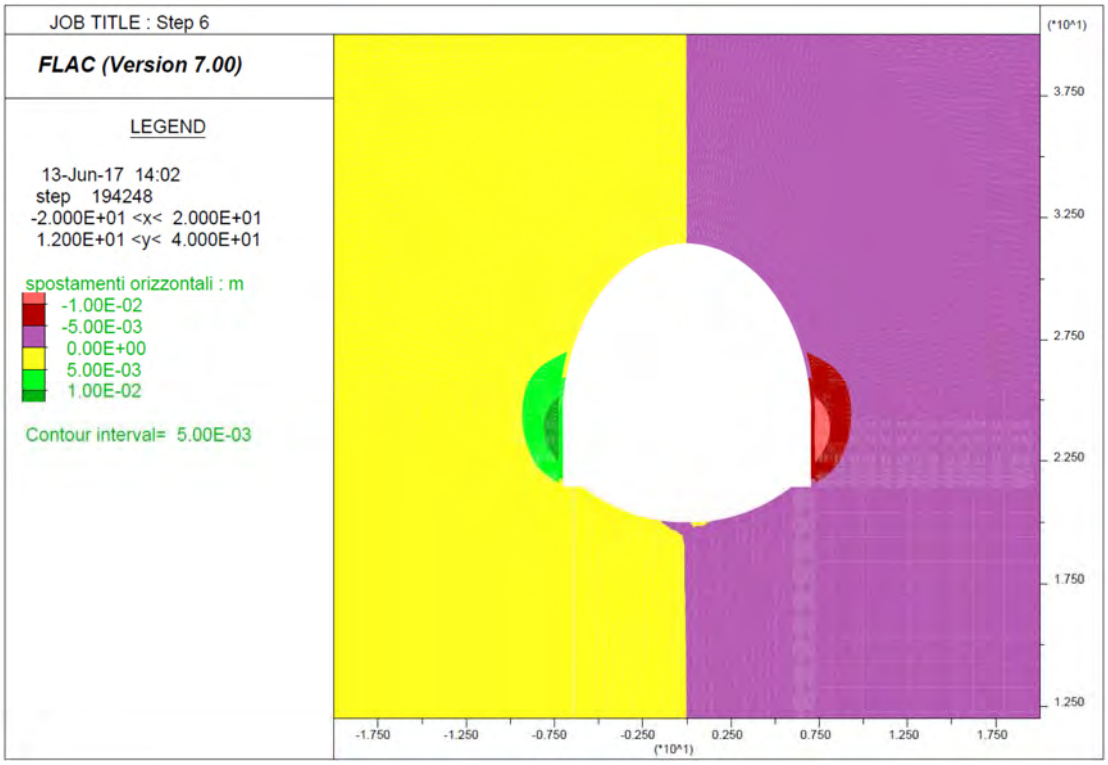
Step 1 – Tensioni litostatiche

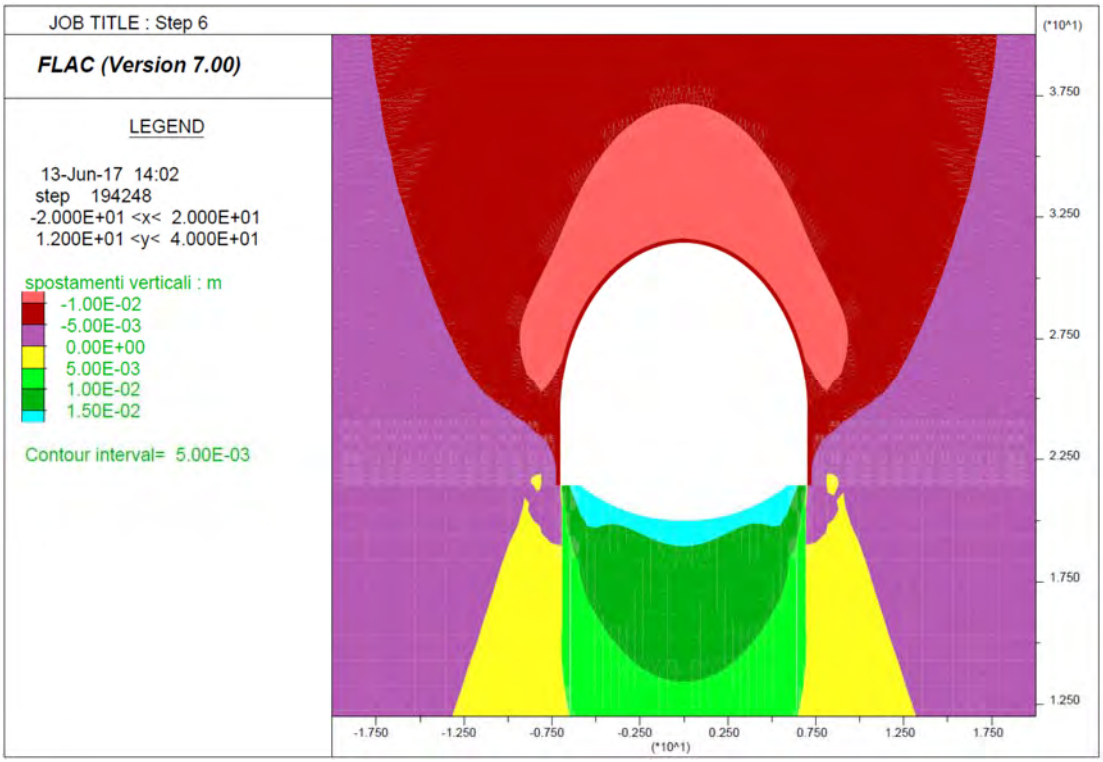


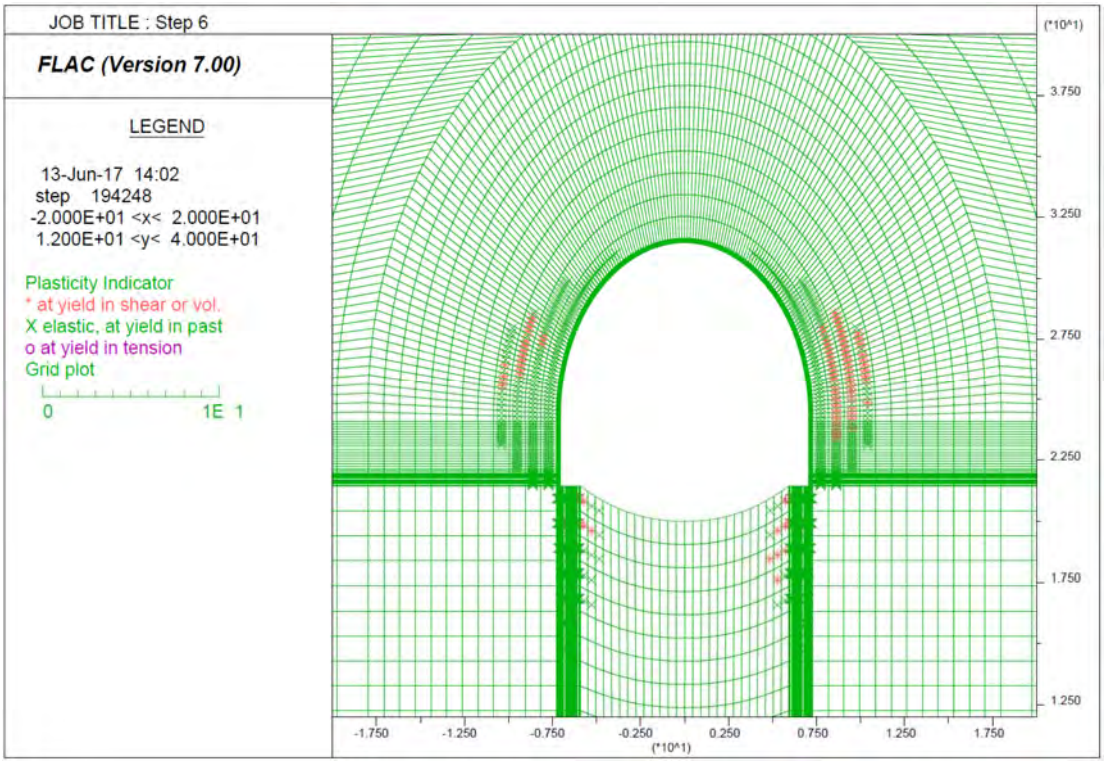


Step 6 – Avanzamento fino a 2D

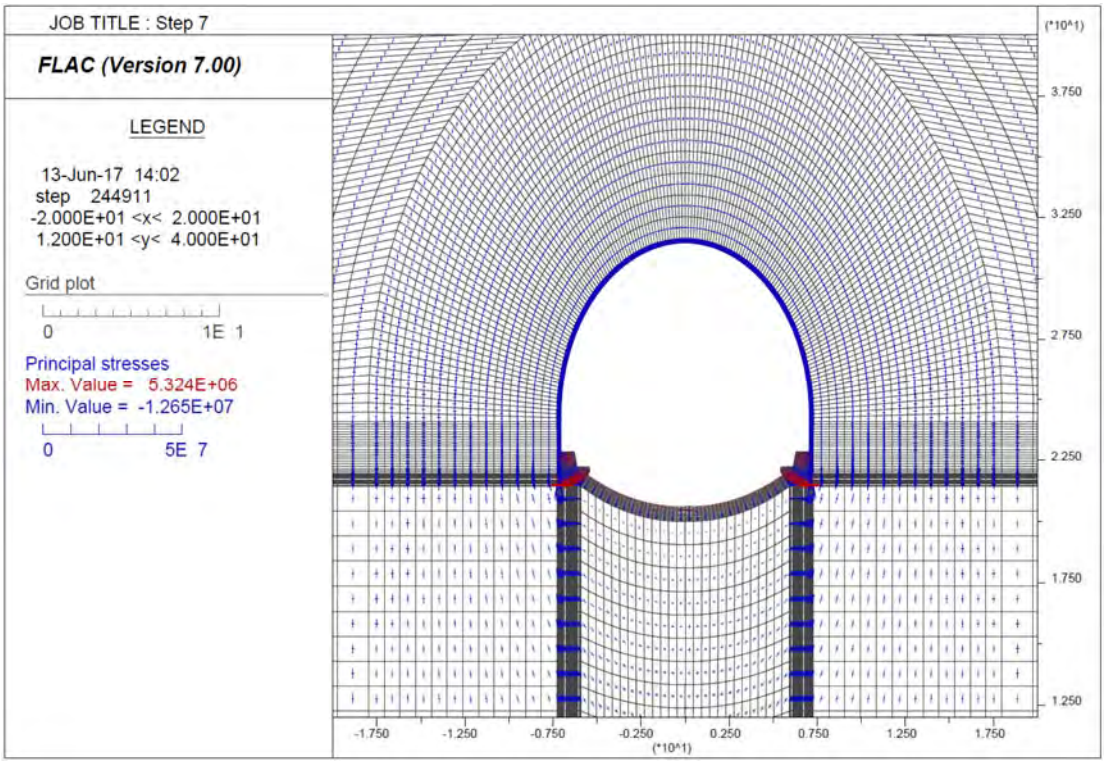


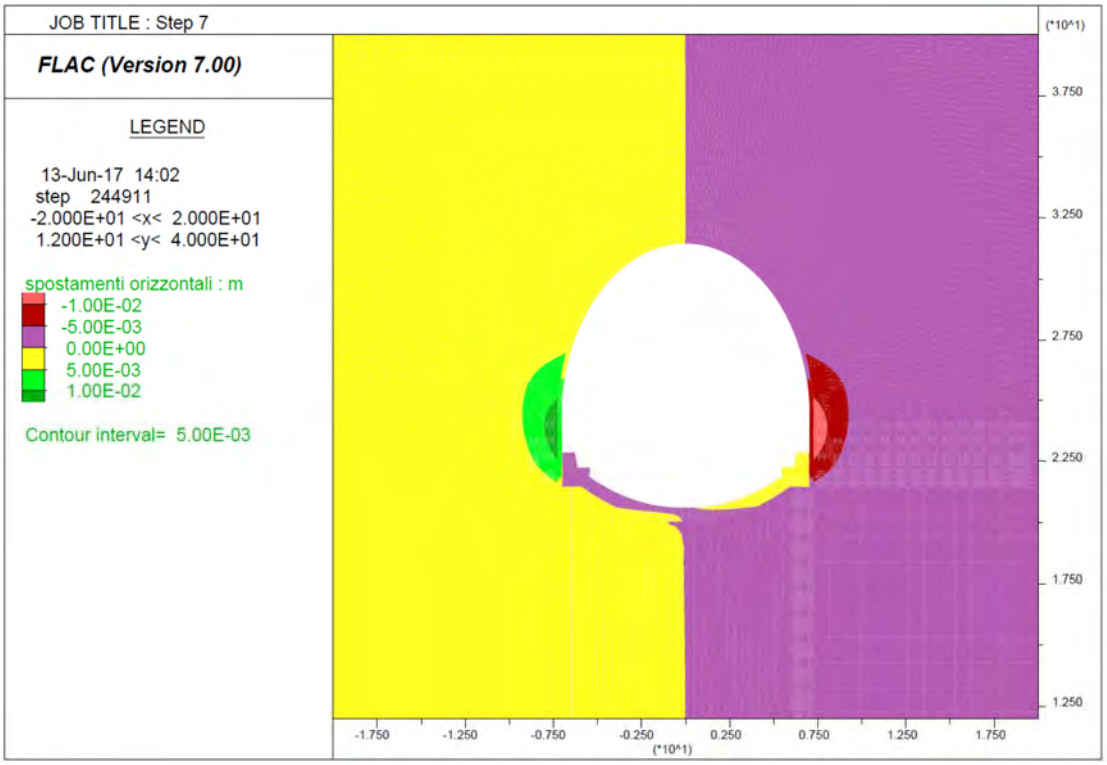


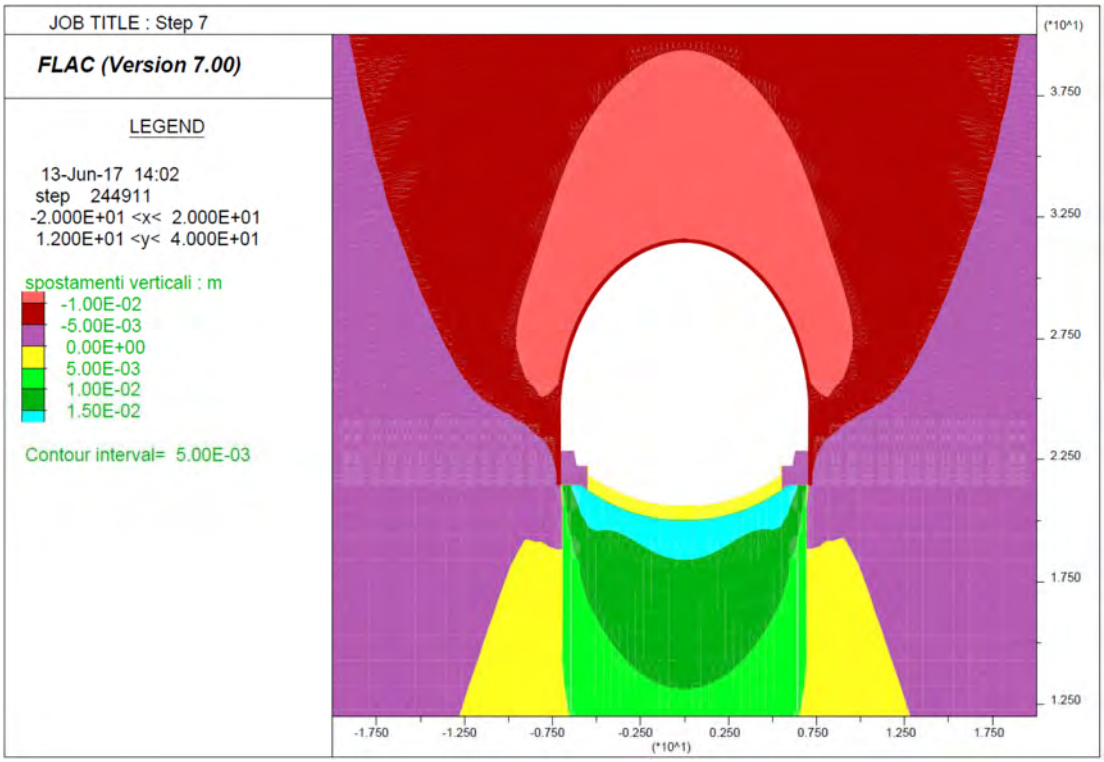

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:02
step 194248
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

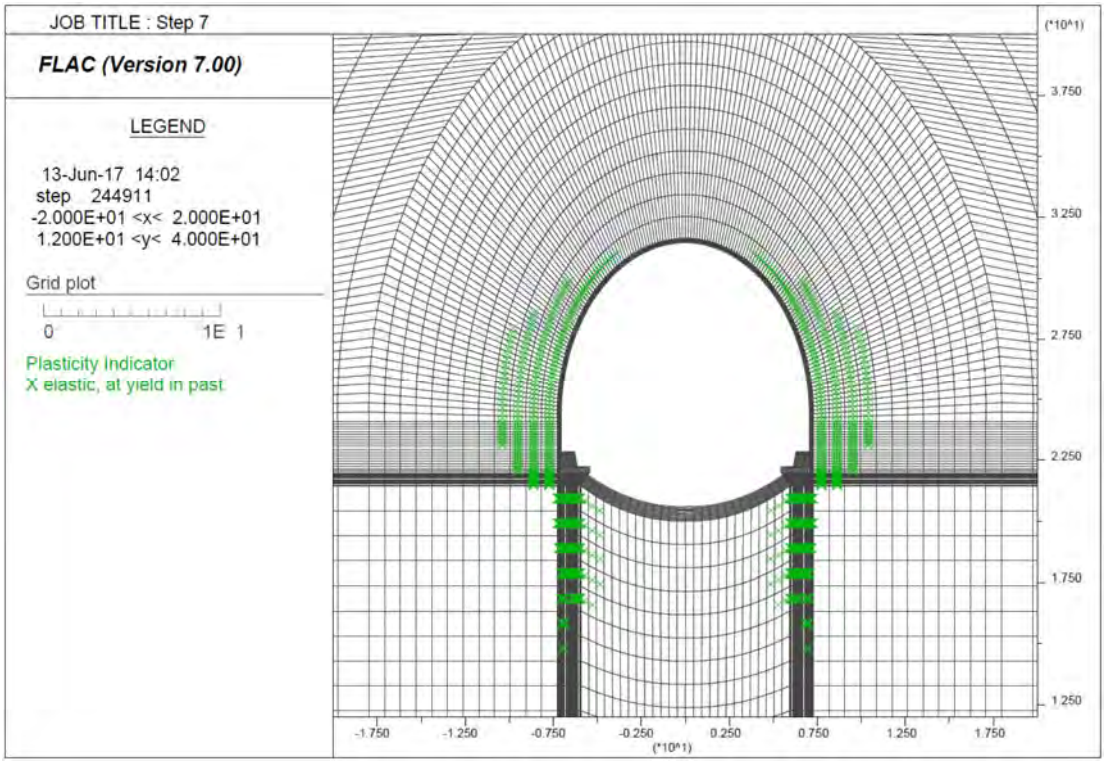

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:02
step 194248
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
o at yield in tension
Grid plot
0
1E 1
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 7 - Getto arco rovescio e muretta a 2D e avanzamento fino a deformazioni esaurite

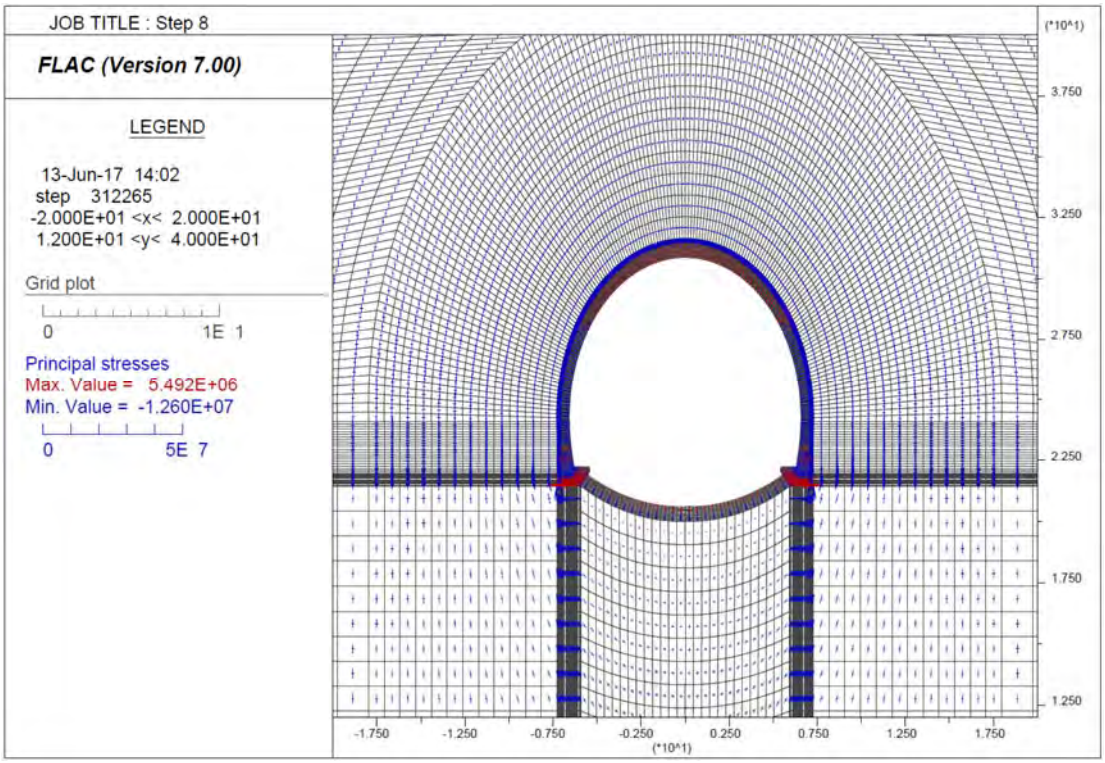


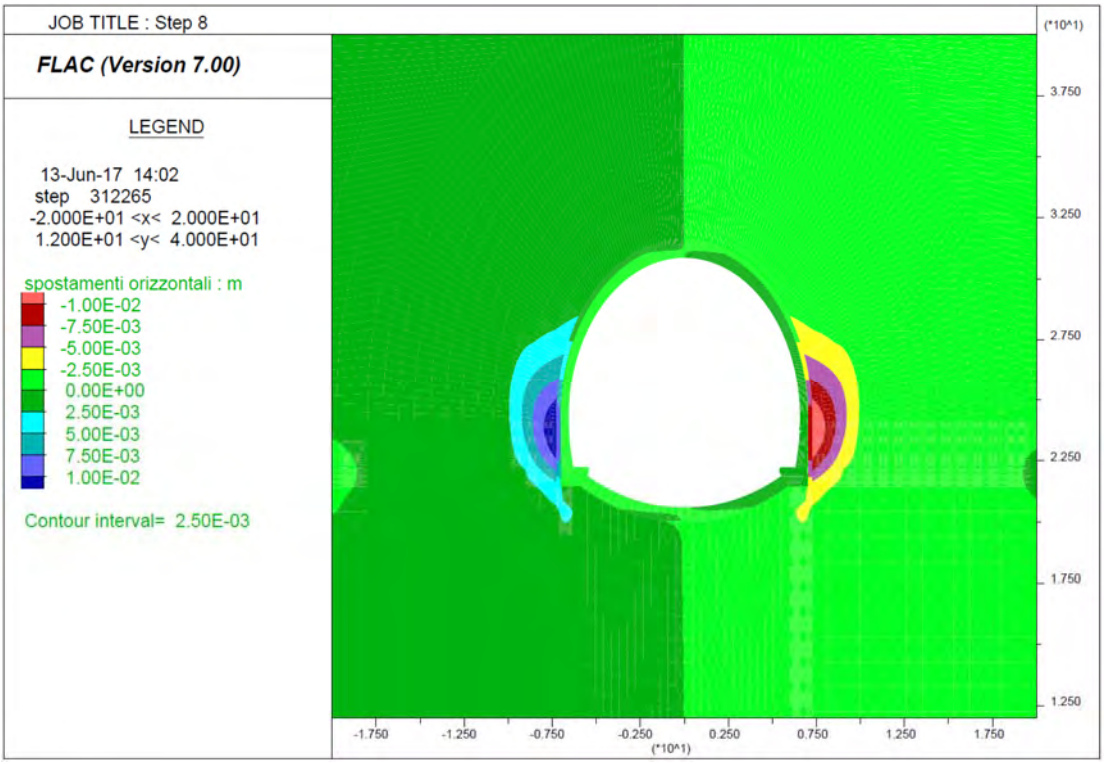


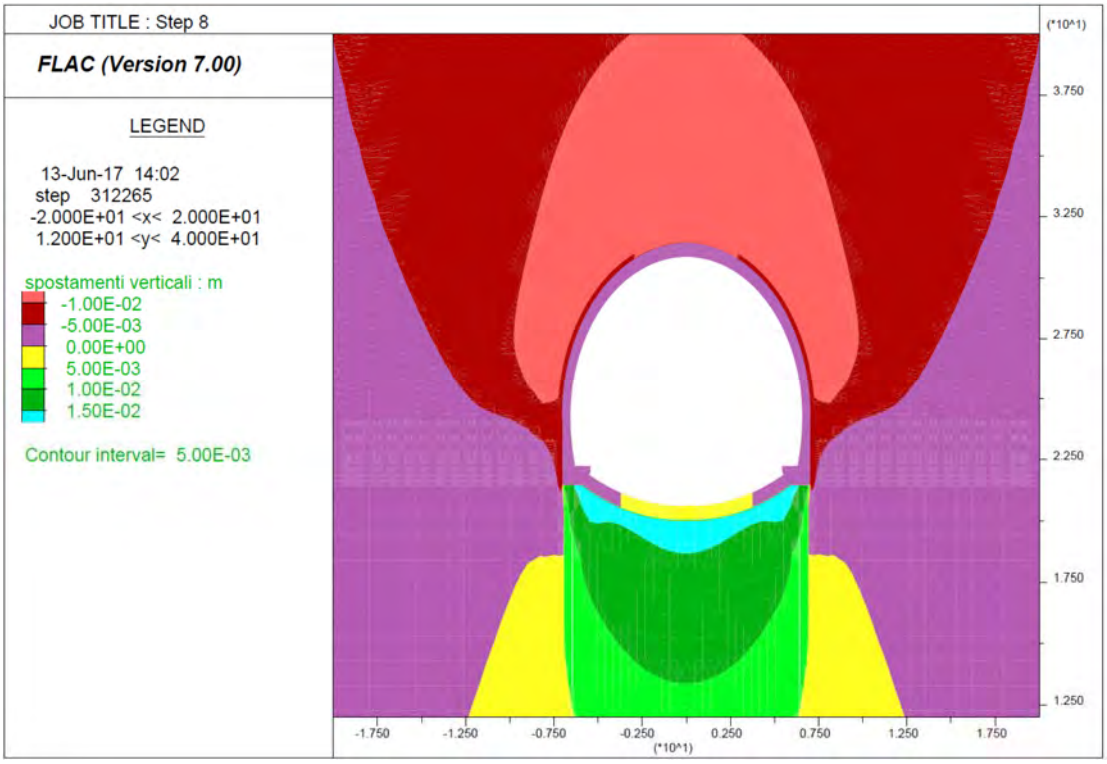

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:02
step 244911
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

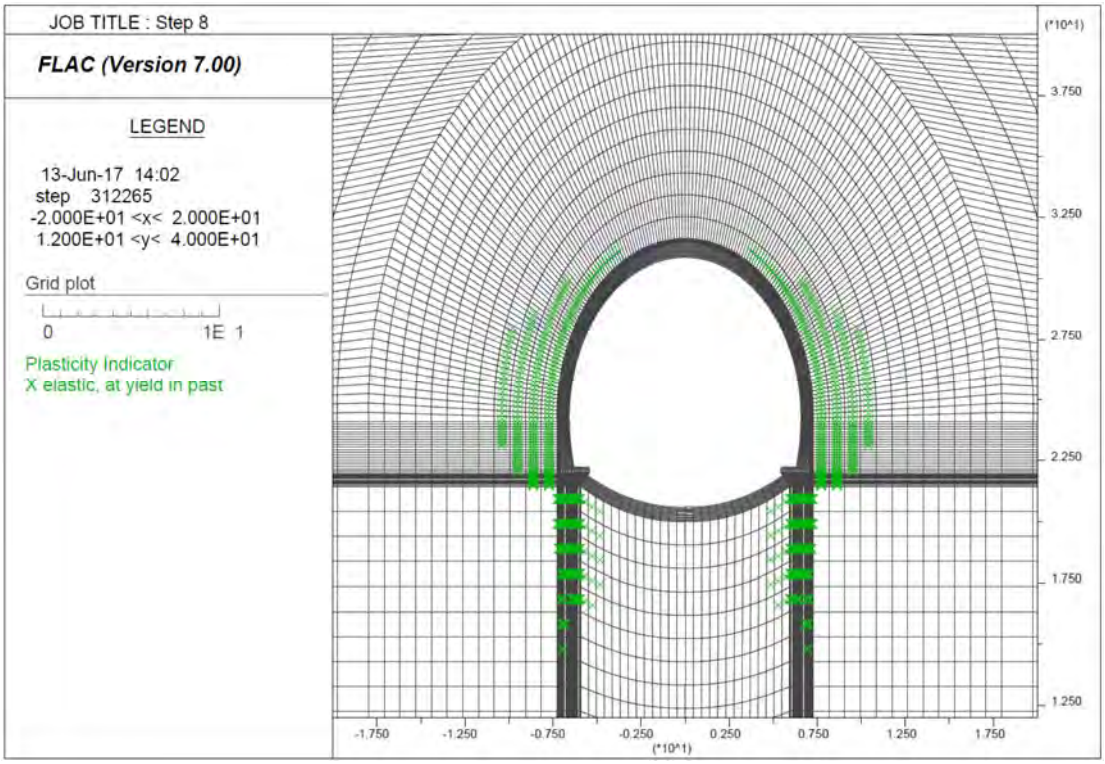

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:02
step 244911
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 8 - Getto Calotta

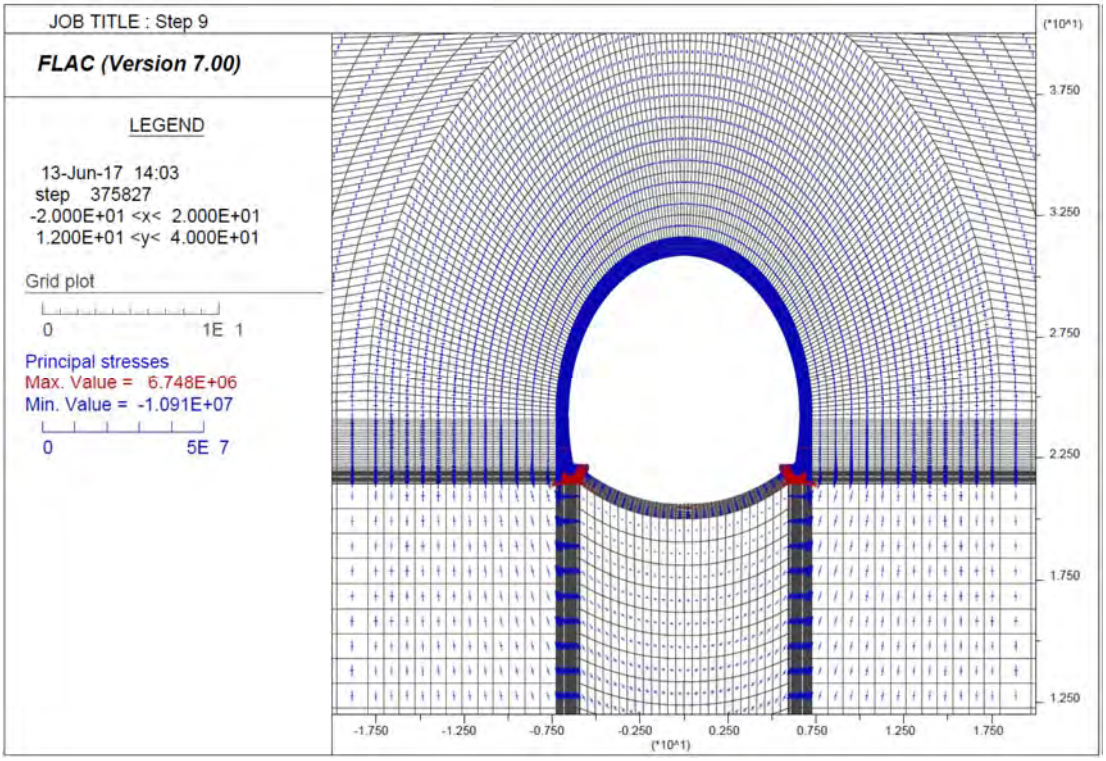


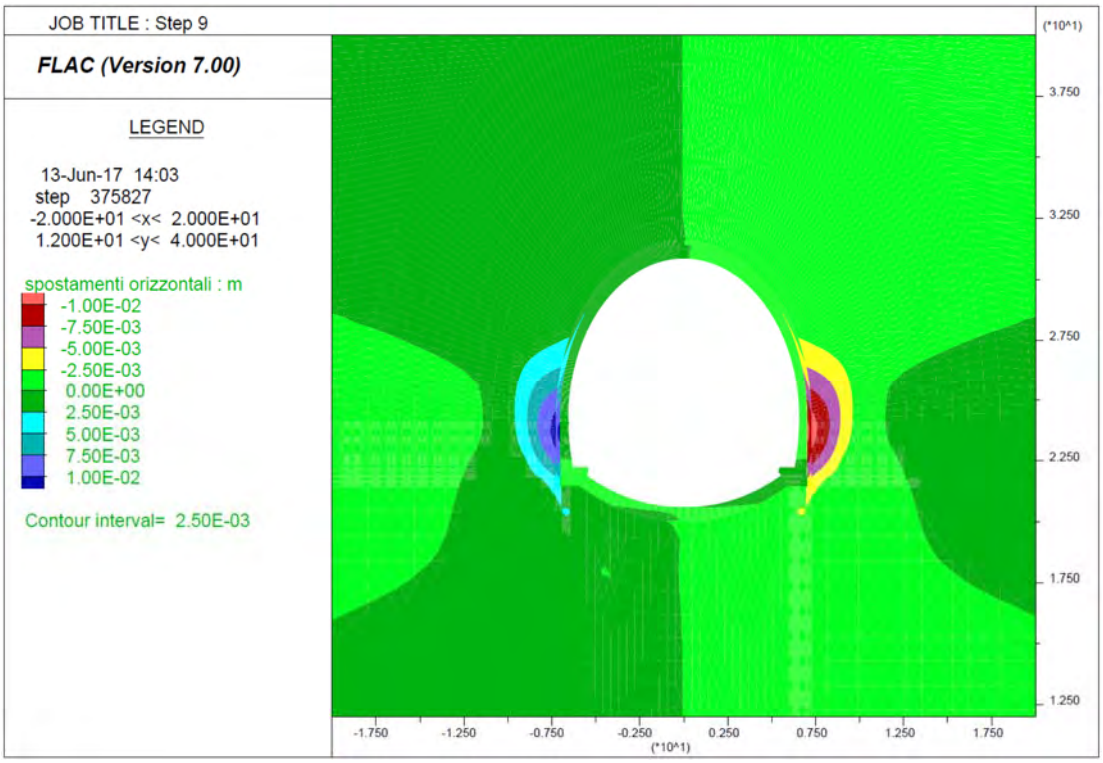


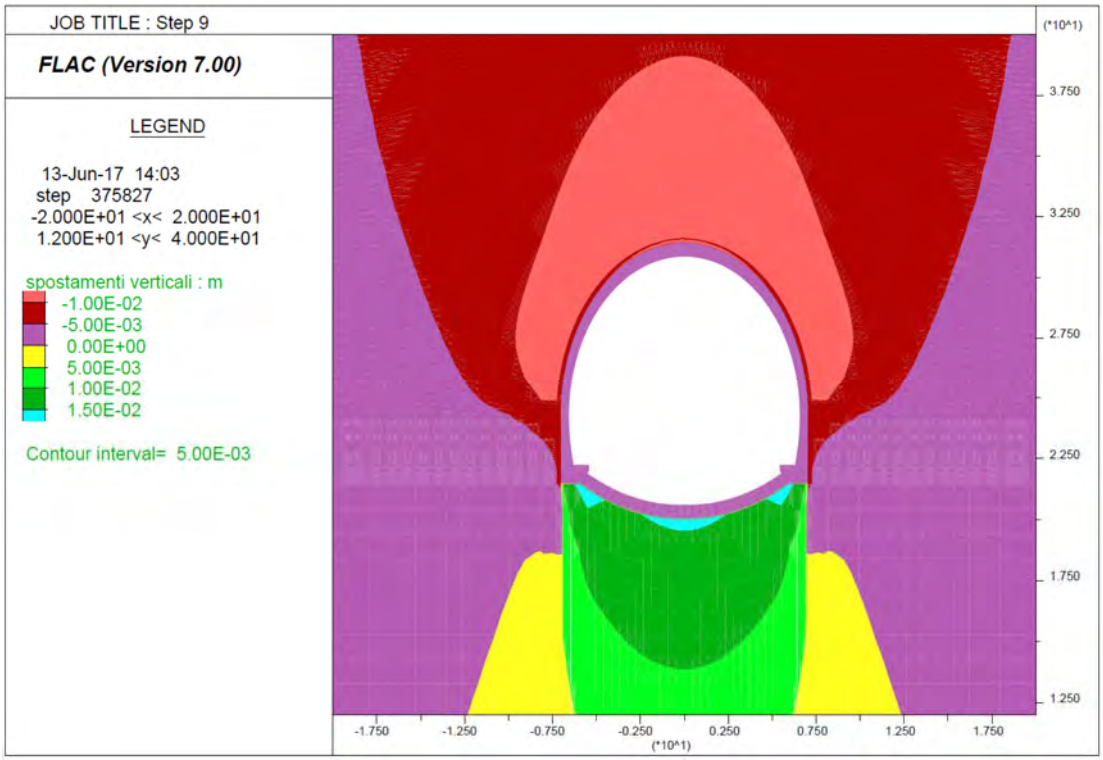

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:02
step 312265
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

