

City Utilities Design Standards Manual

Exhibit GR8-5 Soil Test Pit Log Sheet

Created: Februar	y 2012	Revised:

roject: ame: ocation: est Pit #				Date: Soil Series: Other:			
Horizon	Depth (In.)	Color	Redox Features	Texture	Notes (if applicable)	Boundary	
OTES:		REDOX FEATU	RES		COARSE FRAGMENTS (% of	profile)	
	Abundance Few < 2%				15-35% 35-65% >65% gravelly very gravelly extremely gravelly		
	Common 2 - 20%				channery very channery extremely channery		
		Many > 20				nely cobbly	
		Contrast	70			mely flaggy	
		faint				mely stony	
		hue & chrom	a of matrix		storiy very storiy extrei	nely storty	
			e closely related.		BOUNDARY		
		distinct	o dosely related.		Distinctness		
			ox features vary		abrupt< 1" (thick) gradual	2.5 - 5"	
1 - 2 units of hue and several unite of chroma & value. prominent			es	dear1 - 2.5" diffuse			
				Topography			
					smooth - boundary is nearly lev	rel .	
		Matrix & red	ox features		wavy - pockets with width > tha	n depth	
	vary several units in hue, value & ch			chroma	irregular - pockets with depth >	than width	
		HORIZONS					
	 O - organic layers of decaying plant and 			and	B (subsoil) - mineral horizon with evidence of		
	animal tissue (must be greater than 12-				pedogenesis or Illuviation (movement into the		
	18% organic carbon, excluding live roots).			,	horizon).		
	A (topsoil) - mineral horizon at or near				C (substratum) - the un-weathered geologic		
	the surface in which an accumulation of				material the soil formed in. Shows little or no		
	humified organic matter is mixed with the			i the	sign of soil formation.		
		mineral material	zon which the main fe	atura is loss of sil	licate clay		