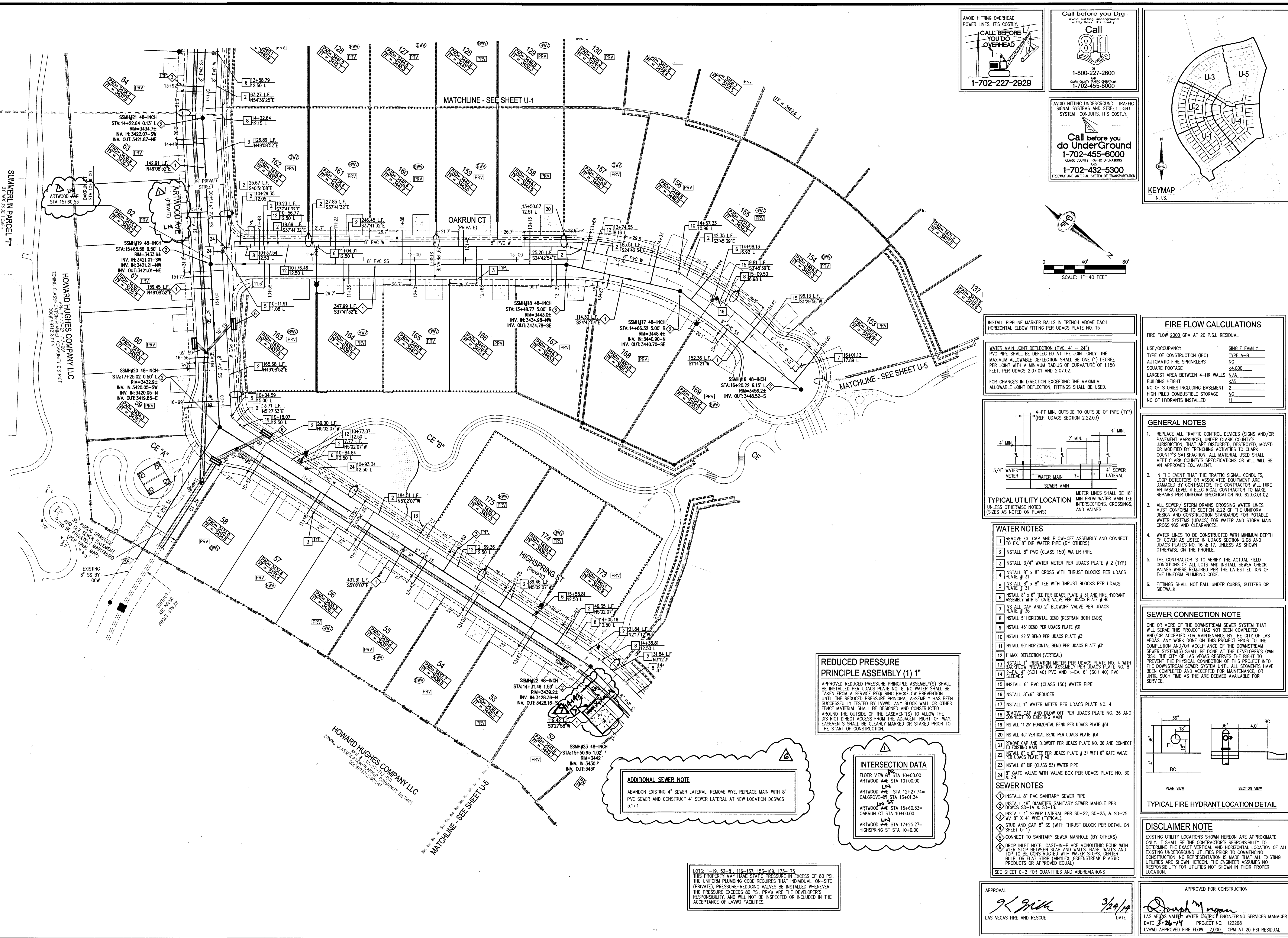




AVOID HITTING OVERHEAD
POWER LINES. IT'S COSTLY.

**CALL BEFORE
YOU DO
OVERHEAD**

1-702-227-2929

AVOID HITTING UNDERGROUND TRAFFIC
SIGNAL SYSTEMS AND STREET LIGHT
SYSTEM CONDUITS. IT'S COSTLY.

