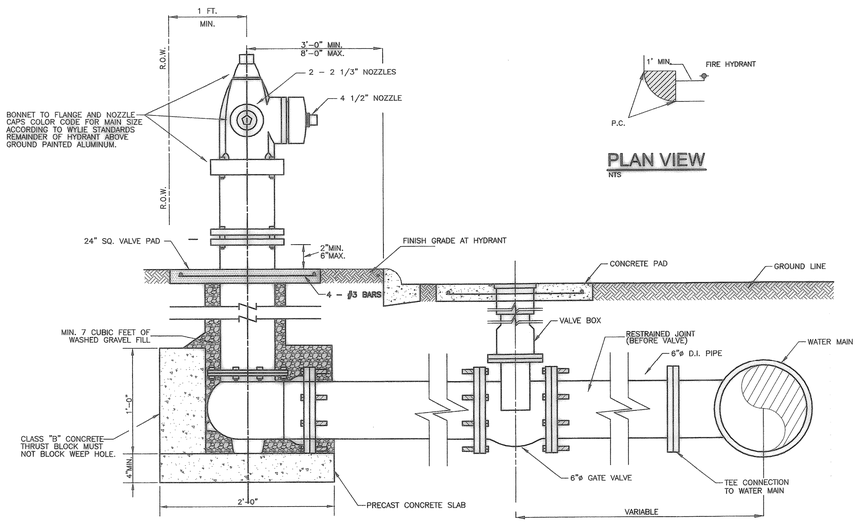


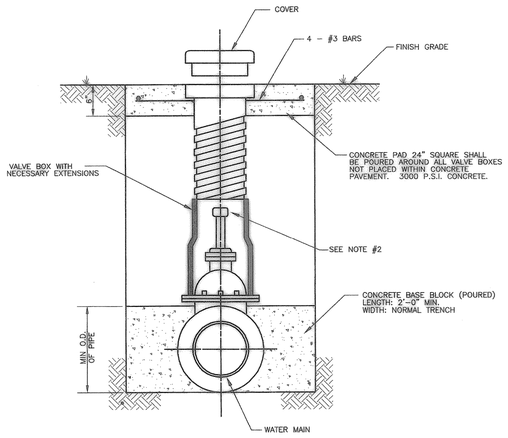
TYPICAL FIRE HYDRANT INSTALLATION
NTS

PLAN VIEW
NTS

NOTE :

1. IN GENERAL, ALL FIRE HYDRANTS SHALL CONFORM TO AWWA STANDARD SPECIFICATIONS FOR FIRE HYDRANTS FOR ORDINARY WATER WORKS SERVICE, C–502 FIRE HYDRANTS SHALL HAVE A 5 1/4" MIN. VALVE OPENING AND BARREL APPROXIMATELY 7" INSIDE DIAMETER. ALL HYDRANTS SHALL BE EQUIPPED WITH BREAKAWAY FLANGE.
2. ALL JOINTS SHALL BE MECHANICAL JOINTS.
3. TYPICAL VALVE: ACTUAL VALVE LOCATION WILL DEPEND ON LOCATION OF WATER MAIN.
4. F.H. NO CLOSER THAN 18" TO EXISTING OR PROPOSED SIDEWALKS.(USUAL)
5. STANDARD BURY DEPTH 5' FEET
6. SET FIRE HYDRANT ON THE LOT LINE EXTENDED WHEN POSSIBLE.
7. F.H. SHALL BE LOCATED MINIMUM 1 FT. OUTSIDE OF THE AREA BETWEEN THE P.C.'S OF THE CORNER TURNING RADII AT INTERSECTIONS. (SEE PLAN VIEW)
8. ALL ANCHOR FITTINGS TO BE CONCRETE THRUST BLOCKED. ALL DUCTILE OR CAST IRON FITTINGS AND OR PIPE TO BE POLYWRAPPED.

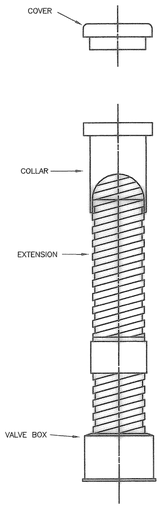
WATER MAIN SIZE	FIRE HYDRANT BONNET COLOR
4"	RED
6"	SILVER
8"	BLUE
10" & LARGER	YELLOW



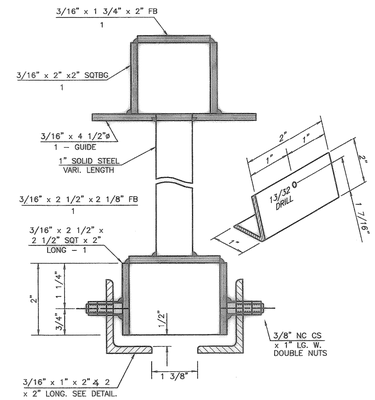
NOTE:

1. 4"–12" R.S. GATE VALVES SHALL BE IN ACCORDANCE WITH AWWA STANDARD C–509
2. A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE THATS OPERATING NUT IS LOCATED IN EXCESS OF 4 FEET BELOW THE TOP OF VALVE BOX. THIS EXTENSION SHALL BE OF SUFFICIENT LENGTH TO INSURE THAT ITS TOP IS WITHIN 4 FEET OF VALVE BOX LID.
3. DUCTILE IRON OR C–900 PVC PIPE SHALL BE USED FOR VALVE STACKS WITH TWO PIECE ADJUSTABLE (SHORTY) VALVE BOXES.
4. BLUE DOT (3") ON NEAREST CURB FACE TO VALVE.

