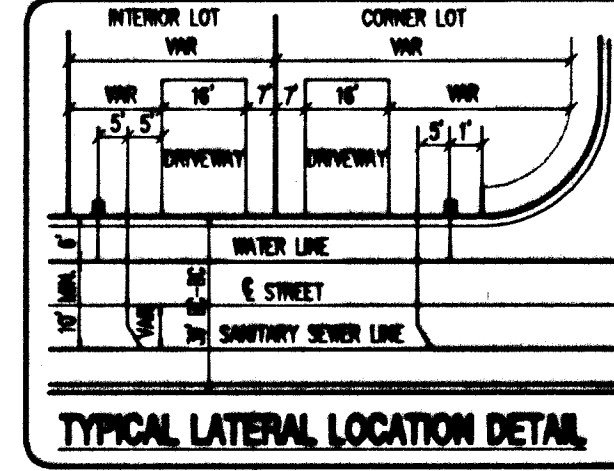
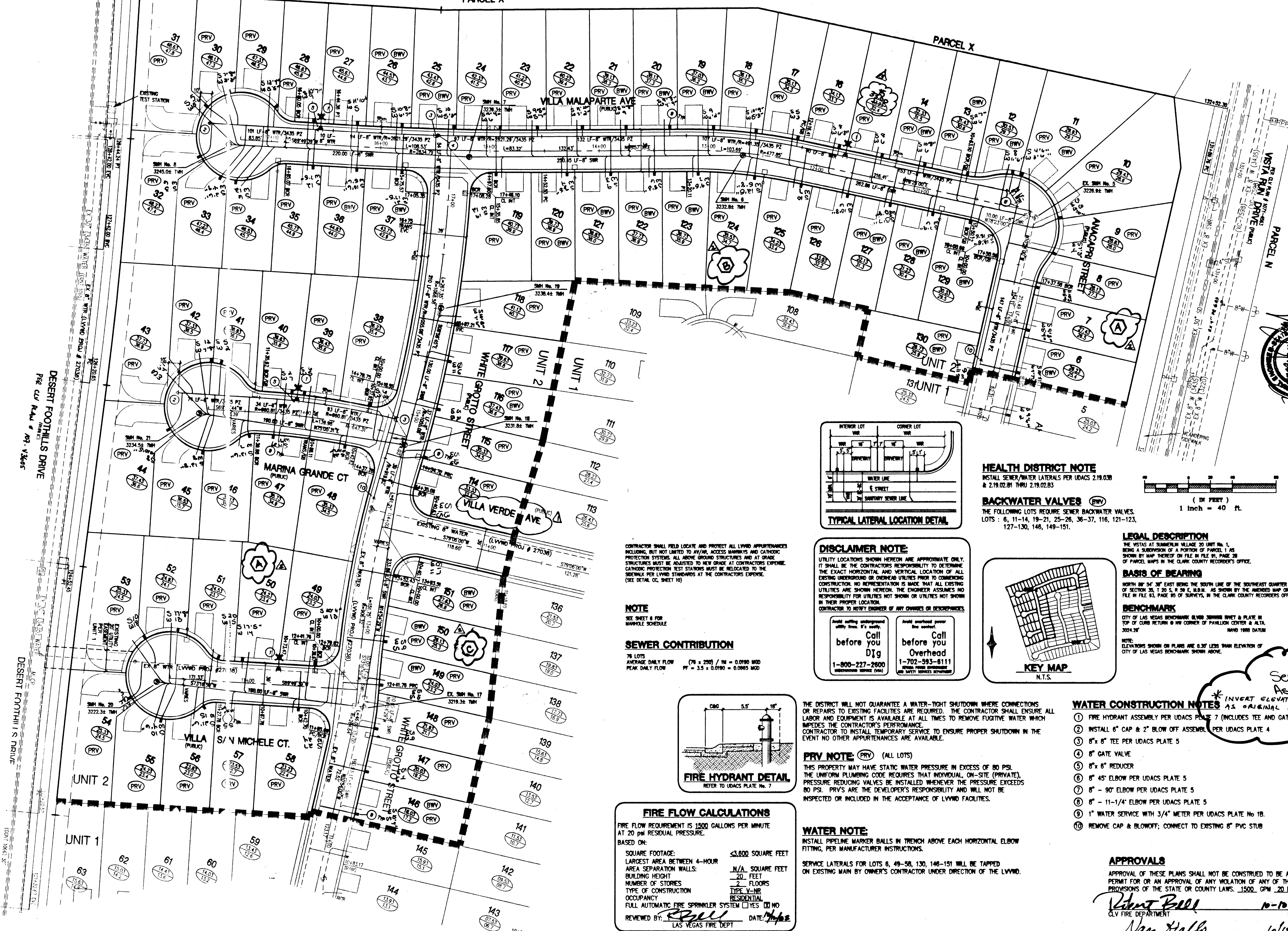
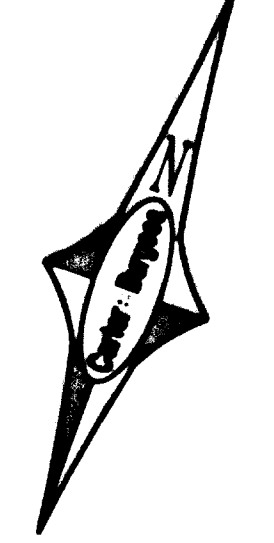
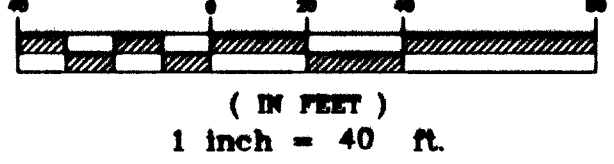