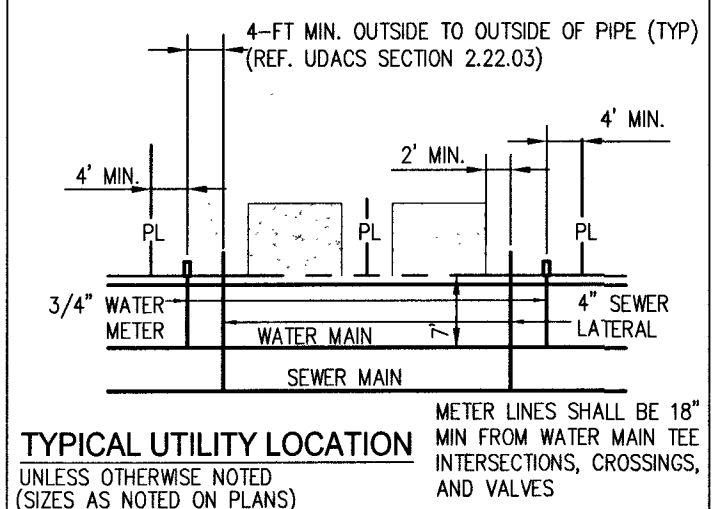


**Call before you
do UnderGround**
1-702-455-6000
CLARK COUNTY TRAFFIC OPERATIONS
AND
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING PER UDACS PLATE NO. 15

WATER MAIN JOINT DEFLECTION (PVC, 4" - 24")
PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.07.01 AND 2.07.02.

FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.



WATER NOTES

- 1 REMOVE EX. CAP AND BLOW-OFF ASSEMBLY AND CONNECT TO EX. 8" DIP WATER PIPE (BY OTHERS)
- 2 INSTALL 8" PVC (CLASS 150) WATER PIPE
- 3 INSTALL 3/4" WATER METER PER UDACS PLATE #2 (TYP)
- 4 INSTALL 8" x 8" CROSS WITH THRUST BLOCKS PER UDACS PLATE #31
- 5 INSTALL 8" x 8" TEE WITH THRUST BLOCKS PER UDACS PLATE #31
- 6 INSTALL 9" x 8" TEE PER UDACS PLATE #31 AND FIRE HYDRANT ASSEMBLY WITH 6" GATE VALVE PER UDACS PLATE #40
- 7 INSTALL CAP AND 2" BLOWOFF VALVE PER UDACS PLATE #35
- 8 INSTALL 5' HORIZONTAL BEND (RESTRAIN BOTH ENDS)
- 9 INSTALL 45° BEND PER UDACS PLATE #31
- 10 INSTALL 22.5° BEND PER UDACS PLATE #31
- 11 INSTALL 90° HORIZONTAL BEND PER UDACS PLATE #31
- 12 1" MAX DEFLECTION (VERTICAL)
- 13 INSTALL 1" IRRIGATION METER PER UDACS PLATE NO. 4 WITH BACKFLOW PREVENTION ASSEMBLY PER UDACS PLATE NO. 8 SLEEVES (SCH 40) PVC AND 1-EA. 6" (SCH 40) PVC
- 14 INSTALL 6" PVC (CLASS 150) WATER PIPE
- 16 INSTALL 8" 6" REDUCER
- 17 INSTALL 1" WATER METER PER UDACS PLATE NO. 4
- 18 REMOVE CAP AND BLOW OFF PER UDACS PLATE NO. 36 AND CONNECT TO EXISTING MAIN
- 19 INSTALL 11.25' HORIZONTAL BEND PER UDACS PLATE #31

The diagram illustrates the typical fire hydrant location detail, consisting of two views: Plan View and Section View.

Plan View: Shows a top-down view of the hydrant. The hydrant is represented by a circle with a smaller circle inside, labeled "FH". The distance from the center of the hydrant to the centerline of the adjacent road is 36". The distance from the centerline of the road to the centerline of the adjacent sidewalk is 18". The distance from the centerline of the sidewalk to the centerline of the adjacent street is 18". The total width of the road is 36". The distance from the centerline of the road to the centerline of the adjacent sidewalk is 18". The distance from the centerline of the sidewalk to the centerline of the adjacent street is 18". The distance from the centerline of the road to the centerline of the adjacent sidewalk is 18". The distance from the centerline of the sidewalk to the centerline of the adjacent street is 18".

Section View: Shows a side view of the hydrant. The hydrant is represented by a vertical line with a horizontal line at the top, labeled "BC". The distance from the centerline of the road to the centerline of the adjacent sidewalk is 36". The distance from the centerline of the sidewalk to the centerline of the adjacent street is 4.0'.

TYPICAL FIRE HYDRANT LOCATION DETAIL

APPROVED FOR CONSTRUCTION

Douglas Morgan

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE 3-26-14 PROJECT NO. 122268

LVWD APPROVED FIRE FLOW 2,000 GPM AT 20 PSI RESIDUAL