Appendix B NRCS Soil Map Units for the Hollister Development Block Project Area

NRCS Map Unit	Major Soil Component and Surface Texture/ percent of composition	Classification	Landscape Position/ Slope	Elevation AMSL (feet)	Hazard of Erosion		Permeability	Drainage	Depth to Bedrock or Hardpan
					Water	Wind			
Ninemile-Carstump association 1659	Ninemile gravelly loam/ 50%	*Clayey, montmorillonitic, frigid, Lithic Argixerolls*	Summit of hills/ 8 to 15 percent slopes	6,000 to 6,400	Moderate	Slight	Extremely slow - moderate	Well drained	10 to 20 inches
	Carstump gravelly loam/ 35%	*Clayey skeletal montmorillonitic frigid Aridic Calcic Argixerolls*	Backslope of hills/ 8 to 30 percent slopes	5,400 to 6,300	Moderate	Moderate	Very slow - moderately slow	Well drained	**
Quarz-Alyan-Ninemile association 1720	Quarz very gravelly loam/ 35%	*Clayey-skeletal, montmorillonitic, frigid, Aridic Argixerolls*	Backslope of hills, southern aspect/ 15 to 50 percent slopes	5,500 to 6,200	Low	Very Slight	Extremely slow - moderate	Well drained	20 to 40 inches
	Alyan cobbly loam/ 35%	*Fine, montmorillonitic, frigid Aridic Argixerolls*	Backslope of hills, northern aspect/ 15 to 50 percent slopes	5,500 to 6,200	Moderate	Very slight	Extremely slow - moderate	Well drained	20 to 40 inches
	Ninemile very cobbly loam/ 25%	*Clayey, montmorillonitic, frigid, Lithic Argixerolls*	Convex upper slopes on the summit of hills/ 15 to 30 percent slopes	5,500 to 6,200	Moderate	Very Slight	Extremely slow - moderate	Well drained	10 to 20 inches

NRCS Map Unit	Major Soil Component and Surface Texture/ percent of composition	Classification	Landscape Position/ Slope	Elevation AMSL (feet)	Hazard of Erosion		Permeability	Drainage	Depth to Bedrock or Hardpan
					Water	Wind			
Bregar-Ninemile-Pequop association 1802	Bregar very gravelly loam, eroded/ 40%	*Loamy-skeletal, mixed, frigid, Lithic Xerollic Haplargids*	Southern aspect of hill summits/ 4 to 15 percent slopes	5,300 to 5,800	Low	Very slight	Extremely slow - moderate	Well drained	5 to 12 inches
	Ninemile gravelly loam/ 30%	*Clayey, montmorillonitic, frigid, Lithic Argixerolls*	Northern aspect of convex toe slope of hills/ 4 to 15 percent slopes	5,300 to 5,800	Moderate	Very Slight	Extremely slow - moderate	Well drained	10 to 20 inches
	Pequop gravelly loam/ 15%	*Loamy-skeletal, mixed, frigid, Typic Argixerolls*	Northern aspect of concave toe slope of hills/ 15 to 30 percent slopes	5,300 to 5,800	Low	Moderate	Extremely slow - moderate	Well drained	50 to 80 inches
Vanwyper-Rock outcrop-Trunk association 1833	Vanwyper very cobbly loam/ 35%	*Clayey-skeletal, montmorillonitic, mesic Xerollic Haplargids*	Backslope of hills on southern aspect/ 30 to 50 percent slopes	5,200 to 6,400	Low	Very Slight	Very slow - moderate	Well drained	20 to 40 inches
	Rock outcrop/ 30%	--	--	5,200 to 6,400	--	--	--	Excessively drained	--
	Trunk cobbly loam/20%	*Fine, montmorillonitic, mesic Xerollic Haplargids*	Summit of hills/ 4 to 15 percent slope	5,200 to 6,400	Moderate	Moderate	Very slow	Well drained	20 to 40 inches

NRCS Map Unit	Major Soil Component and Surface Texture/ percent of composition	Classification	Landscape Position/ Slope	Elevation AMSL (feet)	Hazard of Erosion		Permeability	Drainage	Depth to Bedrock or Hardpan
					Water	Wind			
Skull Creek-Shabliss-Puett association 1210	Skull Creek very fine sandy loam/ 45%	*Coarse-loamy, mixed, mesic Xerollic Durorthids*	Fan remnants, summit 2 to 8 percent slopes	4,500 to 6,000	Moderate	Very High	Slow	Well drained	20 to 40 inches to duripan
	Shabliss very fine sandy loam/ 25%	*Loamy, mixed, mesic, shallow Haploxerollic Durothorids*	Fan remnants, concave backslopes, 2 to 8 percent slopes	4,500 to 6,000	Moderate	Very High	Slow - Rapid	Well drained	10 to 20 inches to strongly cemented duripan; more than 60 inches to bedrock
	Puett sandy loam/ 15%	*Loamy, mixed (calcareous), mesic, shallow Xeric Torriorthents*	Pediments, backslopes with southern aspects, 8 to 30 percent slopes	4,500 to 6,000	Moderate	Very High	Moderately rapid	Well drained	10 to 20 inches

Sources: NRCS, 1997; BLM, 1999