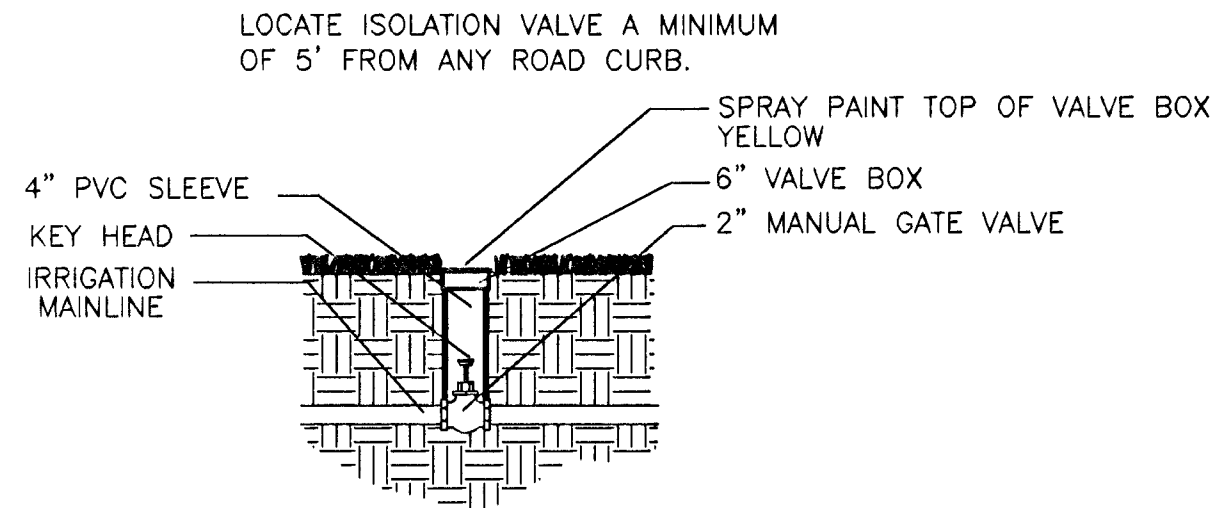
