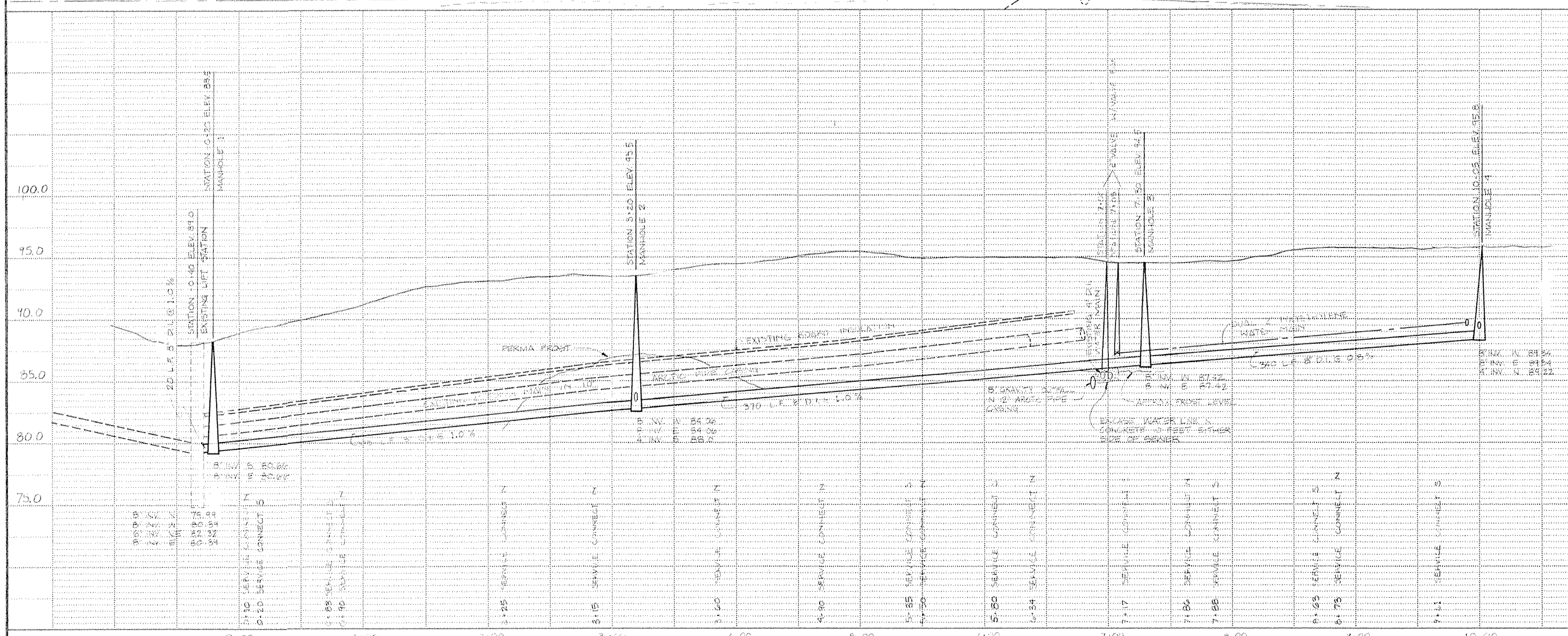
1979



GENERAL NOTES

1. ALL PIPING, MANHOLES AND APPURTENANCES TO BE SPRAYED WITH MINIMUM OF 2" URETHANE IN THE FIELD.
2. MAINTAIN 10' SEPERATION BETWEEN WATER AND SEWER MAIN. WATER MAIN TO BE PLACED ABOVE SEWER LINE.
3. PLUG ALL SERVICE CONNECTS TIGHTLY AND MARK WITH A 2"x4"
4. PROVIDE CLASS C BEDDING TO SPRING LINE OF PIPE
5. ALL 4" SERVICE CONNECTS TO BE TY-SEAL C.I. PIPE OR NO-HUB C.I. CONNECTION TO MAIN SHALL BE WITH AN APPROVED SADDLE.
6. SEWER MAINS TO BE CLASS 50 SERVICE CONNECTS TO BE CLASS 52
7. WATER LINE IS A SERVICE CONNECT AND PIPE SHALL BE APPROVED BY THE NATIONAL SANITATION FOUNDATION. CHLORINATE & PRESSURE TEST PRIOR TO PUTTING INTO SERVICE.
8. PROVIDE PROPER PIPE BEDDING MATERIAL CLASS C MINIMUM.
9. COMPACT BACKFILL TO 90% DENSITY IN .5 FOOT LIFTS MAXIMUM.

