

SEWER QUANTITIES

(INCLUDES SHEET 11, 12, 13, & 14 QUANTITIES)

8" SEWER LINE 4364.60 L.F.
4" SEWER SERVICE LATERALS 157 EA.
SEWER MANHOLES 17 EA.

WATER QUANTITIES

8" WATER LINE 3902.57 L.F.
6" WATER LINE 102 L.F.
1" WATER SERVICE LATERALS W/ 5/8" METER 157 EA.
FIRE HYDRANT ASSEMBLY 8 EA.
8" TEES 5 EA.
BLOWOFF ASSEMBLY 2 EA.
90° ELBOW 1 EA.
45° ELBOW 10 EA.
22 1/2° ELBOW 5 EA.
11 1/4° ELBOW 7 EA.
STORM DRAIN 7 EA.

NOTES:

- HUNSAKER & ASSOCIATES SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.
- ALL UTILITY INSTALLATION SHALL CONFORM TO LAS VEGAS VALLEY WATER DISTRICT STANDARDS AND THE UNIFORM PLUMBING CODE.
- ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENT HAVE BEEN OBTAINED FROM THE OFFSITE OWNER.
- ALL WORK PERFORMED WITHIN THE PUBLIC RIGHT-OF-WAY AND OUTSIDE THE PROJECT BOUNDARY SHALL BE PERFORMED UNDER A SEPARATE ENCROACHMENT PERMIT ISSUED BY THE CONTROLLING AUTHORITY.
- ALL FIRE HYDRANTS SHALL BE PLACED A MIN. 18" BEHIND BACK OF SIDEWALK.
- CONTRACTOR SHALL PROVIDE A MINIMUM OF 11 FEET SEPARATION BETWEEN WATER MAIN AND SANITARY SEWER MAIN.
- PRIOR TO CONSTRUCTION CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS AND SHALL CONTACT ENGINEER IF ANY DISCREPANCIES ARE FOUND.
- FIRE HYDRANT STATIONING REFERENCES TEE LOCATION.
- ADD 3100' TO ALL ELEVATIONS SHOWN.
- ALL STREETS WITHIN SUBDIVISION ARE PUBLIC STREETS, P.U.E.s AND CITY OF LAS VEGAS SEWER EASEMENTS.
- A 1" X 3/4" ANGLE METER STOP AND 3/4" METER BOX WILL BE REQUIRED WITH THE 1" SERVICE LATERALS FOR ALL SERVICES WITH 5/8" OR 3/4" SERVICES. DETAILS OF THE ABOVE INSTALLATION ARE AVAILABLE FROM THE ENGINEERING SERVICES DIVISION AND FROM THE DISTRICT'S INSPECTORS.

LEGEND:

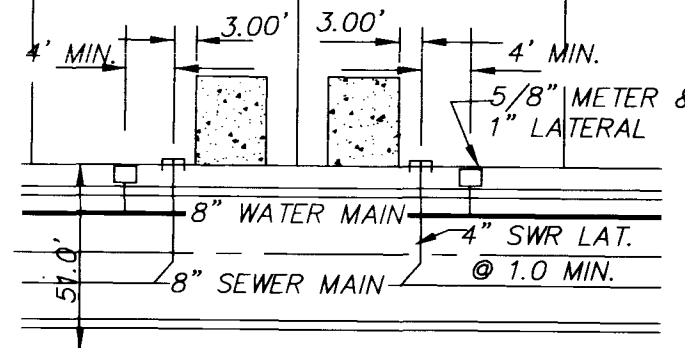
- PROPOSED PVC SEWER MAIN WITH 4" MANHOLE
- PROPOSED PVC WATER MAIN AND GATE VALVE
- PROPOSED FIRE HYDRANT ASSEMBLY PER SIS DWGS U-13 AND U-33
- EXISTING PVC SEWER MAIN WITH EXISTING MANHOLE
- EXISTING PVC WATER MAIN AND GATE VALVE
- EXISTING FIRE HYDRANT ASSEMBLY
- EXISTING STREET LIGHT
- PROPOSED 1" WATER SERVICE LATERAL WITH 5/8" METER, STUB & PLUG
- PROPOSED 4" SEWER LATERAL AND CLEANOUT
- PROPOSED DRIVEWAY LOCATIONS
- PROPOSED 100W HPS STREETLIGHT
- PROPOSED 1-1/4" STREETLIGHT CONDUIT
- PROPOSED 3 1/2" PULLBOX
- SERVICE POINT
- INSTALL BACK WATER VALVE
- INSTALL PRESSURE REDUCING VALVE

KEY NOTES:

- INSTALL BLOWOFF ASSEMBLY
- INSTALL 8" GATE VALVE
- INSTALL 8"x6" TEE, 6" GATE VALVE, AND FIRE HYDRANT ASSEMBLY PER SIS U-13 AND U-33.
- INSTALL 8" TEE W/THRUST BLOCK
- INSTALL 90° ELBOW W/THRUST BLOCK
- INSTALL 45° ELBOW W/THRUST BLOCK
- INSTALL 22 1/2° ELBOW W/THRUST BLOCK
- INSTALL 8"x6" TEE W/THRUST BLOCK
- REMOVE PLUG AND CONNECT TO EXISTING 8" WATER STUB.
- INSTALL 45° ELBOW AND 11 1/4° ELBOW W/THRUST BLOCK
- INSTALL 11 1/4° ELBOW W/ THRUST BLOCK
- INSTALL IRRIGATION SLEEVES PER SIS DWG. NO. U-18.
- DIP WATER MAIN BELOW STORM DRAIN SEE DETAIL "M" SHEET 24
- INSTALL 3 1/2" PULLBOX
- INSTALL 125 AMP 240V PAD MOUNT SERVICE

TYPICAL LATERAL LOCATION

LATERAL NOTES:
WATER & SEWER SERVICE LATERALS SHALL BE INSTALLED IN SEPARATE TRENCHES A MINIMUM OF 48" APART. WATER LATERALS SHALL BE A MINIMUM OF 12" ABOVE THE SEWER LATERAL (REF. UNIFORM PLUMBING CODE). WATER LATERAL SHALL BE PLACED 18" ABOVE SEWER MAINS AND LATERALS AT CROSSINGS.



SIDEWALK RAMP TABLE:

RAMP	"A"	"B"
SW1	8.0	8.0
SW2	21.5	4.5
SW3	4.5	4.5
SW4	4.5	21.5
SW5	4.5	9.5
SW6	15.	4.5
SW7	9.5	4.5

BENCHMARK

CITY OF LAS VEGAS BENCHMARK 0LV001954 RIVET & PLATE IN TOP OF CURB NW SIDE OF TOWN CENTER DRIVE & SOUTH CIRCLE ISLAND.
ELEVATION = 2728.37 NAVD 1988 (831.6074 M)

Avoid cutting underground utility lines. It's costly.
Call before you Dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

Avoid overhead power line contact.
Call before you OVERHEAD
1-702-593-6111
NEVADA POWER ENVIRONMENT
SAFETY SERVICES DEPARTMENT

Quality Control checked by:

