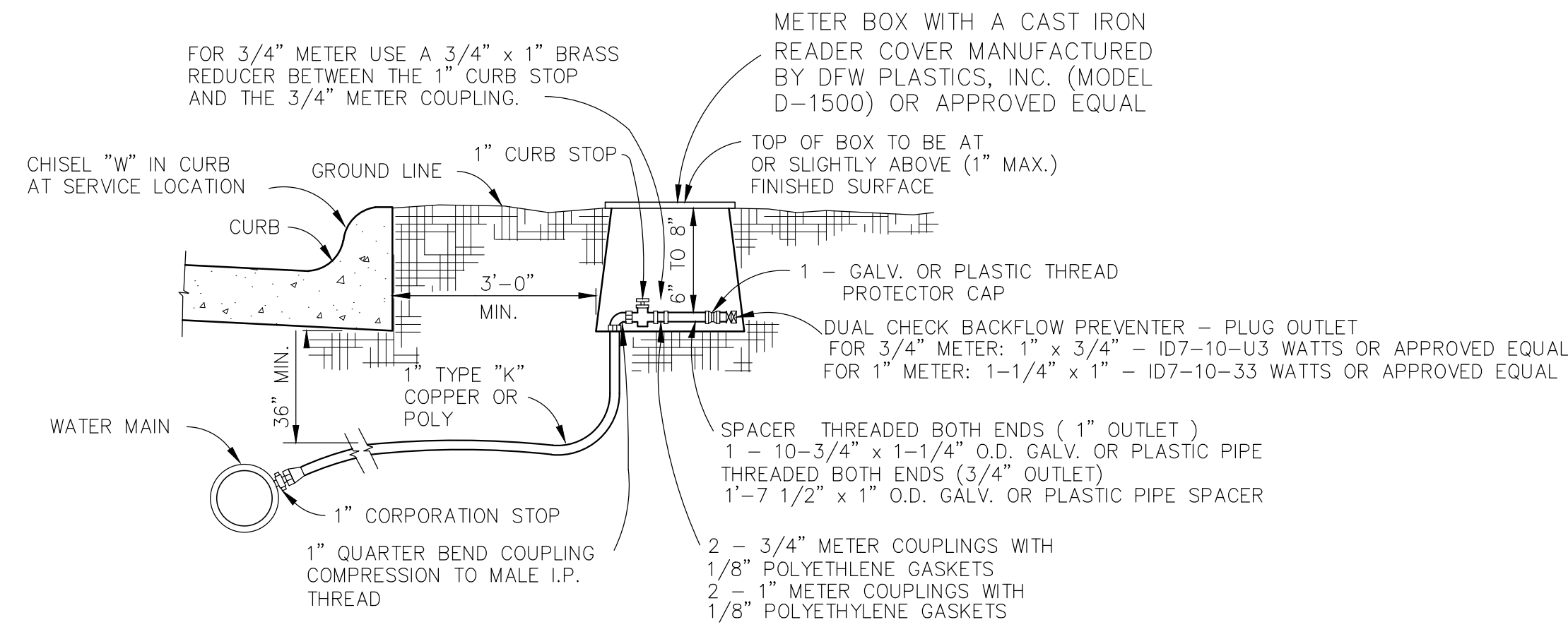
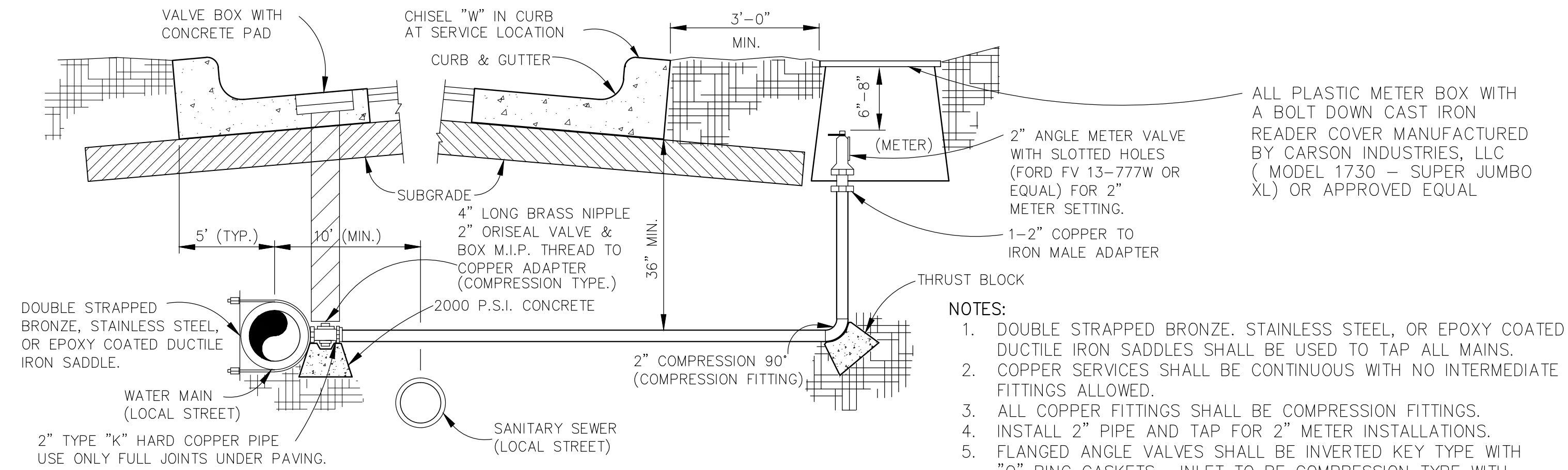


