

ALTO MAIPO**OWNER'S INSTRUCTION**Section 2.29
PHAM-PLN12-INS-0003Contract: ☐ AM-CO610/620B ☒ AM-CO630/620A SI6332 / N^o 0526

Scope Segment Description: TUNNEL FROM VLS TO TCS Scope Segment ID: 3,9

Location: Ch.0+036,4 CONTROL HOLES 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 FIRST GROUT ROUND:

THE CONTRACTOR 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 $< 30 \text{ L/min}$ THEN GROUT THESE HOLES AND CONTINUE EXCAVATION

• IF THE TOTAL FLOW FROM THESE 4 HOLES IS $> 30 \text{ L/min}$ THEN THE AREAS AROUND THESE 4 HOLES SHALL BE GROUTED AS DESCRIBED BELOW GROUT CONTROL HOLES AND DRILL 2 HOLES (A+B) ON EACH SIDE OF HOLES 1-4.

• IF THE WATER FLOW OUT THESE 2 HOLES IS $< 10 \text{ L/min}$ GROUT AND CONTINUE WITH NEXT CONTROL HOLE THE SAME WAY.

• IF THE WATER FLOW OUT OF THESE 2 HOLE IS $> 10 \text{ L/min}$ GROUT AND DRILL ANOTHER 2 HOLES (C+D) NEXT TO RECENTLY GROUTED ONES MOVING FURTHER AWAY FROM THE INITIAL CONTROL HOLE.

NOTE: MEASURE WATER INFLOW AND GROUNDWATER 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	Received by Contractor
Name: ENRIQUE GONZALEZ H	Name: Matthias Rorjell
Sign:	Sign:
Designation: Sr GEOLOGIST	Designation: Geo-Manager
Date: 10-11-2015 Time: 15:50 hr	Date: 10.11.15 Time: 16:22

Imp.San Pedro - F: 22556 6665 - (4077)

(original): Contractor