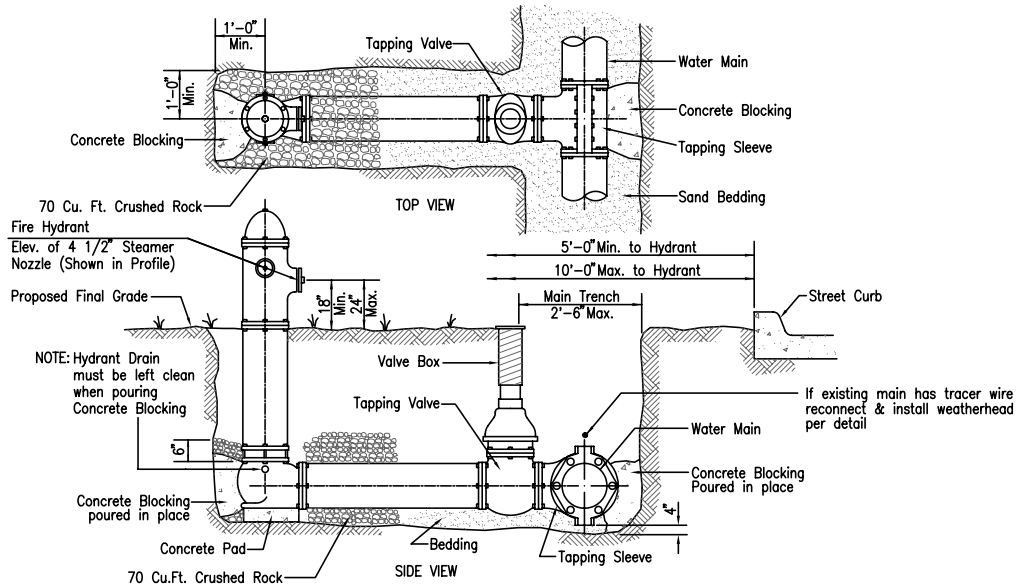
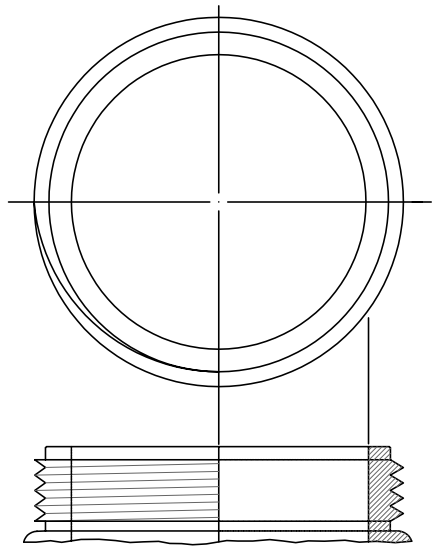
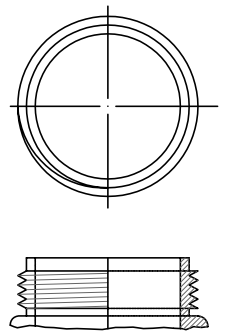


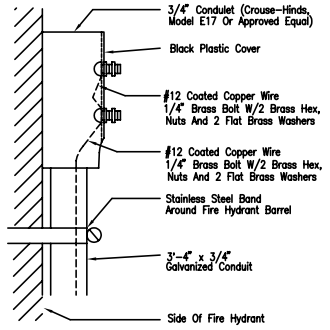
INSTALLATION OF FIRE HYDRANT ON EXISTING MAIN



