Manhole Frame and Cover
Heavy Duty: Neenah R-1642A or Equal
Watertight: Neenah R-1916-F or Equal

Concrete Adjusting Rings
Limited to (3) Rings.
Maximum Combined Height of 12". Rings Must be Butyl Rubber Coated With Plastic Wrap Cover.

Set Barrel Joints With Gasket
Equal to ASTM C-443 And On Minimum of 1" Wide Kent Seal

Butyl Rubber Coating With .8 Mil Plastic Wrap Cover At All Joints And Lift Holes Typical: 12" Wide

Remove Manhole Steps If Requested By Utility

Poured In Place Concrete Base

Minimum Reinforcing of 12" Slab #5 Rebar @12" EW

6" Minimum Compacted #8 Stone

NOTE: DOGHOUSE MANHOLES ARE ONLY ALLOWED ON A CASE BY CASE BASIS AS APPROVED BY THE UTILITY

Kent Seal or Equal Between Casting, Adjusting Rings and Manhole Section

All Manhole Sections Must Have Minimum 10 Mil Bituminous Coating Applied to Entire Exterior.

Existing Sanitary Sewer To Be Protected and Supported During Excavation

Contractor Shall Seal Opening Around Pipe With Non-Shrink Grout

City of Carmel Utilities
Standard Details
Title: DOGHOUSE MANHOLE
Date: January 2016 Scale: Not To Scale
Drawing: CS 5 Page 8