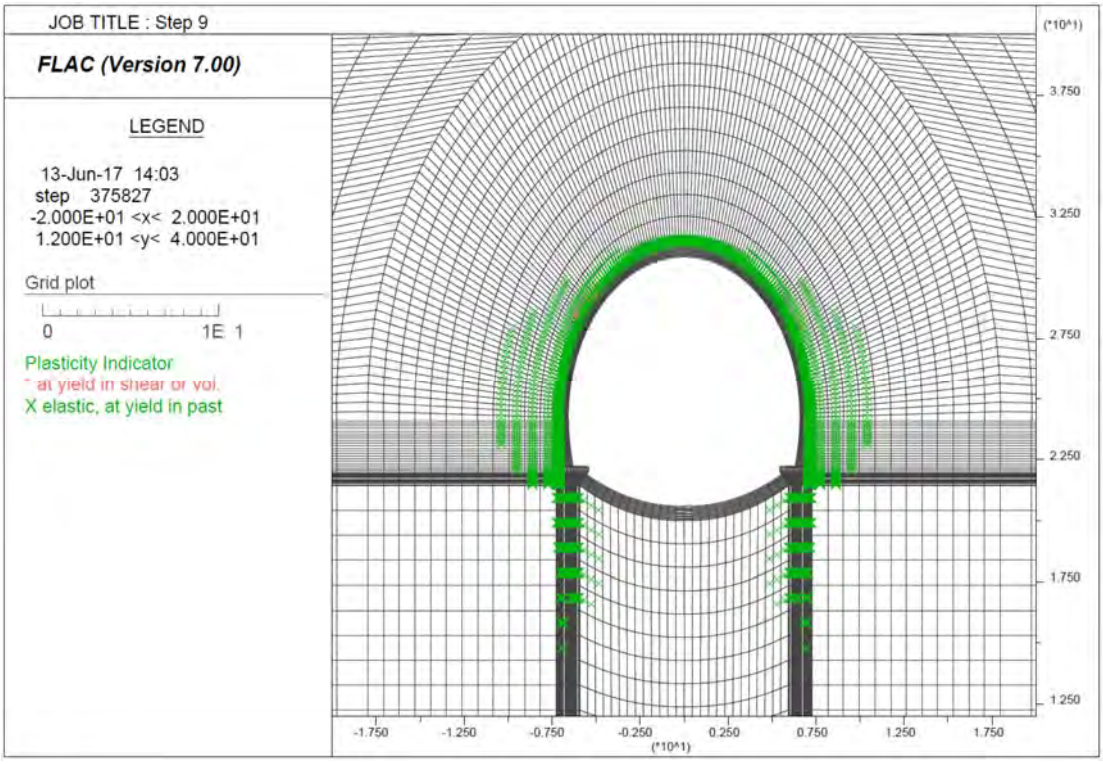

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:02
step 312265
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 9 - Decadimento dei parametri di resistenza del rivestimento provvisorio



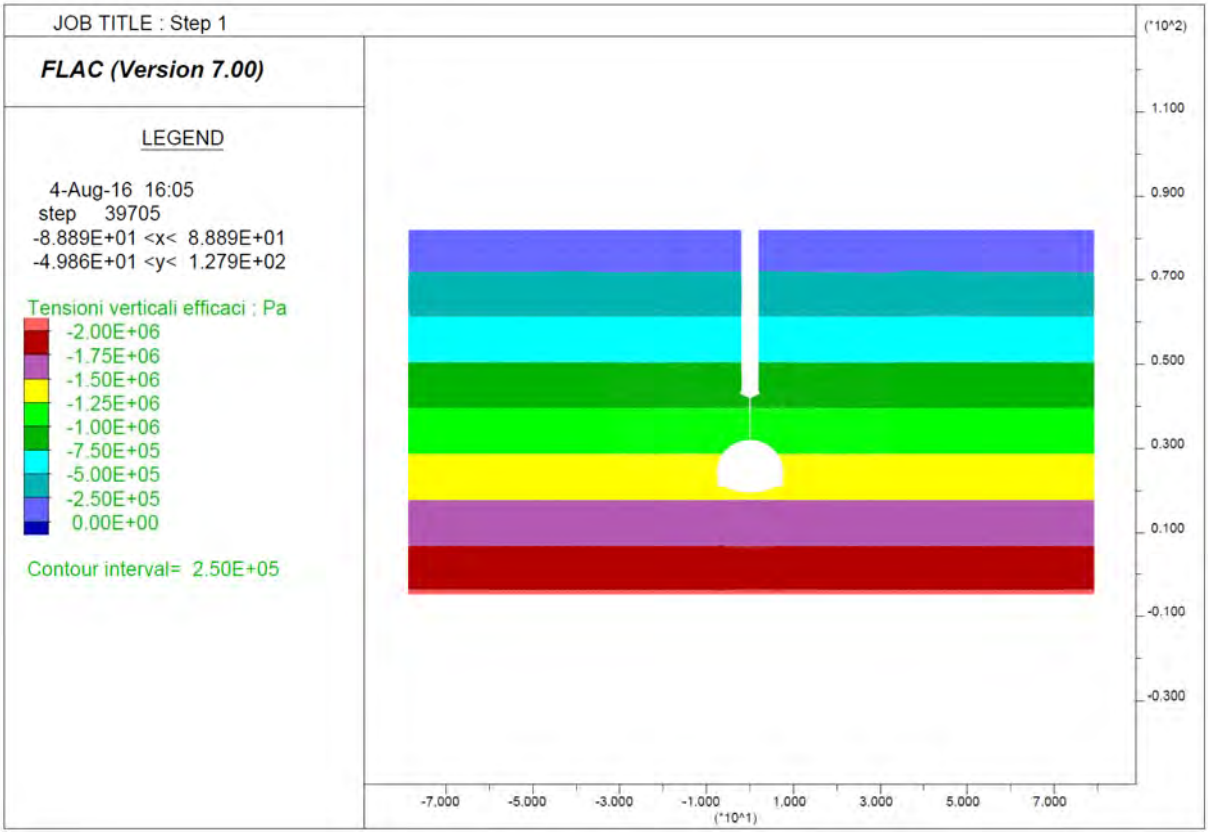


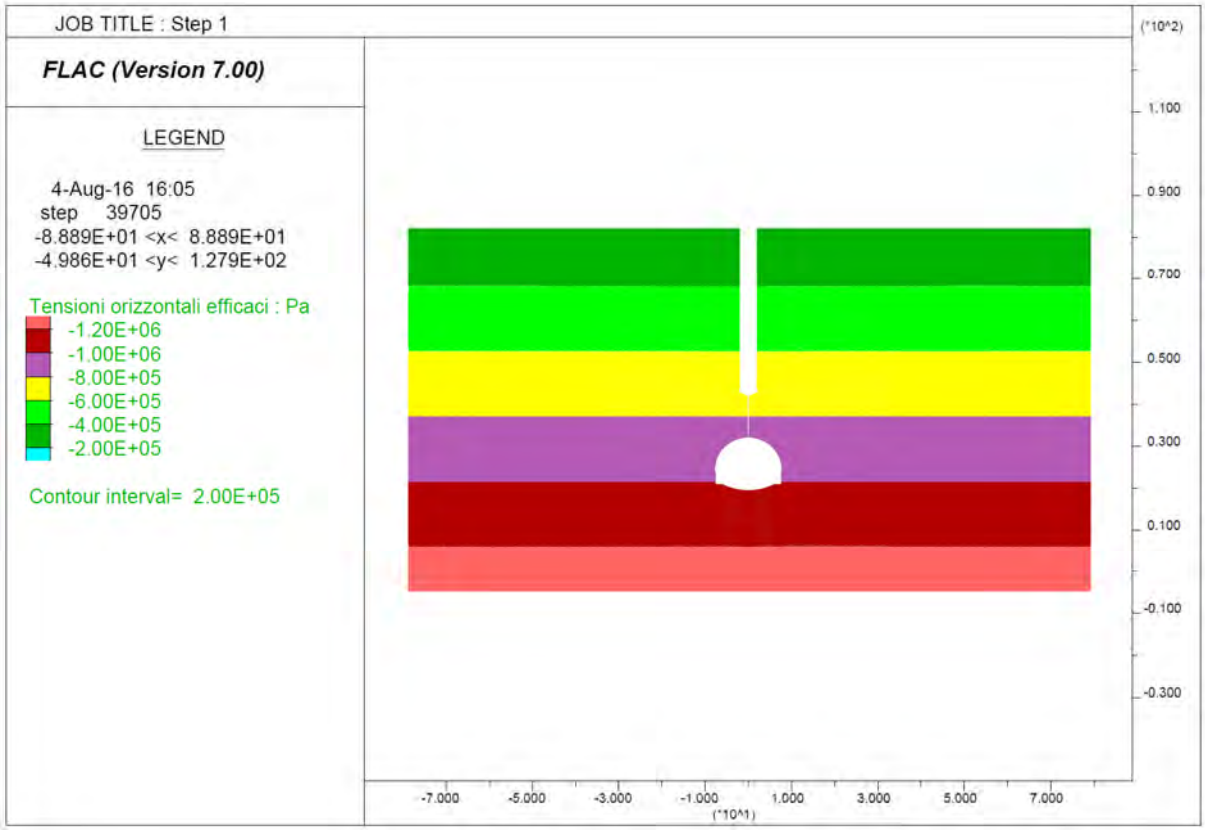

JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:03
step 375827
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)


JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
13-Jun-17 14:03
step 375827
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
" at yield in shear or vol.
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

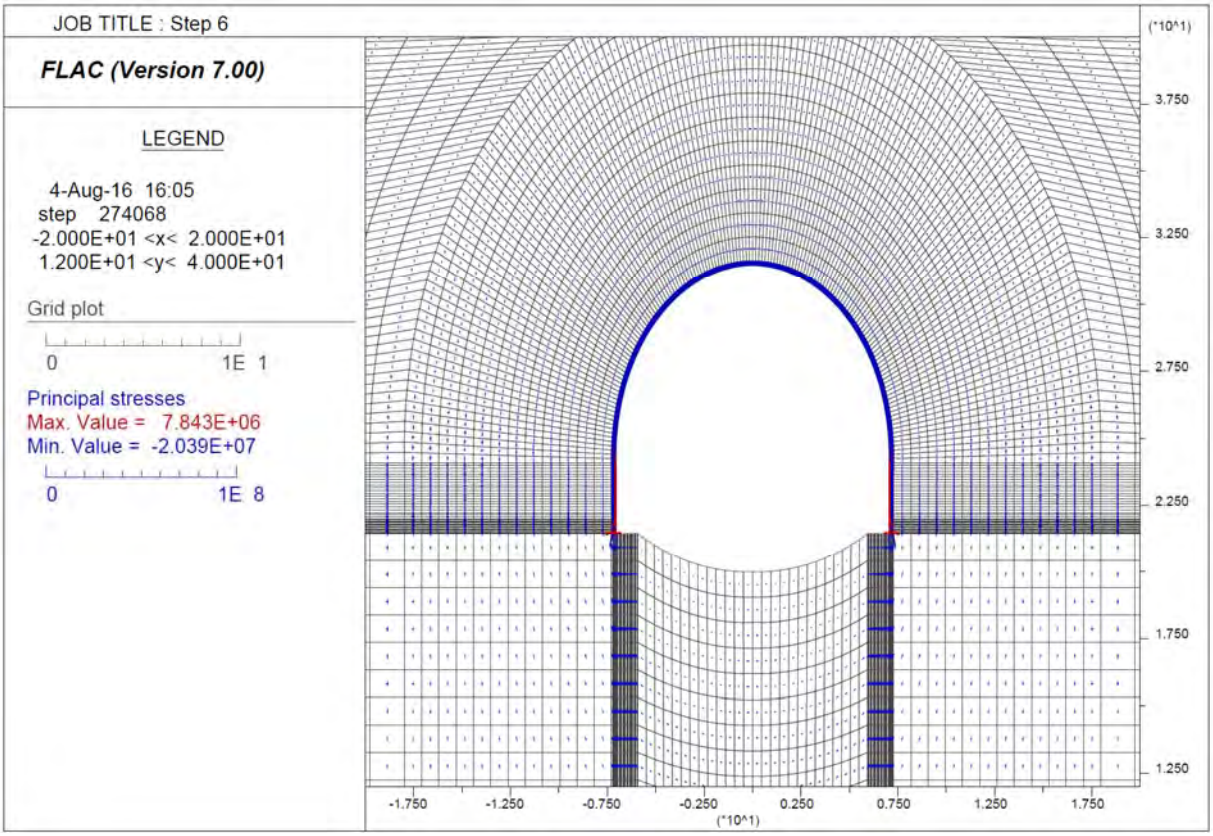
Output Flac – Sezione tipo B0 – Parametri res min – Copertura di calcolo = 50 m

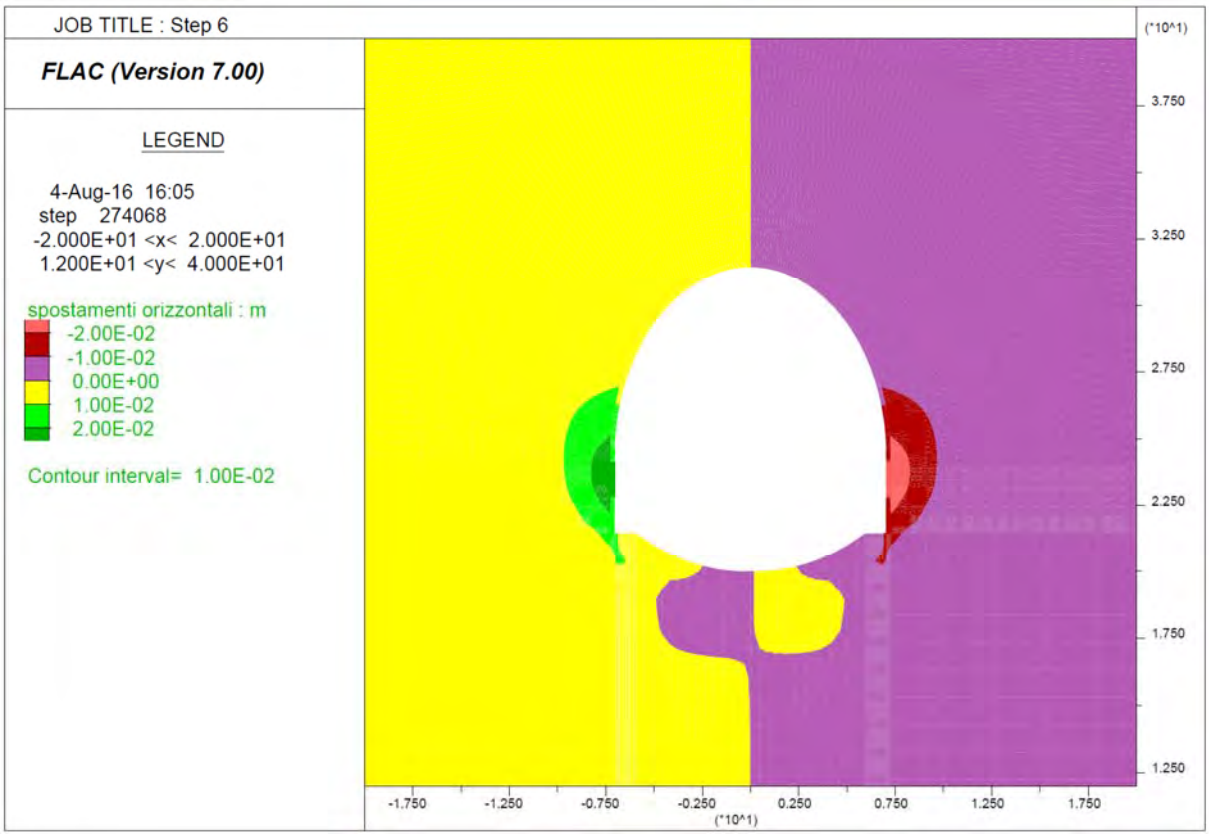
Step 1 – Tensioni litostatiche

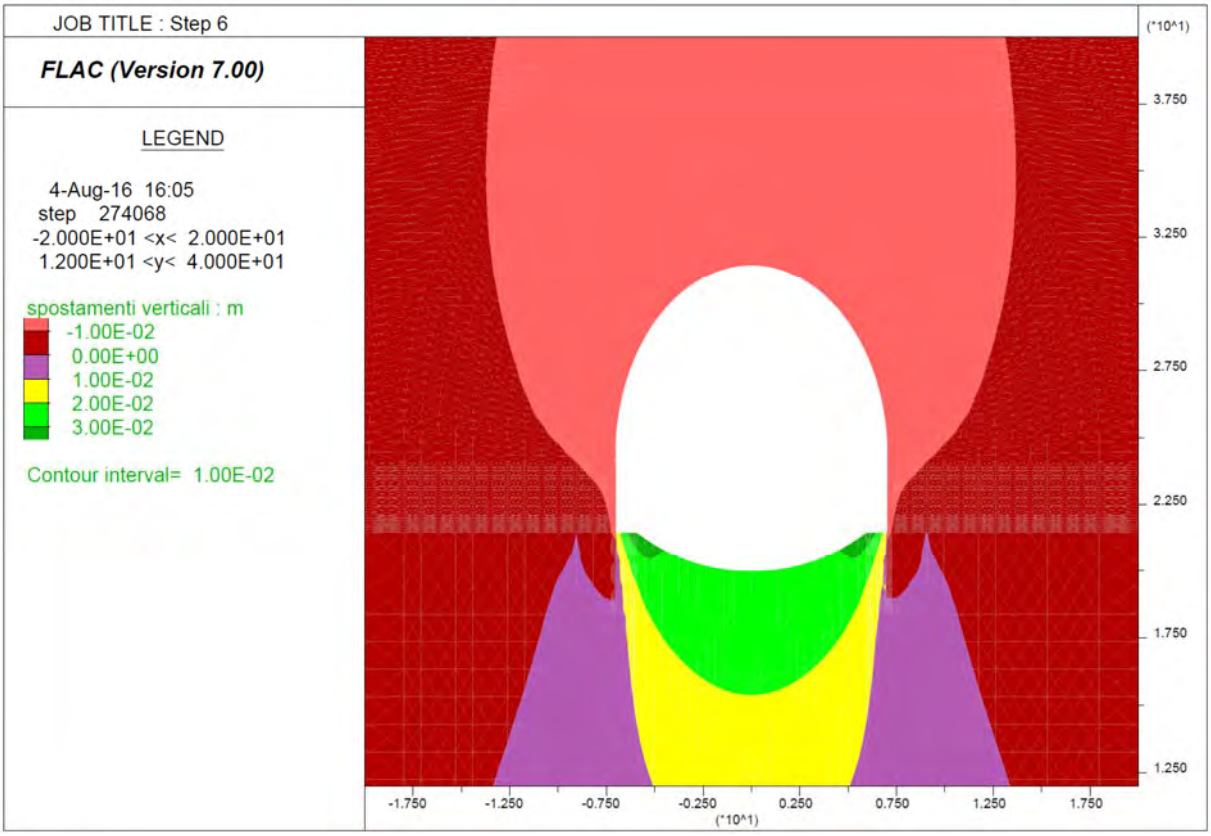


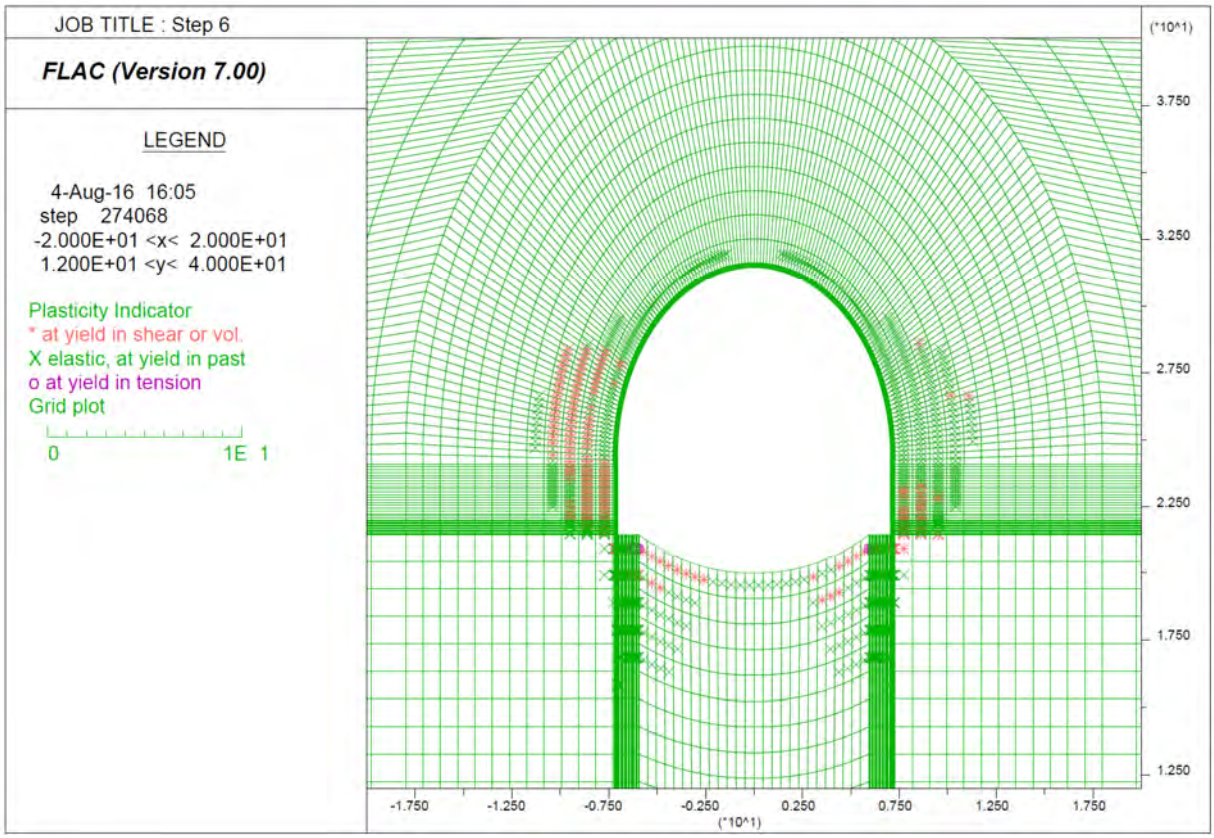


Step 6 – Avanzamento fino a deformazioni esaurite

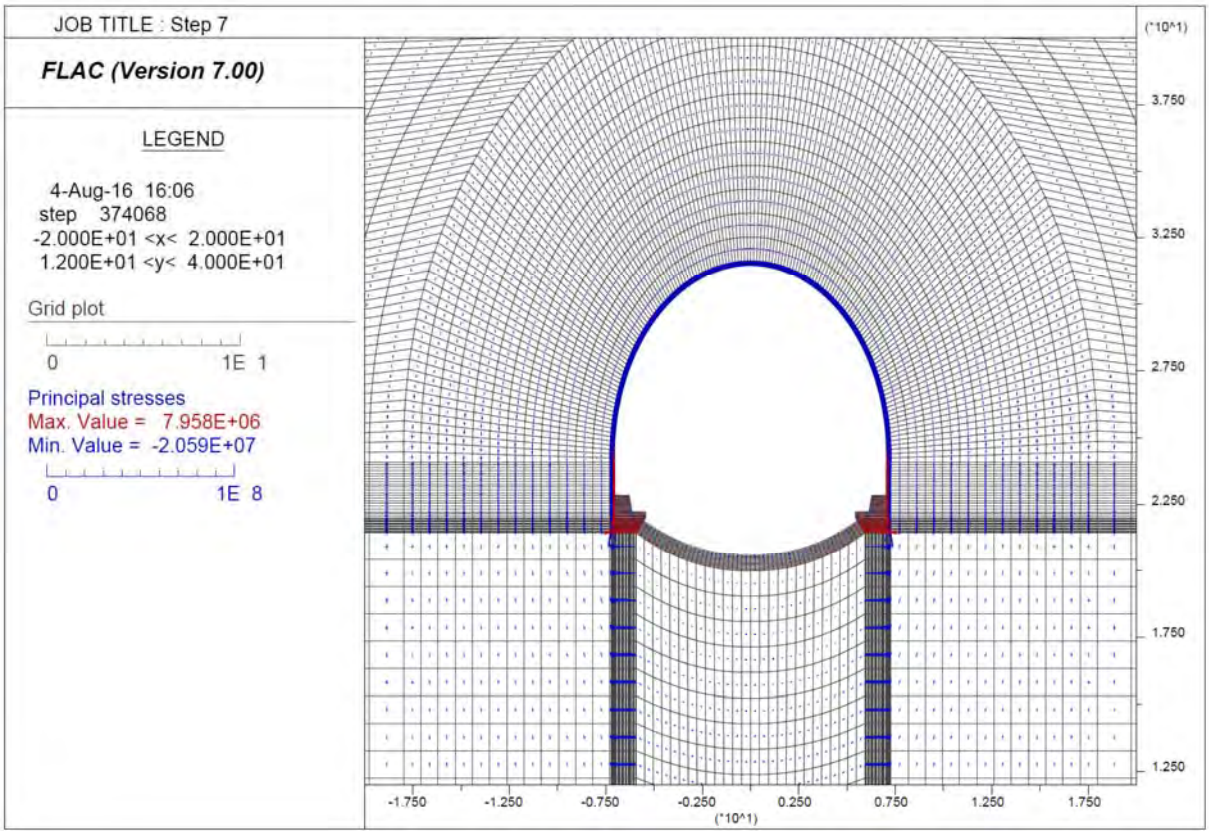


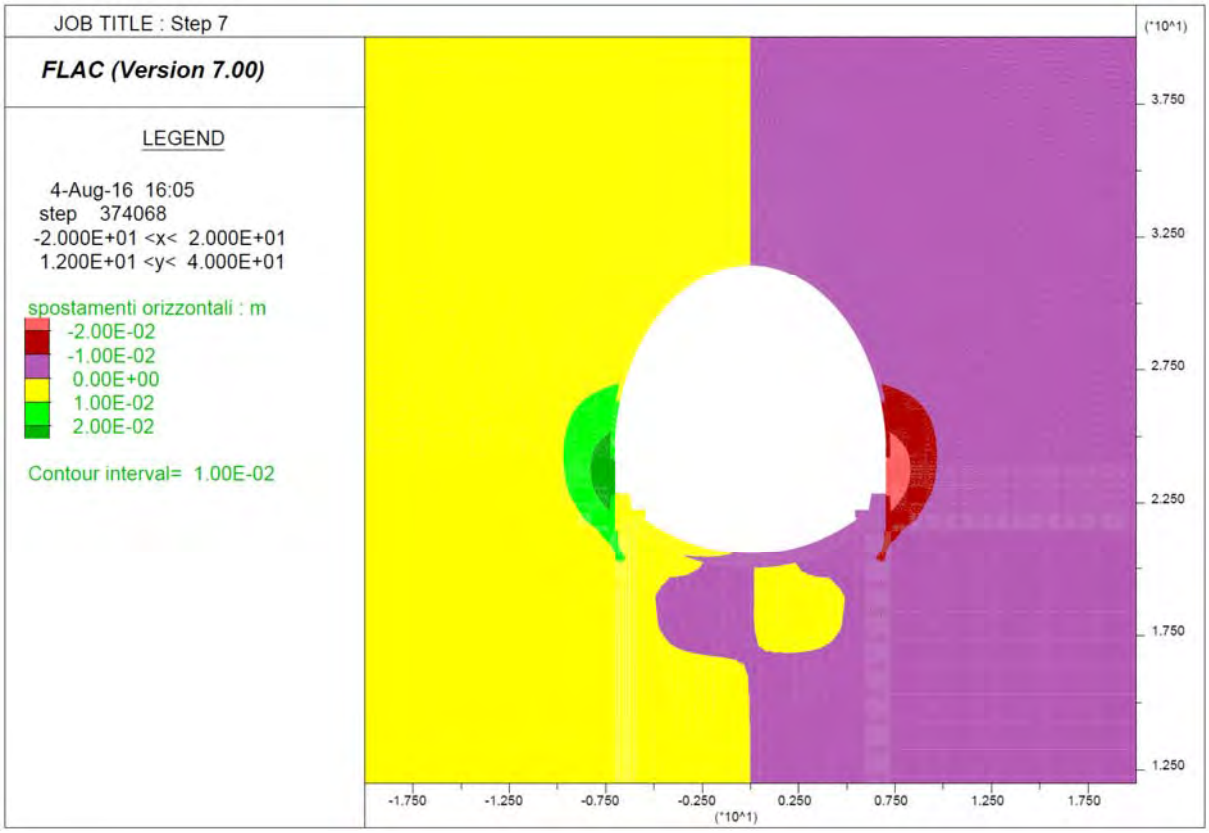


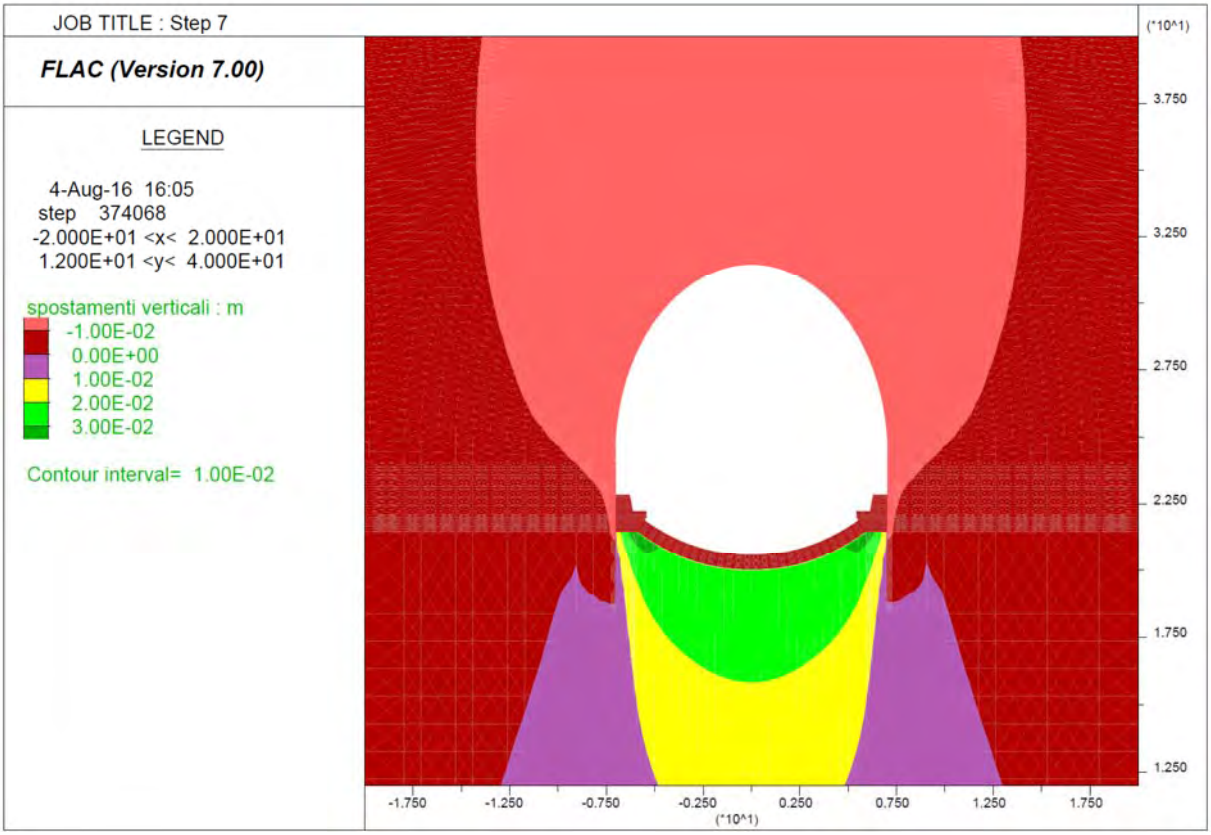

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
4-Aug-16 16:05
step 274068
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

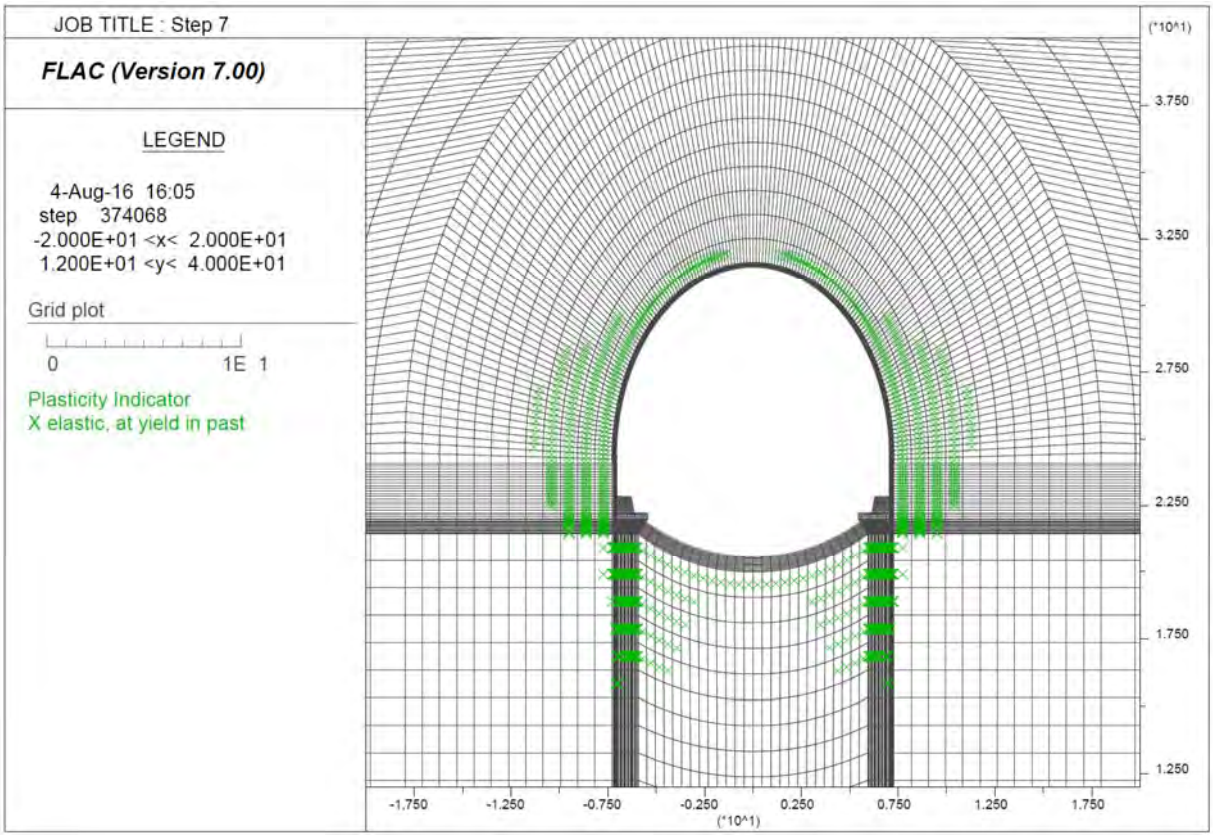

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
4-Aug-16 16:05
step 274068
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
o at yield in tension
Grid plot
0
1E 1
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 7 - Getto arco rovescio e muretta