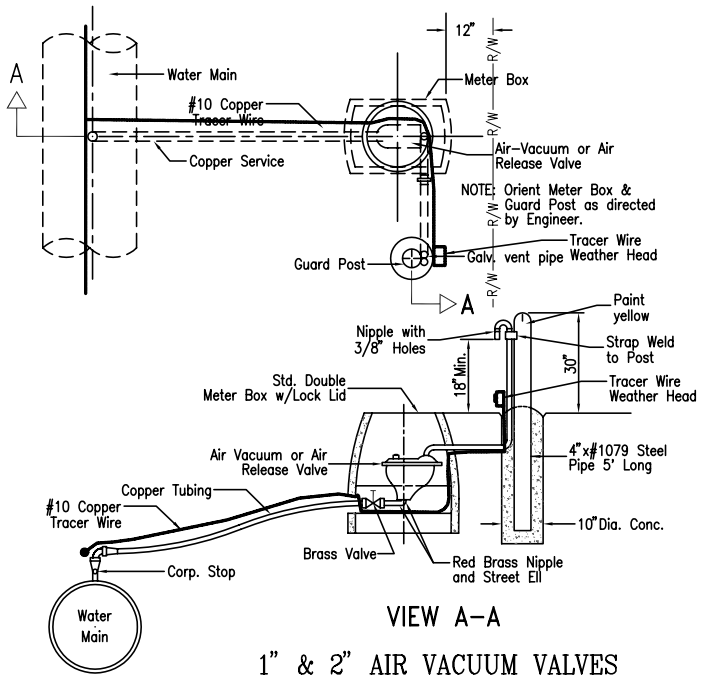


Threads Shall be National Standard Threads

FIRE HYDRANT NOZZLE THREADS

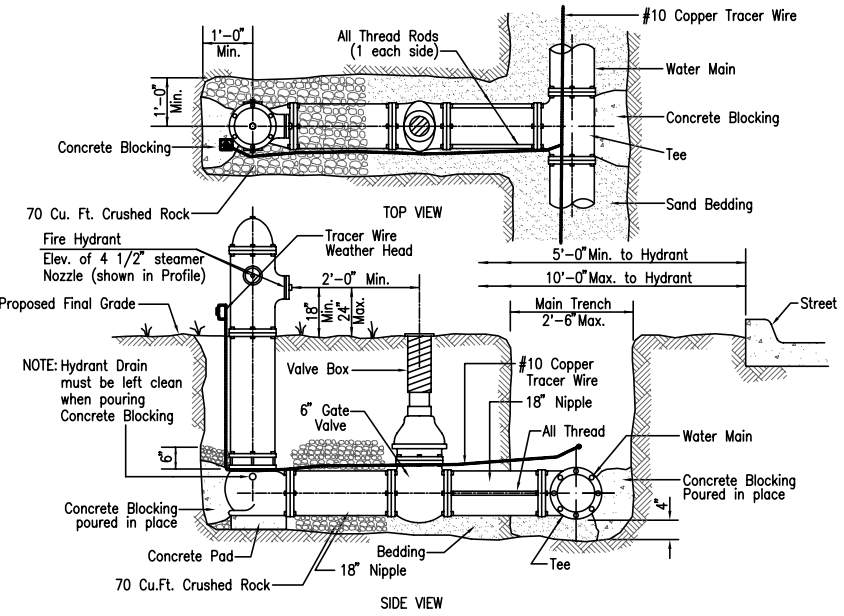


TRACER WIRE WEATHER-HEAD DETAIL

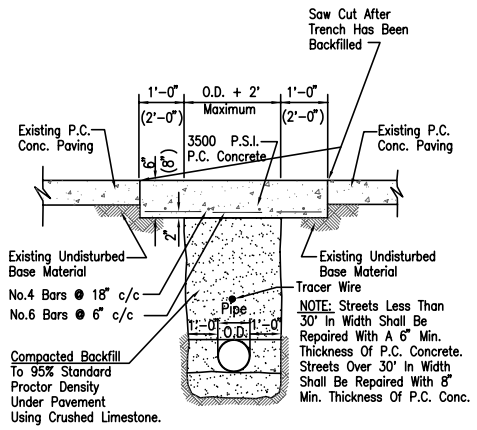


VIEW A-A

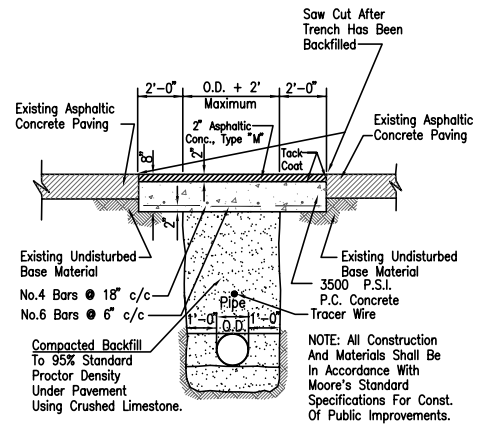
1" & 2" AIR VACUUM VALVES 3/4" AIR RELEASE VALVES



INSTALLATION OF FIRE HYDRANT ON NEW MAIN

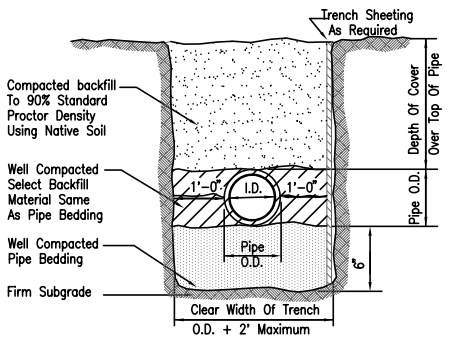


TYPICAL PERMANENT REPAIR FOR P.C. CONCRETE PAVING



TYPICAL PERMANENT REPAIR FOR ASPHALTIC CONCRETE PAVING

2" BLOW OFF



1) Pipe Bedding And Select Backfill Shall Be Well Graded Crushed Stone Or Crushed Gravel 1/4" To 1/2".

