

## **INSTRUCTION FOR CUSTOMERS REQUESTING SEWAGE PUMPING STATIONS**

Property owners whose homes have a pressurized sewer line (force main) on their frontage or have elevation limitations preventing a gravity sewer connection may request to tie-in to existing county owned sewer lines with the use of a grinder pump station. Property owners must pay a tap-in fee to the Miami County Sanitary Engineering Department (MCSED). The tap-in fee permits the owner to tie into the force main and also includes the provision of a pumping station and controls (ordered by MCSED). The property owner then must then secure their own contractor to install the station at a predetermined location according to MCSED specifications. Six weeks lead in time from the time tap-in fees are paid is required, to allow for the pump station order to be processed with the manufacturer.

### **INFORMATION THE PROPERTY OWNER WILL NEED TO KNOW AND/OR PROVIDE TO MCSED AT THE TIME OF TAP-IN FEE PAYMENT**

1. Electrical requirements necessary to power up the station are:
  - single pump units 30 amp circuit
  - duplex pump units 50 amp circuitProperty owners will need to have a dedicated circuit available meeting the above amperage to power the pumping station.
2. Pump stations are sized according to the flow requirements of the property owners; this will determine whether a single or duplex station is necessary. Property owners will be expected to have a general idea of their water usage so proper sizing by MCSED can be determined.
3. The location of their existing septic tank and leaching field piping. MCSED will need this information for locating the pumping station.
4. The name of the excavator, licensed plumber and licensed electrician who will be performing the installation work and their telephone numbers. It is the property owner's responsibility to apply and pay for any permit fees to other agencies.

### **PROPERTY OWNERS RESPONSIBILITY**

- 1 All tap-in fees.
- 2 All installation costs and permit fees.
- 3 Payment of all monthly electric service bills
- 4 To provide security and physical protection to the pump stations.
- 5 To notify MCSED in event of an alarm on the pump stations
- 6 To discharge to the pump station only normal domestic sewage and not discharge debris or objects which could cause the pump station to fail
- 7 To agree to pay all service call and labor costs associated with pump station failures caused by the customer as determined by MCSED. A user guide will be given to all pumping station users explaining what should and should not go into the station.
- 8 To agree to pay all repair and labor costs for any customer caused pump station repairs performed by MCSED or others at the direction of MCSED.

- 9 To grant MCSED a permanent access easement to the pump station for operational and maintenance activities To keep the area around the pump station open, so that maintenance personnel can have an area to work in.

### **MCSED RESPONSIBILITY**

- 1 To provide on-call repair service as necessary to keep the pump station in service
- 2 To provide in stock replacement parts and spare units to assure continual service.

### **OWNERSHIP**

Inspected and approved pumping stations become the property of MCSED. Property owners agree to allow access to the pumping station located on their property to MCSED employees or their designees. Property owners must provide unobstructed access at all times to the pumping station and controls.

Ownership of the physical structure of the pumping station by the county does not eliminate the property owner from the responsibility of:

