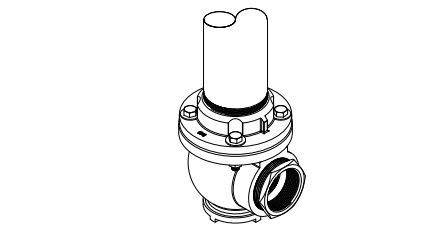


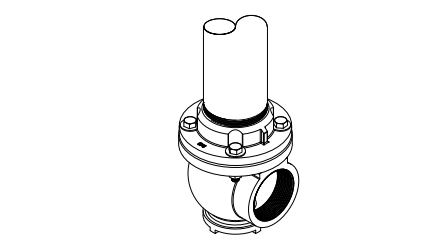
# #85 BELOW-GRADE BLOW-OFF HYDRANT SPEC SHEET

| GENERAL HYDRANT SPECIFICATIONS |   |
|--------------------------------|---|
| MAXIMUM OPERATING PRESSURE:    | 220 PSI   |
| INLET MATERIALS:               | CAST IRON, BUNA-N, C89833 BRASS   |
| TOP STOCK MATERIAL:            | CAST IRON   |
| ENCLOSURE COLOR:               | BLACK   |
| WETTED MATERIALS:              | BUNA-N, CAST/GREY IRON, SBR, 303 S.S., 18-8 S.S., EPDM, SBR RUBBER & C89833 BRASS |
| DEPTH OF BURY:                 | 3' STANDARD   |
| WEIGHT:                        | 65 LBS  |

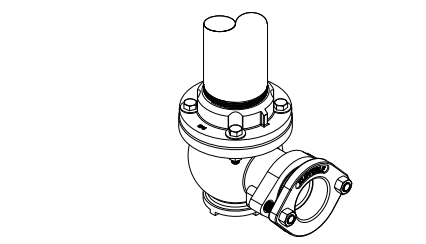
OTHER SPECIFICATIONS AVAILABLE UPON REQUEST



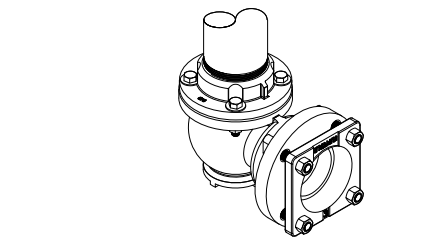
**A** 2-1/2" FIP INLET  
Scale: 1"=1'



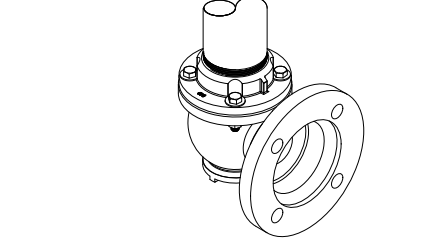
**B** 3" FIP INLET  
Scale: 1"=1'



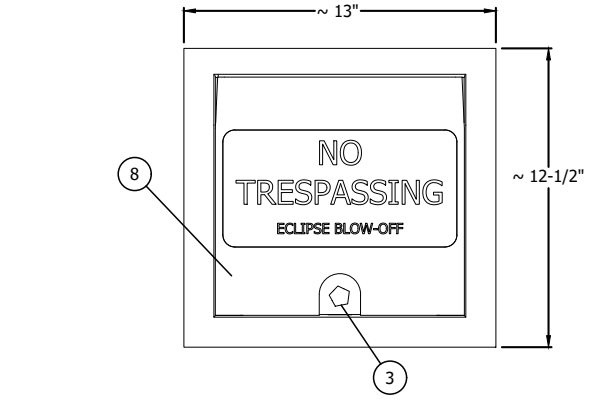
**C** 2" MJ INLET  
Scale: 1"=1'



