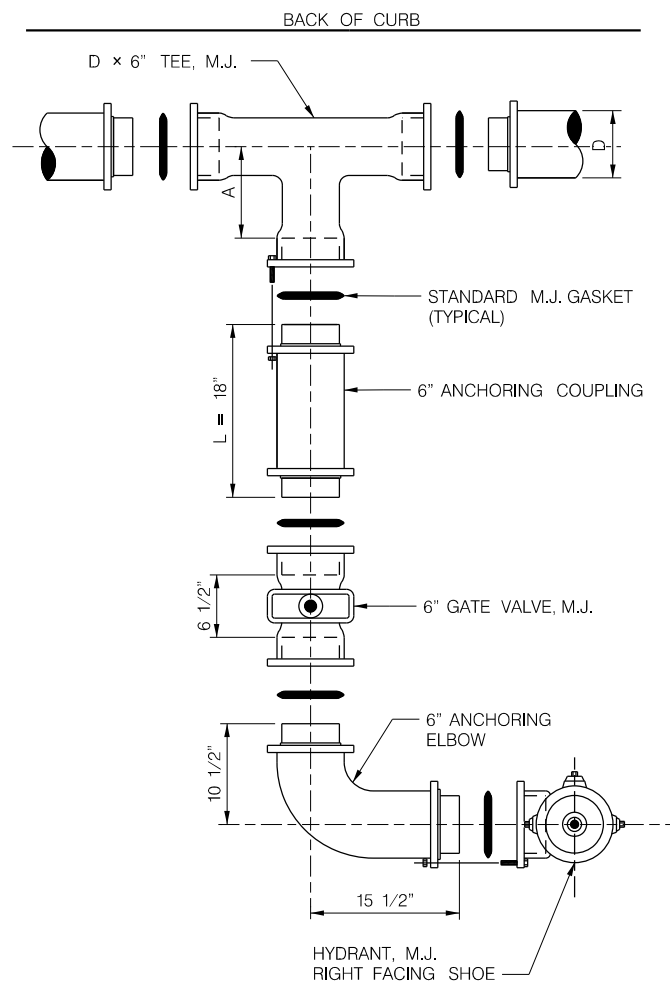
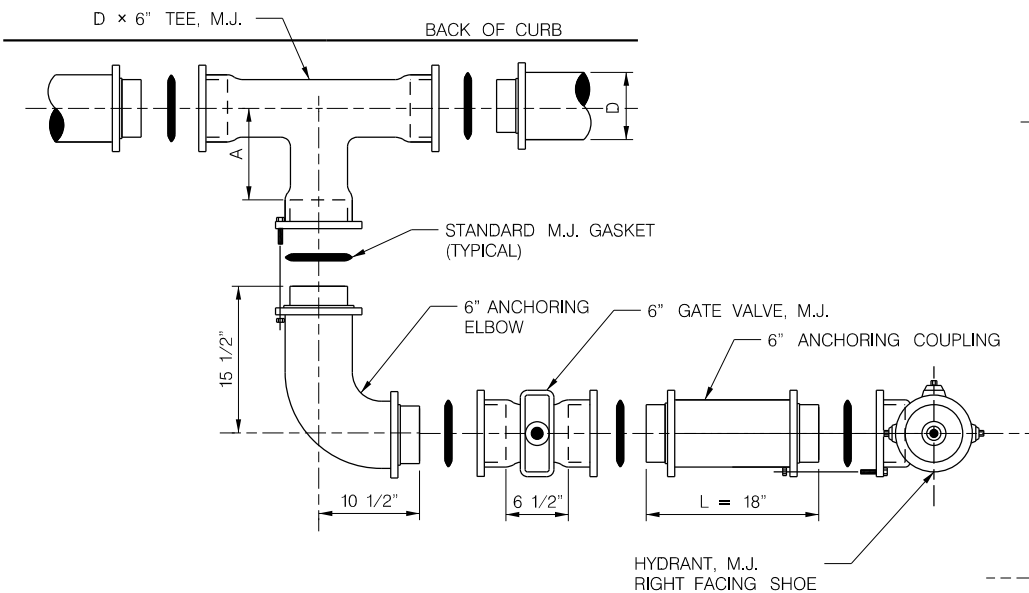


