4-34				
G E U S E	NERAL D FOR	CLASSIFY	SHIP OF SYST ING SOIL SAMP	EMS LES ^y
USDA Texture Class & Symbol	Unified Symbol	AASHO Symbol	Soil Prop Related to Cla	
Clay; silty clay "c"; "sic"	СН МН СL	A-7 A-7 A-7	High shrink-swell of Mica, iron oxide, b	aolinitic clays
Silty clay loam "sicl"	CL ML-CL CH MH	A-7 A-7 A-7 A-7 A-7	High LL. High shrin	A-6 clay < 30%) cic. (A-6 clay < 30%)
Clay loam ''cl''	CL ML-CL CH MH	A-6 or A-7 A-6 A-7 A-7	Low LL. Plastic Low LL. Moderately High LL. High shrir	/ plastic
Loams "1"	ML-CL CL ML	A-4 A-6 A-4	Moderately plastic Plastic (A-4 clay Low plasticity. (/	(A-6 clay > 21%) < 22%) A-7 clay > 21%)
Silt loam "sil" Silt-"si"	ML-CL ML CL ML	A-4 A-4 <u>A-6</u> A-4	Moderately plastic Low plasticity. (/ Plastic Low plasticity	
,Sandy clay "sc" Sandy clay loam	CL SC SC	A-? A-7 . A-6	Over 50% fines 50% or less fines Plastic. 36 to 50	
"scl" Sandy loam "sl"	SC CL SM SC	A-2-6 A-6 A-2-4 A-2-4	Plastic. 35% or le Plastic. Over 50% Low plasticity Plastic	
Fine sandy loam "fsl"	SM-SC SM ML ML-CL	A-2-4 A-4 A-4 A-4 A-4	Moderately plastic Nonplastic. 50% or Nonplastic. Over Moderately plastic	50% fines
V.F. sandy loam "vfsl" Loamy sands	SM-SC NL-CL ML SM	λ-4 λ-4 Α-4 Α-2-4	Moderately plastic Moderately plastic Low plasticity Nonplastic. 35% or	. 50% or less fines
"ls"; "lfs" "lvfs" Sand; fine sand	SM-SC SM SP-SM	A-2-4 A-4 A-3	Moderately plastic Low plasticity. Or 5 to 10% fines (app	. 35% or less fines ver 35% fines prox.)
"s"; "fs" V.F. sand - "vfs" Coarse sand	SM SP SM SP	A-2-4 A-3 A-2-4 A-1	Over 10% fines (app Less than 5% fines Low plasticity Less than 5% fines	prox. }
, "cs"	SP-SM SM SM	A-1 A-1 A-2-4	5 to 12% fines 13 to 25% fines Over 25% fines	
Gravel "G" 50% pass #200 50% of coarse pass #4 sieve	GP; GW GM or GC GM or GC GM	A-1 A-1 A-2 A-4	Less than 5% fines 5 to 25% fines 26 to 35% fines Over 35% fines	
GC A-6 Over 35% fines 1/ To be used as a guide for classifying soils where engineering test data are not available.				
2/ Percent clay based on soil characterization test data. Minerals, plasticity, liquid limit based on field identification tests, EFM, Chapter 4, beginning on page 4-20.				
Exhibit 4-2 REFERENCE U. S. DEPARTMENT OF AGRICULTURE TSC-NE-ENG.				
		SOIL CONSERVATION SERVICE ENGINEERING & WATERSHED PLANNUNG UNIT BROGMALL PENNSYLVANIA		401