

LAS VEGAS FIRE DEPARTMENT

Fire Flow Requirement 1,500 gallons per minute at 20 pounds per square inch residual.

Based on:

Square footage 1,877

Largest area between area separation walls

Height 8

Type of Constr. IN

Exposures

Sprinkler System NA

Occupancy SINGLE FAMILY

Roof Constr. TILE

Reviewed By:

Date:

FIRE DEPT.

- All work shall be done in strict accordance with the City of Las Vegas Fire Department "Hydrant Specifications", "Hydrant Installation Specifications" and Ordinance #3318.
- Authorized hydrants for this project are:
A - Kennedy Guardian
B - Mueller A-423 Centurian
C - Clow Model 2546 Medallion
- On any new home or building construction, accessible fire hydrants shall be installed before combustible construction commences and said fire hydrants shall be in good working order with an adequate water supply.
- Contractor shall place a green reflective marker at centerline of street adjacent to fire hydrants.
- Call the Las Vegas Fire Department at 383-2888 for underground inspection, pressure and flush verification of all private fire hydrants and fire lines before covering.
- Painting of the curbs and hydrant and any work necessary for protection of hydrants from physical damage per Ordinance #3318 shall be completed before approval by the City of Las Vegas Fire Department.
- A permit is required from the Fire Department for water line and fire hydrant installations on the private side of the meter.
- A flow test must be witnessed by the Fire Department for verification of on-site water supply.
- All on-site fire main materials must be U.L. listed and F.M. approved.
- Fire hydrant spacing:
Residential - 500 ft. Maximum
Commercial, including multi-family - 500 ft. Maximum
Fire hydrants shall be located within 500 ft. of any construction or combustible open storage.
- No fire hydrant shall be located within the required radius of a cul-de-sac or within 20 ft. of the perimeter of the radius of the cul-de-sac.
- No fire hydrant shall be located within 6 ft. of any curb return, driveway, power pole, street light or any other obstruction.
- Ensure that fire hydrants are connected to a dependable water supply capable of supplying the required fire flow.

L.V.V.W.D.

- ALL WORK TO CONFORM TO LAS VEGAS VALLEY WATER DISTRICT LATEST STANDARD PLATES AND SPECIFICATIONS.
- ALL WORK, EXCEPT AS NOTIFIED HEREON OR BY NOTE NO. 1, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS CLARK COUNTY AREA.
- NOTICE TO BE GIVEN ENGINEERING DEPARTMENT OF THE LAS VEGAS VALLEY WATER DISTRICT 48 HOURS PRIOR TO ACTUAL CONSTRUCTION.
- 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.
- ALL LINES TO BE PRESSURE TESTED TO 200 PSI.
- DEFLECTION ANGLE SHALL NOT EXCEED 2 1/2 DEGREES PER 13 FOOT SECTION OF PIPE FOR PIPE SIZES SMALLER THAN 14 INCHES, AND SHALL NOT EXCEED 2 DEGREES FOR PIPE SIZES BETWEEN 14" AND 16".
- ALL METERS SHALL BE LOCATED OUTSIDE OF DRIVEWAYS.
- DETECTOR TAPE REQUIRED IN ACCORDANCE WITH STANDARD PLATE NO. 27 WHERE INDICATED AND AS FOLLOWS:
A. OVER ALL MAINS NOT INSTALLED AT 6 FEET FROM BACK OF CURB.
B. OVER ALL SERVICE LATERALS NOT INSTALLED AT RIGHT ANGLES TO MAINS.
- CALL BEFORE YOU DIG - 1-800-227-2600.
- SERVICE LATERALS FOR LOTS WILL BE TAPPED ON EXISTING MAIN BY OWNER'S CONTRACTOR UNDER DIRECTION OF THE LAS VEGAS VALLEY WATER DISTRICT.

