MANHOLE MUST HAVE A
MINIMUM OF ONE PRECAST
CONCRETE ADJUSTING RING.

FIRST SAFETY STEP 18"
MAX. DISTANCE BELOW
THE COVER PER STANDARD
DETAIL S-13

NEW MANHOLE
ADJUSTMENT
SECTION AND CONE

CAST-IN-PLACE
CONCRETE COLLAR
AROUND SEAM

EXISTING MANHOLE
TO BE ADJUSTED

SIZE AND SHAPE
OF KEY VARIES

CUT KEY OFF BOTTOM
OF NEW SECTION, IF
NEEDED

NOTES:
1. MANHOLE SHALL CONFORM TO THE GENERAL NOTES AND ALL APPLICABLE REQUIREMENTS OF STANDARD
DETAIL S-1.
2. WHERE DEPTH OF MANHOLE WITH CONCENTRIC CONE EXCEEDS 5 FEET, ADJUST MANHOLE TO GRADE BY INSTALLING
NEW ECCENTRIC CONE AND BARREL SECTION ON EXISTING MANHOLE BASE SECTION.
3. WHERE KEY SECTIONS OF NEW AND EXISTING MANHOLES ARE NOT COMPATIBLE, CUT KEY OFF BOTTOM OF NEW
SECTION AND PROVIDE A CAST-IN-PLACE CONCRETE COLLAR AROUND MANHOLE PERIMETER. CAST COLLAR WITH
3000 P.S.I CONCRETE.
4. UPWARD ADJUSTMENT OF EXISTING MANHOLES MUST BE DONE WITH ALL NEW PARTS, AS NECESSARY, TO ENSURE
ONLY ONE INCOMPATIBLE SEAM.
5. SAFETY STEPS IN PRECAST BASE SECTION
MAY BE CAST IN PLACE OR A
PREFabricated Ladder Grouted Or
Bolted In Place. See STANDARD
DETAIL S-13.
6. GROUT ALL JOINTS INSIDE, OUTSIDE AND IN
BETWEEN TO ACHIEVE WATERTIGHT
CONSTRUCTION. FINISH SMOOTH THE
INSIDE OF STRUCTURE. USE NON-SHRINK
GROUT ONLY.

City of Bellevue
SEWER UTILITIES

TITLE
MANHOLE CONE ADJUSTMENT
(CONCENTRIC TO ECCENTRIC)

JANUARY 2012
NO SCALE

NO. S-10