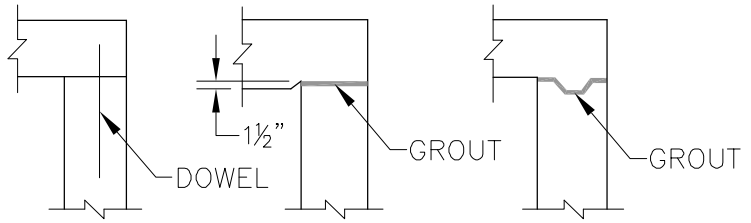


1. MANHOLE TOP MAY BE OF CAST-IN-PLACE OR PRECAST CONCRETE CONSTRUCTION OR BRICK CONSTRUCTION. FOR CONCRETE CONSTRUCTION, THE CONCRETE AND STEEL REINFORCEMENT SHALL BE THE SAME AS THE SUPPORTING WALL UNIT. AN ECCENTRIC CONE MAY BE USED.
2. MANHOLE TOPS SHALL BE SECURED TO STRUCTURES BY OPTIONAL CONSTRUCTION JOINTS AS SHOWN BELOW.



3. ALL GROUTED JOINTS ARE TO HAVE A MAXIMUM THICKNESS OF 1".
4. KEYWAYS ARE TO BE A MINIMUM OF 1 1/2" DEEP.
5. JOINT DOWELS ARE TO BE #4 BARS, 12" LONG WITH A MINIMUM OF 6 BARS PER JOINT APPROXIMATELY EVENLY SPACED FOR CIRCULAR STRUCTURES OR 2 BARS PER SIDE AT APPROXIMATE QUARTER POINTS FOR RECTANGULAR. BARS ARE TO BE PLACED APPROXIMATELY 6" INTO FRESH CONCRETE LEAVING THE REMAINDER TO EXTEND INTO THE SECONDARY CAST.
6. MINIMUM COVER ON REINFORCING BARS IN 1 1/2".
7. JOINTS BETWEEN WALL SEGMENTS AND TOP SLAB MAY BE SEALED EITHER BY PREFORMED PLASTIC GASKET MATERIAL OR BY GROUT.
8. APPROVED PRODUCT INSERTS MAY BE USED IN LIES OF DOWEL EMBEDMENT. COMPLY WITH FDOT DESIGN STANDARDS OF JAN. 2004 INDEX #201.

REVISED: OCT-2009	<b>STORMWATER SYSTEM - MANHOLE TOP</b>	STANDARD DETAIL
ISSUED: OCT-2009	<b>CITY OF WEST PALM BEACH ENGINEERING SERVICES DEPT.</b>	ST-1