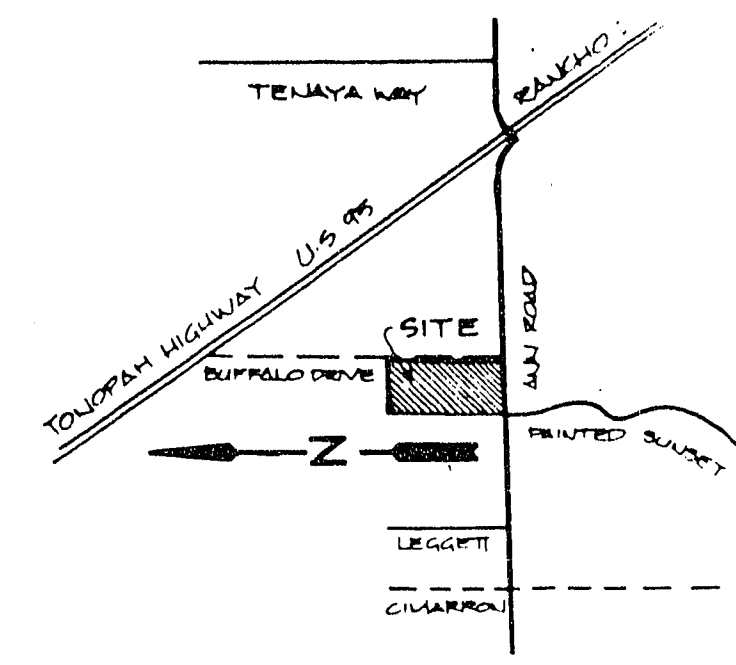
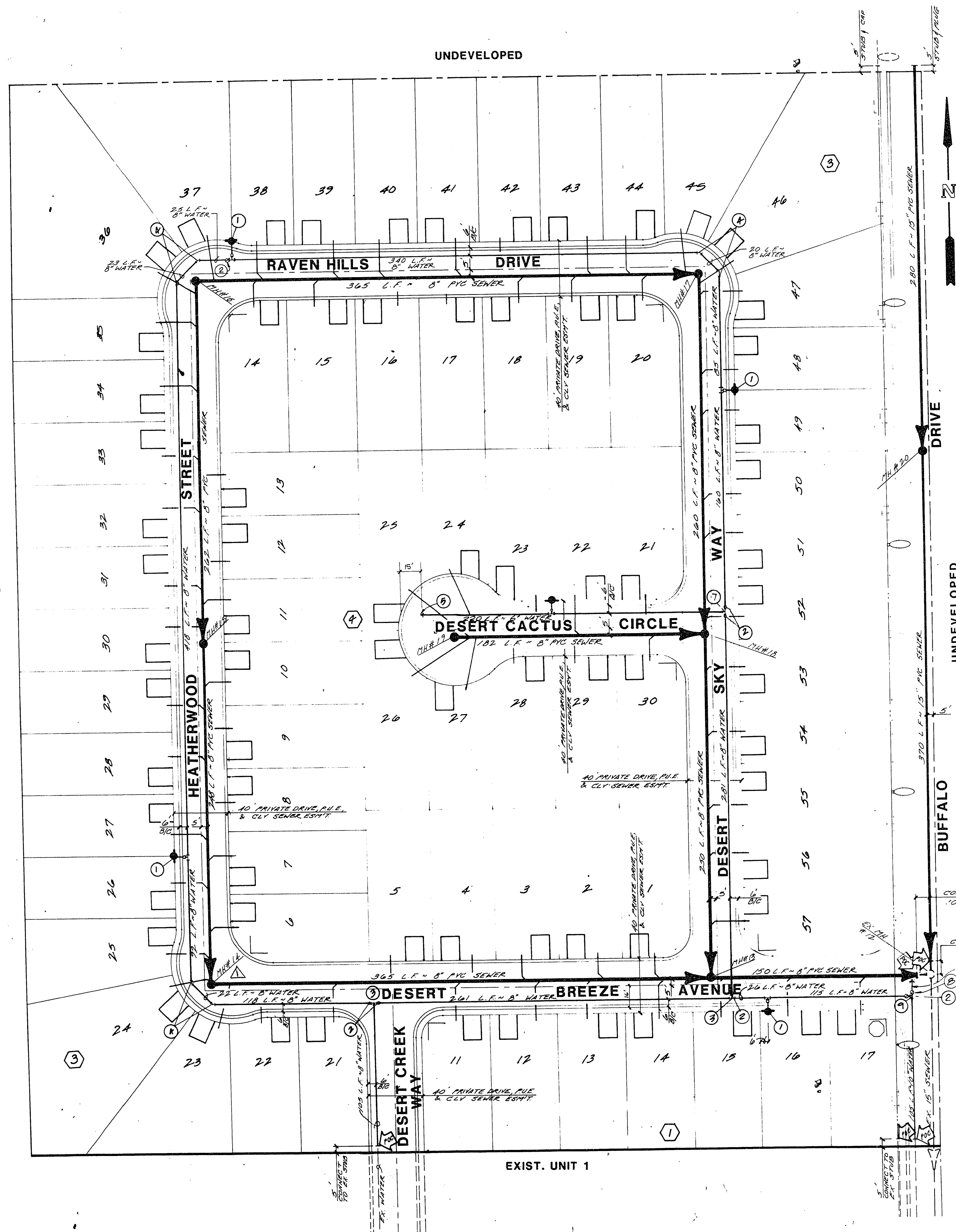
SEWER

