SELF-DRAINING STANDPIPE

The Terminal City two-inch self-draining stand pipe is a factory assembled unit specifically designed and constructed to take the place of "in-field" component assembled units.

The self-draining stand pipe can be supplied with 2 1/2" B.C. Std hose outlet.

MATERIALS

The unit is manufactured with bronze operating and draining components. The valve seating surface, main body, operating thread and spindle are manufactured with A.S.T.M. B-62 bronze.
The stuffing box and draining mechanism have "0" ring rubber gaskets for sealing purposes.
Polyurethane anti-score seating material is used for the valve disc facing.

ACCESSIBILITY

All moving parts subject to wear are readily accessible from above ground by the removal of the top body casting.

DRAINING MECHANISM

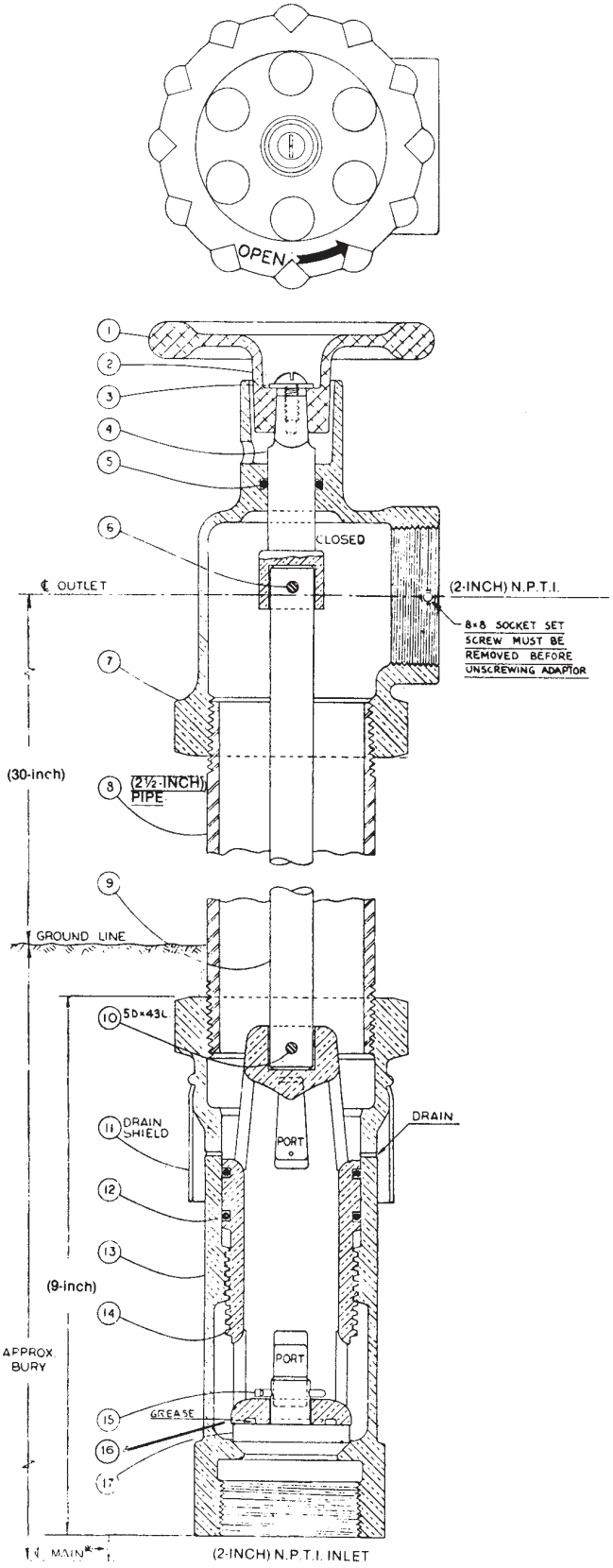
When the stand pipe is not in use the drain ports remain open, thereby providing a dry barrel for frost conditions. During the first turn of the operating rod water is expelled through the drain ports as well as rising in the barrel of the stand pipe. This allows the drain ports to be flushed and removes any foreign material which may become lodged in the mechanism. During the remaining opening turns the drain mechanism is closed.