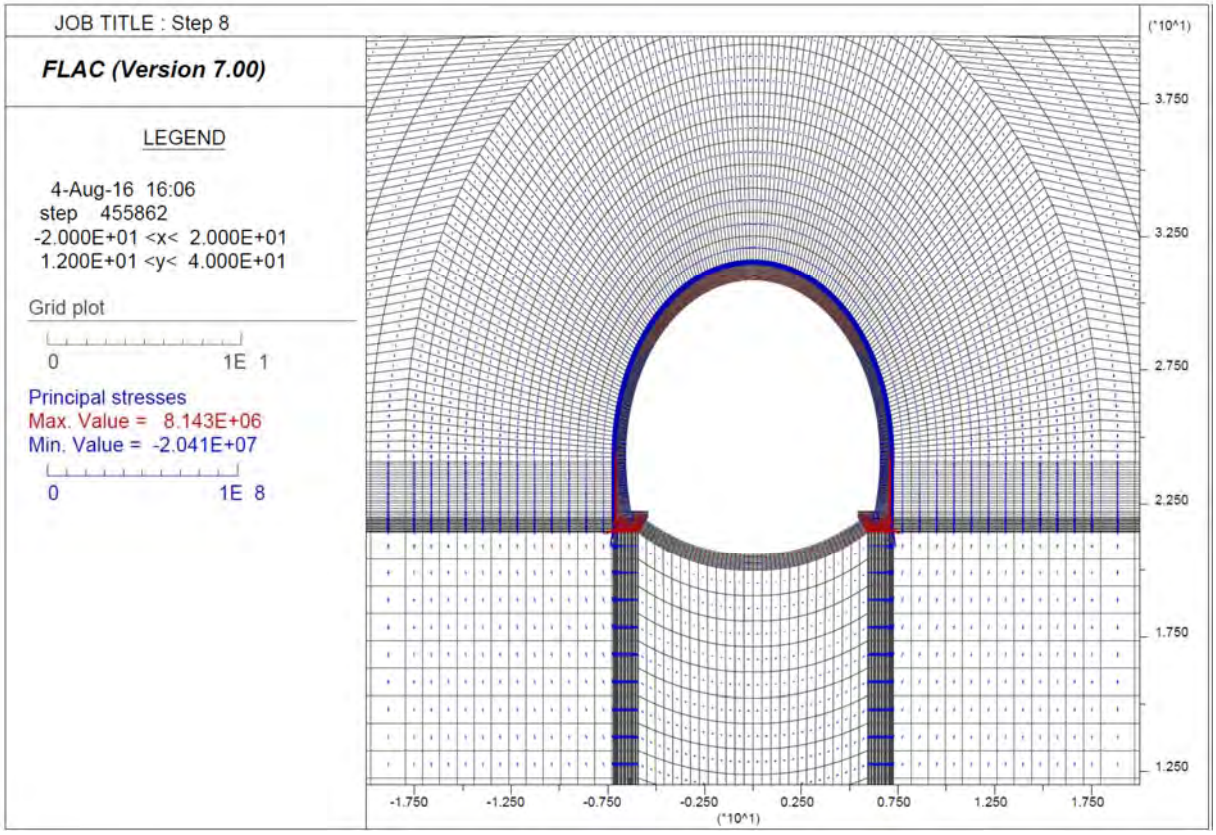


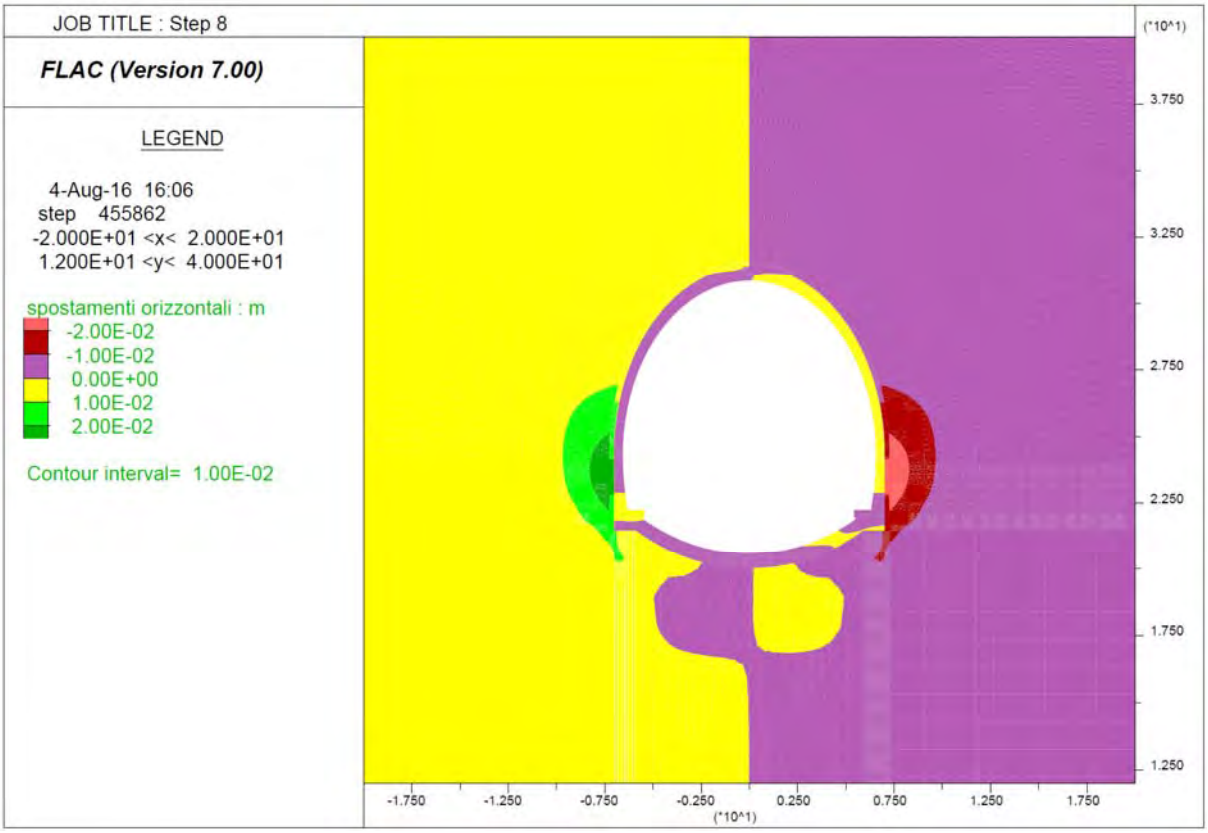


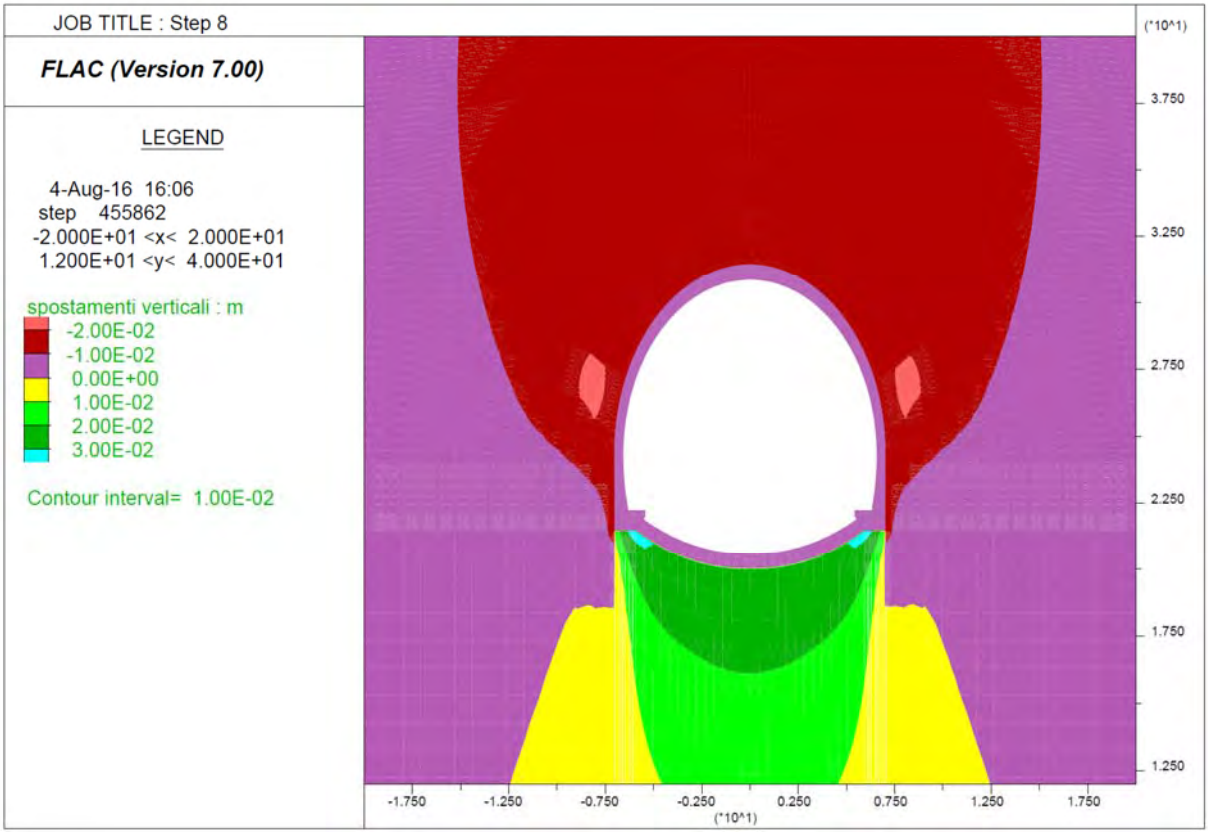

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
4-Aug-16 16:05
step 374068
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

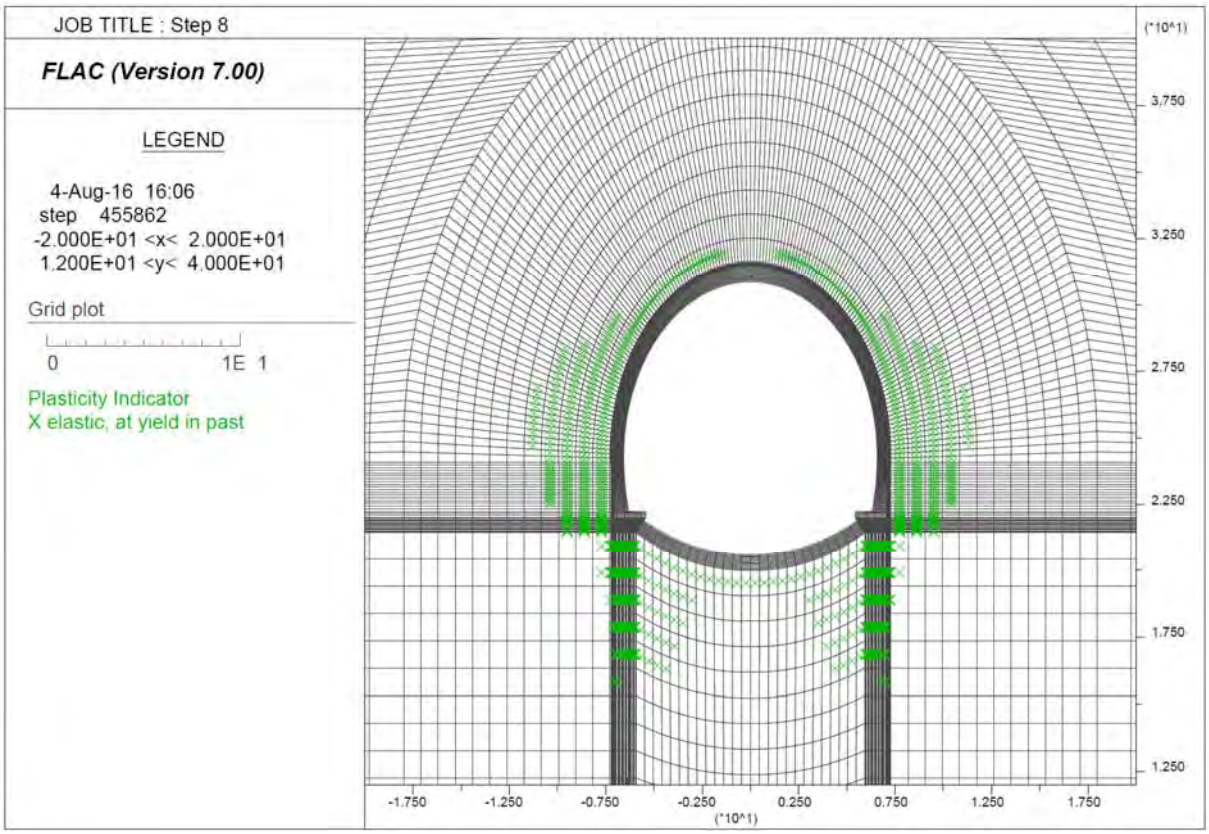

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
4-Aug-16 16:05
step 374068
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 8 - Getto Calotta

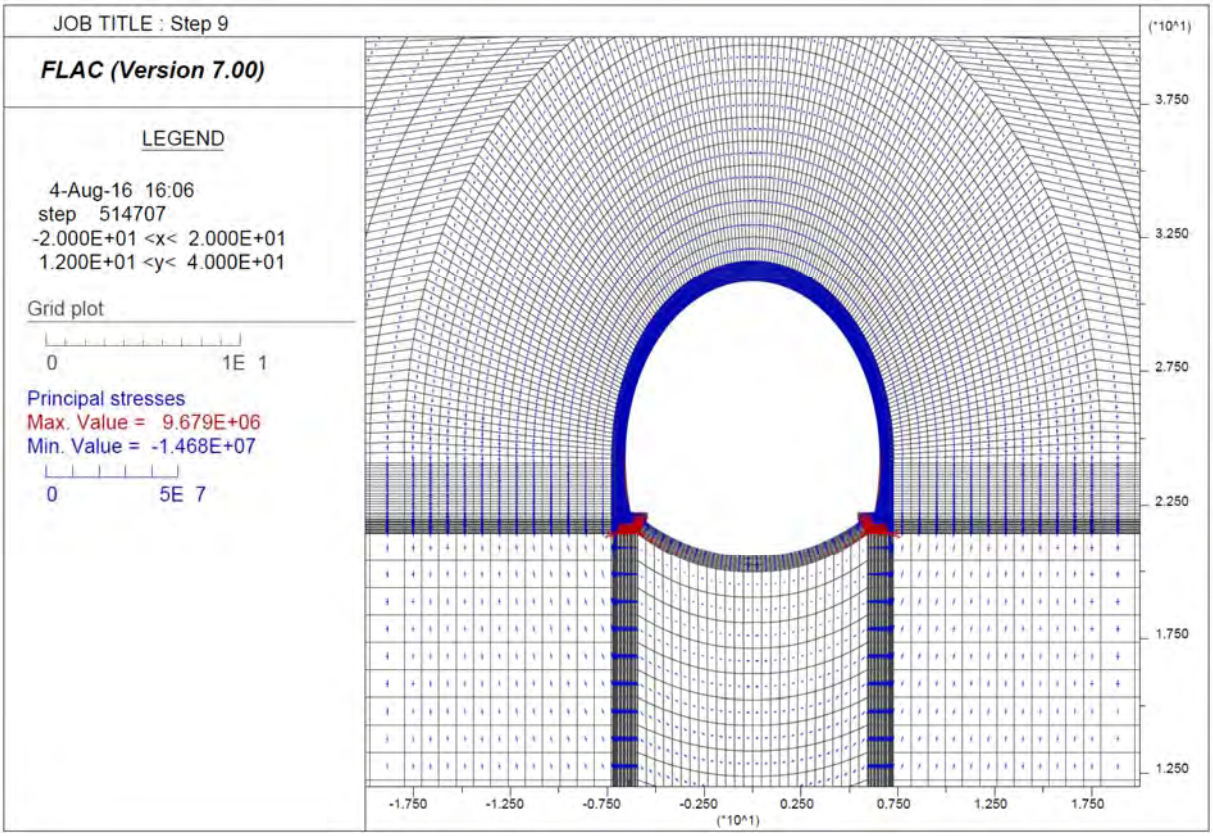


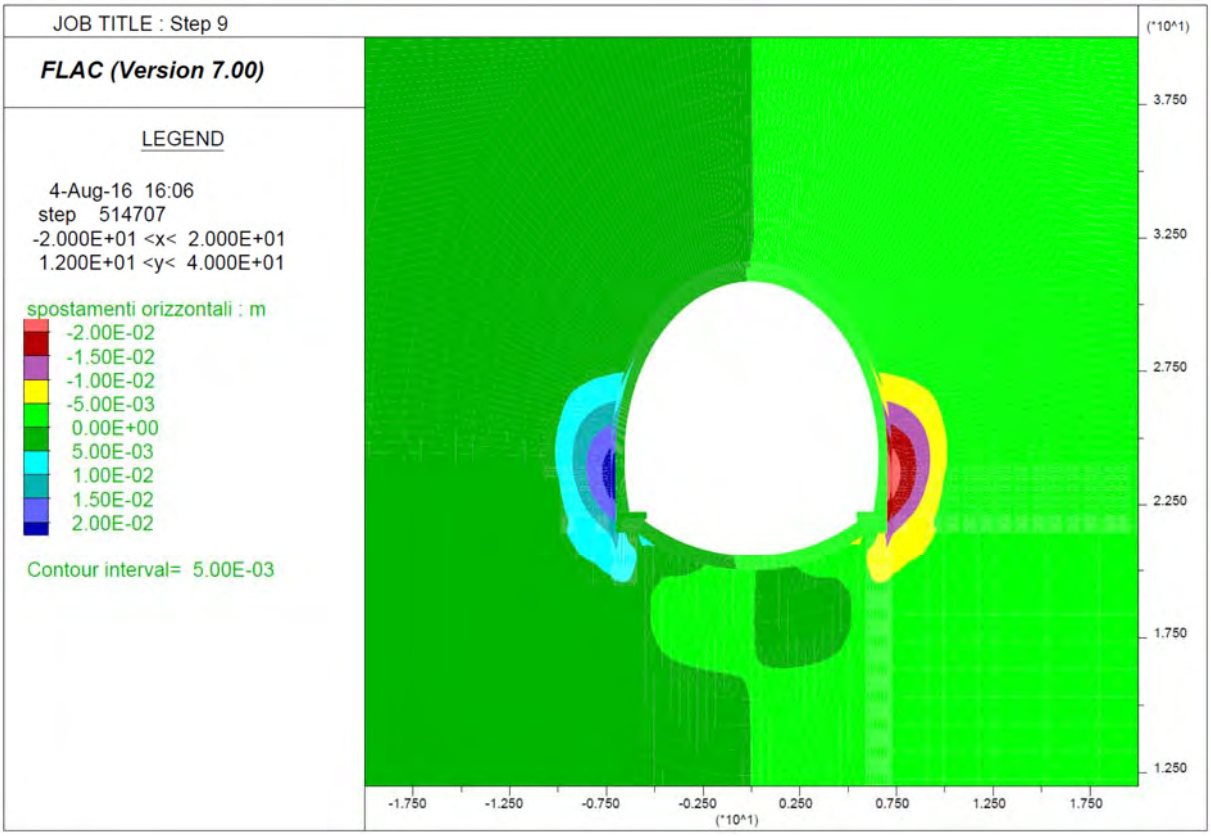


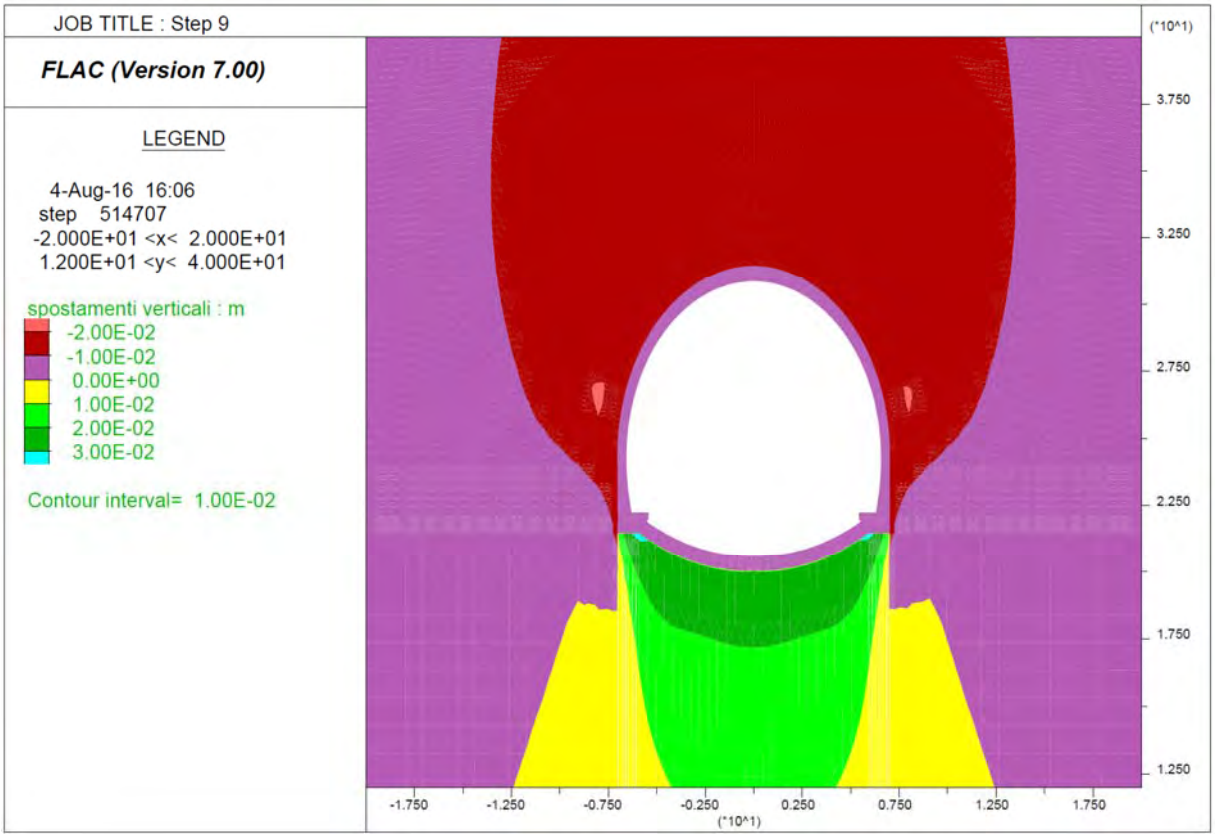

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
4-Aug-16 16:06
step 455862
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-2.00E-02
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

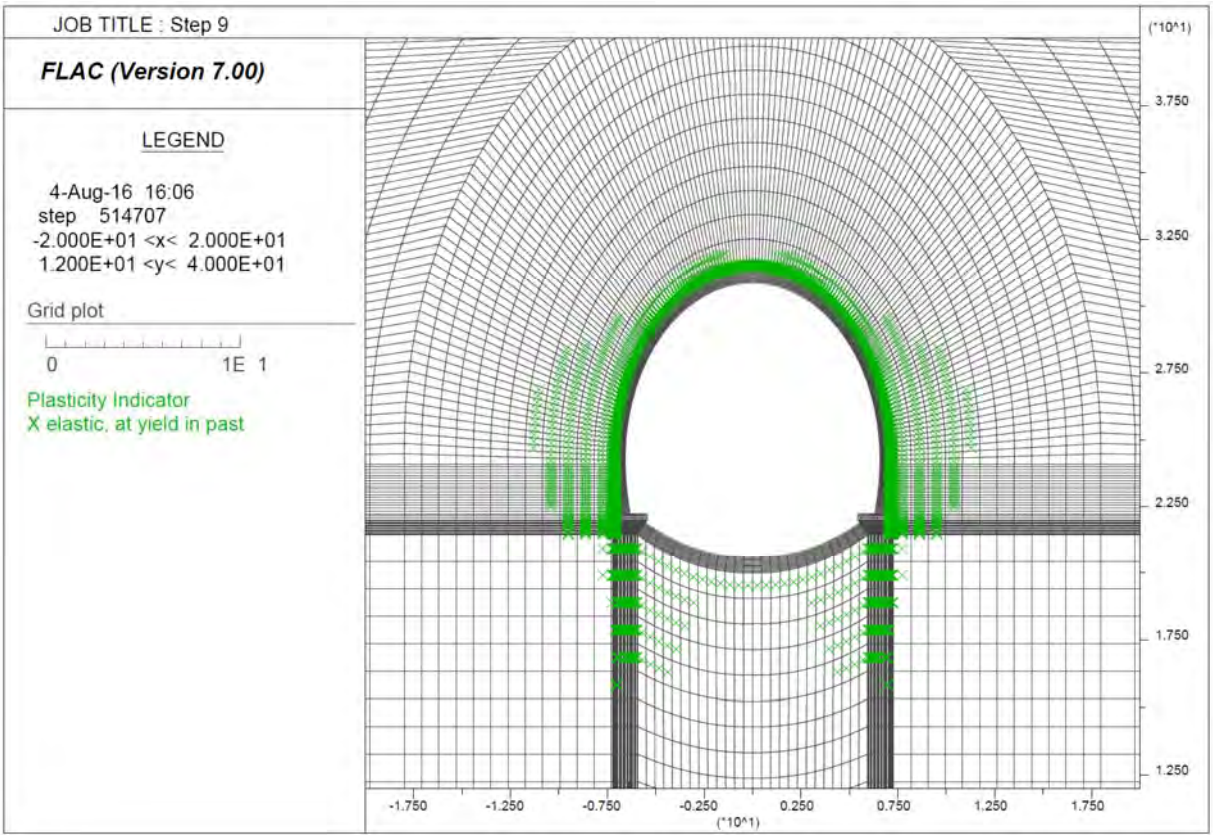

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
4-Aug-16 16:06
step 455862
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 9 - Decadimento dei parametri di resistenza del rivestimento provvisorio



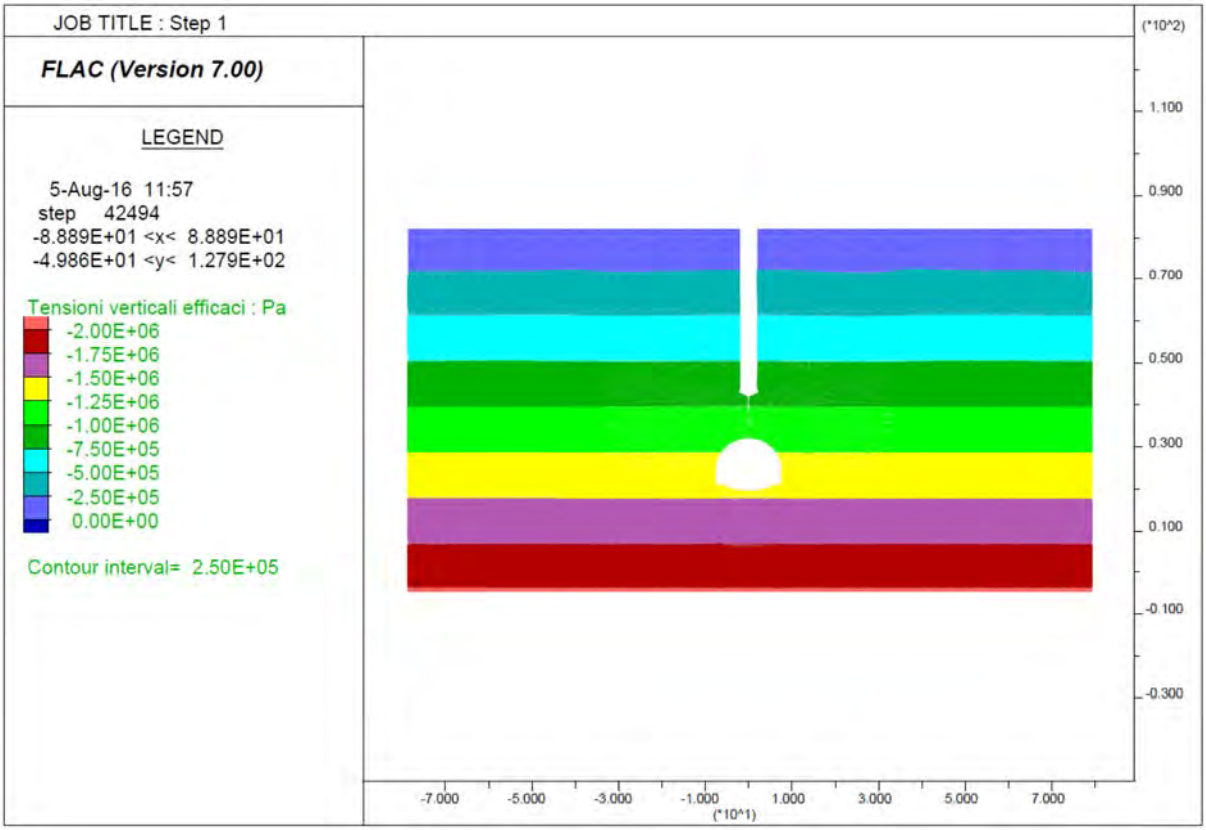


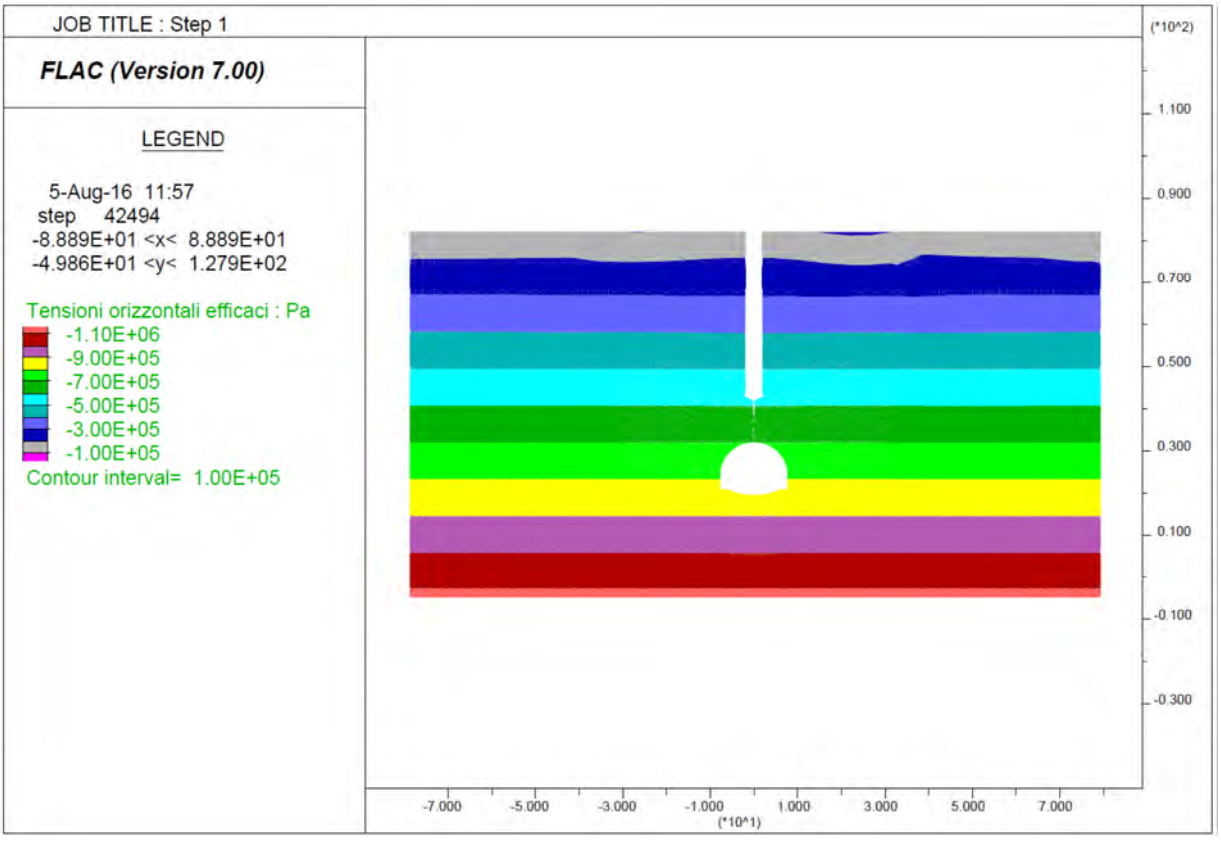

JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
4-Aug-16 16:06
step 514707
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-2.00E-02
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)


JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
4-Aug-16 16:06
step 514707
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

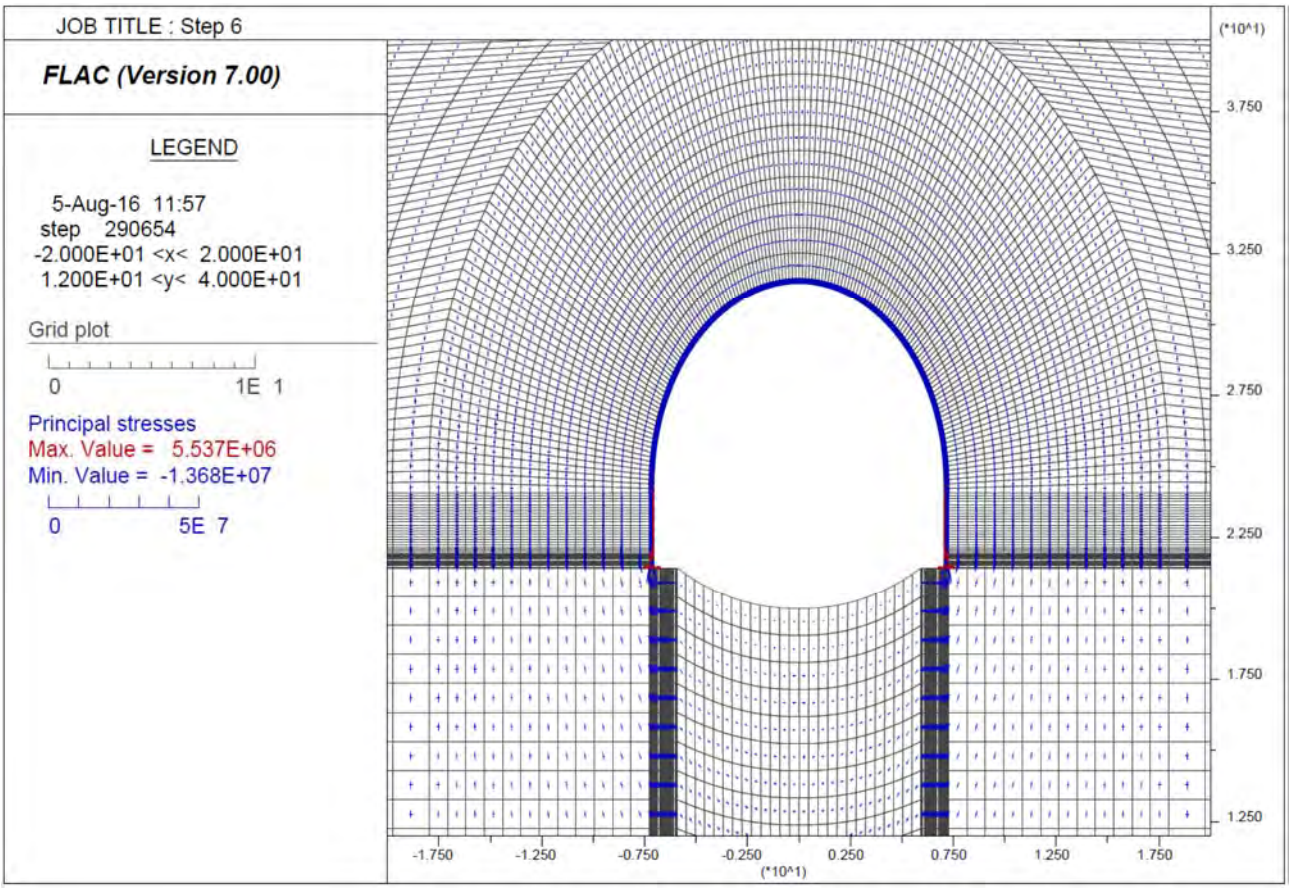
Output Flac – Sezione tipo B0 – Parametri res max – Copertura di calcolo = 50 m

