PROPOSED BLASTING PLAN

Hyak Wa. I 90

Company KLB Date SEPT 22, 2010 Shot # P004

Location of Blast ≈STA 1334 ON FREE FACE ADJACENT TO I-90 WEST

Date of Blast Planned SEPT 23 Time of Blast 6:30 Rock Type LAPILLI TUFF

Name of Blaster CHARLES MURPHY B. GROEN License Number UP 21262

Direction NORTH Distance ≈50' Feet From I-90 WESTBOUND

# of Pre-Split Holes — Spacing ____ Depth ____ Slope ____ Charge WT ____ LF Drilled ____

No of Holes 12 Burden AS APPR ft Spacing AS APPROPRIATE ft Depth ____ Diameter ____

No of Holes ____ Burden ____ ft Spacing ____ ft Depth ____ Diameter ____

No of Holes ____ Burden ____ ft Spacing ____ ft Depth ____ Diameter ____

No of Rows 2 Bench Height 5'-7' ft Yield ____ cu/yds Subdrilling N/A

Type and Height of Stemming 1/2" CRUSH VARIOUS HEIGHTS Max Weight of Explosives per Delay 5.5 LBS

Explosives Type and Estimated Quantity's

Anfo ____ lbs Primer's ____ lbs/ea Pre-Split Powder ____ lbs

Stick Powder Type POWERDITCH 1000 Amount ≈ 50 STK. lbs

Stick Powder Type ____ Amount ____ lbs

Stick Powder Type ____ Amount ____ lbs

Hole to Hole Delay 25 MS Row to Row Delay 17 MS

Total Weight of Explosives 31.25 lbs Estimated Powder Factor 0.21 lbs cu/yd

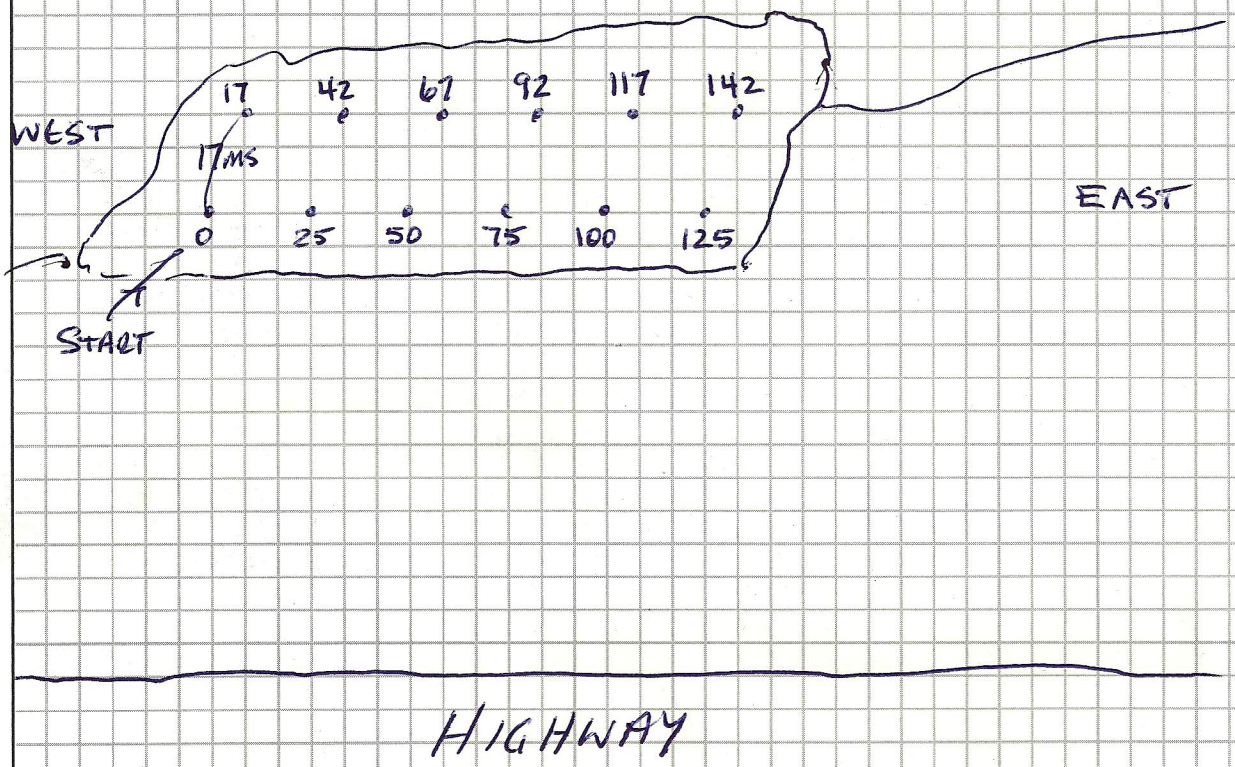
Method of Initation SHOTSHELL PRIMER Type of Detonator & Delay 16' HANDIDET 25/500

Notes:

Plan Submitted By [signature] Date SEPT 22, 2010

COMPUTATIONS

@ STA 1334 ON FREE FACE
ADJACENT TO I 90 WEST.



PACIFIC BLASTER: B GREEN

PACIFIC
BLASTING & DEMOLITION LTD.
3183 NORLAND AVENUE
BURNABY, BC V5B 3A9
TEL 604 291 1255 FAX 604 291 2813
(INSURED AND BONDED)

JOB. NO.	SUPT.
PROJECT	HYAK TO SNOWSHED I 90
LOCATION	STA 1334
DETAILS	BLAST # P004.