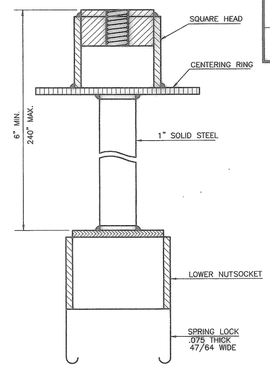
TYPICAL VALVE SETTING AND BOX
NTS



VALVE BOX WITH EXTENSION
NTS

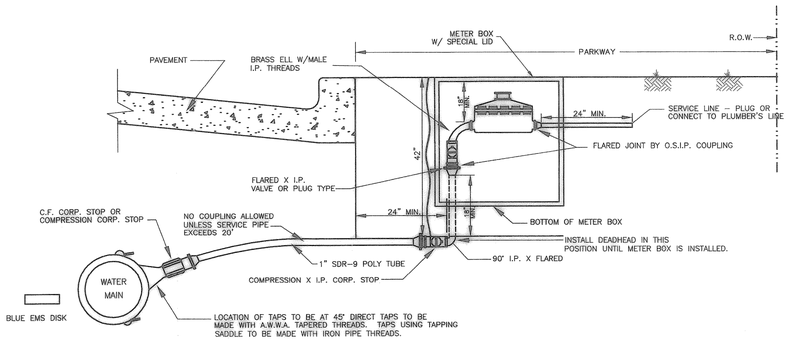


TYPE - B VALVE EXTENSION
NTS

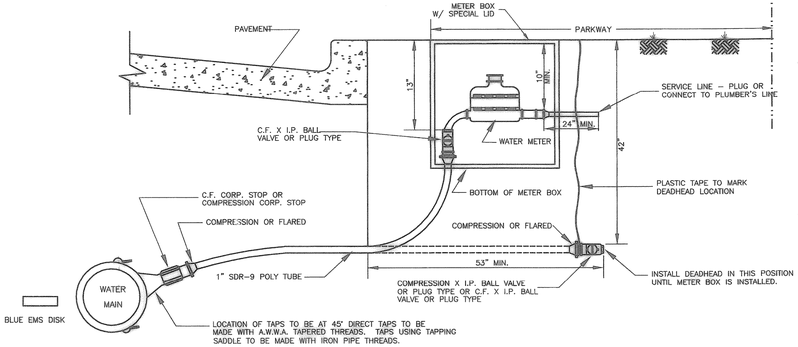


NOTE: TO BE USED ON ALL VALVES DEEPER THAN 4'–0".

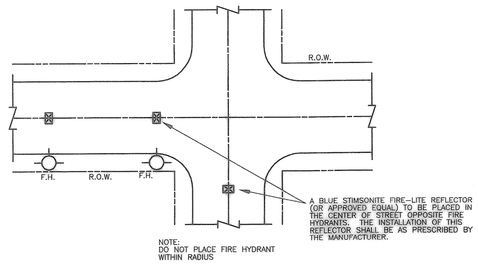
SPRING LOCK VALVE EXTENSION
NTS



WATER SERVICE INSTALLATION 1 1/2" OR 2" LINE
NTS



WATER SERVICE INSTALLATION 3/4" OR 1" LINE
NTS



TYPICAL FIRE HYDRANT REFLECTOR INSTALLATION
NTS

FOR 1" OR SMALLER METER

METER BOX SHALL BE CORRUGATED METAL, 18" DIAMETER, 14" DEEP, SLOTTED FOR SERVICE PIPE FITTED WITH CAST IRON TOP AND LID. LID SHALL BE C.I. BASS & HAYS DOMESTIC MFG. LID WITH #3P HAIRPIN LOCK OR TYLER RING #6200–R & WESTERN IRON WORKS #OWIW 92/20. WATER METER SHALL BE PLACED IN CENTER OF LOT WITH SANITARY SEWER HOUSE CONNECTION LOCATED 10 FEET DOWN STREAM. ALL TAPS SHALL BE MADE AT 45° ANGLE TO L OF PIPE.

NOTE : ANY SERVICE LARGER THAN 1" WILL BE COMPOUND METER TO BE SUPPLIED BY CONTRACTOR.

DOUBLE STRAP BRONZE SERVICE SADDLE WITH C.C. THREADS	BASS & HAYS SLOTTED METER BOX
3/4 INCH	34AS
1 INCH	34AS
1 1/2 INCH	55AS
2 INCH	55AS

TYPICAL SERVICE CONNECTION WITH METER BOX
NTS

RECORD DRAWINGS AS PROVIDED BY:
I.C.S. COMMERCIAL
MICHAEL S. ALLEN, P.E.
DATE: 9/25/03

No.	Date	Revisions	App.

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STATE OF TEXAS
MICHAEL S. ALLEN
86188
LICENSED PROFESSIONAL ENGINEER
3/14/03

La Jolla Pointe Addition
ROCKWALL, TEXAS

UTILITY DETAILS

Scale: NTS
Designed by: MSA
Drawn by: MSA
Checked by: MSA
Date: March 14, 2003
Project No. 018–001

SHEET C–18 OF 25

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