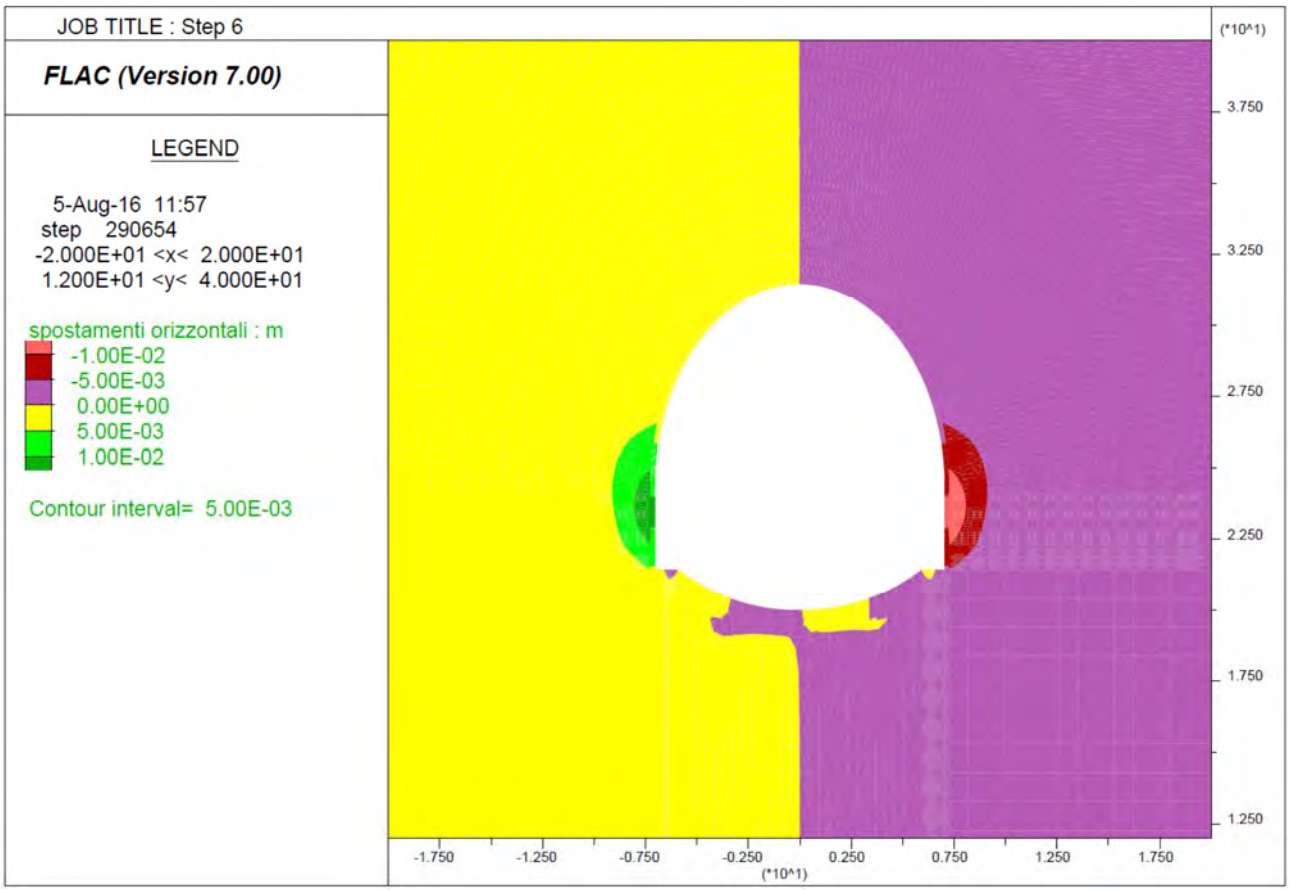
Step 1 – Tensioni litostatiche

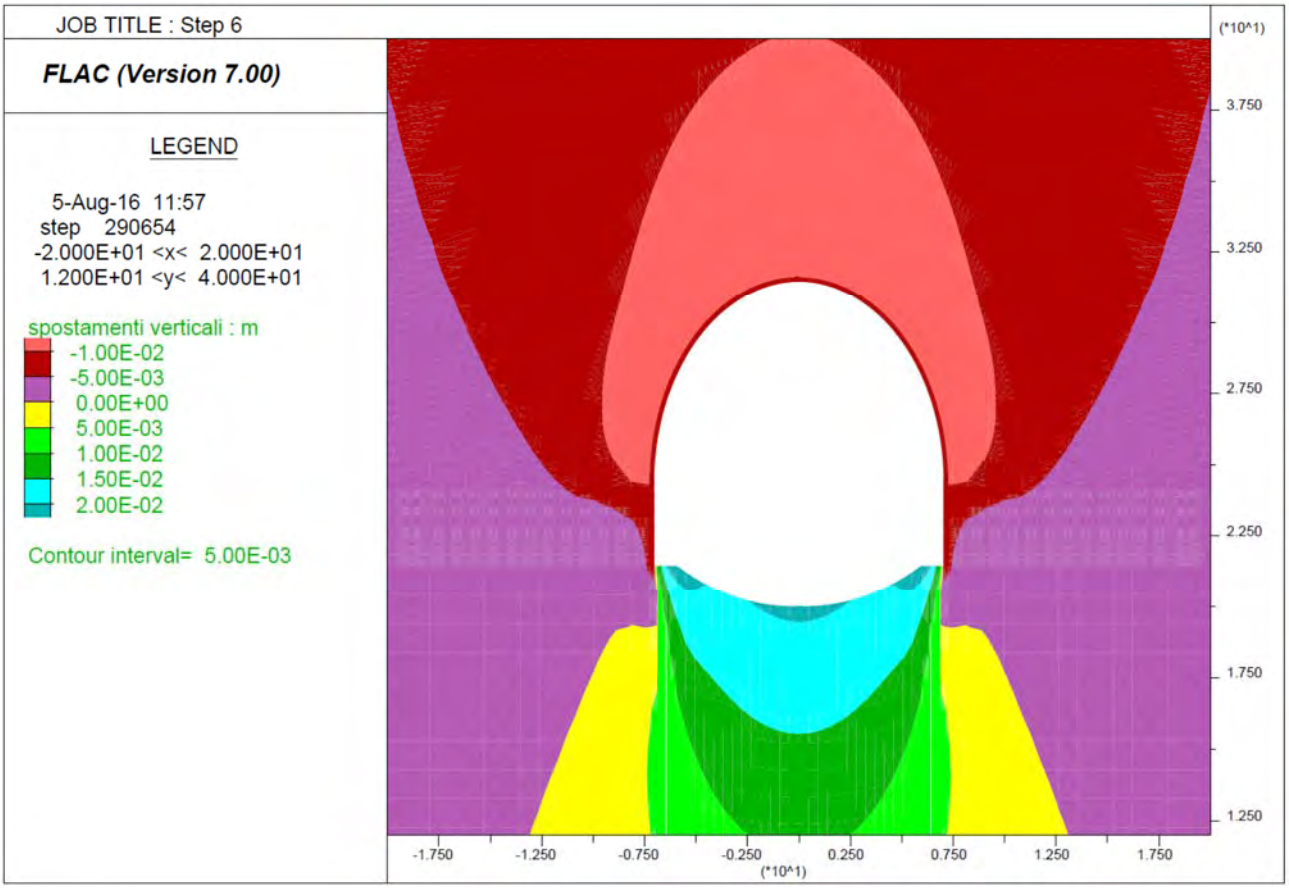


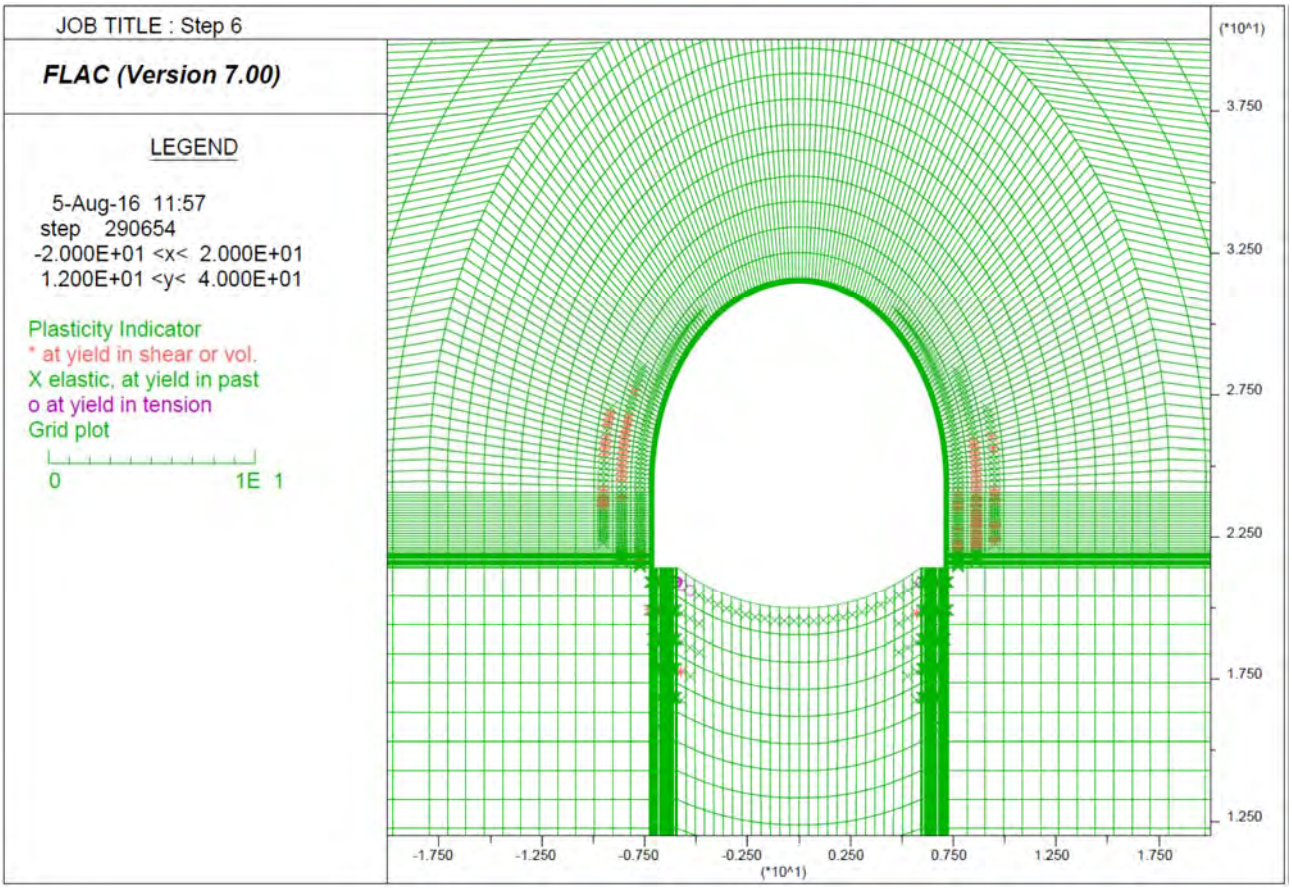


Step 6 – Avanzamento fino a 2D

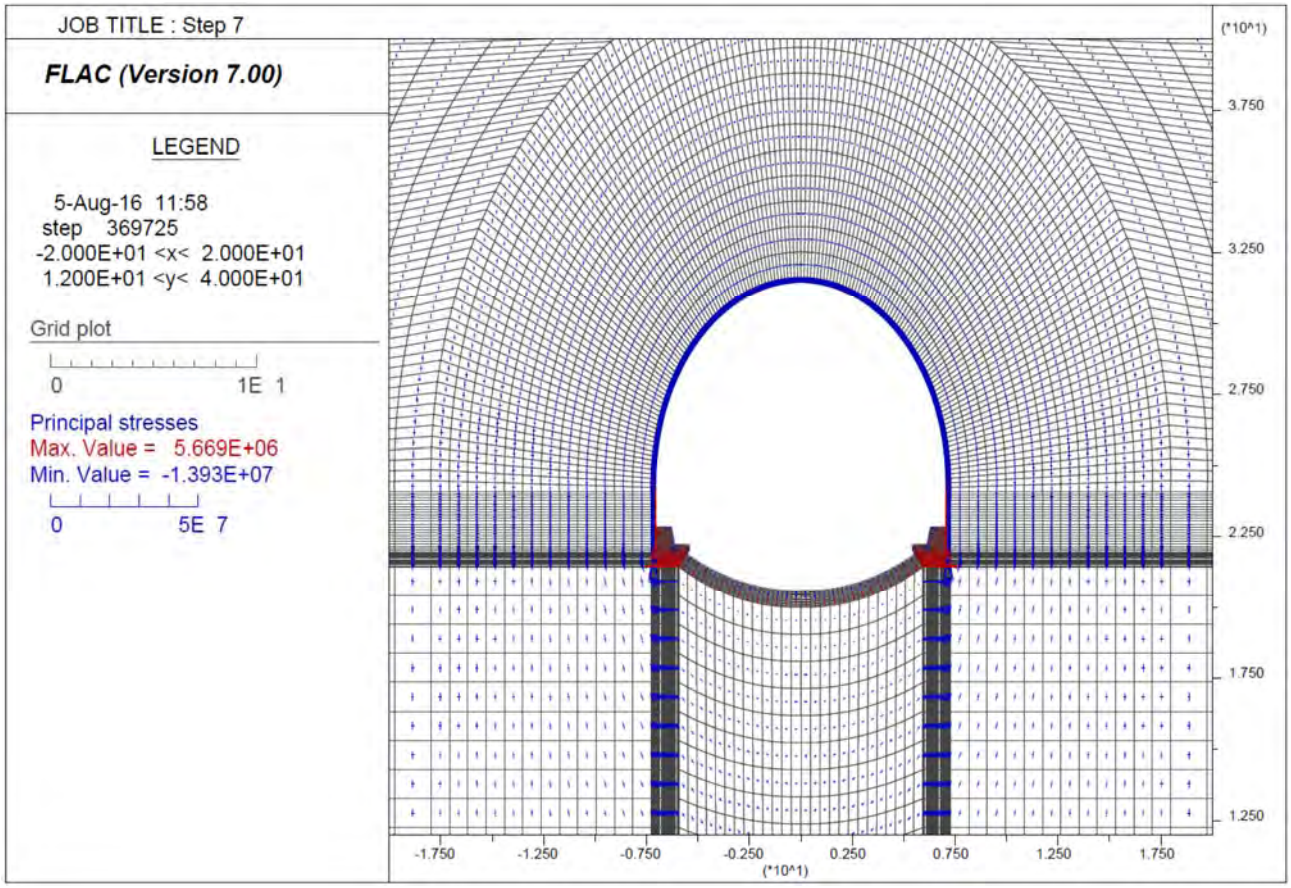


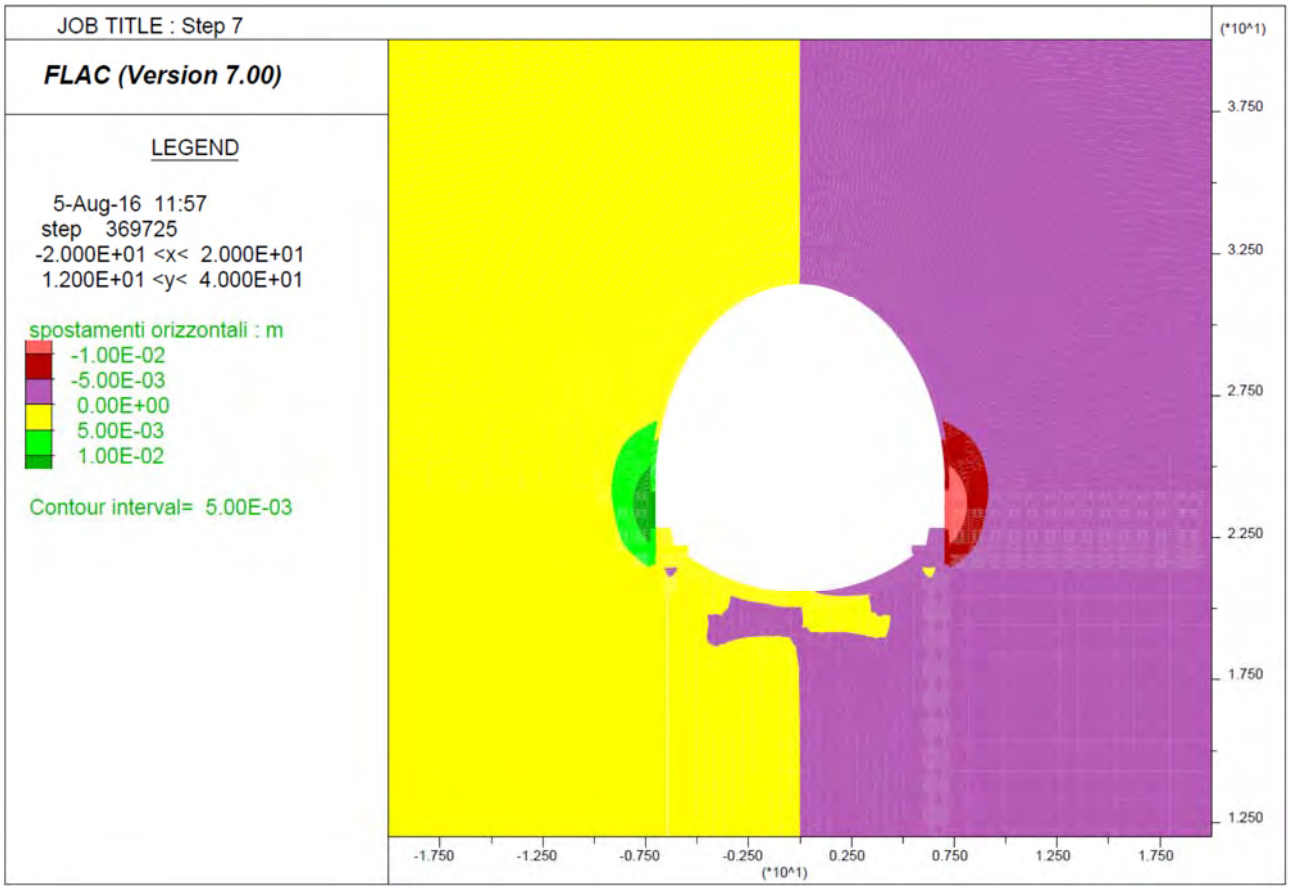



JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
5-Aug-16 11:57
step 290654
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
2.00E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)


JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
5-Aug-16 11:57
step 290654
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
o at yield in tension
Grid plot
0
1E 1
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 7 - Getto arco rovescio e muretta a 2D e avanzamento fino a deformazioni esaurite





JOB TITLE : Step 7

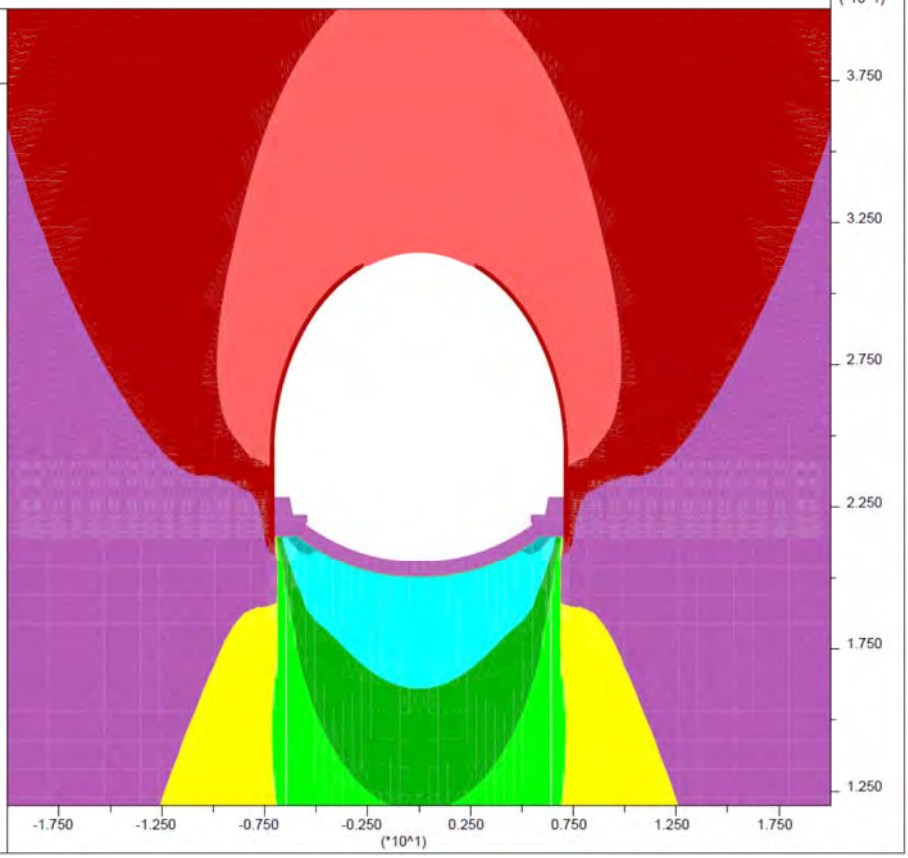
FLAC (Version 7.00)

LEGEND

5-Aug-16 11:58
step 369725
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01

spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
2.00E-02

Contour interval= 5.00E-03



JOB TITLE : Step 7

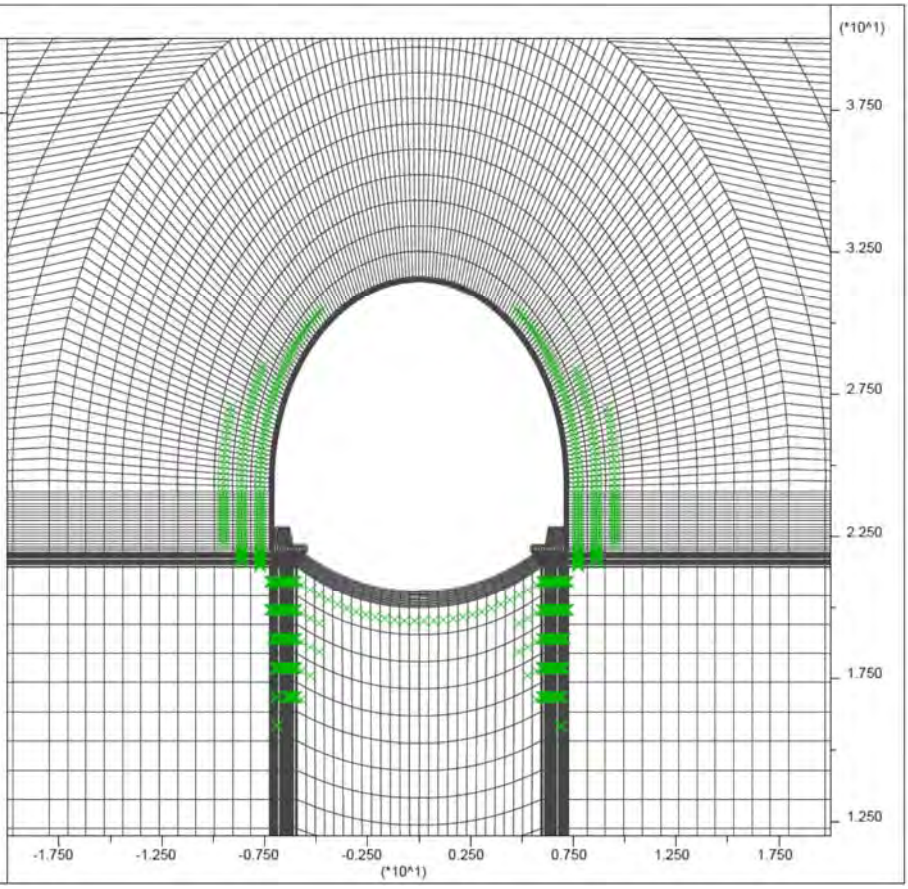
FLAC (Version 7.00)

LEGEND

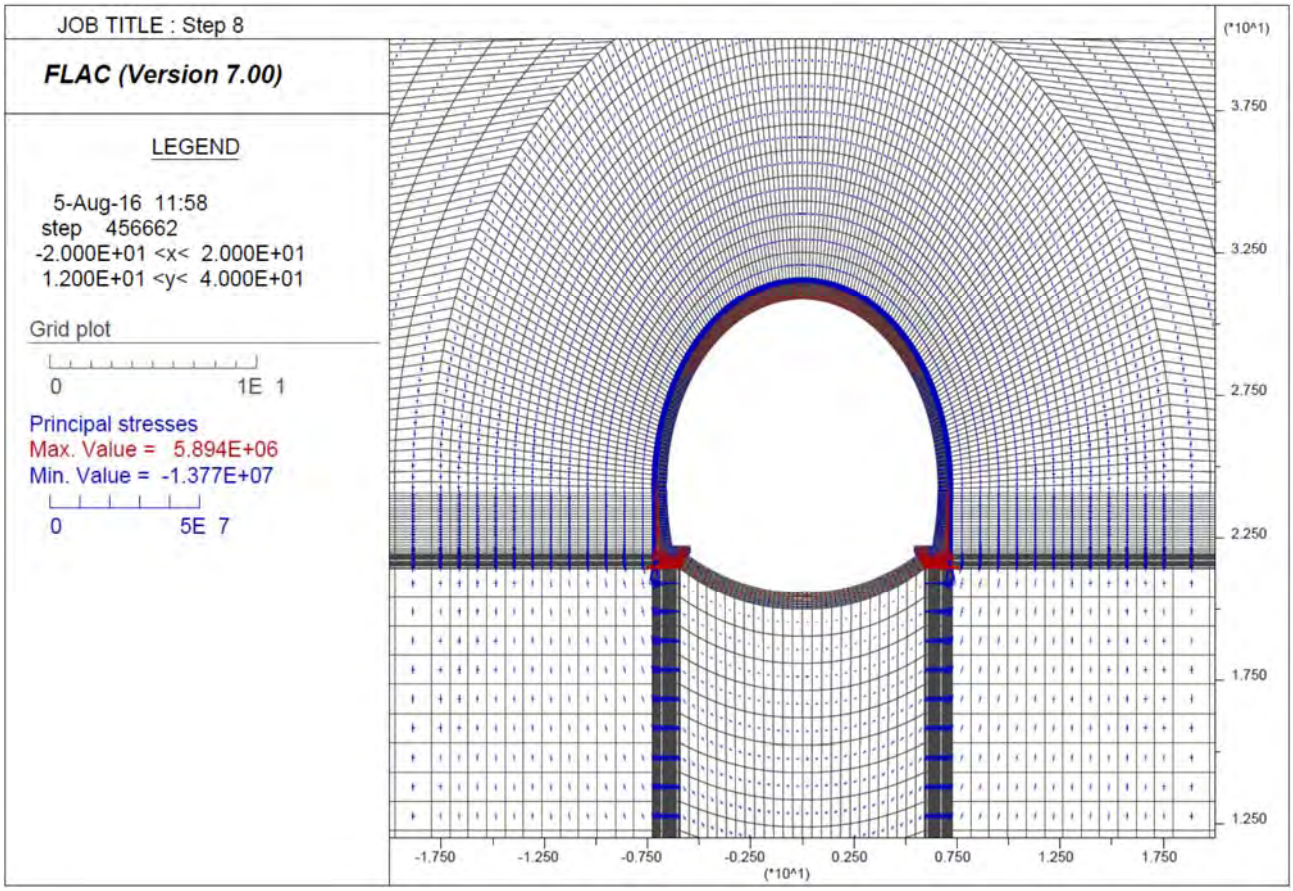
5-Aug-16 11:58
step 369725
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01

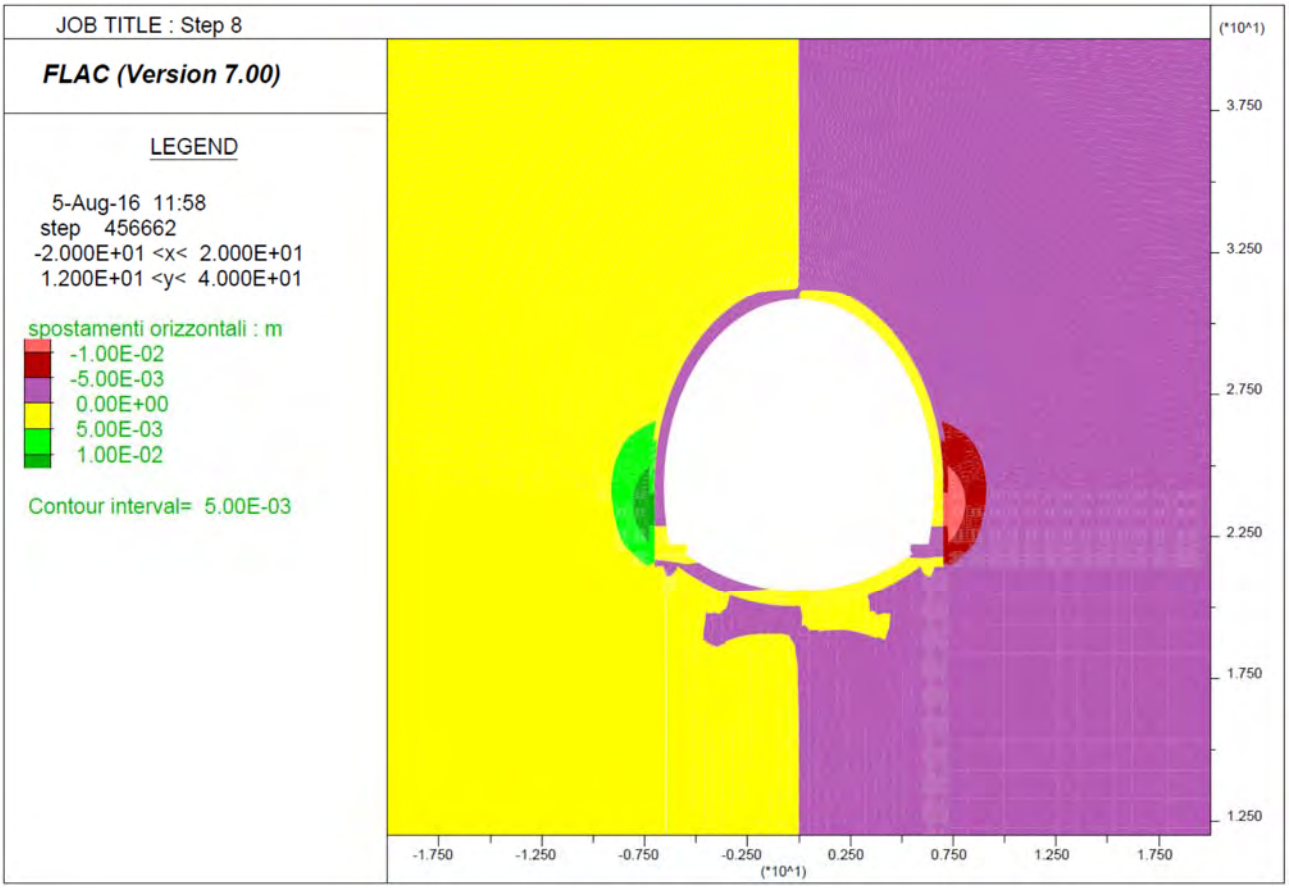
Grid plot
0 1E 1

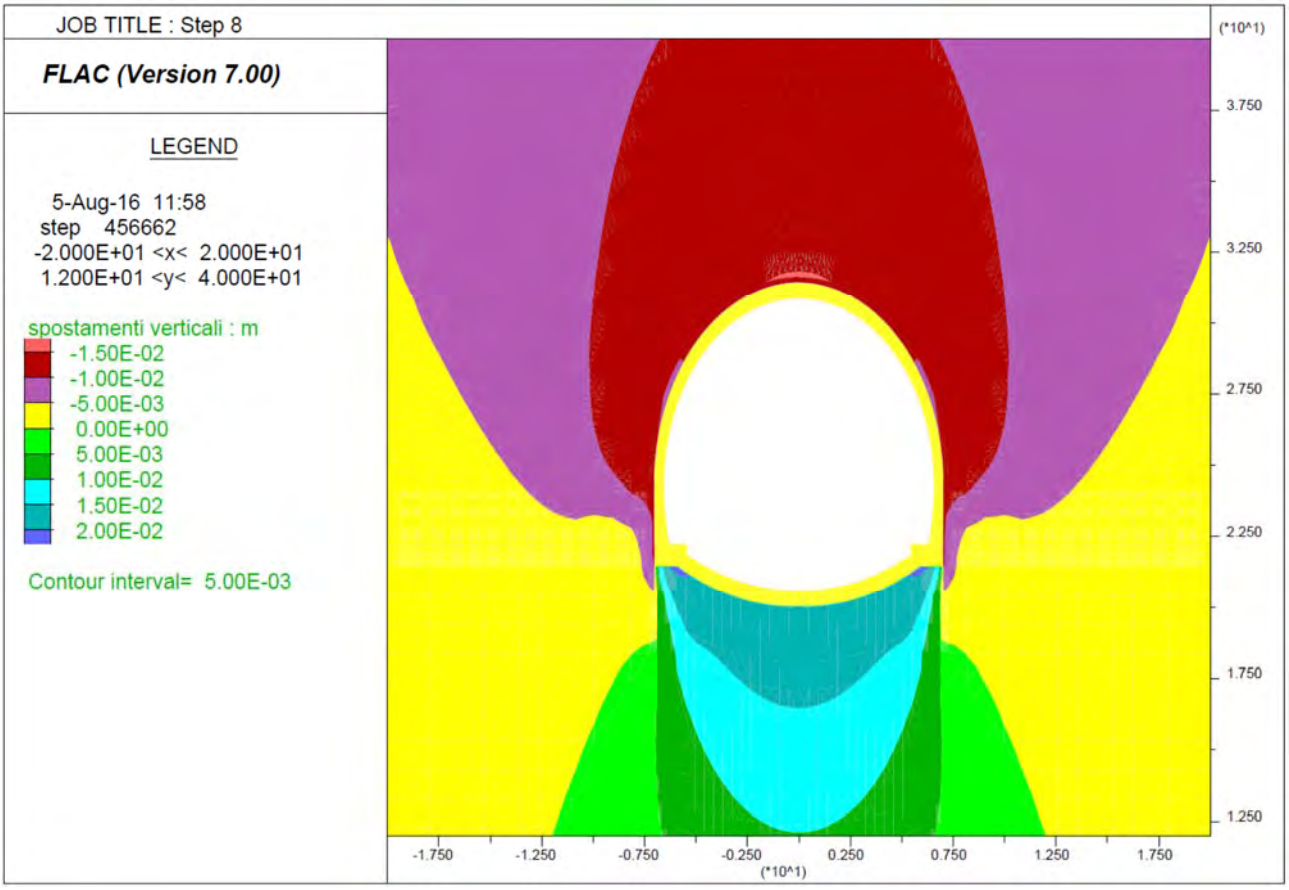
Plasticity Indicator
X elastic, at yield in past

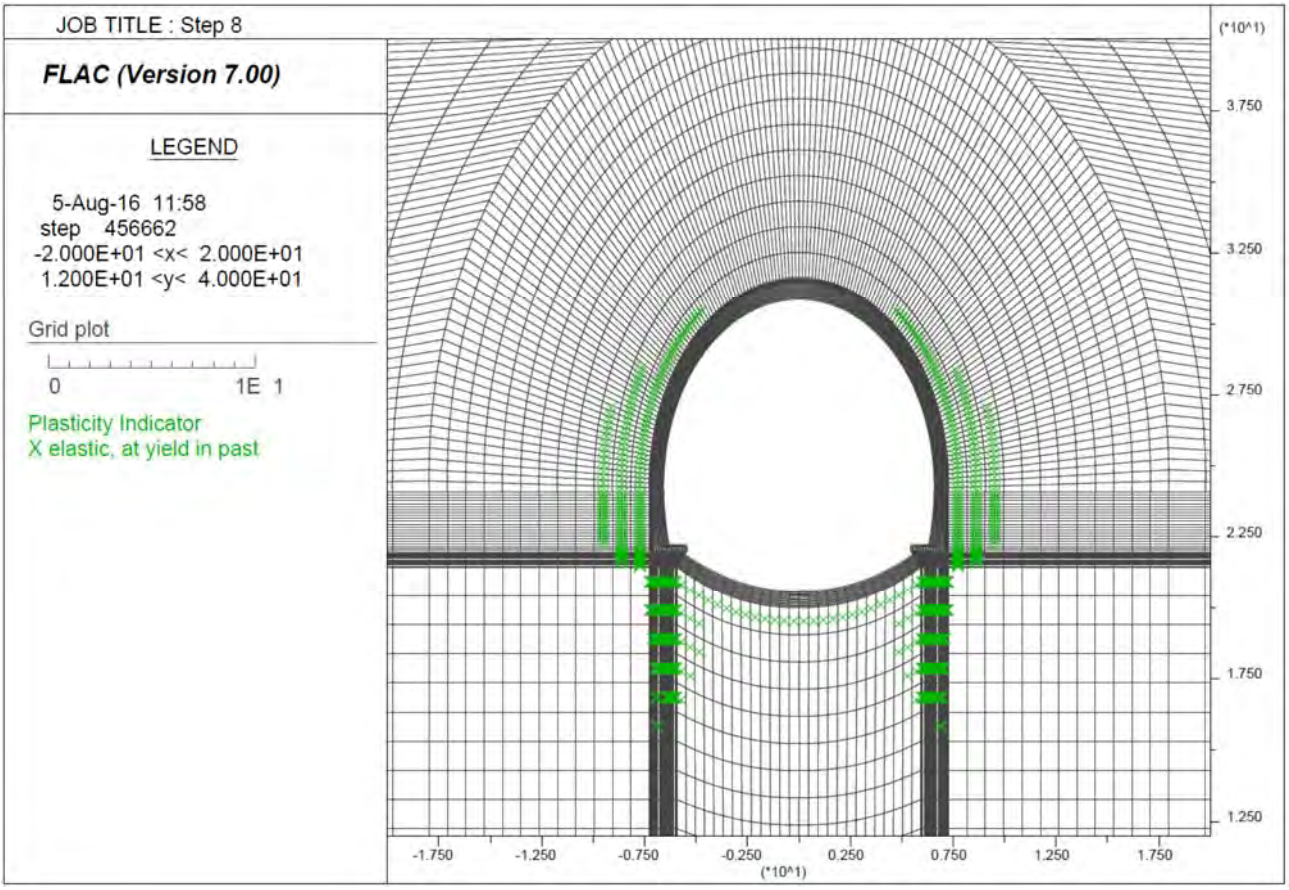


Step 8 - Getto Calotta

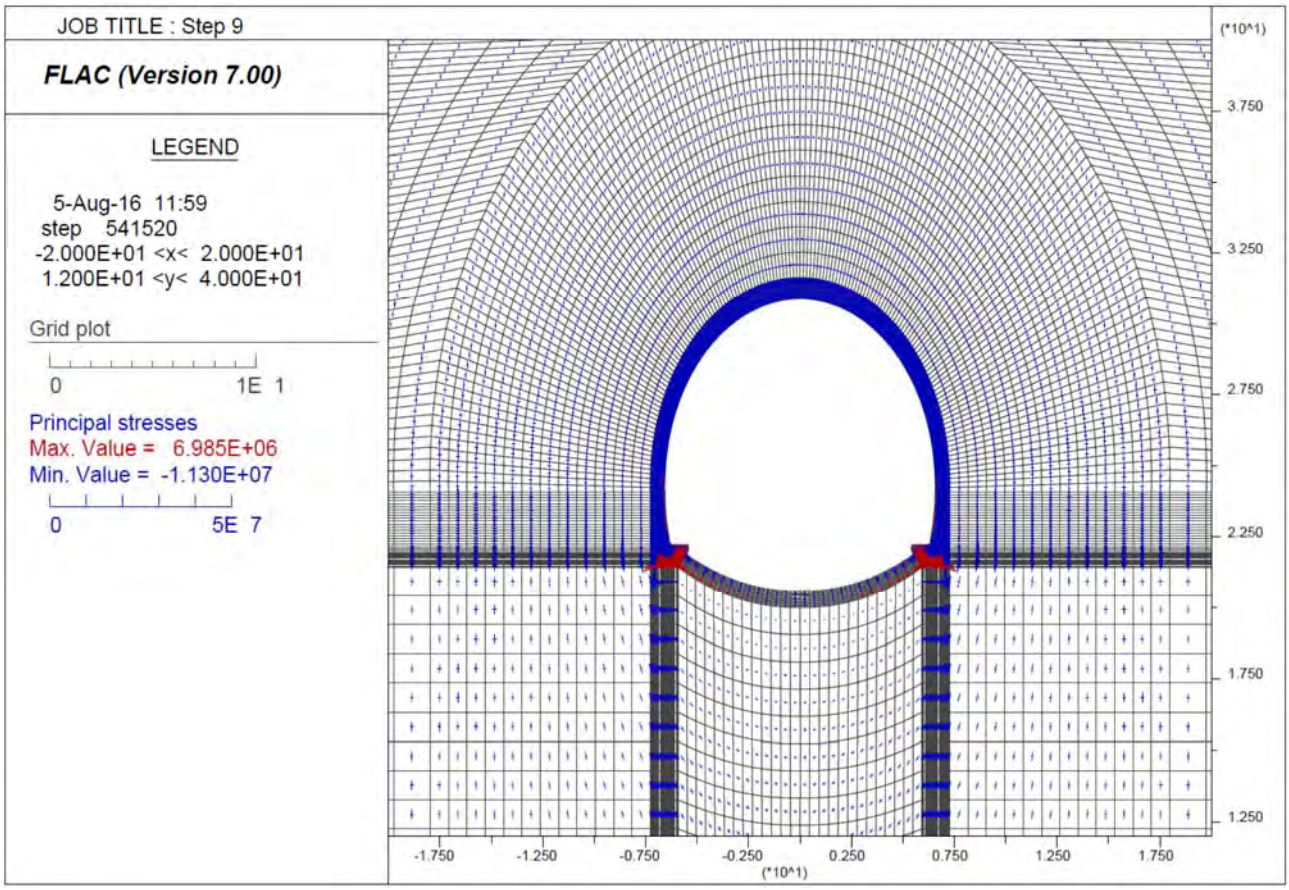


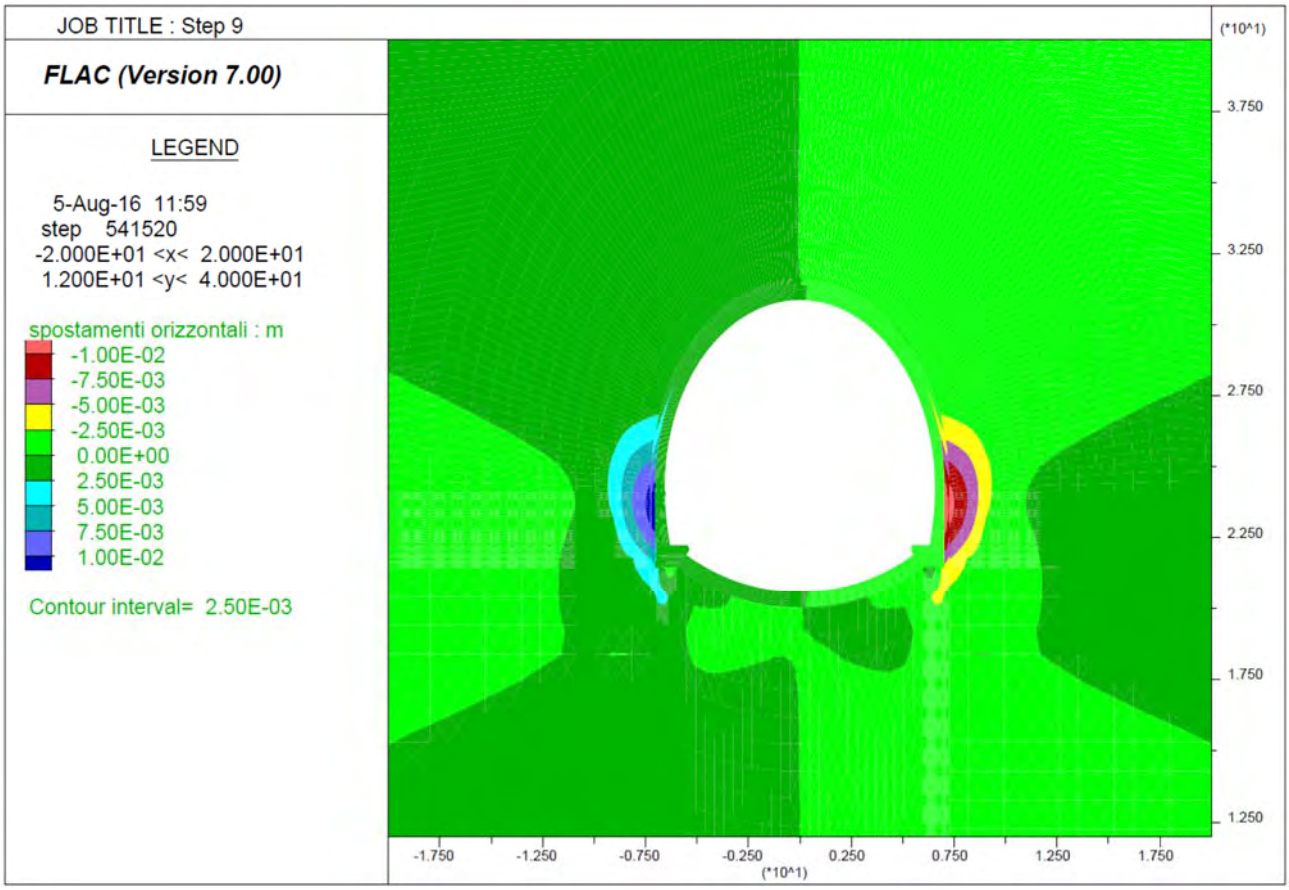


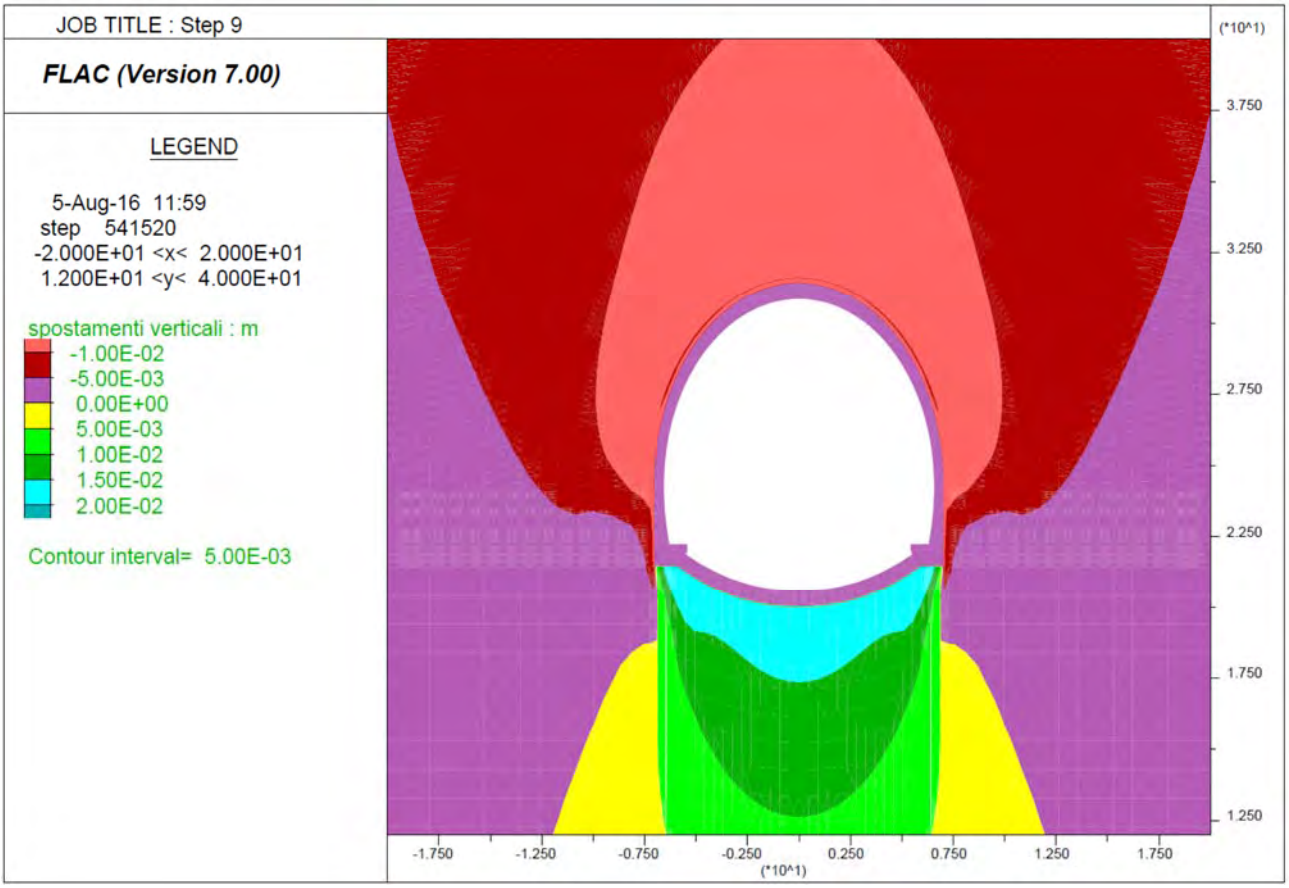

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
5-Aug-16 11:58
step 456662
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.50E-02
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
2.00E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

