

	TRAVIS COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT No. 17 STANDARD DETAILS	STANDARD 5 1/4" FIRE HYDRANT ASSEMBLY INSTALLATION (1 OF 2)	
	ADOPTED: 03/01/2016	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	DETAIL NO. W01


NOTES:

1. ONLY 4' BURY DEPTH FIRE HYDRANTS SHALL BE INSTALLED.
2. FIRE HYDRANTS SHALL BE A MINIMUM DISTANCE OF 3' BEHIND THE CURB OR 6' BEHIND THE EDGE OF PAVEMENT. IN STEINER RANCH, HYDRANTS MAY BE 1 FT. BEHIND CURB. UNDER NO CIRCUMSTANCES SHALL VALVES OR FIRE HYDRANTS BE PLACED IN A CURB OR SIDEWALK. IN AREAS WITHOUT CURBS OR SIDEWALKS, THE FIRE HYDRANT SHALL BE PLACED 3'-6' FROM THE MAIN. ANY OTHER INSTALLATIONS SHOULD BE PERFORMED AT THE DIRECTION AND TO THE SPECIFICATIONS OF THE T.C.W.C. & I.D. No. 17 DISTRICT PERSONNEL OR THE DISTRICT ENGINEER.
3. FOR BURY DEPTHS GREATER THAN 5', ONE BARREL EXTENSION NOT EXCEEDING 3' LENGTH SHALL BE INSTALLED DIRECTLY BELOW THE FIRE HYDRANT. BREAK AWAY BOLTS (SHOE TYPES) SHALL BE PROPERLY SPACED AND PLACED WITH EXTENSIONS AS NEEDED TO ACCOMMODATE THE FIRE HYDRANTS. CONCRETE BLOCKING WITH A MIN. 1-1/2 FT² BEARING AREA. CLASS A CONCRETE. DO NOT BLOCK DRAIN HOLES.
4. FIRE LINE SHALL HAVE RESTRAINT JOINT FROM MAIN TO HYDRANT.
5. CRUSHED STONE OR GRAVEL SHALL BE PLACED AROUND THE BOTTOM OF OF THE HYDRANT FOR A RADIUS OF AT LEAST 12" AND EXTEND AT LEAST 12" ABOVE THE OUTLET. DO NOT BLOCK DRAIN HOLES.
6. WELD SOCKET 2-1/2" X 2" DEEP TO 1" SCH. 40 ROUND STEM EXTENSION. FITTED ON OPERATING NUT. SCH. 80 FOR LENGTHS OVER 10'.
7. VALVE EXTENSIONS ARE REQUIRED ON ALL VALVES THAT EXCEED 3' DEEP FROM FINISHED GRADE. VALVE EXTENSIONS SHALL BE PLACED SUCH THAT THE EXTENSION NUT IS BETWEEN 18" AND 24" FROM FINISHED GRADE.
8. VALVE, DUCTILE IRON PIPE AND STANDARD FIRE HYDRANT SYSTEM SHALL BE RESTRAINT JOINT CONTINUOUSLY TOGETHER.

LAKEWAY FIRE HYDRANT: NATIONAL STANDARD THREAD WITH STEAMER CONNECTOR OF 4.5 (FOUR AND ONE-HALF) INCHES. COLORS-THE BASE SHALL BE PAINTED SILVER AND THE BOLT AND CAPS SHALL BE PAINTED THE DESIGNATED COLOR PER THE GALLONS PER MINUTE (GPM) AS FOLLOWS:

CLASS AA	LIGHT BLUE	1500 OR HIGHER GPM
CLASS A	GREEN	1000 - 1499 GPM
CLASS B	ORANGE	500 - 999 GPM
CLASS C	RED	LESS THAN 500 GPM
CLASS D	BLACK OR BAGGED	OUT OF SERVICE

AUSTIN FIRE HYDRANTS: ALL FIRE HYDRANTS SHALL BY DRY BARREL, TRAFFIC MODEL (BREAK-AWAY) POST TYPE HAVING COMPRESSION TYPE MAIN VALVES WITH 5-1/4" OPENING, CLOSING WITH LINE PRESSURE. NFPA1963- NATIONAL (AMERICAN) STANDARD FIRE HOSE COUPLING SCREW THREAD AND CITY OF AUSTIN 4 INCH FIRE HOSE PUMPER CONNECTION STANDARD AND THREAD-SIX (6) THREADS PER INCH "HIG BEE" CUT, 4.859 INCH O.D., 4.6425 INCH ROOT DIAMETER. EXTERIOR SURFACE ABOVE GROUND SHALL RECEIVE A COATING OF THE TYPE AND COLOR SPECIFIED IN THE APPLICABLE VERSION OF THE CITY OF AUSTIN SPECIFICATIONS. THE COATING SHALL BE APPLIED ACCORDING TO COATING MANUFACTURE'S SPECIFICATIONS.

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	ADOPTED: <p style="text-align: center;">03/01/2016</p>	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	DETAIL NO. <p style="text-align: center;">W01</p>