

FIRE DEPT. NOTES

- ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS", "HYDRANT INSTALLATION SPECIFICATIONS" AND ORDINANCE 354-45.
- AUTHORIZED HYDRANTS FOR THIS PROJECT ARE:
A - 1" METRIC GUNNERS
B - 1" METRIC GUNNERS
C - 1" METRIC GUNNERS
- ON ANY NEW HOME OR BUILDING INSTALLATION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMPLETION OF CONSTRUCTION. COMMERCIAL AND RESIDENTIAL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH AN ADEQUATE WATER SUPPLY.
- CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT CENTER-LINE OF STREET ADJACENT TO FIRE HYDRANT AS REQUIRED IN ORDINANCE 354-45 TO IDENTIFY FIRE HYDRANT LOCATIONS.
- CALL THE LAS VEGAS BUILDING DEPARTMENT AT 795-3071 FOR UNDERGROUND INSPECTION, PRESSURE AND FLUSH VERIFICATION OF ALL FIRE HYDRANTS AND FIRE LINES BEFORE COVERING.
- PAINTING OF THE CURB AND HYDRANT AND ANY WORK NECESSARY FOR PROTECTION OF HYDRANTS FROM PHYSICAL DAMAGE PER ORDINANCE 354-45 SHALL BE COMPLETED BEFORE APPROVAL BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.
- A PERMIT IS REQUIRED FROM THE FIRE DEPARTMENT FOR ON-SITE WATER LINE AND FIRE HYDRANT. THE PERMIT AND CONTRACTORS MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER PRIOR TO ANY WORK BEGINNING.
- A FLOW TEST MUST BE WITNESSED BY THE FIRE DEPARTMENT PRIOR TO OCCUPANCY FOR VERIFICATION OF REQUIRED ON-SITE WATER SUPPLY.
- ALL ON-SITE FIRE MAIN MATERIALS MUST BE U.L. LISTED AND F.A.I. APPROVED.
- FIRE HYDRANT SPACING:
RESIDENTIAL - 500 FEET UNSPRINKLED, 800 FEET SPINKLED
COMMERCIAL, INCLUDING WALK-THRU - 500 FEET UNSPRINKLED, 400 FEET SPINKLED.
- NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF A CUL-DE-SAC OR WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
- NO FIRE HYDRANT SHALL BE LOCATED WITHIN 6 FEET OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREET LIGHT OR ANY OTHER OBSTRUCTION.
- NOT MORE THAN 2 HYDRANTS CAN BE OUT OF SERVICE DUE TO A SINGLE MAIN BREAK.
- THE TURNING RADIUS FOR ANY FIRE APPARATUS ACCESS ROAD AND/OR FIRE LANE, PUBLIC OR PRIVATE SHALL BE NOT LESS THAN 45 FEET OUTSIDE RADIUS AND 22 FEET INSIDE RADIUS.
- A FIRE APPARATUS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 100 FEET FROM A FIRE DEPARTMENT VEHICLE ACCESS. (SEE EXCEPTIONS IN UPC 96, SECTION 10.507).
- ALL DEAD END FIRE APPARATUS ACCESS ROAD AND/OR FIRE LANE PUBLIC OR PRIVATE IN EXCESS OF 100 FEET IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURNAROUND AREA. SEE ORDINANCE 354-45.

LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

- NO WORK SHALL BEGIN ON THE WATER PLANS UNTIL THEY HAVE BEEN RELEASED FOR CONSTRUCTION BY THE L.V.V.D. FOLLOWING APPROVAL OF THE PLANS, NOTICE MUST BE GIVEN TO THE L.V.V.D. CUSTOMER SERVICE DEPARTMENT (800-414) 48 HOURS PRIOR TO ACTUAL CONSTRUCTION AND 24 HOURS PRIOR TO AN INSPECTION.
- CALL BEFORE YOU DIG 1-800-227-2800.
- ALL WORK SHALL CONFORM TO L.V.V.D. LATEST STANDARD PLANS, DIVISIONS AND SPECIFICATIONS.
- ALL WORK EXCEPT AS NOTED HEREON OR BY NOTE 3, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE L.V.V.D. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS, CLARK COUNTY AREA.
- DISTRICT APPROVED SERVICE SADDLES OR TAPPED COLLARS WILL BE REQUIRED ON ALL 3/4" AND 1" SERVICE LATERALS. SERVICE SADDLES ONLY WILL BE PERMITTED ON 1-1/2" AND 2" SERVICE LATERALS. DOUBLE TAPPED COLLARS ARE NOT PERMITTED.
- CROSS STREET LATERALS ALL 3/4" TO 2" SERVICE LATERALS SHALL BE OF COPPER TUBING IN ACCORDANCE WITH THE DISTRICT'S SPECIFICATIONS AND STANDARD PLANS.
- THE MAXIMUM ALLOWABLE JOINT DEFLECTION FOR ACP AND DUCTILE IRON PIPE SHALL BE AS FOLLOWS:

