



- ① (1) S.O.M. x FIRE LINE ("F") SIZED MECHANICAL JOINT BRANCH SLEEVE AND "F" SQUARE HEAD GATE TAP VALVE WITH RETAINED MECHANICAL JOINT OUTLET AND VALVE BOX COMPLETE.
- ② X FEET "F" DUCTILE IRON CLASS 52 CEMENT LINED PLAIN END x PLAIN END PIPE (CUT TO SUIT). (IF PIPE IS LONGER THAN 1 PIPE LENGTH, THEN THE PIPE IS TO HAVE TYPE II BOLTLESS RESTRAINED PUSH-ON JOINTS).
- ③ (1) "F" x "F" x "D" DUCTILE IRON CLASS 350 CEMENT LINED RETAINED MECHANICAL JOINT TAPPED TEE WITH CONCRETE PIER.
- ④ (1) "F" RETAINED MECHANICAL JOINT, SQUARE HEAD GATE VALVE WITH VALVE BOX COMPLETE.
- ⑤ X FEET "F" PLAIN END x FLANGED DUCTILE IRON CLASS 52 CEMENT LINED PIPE (CUT TO SUIT).
- ⑥ OPTIONAL (1)-THREADED REDUCING BUSHING
- ⑦ X FEET "D" THREADED END x THREADED END TYPE "K" COPPER.
- ⑧ (1)-THREADED BRASS 90° ELBOW.
- ⑨ X FEET "D" THREADED END x THREADED END TYPE "K" COPPER.
- ⑩ (1)-"D" THREADED TYPE ORISEAL CURB VALVE WITH VALVE BOX COMPLETE.
- ⑪ X FEET "D" TYPE "K" COPPER PIPE (CUT TO SUIT).
- ⑫ (1)-APPROVED PRE-CAST FIRELINE VAULT.

"S.O.M." - DENOTES SIZE OF MAIN.  
 "F" - DENOTES NOMINAL PIPE DIAMETER OF FIRE LINE.  
 "D" - DENOTES NOMINAL PIPE DIAMETER OF DOMESTIC LINE.

\*\* METERS IN VAULTS MUST BE ABLE TO BE READ FROM ABOVE WITHOUT ENTRY. IF NO CLEAR LINE OF SITE TO THE METER CAN BE ACHIEVED BY PLACEMENT OF THE ACCESS MANHOLE, AS DETERMINED BY THE DIVISION OF WATER, A 12" DIAMETER VIEWING PORT MUST BE PROVIDED THAT IS CENTERED OVER THE METER FOR READING PURPOSES IN ADDITION TO THE MANHOLE NEEDED FOR ACCESS. CONTRACTOR MAY ORDER PRECAST MANHOLE WITH VIEWING PORT OPENING OR CORE OPENING ONSITE. ALL TRAFFIC BEARING AND NON-TRAFFIC BEARING VAULTS MUST MAINTAIN THEIR DESIGNED STRUCTURAL INTEGRITY AND CASTING SHALL BE SECURE FOR ROAD TRAFFIC. CONTRACTOR IS REQUIRED TO CALL THE PERMITS AND SALES UNIT OF THE DIVISION OF WATER AT 216-664-2444 EXT. 5206 FOR INSPECTION OF ANY VAULT SET.

\* CURB VALVES MUST BE LOCATED IN THE RIGHT OF WAY

<b>STANDARD DETAILS</b>		
DEPARTMENT OF PUBLIC UTILITIES DIVISION OF WATER CLEVELAND, OHIO		
SUBJECT <u>SINGLE FEED/COMBINATION VAULT</u> <u>DOMESTIC - FIRELINE CONNECTION</u>		
<u>1½' - 2' DOMESTIC/4'-8' FIRELINE</u>		
DRAWN BY <u>RSK</u>	-SCALE-	<b>STD-V06</b>
DATE <u>12-10-2004</u>	<u>NONE</u>	
CHECKED BY _____	DATE <u>2-11-00</u>	