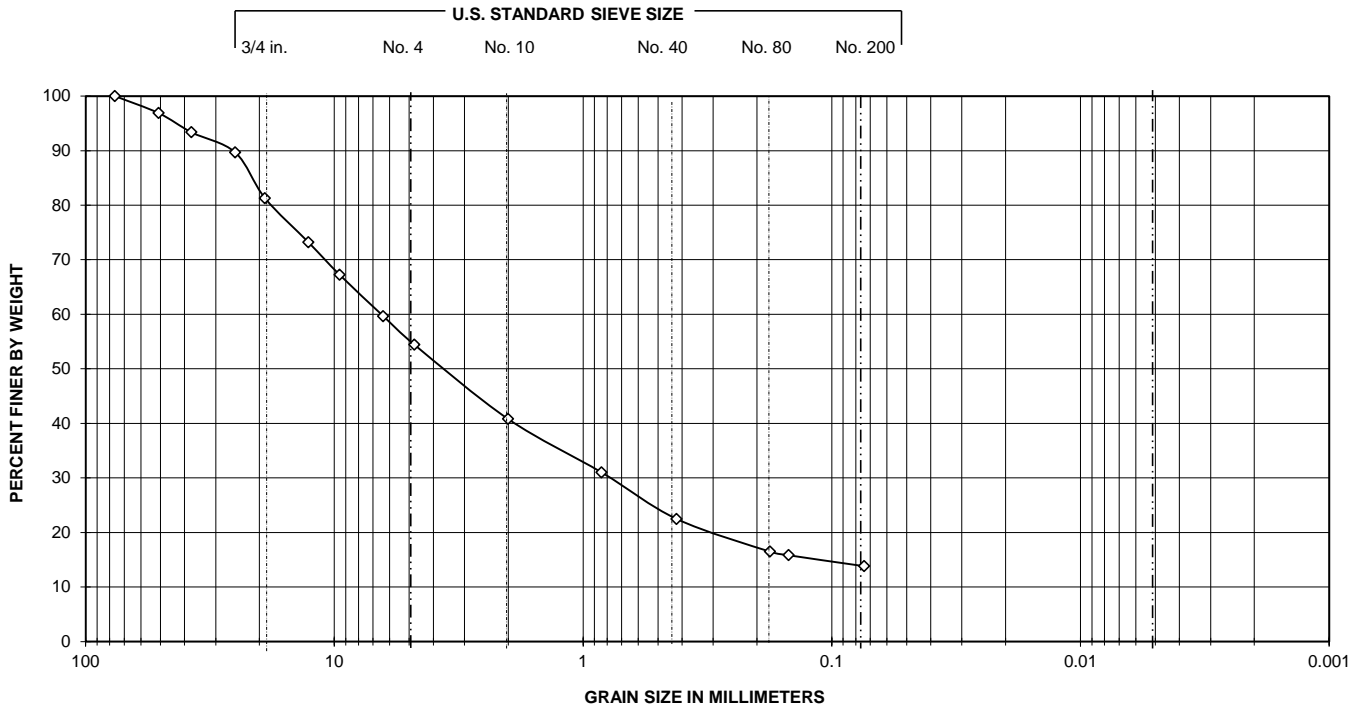
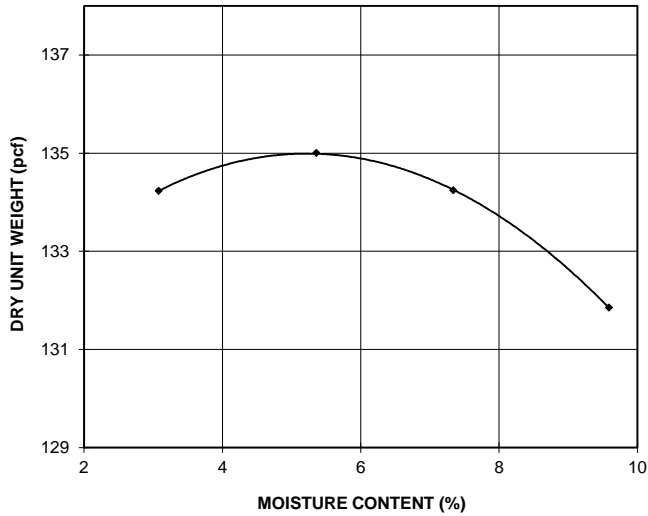


GRAIN SIZE DISTRIBUTION ASTM D422



COBBLES	GRAVEL		SAND			SILT	CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE		

COMPACTION ASTM D1557



SOIL PROPERTIES	
Soil Description: Silty Sand with Gravel Mix	
Source: Unknown	
$C_c = 0.9$	45.6 %Gravel 40.6 %Sand 13.8 % Silt & Clay
$C_u = 11.1$	
LL = n/a	
PL = n/a	
PI = n/a	
USCS = GM	

CLIENT:	Horizon
PROJECT:	Olson Backfill
JOB NO:	
DATE:	11/13/2014

MAXIMUM DRY DENSITY ($\gamma_{d \max}$): **135.0 pcf**
OPTIMUM MOISTURE CONT. ($\omega_{opt.}$): **5.3 %**