

CITY OF HENDERSON FIRE DEPARTMENT GENERAL NOTES

GENERAL:

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE INTERNATIONAL FIRE CODE AS AMENDED AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS (UDACS) AS ADOPTED BY THE CITY OF HENDERSON.
2. APPROVED FIRE APPARATUS ACCESS ROADS SHALL BE PROVIDED TO ALL CONSTRUCTION SITES PRIOR TO THE PERMANENT FIRE APPARATUS ACCESS ROADS BEING COMPLETE. THE APPROVED VEHICLE ACCESS, ACCESS TO BUILDINGS, HYDRANTS AND OTHER FIRE APPLIANCES SHALL NOT BE BLOCKED BY CONSTRUCTION MATERIALS, EQUIPMENT OR OPEN UTILITY TRENCHING.
3. AN APPROVED WATER SUPPLY FOR FIRE PROTECTION, EITHER TEMPORARY OR PERMANENT, SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLE MATERIAL ARRIVES ON SITE. ADDITIONAL FIRE FLOW SHALL BE PROVIDED UPON COMMENCEMENT OF VERTICAL CONSTRUCTION IN ACCORDANCE WITH IFC SECTION **3312 AS AMENDED**.
4. PRIOR TO CLOSING ANY WATER SUPPLY CONTROL VALVE OR PLACING ANY FIRE HYDRANT OUT OF SERVICE CONTACT HENDERSON FIRE DEPARTMENT DISPATCH CENTER (**702-267-4913**) AND ANY MONITORING FACILITY SUPERVISING THE CONTROL VALVE(S).

FIRE HYDRANTS:

5. FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT EDITION OF UDACS AND SHALL BE MAINTAINED IN ACCORDANCE WITH NFPA 25 AND KEPT IN AN OPERATIVE CONDITION WITH THE REQUIRED WATER SUPPLY.
6. MANUFACTURER AND MODEL OF FIRE HYDRANTS SHALL CONFORM TO THE APPROVED MATERIALS LIST BY CITY OF HENDERSON UTILITIES SERVICE DEPARTMENT. FINAL ACCEPTANCE OF HYDRANT INSTALLATION SHALL BE BY CITY OF HENDERSON PUBLIC WORKS DEPARTMENT – QUALITY CONTROL DIVISION.
7. HYDRANTS SHALL BE INSTALLED WITH THEIR PUMPER OUTLET NOZZLE (STEAMER CONNECTION) FACING THE FIRE ACCESS ROAD. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF FIRE HYDRANTS. WHERE HYDRANTS ARE SUBJECT TO IMPACT BY MOTOR VEHICLES, GUARD POSTS (PIPE BOLLARDS) SHALL BE INSTALLED IN ACCORDANCE WITH IFC SECTION 312.
8. HYDRANTS SHALL BE PAINTED SAFETY YELLOW FOR PUBLIC AND SAFETY RED FOR PRIVATE.
9. ALL PUBLIC FIRE HYDRANTS SHALL HAVE A SIX DIGIT NUMBER AS DESIGNATED BY CITY OF HENDERSON UTILITY SERVICES DEPARTMENT (**702-267-2536**) PAINTED ON THE BARREL BY THE HYDRANT INSTALLER. THE NUMBER SHALL BE IN 1” HIGH BLOCK NUMBERS USING BLACK ENAMEL PAINT.
10. PAINTING OF CURBS AND/OR ASPHALT AREAS ADJACENT TO HYDRANTS SHALL BE COMPLETED BY THE INSTALLER PRIOR TO FINAL INSPECTION. A COAT OF EXTERIOR INDUSTRIAL GRADE SAFETY RED ENAMEL SHALL BE APPLIED FOR A MINIMUM OF 30 FEET, 15 FEET ON EACH SIDE OF THE HYDRANT.
11. HYDRANT LOCATIONS SHALL BE MARKED BY MEANS OF A BLUE REFLECTIVE PAVEMENT MARKER INSTALLED IN THE CENTER OF THE FIRE ACCESS DRIVE LANE NEAREST TO THE HYDRANT.

FIRE DEPARTMENT CONNECTIONS:

12. FDC SHALL BE LOCATED WITHIN 100 FEET OF A FIRE HYDRANT AS MEASURED BY AN APPROVED UNOBSTRUCTED ROUTE.
13. FDC SHALL FACE THE FIRE LANE.
14. FDC SHALL NOT BE CLOSER THAN 3 FEET TO ANY DOOR OR WINDOW OPENING AND SHALL NOT BE OBSTRUCTED BY TREES, SHRUBS, PARKING SPACES, ETC.

