PROPOSED BLASTING PLAN LOG

Project: HYAK TO SNOWSHED I-90 Date: 8/11/10

Company: KLB Shot No. WS 20

Location of Blast: STA 1316+00 TO STA 1318+00

Rock Type: BASALT

Time of Blast - Planned or Actual: 8:00 PM

Date of Blast - Planned or Actual: 8/12/10

Name of Blaster: CHARLES MURPHY License Number: UP21262

Direction: N Distance: 150' ft from I-90 WESTBOUND

No. of Holes: 81 Burden PRESPLIT ft. Spacing: 30" ft. Depth: 27' Diameter: 3½"

No. of Rows: 1 Bench Height: 24 ft. Yield: N/A Subdrilling: ____ ft.

Types and Height of Stemming: 5' 3/8" CRUSHED STONE ft.

Types of Explosives: SENETEL POWERSPLIT 575 lbs. Primer: 50GR DET CORD ____ lbs.

____ ____ lbs. ____ ____ lbs.

Maximum Weight of Explosive Detonated Within Any 8ft. Delay period: ____ lbs.

Hole to Hole Delay 17MS / 5 HOLES ft.
Row to Row Delay: NO ft.

Total Weight of Explosives, Including Primers, this Blast: 575 lbs.

Estimated Powder Factor or Explosives Ratio: NA lbs/uft
____ lbs/Ton

Method of Firing: NONELECTRIC SHOT SHELL PRIMER

No. of Timer Circuits: NA Timer Interval: ____ lbs.

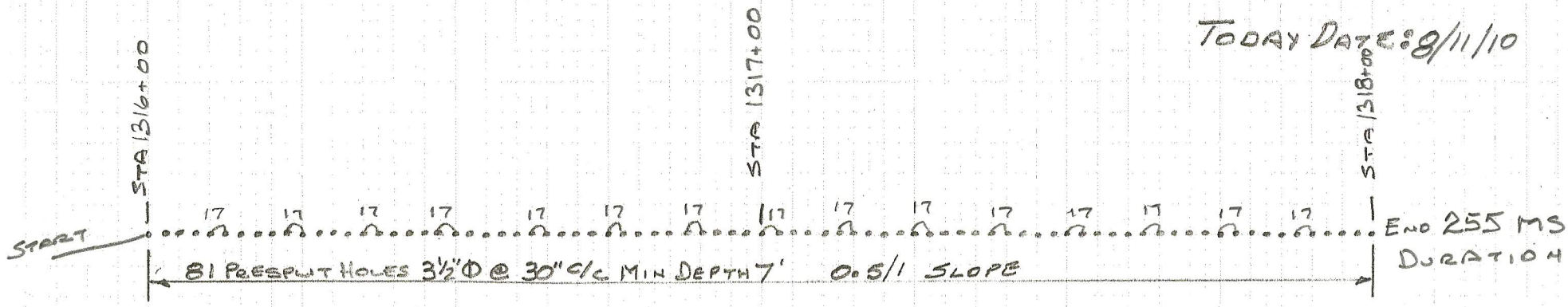
Type of delay detonator used: ____ Time Interval: ____ ft/s

RESULTS: NOTE: THIS BLAST WILL REQUIRE 36 HOURS OF ACTIVE DRILL TIME MINIMUM.

Submitted by: [signature]

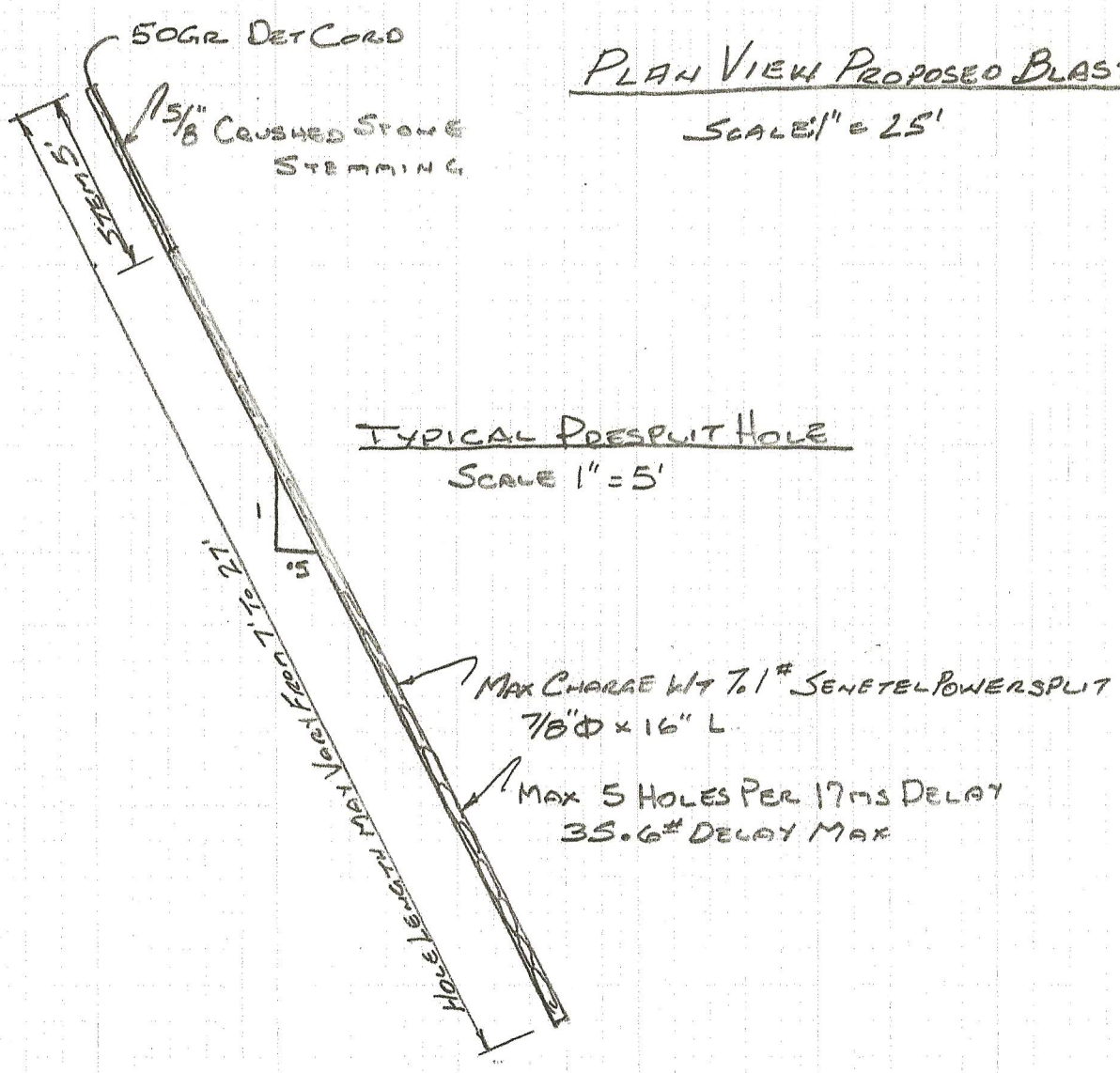
FORMS_FIELD_Proposed Blasting Plan rev. 20080620

TODAY DATE: 8/11/10



PLAN VIEW PROPOSED BLAST

SCALE: 1" = 25'



TYPICAL PRESPLIT HOLE

SCALE 1" = 5'

PROPOSED BLAST #: WS20

PROPOSED DATE: 8/12/20

SUBMITTED BY: CHARLES MURPHY