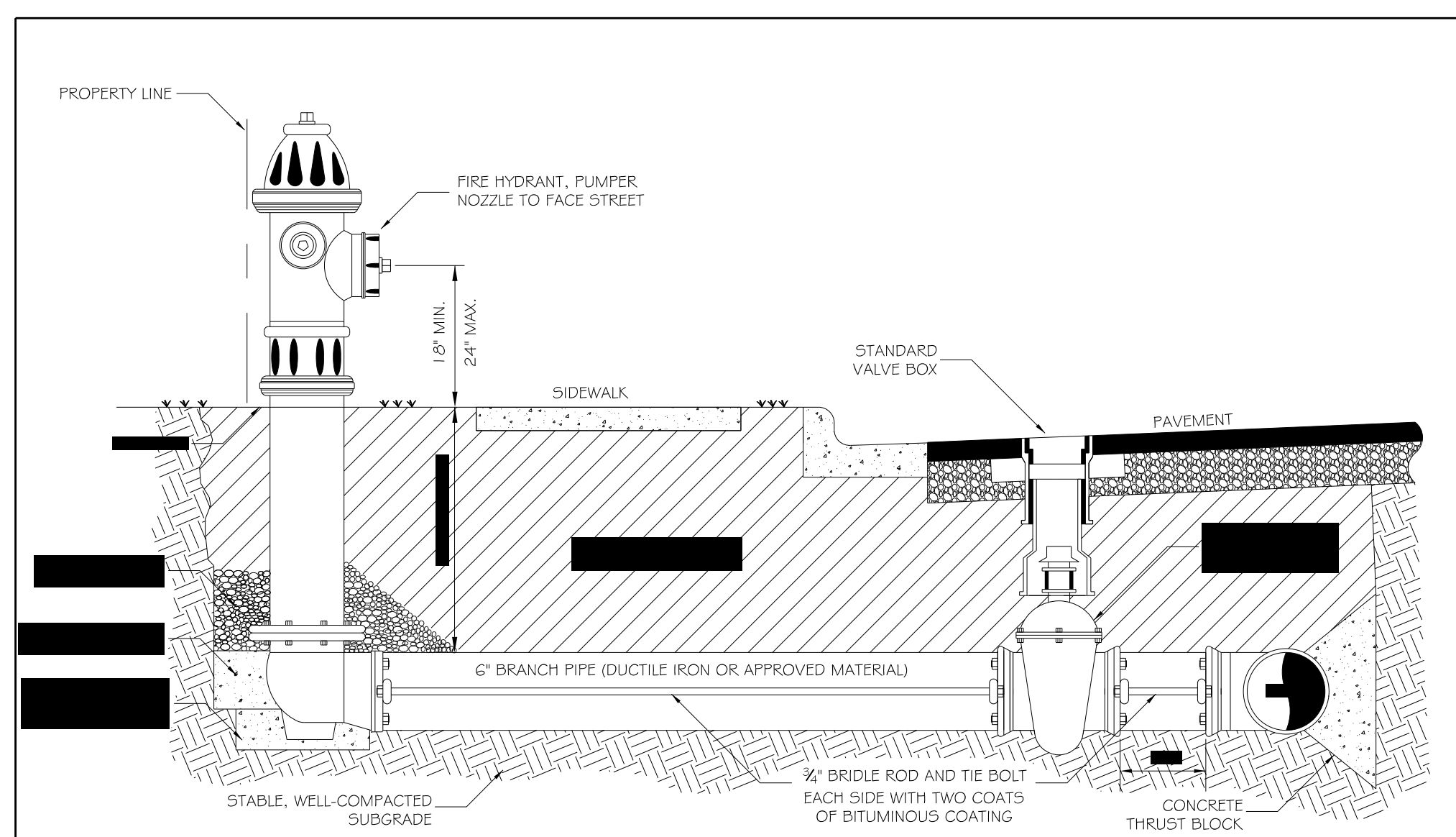


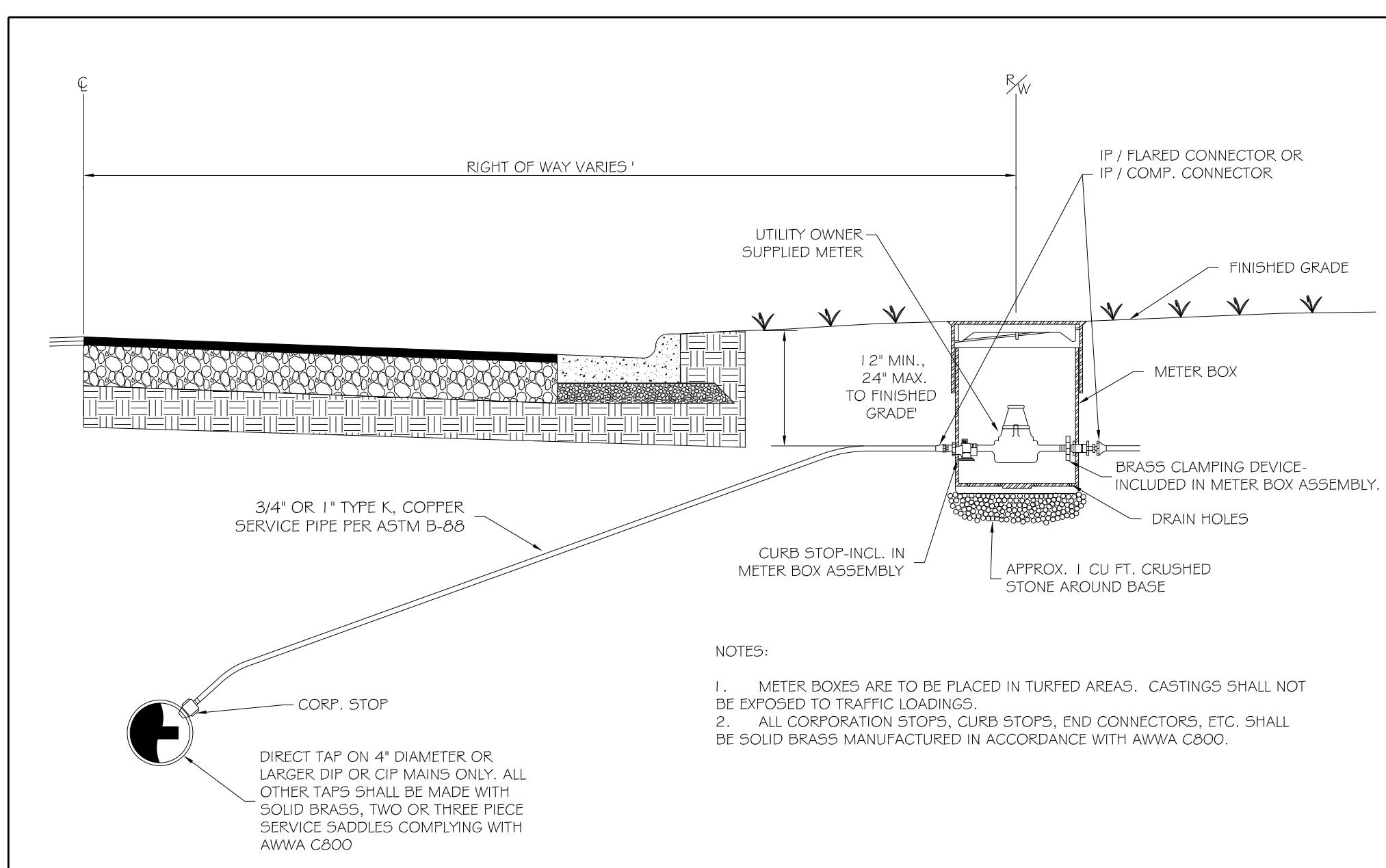
5/14/99

PROJECT REFERENCE NO.	SHEET NO.
U-3330	UC-3G
DESIGNED BY: GJB	
DRAWN BY: GJB	
CHECKED BY: KCZ	
APPROVED BY: KCZ	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	
UTILITY CONSTRUCTION	
DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES ARE COMPLETED	
M A Engineering Consultants, Inc.	