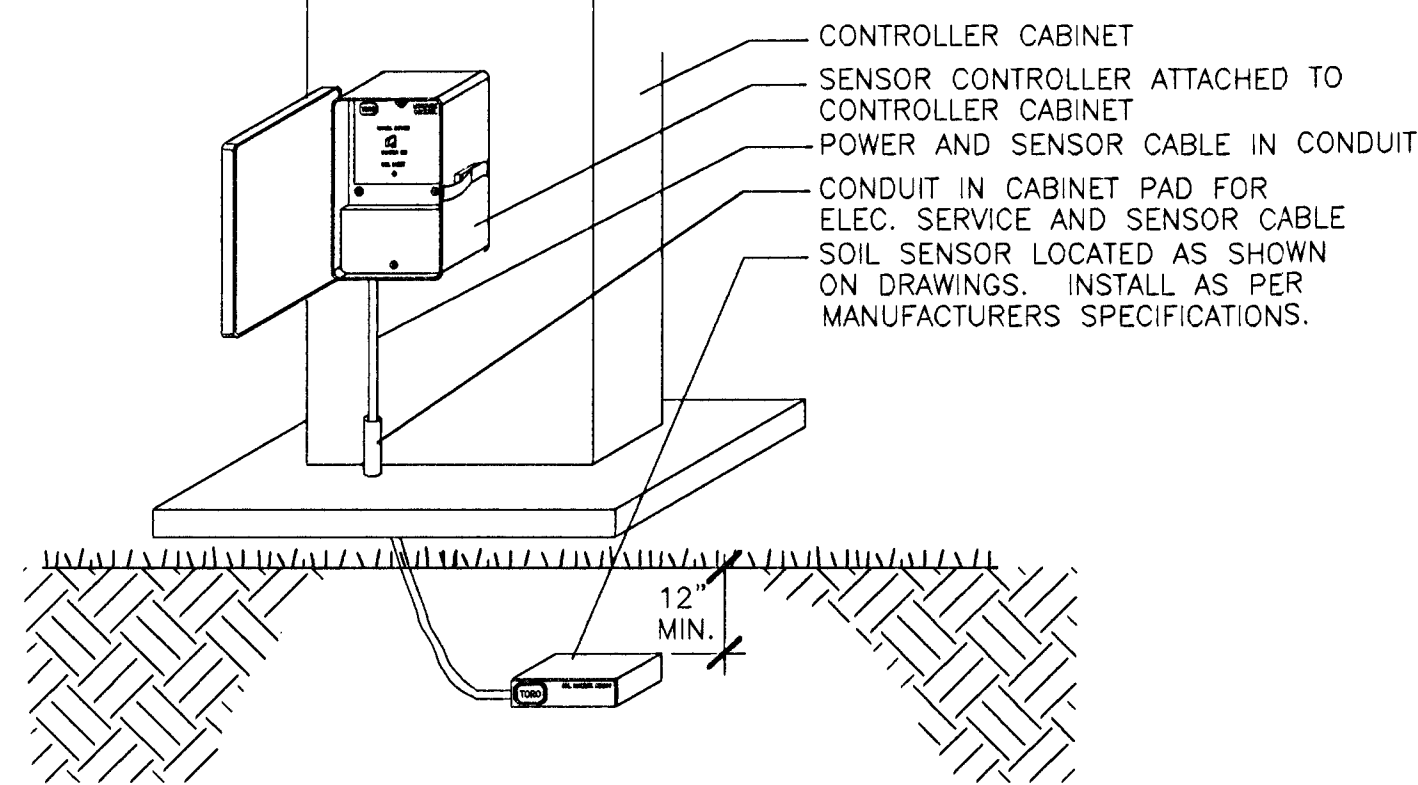
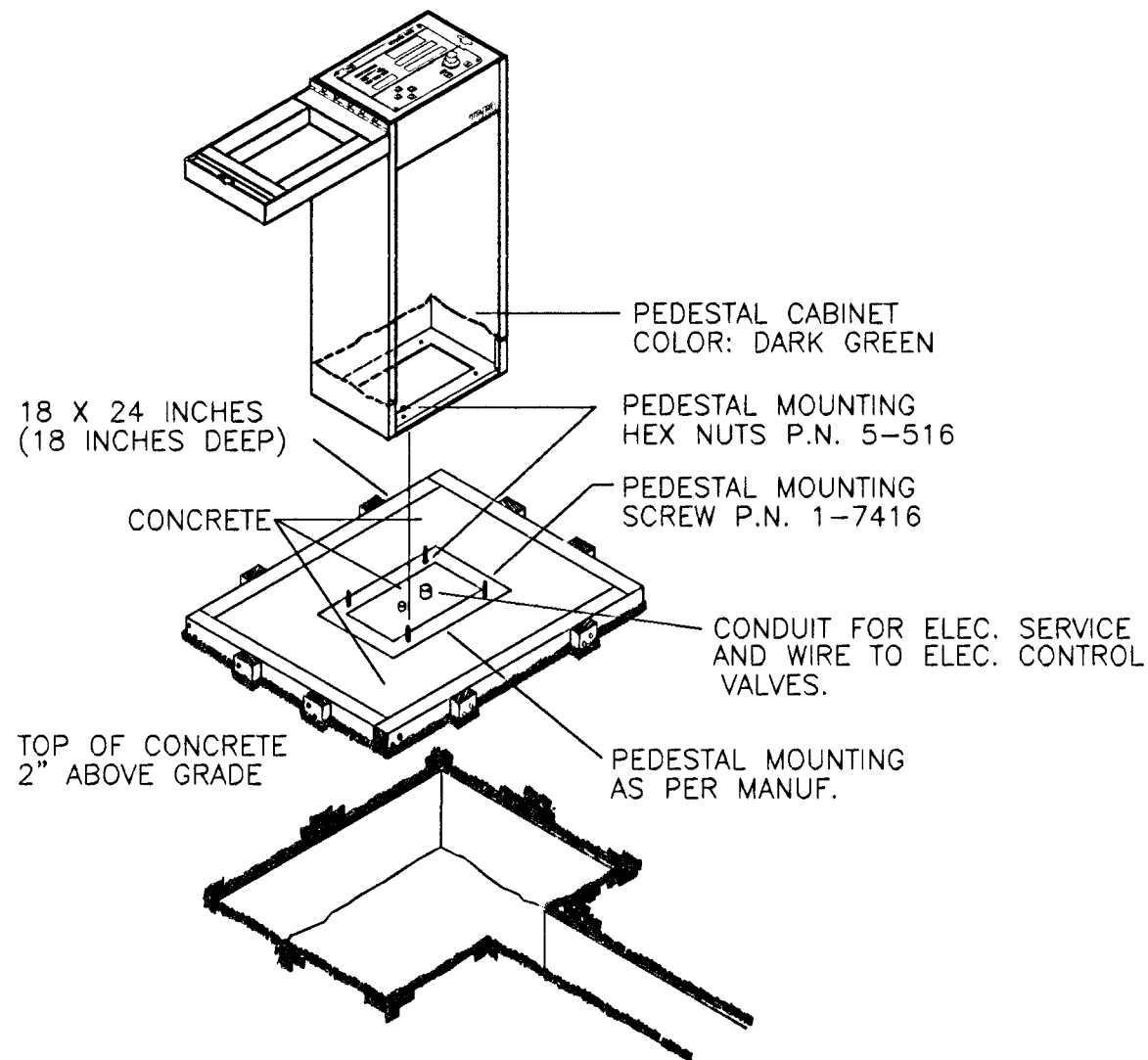
