



ALIGN VALVE BOXES WITH NEAREST BUILDING, SIDEWALK, OR CURB (NOT NECESSARY- JUST LOOKS NICER)
SLOPE SOIL UP TO BOX RIM SLIGHTLY SO WATER DOESN'T DRAIN INTO VALVE BOX.

INSTALL VALVES IN SHRUB BEDS WHERE POSSIBLE. (LOOKS BETTER AND IS SAFER.)

SEAL WIRE SPLICES IMMEDIATELY. WATER CAN BE SUCKED THROUGH WIRE INTO SOLENOID AND RUST IT.

UNSEALED WIRE SPLICES ARE THE #1 CAUSE OF VALVE FAILURES.

COILING THE WIRES PROTECTS THE SOLENOID FROM SMALL VOLTAGE SURGES IN THE WIRE CAUSED BY
NEARBY LIGHTNING. (NOTHING WILL PROTECT AGAINST A DIRECT LIGHTNING STRIKE ON THE WIRE.)

THE ROCK LAYER SUPPORTS THE BOX SO IT DOESN'T SHIFT OR SETTLE, IT ALSO ALLOWS WATER DRAINAGE
AND HELPS KEEP BURROWING RODENTS OUT OF THE BOX. GOPHERS WILL FILL THE BOX WITH DIRT IF THEY CAN
FIND A OPENING AT THE BOTTOM OR SIDES THAT THEY CAN GET THE DIRT THROUGH.

SEAL ANY OPENINGS IN BOX WALLS WITH DUCT TAPE ON THE OUTSIDE OF THE BOX TO KEEP OUT DIRT.

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VALVE FILTER & REGULATOR DETAIL

Not to Scale

SAMPLE PLAN ONLY - NOT FOR CONSTRUCTION