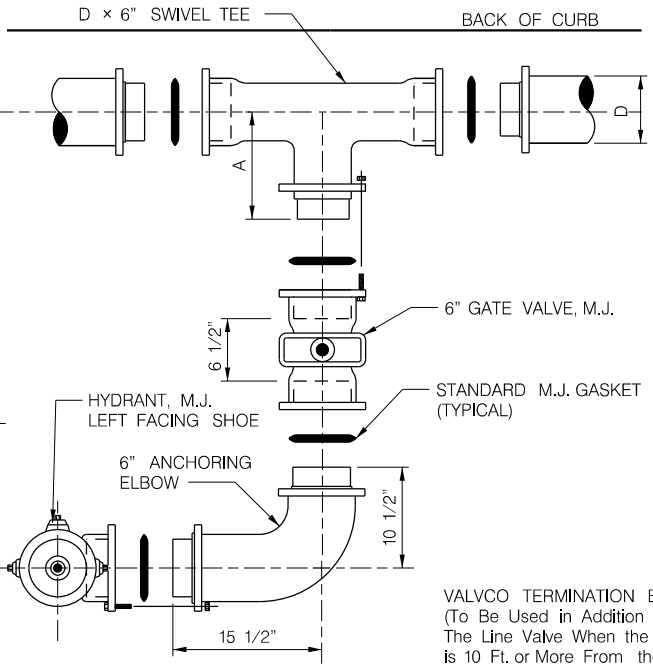
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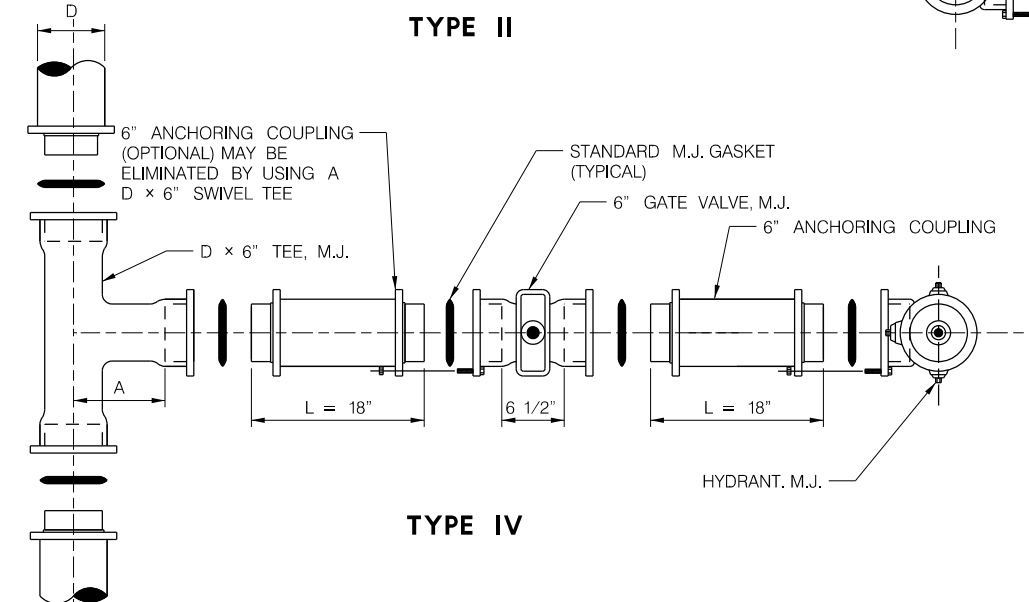
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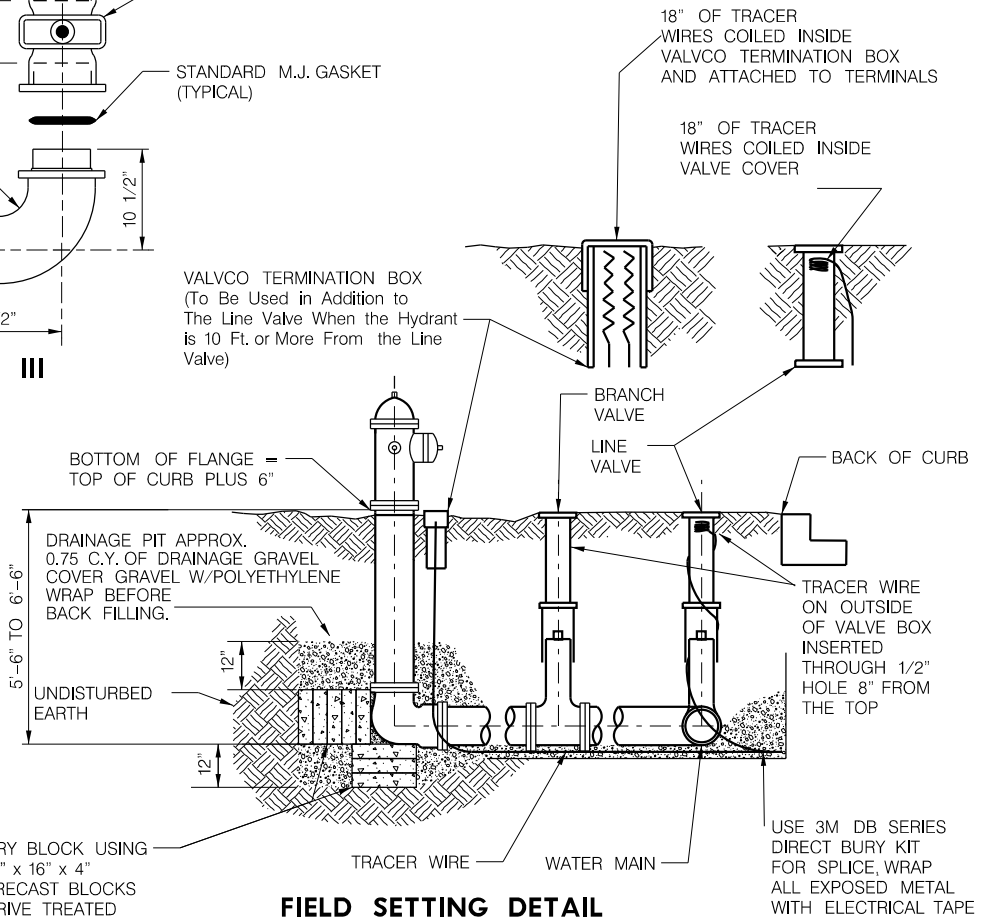