NOTE: PROPERTY LINES SHOWN ARE ONLY APPROXIMATION. NO ACTUAL SURVEY MARKERS FOUND IN THIS AREA.

Arctic Environmental Engineers
Anchorage, Alaska

PROJECT NO. 78-49 TWS
DESIGNED : W.V.H
DRAWN : B.D.L.
CHECKED : S.E.C.
DATE : AUG 3, 1979
SCALE : 1"=50'-0" - HOR; 1"=5'-0" - VERT

REV.	DATE	REVISION DESCRIPTION	BY
1	11-13-79	AS BUILT [illegible]	SZ
2	11-14-79	[illegible]	SZ

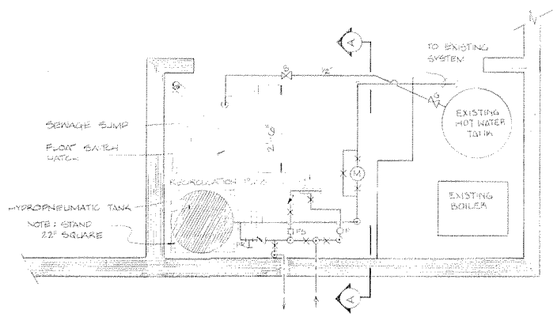
STATE OF ALASKA — 49TH — Willem Van Hemert — No. CE 4503 — REGISTERED PROFESSIONAL ENGINEER

