

SPECIFICATIONS FOR PROPOSED WELL
AT
MANCHESTER, IOWA
February 26, 1963

SECTION 1-1 - GENERAL

Sec. 1-1.1 - Scope of Work

The work to be done hereunder includes the furnishing of all labor, material, transportation, tools, supplies, plant, equipment and appurtenances, unless herein-after specifically excepted, necessary for the complete and satisfactory construction, disinfection and testing of the proposed water supply well described under Sec. 1-1.7.

Sec. 1-1.2 - Permits, Certificates, Laws and Ordinances

The contractor shall, at his own expense, procure all permits, certificates and licenses required of him by law for the execution of his work. He shall comply with all federal, state or local laws, ordinances or rules and regulations relating to the performance of the work.

Sec. 1-1.3 - Location

The well to be constructed hereunder is to be located in Denton Park on 7th Street and West Main, Manchester, Iowa and at same location of test well as was constructed by Thorpe Well Company in February, 1963.

Sec. 1-1.4 Local Conditions

FORMATION LOG

TEST WELL FOR THE CITY OF MANCHESTER
as constructed by Thorpe Well Company
Des Moines, Iowa

Test Well: Started Jan. 26, 1963
 Completed Feb. 14, 1963

Total Depth 309'

Formation Log	From	To	Total
Yellow clay w/sand streaks	0	8'	8'
Gray Clay	8'	27'	19'
Sand & Gravel w/clay streaks	27'	35'	8'
Gray clay w/sand	35'	135'	100'
Lime (Hard)	135'	165'	30'
Lime w/soft streaks	165'	223'	58'
Gray Lime	223'	309'	86'
Shale	309'		

Static Water Level 48'

This information regarding sub-surface conditions is intended to assist the contractor in preparing his bid. However, the owner does not guarantee its accuracy, nor that it is necessarily indicative of conditions to be encountered in sinking the well to be constructed hereunder, and the contractor shall satisfy himself regarding all local conditions affect-