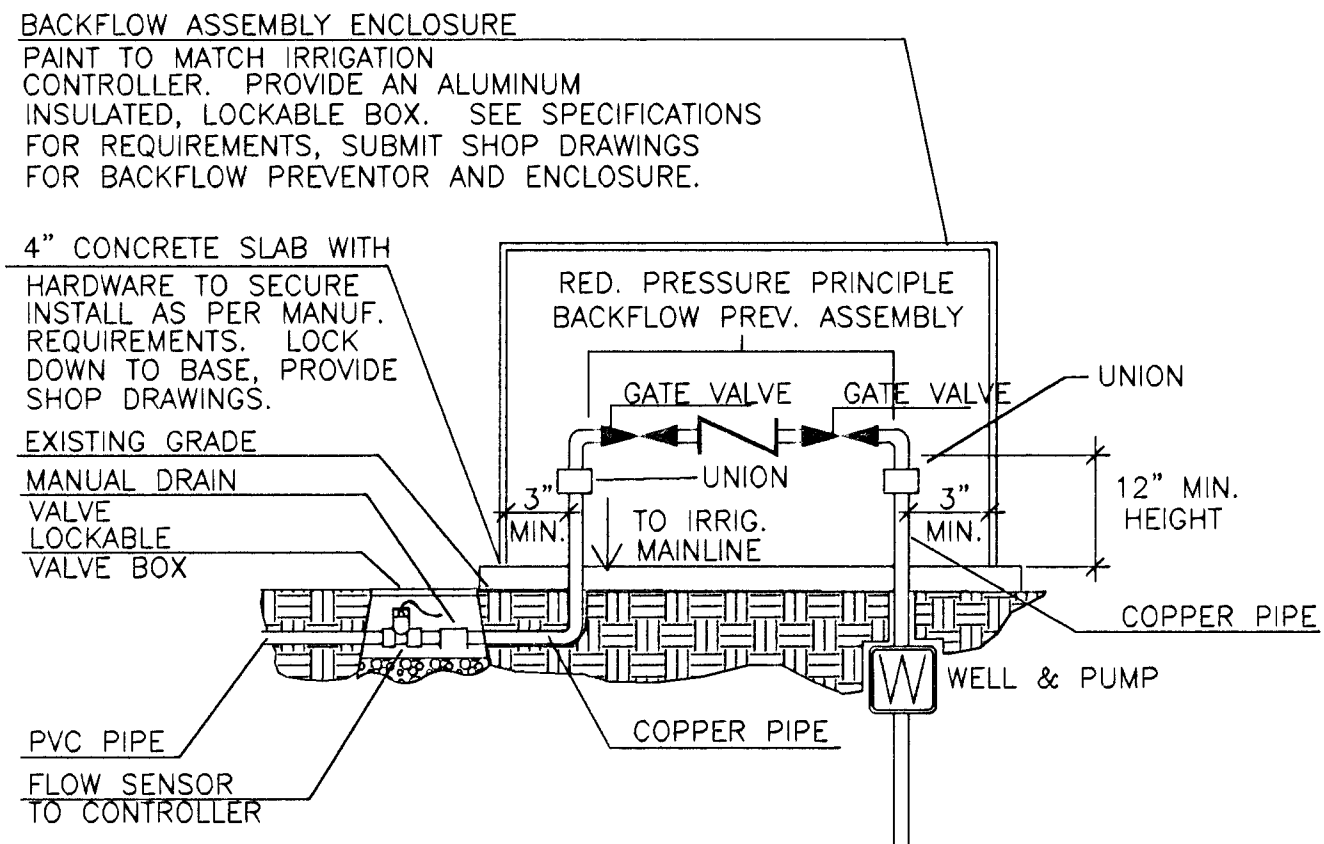