CITY OF TANANA
WATER & SEWER EXTENSION
CITY BUILDING - FIRE STATION

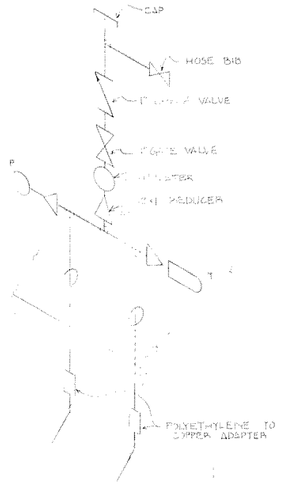
S-1

SHEET 1 OF 3

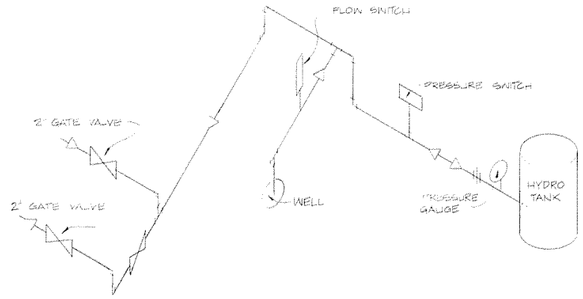
N48976



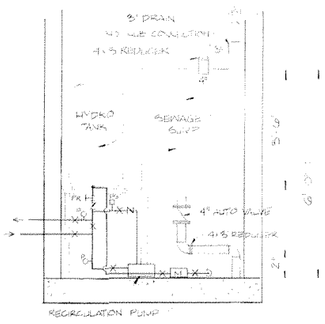
PLAN



CITY BUILDING WATER SYSTEM
NTS

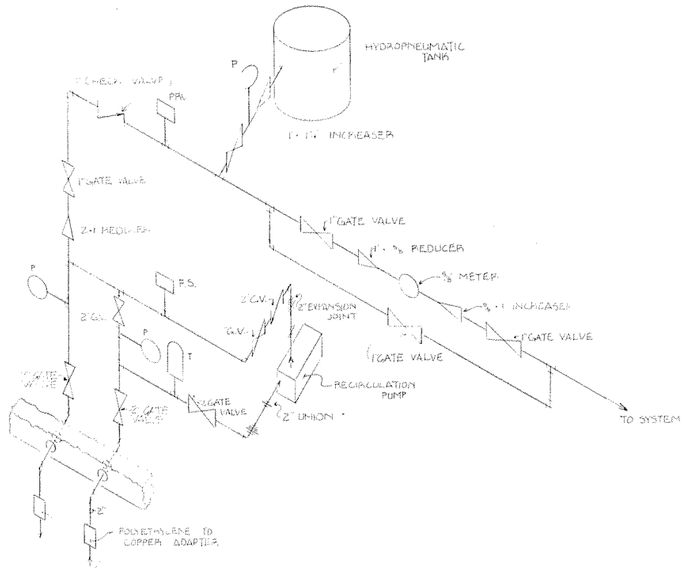


EXISTING WELL & SEWAGE WATER SYSTEM
NTS



SECTION A-A

FIRE STATION PLUMBING IMPROVEMENTS
SCALE



FIRE STATION WATER SYSTEM
NTS

LEGEND

- T — THERMOMETER
- P — PRESSURE GUAGE
- F.S. — FLOW SWITCH
- PRV — PRESSURE REDUCING VALVE
- G — GLOBE VALVE
- S — SOLENOID VALVE

NO.	REVISION	DATE	BY
3	DELETION OF HEAT TRACE DETAIL	11-14-79	SZ
2	AS BUILT ON CITY BUILDING WATER SYSTEM	11-14-79	SZ
1	AS BUILT ON FIRE STATION PLUMBING	11-14-79	SZ

Arctic Environmental Engineers
Anchorage, Alaska

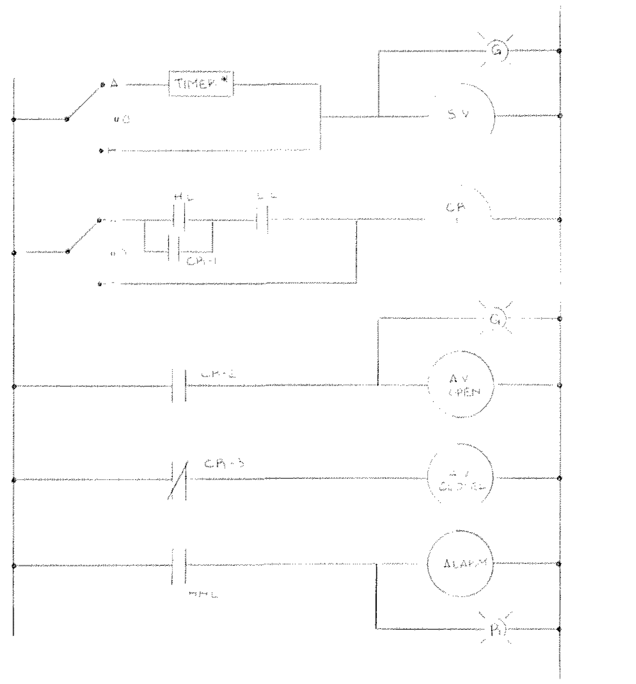
PROJECT NO. 79-010-TWS
DESIGNED : W.V.M.
DRAWN : B.D.L.
CHECKED : S.E.C.
DATE : AUG 4 1979
SCALE : AS SHOWN

