



- ZINC ANODE INSTALLATION (TYP.) 5
SCALE : N.T.S. C05

MINIMUM DISTANCE FROM FITTING TO UNDISTURBED GROUND

VERTICAL THRUST BLOCKS THRUST COMPENSATED
FOR BY MASS OF CONCRETE (m3)

NOTES:

1. SEE THRUST BLOCK CONFIGURATIONS.
2. THESE TABLES ARE BASED ON SOIL SUPPORTING CAPACITIES OF 100 kPa AND AN INTERNAL PIPE PRESSURE OF 1035 kPa. WHERE DIFFERENT SUPPORTING CAPACITIES OR INTERNAL PRESSURES ARE ENCOUNTERED, CONTACT AREAS SHOULD BE CALCULATED BY THE DESIGN ENGINEER, AND SHOULD INCLUDE AN APPROPRIATE FACTOR OF SAFETY.



1. WATERTIGHT SEAL RING BETWEEN SECTIONS.
2. LIFT HOLES IN PRECAST SECTIONS TO BE GROUTED WITH CEMENT MORTAR PRIOR TO PLACING GRANULAR BACKFILL.
3. IF FINAL GRADE ADJUSTMENT EXCEEDS 150 MM IN HEIGHT, REBAR MUST BE INCORPORATED IN THE RAISED SECTION.
4. IN ADDITION TO O-RING GASKETS, JOINTS IN PRECAST SECTIONS SHALL BE SEALED WITH 25 mm BUTYL RESIN OR THE COMPOUND SHALL BE PLACED ON THE UPPER INSIDE LEDGE OF THE JOINT PRIOR TO PLACEMENT OF THE SUBSEQUENT SECTION.
5. BACKFILL SHALL BE GRANULAR A MATERIAL EXTENDING A MIN. OF 300 mm OUTWARD FROM STRUCTURE AND VERTICALLY FROM BEDDING MATERIAL TO UNDERSIDE OF ROADBED GRAVELS.
6. "A-LOK" OR APPROVED "O" RING GASKETS SHALL BE THOROUGHLY CLEANED, THEN COVERED GENEROUSLY WITH LUBRICANT SPECIFIED BY THE PIPE MANUFACTURER.
7. CAST IN PLACE GRADE ADJUSTMENT TO BE COMPLETED WITH AIR ENTRAINED 40 MPa CONCRETE OR AN APPROVED NON-SHRINK GROUT.