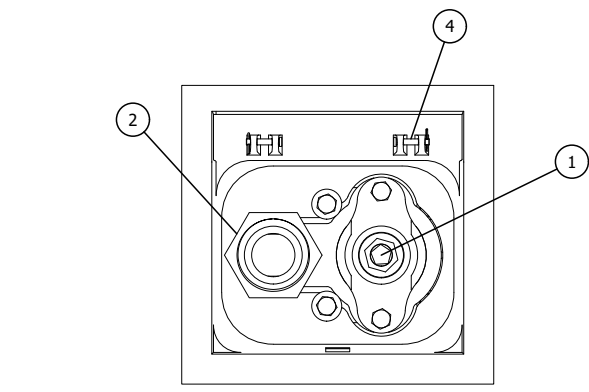
**D** 3" MJ INLET  
Scale: 1"=1'



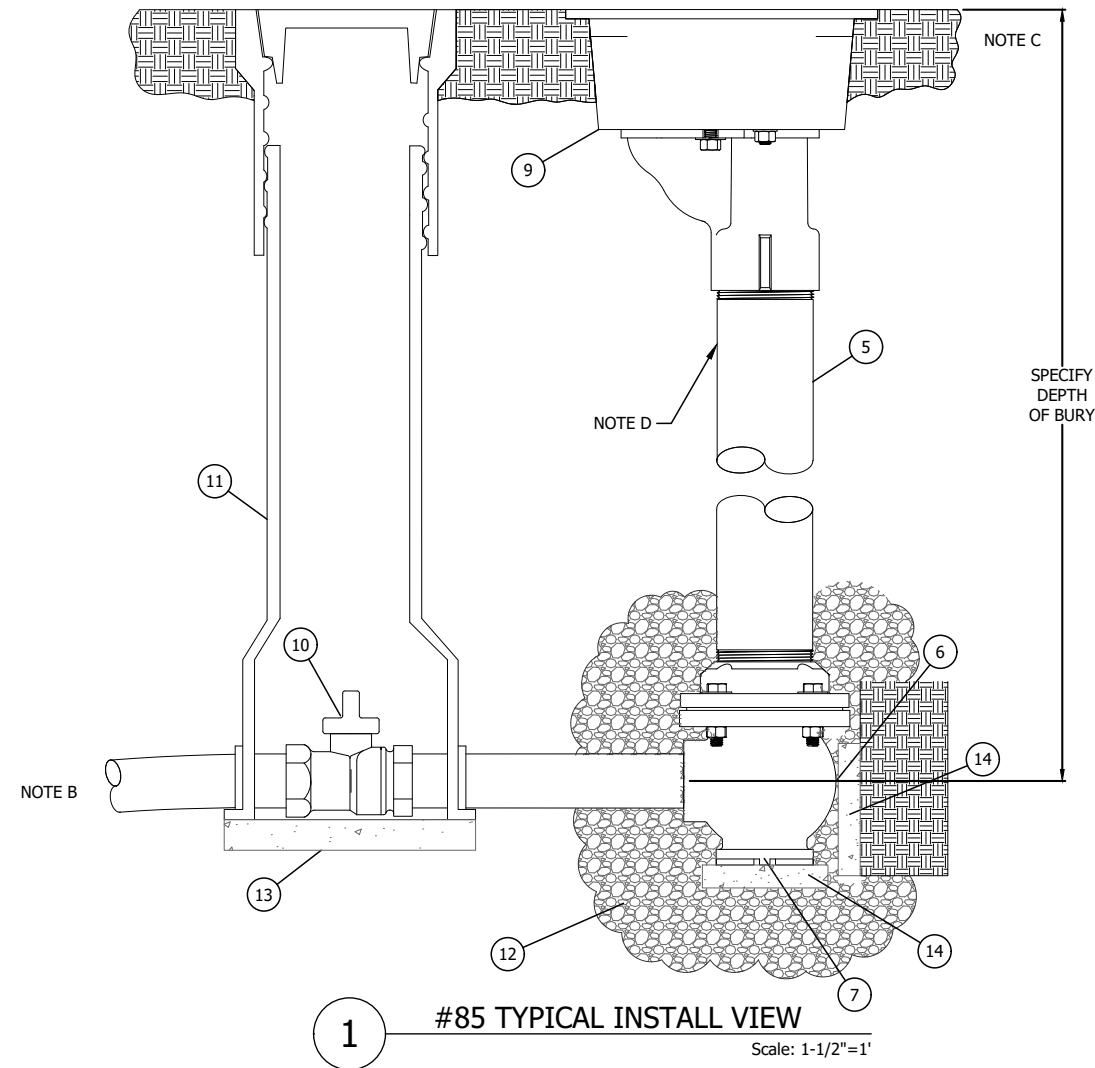
**E** 4" MJ INLET  
Scale: 1"=1'