PIPE SIZE	ACR	DUCTILE IRON
8" - 10"	2.5 DEGREES	2.5 DEGREES
12" - 14"	2.5 DEGREES	2.5 DEGREES
16" - 18"	2.5 DEGREES	2.5 DEGREES
20" - 24"	2.5 DEGREES	2.5 DEGREES
28" - 36"	2.5 DEGREES	2.5 DEGREES
42" - 48"	2.5 DEGREES	2.5 DEGREES
54" - 60"	2.5 DEGREES	2.5 DEGREES
72" - 84"	2.5 DEGREES	2.5 DEGREES
96" - 108"	2.5 DEGREES	2.5 DEGREES
120" - 144"	2.5 DEGREES	2.5 DEGREES
168" - 192"	2.5 DEGREES	2.5 DEGREES
216" - 240"	2.5 DEGREES	2.5 DEGREES
288" - 324"	2.5 DEGREES	2.5 DEGREES
360" - 408"	2.5 DEGREES	2.5 DEGREES
480" - 576"	2.5 DEGREES	2.5 DEGREES
720" - 864"	2.5 DEGREES	2.5 DEGREES
1080" - 1296"	2.5 DEGREES	2.5 DEGREES
1440" - 1728"	2.5 DEGREES	2.5 DEGREES
1800" - 2160"	2.5 DEGREES	2.5 DEGREES
2160" - 2592"	2.5 DEGREES	2.5 DEGREES
2592" - 3110"	2.5 DEGREES	2.5 DEGREES
3110" - 3732"	2.5 DEGREES	2.5 DEGREES
3732" - 4464"	2.5 DEGREES	2.5 DEGREES
4464" - 5316"	2.5 DEGREES	2.5 DEGREES
5316" - 6300"	2.5 DEGREES	2.5 DEGREES
6300" - 7416"	2.5 DEGREES	2.5 DEGREES
7416" - 8664"	2.5 DEGREES	2.5 DEGREES
8664" - 10056"	2.5 DEGREES	2.5 DEGREES
10056" - 11604"	2.5 DEGREES	2.5 DEGREES
11604" - 13320"	2.5 DEGREES	2.5 DEGREES
13320" - 15216"	2.5 DEGREES	2.5 DEGREES
15216" - 17304"	2.5 DEGREES	2.5 DEGREES
17304" - 19596"	2.5 DEGREES	2.5 DEGREES
19596" - 22104"	2.5 DEGREES	2.5 DEGREES
22104" - 24840"	2.5 DEGREES	2.5 DEGREES
24840" - 27816"	2.5 DEGREES	2.5 DEGREES
27816" - 31044"	2.5 DEGREES	2.5 DEGREES
31044" - 34536"	2.5 DEGREES	2.5 DEGREES
34536" - 38304"	2.5 DEGREES	2.5 DEGREES
38304" - 42360"	2.5 DEGREES	2.5 DEGREES
42360" - 46716"	2.5 DEGREES	2.5 DEGREES
46716" - 51384"	2.5 DEGREES	2.5 DEGREES
51384" - 56376"	2.5 DEGREES	2.5 DEGREES
56376" - 61704"	2.5 DEGREES	2.5 DEGREES
61704" - 67380"	2.5 DEGREES	2.5 DEGREES
67380" - 73416"	2.5 DEGREES	2.5 DEGREES
73416" - 79824"	2.5 DEGREES	2.5 DEGREES
79824" - 86616"	2.5 DEGREES	2.5 DEGREES
86616" - 93804"	2.5 DEGREES	2.5 DEGREES
93804" - 101400"	2.5 DEGREES	2.5 DEGREES
101400" - 109416"	2.5 DEGREES	2.5 DEGREES
109416" - 117864"	2.5 DEGREES	2.5 DEGREES
117864" - 126756"	2.5 DEGREES	2.5 DEGREES
126756" - 136104"	2.5 DEGREES	2.5 DEGREES
136104" - 145920"	2.5 DEGREES	2.5 DEGREES
145920" - 156216"	2.5 DEGREES	2.5 DEGREES
156216" - 167004"	2.5 DEGREES	2.5 DEGREES
167004" - 178296"	2.5 DEGREES	2.5 DEGREES
178296" - 190104"	2.5 DEGREES	2.5 DEGREES
190104" - 202440"	2.5 DEGREES	2.5 DEGREES
202440" - 215416"	2.5 DEGREES	2.5 DEGREES
215416" - 228944"	2.5 DEGREES	2.5 DEGREES
228944" - 243036"	2.5 DEGREES	2.5 DEGREES
243036" - 257704"	2.5 DEGREES	2.5 DEGREES
257704" - 272960"	2.5 DEGREES	2.5 DEGREES
272960" - 288816"	2.5 DEGREES	2.5 DEGREES
288816" - 305284"	2.5 DEGREES	2.5 DEGREES
305284" - 322376"	2.5 DEGREES	2.5 DEGREES
322376" - 340104"	2.5 DEGREES	2.5 DEGREES
340104" - 358480"	2.5 DEGREES	2.5 DEGREES
358480" - 377516"	2.5 DEGREES	2.5 DEGREES
377516" - 397224"	2.5 DEGREES	2.5 DEGREES
