BLAST REPORT **BLAST REPORT #** 39

☐ Sanders Construction, Inc. ☐ Western States Drilling & Blasting, Inc.

DATE: SEPT 14, 2010 EXACT TIME OF SHOT:

CUSTOMER: KLB JOB NO.: WS 21005

SHOT LOCATION WITH GPS COORDINATES: 1338+50 - 1339+50 P.S TICKET NO.:

1338+25 - CHECK LIST COMPLETED: YES NO

TYPE OF ROCK: LAPILLI TUFF FACE HEIGHT: MUCK BOUND FT. POUNDS PER DELAY: MAX 70#

TOTAL HOLES: ~~88~~

NUMBER OF HOLES: 128 TOTAL 40 PRESPLIT HOLE DIA: 3½ BxS x STEMMING: DEPTH:

3"Φ @ 30" C/C

NUMBER OF HOLES: 88 HOLE DIA: 3½ BxS 8 x 8 STEMMING: 7 DEPTH: 26

POWDER FACTOR: LBS. OF EXPLOSIVES: 2603 YARDS OF ROCK: 4224 1177 PS

WEATHER: CLEAR WIND: CALM

EXACT MONITOR LOCATION(GPS): DIRECTION OF BLAST: MONITOR TYPE:

MONITOR: L/R T V PVS Db MONITOR SERIAL NO.:

DISTANCE TO BLAST: AVERAGE POUNDS PER HOLE: OPERATOR:

EXACT MONITOR LOCATION(GPS): DIRECTION OF BLAST: MONITOR TYPE:

MONITOR: L/R T V PVS Db MONITOR SERIAL NO.:

DISTANCE TO BLAST: AVERAGE POUNDS PER HOLE: OPERATOR:

EXPLOSIVES

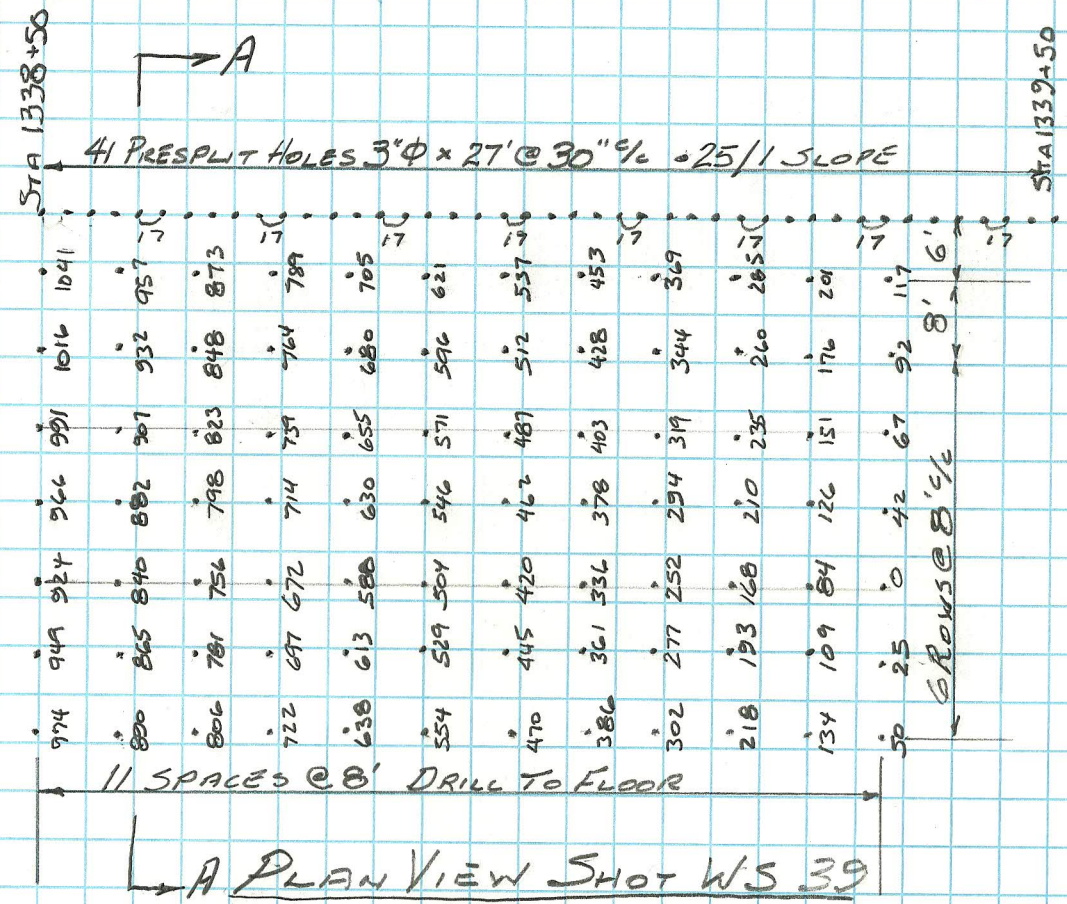
DESCRIPTION	QUANTITY USED	DATE CODE	MAGAZINE	REMOVED	RETURNED
LOCATION:					
BULK A/N	Lbs				
BAG ANFO	43 Bags	JUL 30 10		50	7
POWDER XTRA 25/16	52 ST ea.	10MY10J1		54	2
POWDER 7/8 POWERS	2 Cs ea.	100120		2	0
lb. BOOSTER	ea.				
lb. BOOSTER	ea.				
30 ft. H.DET	34 ea.	16AU10B4		34	0
40 ft. H.DET	45 ea.	05AP10B4		100	55
12 ft. CTO 42	24 ea.	25JA10B4		89	65
ft.	ea.				
ft.	ea.				
ft.	ea.				
ft. ms	ea.				
POWERSPLIT 7/8"	3.75 Cs ft.	91013		5 Cs	1.25 Cs
50 GRAIN CORD	400 ft.	31MY10T4			
GRAIN CORD	ft.				
MISCELLANEOUS					
1¼x8 M FRAC	89	061128		111	22
MSC 17	13	12JA09B4		77 ~~77~~ ~~64~~	64

