

**NOTE 10. & FOLLOWING, CONTINUED FROM GN-1**

- A. COMPACTION OF BACKFILL SHALL BE ACCORDING TO ASTM 1557 AND SHALL BE 98% WITHIN RIGHT OF WAY OF UNDER STRUCTURES; 95% ALL OTHER BACKFILL.
  - B. UNLESS OTHERWISE SPECIFIED, FURNISH CONCRETE WITH TYPE II PORTLAND CEMENT. ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS TO BE 3000 PSI FOR WALKS, CURBS, GUTTERS, DRIVEWAYS AND SIMILAR CONSTRUCTION; 4000 PSI FOR ALL OTHER WORK.
  - C. UNLESS OTHERWISE SPECIFIED, MAXIMUM SLUMP SHALL BE 5". CYLINDER TEST AND PAYMENT THEREFORE SHALL BE AS INDICATED IN THE SPECIFICATIONS.
  - D. CAST-IN-PLACE CONCRETE SHALL CONFORM TO PERTINENT STANDARDS OF THE AMERICAN CONCRETE INSTITUTE (ACI) AND THE AMERICAN SOCIETY OF TESTING MATERIALS (ASTM).
11. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. WELDED WIRE MESH SHALL CONFORM TO ASTM A185. BENDS AND PLACEMENT SHALL CONFORM TO PERTINENT STANDARDS OF ACI AND ASTM.
  12. ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A MINIMUM 3/4" CHAMFER.
  13. NO UTILITIES SHALL BE PLACED CLOSER THAN 5 FT. HORIZONTALLY CLEAR FROM OTHER UTILITY LINES. NOR LESS THAN 12 INCHES VERTICALLY.
  14. WATER MAIN CROSSING FORCE MAIN SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 12 INCHES BETWEEN THE OUTSIDE OF THE FORCE MAIN AND THE OUTSIDE OF THE WATER MAIN, WITH WATER MAIN CROSSING OVER THE FORCE MAIN.
  15. ALL SANITARY MANHOLES, AIR RELEASE VALVE VAULTS AND WETWELLS SHALL BE COATED OUTSIDE WITH 2 DIFFERENT COLORED COATS OF BITUMASTIC, COAL TAR EPOXY OR APPROVED EQUAL. INSIDE SHALL BE COATED WITH 2 DIFFERENT COATS OF 100% SOLIDS EPOXY, OR APPROVED EQUAL. ALL COATING MATERIALS SHALL BE LISTED IN THE W.P.B. APPROVED PRODUCTS LIST, AND APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. WATER MAIN A.R.V. VAULTS TO BE COATED WITH BITUMASTIC, COAL TAR EPOXY OR APPROVED EQUAL AS STATED ABOVE.
  16. WARRANTY: ALL MATERIAL AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR SHALL BE WARRANTED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE THEREOF AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP. UPON RECEIPT OF NOTICE FROM THE CITY OF FAILURE OF ANY PART OF THE WARRANTED EQUIPMENT OR MATERIALS DURING THE WARRANTY PERIOD, THE AFFECTED PART, PARTS OR MATERIALS SHALL BE PROMPTLY REPLACED BY THE CONTRACTOR WITH NEW PARTS OF MATERIALS AT NO EXPENSE TO THE CITY. IN THE EVENT THE CONTRACTOR FAILS TO MAKE THE NECESSARY REPLACEMENT OF REPAIRS IMMEDIATELY AFTER NOTIFICATION, THE CITY MAY ACCOMPLISH THE WORK AT THE EXPENSE OF THE CONTRACTOR.
  17. ALL STORM, SANITARY, WATER OR FORCE MAIN PIPE SHALL BE LAID IN A CLEAN, DRY TRENCH. DEWATERING AS REQUIRED SHALL BE AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL MAKE ALL INSTALLATION PURSUANT TO THE FLORIDA TRENCH ACT. DISCHARGE WATER SHALL NOT BE DIRECTED THROUGH THE PIPE BEING LAID.
  18. ALL PIPE AND FIRTINGS UP TO 20" WILL HAVE A LINE OF VLU E PAINT OR BLUE TAPE THE FULL LENGTH OF THE NEW RUN ON TOP OF THE PIPE. 24" AND LARGER PIPE WILL HAVE A LINE OF BLUE POINT OR BLUE TAPE THE FULL LENGTH OF THE NEW RUN ON TOP OF THE PIPE AND ON BOTH SIDES.

REVISED: SEPT-2009	<b>GENERAL NOTES - APPLICABLE TO MOST PUBLIC UTILITIES DEPARTMENT PROJECTS.</b>	STANDARD DETAIL
ISSUED: SEPT - 2009		<b>CITY OF WEST PALM BEACH ENGINEERING SERVICES DEPT.</b>