



WATERTIGHT SEWER MANHOLE FRAME AND COVER (SEE COUNTY APPROVED PRODUCT LIST, APPENDIX F), FLUSH IN PAVED AREAS AND 2-1/2" ABOVE THE FINISH GRADE IN UNPAVED AREAS (24" MINIMUM DIAMETER)

CAST IRON FRAME AND COVER (TYP)  
PLAN

MINIMUM OF TWO PRECAST CONCRETE OR HDPE RISER RINGS OR BRICK AND MORTAR (3 COURSES MAXIMUM) BETWEEN MANHOLE AND CAST IRON FRAME (TYP)

PAVEMENT

TEE WITH CLEAN-OUT

3" OR LARGER PVC PIPES (TYP). USE SEALING ELEMENT (SEE COUNTY APPROVED PRODUCT LIST, APPENDIX F) ON INLET AND OUTLET PIPES WITH STAINLESS STEEL HARDWARE

CORED OR FORMED CIRCULAR OPENING (TYP)

PRECAST CONCRETE GREASE INTERCEPTOR

6" MINIMUM

2 1/2"

2" VENT  
WATER LEVEL

DEPTH AS REQUIRED FOR FIRST CHAMBER TO HAVE 2/3 OF TOTAL LIQUID CAPACITY. MINIMUM LIQUID DEPTH = 42"

1/3 OF LIQUID DEPTH

5" MINIMUM

DEPTH AS REQUIRED FOR SECOND CHAMBER TO HAVE 1/2 OF LIQUID CAPACITY OF FIRST CHAMBER

SEAL AROUND PIPE WITH NON-SHRINK GROUT  
CONCRETE WALL (4" MINIMUM)

6" MINIMUM

UNPAVED AREA  
PLASTIC JOINT SEALING COMPOUND (SEE COUNTY APPROVED PRODUCT LIST, APPENDIX F) AND GROUT (TYP)

TEE WITH CLEAN-OUT

18"

4" OUTLET

SECTION

12" #57 STONE

NOTES:

- GREASE INTERCEPTOR SHALL COMPLY WITH STRUCTURAL REQUIREMENTS APPLICABLE TO SEPTIC TANKS EXCEPT THAT THE INLET INVERT SHALL DISCHARGE A MINIMUM 2-1/2 INCHES ABOVE THE LIQUID LEVEL LINE AND THE OUTLET PIPE SHALL HAVE A TEE WITH A MINIMUM DIAMETER OF FOUR (4) INCHES THAT EXTENDS TO WITHIN 8 INCHES OF THE BOTTOM OF THE TANK.
- INTERCEPTOR MUST BE LOCATED SO AS TO PROVIDE EASY ACCESS FOR ROUTINE INSPECTION AND CLEANING.
- WHERE A GREASE INTERCEPTOR IS REQUIRED, ONLY KITCHEN WASTEWATER SHALL FIRST PASS THROUGH THE INTERCEPTOR AND THEN BE DISCHARGED INTO THE FIRST COMPARTMENT OF A SEPTIC TANK OR OTHER APPROVED SYSTEM.
- SIZING OF GREASE INTERCEPTORS SHALL BE BASED ON THE DETAIL WW-18A EQUATIONS. THE MINIMUM VOLUME OF ANY GREASE INTERCEPTOR SHALL BE 750 GALLONS AND THE MAXIMUM VOLUME OF A SINGLE GREASE INTERCEPTOR SHALL BE 1250 GALLONS. WHEN THE REQUIRED EFFECTIVE CAPACITY OF THE GREASE INTERCEPTOR IS GREATER THAN 1250 GALLONS, INSTALLATION OF GREASE TRAPS IN SERIES IS REQUIRED.
- KEYED JOINT SEALED WITH BUTYL RUBBER.