| FHWA<br>REG<br>NO. | STATE  | PROJECT NO.      | YEAR | SHEET<br>NO. | SHEETS |
|--------------------|--------|------------------|------|--------------|--------|
| 7                  | KANSAS | 54-87-TE-0039-01 | 1997 | 35           | 43     |

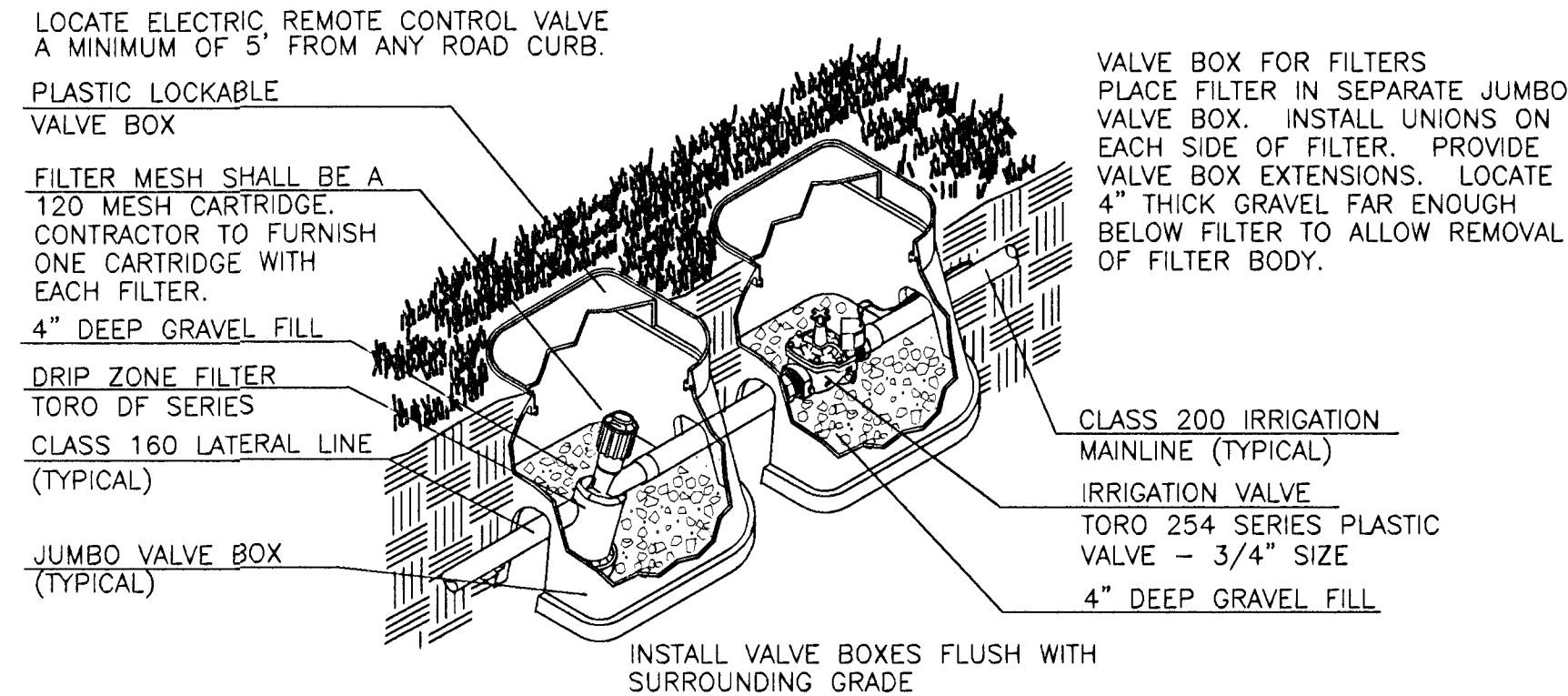
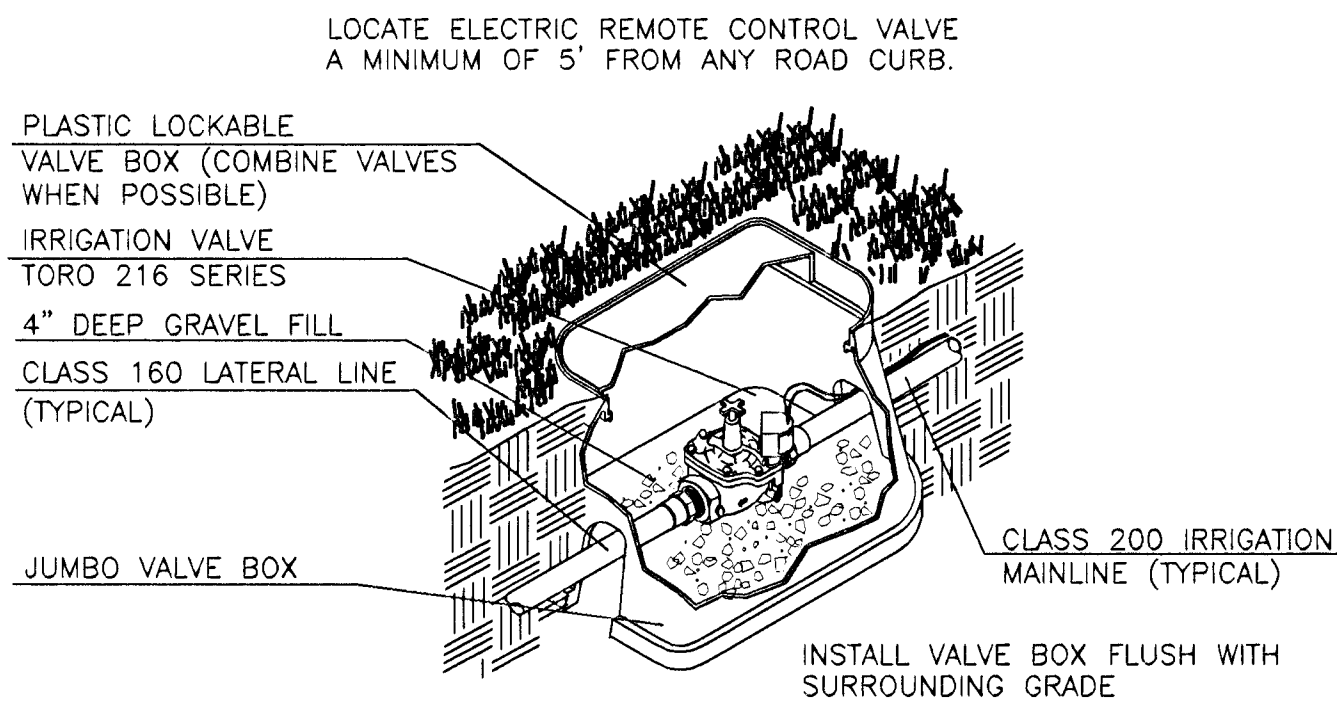
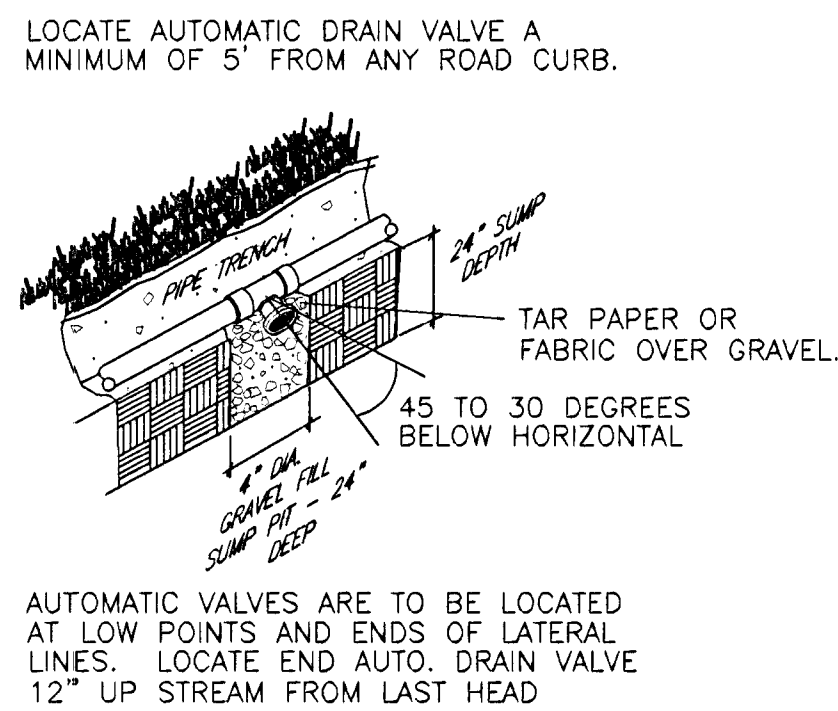
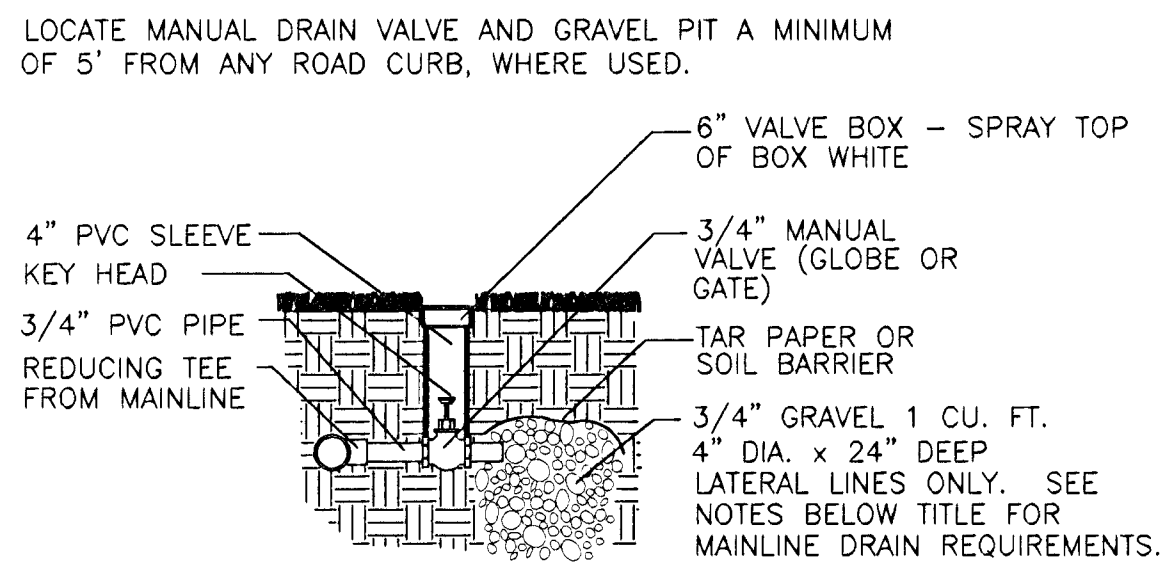


