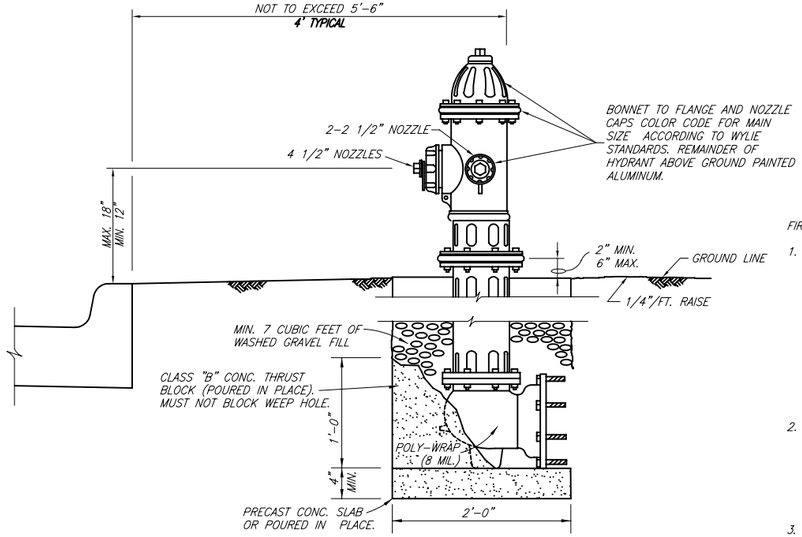


FIRE HYDRANT NOTES:

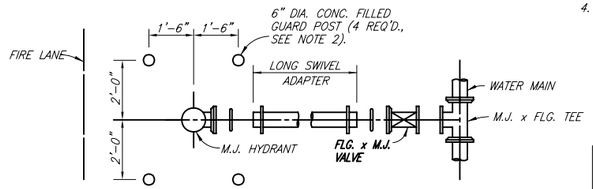
1. IN GENERAL ALL FIRE HYDRANTS SHALL CONFORM TO AWWA STANDARDS SPECIFICATIONS FOR FIRE HYDRANTS FOR ORDINARY WATER WORKS SERVICE FOR WATER AND SANITARY SEWER IMPROVEMENTS. FIRE HYDRANTS SHALL HAVE A 5-1/4" MINIMUM VALVE OPENING AND WITH A BARREL APPROXIMATELY 7" INSIDE DIAMETER. ALL HYDRANTS SHALL BE EQUIPPED WITH A BREAKAWAY FLANGE. NOZZLE SECTION, UPPER AND LOWER STAND PIPES AND HYDRANT BASE SHALL BE DUCTILE IRON. THE UPPER BARREL ABOVE GROUND SHALL BE IN TWO SECTIONS TO ALLOW FOR EASY DISASSEMBLY. ALL HYDRANTS SHALL BE APPROVED BY THE CITY.

2. GUARD POSTS SHALL BE 6 L.F. OF 6" DIA. STEEL PIPE (3' ABOVE & BELOW GROUND LEVEL). POST SHALL BE ENCASED IN 16" DIA. CONC. PIER TO A DEPTH OF 12" BELOW POST BOTTOM. REINF. CONC. PIER WITH 2 NO. 6 BARS (12" LONG) THRU POST INTO PIER. POST ABOVE GROUND LEVEL SHALL BE PAINTED ALUMINUM WITH 2-2 INCH BANDS OF RED AND WHITE REFLECTIVE TAPE.

