



**PLAN VIEW  
CAST/BUILT IN PLACE STRUCTURE  
OVER EXISTING PIPING**  
NO SCALE

**PLAN VIEW  
PRECAST STRUCTURE  
OVER EXISTING PIPING**  
NO SCALE

**SECTION AA**  
NO SCALE  
SEE NOTE #2

**NOTES**

1. PRECAST DIMENSIONS AND ELEVATIONS SHALL BE DETERMINED FROM TEST PIT INFORMATION AND A SHOP DRAWING SHALL BE SUBMITTED AND APPROVED BY THE CITY ENGINEER BEFORE STRUCTURE FABRICATION. THE Q STATION AND OTHER LOCATION INFORMATION FOR THE STRUCTURE SHALL BE GIVEN ON THE CONTRACT DOCUMENTS. STRUCTURES SHALL ALSO BE POSITIONED IN SUCH A MANNER AS TO PROVIDE A 3'-0" MINIMUM WIDE UNOBSTRUCTED INSIDE WALL FACE FOR LADDER RUNG INSTALLATION AND ACCESS. REFER TO PLATE SD-012 FOR LADDER RUNG INFORMATION.
2. THE EXISTING STORM DRAIN PIPING SHALL BE SUPPORTED ON GRADE WITH CONCRETE BRICK OR SOLID CONCRETE BLOCK AND WILL BE ENCASED IN MD DEPT. OF TRANS. S.H.A. MIX NO. 2 CONCRETE (3,000 PSI) TO THE SPRINGLINE OF THE PIPE, TO THE FLOOR SLAB SUBGRADE, AND BETWEEN THE STRUCTURE AND UNDISTURBED EARTH. THE NEW STRUCTURE SHALL ALSO BE SUPPORTED BY CONCRETE BRICK OR SOLID CONCRETE BLOCK WHICH WILL BECOME PART OF THE FLOOR SLAB CONCRETE. REFER TO THE APPROPRIATE STORM DRAIN STANDARD DETAIL PLATES FOR THE FLOOR SLAB CONSTRUCTION AND OTHER INFORMATION FOR THE TYPE OF STRUCTURE PROPOSED.
3. THE PIPE OPENING IN THE PRECAST "DOG HOUSE" STRUCTURE SHALL PROVIDE 2" CLEARANCE TO EXISTING PIPING AND SHALL BE SEALED WITH HYDRAULIC CEMENT. PIPING SHALL PROTRUDE NO MORE THAN 3" PAST THE INSIDE FACE OF STRUCTURES.
4. REFER TO PLATE SD-010 FOR ADDITIONAL INFORMATION AND TO SD-011 FOR BACKFILL AND COMPACTION NOTES.



CITY OF HAGERSTOWN, MARYLAND – ENGINEERING AND INSPECTIONS DEPARTMENT

**STORM DRAIN STANDARD DETAIL  
STRUCTURES BUILT OVER  
EXISTING STORM DRAIN PIPE**

ISSUE DATE: 01-01-03	
REVISIONS	
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_____	_____
<b>Plate SD-044</b>	