

ALTO MAIPO

OWNER'S INSTRUCTION

Section 2.29
PHAM-PLN12-INS-0003Contract: ☐ AM-CO610/620B ☒ AM-CO630/620A SI 63321 No 0559

Scope Segment Description: TUNNEL FROM VLS TO L9 Scope Segment ID: 5.9

Location: CH 0+014.9 Time for Compliance: BEFORE NEXT ROUND

Contractor shall immediately proceed with the Work described below, in accordance with the terms and conditions of the Contract. This instruction is limited to maximum of 1000 UF or USD \$ 50,000., and without impact on the lump sums or schedule (except for Equivalent Times in the BOQ).

Instruction: CONTROL HOLES AFTER 1st ROUND OF GROUTING (CH 0+014.9)
IN L9

THE CONSTRUCTOR IS INSTRUCTED TO DRILL CONTROL HOLES AS INDICATED IN THE FOLLOWING AND IN THE SKETCH ATTACHED

- DRILL HOLES 1 TO 4
- IF THE TOTAL WATER FLOW FROM THESE 4 HOLES IS $\leq 30 \text{ l/min}$ THEN GROUT THESE HOLES AND CONTINUE EXCAVATION
- IF THE TOTAL WATER FLOW FROM THESE 4 HOLES IS $> 30 \text{ l/min}$ THEN THE AREA AROUND THOSE 4 HOLES SHALL BE GROUTED AS DESCRIBED BELOW GROUT CONTROL HOLES AND DRILL 2 HOLES (A+D) ON EACH SIDE OF THE HOLES 1-4
- IF THE WATER FLOW OF THESE 2 HOLES IS $\leq 10 \text{ l/min}$ GROUT AND CONTINUE WITH NEXT CONTROL HOLE THE SAME WAY
- IF THE WATER FLOW OF THESE 2 HOLES IS $> 10 \text{ l/min}$ GROUT AND DRILL ANOTHER 2 HOLES (C+D) NEXT TO THE RECENTLY GROUTED ONES MOVING FURTHER AWAY FROM THE INITIAL CONTROL HOLE

NOTE:

MEASURE WATER INFLOW AND GROUT-WATER PRESSURE IN ALL HOLES

Owner estimate of impact is: Per Units in BOQ ☒ ; or cost ; &/or Time

If Contractor believes that this instruction constitutes a Change, Contractor shall promptly provide Notice according to Section 11 of the Contract.

Contractor comments (if any):

Issued by

Name: J. MARTINEZ

Sign:

Designation: GEOLOGIST

Date: 07-12-2015 Time:

Received by Contractor

Name: Matthias Rosenfeld

Sign: G. Manager

Designation: G. Manager

Date: 07.12.2015 Time: 19:00

(original): Contractor