HEALTH DISTRICT NOTE
INSTALL SEWER/WATER LATERALS PER UDACS 2.19.03B & 2.19.02.B1 THRU 2.19.02.B3

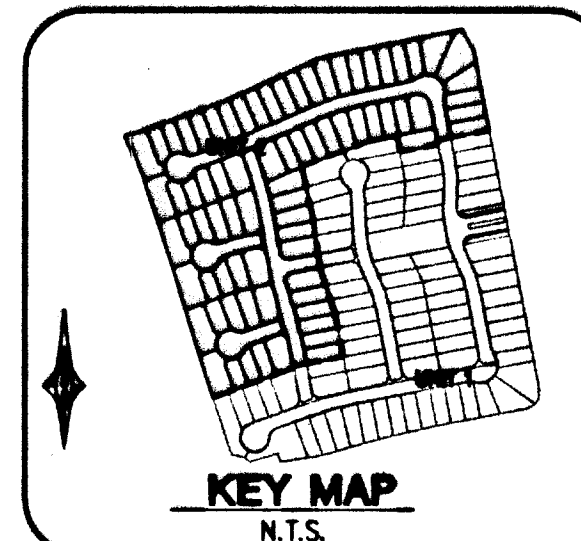
BACKWATER VALVES (BWV)
THE FOLLOWING LOTS REQUIRE SEWER BACKWATER VALVES:
LOTS : 6, 11-14, 19-21, 25-26, 36-37, 116, 121-123, 127-130, 148, 149-151.



DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

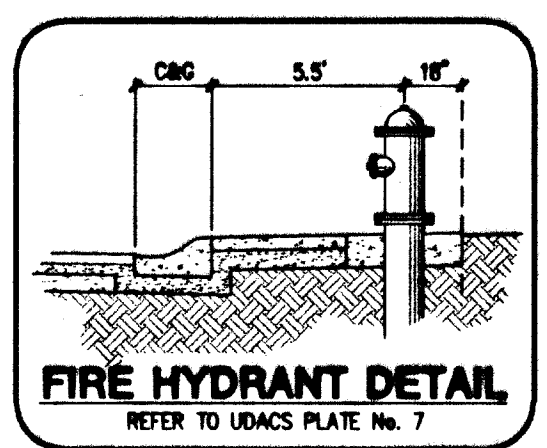
Call before you Dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

