

ROTATED SECTION

TYPE A

APPROVED 1-28-19

Nitah Nalud
CITY ENGINEER

REVISED: 11 JAN 2019

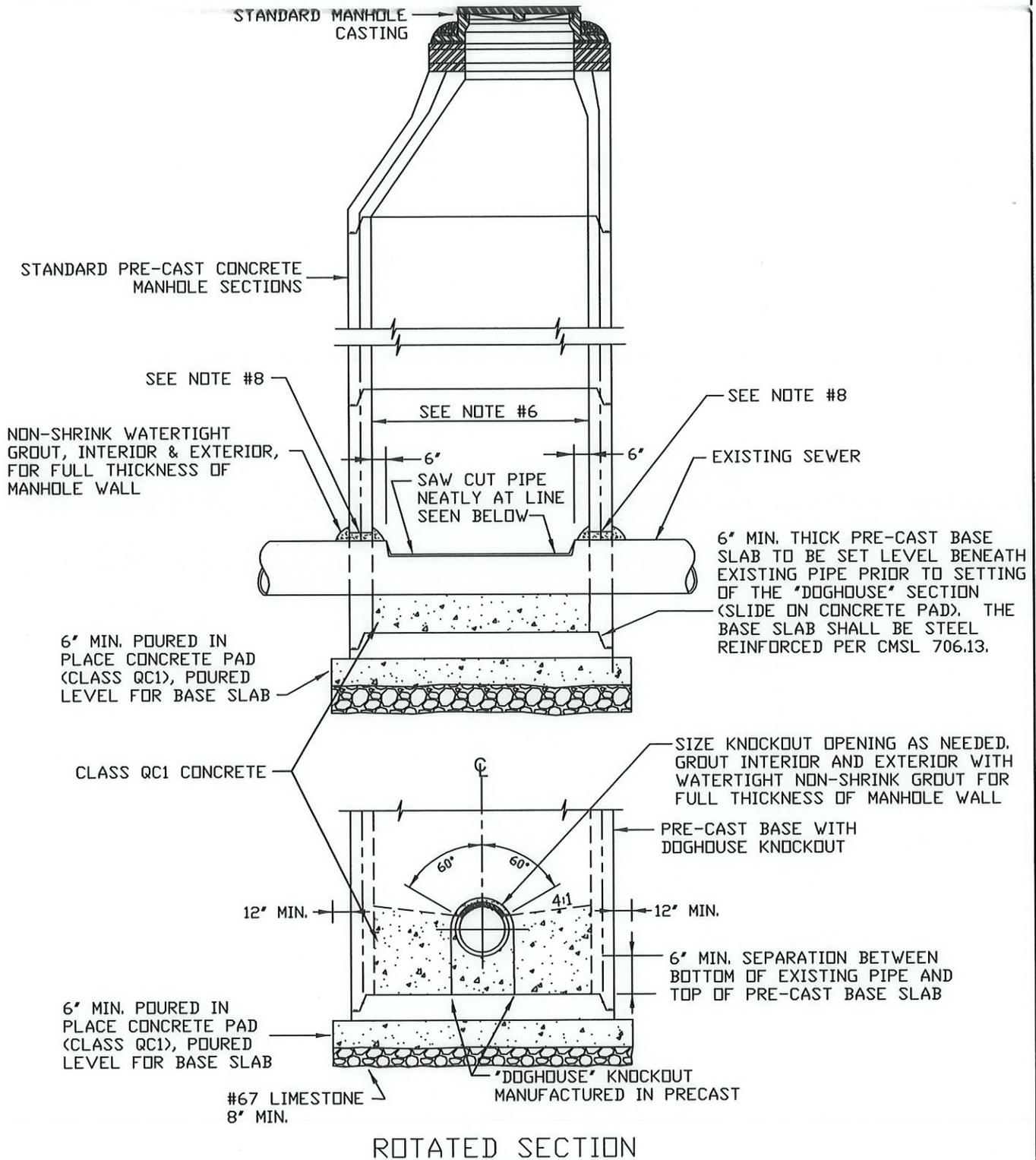
TYPICAL DOGHOUSE
MANHOLE
6" THRU 42" PIPE

CITY OF LANCASTER, OHIO
DEPARTMENT OF ENGINEERING

STANDARD
CONSTRUCTION DRAWING

DWG. BY: ...DLD...
CHK'D BY: ...SWW...