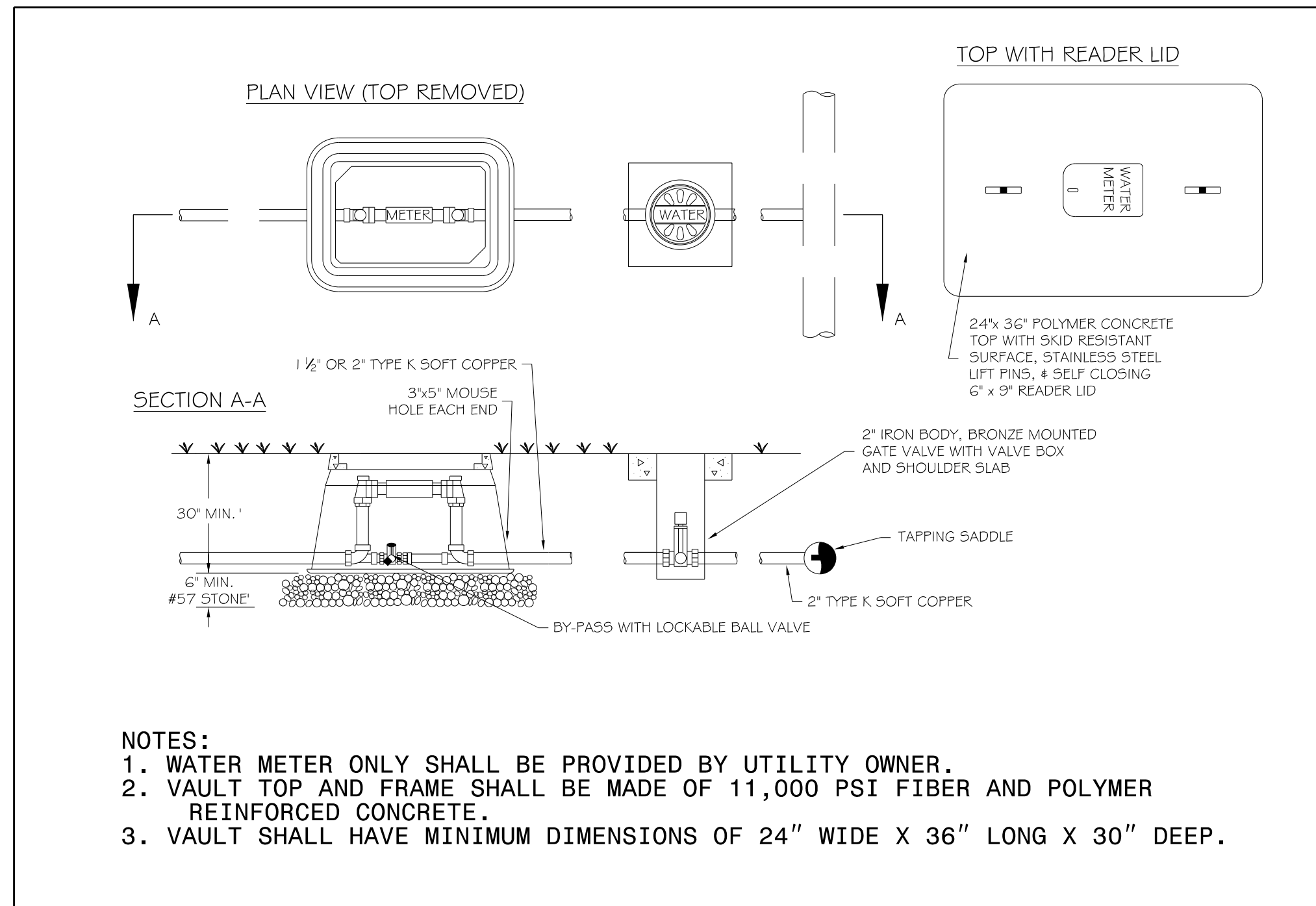


- NOTES:**
1. FOR HYDRANT INSTALLATION ON EXISTING MAIN, USE TAPPING SLEEVE AND VALVE ASSEMBLY.
 2. HYDRANT SHALL HAVE REPLACEABLE BRONZE NOZZLES WITH NATIONAL STANDARD THREADS, BREAK-AWAY TRAFFIC FEATURE, AND BRONZE ON BRONZE SEAT RINGS.
 3. HYDRANT SHALL HAVE PENTAGON SHAPED (5 SIDED) OPERATING NUT.
 4. HYDRANT SHALL BE PAINTED WITH RUSTOLEUM #964 FEDERAL SAFETY RED.
 5. NOZZLE CAPS AND BONNET SHALL BE PAINTED ALERT SERIES 1440 SILVER WHITE.
 6. HYDRANT SHALL BE OILED OR GREASED AS RECOMMENDED BY MANUFACTURER AFTER INSTALLATION.
 7. CLASS A CONCRETE BLOCKING SHALL BE PLACED BEHIND BOTH THE TEE AND HYDRANT.
 8. IN LIEU OF THREADED BRIDLE RODS, APPROVED GRIP RING OR LOCKING FLANGE CONNECTIONS MAY BE USED. BOTH GRIP RINGS AND LOCKING FLANGES SHALL BE UL LISTED AND F.M. APPROVED WITH A WORKING PRESSURE OF NOT LESS THAN 350 PSI WITH A MINIMUM SAFETY FACTOR OF 2:1. LOCKING FLANGE CONNECTIONS SHALL ONLY BE PERMITTED WHERE PROPER PLACEMENT AND GRADE ADJUSTMENT CAN BE PROVIDED, AS APPROVED BY UTILITY OWNER.

