Client: ms consultants | *Project:* FRA-70-8.93 | *Job No.* 0221-1004.01

LOG OF: Boring B-040-0-08 | *Location:* Sta. 211+71.37, 62.65' RT., BL I-70 EB | *Date Drilled:* 8/15/2008 to 8/19/2008

WATER OBSERVATIONS:
Water seepage at: 10.5', 23.0', 47.0'
Water level at completion: 29.7' (beginning of shift, 8/18/08)
29.3' (includes drilling water)

FIELD NOTES:
Advanced boring using 4.0" diameter flush joint casing.

Depth (ft)	Elev. (ft)	Blows per 6"	Recovery	Sample No. Drive	Sample No. Press / Core	Hand Penetrometer (tsf)	DESCRIPTION	Graphic Log	GRADATION % Aggregate	% C. Sand	% M. Sand	% F. Sand	% Silt	% Clay	STANDARD PENETRATION (N60) / Natural Moisture Content, % - PL / LL / Blows per foot - Non-Plastic - NP
	683.9						Very dense gray GRAVEL WITH SAND (A-1-b), some to "and" coarse sand, little to some fine sand, little to some silt; wet.								
		45 50/4	10	25					48	25	---	12	--15--		NP, 50+
80															
		50/4	1	26			@ 83.5'-85.0', drove on cobble.								50+
85															
		40 50/5	11	27											50+
90															
		35 50/5	7	28											50+
95															
		37 41 50/5	17	29					15	39	---	29	--17--		NP, 50+
100	658.9														