**RIGID PIPE BEDDING**

SEE NOTE 1.

COMPACTED BACKFILL (COMPACTED DENSITY PERCENTAGE PER STANDARD DETAIL D-25).

SPRING LINE

COMPACTED BEDDING GRAVEL PER SECTION 9-03.12(3), "GRAVEL BACKFILL FOR PIPE ZONE BEDDING", OF THE WSDOT STANDARD SPECIFICATION, OR OTHER MATERIAL IF SPECIFIED.

FOUNDATION GRAVEL, IF REQUIRED (SEE NOTE 2).

**FLEXIBLE PIPE BEDDING**

SEE NOTE 1.

COMPACTED BACKFILL (COMPACTED DENSITY PERCENTAGE PER STANDARD DETAIL D-25).

COMPACTED BEDDING GRAVEL PER SECTION 9-03.12(3), "GRAVEL BACKFILL FOR PIPE ZONE BEDDING", OF THE WSDOT STANDARD SPECIFICATION, OR OTHER MATERIAL IF SPECIFIED.

PVC PIPE

FOUNDATION GRAVEL, IF REQUIRED (SEE NOTE 2).

**CONCRETE ENCASEMENT**

SEE NOTE 1.

2000 P.S.I. CONCRETE (SEE NOTE 3)

FOUNDATION GRAVEL, IF REQUIRED (SEE NOTE 2).

**DETECTION PIPES WITH UNDERDRAINS**

RIGID OR FLEXIBLE PIPE BEDDING (PER ABOVE).

GEOTEXTILE WRAP AROUND GRAVEL BACKFILL.

PROVIDE 12" MIN. OVERLAP AT SEAMS.

1" WASHED ROCK FROM BOTTOM OF UNDERDRAIN PIPE TO CROWN OF DETENTION PIPE.

UNDERDRAIN PIPE (TYP.) 6" MIN. PERF. PER STANDARDS (SEE NOTE 5).

FOUNDATION GRAVEL, IF REQUIRED (SEE NOTE 2).

PERMEABLE GEOTEXTILE WRAP.

**NOTES:**

1. FOR PIPES 15-INCHES AND UNDER, TRENCH WIDTH=I.D. + 30-INCHES. FOR PIPES 18-INCHES AND OVER, TRENCH WIDTH=(1.5 x I.D.)+18-INCHES. PER SECTION 2-09.4, "MEASUREMENT", OF THE WSDOT STANDARD SPECIFICATIONS.

2. EXCAVATE UNSTABLE MATERIAL DOWN TO FIRM SOIL AND REPLACE WITH FOUNDATION GRAVEL PER SECTION 9-03.9(3), "BALLAST", OF THE WSDOT STANDARD SPECIFICATIONS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANCHORING PIPE TO PREVENT FLATION DURING CONCRETE PLACEMENT.

4. COMPACTED CRUSHED SURFACING PER SECTION 9-03.9(3), "CRUSHED SURFACING", OF THE WSDOT STANDARD SPECIFICATIONS CAN ALSO BE USED AS BEDDING GRAVEL.

5. PROVIDE CLEANOUTS ON UNDERDRAIN PIPE, EVERY 100 FEET, AND AT BENDS OR JUNCTIONS.