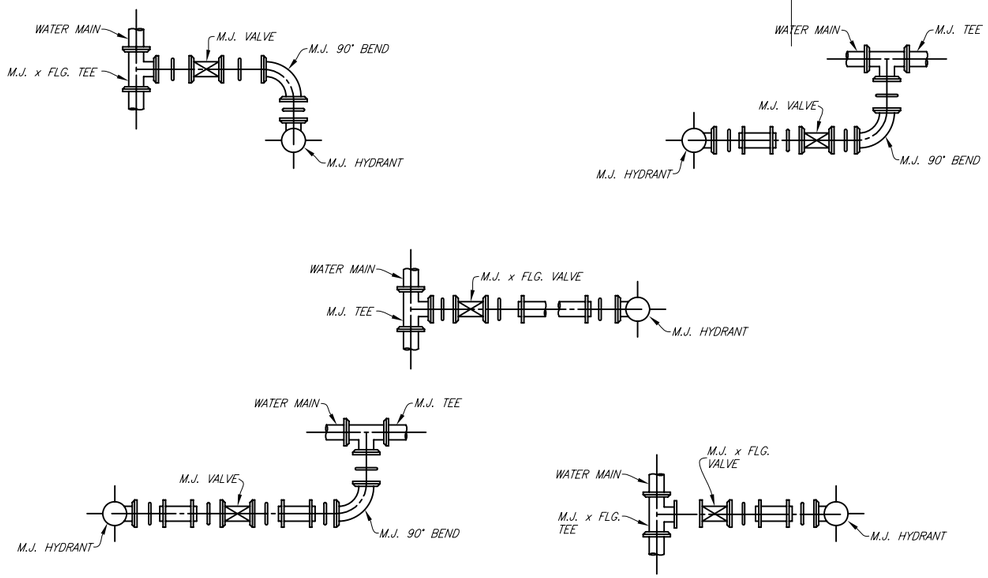
3. BONNET COLOR

WATER MAIN CAP	COLOR
4"	NOT ALLOWED
6"	NOT ALLOWED
8"	BLUE
10"	GREEN
12" OR LARGER	YELLOW

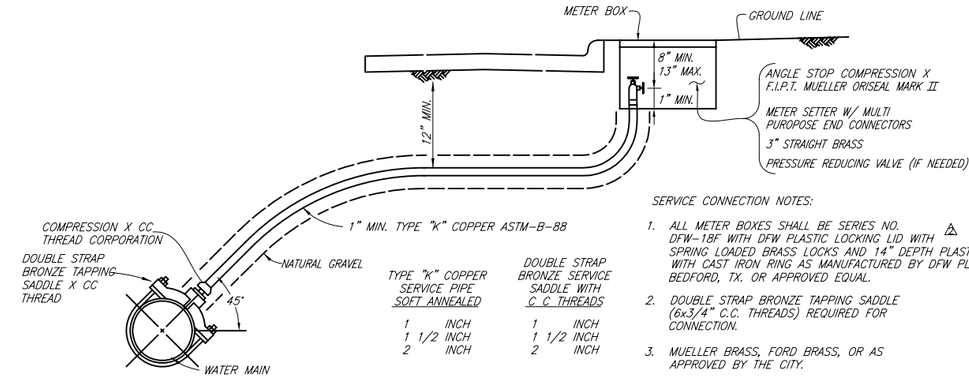
4. ALL HYDRANTS SHALL BE INSTALLED WITH A 24" X 24" SQUARE REINFORCED CONCRETE PAD AND FIRE HYDRANTS SHALL BE WATEROUS, AVK OR APPROVED EQUAL.



TYPICAL FIRE HYDRANT INSTALLATION



TYPICAL FIRE HYDRANT INSTALLATION PLANS

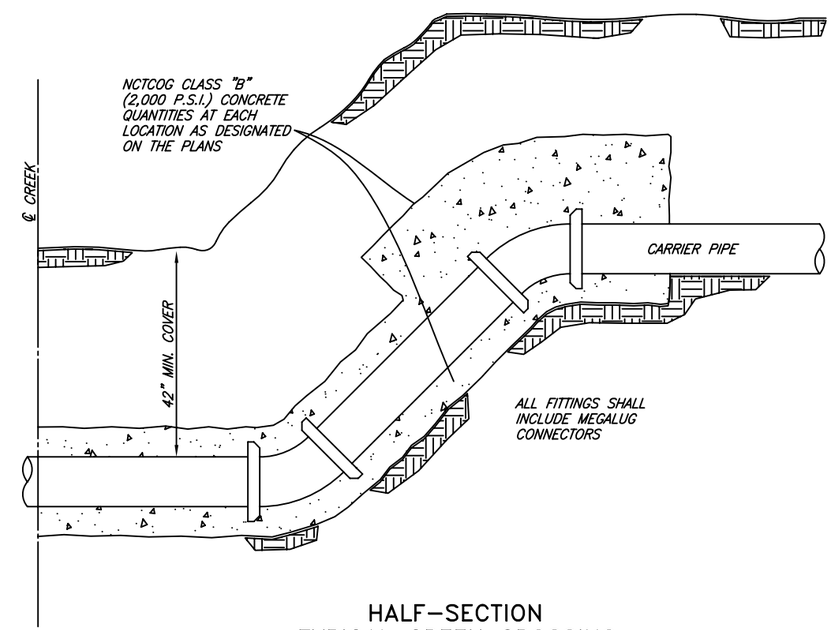


TYPE "K" COPPER SERVICE PIPE SOFT ANNEALED	DOUBLE STRAP BRONZE SERVICE SADDLE WITH C C THREADS
1 INCH	1 INCH
1 1/2 INCH	1 1/2 INCH
2 INCH	2 INCH

SERVICE CONNECTION NOTES:

1. ALL METER BOXES SHALL BE SERIES NO. DFW-1BF WITH DFW PLASTIC LOCKING LID WITH SPRING LOADED BRASS LOCKS AND 14" DEPTH PLASTIC PIT WITH CAST IRON RING AS MANUFACTURED BY DFW PLASTICS, INC. BEDFORD, TX. OR APPROVED EQUAL. △3
2. DOUBLE STRAP BRONZE TAPPING SADDLE (6x3/4" C.C. THREADS) REQUIRED FOR CONNECTION.
3. MUELLER BRASS, FORD BRASS, OR AS APPROVED BY THE CITY.
4. WATER SERVICES SHALL NOT BE CONNECTED TO FIRE HYDRANT LINES.
5. EMBEDMENT FOR SERVICE LINE SHALL BE 6" SAND ALL AROUND OF NATURAL GRAVEL NCTCOG ITEM 504.2.2.5

TYPICAL SERVICE CONNECTION WITH METER BOX



HALF-SECTION
TYPICAL CREEK CROSSING

NO.	REVISION	BY	DATE
3	REVISE FIRE HYDRANT NOTE 4	JCH	03/20/07
2	REVISE WATER METER BOX SPECIFICATION	JCH	06/28/06
1	REVISE WATER METER BOX SPECIFICATION	JCH	10/21/05

CITY OF WYLIE, TEXAS

STANDARD CONSTRUCTION DETAILS

WATER

DATE: APRIL,2005

SHEET STD-14_R