RIGID PIPE BEDDING

30" MAXIMUM FOR PIPE UP TO AND INCLUDING 12". FOR PIPE LARGER THAN 12", O.D. OF PIPE PLUS 16".
HAND COMPACTED BACKFILL
SPRING LINE
COMPACTED BEDDING GRAVEL PER SECTION 9-03.12(3), "GRAVEL BACKFILL FOR PIPE ZONE BEDDING". OF THE STANDARD SPECIFICATIONS, OR CONCRETE IF SPECIFIED.
FOUNDATION GRAVEL, IF REQUIRED (SEE NOTE 2.)

FLEXIBLE PIPE BEDDING

SEE ABOVE FOR TRENCH WIDTH
HAND COMPACT BACKFILL
COMPACTED BEDDING GRAVEL PER SECTION 9-03.16, "BEDDING MATERIAL FOR THERMOPLASTIC PIPE" OF STANDARD SPECIFICATIONS, OR CONCRETE IF SPECIFIED.
PVC PIPE
FOUNDATION GRAVEL, IF REQUIRED (SEE NOTE 2.)

CONCRETE ENCASEMENT

SEE ABOVE FOR TRENCH WIDTH
CONCRETE, 2000 PSI (SEE NOTE 3.)
FOUNDATION GRAVEL, IF REQUIRED (SEE NOTE 2.)

DETENTION PIPES WITH UNDERDRAINS (SEE NOTE 4.)

RIGID OR FLEXIBLE PIPE BEDDING (PER ABOVE).
FILTER FABRIC ABOVE GRAVEL BACKFILL FOR DRAINS. PROVIDE 12" MIN. OVERLAP AT SEAMS.
GRAVEL BACKFILL FOR DRAINS PER SECTION 9-03. 12(4) OF THE STANDARD SPECIFICATIONS FROM BOTTOM OF UNDERDRAIN PIPE TO SPRINGLINE OF DETENTION PIPE.
UNDERDRAIN PIPE (TYP.) 6" MIN. PERF. PER STANDARDS (SEE NOTE 5.).
FOUNDATION GRAVEL, IF REQUIRED (SEE NOTE 2.)

NOTES:

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

2. EXCAVATE UNSTABLE MATERIAL DOWN TO FIRM SOIL AND REPLACE WITH FOUNDATION GRAVEL PER SECTION 9-03.9(1), "BALLAST", OF THE STANDARD SPECIFICATIONS

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

4. WHEN THE DESIGN OF TANKS OR PIPES DOES NOT TAKE INTO ACCOUNT BOUYANCY, UNDERDRAINS SHALL BE PROVIDED.

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

City of Bellevue SURFACE WATER UTILITIES

TITLE
PIPE BEDDING

JULY, 1998 NO SCALE

NO. D-46