

SCALE: 1"=20'

**NOTES**

1. ALL UNDERGROUND PIPING TO BE DUCTILE IRON PIPE UNLESS SPECIFIED OTHERWISE ON PLANS
2. ALL PROPOSED WORK IS SHOWN WITH BOLD LINES
3. LOCATION OF ALL EXISTING PIPING IS LOCATED FROM PREVIOUS PLANS & THERE LOCATION IS APPROXIMATE ONLY. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES BEFORE STARTING WORK. ANY DAMAGES RESULTING FROM CONTRACTORS FAILURE TO LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. ALL WATER LINES TO BE 7'-0" MINIMUM DEPTH.

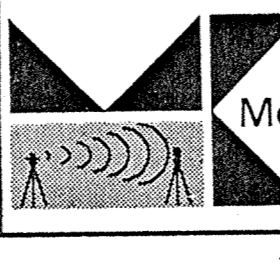
**LEGEND**

- EXISTING MANHOLE
- ⊙ PROPOSED MANHOLE
- SLUDGE LINE
- SEWAGE LINE
- SEWAGE GAS
- CHLORINE LINE
- WATER LINE
- - - LINE ABANDONED IN PLACE
- PROPOSED LINE
- ⊕ EXISTING GATE VALVE
- ⊕ PROPOSED GATE VALVE
- ⊕ PROPOSED 1/2" YARD HYDRANT
- PROPOSED PLUG VALVE

NO.	DATE	BY	REVISIONS
C	2-23-77	J.R.C.	MISC. REVISIONS
B	9-23-76	J.R.C.	ADDED UNDERDRAINS TO SAND BEDS
A	7-6-76	J.R.C.	MISC. REVISIONS

DESIGNED <b>K.L.V.</b>	CHECKED <b>K.L.V.</b>
DRAWN <b>J.R.C.</b>	APPROVED <b>W.H.M.</b>
DATE <b>8/26/75</b>	COMM.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  
*Karen E. Van Racker*  
 DATE Aug 29, 1975 REG. NO. 12159


**McCOMBS-KNUTSON ASSOCIATES, INC.**  
 CONSULTING ENGINEERS ■ LAND SURVEYORS ■ SITE PLANNERS  
 MINNEAPOLIS, HUTCHINSON AND MARSHALL, MINNESOTA

**WASTE WATER TREATMENT FACILITIES**  
 FOR  
**ELK RIVER, MINNESOTA**

SCALE AS NOTED	SHEET 4	REV. C
BOOK PAGE	OF 31	
FILE NO. 2603		

**SITE PIPING PLAN**