NOTES:

1. FINAL INSTALLATION IS SHOWN. AFTER THE SERVICES HAVE BEEN INSTALLED BUT PRIOR TO PLACEMENT OF METER BOXES, THE END OF EACH SERVICE SHALL BE MARKED WITH POLYETHYLENE FILM AND A 2"x4" x 2'-6" LONG STAKE PAINTED GREEN AND WHITE. AFTER STREET CONSTRUCTION IS COMPLETED AND THE PARKWAY GRADED, THE WATER AND SEWER CONTRACTOR SHALL INSTALL A METER BOX OVER THE END OF EACH SERVICE.
2. WHERE TAPPING EXISTING MAINS OR PVC WATER MAINS, DOUBLE STRAPPED BRONZE OR STAINLESS STEEL SADDLES SHALL BE USED.
3. CURB STOP SHALL BE "O" RING TYPE WITH FULL PORT OPENING. STOPS SHALL BE FEMALE PIPE THREAD ON EACH END. FURNISH LESS STOP WITH LOCKING EARS.
4. METERS SHALL NOT BE INSTALLED WITHIN EXISTING OR PROPOSED SIDEWALKS OR DRIVEWAYS.

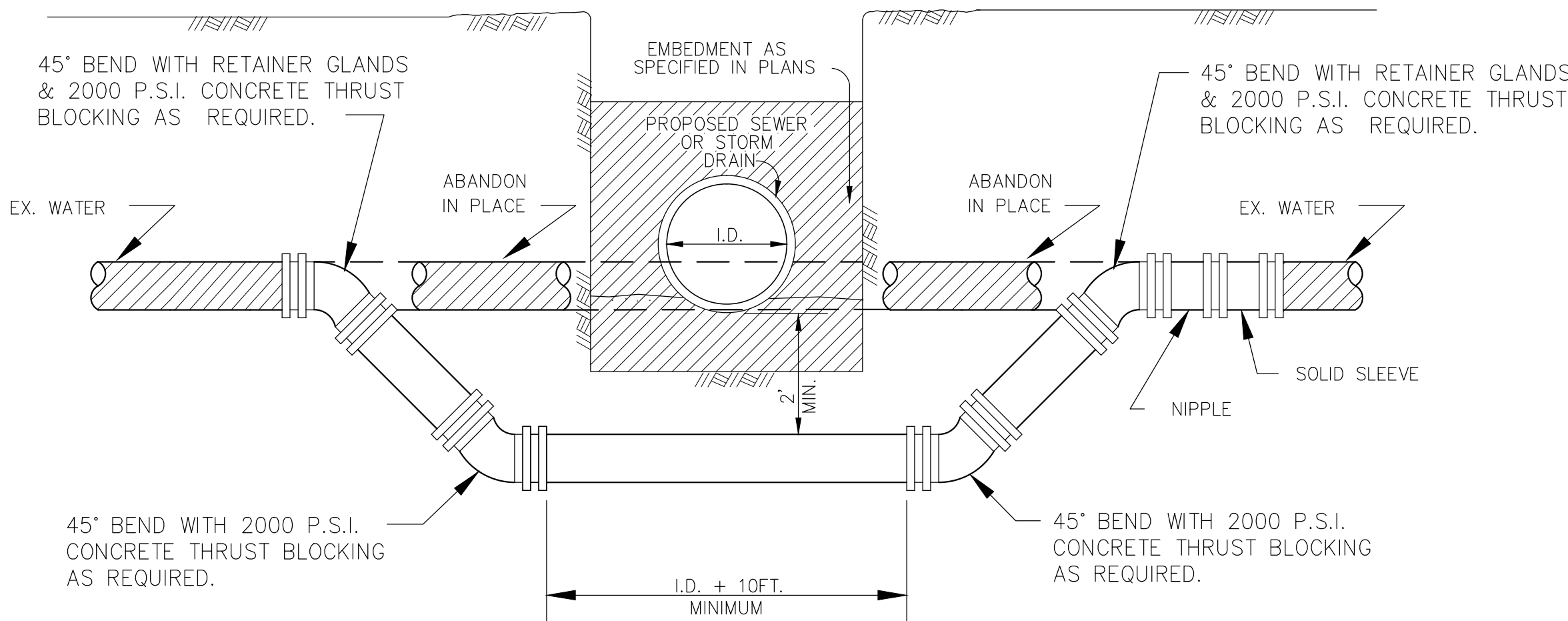


1" WATER SERVICE INSTALLATION (3/4" OR 1" METER)
N.T.S.

