

IT IS RECOMMEND THAT THE CAP OR LID HAVE A HANDLE TO ASSIST IN REMOVAL. A 1/8 INCH DIAMETER HOLE MAY BE DRILLED IN TIGHT FITTING CAP FOR AIR TRANSFER.

THE CASING SHALL EXTEND ABOVE THE GROUND SURFACE AND HAVE GOOD SURFACE DRAINAGE AWAY FROM IT. THE CASING MUST BE PLACED WHERE IT IS PROTECTED AND CLEARLY MARKED IN ORDER TO PREVENT DAMAGE.

THE CASING ABOVE THE RISER CAN BE FILLED WITH WATERPROOF INSULATION OR INSULATION PLACED IN A PLASTIC BAG TO AID IN WINTER OPERATION DURING EXTREME COLD PERIODS.

KEY FOR QUICK COUPLER VALVE

QUICK COUPLER VALVE ASSEMBLY

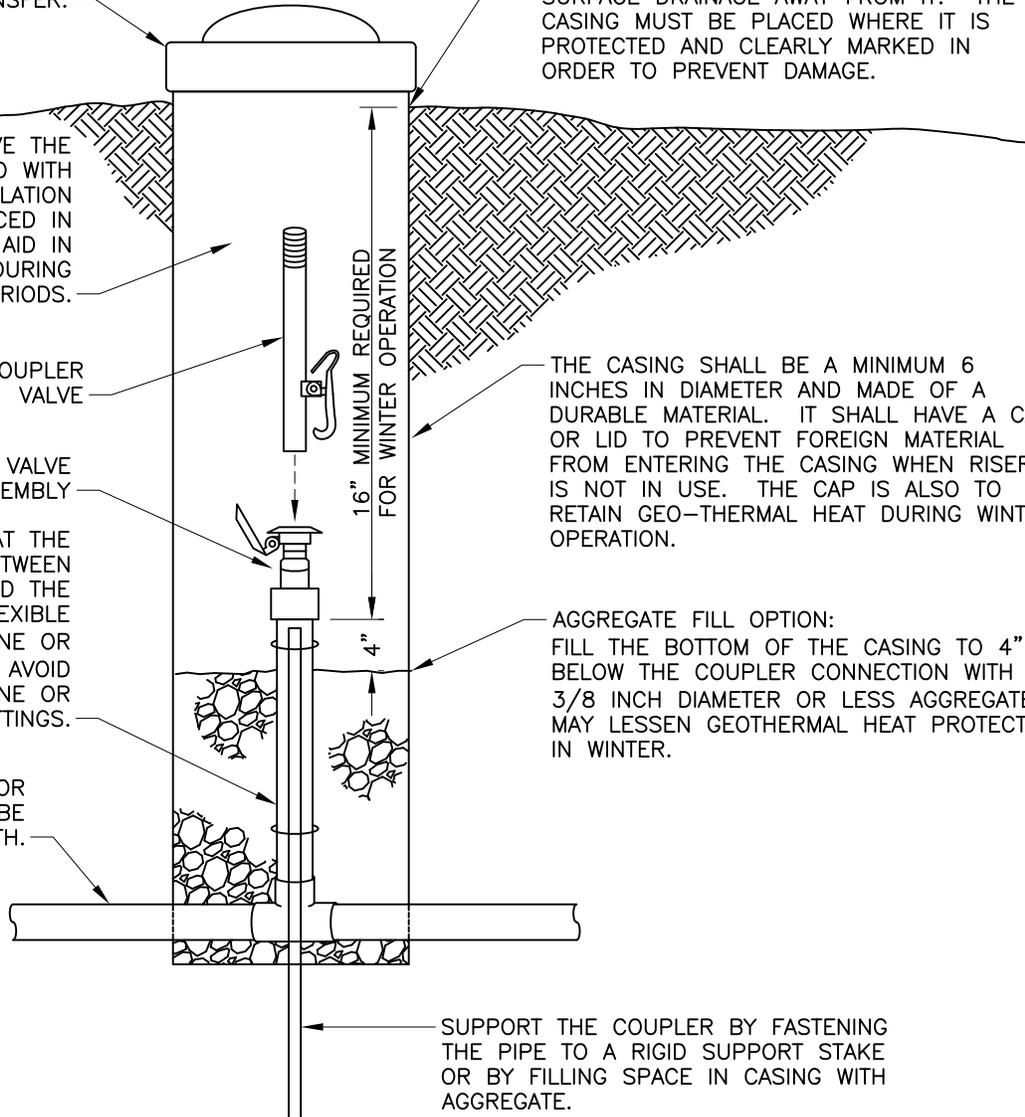
IT IS RECOMMEND THAT THE SECTION OF PIPE BETWEEN THE PIPELINE AND THE COUPLER BE SEMI-FLEXIBLE (POLYETHYLENE OR EQUIVALENT) TO AVOID BREAKING PIPELINE OR FITTINGS.

MINIMUM COVER FOR PIPELINE SHALL BE FROST DEPTH.

THE CASING SHALL BE A MINIMUM 6 INCHES IN DIAMETER AND MADE OF A DURABLE MATERIAL. IT SHALL HAVE A CAP OR LID TO PREVENT FOREIGN MATERIAL FROM ENTERING THE CASING WHEN RISER IS NOT IN USE. THE CAP IS ALSO TO RETAIN GEO-THERMAL HEAT DURING WINTER OPERATION.

AGGREGATE FILL OPTION: FILL THE BOTTOM OF THE CASING TO 4" BELOW THE COUPLER CONNECTION WITH 3/8 INCH DIAMETER OR LESS AGGREGATE. MAY LESSEN GEOTHERMAL HEAT PROTECTION IN WINTER.

SUPPORT THE COUPLER BY FASTENING THE PIPE TO A RIGID SUPPORT STAKE OR BY FILLING SPACE IN CASING WITH AGGREGATE.



NOTES:

1. PORTABLE WATER TANK QUICK COUPLER RISER DETAIL IS USED FOR PROVIDING A CONNECTION BETWEEN THE WATER PIPELINE AND THE PORTABLE TANK. THIS DETAIL IS FOR YEAR ROUND USE AND ILLUSTRATES QUICK COUPLER VALVES COMMONLY USED IN LANDSCAPE IRRIGATION. THIS DOES NOT PRECLUDE OTHER TYPES OF CONNECTORS.
2. EVALUATE THE NEED FOR SANITARY PROTECTION FOR THE PIPELINE. WATER LINE PROTECTION SHALL COMPLY WITH CONSERVATION PRACTICE (516) PIPELINE.



United States Department of Agriculture

Natural Resources Conservation Service

QUICK COUPLER VALVE & KEY DETAIL

CLIENT: \_\_\_\_\_  
COUNTY: \_\_\_\_\_

Date \_\_\_\_\_  
Designed \_\_\_\_\_  
Date \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked \_\_\_\_\_  
Date \_\_\_\_\_  
Approved \_\_\_\_\_

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