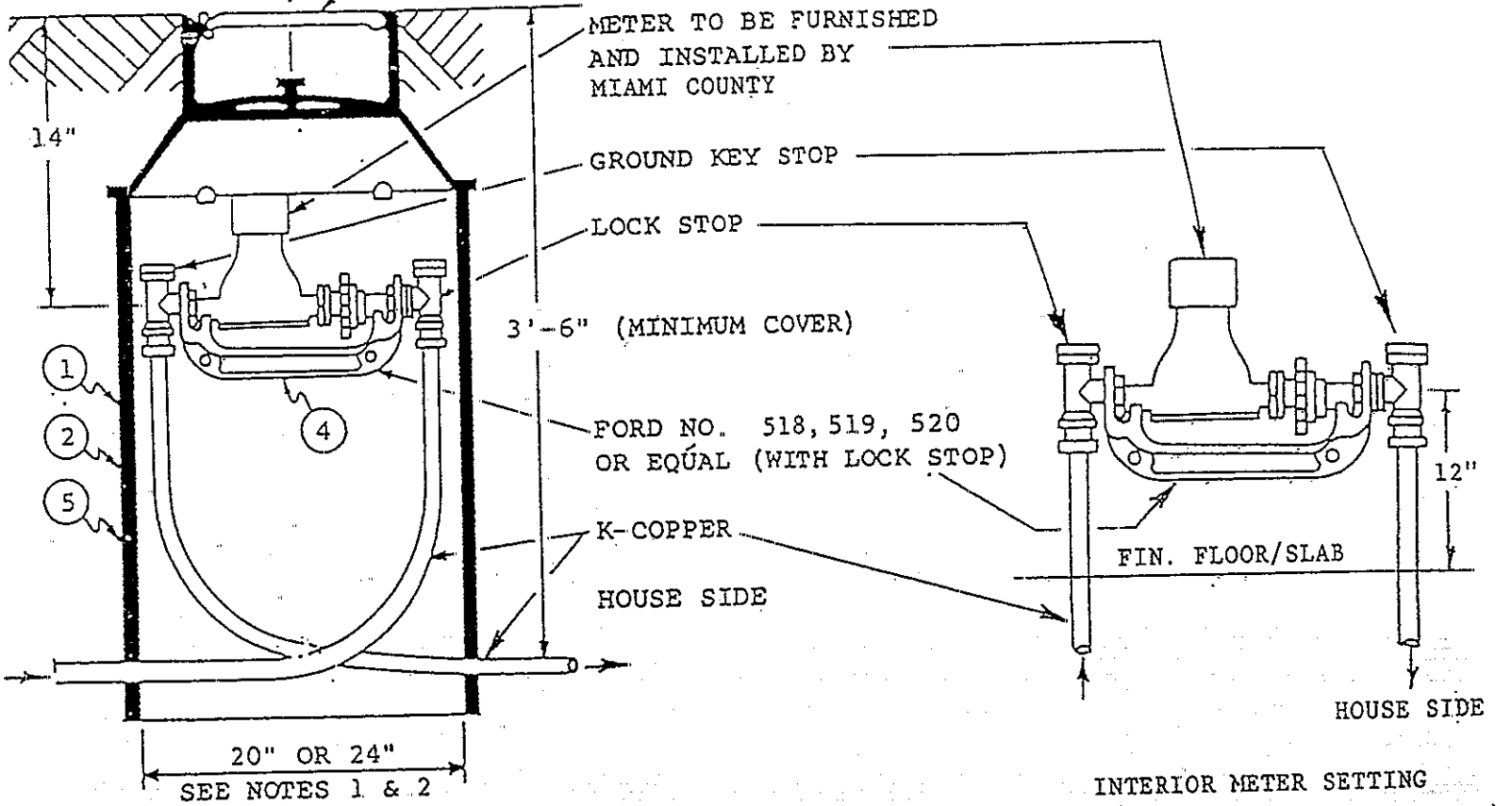
1. Paying for all associated customer caused repairs made by MCSED to the pumping station
2. Maintaining power to the pumping station
3. Paying all utility bills associated with the operation of the pumping station

# STANDARD INSTALLATION FOR WATER METER

MIAMI COUNTY  
SANITARY ENGINEER

5/8" X 3/4", 3/4", 1"

1 1/2" DOUBLE LID (FORD NO. W3)