- ALL SANITARY SEWER INSTALLATIONS SHALL CONFORM TO THE STANDARD DETAILS AND SPECIFICATIONS OF THE CITY OF LAS VEGAS, AND SHALL ALSO CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, LATEST EDITION, UNLESS OTHERWISE NOTED.
- CHISEL "5" OR "6" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
- POLYVINYL CHLORIDE (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, AND INSTALLED WITH SAND BEDDING AND BACKFILL OR TYPE II GRAVEL.
- ALL MANHOLES IN PAVED STREETS 80' R/W AND LARGER, SHALL HAVE CONCRETE COLLARS.
- TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO 12" DIA. SIZE. CONNECTIONS TO 15" OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES.

STREETLIGHTS

- ALL STREET LIGHT INSTALLATIONS SHALL CONFORM TO THE STANDARD DETAILS AND SPECIFICATIONS OF THE CITY OF LAS VEGAS, AND SHALL ALSO CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, LATEST EDITION, UNLESS OTHERWISE NOTED.

UNDEVELOPED



VICINITY MAP

QUANTITY ESTIMATE

WATER

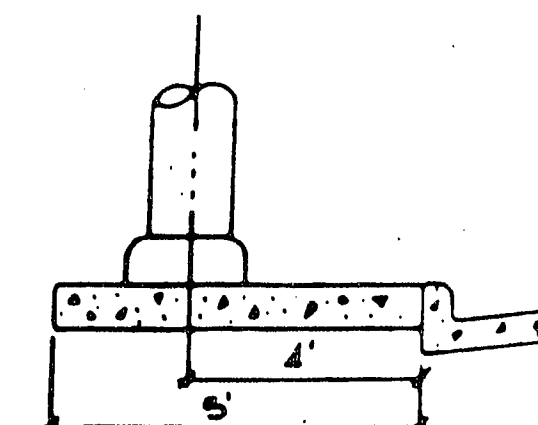
①	FIRE HYDRANT & ASSY. _____	5 EA
②	8" GATE VALVE _____	7 EA
③	10" GATE VALVE _____	1 EA
④	8" TEE _____	2 EA
⑤	10" X 8" TEE _____	1 EA
⑥	8" 45° BEND _____	6 EA
⑦	2" B.O. _____	2 EA
⑧	8" 90° BEND _____	1 EA
⑨	8" X 6" TEE _____	1 EA
	10" WATER MAIN _____	200 L.F.
	10" WATER MAIN _____	113
	8" WATER MAIN _____	200 L.F.
	3/4" SERVICE W/ 9/8" METER _____	74 EA

SEWER

STANDARD MANHOLE	8 EA
SERVICE WYES	24 EA
8" PVC SEWER	2087 LF
4" SERVICE LATERAL	2017 LF

STREETLIGHT & MISC.

1	100 WATT LUMINAIRE	2 EA
2	1/4" PVC CONDUIT	780 LF
3	STREET NAME SIGN	7 EA
4	STOP SIGN	1 EA
5	TYPICAL DRIVEWAY LOCATION	
6	100' POINT OF CONNECTION	



PUBLIC STREET STREETLIGHT LOCATION DETAIL

APPROVAL

<i>Greg Fay</i>	11-9-87
LAS VEGAS VALLEY WATER DISTRICT	DATE
<i>Greg Fay</i>	9-25-89
NEVADA POWER	DATE
<i>Chris J. Mendenhall</i>	11/8/89
CLV FIRE MARSHALL	DATE

THIS NEVADA POWER COMPANY APPROVAL IS STREET LIGHT CLEARANCES ONLY.

MASTER UTILITY PLAN

DESERT CREEK - UNIT 2

3803-2

RLM

SEPT. 89

1:40'

4

3074-4074-2

HONEST CORP.

LAS VEGAS, NEVADA

vtm nevada

CONSULTING ENGINEERS - PLANNERS