1 REDUCED PRESSURE BACKFLOW PREVENTER  
LOCATION AS SHOWN ON IRRIGATION PLAN NO SCALE

2 CONCRETE BASE FOR PEDESTAL MOUNT CONTROLLER  
NO SCALE

3 SOIL MOISTURE SENSOR  
NO SCALE

4 MAINLINE ISOLATION VALVE  
NO SCALE



5 MANUAL DRAIN VALVE DETAIL  
NO SCALE

6 AUTOMATIC DRAIN AND SUMP PIT  
NO SCALE

7 ELECTRIC REMOTE IRRIGATION VALVE  
SPRAY AND ROTOR SPRINKLER ZONES NO SCALE

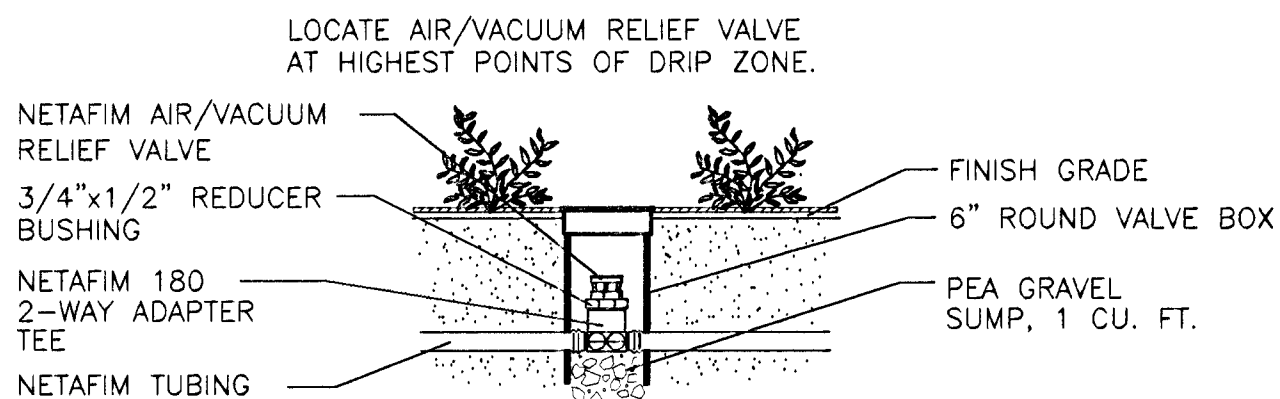
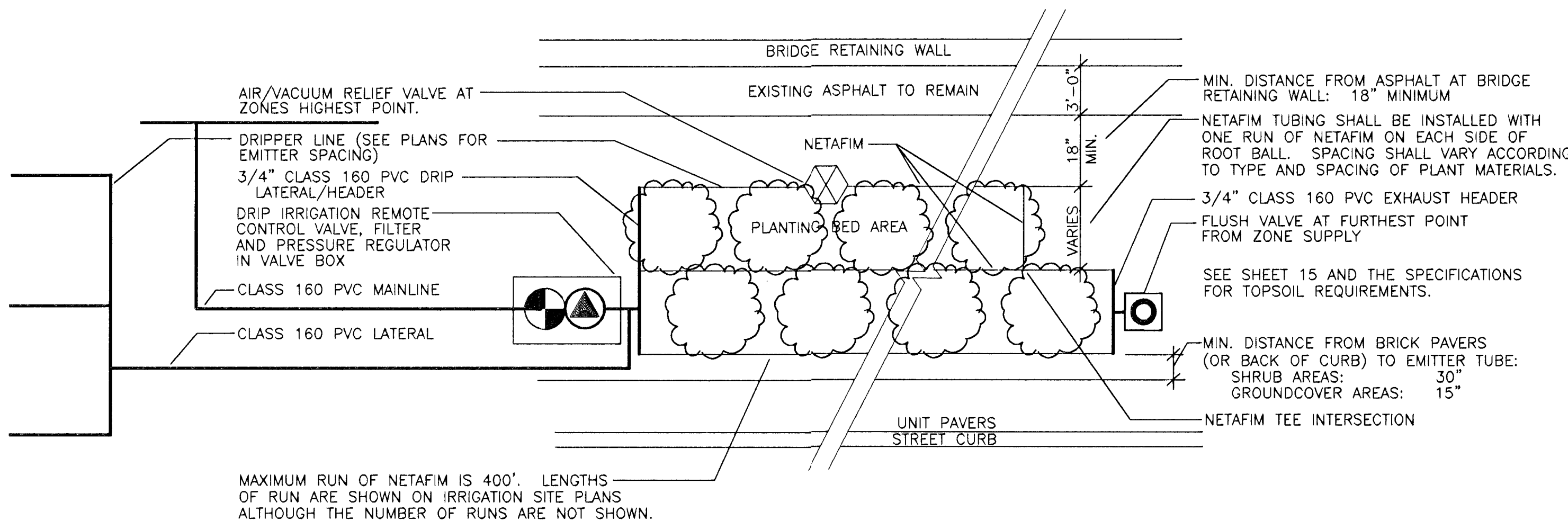
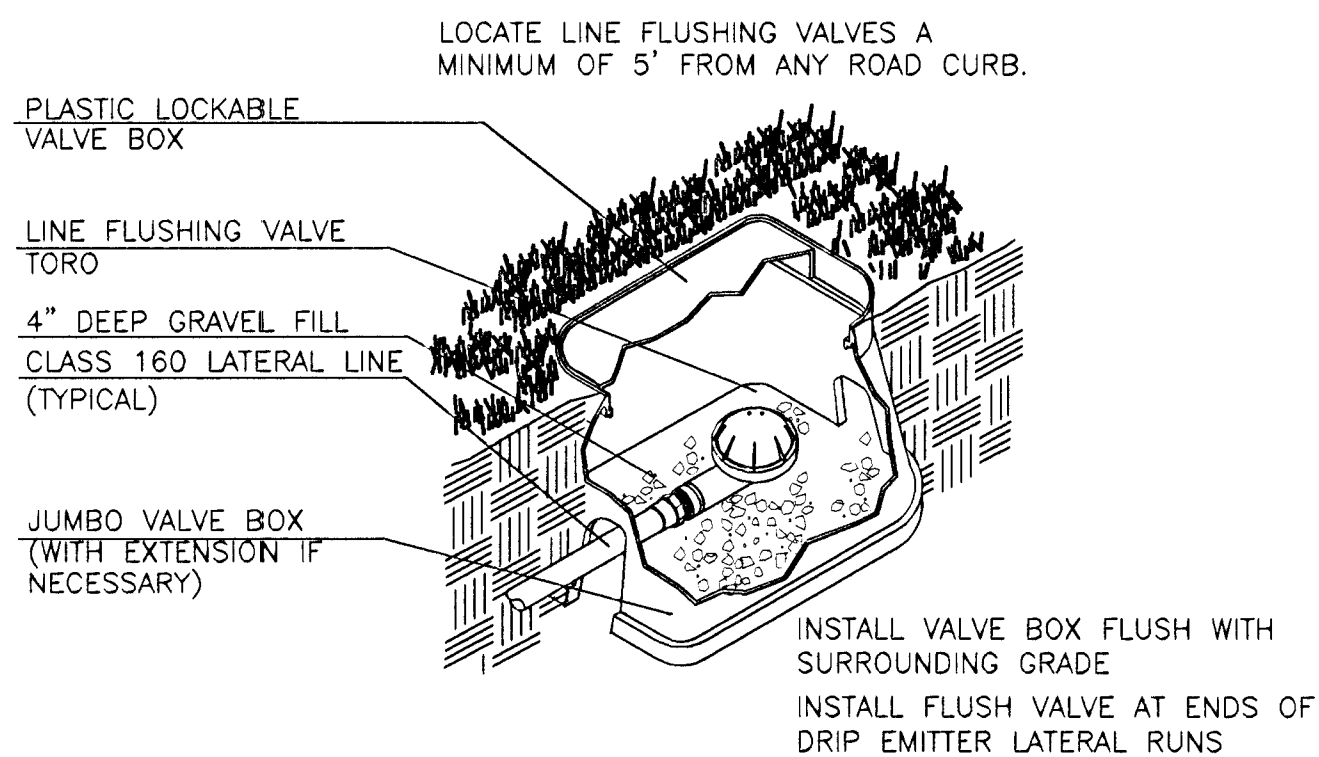
8 ELECTRIC REMOTE IRRIGATION VALVE AND DRIP FILTER  
DRIP IRRIGATION ZONES ONLY NO SCALE