**F** TOP VIEW  
Scale: 1-1/2"=1'



**G** TOP VIEW LID OPEN  
Scale: 1-1/2"=1'



**1** #85 TYPICAL INSTALL VIEW  
Scale: 1-1/2"=1'

| Eclipse Product Ordering Guide |                    |         |                           |  |   |   |   |   |   |   |    |  |
|--------------------------------|--------------------|---------|---------------------------|--|---|---|---|---|---|---|----|--|
| MODEL#                         | 85                 | -       | X.X                       | -  | A | - | A | - | X | - | BK |  |
| SUBSECTION                     | 1                  | 2       | 3                         | 4  | 5 | 6 | 7 |   |   |   |    |  |
| SUBSECTION DESCRIPTION         | MODEL # SUBSECTION | OPTIONS |                           | DESCRIPTIONS   |   |   |   |   |   |   |    |  |
| MODEL                          | 1                  | 85      |                           | BELOW-GRADE BLOW-OFF HYDRANT   |   |   |   |   |   |   |    |  |
| DEPTH OF BURY                  | 2                  | 0.0     |                           | X.X = FEET DEPTH OF BURY. ENTER # IN FEET AND INCLUDE INCHES. ROUND TO NEAREST 0.5 FEET. |   |   |   |   |   |   |    |  |
| INLET                          | 3                  | A       | 2" FNPT                   |  |   |   |   |   |   |   |    |  |
|                                |                    | B       | 2-1/2" FNPT               |  |   |   |   |   |   |   |    |  |
|                                |                    | C       | 3" FNPT                   |  |   |   |   |   |   |   |    |  |
|                                |                    | D       | 2" MJ                     |  |   |   |   |   |   |   |    |  |
|                                |                    | E       | 3" MJ                     |  |   |   |   |   |   |   |    |  |
|                                |                    | F       | 4" MJ                     |  |   |   |   |   |   |   |    |  |
| OUTLET                         | 4                  | A       | 2-1/2" NST BRASS NOZZLE   |  |   |   |   |   |   |   |    |  |
|                                |                    | B       | 1-1/2" IP BRASS NOZZLE    |  |   |   |   |   |   |   |    |  |
|                                |                    | C       | 1-1/2" MNPT BRASS NOZZLE  |  |   |   |   |   |   |   |    |  |
|                                |                    | D       | 1-1/2" NST BRASS NOZZLE   |  |   |   |   |   |   |   |    |  |
|                                |                    | E       | 2" IP BRASS NOZZLE        |  |   |   |   |   |   |   |    |  |
|                                |                    | F       | 2" MNPT BRASS NOZZLE      |  |   |   |   |   |   |   |    |  |
| OPERATING ROD MATERIAL         | 5                  | G       | 2" NST BRASS NOZZLE       |  |   |   |   |   |   |   |    |  |
|                                |                    | H       | CALL FOR CUSTOM           |  |   |   |   |   |   |   |    |  |
|                                |                    | A       | 3/4" GALV PIPE (Standard) |  |   |   |   |   |   |   |    |  |
|                                |                    | B       | 1-1/16" SOLID S.S. ROD    |  |   |   |   |   |   |   |    |  |
|                                |                    | C       | 3/4" STEEL PIPE           |  |   |   |   |   |   |   |    |  |
|                                |                    | D       | 3/4" S.S. PIPE            |  |   |   |   |   |   |   |    |  |
| OPERATING WRENCH               | 6                  | E       | 3/4" BRASS PIPE           |  |   |   |   |   |   |   |    |  |
|                                |                    | F       | 1-1/16" SOLID STEEL ROD   |  |   |   |   |   |   |   |    |  |
|                                |                    | X       | NONE                      |  |   |   |   |   |   |   |    |  |
|                                |                    | A       | SHORT HANDLE "T" WRENCH   |  |   |   |   |   |   |   |    |  |
|                                |                    | B       | LONG HANDLE "T" WRENCH    |  |   |   |   |   |   |   |    |  |
|                                |                    | BK      | BLACK PAINT (STANDARD)    |  |   |   |   |   |   |   |    |  |
| PAINT COLOR                    | 7                  | RD      | RED PAINT                 |  |   |   |   |   |   |   |    |  |
|                                |                    | GR      | GREEN PAINT               |  |   |   |   |   |   |   |    |  |
|                                |                    | BE      | BLACK EPOXY               |  |   |   |   |   |   |   |    |  |