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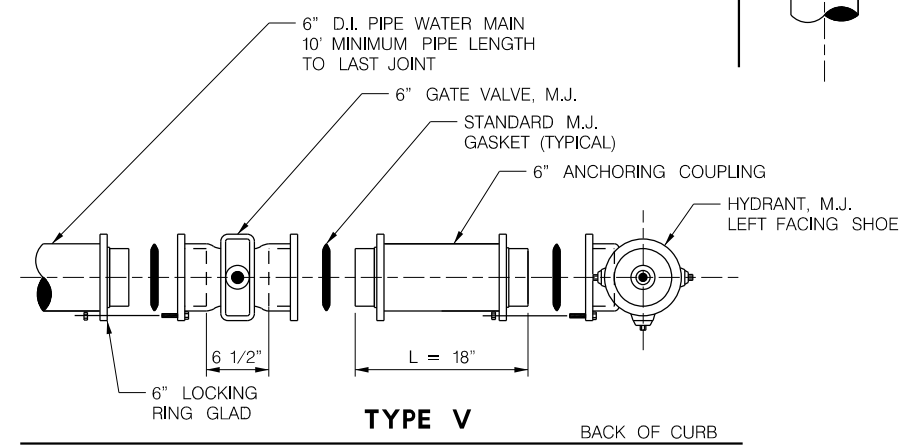
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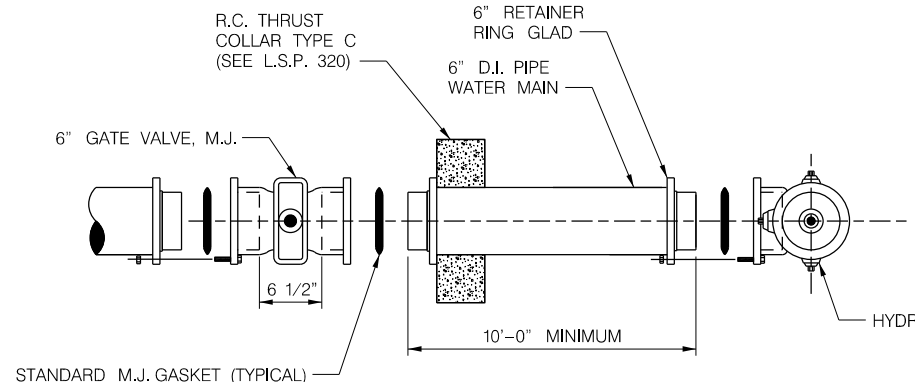
TYPE IV