Call before you Overhead
1-702-593-6111
OVERHEAD SERVICE (USA)



NOTE
SEE SHEET 8 FOR MANHOLE SCHEDULE

SEWER CONTRIBUTION
76 LOTS
AVERAGE DAILY FLOW (76 x 250) / 24 = 0.0190 MGD
PEAK DAILY FLOW PF = 3.5 x 0.0190 = 0.0665 MGD



FIRE FLOW CALCULATIONS
FIRE FLOW REQUIREMENT IS 1500 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.
BASED ON:
SQUARE FOOTAGE: 6,600 SQUARE FEET
LARGEST AREA BETWEEN 4-HOUR: N/A SQUARE FEET
AREA SEPARATION WALLS: 20 FEET
BUILDING HEIGHT: 2 FLOORS
NUMBER OF STORIES: TYPE V-NR
TYPE OF CONSTRUCTION: RESIDENTIAL
OCCUPANCY: FULL AUTOMATIC FIRE SPRINKLER SYSTEM (YES) NO
REVIEWED BY: [Signature] DATE: 10/15/02
LAS VEGAS FIRE DEPT

THE DISTRICT WILL NOT GUARANTEE A WATER-TIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO EXISTING FACILITIES ARE REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE AT ALL TIMES TO REMOVE FUGITIVE WATER WHICH IMPEDES THE CONTRACTOR'S PERFORMANCE.
CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPURTENANCES ARE AVAILABLE.

PRV NOTE (PRV) (ALL LOTS)
THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRVS ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVWD FACILITIES.

WATER NOTE:
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER MANUFACTURER INSTRUCTIONS.
SERVICE LATERALS FOR LOTS 6, 49-58, 130, 146-151 WILL BE TAPPED ON EXISTING MAIN BY OWNER'S CONTRACTOR UNDER DIRECTION OF THE LVWD.

- WATER CONSTRUCTION NOTES**
- 1 FIRE HYDRANT ASSEMBLY PER UDACS PLATE 7 (INCLUDES TEE AND GATE VALVE)
 - 2 INSTALL 6" CAP & 2" BLOW OFF ASSEMBLY PER UDACS PLATE 4
 - 3 6" x 8" TEE PER UDACS PLATE 5
 - 4 8" GATE VALVE
 - 5 8" x 6" REDUCER
 - 6 8" 45° ELBOW PER UDACS PLATE 5
 - 7 8" - 90° ELBOW PER UDACS PLATE 5
 - 8 8" - 11-1/4" ELBOW PER UDACS PLATE 5
 - 9 1" WATER SERVICE WITH 3/4" METER PER UDACS PLATE No 1B.
 - 10 REMOVE CAP & BLOWOFF; CONNECT TO EXISTING 8" PVC STUB

APPROVALS
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS, 1500 GPM 20 PSI.

Robert Bell
CLV FIRE DEPARTMENT
DATE: 10-10-02

Nass Halls
LAS VEGAS VALLEY WATER DISTRICT
DATE: 10/15/02

Sewer As-built
*INVERT ELEVATIONS SAME AS ORIGINAL PLAN.

KBHOME

750 Pilot Road, Suite F
Las Vegas, Nevada 89119
(702) 614-2500

Carter-Burgess
Consultants in Planning, Engineering,
Construction Management, and Public Services

6655 Bermuda Road
Las Vegas, NV 89119
(702) 538-5600 Fax (702) 538-5464

UTILITY PLAN

CAPRI - UNIT 2 • THE VISTAS
PARCEL Y • SUMMERLIN V-20

DRAWN BY: KAC
DESIGNED BY: [Signature]
CHECKED BY: MSW
PROJECT NO: 200240
SCALE: 1"=40' HORIZ. VERT. N/A

ENGINEER
RICHARD LOZAN
No. 14716
10/15/02

SHEET 8
8 OF 10 SHEETS
CLV DRAWING NO.
3007Y-4729-2

REVISION

NO.	DATE	BY	REVISION
1	10/15/02	MSW	ADD BLACK LETTERS
2	10/15/02	MSW	STREET NAME CHANGE