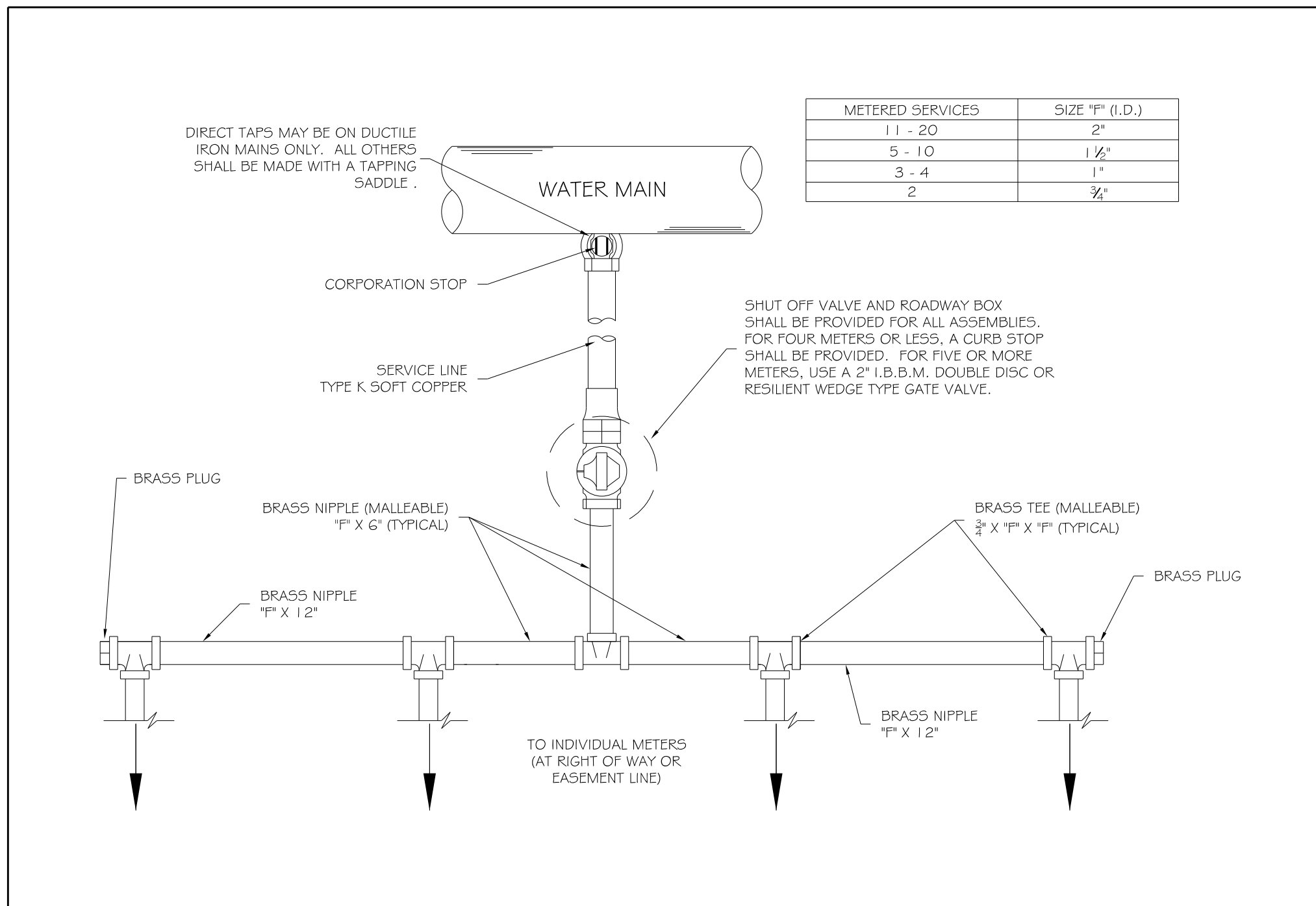
FIRE HYDRANT DETAIL



5/8" X 3/4" AND 1" WATER SERVICE DETAIL



1-1/2" AND 2" STANDARD WATER METER VAULT DETAIL



STANDARD GANG METER ASSEMBLY DETAIL

5/14/99