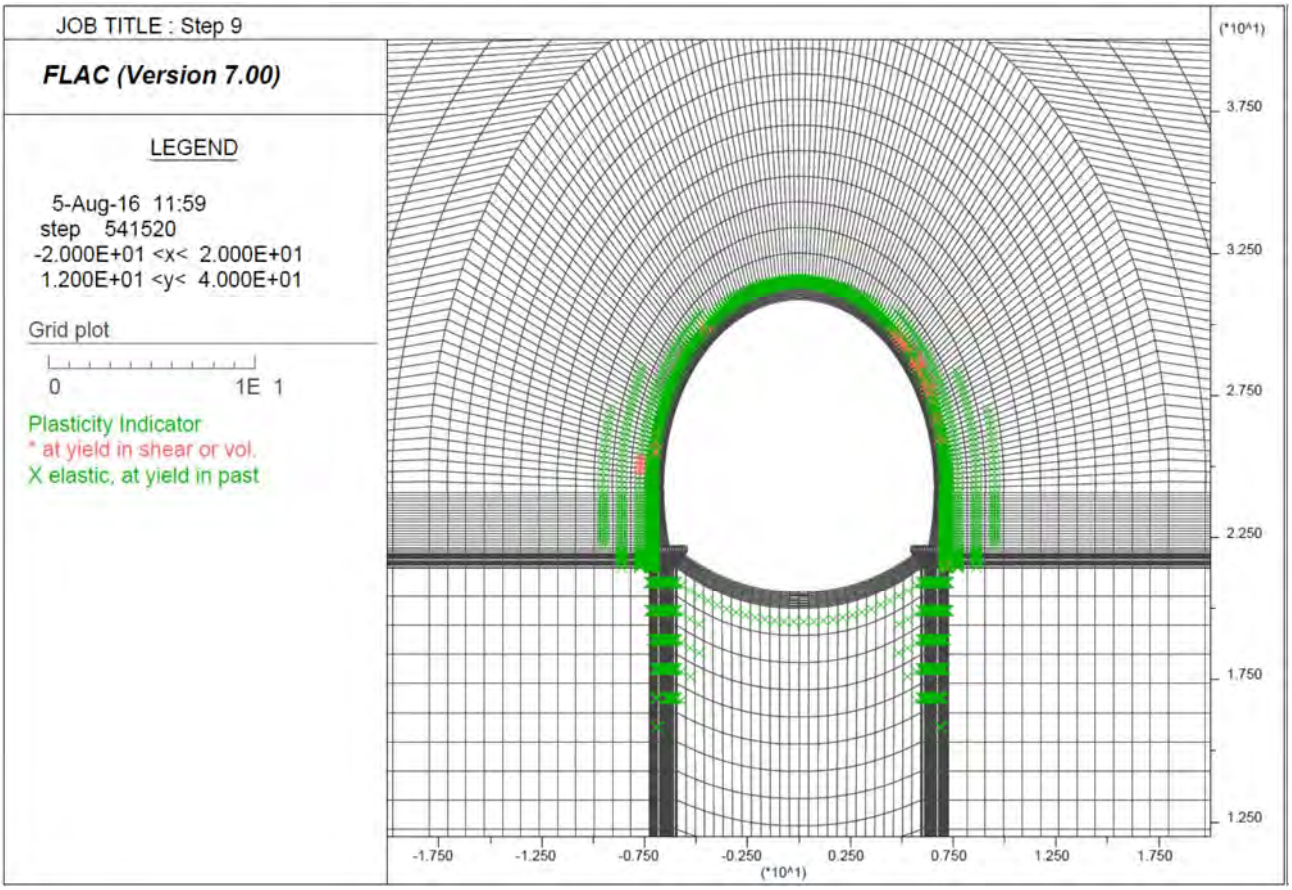

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
5-Aug-16 11:58
step 456662
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 9 - Decadimento dei parametri di resistenza del rivestimento provvisorio



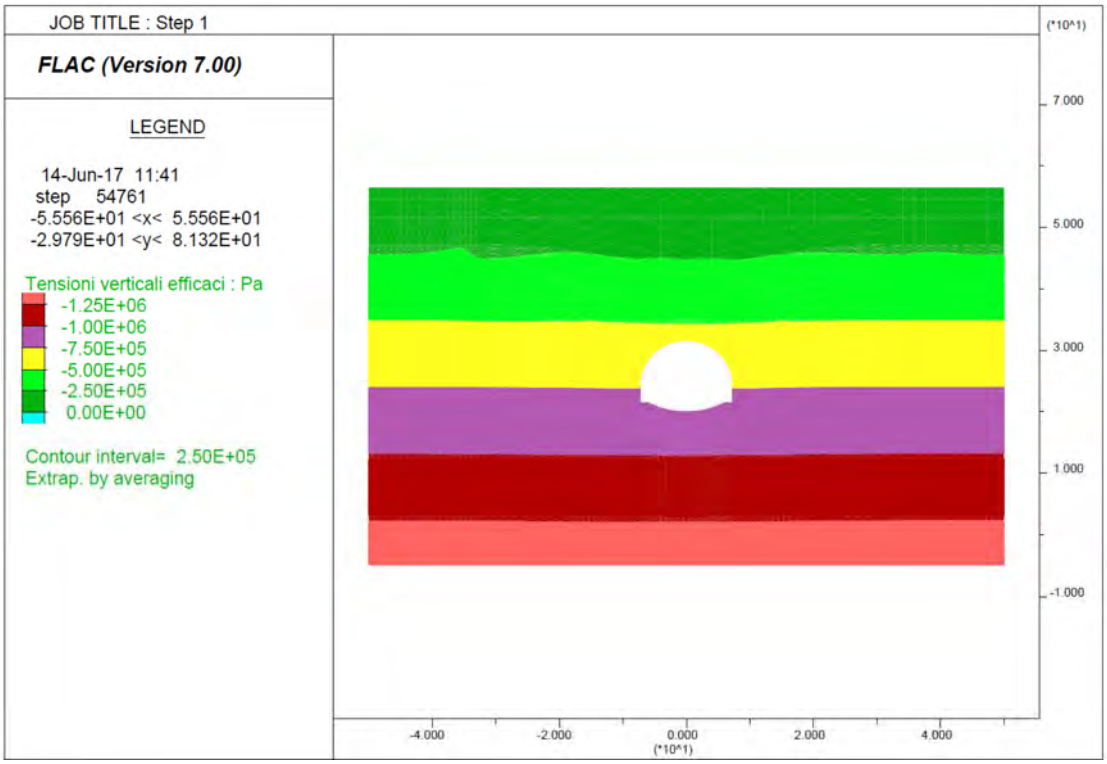


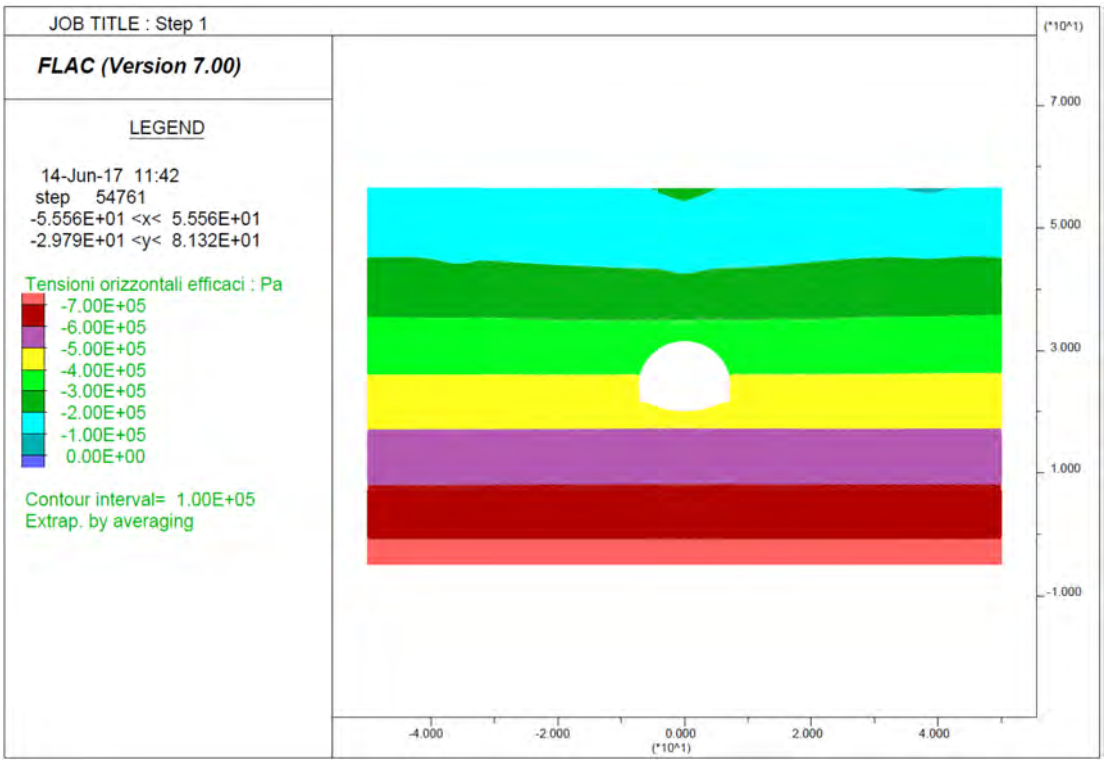

JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
5-Aug-16 11:59
step 541520
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
2.00E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)


JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
5-Aug-16 11:59
step 541520
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

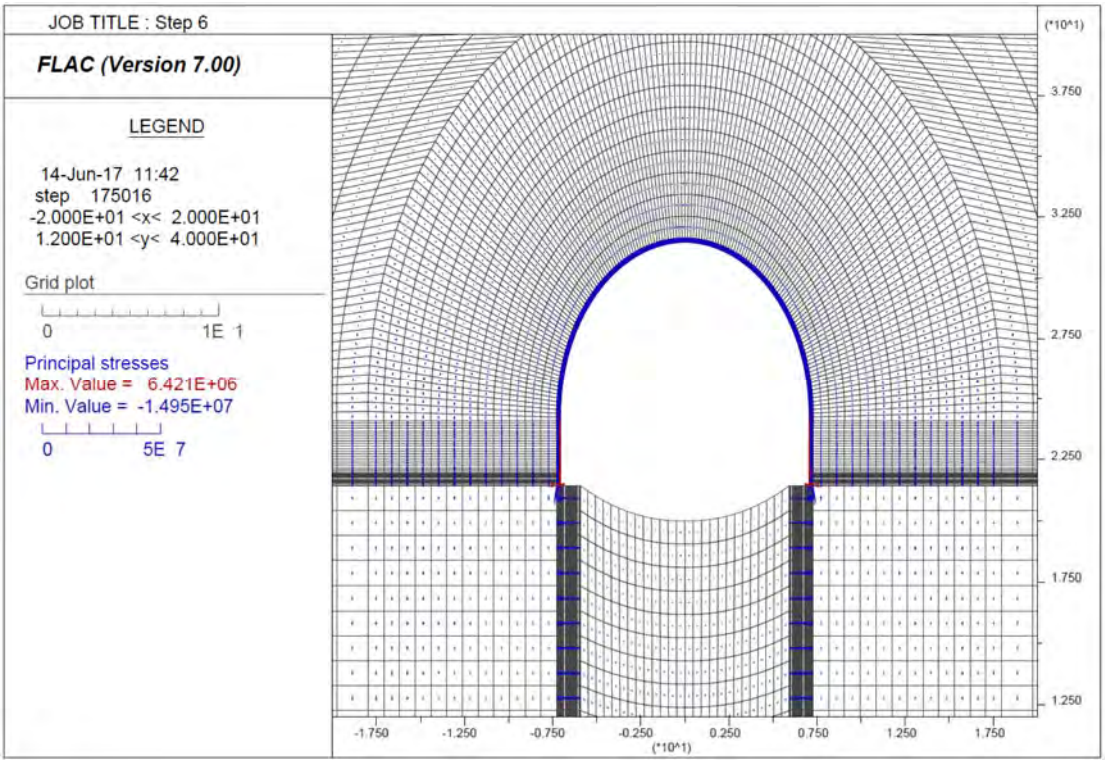
Output Flac – Sezione tipo B2 - Copertura di calcolo = 25 m

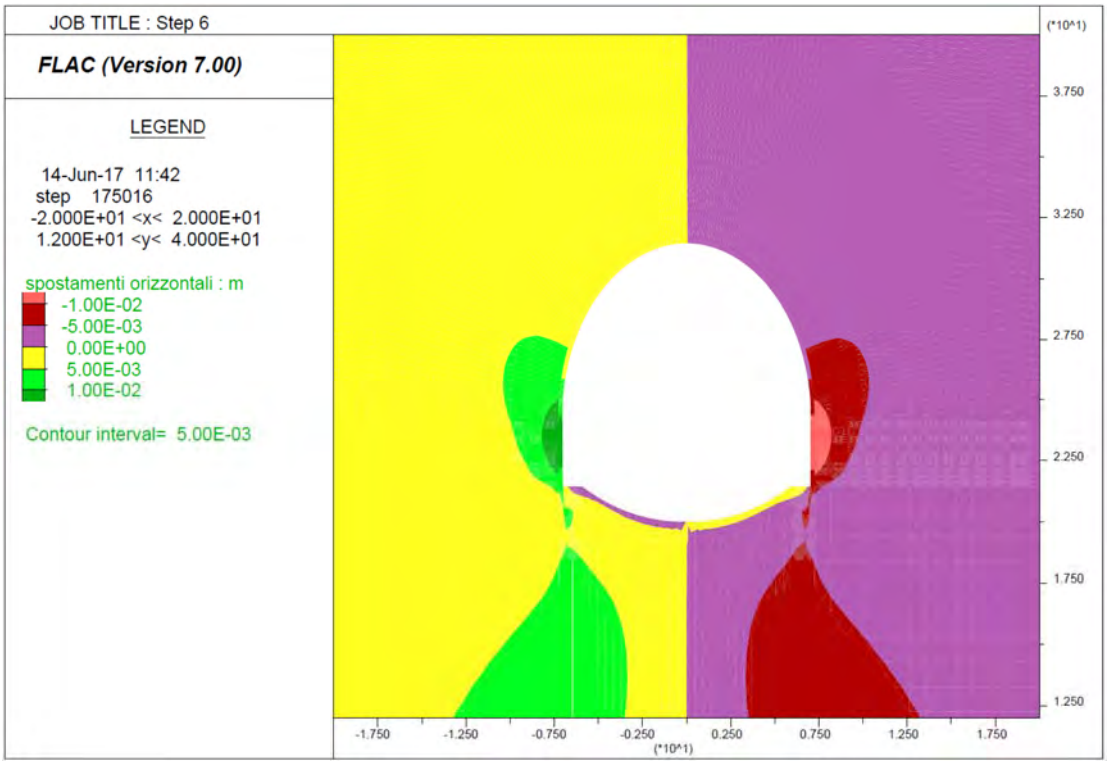
Step 1 – Tensioni litostatiche

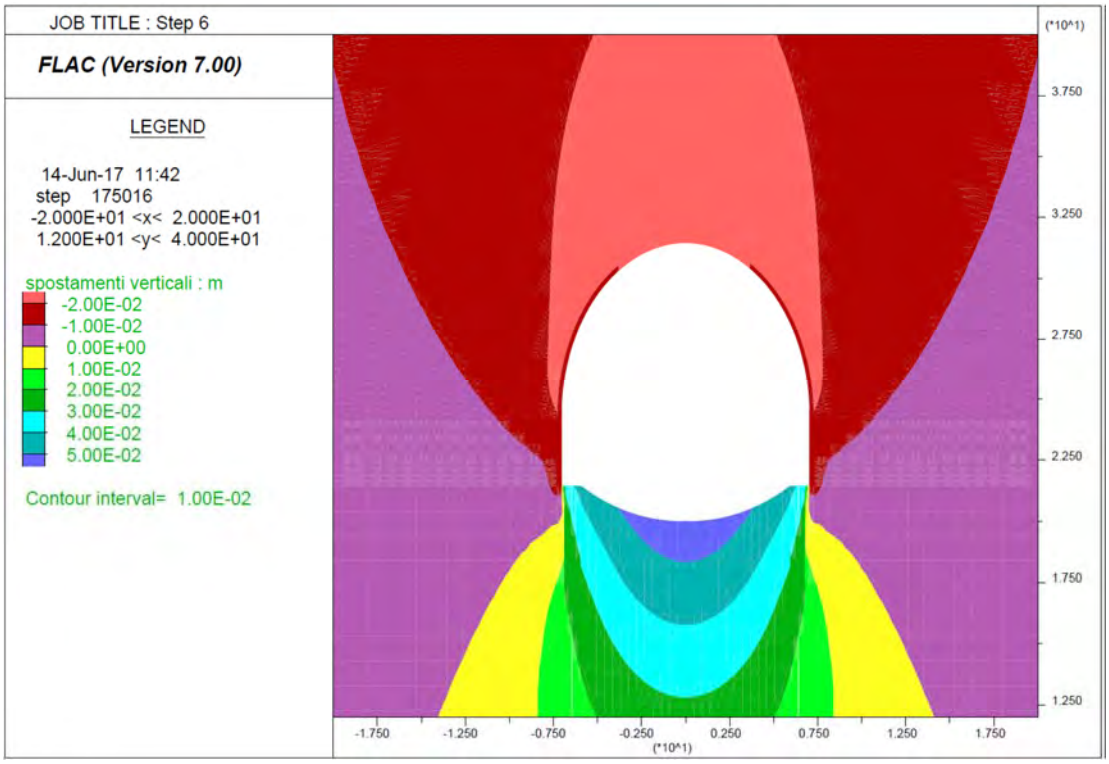


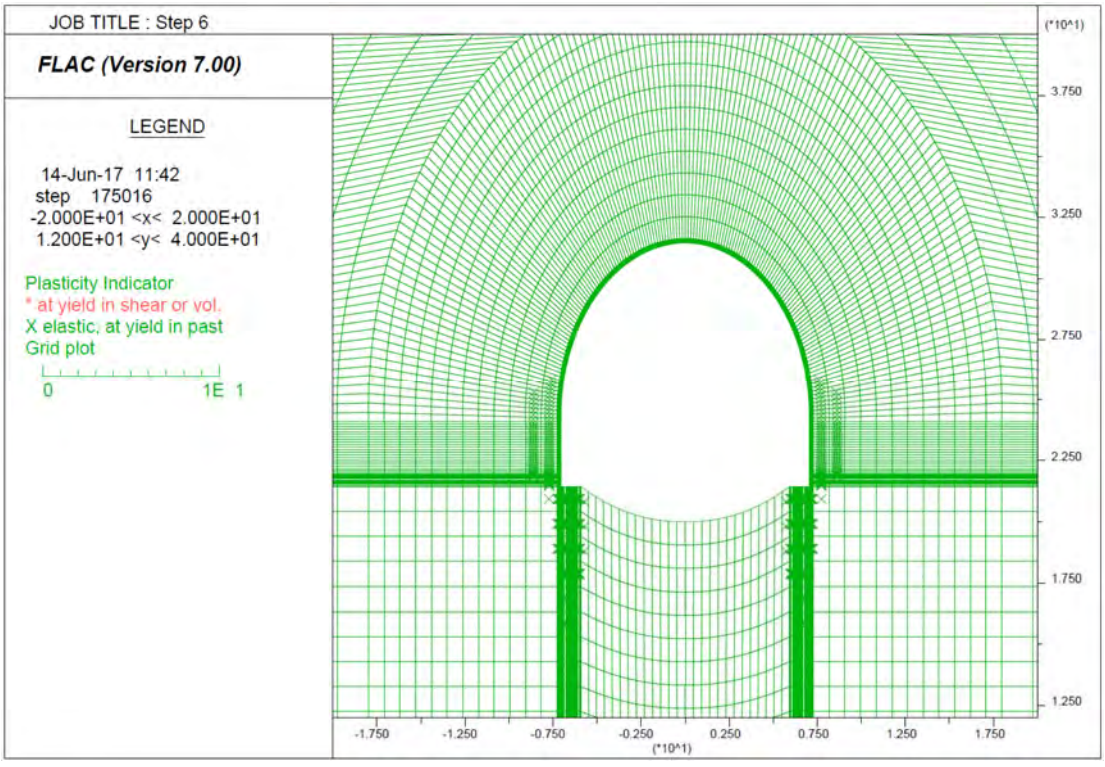


Step 6 – Avanzamento fino a 2D

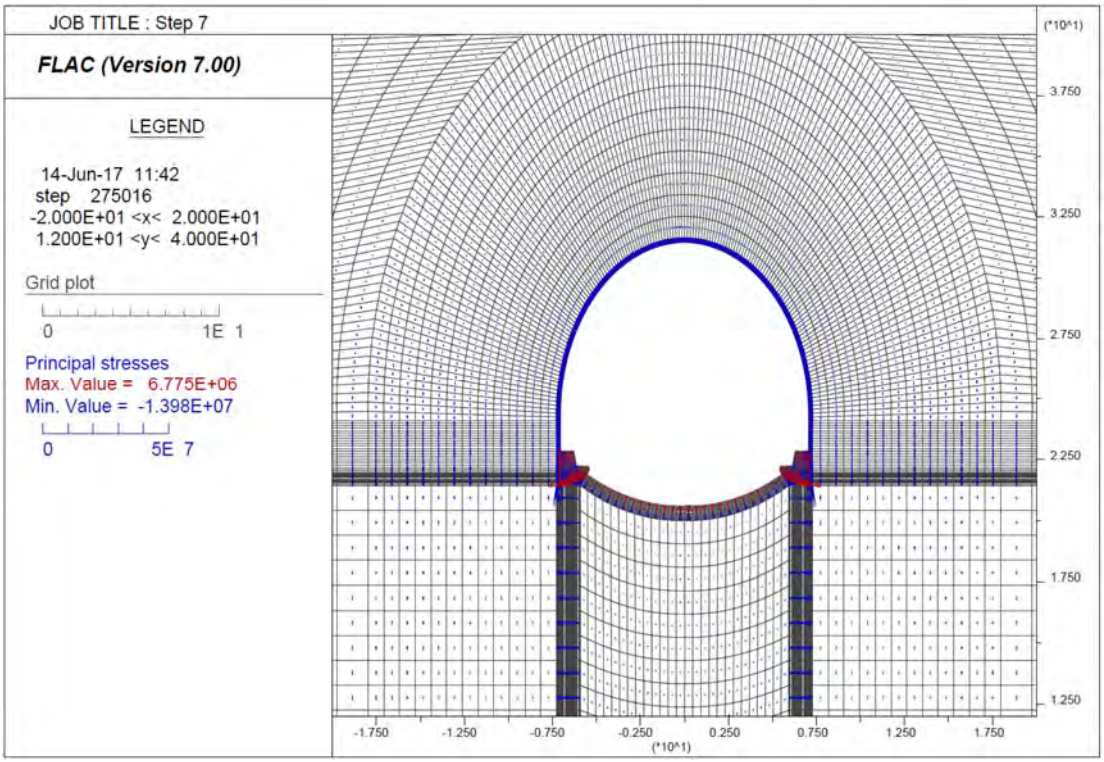


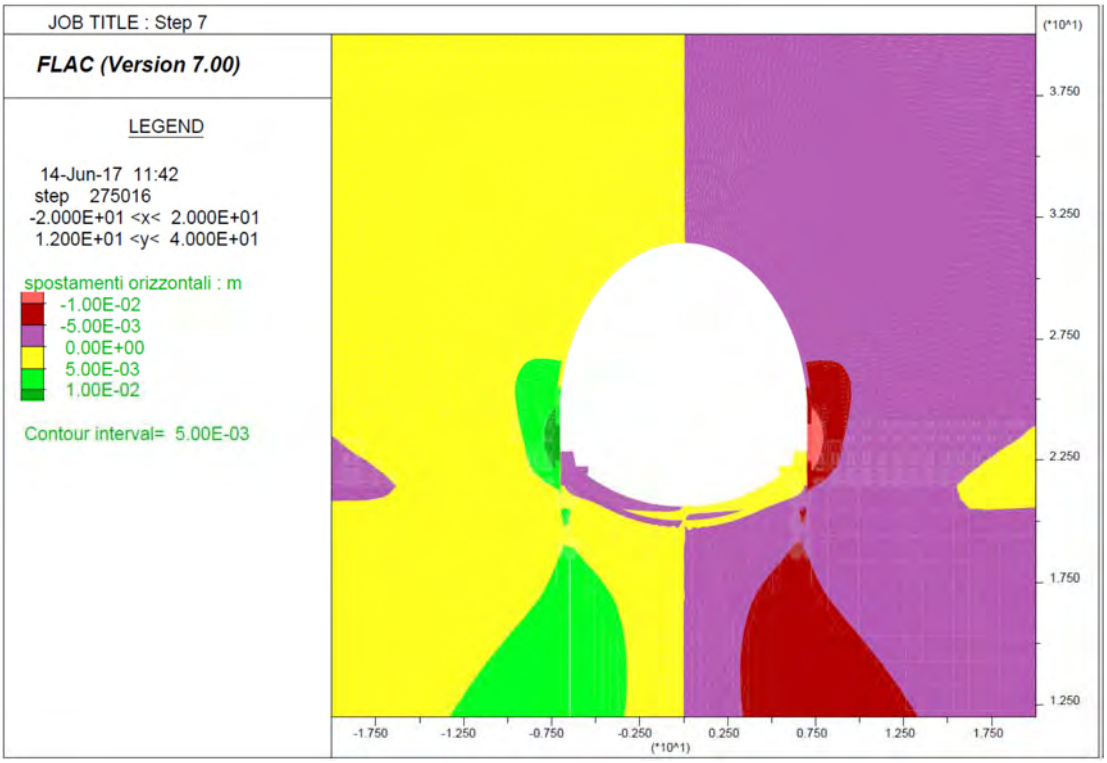


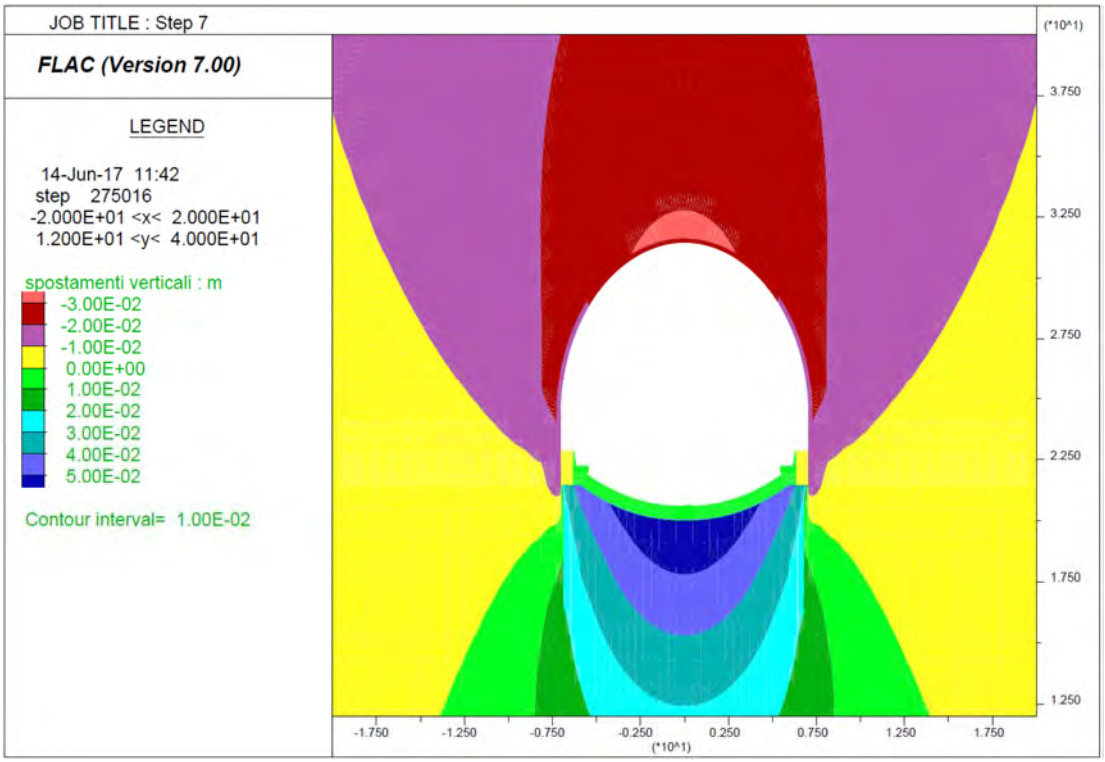

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:42
step 175016
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-2.00E-02
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
4.00E-02
5.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

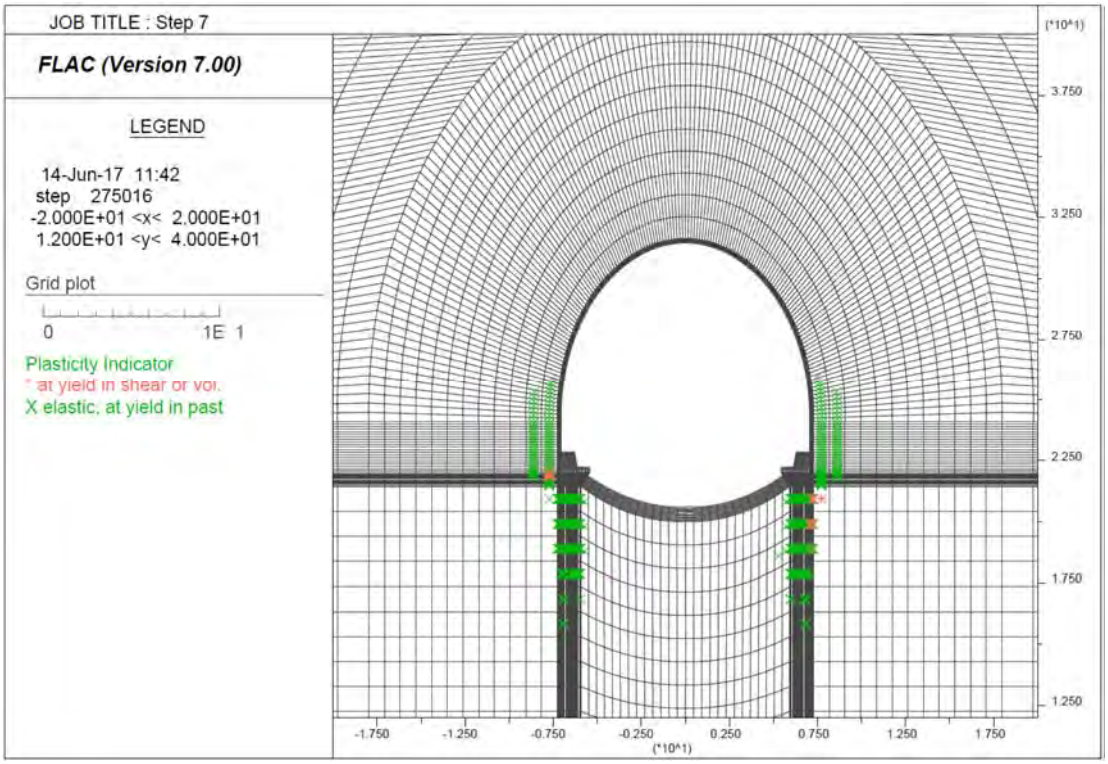

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:42
step 175016
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
Grid plot
0
1E 1
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 7 - Getto arco rovescio e muretta a 2D e avanzamento fino a deformazioni esaurite

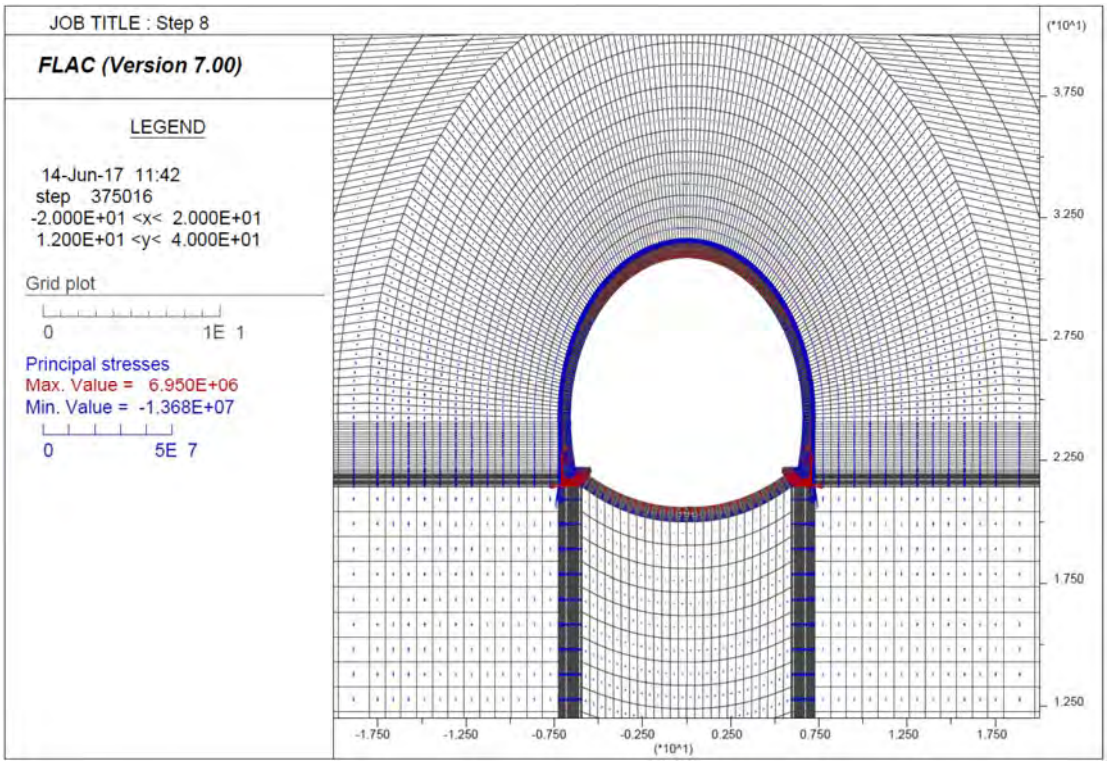


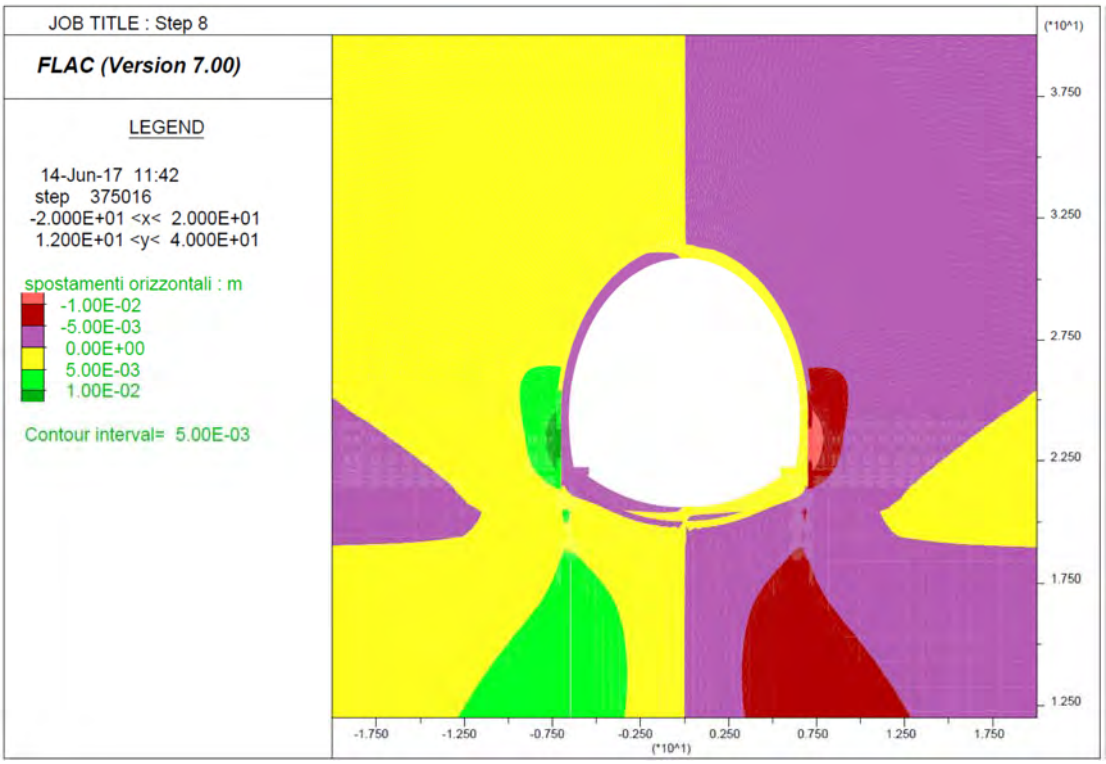


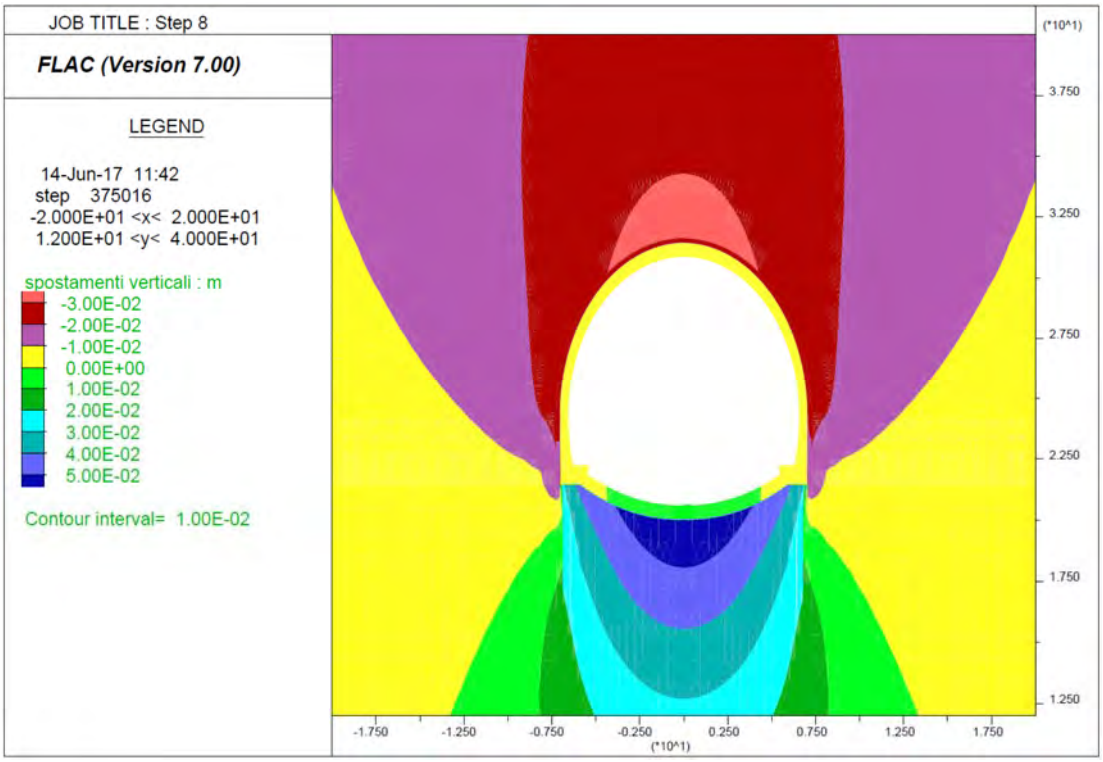

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:42
step 275016
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-3.00E-02
-2.00E-02
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
4.00E-02
5.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

