

OPERATIONS AND MAINTENANCE
INSTRUCTIONS
FOR THE TF500 BLOW-OFF

DESCRIPTION

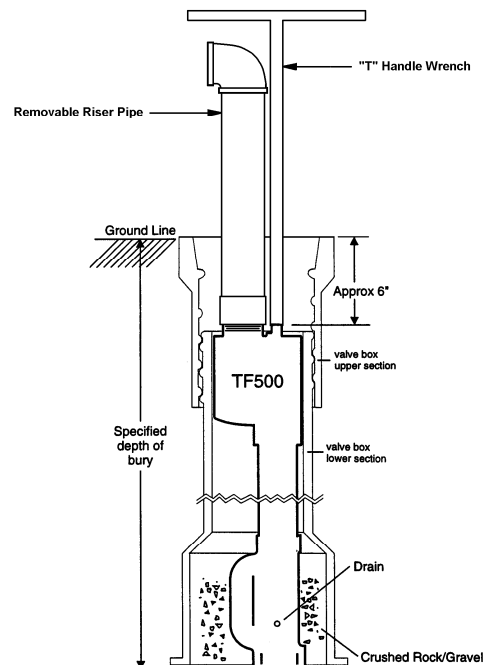
- A. THE BLOW-OFFS ARE TRUFLOW #TF500 BLOW-OFF MANUFACTURED BY JOHN C. KUPFERLE FOUNDRY CO. 2511 North 9th STREET, ST. LOUIS, MO. 63102. PHONE 314-231-8738, FAX 314-231-2820
- B. BLOW-OFFS ARE BELOW GRADE TYPE WITH A 2" FIP VERTICAL OR HORIZONTAL INLET OR MJ HORIZONTAL INLET AND A 2" MIP NOZZLE ON THE OUTLET. ALL OPERATING PARTS OF THE BLOW-OFF CAN BE SERVICED OR REPLACED WITHOUT DIGGING UP OR DISTURBING THE SUPPLY LINE CONNECTION.

OPERATION

- A. BLOW-OFF IS MANUALLY OPERATED BY USING A TF500 WRENCH ON THE TOP OPERATING NUT. BLOW-OFF OPENS BY TURNING THE TOP SCREW TO THE LEFT OR COUNTERCLOCKWISE. BLOW-OFF CLOSSES BY TURNING THE TOP SCREW TO THE RIGHT OR CLOCKWISE. BLOW-OFF CLOSSES AGAINST THE PRESSURE. TOP SCREW SHOULD NEVER BE FORCED ONE WAY OR THE OTHER.
- B. THE BLOW-OFF IS A SELF-DRAINING, NON-FREEZE TYPE. WHEN THE BLOW-OFF IS TURNED OFF, THE INLET VALVE IS CLOSED AND THE DRAIN PORTS ARE OPENED ALLOWING WATER IN THE BLOW-OFF AND TRENCH STOCK TO DRAIN OUT THROUGH THE DRAIN OPENING IN THE VALVE BODY.

INSTALLATION

- A. SET BLOW-OFF IN A SUFFICIENT DEPTH SUPPLY OF CRUSHED STONE OR GRAVEL TO INSURE DRAINAGE FROM THE DRAIN HOLE IN THE BLOW-OFF BOTTOM.
- B. SUPPLY LINES **MUST** BE FLUSHED FREE OF ROCK, GRAVEL AND OTHER DEBRIS BEFORE CONNECTING THE BLOW-OFF.
- C. INSTRUCTIONS OF THE AMERICAN WATER WORKS ASSOCIATION SHOULD BE FOLLOWED WHEN PLACING AND TESTING BLOW-OFF.



PARTS REPLACEMENT

- A. REPLACEMENT PARTS MAY BE OBTAINED FROM ANY WATER WORKS DISTRIBUTOR. A LIST OF DISTRIBUTORS MAY BE OBTAINED BY CALLING KUPFERLE FOUNDRY CO. AT 800-231-3990.
- B. SERVICING OF THE BLOW-OFF OR REPLACEMENT OF WORN PARTS CAN BE ACCOMPLISHED WITHOUT DIGGING UP OR DISTURBING THE SUPPLY LINE CONNECTION. THIS IS DONE BY REMOVING THE FOUR (4) BOLTS HOLDING THE TOP CAP IN PLACE. THE TOP CAP AND INSIDE OPERATING PARTS CAN BE LIFTED OUT OF THE BLOW-OFF FOR SERVICING REPAIR OR REPLACEMENT.
- C. BLOW-OFF PARTS ARE IDENTIFIED AND PART NUMBERS ARE LISTED ON THE FOLLOWING DETAIL SHEETS.
 - a. TRUFLOW #TF500 DETAIL DRAWING
 - b. PARTS LIST SHEETS
- D. IF BLOW-OFFS ARE USED DAILY AS ANNUAL INSPECTION OF THE O-RINGS AND SEAT RUBBER ARE RECOMMENDED. A #77-D O-RING (QTY 3 REQUIRED) & #77-I SEAT RUBBER (QTY 1 – REQUIRED)
- E. 3 - O-RINGS & 1 – SEAT RUBBER SHOULD BE KEPT ON HAND. WHEN REPLACING PARTS, LUBRICATE WITH A NON-TOXIC OIL (VEGETABLE, LINSEED, ECT.) BEFORE REINSERTING INTO BLOW-OFF.
- F. FOR PROPER OPERATION, THE BLOW-OFF SHOULD HAVE 7 BUT NO MORE THAN 8 FULL TURNS ON THE OPERATING NUT.