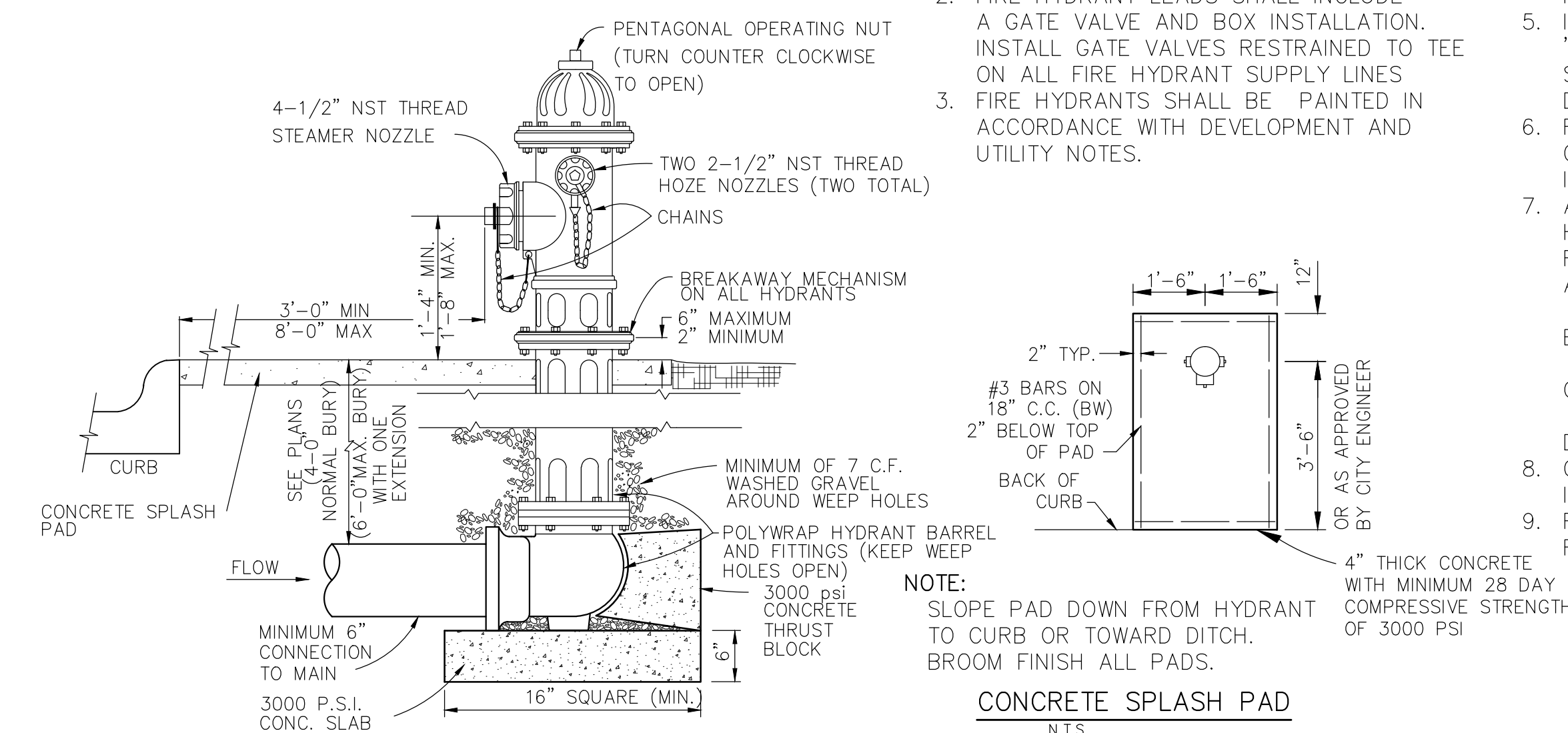


2" WATER SERVICE INSTALLATION (2" METER)
N.T.S.

- NOTES:**
1. DOUBLE STRAPPED BRONZE, STAINLESS STEEL, OR EPOXY COATED DUCTILE IRON SADDLES SHALL BE USED TO TAP ALL MAINS.
 2. COPPER SERVICES SHALL BE CONTINUOUS WITH NO INTERMEDIATE FITTINGS ALLOWED.
 3. ALL COPPER FITTINGS SHALL BE COMPRESSION FITTINGS.
 4. INSTALL 2" PIPE AND TAP FOR 2" METER INSTALLATIONS.
 5. FLANGED ANGLE VALVES SHALL BE INVERTED KEY TYPE WITH "O" RING GASKETS. INLET TO BE COMPRESSION TYPE WITH RESTRAINING DEVICE. OUTLET TO BE FLANGED WITH DROP-IN GASKETS AND BOLT HOLES FOR 2" METERS.
 6. METERS SHALL NOT BE INSTALLED WITHIN EXISTING OR PROPOSED SIDEWALKS OR DRIVEWAYS.



3 WATER MAIN LOWERING



4 TYPICAL FIRE HYDRANT DETAIL AND CONCRETE SPLASH PAD
N.T.S.

- NOTES:**
1. FIRE HYDRANTS SHALL NOT BE INSTALLED IN EXISTING OR PROPOSED SIDEWALKS.
 2. FIRE HYDRANT LEADS SHALL INCLUDE A GATE VALVE AND BOX INSTALLATION. INSTALL GATE VALVES RESTRAINED TO TEE ON ALL FIRE HYDRANT SUPPLY LINES.
 3. FIRE HYDRANTS SHALL BE PAINTED IN ACCORDANCE WITH DEVELOPMENT AND UTILITY NOTES.