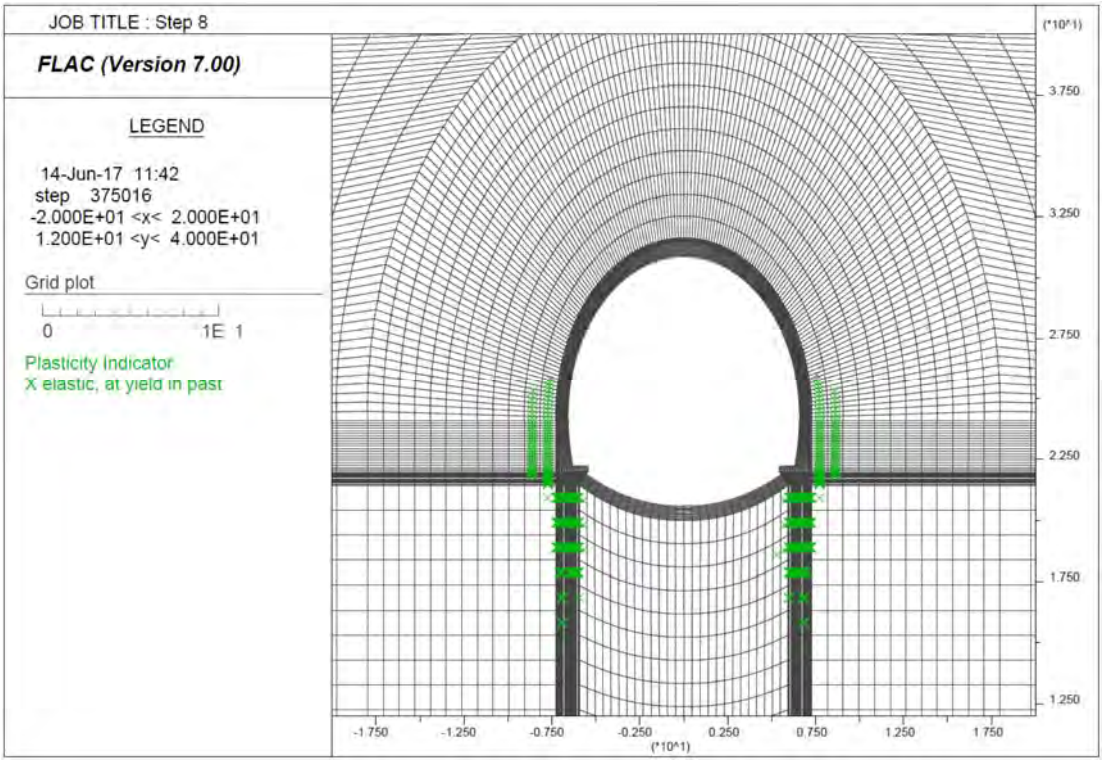

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:42
step 275016
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity indicator
" at yield in shear or vol.
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 8 - Getto Calotta

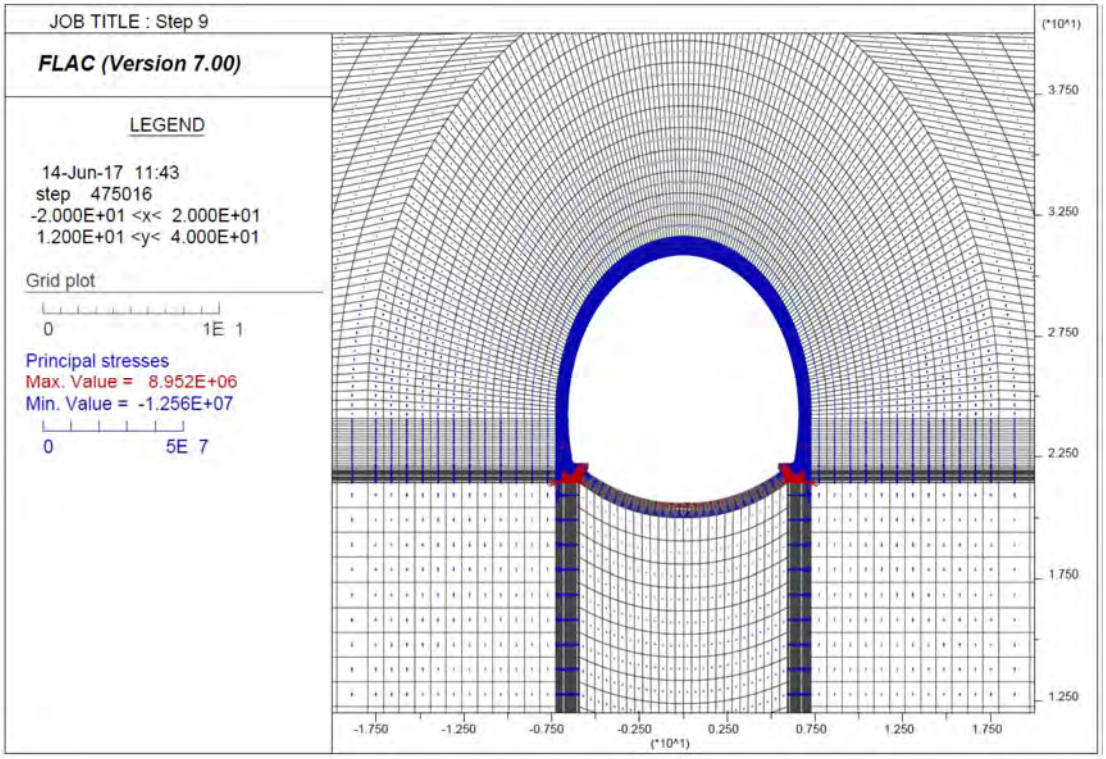


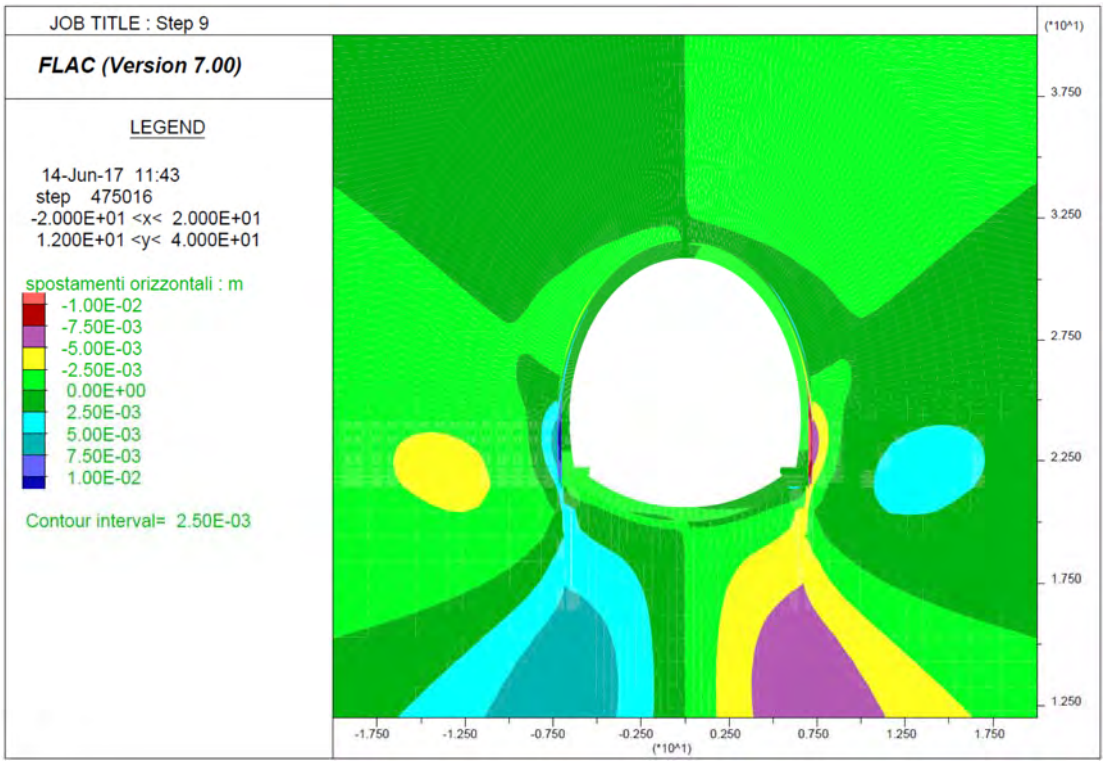


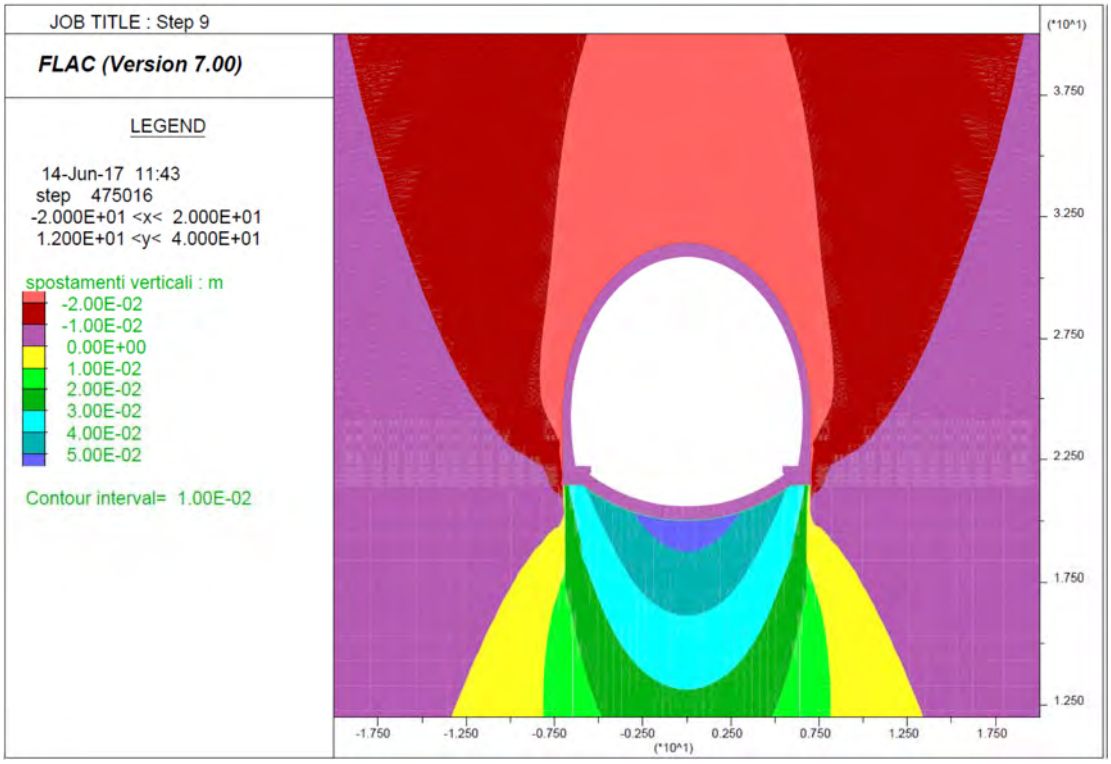

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:42
step 375016
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-3.00E-02
-2.00E-02
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
4.00E-02
5.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

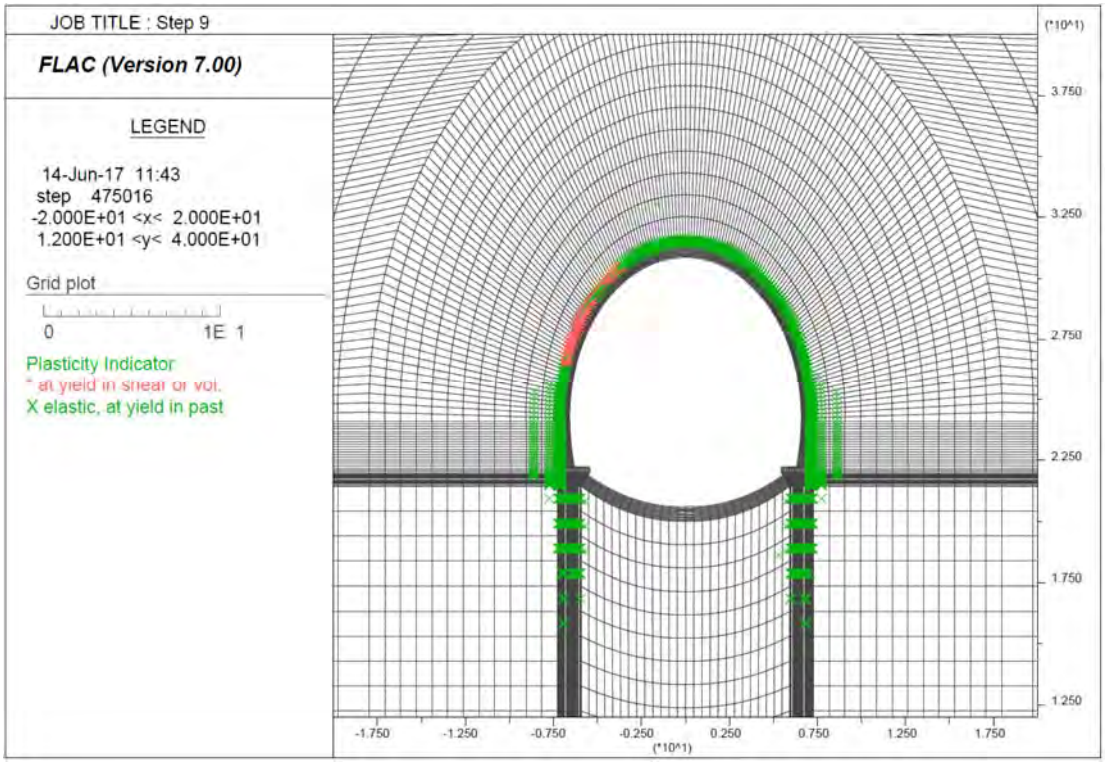

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:42
step 375016
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 9 - Decadimento dei parametri di resistenza del rivestimento provvisorio



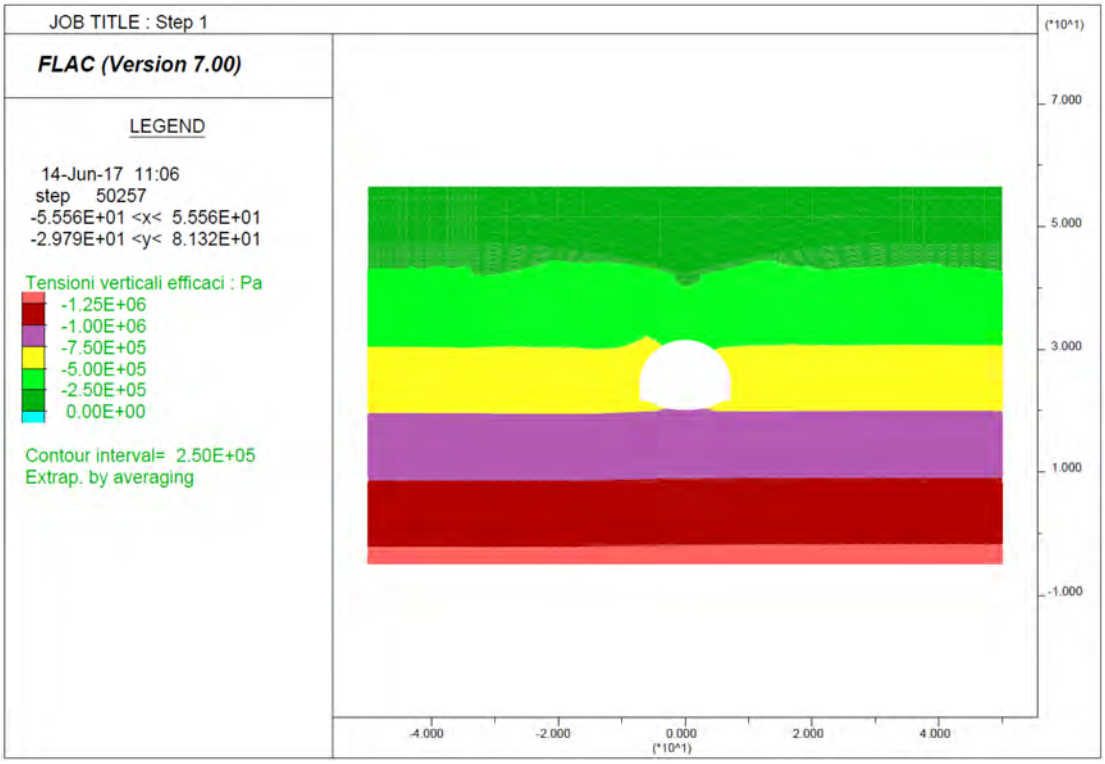


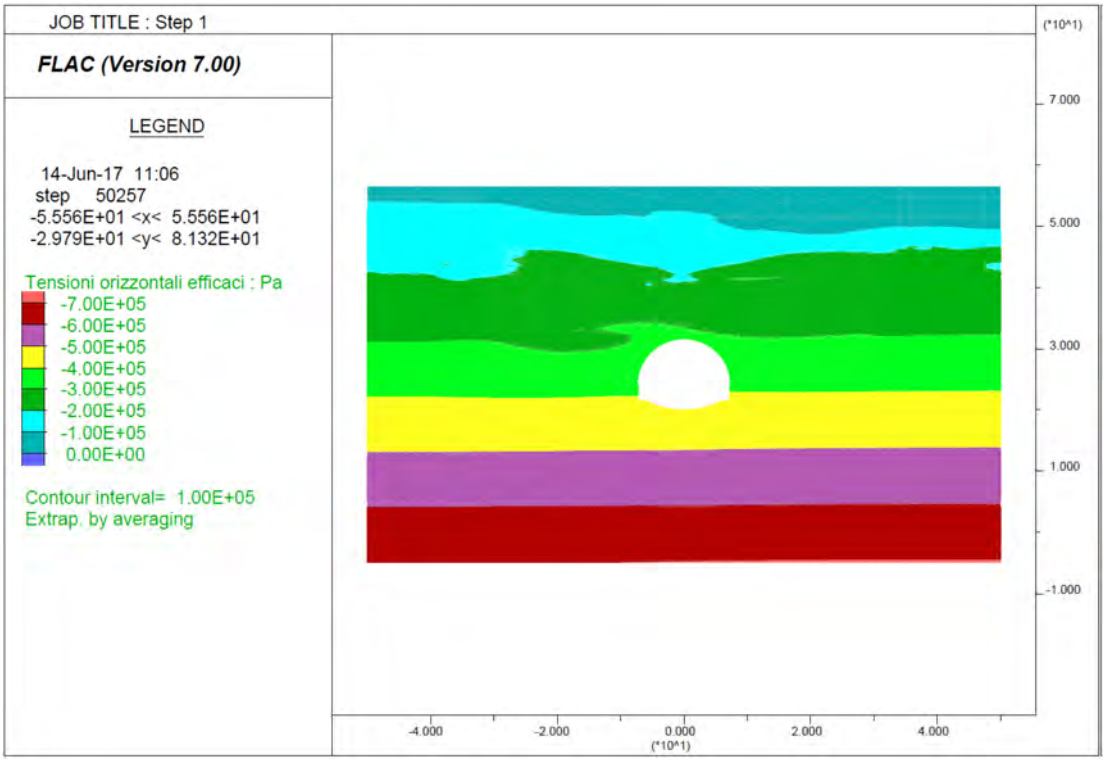

JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:43
step 475016
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-2.00E-02
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
4.00E-02
5.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)


JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:43
step 475016
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

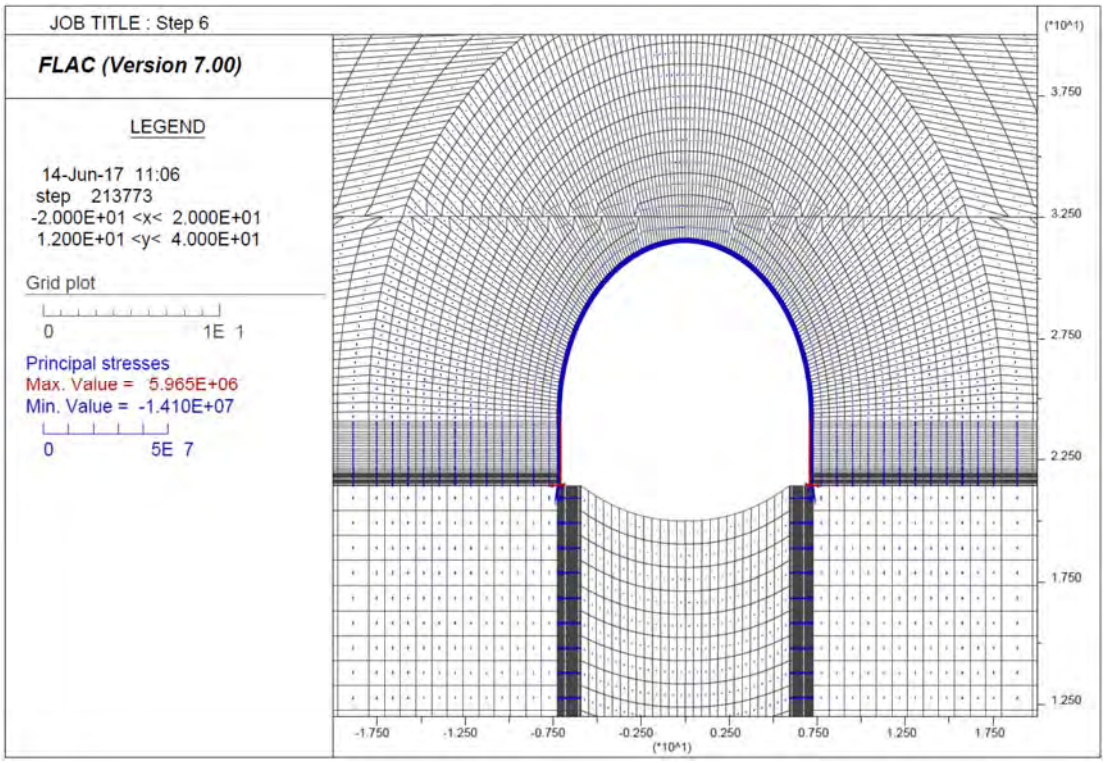
Output Flac – Sezione tipo B2v – Copertura di calcolo = 25 m

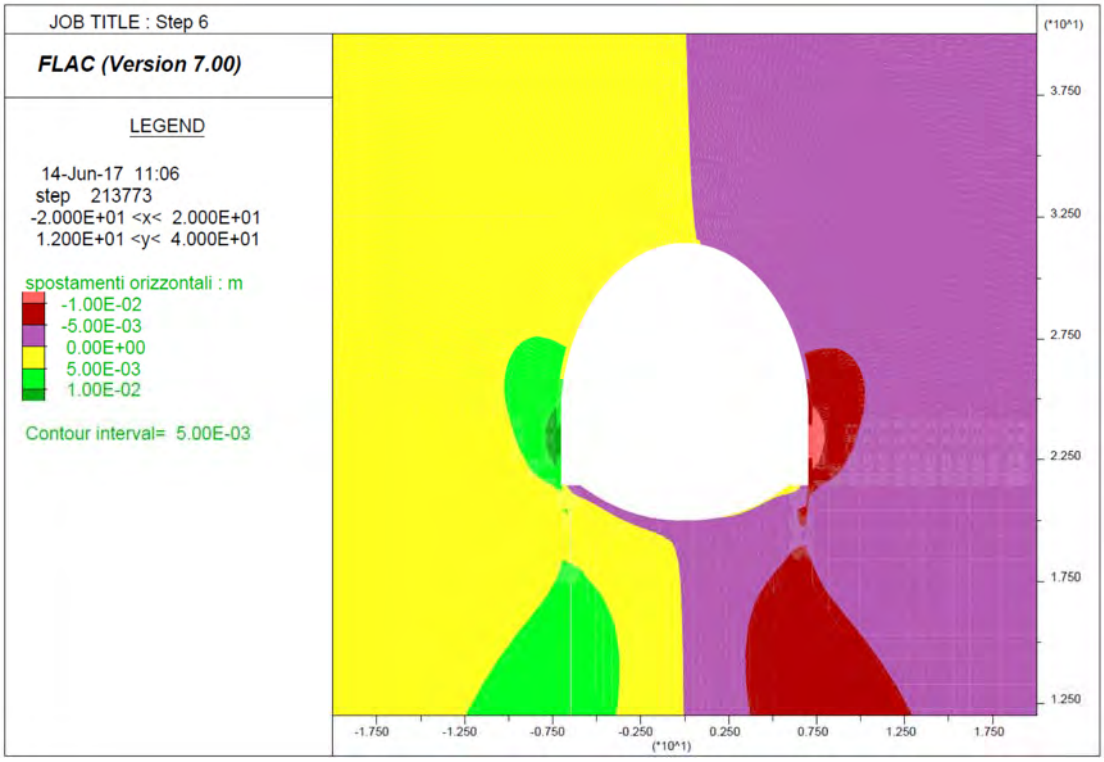
Step 1 – Tensioni litostatiche

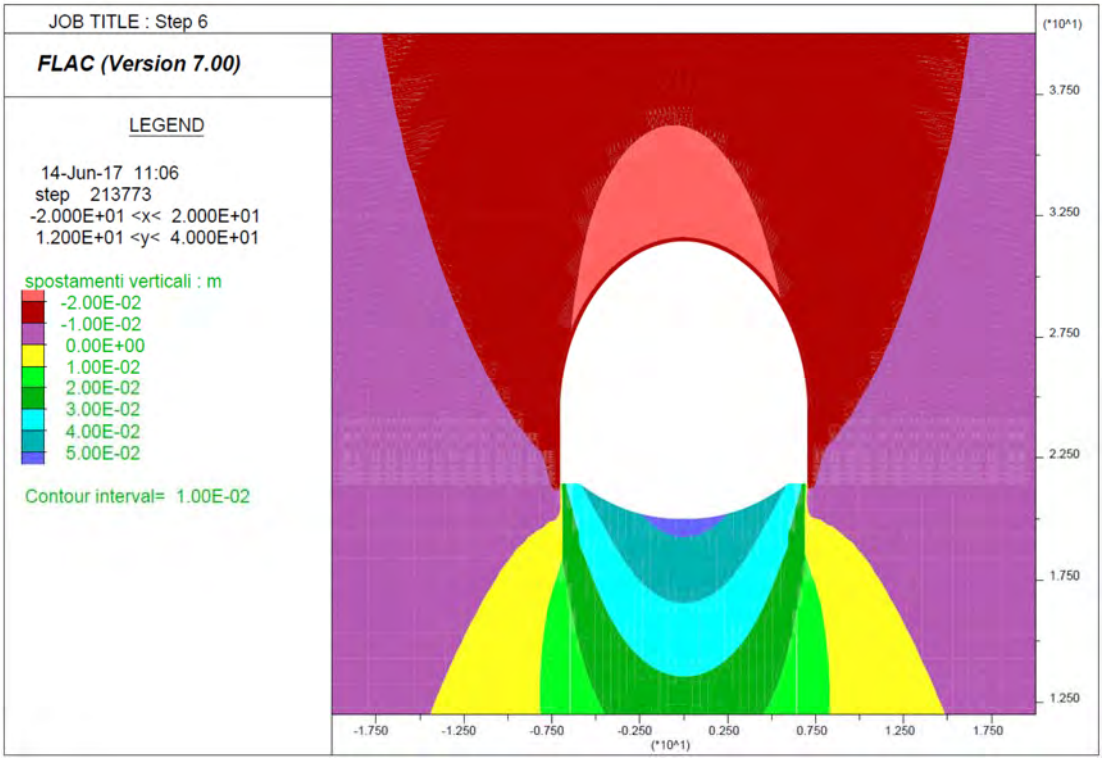


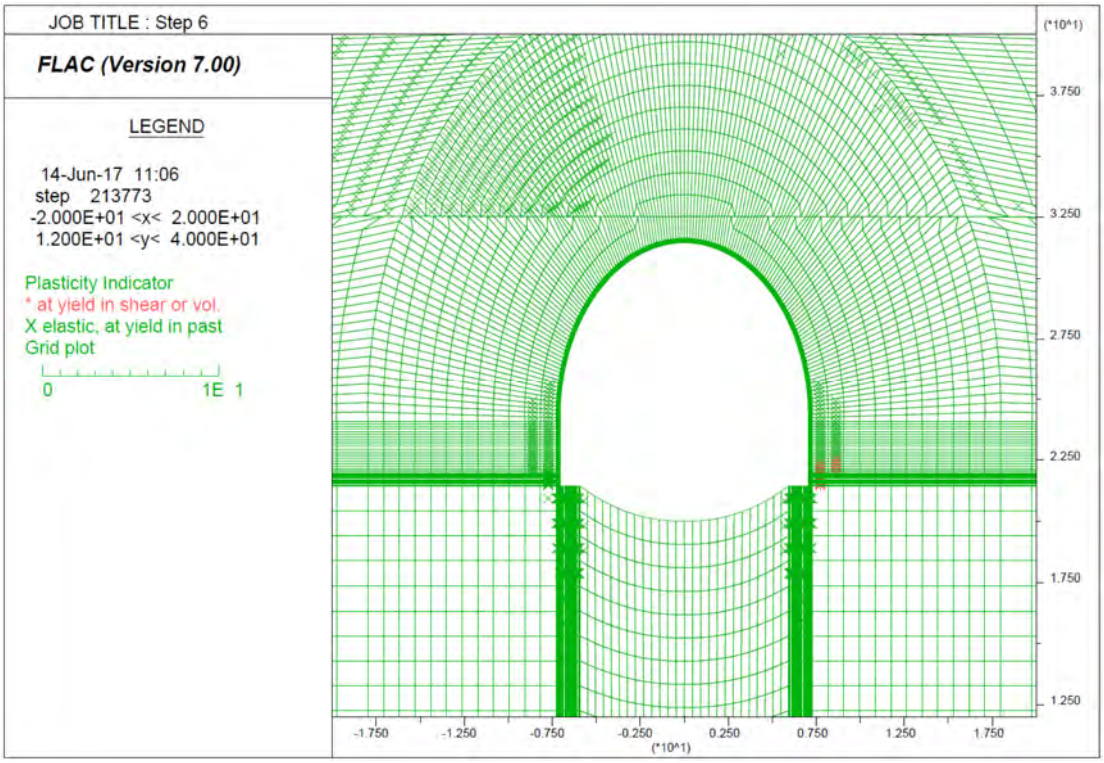


Step 6 – Avanzamento fino a 3D

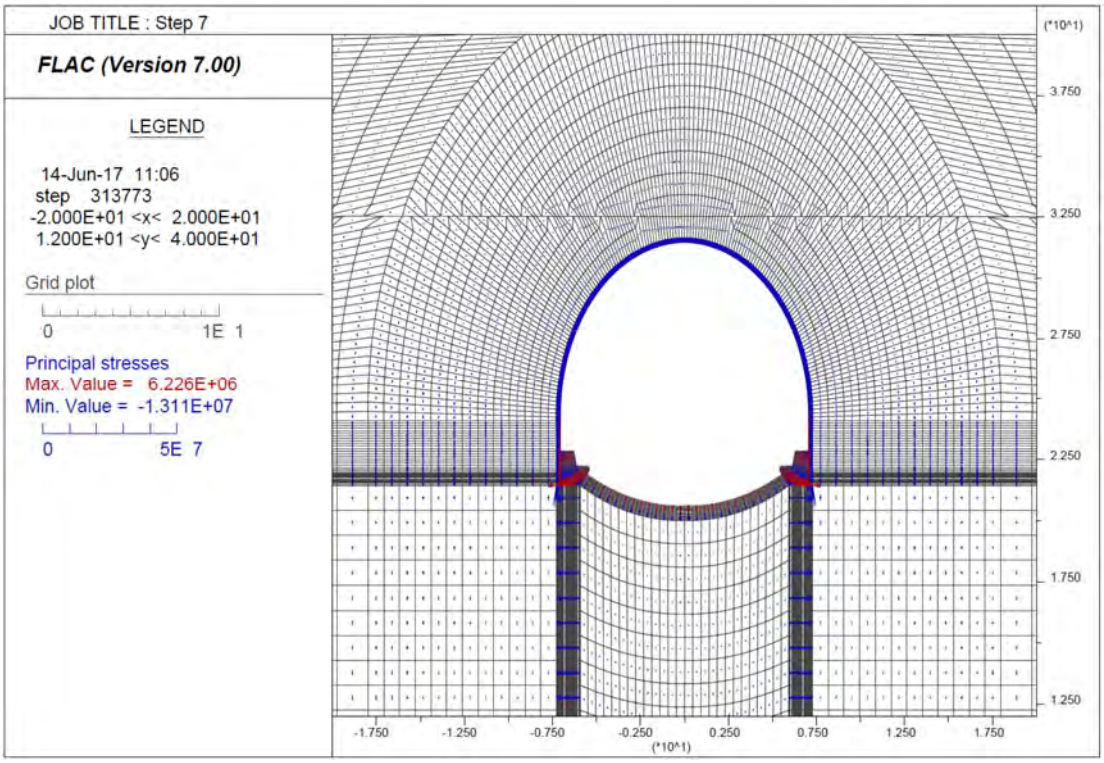


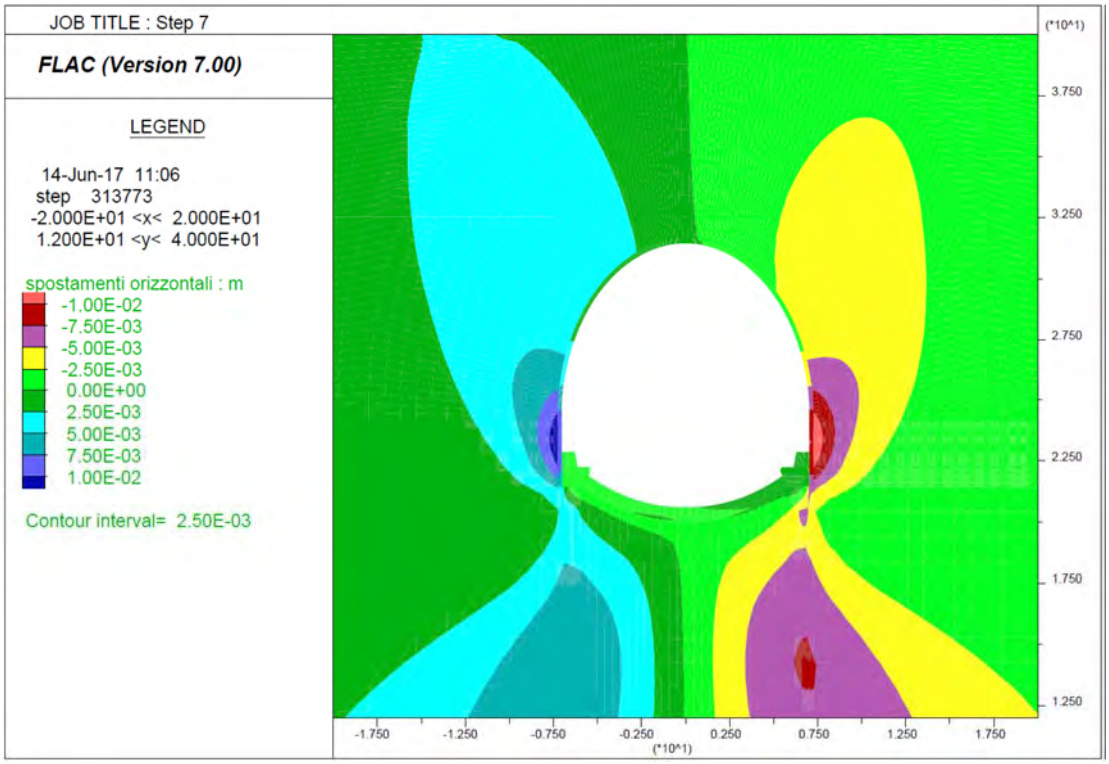


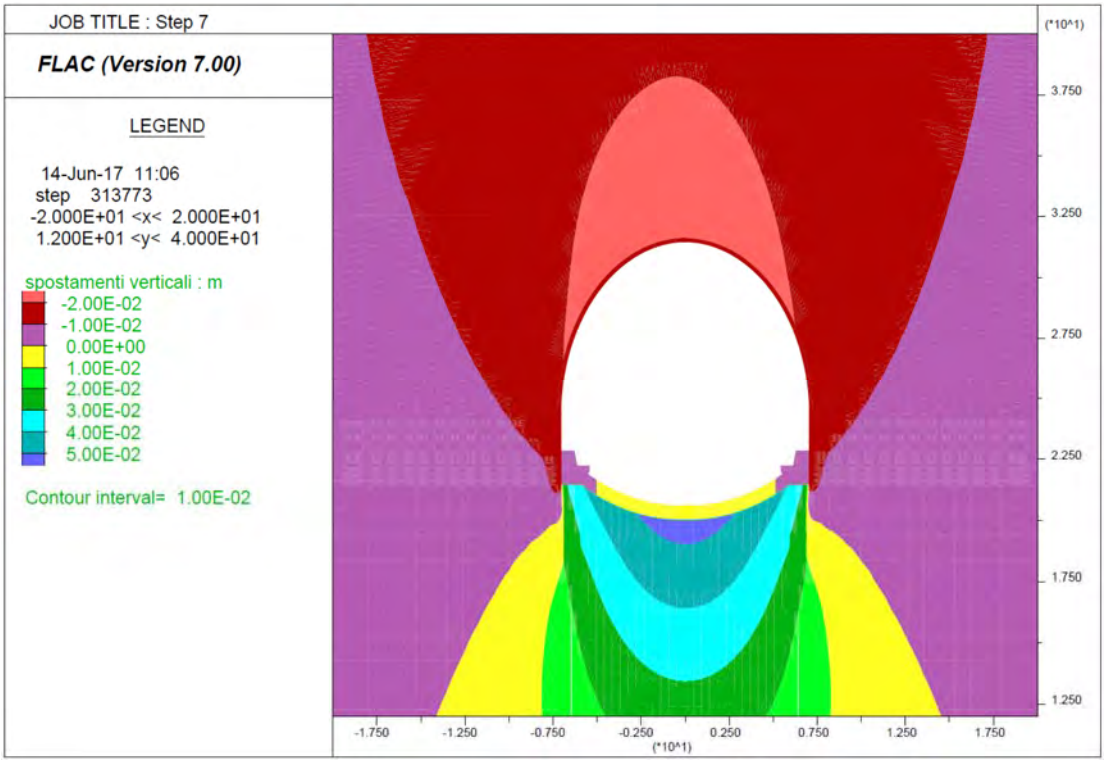

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:06
step 213773
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-2.00E-02
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
4.00E-02
5.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