397224" - 417616"	2.5 DEGREES	2.5 DEGREES
417616" - 438704"	2.5 DEGREES	2.5 DEGREES
438704" - 460500"	2.5 DEGREES	2.5 DEGREES
460500" - 483016"	2.5 DEGREES	2.5 DEGREES
483016" - 506264"	2.5 DEGREES	2.5 DEGREES
506264" - 530264"	2.5 DEGREES	2.5 DEGREES
530264" - 555024"	2.5 DEGREES	2.5 DEGREES
555024" - 580560"	2.5 DEGREES	2.5 DEGREES
580560" - 606896"	2.5 DEGREES	2.5 DEGREES
606896" - 634044"	2.5 DEGREES	2.5 DEGREES
634044" - 662016"	2.5 DEGREES	2.5 DEGREES
662016" - 690824"	2.5 DEGREES	2.5 DEGREES
690824" - 720480"	2.5 DEGREES	2.5 DEGREES
720480" - 750996"	2.5 DEGREES	2.5 DEGREES
750996" - 782384"	2.5 DEGREES	2.5 DEGREES
782384" - 814664"	2.5 DEGREES	2.5 DEGREES
814664" - 847848"	2.5 DEGREES	2.5 DEGREES
847848" - 881948"	2.5 DEGREES	2.5 DEGREES
881948" - 916976"	2.5 DEGREES	2.5 DEGREES
916976" - 952944"	2.5 DEGREES	2.5 DEGREES
952944" - 989872"	2.5 DEGREES	2.5 DEGREES
989872" - 1027776"	2.5 DEGREES	2.5 DEGREES
1027776" - 1066672"	2.5 DEGREES	2.5 DEGREES
1066672" - 1106584"	2.5 DEGREES	2.5 DEGREES
1106584" - 1147520"	2.5 DEGREES	2.5 DEGREES
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1189496" - 1232528"	2.5 DEGREES	2.5 DEGREES
1232528" - 1276632"	2.5 DEGREES	2.5 DEGREES
1276632" - 1321824"	2.5 DEGREES	2.5 DEGREES
1321824" - 1368112"	2.5 DEGREES	2.5 DEGREES
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1415512" - 1464032"	2.5 DEGREES	2.5 DEGREES
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3083928" - 3166920"	2.5 DEGREES	2.5 DEGREES
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15164272" - 15413504"	2.5 DEGREES	2.5 DEGREES
15413504" - 15664896"	2.5 DEGREES	2.5 DEGREES
15664896" - 15918480"	2.5 DEGREES	2.5 DEGREES
15918480" - 16174288"	2.5 DEGREES	2.5 DEGREES
16174288" - 16432336"	2.5 DEGREES	2.5 DEGREES
16432336" - 16692672"	2.5 DEGREES	2.5 DEGREES
16692672" - 16955328"	2.5 DEGREES	2.5 DEGREES
16955328" - 17219328"	2.5 DEGREES	2.5 DEGREES
17219328" - 17485712"	2.5 DEGREES	2.5 DEGREES
17485712" - 17754512"	2.5 DEGREES	2.5 DEGREES
17754512" - 18025760"	2.5 DEGREES	2.5 DEGREES
18025760" - 18298496"	2.5 DEGREES	2.5 DEGREES
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18572768" - 18848608"	2.5 DEGREES	2.5 DEGREES
18848608" - 19126048"	2.5 DEGREES	2.5 DEGREES
19126048" - 19405136"	2.5 DEGREES	2.5 DEGREES
19405136" - 19685904"	2.5 DEGREES	2.5 DEGREES
19685904" - 19968384"	2.5 DEGREES	2.5 DEGREES
19968384" - 20252608"	2.5 DEGREES	2.5 DEGREES
20252608" - 20538608"	2.5 DEGREES	2.5 DEGREES
20538608" - 20826336"	2.5 DEGREES	2.5 DEGREES
20826336" - 21115824"	2.5 DEGREES	2.5 DEGREES
21115824" - 21407104"	2.5 DEGREES	2.5 DEGREES
21407104" - 21700224"	2.5 DEGREES	2.5 DEGREES
21700224" - 22005232"	2.5 DEGREES	2.5 DEGREES
22005232" - 22312176"	2.5 DEGREES	2.5 DEGREES
22312176" - 22621104"	2.5 DEGREES	2.5 DEGREES
22621104" - 22932064"	2.5 DEGREES	2.5 DEGREES
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