PLATE 2

WATER WORKS IMPROVEMENTS
SECTION III
FOREST CITY, IOWA
1972

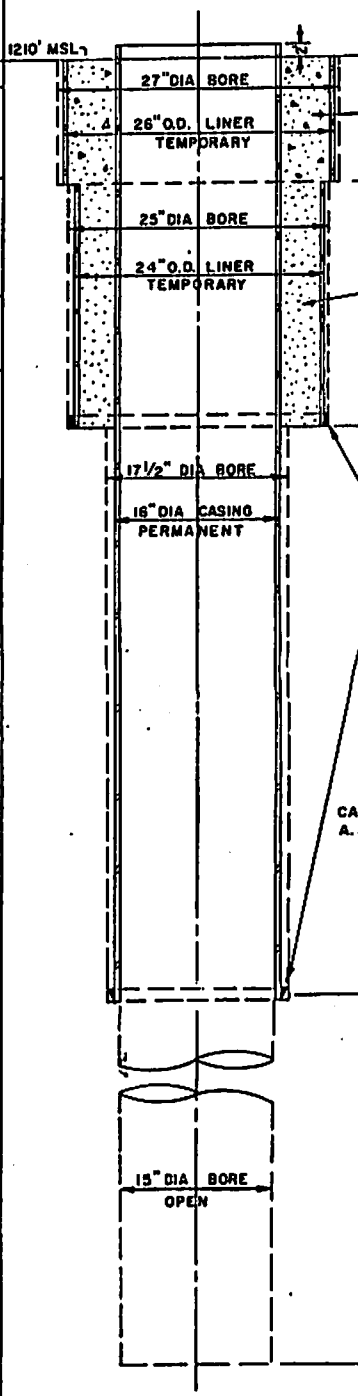
HOWARD R. GREEN CO.
Consulting Engineers
CEDAR RAPIDS, IOWA

MUNICIPAL WELL NO. 3

GEOLOGICAL FORECAST

SYSTEM	FORMATION	DESCRIPTION	THICKNESS FEET	FROM FEET	TO FEET
PLEISTOCENE	GLACIAL DRIFT	SAND & ROCK FILL	4	0	4
		BLACK DIRT	15	4	19
		GRAVEL AND CLAY SANDY	19	19	38
		SAND AND GRAVEL CEMENTED	12	38	50
		BLUE CLAY WITH SAND AND GRAVEL	27	50	77
		SAND	2	77	79
		CLAY	5	79	84
		SAND	1	84	85
		BLUE CLAY & SAND	5	85	90
DEVONIAN	CEDAR VALLEY	SOFT LIMESTONE	5	90	95
		LIMESTONE	10	95	105
		L.S. WITH SHALE	3	105	108
		BROKEN LIMESTONE	18	108	126
		NO SAMPLE	2	126	128
		LIMESTONE HARD AND SOFT	24	128	152
		L.S. BROKEN	3	152	155
		L.S. HARD	5	155	160
		L.S. HARD	143	160	303

CONSTRUCTION LOG



TOTAL DEPTH-FEET	LENGTH SECTION-FEET	DIAMETER OF BORE-INCHES	CASING O.D. INCHES	CASING I.D. INCHES	TYPE CASING	WALL THICKNESS
20	20	27	26	25	ST	0.50
60	40	26	24	23	ST	0.50
153	155	17½	16	15	ST	0.50
303	T.D.					

NOTE:
THE GEOLOGICAL FORECAST AND CONSTRUCTION LOGS ARE BASED UPON INFORMATION ON THE WINNEBAGO IND. INC. PLANT WELL DRILLED BY THORPE WELL CO. IN 1965 - TESTED AT 1500 GPM WITH A DRAWDOWN OF 20FT. FROM A STATIC WATER LEVEL OF 7FT.

SCALE:
HORIZ 1" = 1'-0"
VERT 1" = 20'

AS BUILT 11/73
LAYNE WESTERN CO