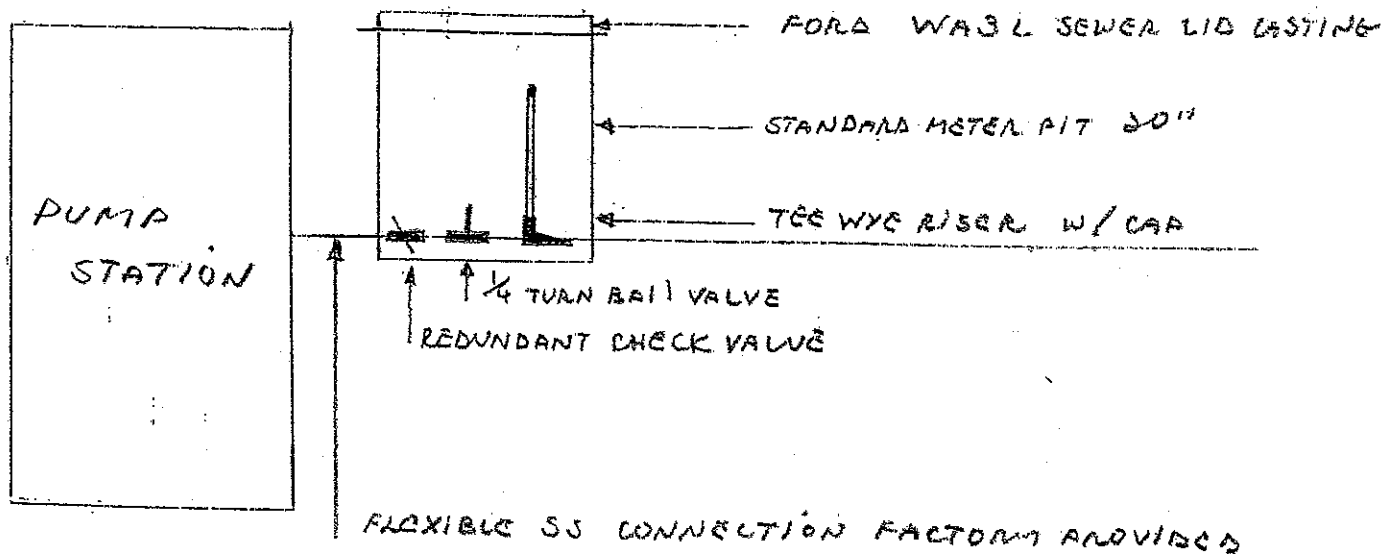
EXTERIOR PIT METER  
(ONLY BY DIRECTION OR APPROVAL  
OF SANITARY ENGINEER)

INTERIOR METER SETTING  
(STANDARD PLAT RESIDENTIAL)  
(REMOTE WIRE INSTALLATION  
REQUIRED)

1. (20") I.D. TILE FOR FORD NO. W3 LID OR EQUAL (5/8" & 3/4" METERS)
2. (24") I.D. TILE FOR FORD NO. W3 LID AND NO. 2 EXTENSION RING OR EQUAL (1" METER)
3. SERVICE LINE RUNS SHALL BE CONTINUOUS AND WITHOUT JOINTS OR COUPLINGS BETWEEN THE CORP. STOP, CURB BOX AND THE METER
4. FORD YOKE OR EQUAL WITH LOCK STOP ON STREET SIDE PIPE AND GROUND KEY STOP ON HOUSE SIDE PIPE, AND EXPANSION CONNECTOR
5. TILE (VITRIFIED, PLASTIC, FIBER, CONCRETE OR OTHER) MUST BE APPROVED PRIOR TO INSTALLATION

