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Criteria – Workplan Approval Letter	References:
Use sufficient sampling density, resolution and scale to provide reliable information.	 USEPA Technical Guidance Manual For Hydrogeologic Investigations and Groundwat Monitoring, Feb. 1995 USEPA Representative Sampli Guidance – Contour Mapping Dec. 1995 Estimation of aquifer scale proportion using equal area girds: Assessment of regional scale groundwater quality – USGS; Water Resources Research, Vol. 46, 2010.
Use sampling design that is statistically defensible given the spatial variability of the aquifer.	
Characterize groundwater nitrate concentrations at specific depths, focus on shallow groundwater.	
Confidence level or certainty must be sufficient for providing reliable information to the public.	
Consider additional data to increase confidence and validate adequacy of contours.	
Use appropriate contour intervals to represent actual conditions, especially relative to the drinking water standard.	
Include information such as method used to contour, depth, level of confidence, areas of uncertainty, and data exclusion on the map.	
Developed by registered professional.	























