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Dean Specialty Foods
Wayland, MI

Project:	Dean Specialty Foods
Location:	Wayland, MI
Owner:	Dean Foods
Contract Type:	Firm Fixed Price
Contact:	Ron Visser, Dan Vos Construction

Background

Dean Specialty Foods plant in Wayland, MI produces powder used for non-dairy creamers, as well as other ingredients used for nutritional beverages and instant breakfast drinks.

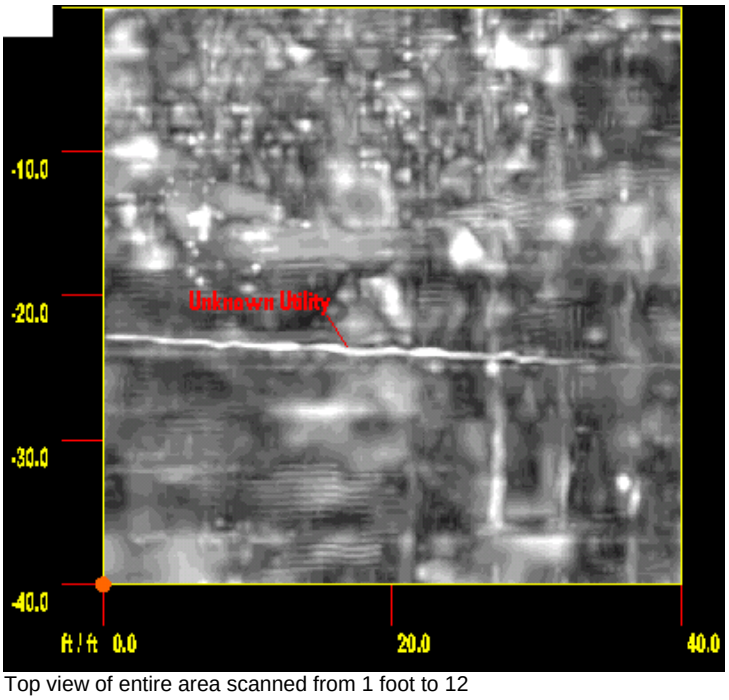
Scope

Dean Foods hired Dan Vos Construction to manage the project of adding new machinery in their existing plant. This addition required cutting up the existing concrete floor and digging as deep as 18 feet deep to anchor the new machinery. Dean Foods did not have current as built prints for this section of the plant. There was knowledge of an existing storm sewer pipe somewhere in the vicinity and that was the only information available.

Dan Vos Construction called upon Diamond, Inc. to provide a radar survey and verify the location of the storm sewer and any other unknown existing utilities. The storm sewer was located along with an unidentified utility positioned in the middle of the work area. By determining location and depth of the utilities, Dan Vos could determine what was in the work area and how much additional time and energy would be necessary to relocating or work around existing utilities. Dan Vos could also easily identify the utilities by hand digging the area mapped on site avoiding the expense of damaging unknown utilities and more importantly the risk of endangering individuals' involved in the excavation.

Technology and Manpower

Radar surveys were performed by Diamond, Inc. using technology engineered and manufactured by Geophysical Survey Systems Inc. The SIR 20 system with onsite 3D capabilities with Radan software technology was used by one Diamond, Inc. technician. The 400 mHz antenna along with the patented Radan 5.0 3-D technology was used to scan the area in question. A 40' x 40' 3-D scan was performed and the report requested by Dan Vos Construction was delivered promptly.



Top view of entire area scanned from 1 foot to 12 feet in depth.