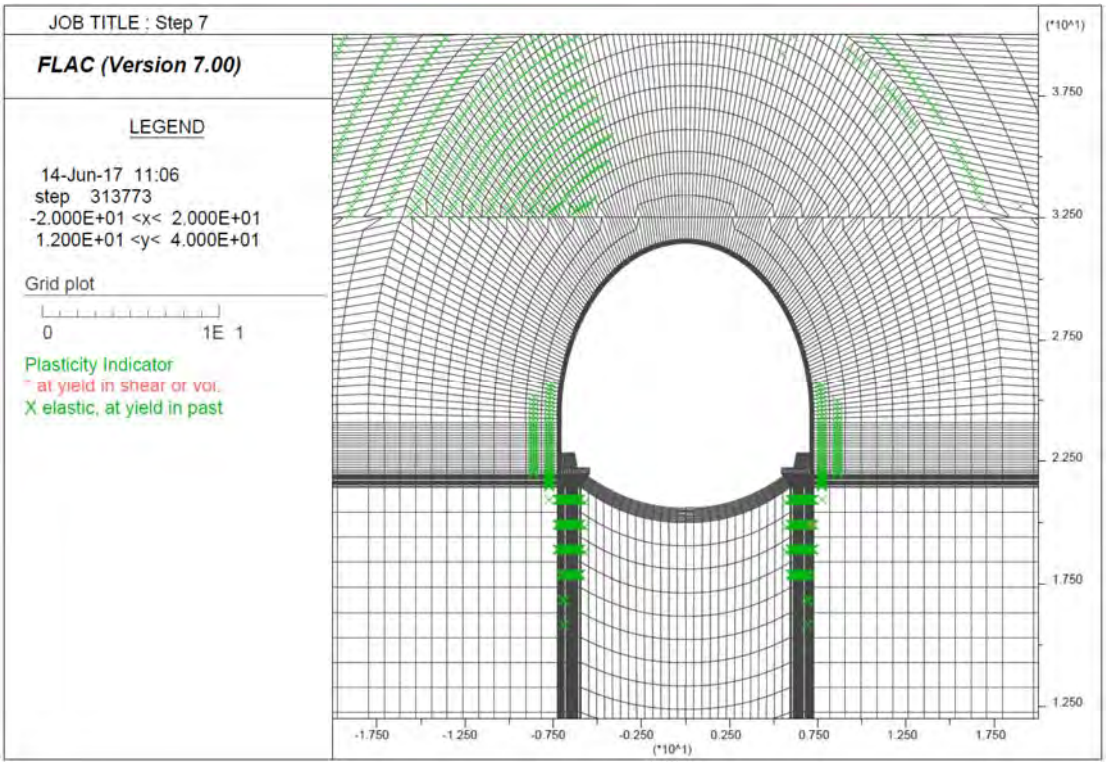

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:06
step 213773
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
Grid plot
0
1E 1
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 7 - Getto arco rovescio e muretta a 3D e avanzamento fino a deformazioni esaurite

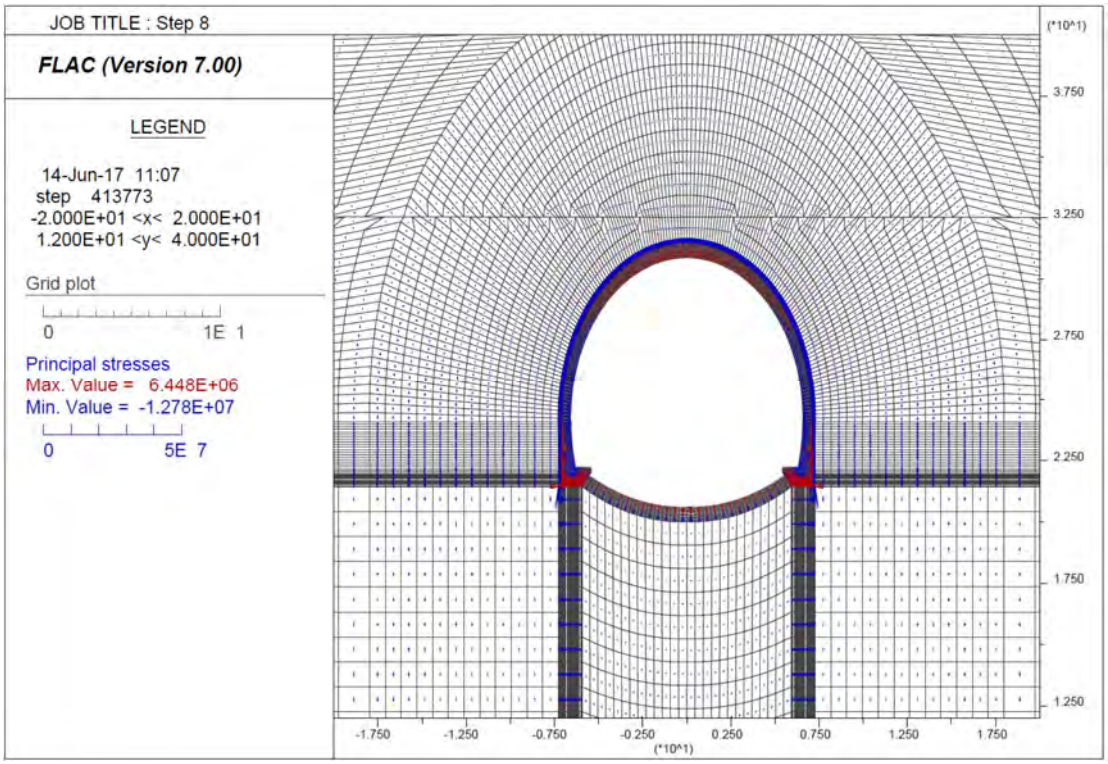


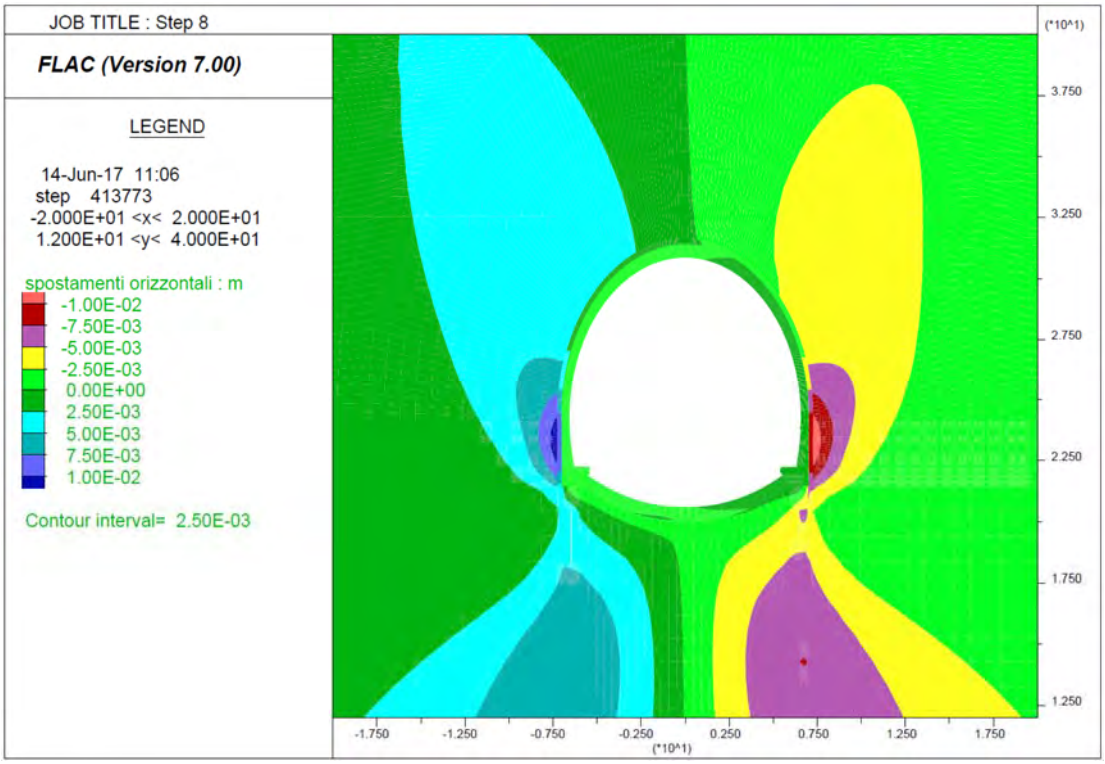


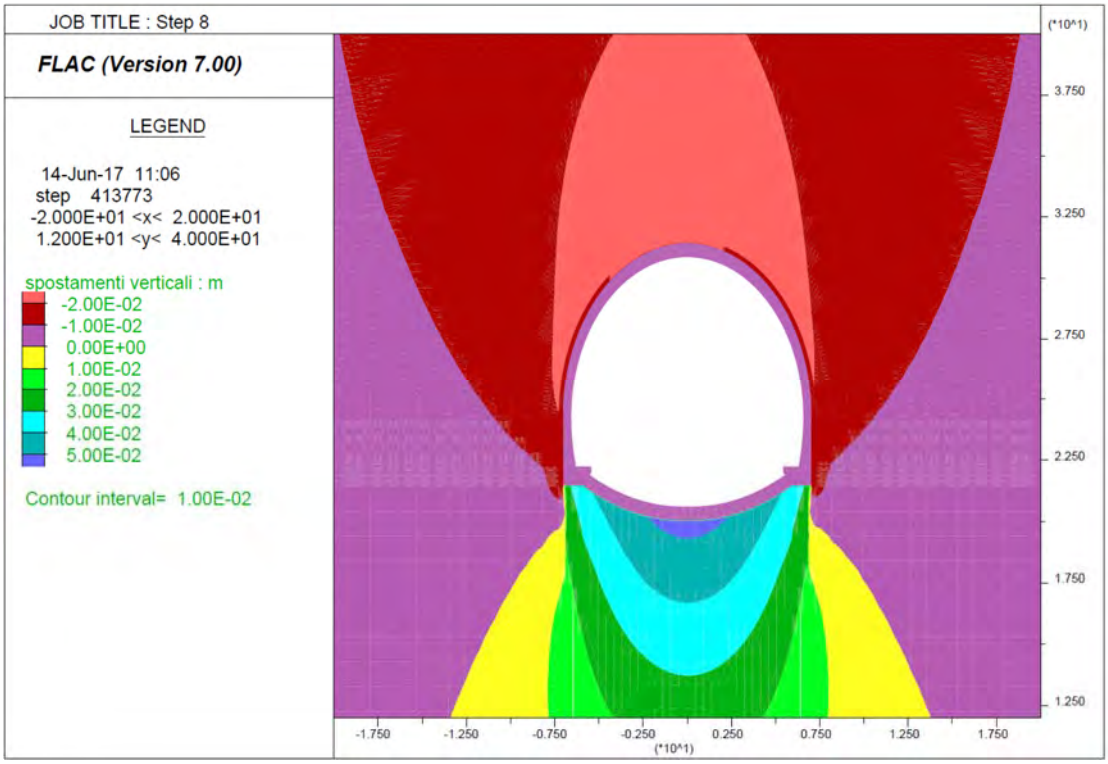

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:06
step 313773
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-2.00E-02
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
4.00E-02
5.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

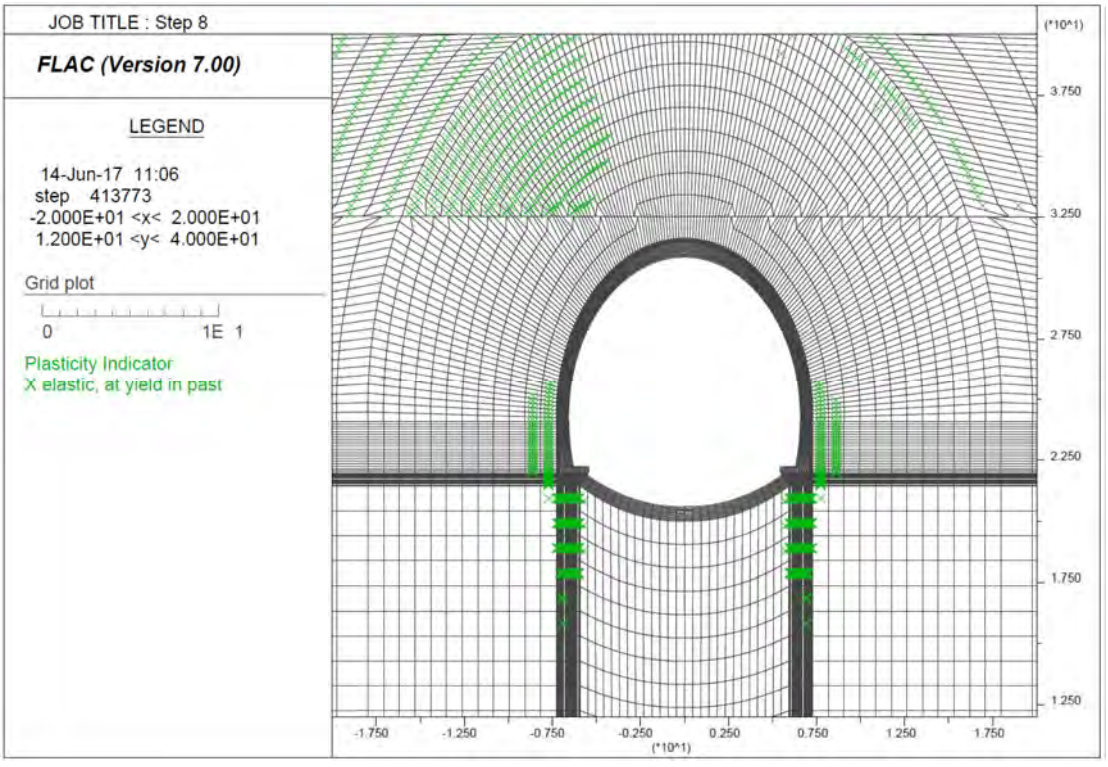

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:06
step 313773
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
" at yield in shear or vol.
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 8 - Getto Calotta

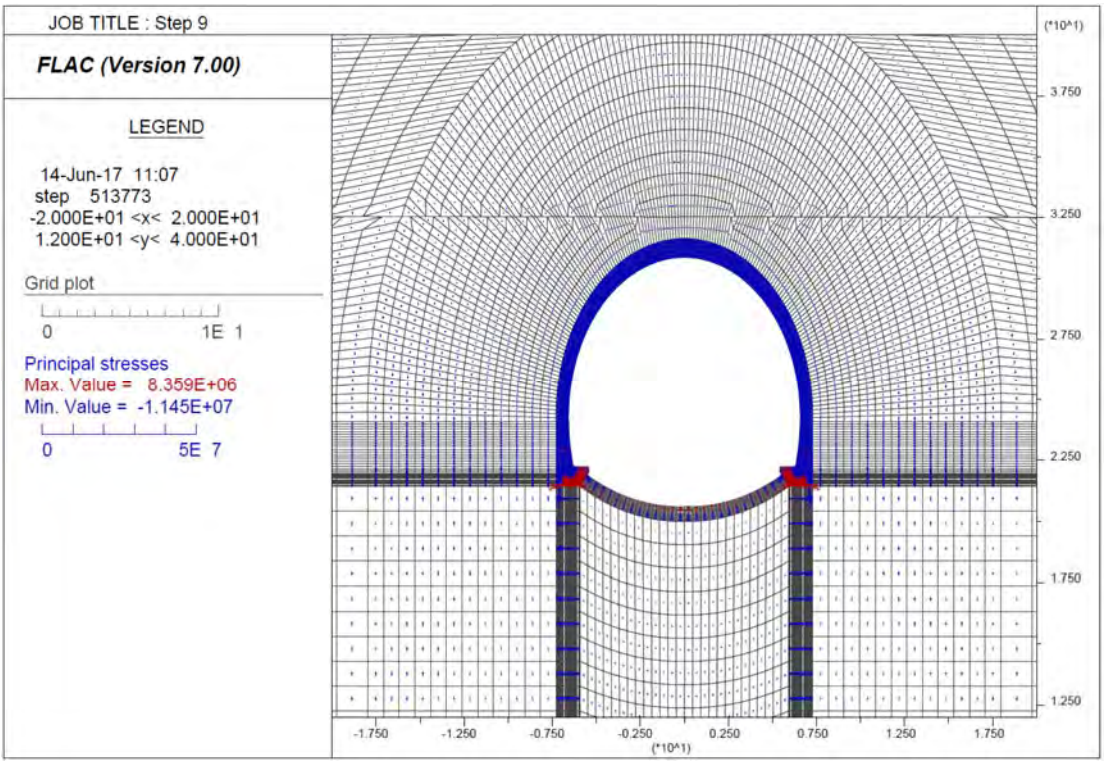


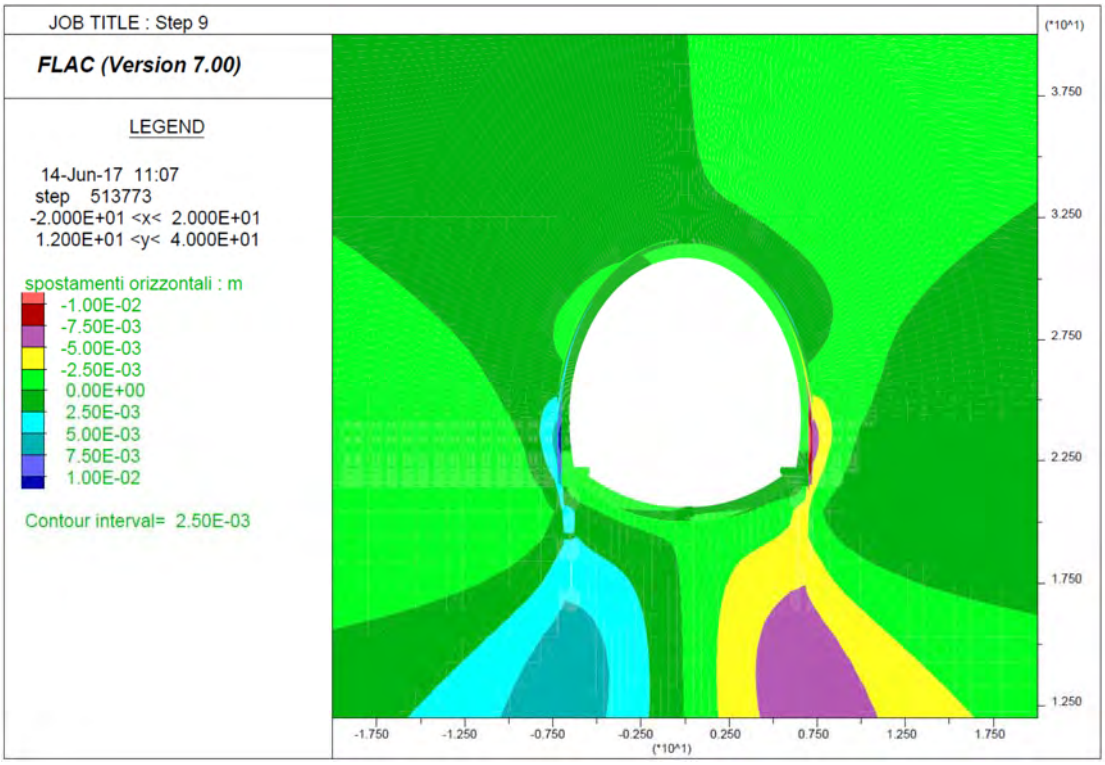


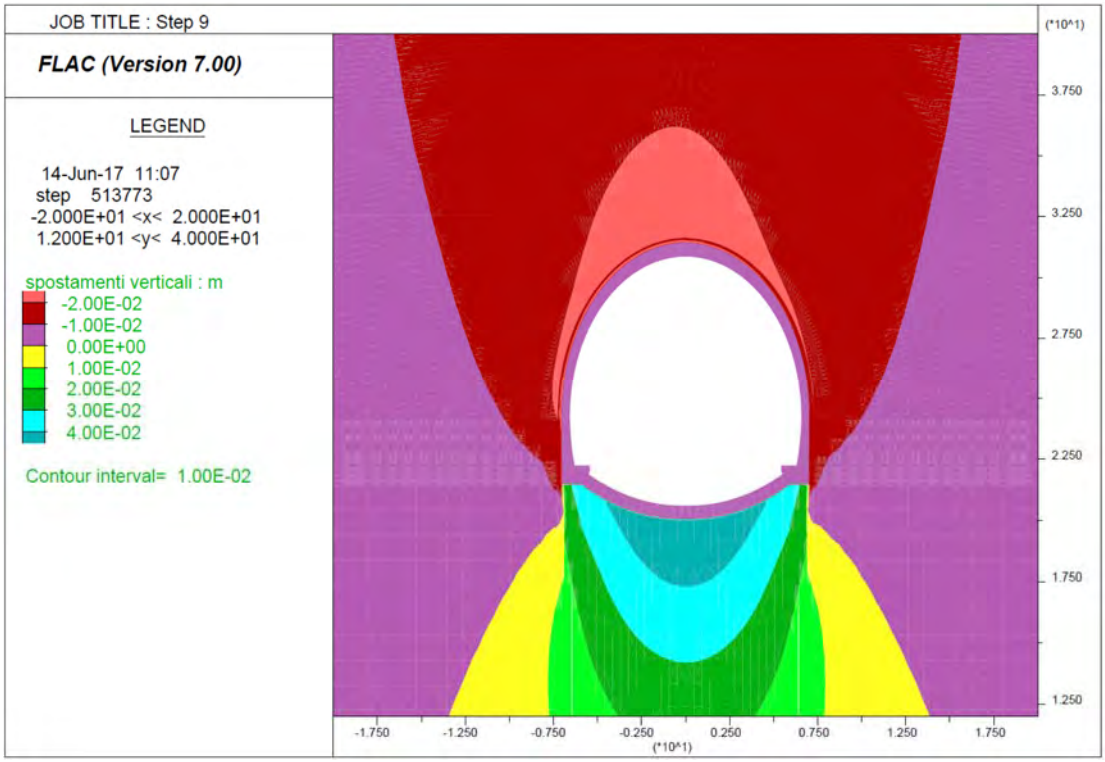

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:06
step 413773
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-2.00E-02
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
4.00E-02
5.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

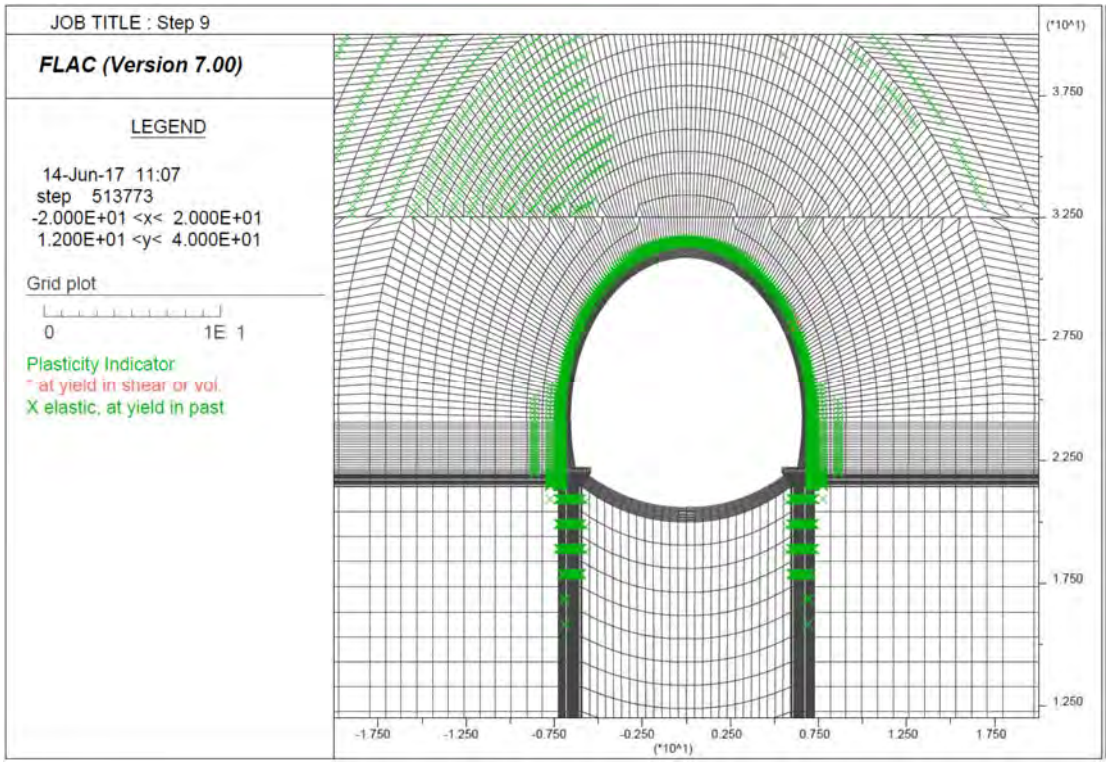

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:06
step 413773
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 9 - Decadimento dei parametri di resistenza del rivestimento provvisorio



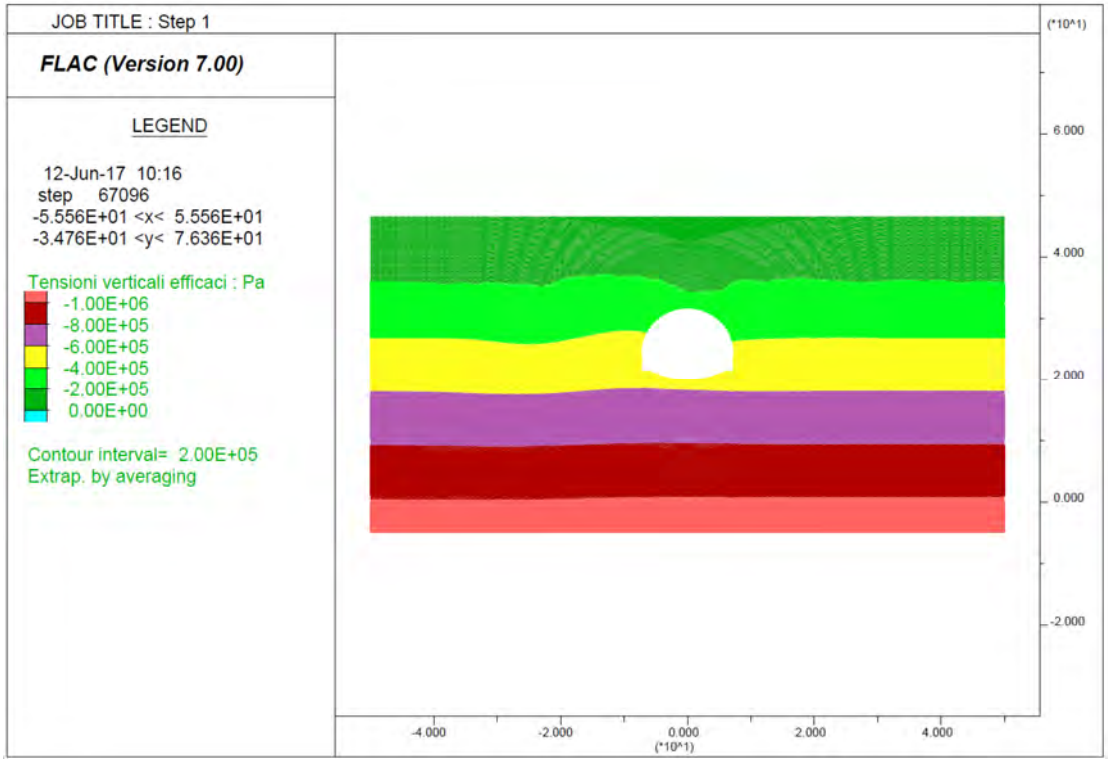


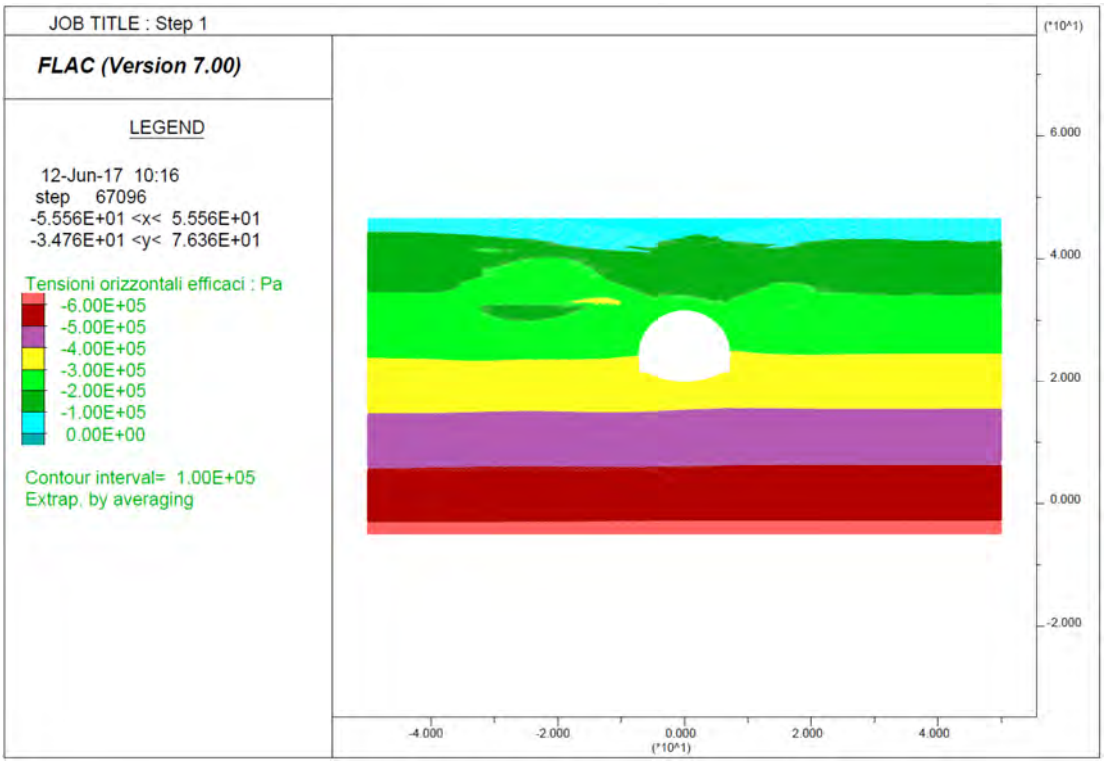

JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:07
step 513773
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-2.00E-02
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
4.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)


JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
14-Jun-17 11:07
step 513773
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
" at yield in shear or vol.
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

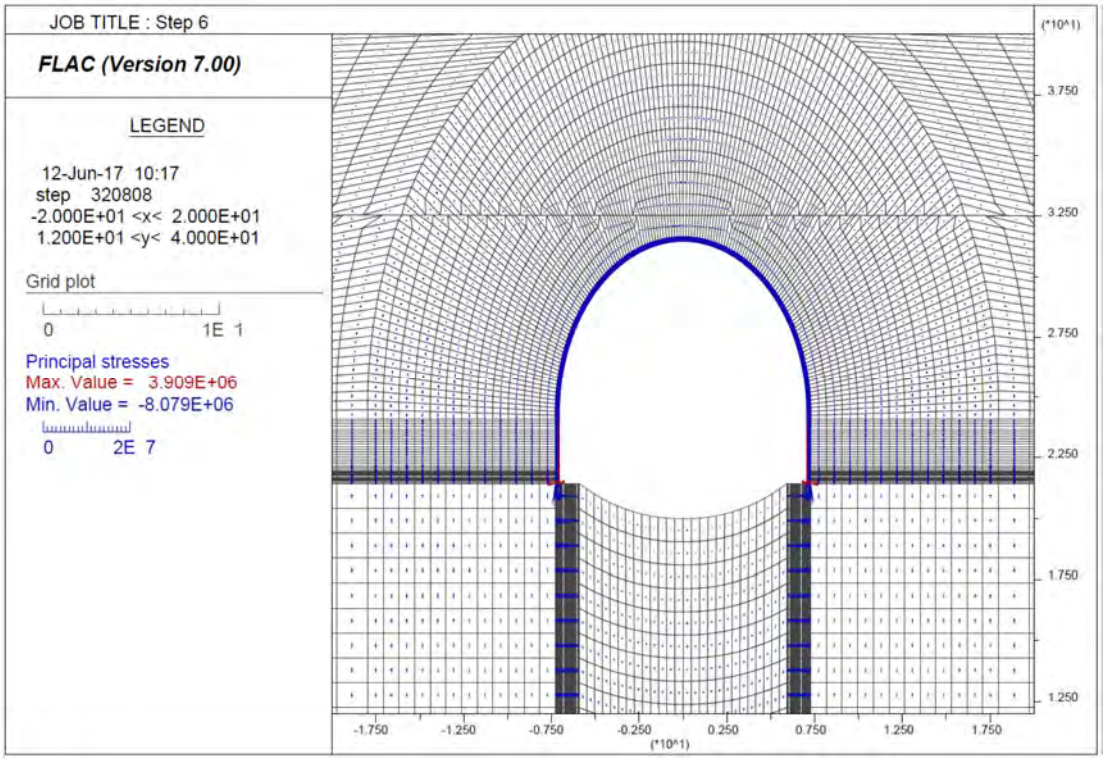
Output Flac – Sezione tipo B2v – Copertura di calcolo = 15 m