2) The Pipe Bedding And Select Backfill Shall Be Compacted To 90% Standard Proctor Density. Compaction Shall Be Done By Power Tamping.

TYPICAL BEDDING & TRENCH DETAILS

Standard Notes Water

Note 1 All Fire Hydrants & Valve Boxes to be set to proposed final grade with 4 1/2" steamer nozzle a minimum at 18" & a Maximum of 24" above ground level. All fire hydrants to have ductile iron leads.

Note 2 All existing water mains being abandoned by this project are to remain the property of the City of Moore and shall be salvaged by the Water/Wastewater Department at their discretion. However, items in the way of construction may be removed and delivered to the Water Department Warehouse.

Note 3 Concrete encase Sanitary Sewer or install Cast Iron Pipe 10 feet either side of water main, to be measured at right angles, in accordance with Oklahoma Department of Environmental Quality Standards.

Note 4 When crossing streets, driveways subject to heavy traffic, alleys and structures, etc., pipe shall be installed with special backfill, see detail this sheet. All other pipe to be installed in accordance with manufacturers recommendations or City specification.

Note 5 Set end of main stubs in Cul-de-sacs at a point 5.0' off property line. This point being in line with side property line.

Note 6 In instances where flow lines are not indicated on the drawings, main shall be constructed with a minimum of 4' cover or as directed by the Field Engineer.

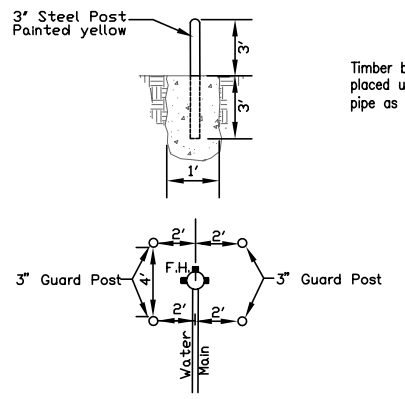
Note 7 All staking for alignment and grade will be done under the supervision of a Registered Professional Engineer or a Registered Land Surveyor. Grade stakes will be marked and cut sheets will be furnished to the City Inspector on the project prior to construction.

Note 8 Unless specifically authorized, all Gate Valves are to be located at P.C. or P.T. of street curb. When Fire Hydrants are required they shall be located within 5' of Gate Valves.

Note 9 Poly wrap all cast or ductile steel fittings prior to backfilling or placing concrete blocking.

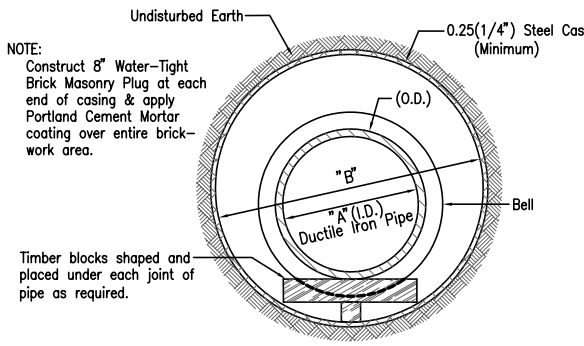
General Note

All construction to be in accordance with current City Standards and Specifications



GUARD POST DETAIL

TYPICAL ALL HYDRANTS LOCATED IN TRAFFIC AREAS



TYPICAL SECTION FOR BORING PUBLIC STREETS

Water Main Installations

PIPE & STEEL CASING SCHEDULE	
PIPE DIAMETER "A"	CASING DIAMETER "B"
4	10"
6	12"
8	14" or 16"
10	18"
12	20"
16	24"
18	26"
20	30"
24	33"

The City of MOORE Oklahoma

Water Standard Details No. 101

APPROVED BY: Donald Vick DATE 03/06/2008
DONALD VICK, P.E., CITY ENGINEER

REVISED: 03/05/2008

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