

1. HUNSAKER & ASSOCIATES SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.
2. ALL UTILITY INSTALLATION SHALL CONFORM TO LAS VEGAS VALLEY WATER DISTRICT STANDARDS AND THE UNIFORM PLUMBING CODE.
3. 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.
4. ALL FIRE HYDRANTS SHALL BE PLACED A MIN. 18" BEHIND BACK OF DRIVE. SEE SHEET P & Q FOR DETAIL.
5. CONTRACTOR SHALL PROVIDE A MINIMUM OF 11 FEET SEPARATION BETWEEN SEWER MAINS AND 8' SEWER MAIN.
6. PRIOR TO CONSTRUCTION CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE WATER UTILITY LOCATION AND CONDITIONS AND SHALL CONTACT ENGINEER IF ANY DISCREPANCIES ARE FOUND.
7. FIRE HYDRANT STATIONING REFERENCES THE LOCATION.
8. ADD 2400' TO ALL ELEVATIONS SHOWN.

80 ERU @ 90,000 GPD/EACH
APPROXIMATELY 19,726 GPD TOTAL
PEAK FACTOR = 3.3
APPROXIMATE PEAK FLOW = 65,095 GPD

8" SEWER LINE	2729 L.F.
4" SEWER SERVICE LATERALS	80 EA.
SEWER MANHOLES	15 EA.

8" WATER LINE	2205 L.F.
6" WATER LINE	480 L.F.
1" WATER SERVICE LATERALS W/ 5/8" METER	60 L.F.
8" GATE VALVES	5 EA.
FIRE HYDRANT ASSEMBLY	6 EA.
8" TEES	3 EA.
BLOWOFF ASSEMBLY	4 EA.
80'X 6" TEE	1 EA.
90' ELBOW	1 EA.
8'X 6" REDUCER	2 EA.
22 1/2' ELBOW	1 EA.
11 1/4' ELBOW	1 EA.

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.

NO SCALE

A.P.N. 138-09-801-010

ALL VALVES MUST BE IN THE
CLOSED POSITION PRIOR TO
REMOVING CAPS.

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

PROPOSED PVC SEWER MAIN WITH 4' MANHOLE

PROPOSED PVC WATER MAIN AND GATE VALVE

PROPOSED FIRE HYDRANT ASSEMBLY

EXISTING PVC SEWER MAIN WITH EXISTING MANHOLE

EXISTING PVC WATER MAIN AND GATE VALVE

EXISTING FIRE HYDRANT ASSEMBLY

PROPOSED 1" WATER SERVICE LATERAL WITH 5/8" METER, STUB & PLUG

PROPOSED 4" SEWER LATERAL AND CLEANOUT

PROPOSED DRIVEWAY LOCATIONS

EXISTING STREET LIGHT

PROPOSED STREET LIGHT

PROPOSED STREET LIGHT CONDUIT

PROPOSED NO. 3 1/2" PULL BOX

SCALE: 1"=40'

6 NORTHSHORE - PHASE II
LOT "H"
APN# 138-09-301-010
5 4

APN# 138-09-404-001

PROJECT BOUNDARY

BENCHMARK

CITY OF LAS VEGAS BENCHMARK, STATION 0LV0016NNWS
RIVET & PLATE IN TOP OF CURB, SW RETURN OF CHEYENNE AVENUE
AND SOARING GULLS DRIVE.
ELEVATION = 2430.417' (NAVD88)

BENCHMARK COORDINATION

THE CITY OF LAS VEGAS BENCHMARK USED FOR THIS PLAN (SHOWN ABOVE) IS 2.43' HIGHER THAN THE CITY OF LAS VEGAS BENCHMARK USED BY VTN NEVADA (BM# 01V0017NES) FOR NORTHSHORES PHASE 1A IMPROVEMENT PLANS. THE CITY OF LAS VEGAS REFERENCE NUMBER FOR THESE PLANS IS 107Y-4318-1A.

1. INSTALL BLOWOFF ASSEMBLY
2. INSTALL 8" GATE VALVE
3. INSTALL 8"X6" TEE, 6" GATE VALVE, AND FIRE HYDRANT ASSEMBLY.
4. INSTALL 8" B" W/THRUST BLOCK
5. INSTALL 90° ELBOW W/THRUST BLOCK
6. INSTALL 8" X 6" TEE
7. INSTALL 22 1/2" ELBOW W/THRUST BLOCK
8. INSTALL 8" X 6" TEE W/THRUST BLOCK
9. REMOVE PLUG AND CONNECT TO EXISTING 8" WATER STUB.
10. INSTALL NO. 3 1/2 PULL BOX PER CITY STANDARDS
11. INSTALL 11" 1/4 ELBOW W/THRUST BLOCK

FIRE DEPARTMENT NOTES:

FIRE FLOW REQUIREMENT IS 1500 GALLONS PER
MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL

BASED ON

SQUARE FOOTAGE 1100 - 1700 SF

LARGEST AREA BETWEEN SEPARATION WALLS N/A

HEIGHT TWO-STORY 28' MAX HEIGHT

TYPE OF CONSTRUCTION TYPE V-N

EXPOSURES N/A

SPRINKLER SYSTEM N/A

OCCUPANCY RESIDENTIAL

ROOF CONSTRUCTION STANDARD TILE ROOFING

REVIEWED BY _____

DATE _____

APPROVALS:

Aaron Marshall 2.2.95
G.L. FIRE DEPARTMENT DATE

H Parrybrooke 3.17.95
L.V.V.W.D DATE

NORTHCROPES - PHASE I

LOT "C" UNIT 1

LAS VEGAS NEVADA

SECRET

PLAN

SCALE(H): 1"= 40'
SCALE(V): 1"= --
DES.BY: LLC
DWN.BY: LLC
DATE: 2/95
PROJECT NO. 1221-16
SHEET 5 OF 9

307Y-4318-1-G1

11-12-82