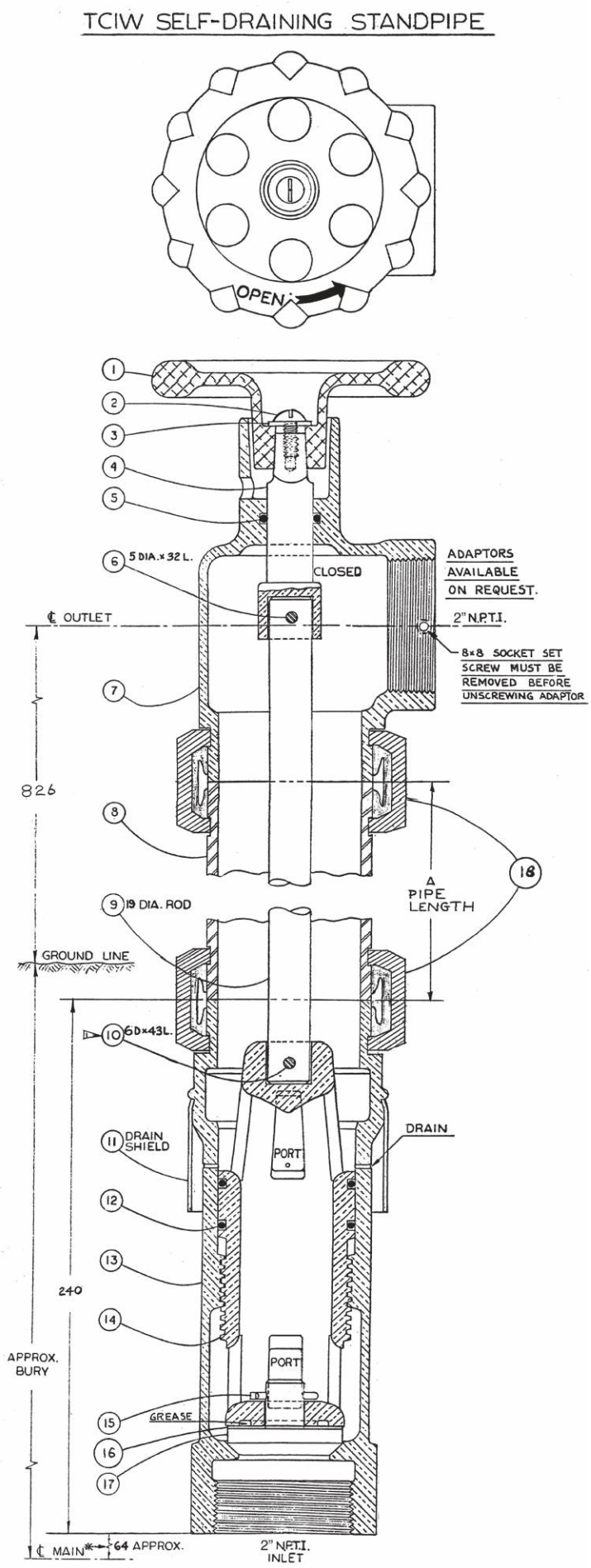
After closing it is recommended that the stand pipe be allowed to drain before replacing the port cap on the outlet.

PARTS LIST		
Part No.	NAME	Material
1	Handwheel	Aluminum
2	Handwheel Bolt	Brass
3	Washer	Brass
4	Handwheel Stem	Cast Bronze
5	Top End "0" Ring	Houghton — 211
6	Handwheel Stem Pin	St'l's Steel
7	Top End	Cast Iron
8	Pipe	Steel
9	Operating Rod	Steel
10	Gate Pin	Stainless Steel
11	Drain Shield	Plastic
12	Screwed Gate "0" Ring	Houghton — 227
13	Bottom End	Cast Bronze
14	Screwed Gate	Cast Bronze
15	Cotter Pin	Brass
16	Valve Discwasher	Steel
17	Valve Disc	Urethane

MATERIAL SPECIFICATIONS
Cast Iron (C.I.) to ASTM A-126-B
Mild Steel (M. St.) to SAE 1020
Bronze (Br'z) to ASTM B-62
Urethane, Durometer 60

