



## CONVENTIONAL DOGHOUSE STYE

### NOTES:

- A. BEDDING FOR BASE SHALL BE EQUAL TO BEDDING FOR PIPE, EXCEPT IF PIPE IS PLACED ON NATIVE MATERIAL USE SIX (6") INCH MINIMUM CRUSHED ROCK UNDER BASE.
- B. INVERT CHANNELS AND SHELF SHALL BE POURED IN THE FIELD PER SULFATE RESISTANT SPECIFICATIONS.
- C. STRAIGHT RUN MANHOLES SHALL HAVE CONTINUOUS PIPE THRU MANHOLE. TURNING MANHOLES REQUIRE ELEVATION DROP BETWEEN FLOW LINES. PIPE JOINTS SHALL BE LOCATED OUTSIDE OF MANHOLE.
- D. REINFORCEMENT STEEL SHALL BE GRADE 60 CONFORMING TO ASTM A615.
- E. EACH MANHOLE PIPE ENTRANCES SHALL HAVE TWO (2) GASKET ELASTOMERIC SEALS PER PIPE ENTRANCE CONFORMING TO ASTM F-477.
- F. CONCRETE COLLARS SHALL BE PLACED ON INTERIOR AN EXTERIOR SIDE OF MANHOLES.
- G. CONCRETE PLACED OVER PIPE INTERIOR TO MANHOLE SHALL EXTEND SIX (6") INCHES FROM WALL ALONG PIPE AND BE AT LEAST FOUR (4") INCHES THICKNESS AT MINIMUM ON TOP OF PIPE.
- H. CONCRETE PLACED OVER PIPE EXTERIOR TO MANHOLE SHALL EXTEND TWELVE (12") INCHES FROM WALL ALONG PIPE AND BE AT LEAST TWELVE (12") INCHES THICKNESS AT MINIMUM ON TOP OF PIPE.
- I. CONTRACTOR SHALL PLACE FORM MATERIALS (AS PRACTICAL AS POSSIBLE) FORMING CONCRETE COLLARS PRIOR TO CONCRETE PLACEMENT, AND CONSOLIDATE WITH VIBRATORY DEVICE.
- J. OVERSIZE OPENING CLEARANCE. MINIMUM: 1.5", MAXIMUM: 3.0" FROM 9 O'CLOCK TO 3 O'CLOCK POSITIONS. CLEARANCES GREATER THAN THREE (3") INCHES SHALL BE REJECTED, OR HAVE APPROVAL OF ENGINEER.
- K. CONCRETE BASE AND STUB WALLS SHALL BE POURED IN ONE OPERATION.