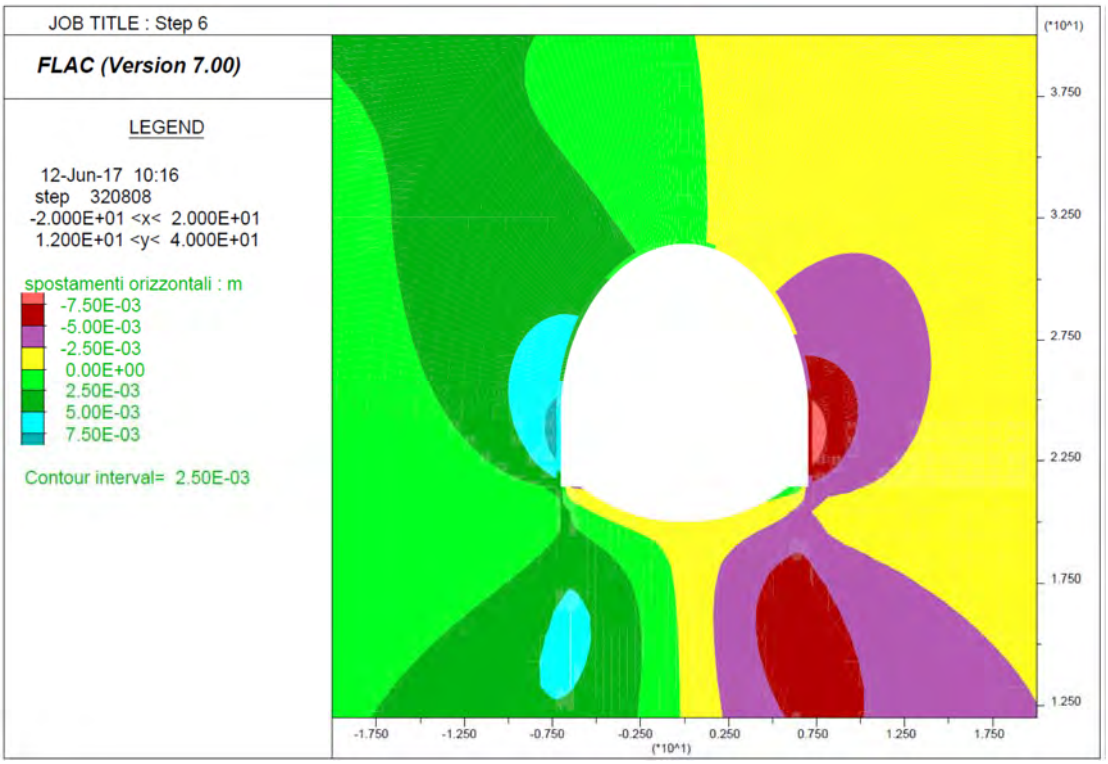
Step 1 – Tensioni litostatiche

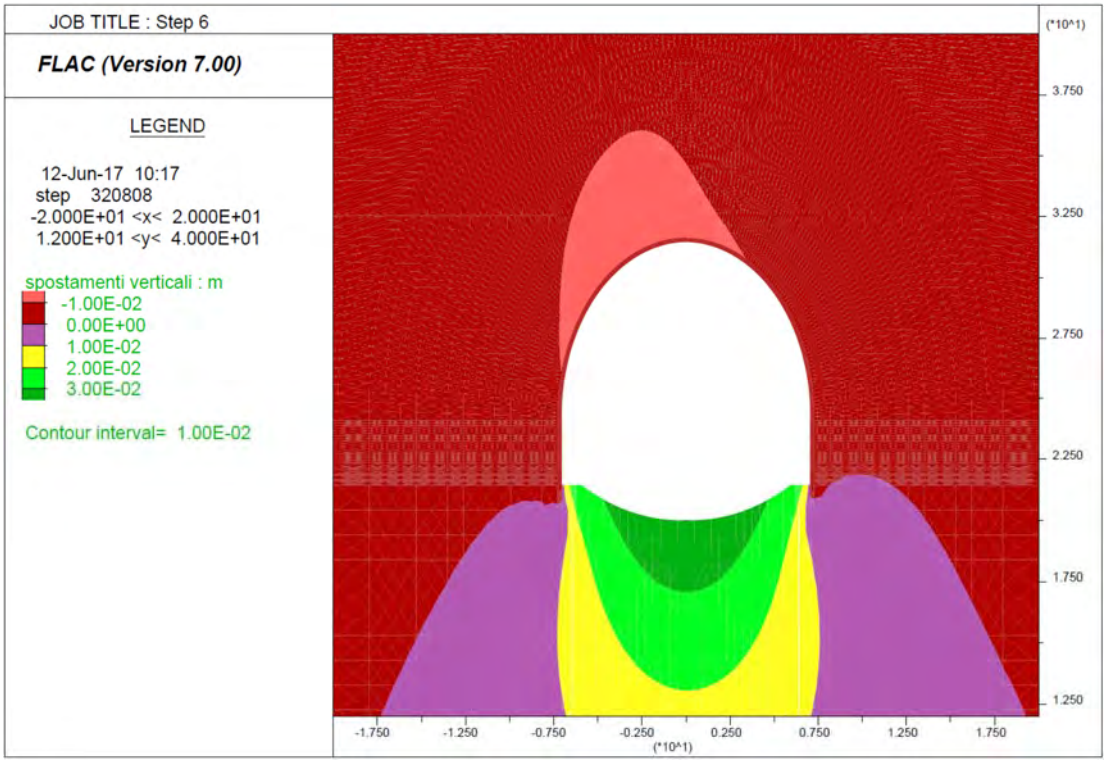


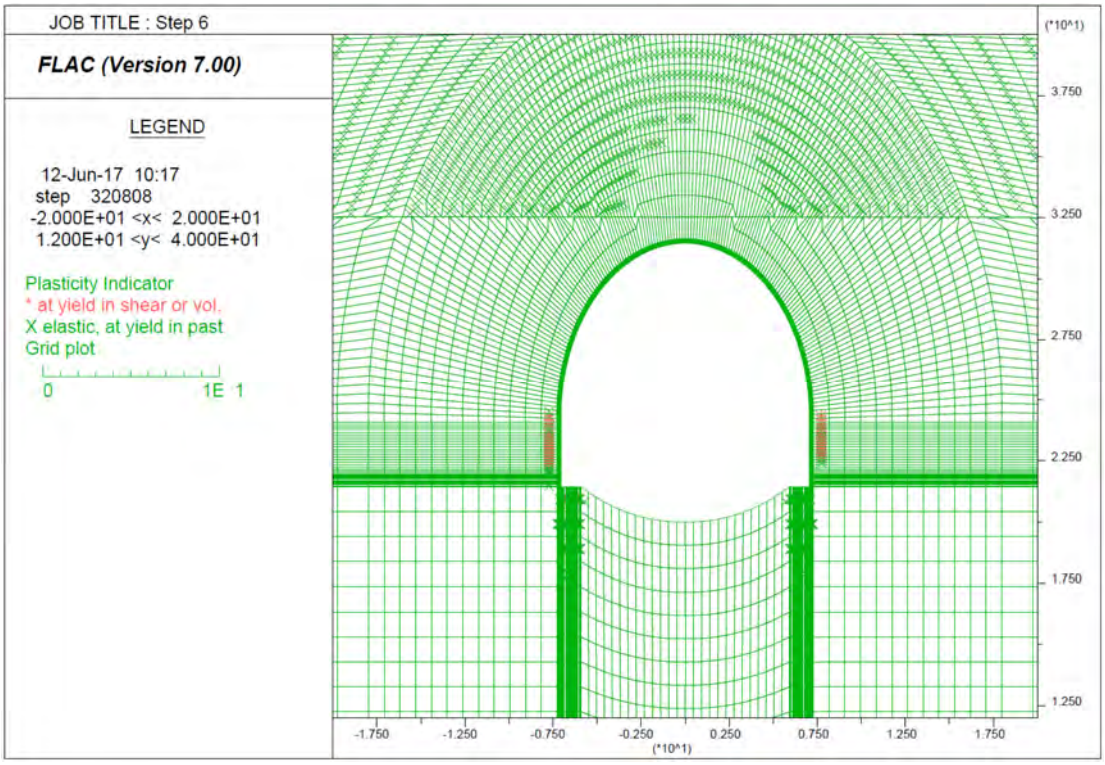


Step 6 – Avanzamento fino a 3D

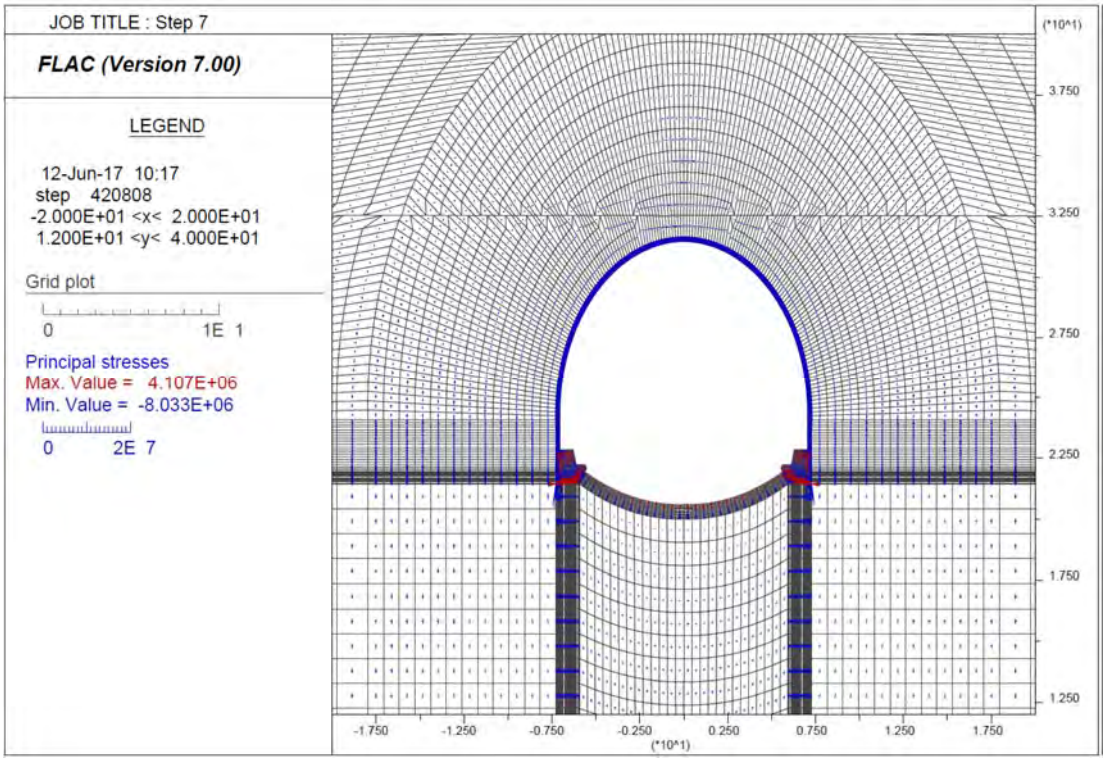


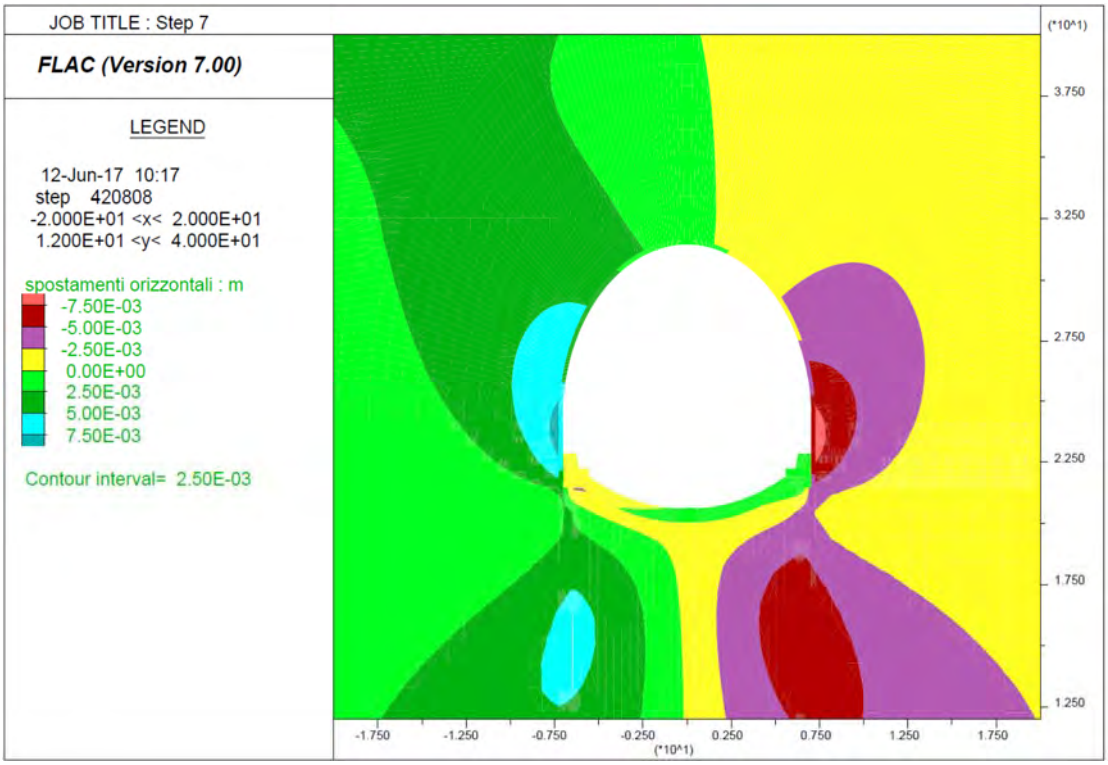


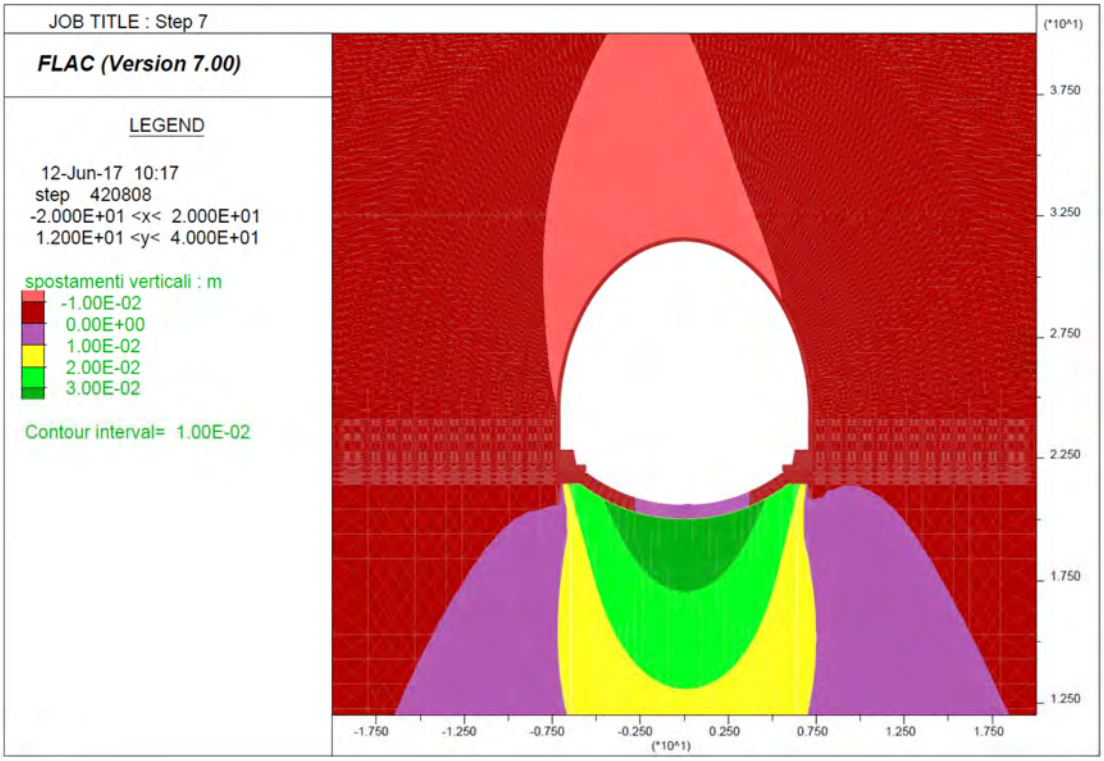

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
12-Jun-17 10:17
step 320808
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

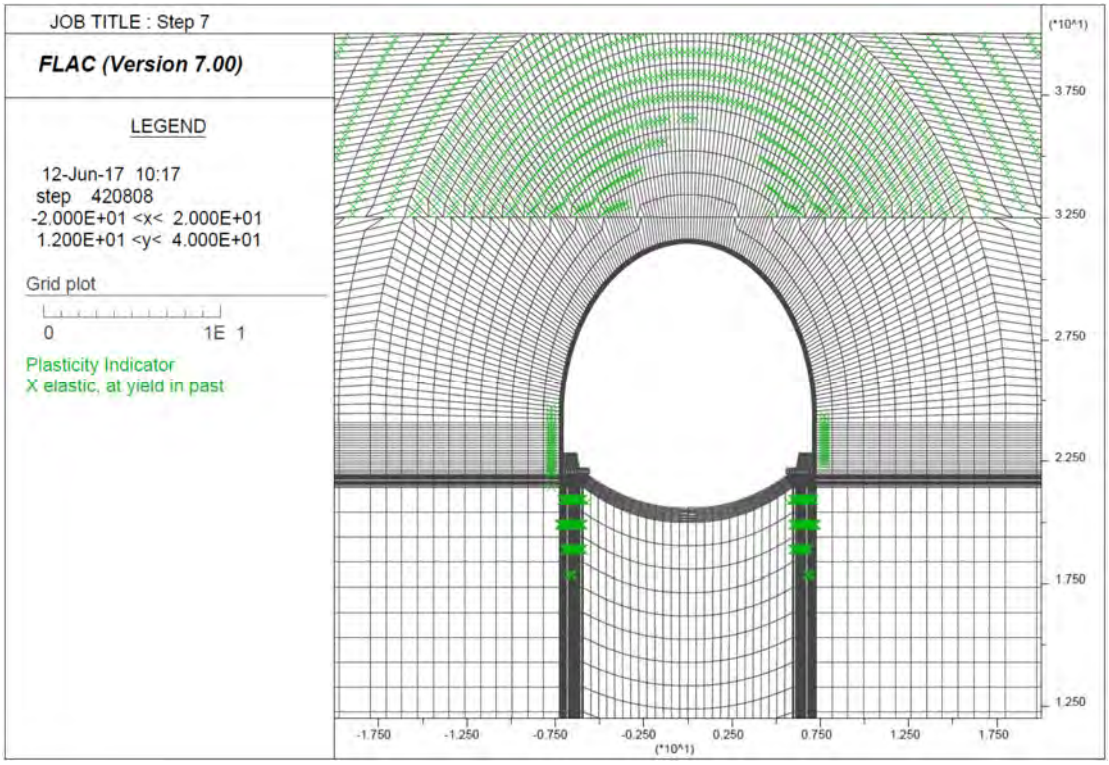

JOB TITLE : Step 6
FLAC (Version 7.00)
LEGEND
12-Jun-17 10:17
step 320808
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
Grid plot
0
1E 1
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 7 - Getto arco rovescio e muretta a 3D e avanzamento fino a deformazioni esaurite

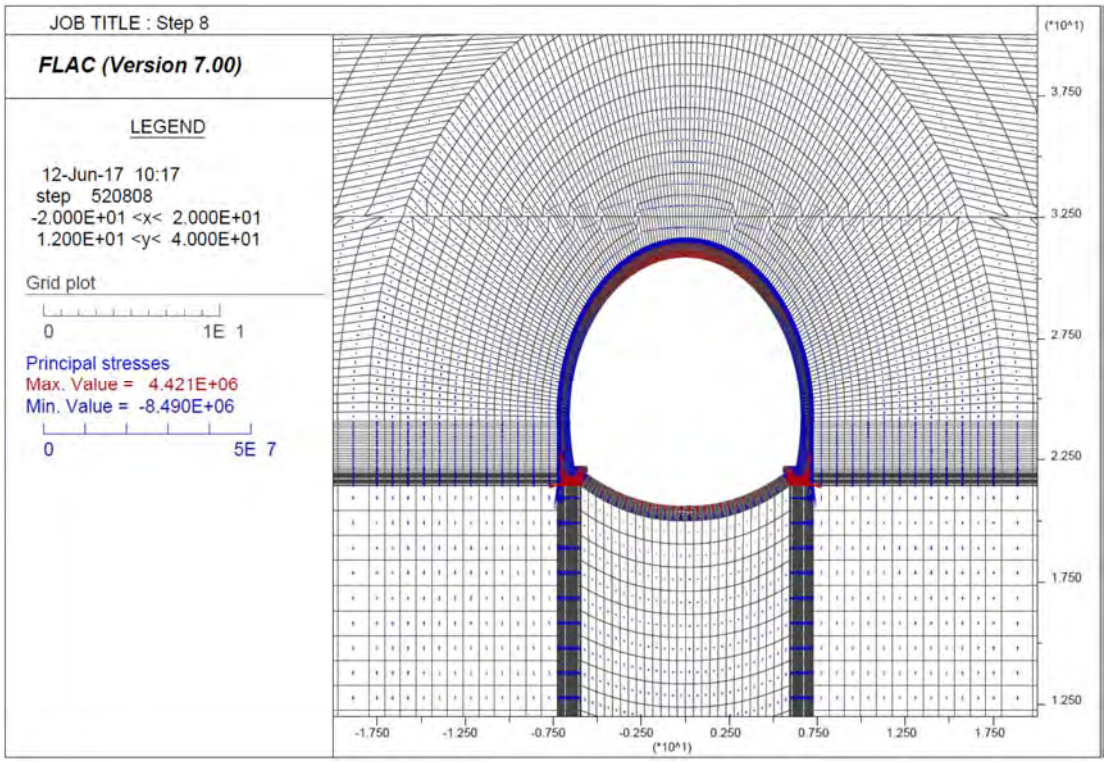


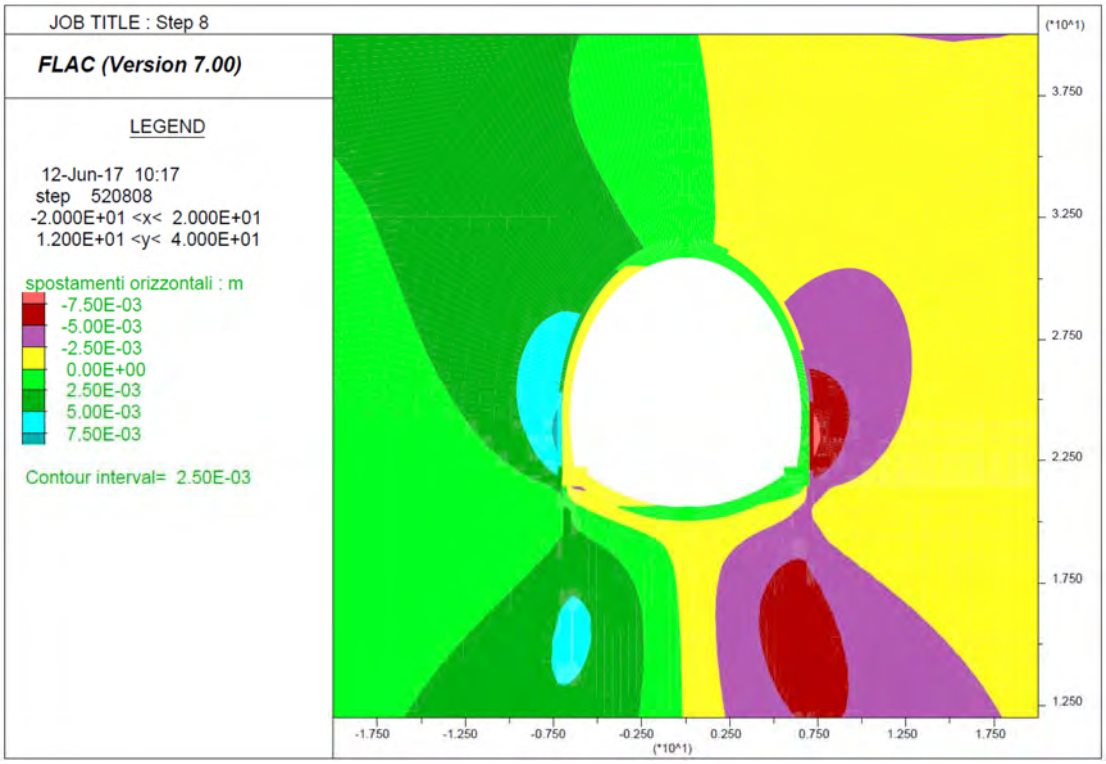


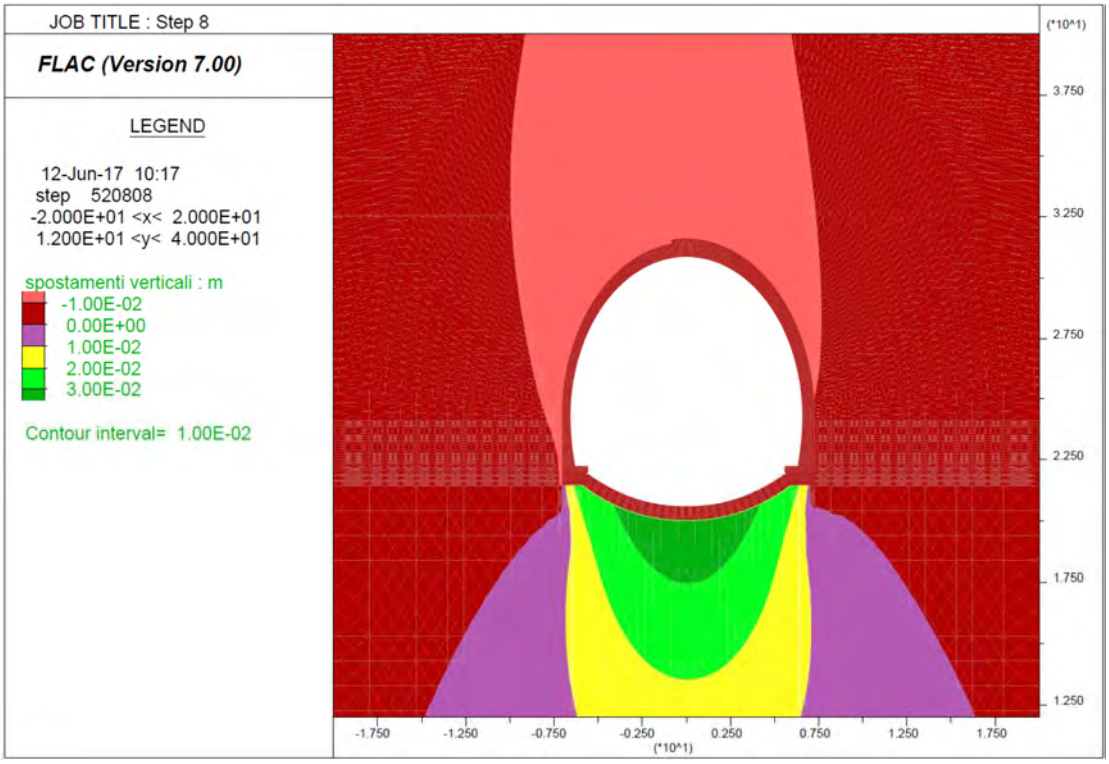

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
12-Jun-17 10:17
step 420808
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

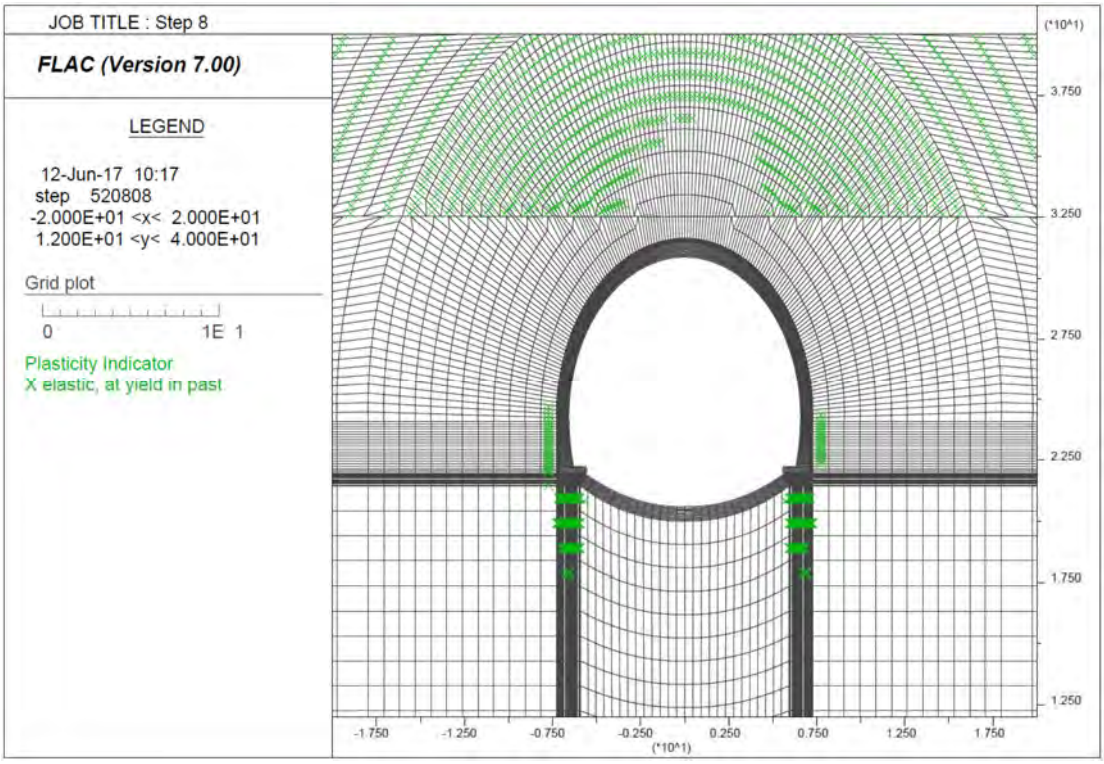

JOB TITLE : Step 7
FLAC (Version 7.00)
LEGEND
12-Jun-17 10:17
step 420808
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 8 - Getto Calotta

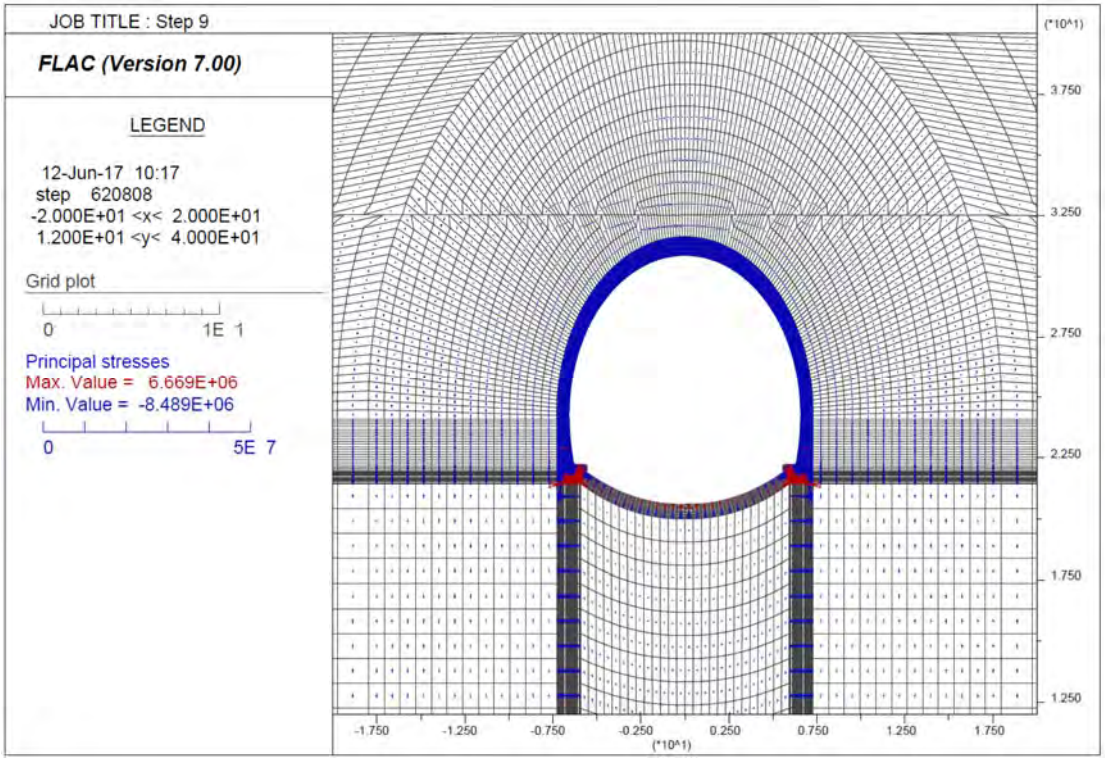


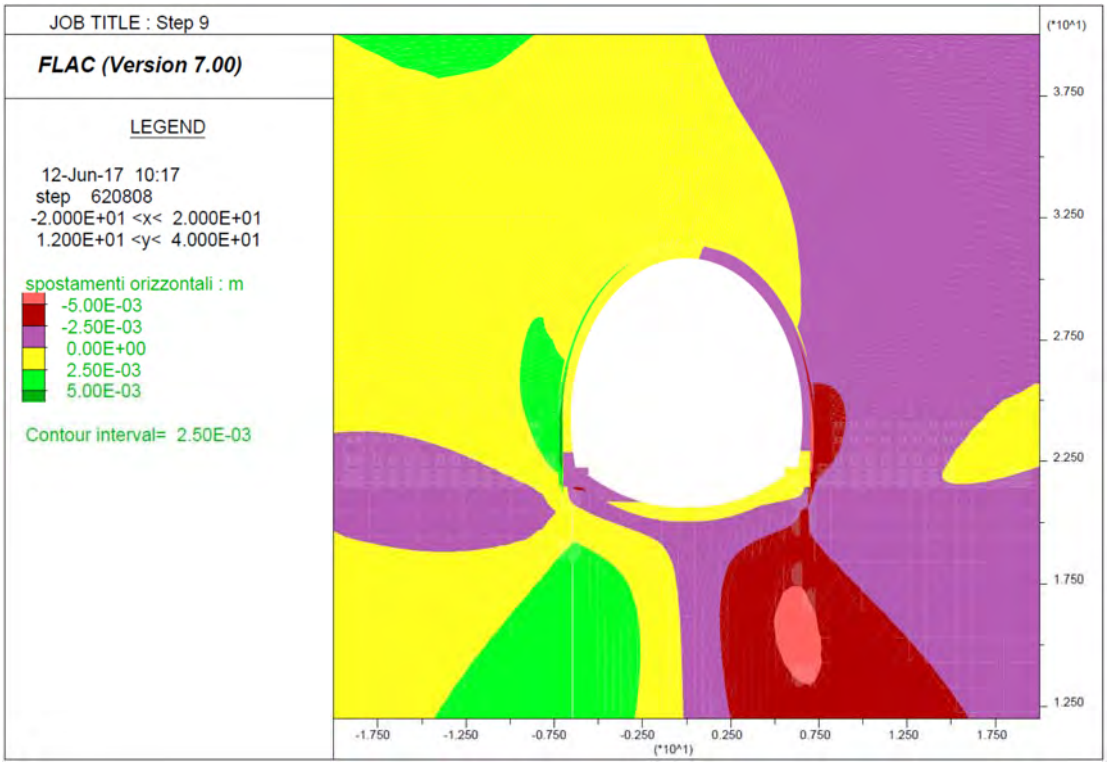


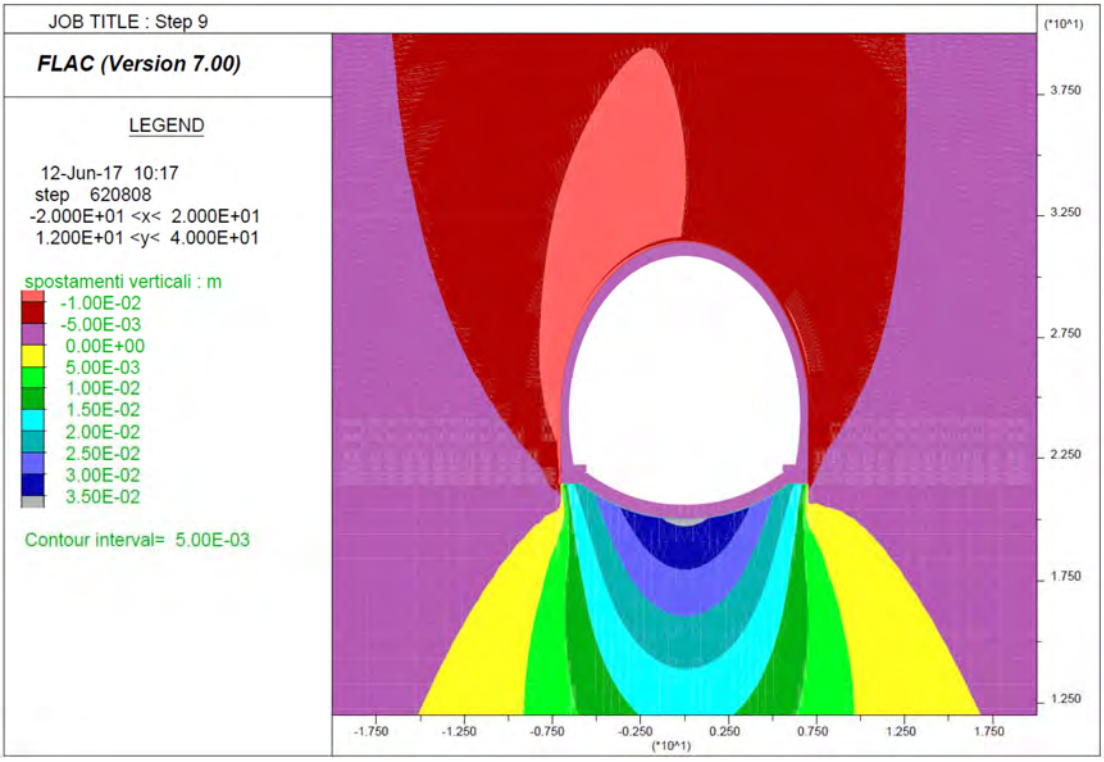

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
12-Jun-17 10:17
step 520808
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
0.00E+00
1.00E-02
2.00E-02
3.00E-02
Contour interval= 1.00E-02
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

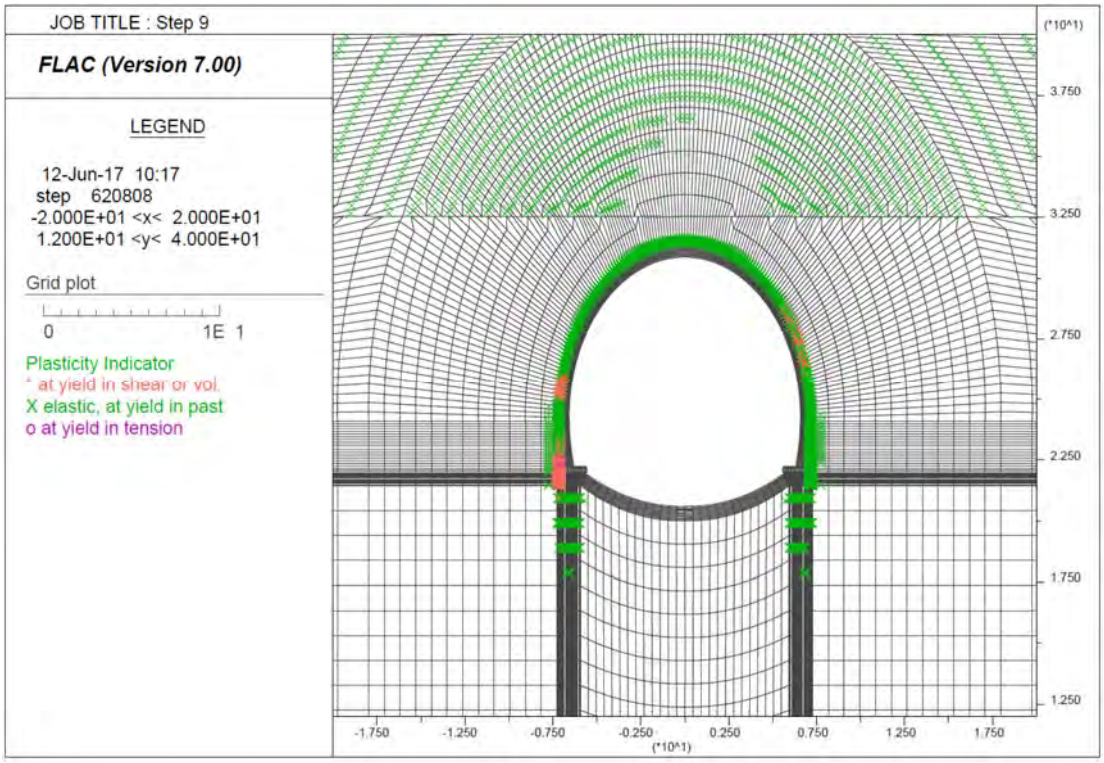

JOB TITLE : Step 8
FLAC (Version 7.00)
LEGEND
12-Jun-17 10:17
step 520808
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
X elastic, at yield in past
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)

Step 9 - Decadimento dei parametri di resistenza del rivestimento provvisorio






JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
12-Jun-17 10:17
step 620808
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
spostamenti verticali : m
-1.00E-02
-5.00E-03
0.00E+00
5.00E-03
1.00E-02
1.50E-02
2.00E-02
2.50E-02
3.00E-02
3.50E-02
Contour interval= 5.00E-03
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)


JOB TITLE : Step 9
FLAC (Version 7.00)
LEGEND
12-Jun-17 10:17
step 620808
-2.000E+01 <x< 2.000E+01
1.200E+01 <y< 4.000E+01
Grid plot
0
1E 1
Plasticity Indicator
* at yield in shear or vol.
X elastic, at yield in past
o at yield in tension
(*10^1)
3.750
3.250
2.750
2.250
1.750
1.250
-1.750
-1.250
-0.750
-0.250
0.250
0.750
1.250
1.750
(*10^1)