TCIW SELF-DRAINING STANDPIPE





Bury		Pipe	Rod
.150m	0' - 6"	2' - 0"	2' - 4 3/4"
.300m	1' - 0"	2' - 6"	2' - 10 3/4-
.450m	1' - 6"	3' - 0"	3' - 4 3/4"
.600m	2' - 0"	3' - 6	3' - 10 3/4"
.750m	2' - 6"	4' - 0"	4' - 4 3/4"
.900m	3' - 0"	4' - 6"	4' - 10 3/4"
1.05m	3' - 6"	5' - 0"	5' - 4 3/4"
1.20m	4' - 0"	5' - 6"	5' - 10 3/4"
1.35m	4' - 6"	6' - 0"	6' - 4 3/4"
1.50m	5' - 0"	6' - 6"	6' -10 3/4"
1.65m	5' - 6"	7' - 0"	7' - 4 3/4"
1.80m	6' - 0"	7' - 6"	7' - 10 3/4"
1.95m	6' - 6"	8' - 0"	8' - 4 3/4"
2.10m	7' - 0"	8' - 6"	8' - 10 3/4"
2.25m	7' - 6"	9' - 0"	9' - 4 3/4"
2.40m	8' - 0"	9' - 6"	9' - 10 3/4"
2.55m	8' - 6"	10' - 0"	10' - 4 3/4"
2.70m	9' - 0"	10' - 6"	10' - 10 3/4"
2.85m	9' - 6"	11' - 0"	11' - 4 3/4"
3.00m	10' - 0"	11' - 6"	11' - 10 3/4"
3.15m	10' - 6"	12' - 0"	12' - 4 3/4"
3.30m	11' - 0"	12' - 6"	12' - 10 3/4"
3.45m	11' - 6"	13' - 0"	13' - 4 3/4"
3.60m	12' - 0"	13' - 6"	13' - 10 3/4"
3.75m	12' - 6"	14' - 0"	14' - 4 3/4"
3.90m	13' - 0"	14' - 6"	14' - 10 3/4"

PARTS LIST		
Part No.	NAME	Material
1	Handwheel	D.I.
2	Handwheel Bolt	Brass
3	Washer	Brass
4	Handwheel Stem	Cast Bronze
5	Top End “0” Ring	Houghton — 211
6	Handwheel Stem Pin	Stainless Steel
7	Top End	Cast D I
8	Pipe	Steel
9	Operating Rod	Steel
10	Gate Pin	Stainless Steel
11	Drain Shield	PVC
12	Screwed Gate “0” Ring	Houghton — 227
13	Bottom End	Cast Bronze
14	Screwed Gate	Cast Bronze
15	Cotter Pin	Brass
16	Disc Washer	Stainless Steel
17	Valve Disc	Urethane
18	Coupling	D.I.
	Top Coupling (Primer)	
	Bottom Coupling (Galv.)	S.S Nuts & Bolts

MATERIAL SPECIFICATIONS
Cast Iron (C.I.) to ASTM A-126-B
Mild Steel (M. St.) to SAE 1020
Ductile Iron (D.I.) to ASTM A536 (65-45-12)
Bronze (Br’z) to ASTM B-62
Urethane, Durometer D60

TERMINAL CITY 2” SELF-DRAINING STANDPIPE

MAINTENANCE PROCEDURE

1. Visually inspect the Standpipe for vandalism or vehicular damage that may effect the operation of the unit.
2. Locate the isolating valve on the supply line to the Standpipe, and put in place the Valve Key or shut-off devise. Be sure that the Standpipe is in the closed position and remove the outlet cap.
3. Install a Test Cap complete with a pressure gauge and pet cock or ball valve.
4. Using the Standpipe Handwheel (part #1), fully open the Standpipe (4 to 5 turns)
5. Control the flow of water from the Test Cap with the ball valve or pet cock.
6. Close the Test Cap control valve and record the gauge pressure.
7. Close the isolating valve, and open the Test Cap valve to release all water pressure in the Standpipe.
8. Remove the Handwheel bolt (part #2) and washer (part #3), and remove the Handwheel (part #1) from the Handwheel Stem (part #4).
9. Remove the Top Coupling (part #18) completely from the Pipe (part #8), and the Top End (part #7). If the Top End is a thread-on unit, unthread the Top End from the Pipe. Remove the Top End (part #7) from the Pipe (part #8).
10. Place the Handwheel (part #1) onto the Handwheel Stem (part #4), and turn counter clockwise to unthread the Screwed Gate (part #14) from the Bottom End (part #13).
11. Remove the Handwheel (part #1), and pull the Rod (part #9) and Screwed Gate (part #14) from the Pipe (part #8).
12. Inspect the Screwed Gate (part #14), Orings (part # 12), and the Valve Disc (part #17) for wear or any damage, and replace if necessary.
13. Lubricate the Screwed Gate (part #14) on the thread and oring surface, and re-install the unit in the reverse order as described above.