EPA Region 5 Records Ctr.
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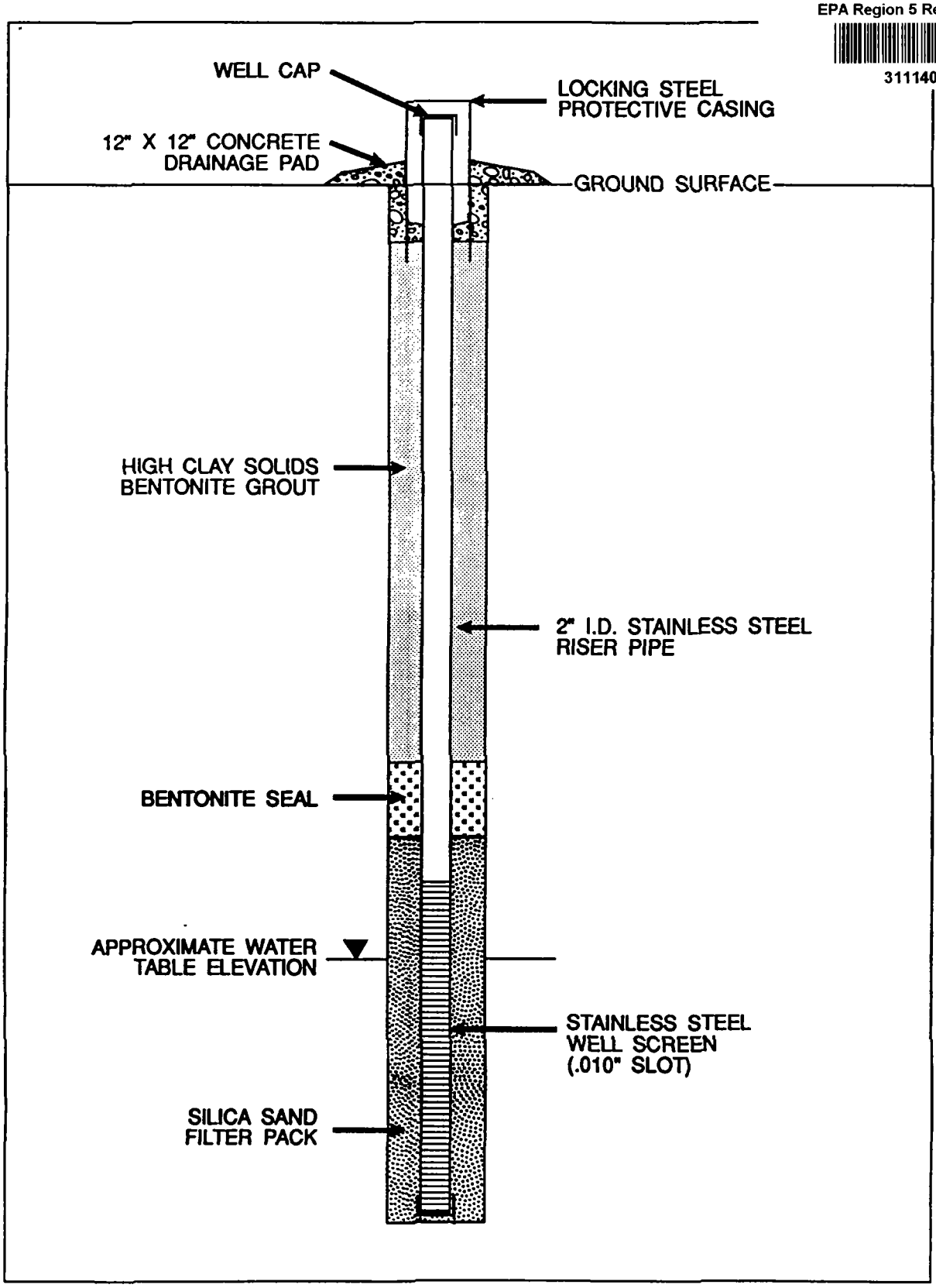

FIGURE 6 TYPICAL MONITORING WELL CONSTRUCTION

SYSTEM	SERIES	GROUP OR FORMATION	GEOHYDROLOGIC UNITS		LOG	THICKNESS (FT)	DESCRIPTION
QUATERNARY	PLEISTOCENE		Glacial drift aquifers			0-200±	Unconsolidated glacial deposits-pebbly clay (till), silt, sand and gravel Alluvial silts and sands along streams
DEVONIAN						Fissure Fillings	Shale, sandy, brown to black Dolomite, very pure to highly argillaceous, silty, cherty; reefs in upper part
SILURIAN	NIAGARAN	Racine Waukesha Joliet	Niagaran aquifer	Silurian dol. aquifer		0-170	Dolomite, shaly, and shale, dolomitic; maroon, green, pink
	ALEXANDRIAN	Kankakee Edgewood	Alexandrian aquifer			0-90	Dolomite, glauc.; thin grn. shale partings Dolomite, argillaceous, silty and/or sandy, cherty
ORDOVICIAN	CINCINNATIAN	Neda	Confining beds of the Maquoketa Formation			0-20	Shale, red; oolites
		Maquoketa				85-230	Shale, silty, dolomitic, greenish gray, weak (Upper unit) Dolomite and limestone, white, light gray, interbedded shale (Middle unit) Shale, dolomitic, brown, gray (Lower unit)
	MOHAWKIAN	Galena Decorah Platteville	Galena-Platteville	Cambrian-Ordovician aquifer		300-350	Dolomite, and/or limestone, cherty Dolomite, shale partings, speckled Dolomite and/or limestone, cherty, sandy at base
		Glenwood	Glenwood-St. Peter			200-375	Sandstone, fine and coarse grained; little dolomite; shale at top Sandstone, fine to medium grained; locally cherty red shale at base
	CHAZYAN	St. Peter					
	PRAIRIE DU CHIEN	Shakopee New Richmond Oneota	Prairie du Chien			0-200	Dolomite, sandy, cherty (oolitic); sandstone Sandstone interbedded with dolomite Dolomite, white to pink, coarse grained cherty (oolitic), sandy at base
CAMBRIAN	CROIXAN	Trempealeau	Trempealeau			80-190	Dolomite, white, fine grained; geodic quartz; sandy at base
		Franconia	Franconia			70-100	Dolomite, sandstone and shale, glauconitic, green to red, micaceous
		Ironton	Ironton-Galesville			175-200	Sandstone, fine to coarse grained, well sorted; upper part dolomitic
		Galesville					
		Eau Claire	Confining beds of the Eau Claire Formation (upper and middle beds)			300-400	Shale and siltstone, dolomitic, glauconitic; sandstone, dolomitic, glauconitic
		Mt. Simon	Eau Claire (lower beds) and Mt. Simon Formations	Mt. Simon aquifer		2,000±	Sandstone, coarse grained, white, red in lower half; lenses of shale and siltstone, red, micaceous
							Precambrian

SOURCE: Zeizel, et al. 1962

FIGURE 2-7 AREA STRATIGRAPHY