PRINCE GEORGE COUNTY
DEPARTMENT OF PUBLIC UTILITIES

PLAN

(A) OUTSIDE STEM AND YOKE GATE VALVE
(B) DOUBLE CHECK VALVE ASSEMBLY
(C) OUTSIDE STEM AND YOKE GATE VALVE
  (D) 2 1/2" THREADED N.S.T. SIAMESE
       CONNECTION FOR FIRE DEPARTMENT
       W/AUTOMATIC BALL DRIP
  (E) REQUIRED (MAIN LINE SIZE) " X 4"
  (F) 4" CHECK VALVE
  (G) 4" = 90° BEND
  (H) JD–2AL 4" X 4' BILCO DOOR, OR AS
      MANUFACTURED BY VA. SPRINKLER COMPANY,
      OR APPROVED EQUAL.
  (I) SUMP WHERE WATER TABLE IS A PROBLEM OR
      GRAVITY DRAIN WHERE WATER TABLE IS NOT
      A PROBLEM.
  ** BYPASS LINE W/DETECTOR METER & BACKFLOW
       PREVENTER

*WHERE A TYPICAL 3" FIRE LINE DOES
  NOT REQUIRE A SIAMESE CONNECTION,
  ITEMS (D) THRU (G) DOES NOT APPLY.

TOP OF GROUND

EXTERIOR
Mastic or
Bituminous
Coating

3.5' MIN.

12" MIN.

** BLOWUP DETAIL A
SEE SHT. 2 OF 2

FOR ADDITIONAL INFORMATION ON REVIEW, DESIGN AND
CONSTRUCTION, SEE PART IV, & PART V OF THE SPECIFICATIONS.

3" OR LARGER
DOUBLE CHECK ASSEMBLY AND VAULT
USUALLY ON 4” AND LARGER FIRE SUPPRESSION SYSTEMS, THE SIAMESE CONNECTION IS LOCATED INSIDE THE DOUBLE CHECK ASSEMBLY VAULT. UNDER CERTAIN CONDITIONS, THE COUNTY WILL REQUIRE A DOUBLE DETECTOR CHECK ASSEMBLY AS OUTLINED BELOW:

1. WHEN THE ENGINEER IS PROPOSING PRIVATELY MAINTAINED FIRE HYDRANTS TO BE INSTALLED OFF A PRIVATELY MAINTAINED (FIRE SUPPRESSION) WATER LINE,

2. AFTER THOROUGH EVALUATION AND CONSULTATION WITH OTHER COUNTY DEPARTMENTS AND UTILITIES STAFF, THE ENGINEER MAY BE REQUESTED TO SHOW THAT CERTAIN FIRE HYDRANT LINES BE PRIVATELY MAINTAINED RATHER THAN PUBLICLY MAINTAINED, OR

3. UNDER UNUSUAL CIRCUMSTANCES, AND WHEN IT IS DEEMED APPROPRIATE BY COUNTY STAFF THAT A DOUBLE DETECTOR CHECK WOULD BE BENEFICIAL TO THE COUNTY. GENERALLY SPEAKING, THIS WOULD BE A CASE WHERE THERE IS A POTENTIAL FOR ABOVE-AVERAGE WATER LOSS (UNACCOUNTABLE WATER).