STATE OF ALASKA — REGISTERED PROFESSIONAL ENGINEER

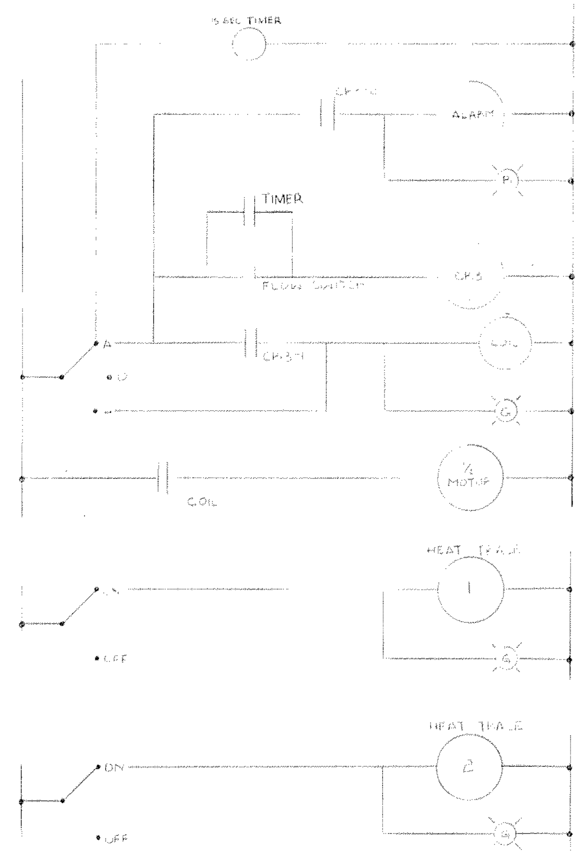
CITY OF TANANA
WATER & SEWER EXTENSION
CITY BUILDING - FIRE STATION

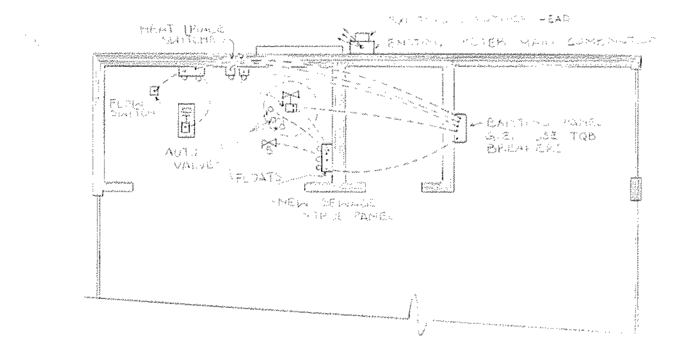
S-2

SHEET 2 OF 3



* 2 HR TIME INCREMENTS





ELECTRICAL DIAGRAM

[illegible]

	NO. BREAKERS	SIZE	VOLTS	WIRE SIZE
[illegible]	1	20/2	220/110	12
[illegible]	1	[illegible]	120	12
AUTOMATIC VALVE	1	15/1	120	12

OPERATION

Ⓐ SOLENOID VALVE - SOLENOID VALVE IS ACTUATED BY A 24HR TIMER AND FEEDS HOT WATER INTO THE SEWAGE TANK. FLOW RATE IS CONTROLLED BY A GLOBE VALVE.

Ⓑ AUTOMATIC VALVE - WHEN THE TANK FILLS TO THE HIGH LEVEL FLOAT, CR1 IS ACTIVATED CAUSING THE VALVE TO OPEN. WHEN THE LOW LEVEL IS REACHED, CR1 IS DE-ENERGISED AND THE VALVE IS CLOSED THROUGH A NORMALLY CLOSED CONTACT.

Ⓒ IF THE HIGH LEVEL FLOAT IS REACHED AN ALARM IS ACTIVATED.

SEWAGE SYSTEM CONTROLS

OPERATION:

Ⓐ RECIRCULATION PUMP - IN AUTOMATIC PUMP IS PROTECTED WITH A FLOW SWITCH. WHEN PUMP IS TURNED ON, A 15 SECOND TIMER ALLOWS FLOW TO BEGIN. ON HAND THE FLOW SWITCH IS BY-PASSED, PUMP RUNS CONTINIOUSLY

Ⓑ HEAT TRACE - OPERATED BY ON-OFF SWITCH AND PLUG IN.

WATER SYSTEM CONTROLS

NO.	REVISION	DATE	BY
1	DELETION OF HEAT TAPE IN ELECT. SUPPLY LIST	11-14-79	SZ

Arctic Environmental Engineers
Anchorage, Alaska

PROJECT NO. 79 010 - TWS
DESIGNED : WVM
DRAWN : SBL
CHECKED : SBL
DATE : AUG 4 1979
SCALE : AS SHOWN

CITY OF TANANA
WATER & SEWER EXTENSION
CITY BUILDING - FIRE STATION

S-3

SHEET 3 OF 3