| ITEM | DESCRIPTION                  | NOTES     |
|------|------------------------------|-----------|
| 1    | OPERATING SCREW              |           |
| 2    | 2-1/2" NST OUTLET            |           |
| 3    | LID WORM LOCK                |           |
| 4    | INTERIOR HINGE               |           |
| 5    | 3-1/2" FBE COATED STEEL PIPE |           |
| 6    | INLET VALVE BODY             |           |
| 7    | DRAIN HOLE                   |           |
| 8    | LID                          |           |
| 9    | BOX BODY                     |           |
| 10   | HYDRANT SHUT-OFF VALVE       | BY OTHERS |
| 11   | VALVE BOX                    | BY OTHERS |
| 12   | CRUSHED ROCK                 | BY OTHERS |
| 13   | CONCRETE BLOCK               | BY OTHERS |
| 14   | THRUST BLOCKS                | BY OTHERS |

Below-grade Blow-off Hydrant shall be installed in the following location(s): \_\_\_\_\_

#85 Below Grade Hydrant shall be self-draining, non-freezing, compression type with 2-3/16" main valve opening. Hydrant shall be furnished with a 2" FIP horizontal inlet connection standard, a non-turning operating rod and shall open to the left. Outlet shall be 2-1/2" NST standard or smaller (must specify on order) with optional cap. Hydrant shall be housed in a cast iron box, and shall utilize internal hinges.

All water flow shall pass through a 3-1/2" FBE internally and externally coated steel pipe and and cast iron top stock waterway. The operating drive mechanism shall raise and lower a plunger to control the flow of water. All working parts shall be servicable from above ground with no digging required. Said operating parts shall operate with a "T" handle valve wrench. When open the flow of water shall be unobstructed and the drain hole shall be covered. All working parts shall be brass, galvanized steel, e-coated cast iron and stainless steel. All threads on the galvanized steel operating rod shall be coated with a cold galvanizing spray for corrosion resistance.

Hydrant shall be set in 4 cubic feet of crushed stone to allow for proper drainage of hydrant. Recommendation of the AWWA should be followed when installing the hydrant.

Unit model # shall be 85-X.X-X-X-X-X as specified in the product ordering guide as manufactured by Kupferle Foundry Company, St. Louis MO, or approved equal.

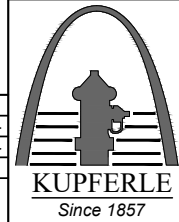
| NOTES |   |
|-------|---|
| A     | PIPING BY OTHERS  |
| B     | FLUSH LINE BEFORE INSTALLATION OF THE HYDRANT   |
| C     | GROUND LINE MAY VARY  |
| D     | IN CORROSIVE SOLIDS THE BURIED PIPE SHOULD BE PREPPED FOR ADDITIONAL RESISTANCE TO CORROSION. KUPFERLE RECOMMENDS SPRAYING ALL UNDERGROUND PIPING AND FITTINGS WITH BITUMINOUS SPRAY TAR, ALLOWING PROPER TIME TO DRY AND WRAPPING THE PARTS. |

| DD/MM/YY | ISSUED FOR ...    |
|----------|-------------------|
|          |                   |
| DATE     | STATUS / REVISION |
|          |                   |

|          | INITIALS | DATE     |
|----------|----------|----------|
| DRAWN    | K.J.W    | 05/29/24 |
| APPROVED | ADC      | 05/29/24 |
| MODIFIED |          |          |

#85 SPEC SHEET

SHEET SIZE B (11x17)  
SCALE VARIES



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FAX 314-231-2820  
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