COMMENTS:

BLASTER'S SIGNATURE: LICENSE NO.: UP 21262

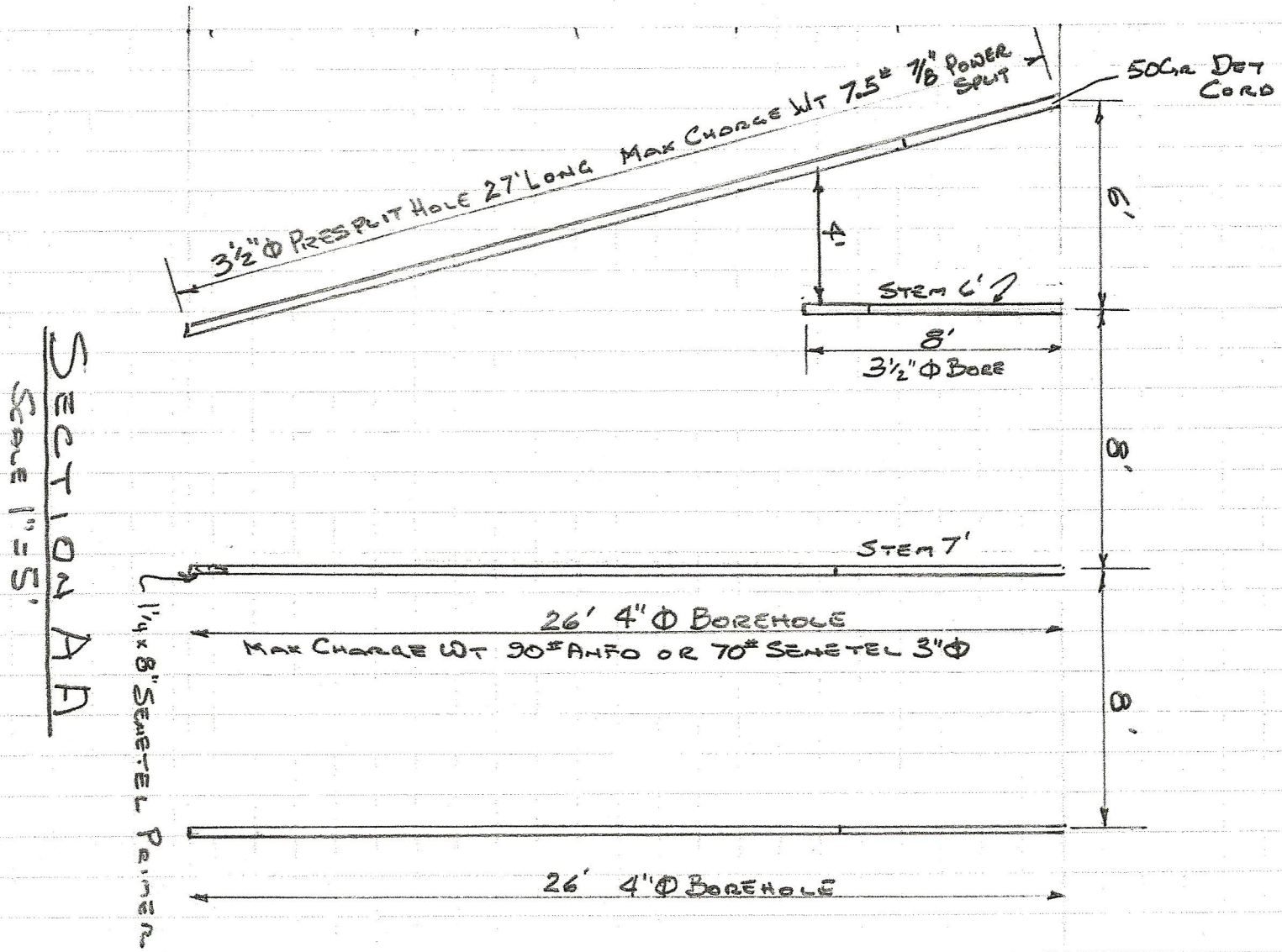
ATTACH SKETCH OF SHOT

Revised 03/04 THIS FORM MUST BE FILLED OUT COMPLETELY



PLAN VIEW SHOT WS 39

SCALE 1" = 20'



SECTION AA

SCALE 1" = 5'