FILE NUMBER
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TYPE B

APPROVED 1-28-19

Mitch Woluf
CITY ENGINEER

REVISED: 11 JAN 2019

TYPICAL DOGHOUSE
MANHOLE
6" THRU 42" PIPE

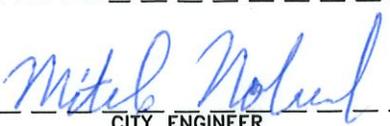
CITY OF LANCASTER, OHIO
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STANDARD
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NOTES:

1. SANITARY DOGHOUSE MANHOLES SHALL BE VACUUM TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF CMSL 901.20(D) PRIOR TO CUTTING THE EXISTING SEWER. IF THE VACUUM TEST FAILS, THE CONTRACTOR SHALL DETERMINE WHETHER THE FAILURE WAS CAUSED BY ANY LEAK(S) IN THE EXISTING SEWER. THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR FIXING ANY LEAK(S) IN THE EXISTING SEWER, BUT ANY OTHER LEAK(S) SHALL BE REPAIRED IN A MANNER SATISFACTORY TO THE ENGINEER AND RETESTED UNTIL LEAKAGE IS WITHIN THE ALLOWABLE LIMITS OR LIMITED SOLELY TO THE EXISTING SEWER.
2. ALL NEW MANHOLES SHALL CONFORM TO THE REQUIREMENTS OF THE CMSL AND VARIOUS APPLICABLE CITY OF LANCASTER STANDARD CONSTRUCTION DRAWINGS.
3. THE EXCAVATION FOR TYPE B DOGHOUSE MANHOLES SHALL BE LARGE ENOUGH TO ALLOW ADEQUATE SPACE TO SLIDE THE PRE-CAST BASE UNDER THE EXISTING SEWER. ALL COSTS RELATED TO THE EXCAVATION SHALL BE INCLUDED IN THE BID PRICE FOR THE CONSTRUCTION OF THE DOGHOUSE MANHOLE. THE CONTRACTOR SHALL NOT BE DUE ANY ADDITIONAL COMPENSATION FOR ANY EXCAVATION THAT IS NECESSARY TO ACCOMMODATE THE PLACEMENT OF THE PRE-CAST BASE.
4. ALL NEW PIPING CONNECTED THROUGH THE MANHOLE WALLS SHALL BE SEALED WITH A GASKET EMBEDDED IN THE PRE-CAST, OR BY A NEOPRENE BOOT, OR BY ANOTHER METHOD FIRST APPROVED BY THE CITY ENGINEER.
5. THE CENTERLINE OF THE MANHOLE SHALL BE LOCATED OVER THE CENTERLINE OF THE MAIN SEWER, WHENEVER POSSIBLE.
6. WHEN THE EXISTING SEWER HAS A DIAMETER OF 6"-27", A FOUR FOOT (4') DIAMETER MANHOLE BASE SHALL BE UTILIZED. WHEN THE EXISTING SEWER HAS A DIAMETER OF 30"-42", A FIVE FOOT (5') DIAMETER MANHOLE BASE SHALL BE UTILIZED.
7. THE EXISTING SEWER SHALL BE SUPPORTED FROM ABOVE WITH SLINGS DURING ALL PHASES OF CONSTRUCTION. SLINGS ARE TO BE REMOVED ONLY AFTER CONCRETE BACKFILL WITHIN THE STRUCTURE HAS CURED.
8. FOR SANITARY SEWERS, PRIOR TO THE PLACEMENT OF CONCRETE AND GROUT A SIKA HYDROTITE DSS (OR APPROVED EQUAL) WATERSTOP SHALL BE INSTALLED BOTH AROUND THE EXISTING PIPE(S) AND ALONG THE PERIMETER OF THE KNOCKOUT OPENING(S) AT THE LOCATION(S) WHERE THE PIPE(S) WILL PENETRATE THE DOGHOUSE MANHOLE WALL. THE WATERSTOPS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

APPROVED <u>1-28-19</u>  CITY ENGINEER	TYPICAL DOGHOUSE MANHOLE 6" THRU 42" PIPE	CITY OF LANCASTER, OHIO DEPARTMENT OF ENGINEERING STANDARD CONSTRUCTION DRAWING
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