FIELD SETTING DETAIL



TYPE V



TYPE VI

TEE CONNECTION DIMENSIONS			
MAIN RUN SIZE D	SIZE BRANCH	BRANCH LENGTH SWIVEL TEE A	BRANCH LENGTH A
6"	6"	10.5"	8"
8"	6"	11.5"	9"
12"	6"	14.5"	12"
16"	6"	17.5"	15"
24"	6"	21.5"	19"
30"	6"	24.5"	23"

HYDRANT ASSEMBLY	NUMBER OF FITTINGS REQUIRED						
	5 1/4" PUMPER HYDRANT	6" GATE VALVE, M.J.	6" ANCHORING COUPLING, M.J.	ELBOW, M.J. 6" ANCHORING	D X 6" TEE, M.J.	D X 6" SWIVEL TEE, M.J.	R.C. THRUST COLLAR (TYPE C)
TYPE I	1	1	1	1	1		
TYPE II	1	1	1	1	1		
TYPE III	1	1		1		1	
TYPE IV	1	1	2		1		
TYPE V	1	1	1				
TYPE VI	1	1					1

NOTES:

ALL ANCHORING COUPLINGS SHALL BE 18" IN LENGTH UNLESS PLANS SHOW OTHERWISE

ALL ANCHORING COUPLINGS AND ANCHORING ELBOWS SHALL BE CAST WITH AN INTEGRAL M.J. GLAND ON ONE END AND A DUCTILE IRON ROTATABLE M.J. GLAND ON THE OTHER END.

A LOCKING RING FOR A STANDARD ANCHORING COUPLING SHALL BE SUBSTITUTED FOR ONE OF THE STANDARD GLANDS ON THE 6" GATE VALVE FOR THE TYPE V AND TYPE VI INSTALLATIONS.

BACKFILL OF HYDRANTS AND VALVES SHALL BE COMPACTED BY HAND WITH SUITABLE MECHANICAL EQUIPMENT.

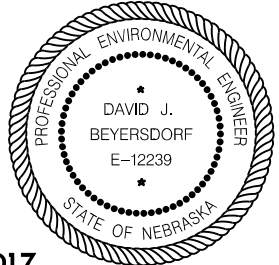
THERE SHALL BE NO MORE THAN ONE HYDRANT EXTENSION.

