

Grouting Instruction L1 FIRST GROUT FAN

Tunnel	L1 ($\phi=6.9$ m)
Instruction N°	SI-1013

Chainage	0+457,8 (face)
Total Inflow face (L/s)	-
Total Inflow Probe holes (L/s)	3 l/s
Water pressure measured	

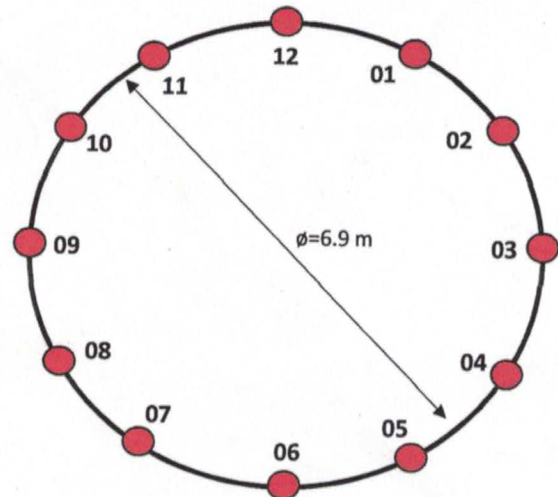
- 1- DRILL HOLES FROM #01 TO #12 IN SEQUENTIAL ORDER.
- 2- MEASURE WATER INFLOW AND PRESSURE IN ALL HOLES.
- 3- GROUT ALL HOLES AS INDICATED IN SI-1013.

Position of Grout holes:

Instructed by:	Ernesto Henriquez
Instruction date:	7/12/2016

HOLES

N° of Grout holes	12
Grout holes length (m)	30
Grout hole angle ref Tunnel axis	6° - 10°



NOTES:

- 1- If great discharges occurs (>10 L/s), stop drilling and grout.
- 2- Postgrouting exploratory holes shall be evaluated by OE/Strabag.

Design Mix (Type A,B,C, D or E)	D / E
GEOFOAM / PU	

Closure criteria

CLOSURE CRITERIA AS INDICATED IN SI-1013

* Subjected to further comments

STRABAG

Juan Molina

Name

Signature

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Ernesto Henriquez

Name

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