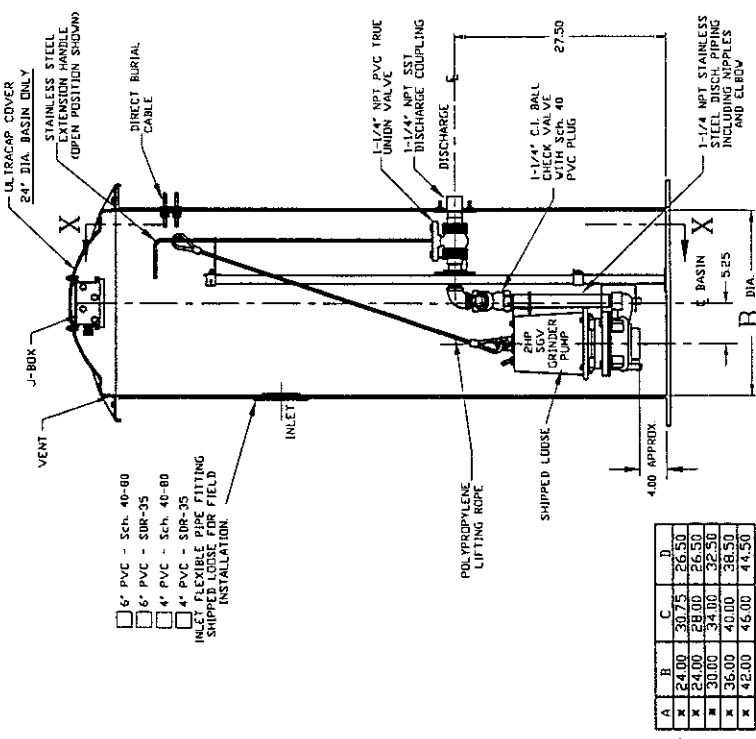
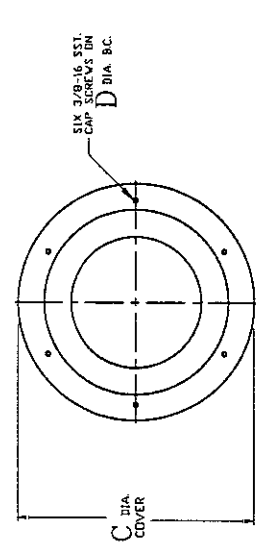
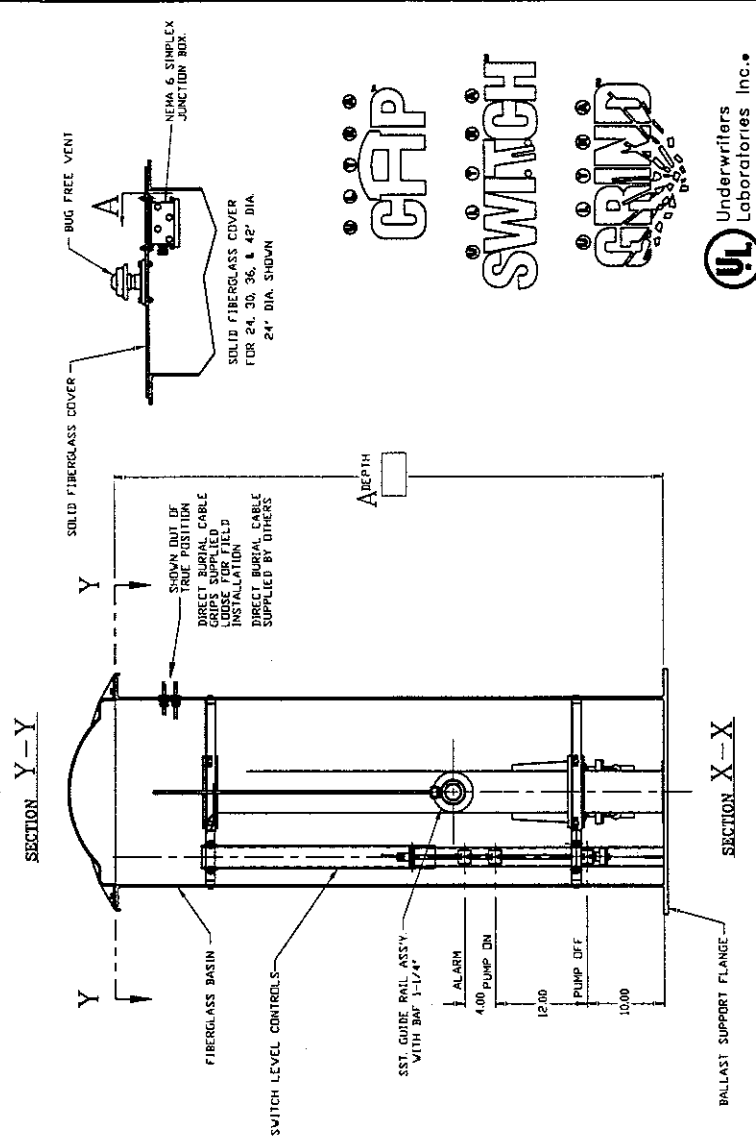
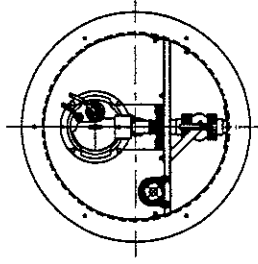
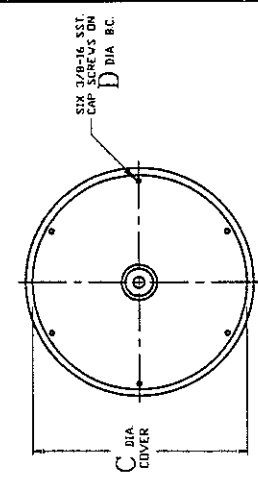
FORD CATALOG YOKE NUMBER	SERVICE PIPE SIZE	METER	SPREAD	TILE SIZE
518 (502 BAR)	3/4"	5/8" X 3/4"	12-1/4"	20" DIA.
519 (503 BAR)	3/4" OR 1"	3/4"	13-7/8"	20" DIA.
520 (504 BAR)	1" OR 1-1/2"	1"	16-5/8"	24" DIA.