HYDRANT SHALL DRAIN FREELY AFTER INSTALLATION, DRAIN MATERIAL SHALL BE DRAINAGE GRAVEL ONLY, NO LIMESTONE MATERIAL

THE HYDRANT SHOE SHALL BE DRY BLOCKED, NO POUR IN PLACE BLOCKING

WHEN HYDRANT IS MORE THAN TEN (10) FEET FROM WATER MAIN, TRACER WIRE SHALL BE EXTENDED AND TERMINATED IN VALVCO TERMINATION BOX (OR EQUAL) LOCATED ON THE STREET SIDE OF THE HYDRANT.

HYDRANT BRANCH VALVES SHALL BE OPENED PRIOR TO PRESSURE TESTING WATER MAIN.



EFFECTIVE DATE MARCH 22, 2017

HYDRANT INSTALLATIONS

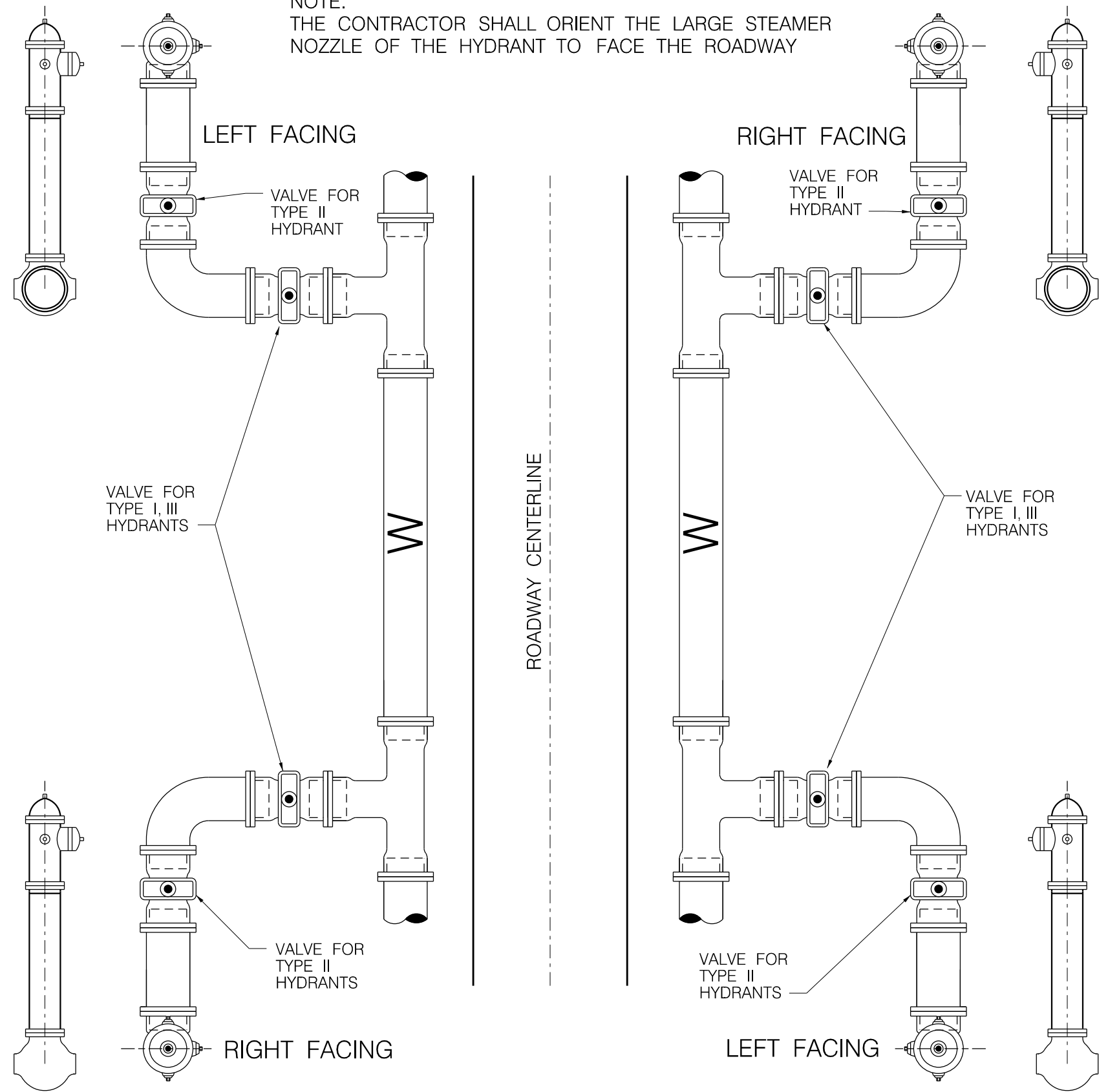
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CORRECT HYDRANT ORIENTATION