 4. COMPLETELY COVER OUT-OF-SERVICE FIRE HYDRANTS WITH BLACK PLASTIC BAG.
 5. INSTALL RESTRAINED OFFSET BENDS OR "GRADELOCK" FITTINGS ON FIRE HYDRANT SUPPLY LINE SO FIRE HYDRANT BURY DEPTH IS NO GREATER THAN SIX FEET.
 6. FIRE HYDRANT TO BE MUELLER SUPER CENTURION 250 WITH AQUAGRIP INTEGRAL RESTRAINTS.
 7. ALL CONNECTIONS BETWEEN FIRE HYDRANT VALVE AND MAIN SHALL BE FLANGED OR M.J. RESTRAINED AS FOLLOWS:
A) SPECIAL MECHANICAL JOINT ANCHORING FITTINGS
B) "GRADELOCK" ANCHOR FITTINGS OR APPROVED EQUAL
C) RETAINER GLANDS USED WITH M.J. BELL FITTINGS
D) SWIVEL BY SOLID ADAPTERS
 8. CONSTRUCTION OF FIRE HYDRANT SHALL BE IN ACCORDANCE WITH CITY DESIGN CRITERIA.
 9. FOR MINIMUM LENGTH OF DEAD END LINE REFERENCE CITY DESIGN CRITERIA.

NOTE: THIS IS SHT. SD-18 OF THE STANDARD CONSTRUCTION DETAILS, ORDINANCE NO. 2013-51 EFFECTIVE DATE: JANUARY 1, 2014

CITY OF MIDLOTHIAN, TEXAS
DEPARTMENT OF ENGINEERING,
UTILITIES, AND PUBLIC WORKS

STANDARD CONSTRUCTION DETAILS
WATER UTILITIES

FIRE HYDRANT & WATER
SERVICE DETAILS

NO:	REVISION:	DATE:	SHEET:
			SD-18