6/6/90



- CONNECTION SIZES AT PUMP STATION
  - EFFLUENT - 1 1/4" NPT FEMALE SCHEDULE 40 PVC PROVIDED BY FACTORY.
  - INFLUENT - 4" SDR 35 STANDARD PROVIDED BY FACTORY IF ALTERNATE SIZE OR MATERIAL IS NOT DESIGNATED.
- PIPE MATERIAL
  - 1 1/4" SCHEDULE 40 PVC MINIMUM.
- SHUTOFF VALVE
  - 1/4 TURN BALL TYPE, 1 1/4" MINIMUM DIAMETER, PVC GLUE TYPE.
- INLINE CLEANOUT
  - 1 1/4" PVC TEE WYE
  - 1 1/4" PVC SCHEDULE 40 RISER WITH GLUED FEMALE THREADED COUPLING WITH THREADED CAP INSTALLED.
  - STANDARD 20" METER PIT W/ FORD LID CASTING WA3L MARKED SEWER.
- CONNECTION AT SERVICE TAP TO GRAVITY PUBLIC SEWER SYSTEM
  - 1 1/2" PVC (MINIMUM SIZE) PIPE TO 1 1/4" TAPPING SADDLE.
- CONNECTION AT SERVICE TAP TO FORCEMAIN PUBLIC SEWER SYSTEM
  - 1 1/2" PVC (MINIMUM SIZE) PIPE TO GLUED PVC NPT MALE ADAPTER TO STANDARD 1 1/4" CURBSTOP W/ RISER BOX MARKED SEWER.

REV.	DESCRIPTION	DATE	APPROVED
A	RELEASE	12-18-97	



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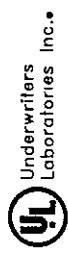
A	B	C	D
24.00	30.75	26.50	
24.00	28.00	26.50	
30.00	34.00	32.50	
36.00	40.00	38.50	
42.00	46.00	44.50	

24\"/>

BASIN DEPTHS IN 6 INCH INCREMENTS UP TO 56 INCHES. WHEN IN 12 INCH INCREMENTS. CONSULT FACTORY FOR OTHER DEPTHS.

ULTRACAP COVER IS ONLY AVAILABLE FOR 24\"/>

**CRAP**  
**SWITCH**  
**GRIND**



<b>CRANE</b> PAPER & PLOTTER	
2 HP SCV ULTRAGRIND SHIPLEX PACKAGE WITH ULTRA SWITCH	
SCALE: 1/4\"/>	
101718	