TYPES I, II, III

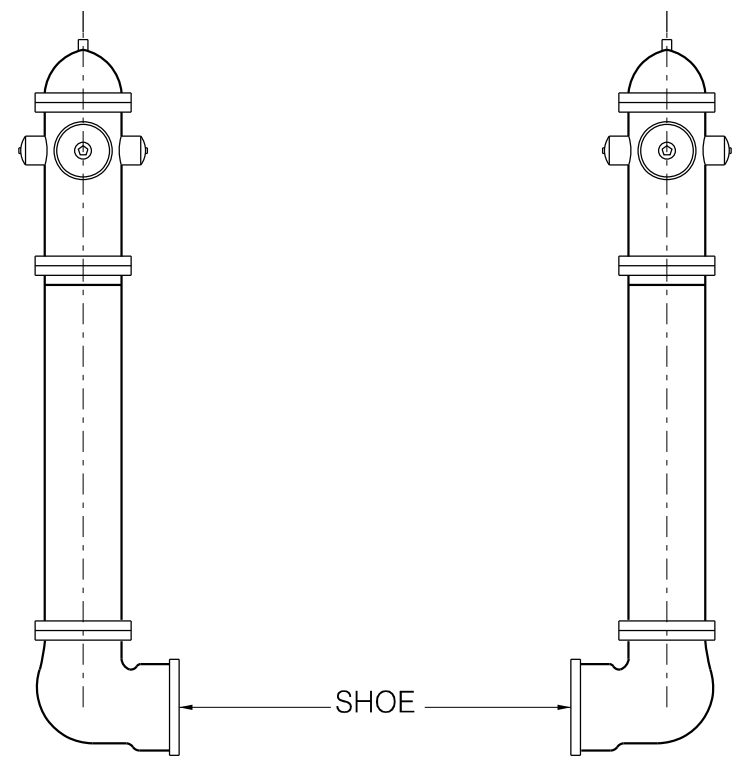
NOTE:
 THE CONTRACTOR SHALL ORIENT THE LARGE STEAMER
 NOZZLE OF THE HYDRANT TO FACE THE ROADWAY



HYDRANT CONFIGURATION

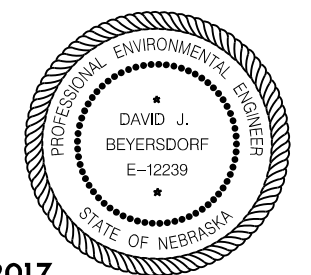
RIGHT FACING SHOE

LEFT FACING SHOE



WHEN FACING THE
 LARGE STEAMER
 NOZZLE, THE HYDRANT
 SHOE POINTS RIGHT

WHEN FACING THE
 LARGE STEAMER
 NOZZLE, THE HYDRANT
 SHOE POINTS LEFT



EFFECTIVE DATE MARCH 22, 2017

HYDRANT INSTALLATIONS