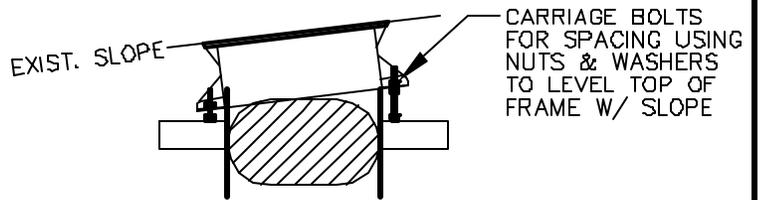


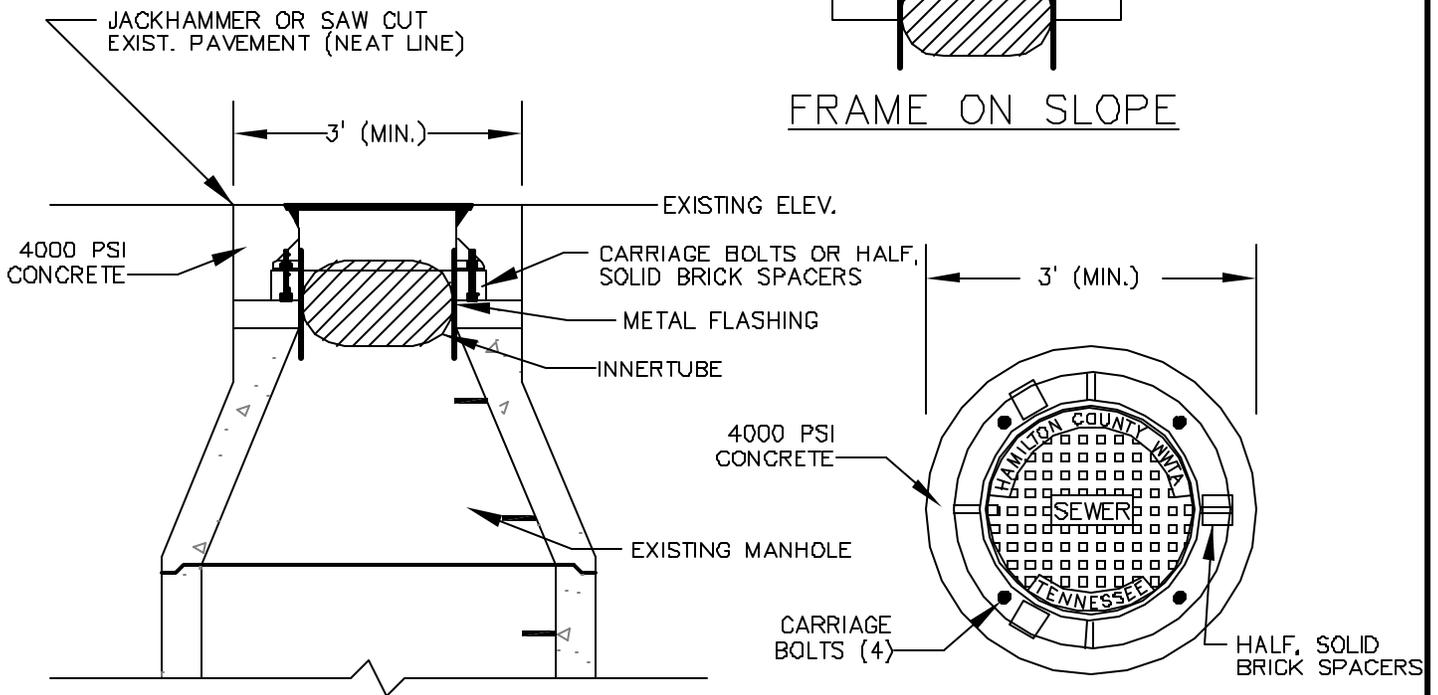
PROCESS STEPS

1. ALL CONSTRUCTION RELATED TO RAISING MANHOLE FRAMES AND COVERS SHALL BE PERFORMED AS SPECIFIED ON THIS DETAIL. ANY DEVIATION REQUIRED BASED ON SPECIFIC SITE CONDITIONS SHALL BE APPROVED BY THE WASTEWATER SUPERINTENDENT PRIOR TO ANY WORK BEING DONE.
2. JACKHAMMER OR SAW CUT NEAT LINE OUTSIDE OF EXISTING FRAME 5" TO 8" AND CLEAN OUT UNDER MANHOLE FRAME.
3. INSPECT FOR LOOSE OR MISSING BRICK AND REPAIR AS NEEDED USING MORTAR MIX.
4. AFTER ALL NEEDED REPAIRS ARE MADE. PLACE MANHOLE FRAME AT REQUIRED HEIGHT USING 1/2" BOLTS AND NUTS THROUGH HOLES IN FRAME. IF NEEDED, HALF, SOLID BRICK SPACERS MAY BE USED EVERY 120° (3 PLACES). BRICK SPACERS SHALL NOT PERTRUDE INTO MANHOLE OPENING. IF THERE ARE NO HOLES IN THE EXISTING MANHOLE FRAME FOR THE CARRIAGE BOLTS, ONLY BRICK SPACERS WILL BE USED.
5. AFTER FRAME IS SECURE AT GRADE, USE FLASHING TO SEAL OFF CONCRETE IF INNERTUBE WILL NOT SEAL OFF EFFECTIVELY. INFLATE INNERTUBE SECURLY TO ELIMINATE CONCRETE FROM ENTERING MANHOLE.
6. POUR 4,000 PSI CONCRETE AND FINISH TO PROPER GRADE AND PROTECT FROM TRAFFIC AS NEEDED TO ALLOW ADEQUATE CURING. IF NO SPACE IS AVAILABLE FOR TRAFFIC FLOW DURING CURE, THEN TRAFFIC FLOW MAY BE REROUTED UNTIL CONCRETE HAS BEEN PROPERLY CURED. IF TRAFFIC FLOW CAN NOT BE REROUTED, STEEL PLATES MAY BE USED UNTIL PROPER CURING HAS BEEN ACHIEVED.

NOTE: MOST MANHOLES WILL NEED RAISING 1" TO 6"



FRAME ON SLOPE



FRAME AND COVER
AFTER PAVING

PLAN - FRAME AND COVER
ACHESON FOUNDRY (STANDARD) A-2024-81H
ACHESON FOUNDRY (WATER-TIGHT) A-2624-71H
OR APPROVED EQUAL

STANDARD DETAIL AND PROCESS
FOR RAISING MANHOLE FRAMES

HAMILTON COUNTY WATER & WASTEWATER TREATMENT AUTHORITY

REVISED 12/14/05