METHODS OF DRAINING IRRIGATION MAINLINE AND DRIP MAINLINE

TYPE 1 - RUN 3/4" DIA. PVC PIPE FROM VALVE TO DAYLIGHT IN SOIL  
CONDITIONS. SEE SH. 27 & 28.

TYPE 2 - RUN 3/4" DIA. PVC PIPE FROM VALVE INTO PIT CONTAINING  
A MINIMUM OF 1 1/2 CU.YD. OF 3/4" CLEAN (WASHED)  
AGGREGATE, COVER TOP OF AGGREGATE WITH GEOTEXTILE FABRIC.  
PROVIDE A MINIMUM OF 12" OF SOIL COVER OVER THE  
AGGREGATE. INSTALL A MINIMUM OF 10' BEHIND A CURB.

TYPE 3 - USE THIS METHOD IN AREAS WITH UNDERDRAIN SYSTEM. SEE  
SH. 12 THRU 15 AND SH. 29 THRU 32. USE 3/4" CLEAN  
(WASHED) AGGREGATE IN A 4" DIA. x 18" DEEP SUMP BELOW  
EACH DRAIN VALVE. 18" FROM THE BOTTOM OF THE PLANT  
BED. SEE DETAIL 6 SH. 8. THIS WILL DELIVER WATER TO THE  
BOTTOM OF THE PLANT BED WHERE IT WILL BE PICKED UP BY  
THE UNDERDRAIN SYSTEM.

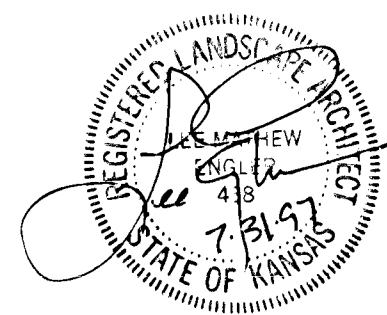


9 NETAFIM AIR/VACUUM RELIEF  
PLUMBED TO NETAFIM NO SCALE

10 LINE FLUSHING VALVE  
DRIP EMITTER ZONES ONLY NO SCALE

11 DRIPLINE LAYOUT IN PLANTING BEDS  
NO SCALE

PROVIDE AS BUILT DRAWINGS SHOWING LOCATIONS OF ALL  
VALVES AND IRRIGATION EQUIPMENT. INCLUDE DIMENSIONS  
(TRIANGULATED) FOR ALL VALVES, CONTROLLERS, AND SENSORS.



KANSAS DEPARTMENT OF TRANSPORTATION  
KELLOGG AND WEST STREET  
IRRIGATION DETAILS

PROJECT NO. # 701227

**Wilson Darnell Mann**  
architecture site planning interiors  
Wichita, Kansas



|                      |                              |
|----------------------|------------------------------|
| DESIGNED BY: WDM, PA | CHECKED BY: LME              |
| DRAWN BY: SKW        | DATE: 7/31/97 SHEET 35 OF 43 |