UNDERGROUND PIPING & VALVES:

15. UNDERGROUND PIPING SHALL HAVE A MINIMUM WORKING PRESSURE OF 150 PSI. UNDERGROUND PIPING CONNECTED TO A FIRE PUMP OR A FIRE DEPARTMENT CONNECTION (FDC) SHALL HAVE A MINIMUM WORKING PRESSURE OF 200 PSI (CLASS 200).
16. TWO SOURCES OF WATER SUPPLY ARE REQUIRED WHENEVER 4 OR MORE FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM.
17. SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE DUE TO A BREAK IN A WATER MAIN.
18. A POST INDICATING VALVE (PIV) SHALL BE PROVIDED AND INSTALLED A MINIMUM OF 5 FEET FROM THE BUILDING ON EACH FIRE SPRINKLER LEAD-IN AND SHALL BE SET SO THE TOP OF THE POST WILL BE **32" TO 40"** ABOVE THE FINAL GRADE.
19. ALL VALVES THAT CONTROL THE WATER SUPPLY TO PRIVATE FIRE SERVICE MAINS AND/OR FIRE SPRINKLER SYSTEMS SHALL BE LISTED, INDICATING AND ELECTRICALLY SUPERVISED.

EXCEPTION 1: UNDERGROUND KEY OR HUB VALVES.

EXCEPTION 2: BACKFLOW ASSEMBLY VALVES THAT ARE CHAINED AND LOCKED IN THE OPEN POSITION OR LOCATED IN AN UNDERGROUND VAULT OR APPROVED INSULATED ENCLOSURE; HOWEVER, BACKFLOW ASSEMBLY VALVES THAT ARE DESIGNED TO CONTROL ONLY FIRE SPRINKLERS, IN LIEU OF INSTALLING A PIV, SHALL BE ELECTRICALLY MONITORED.

20. ALL PIPING AND VALVES SUPPLYING FIRE SPRINKLER SYSTEMS SHALL BE PROTECTED FROM FREEZING WHEN EXPOSED TO TEMPERATURES LESS THAN 40°F. FREEZE PROTECTION SHALL BE APPROVED, DURABLE AND PERMANENT.
21. ALL BACKFLOW OR CROSS CONNECTION REQUIREMENTS OF THE CITY OF HENDERSON UTILITY SERVICES DEPARTMENT SHALL BE INSTALLED UPSTREAM OF THE FIRE SPRINKLER OR STANDPIPE SYSTEM PIV.
22. ALL REQUIRED TESTING AND FLUSHING OF THE UNDERGROUND FIRE SPRINKLER / STANDPIPE WATER SUPPLY PIPING SHALL BE PERFORMED IN THE PRESENCE OF CITY OF HENDERSON PUBLIC WORKS - QUALITY CONTROL DIVISION (702-267-3100). THE INSTALLING CONTRACTOR SHALL FURNISH A "CONTRACTOR'S MATERIAL AND TESTING CERTIFICATE" (CM&T) COUNTERSIGNED BY THE PROPERTY OWNER OR REPRESENTATIVE. THE CM&T SHALL BE FILLED OUT COMPLETELY WITH QC INSPECTOR'S INITIALS, WITNESSING EACH TEST. A COPY OF THE UNDERGROUND FLUSH AND HYDROSTATIC TESTING DOCUMENTATION SHALL BE ON-SITE AND SIGNED PRIOR TO THE CONNECTION OF THE UNDERGROUND WATER SUPPLY TO THE FIRE SPRINKLER SYSTEM.

GATES:

23. SHOP DRAWINGS FOR ALL GATES AND MOTORIZED OPENERS OBSTRUCTING FIRE DEPARTMENT ACCESS ROADS SHALL BE SUBMITTED SEPARATELY FOR REVIEW AND RECEIVE APPROVAL PRIOR TO INSTALLATION. A SEPARATE PERMIT IS REQUIRED FOR EACH GATED ENTRANCE.

SPEED BUMPS / SPEED HUMPS:

24. SPEED BUMPS AND/OR SPEED HUMPS SHALL NOT BE PERMITTED WITHIN THE REQUIRED WIDTH OF FIRE APPARATUS ACCESS ROADS.

EXCEPTION: SPEED HUMPS ARE ALLOWED ON PRIVATE FIRE APPARATUS ACCESS ROADS SERVING COMMERCIAL AND INDUSTRIAL BUILDINGS WHEN APPROVED BY THE FIRE CODE OFFICIAL.

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