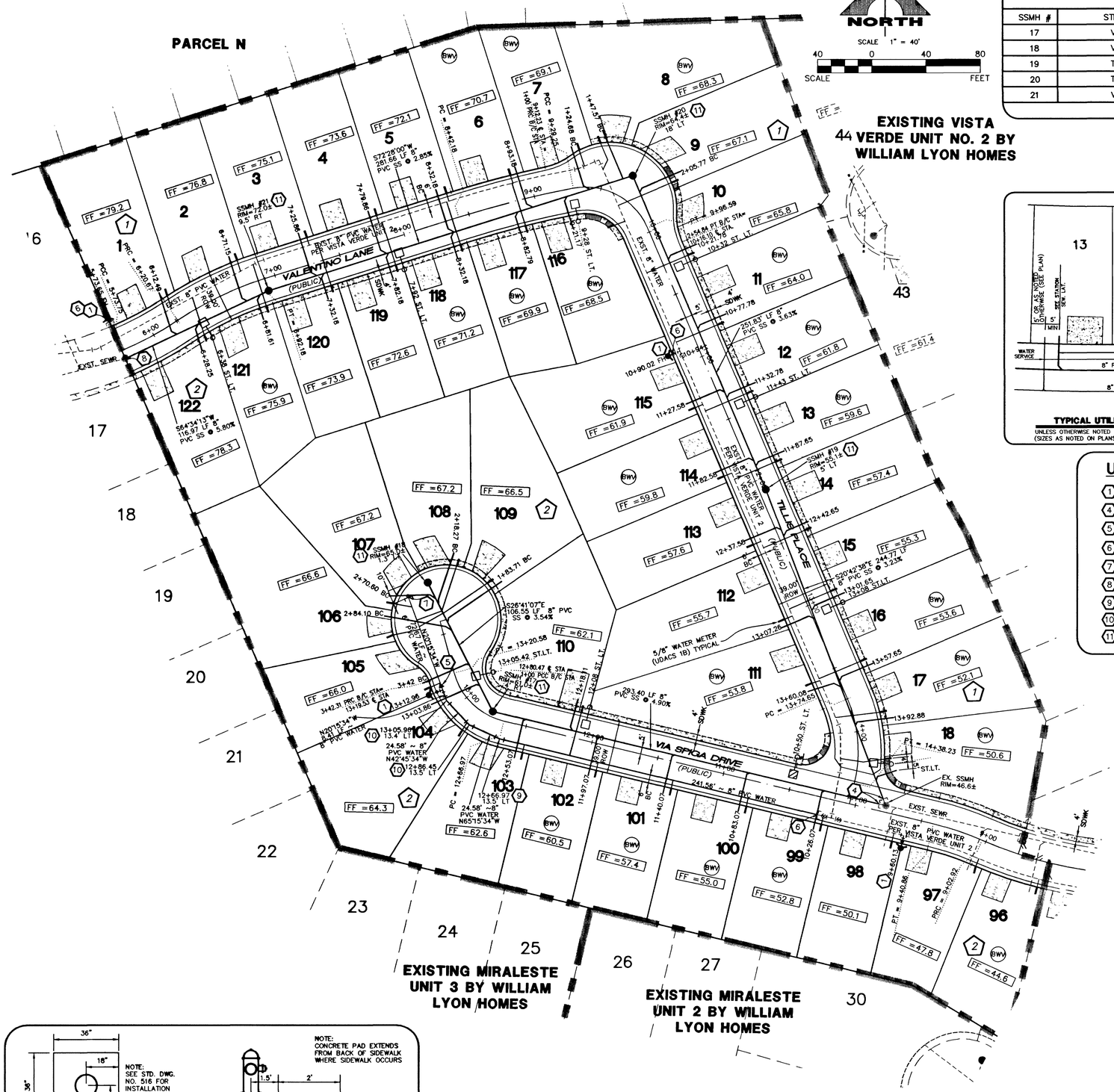
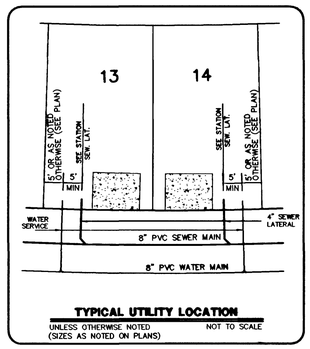


SEWER MANHOLE TABLE

SSMH #	STREET ALIGNMENT	STATION	OFFSET	RIM	INV. ELEV. N	INV. ELEV. E	INV. ELEV. S	INV. ELEV. W
17	VIA SPIGA DRIVE	12+77.41	4'-RT	3161.0±	–	3152.03	–	3152.23
18	VIA SPIGA DRIVE	13+89.98	1.3'-LT	3165.0±	–	3156.00	–	–
19	TILLIS PLACE	12+08.66	5'-LT	3155.1±	3145.68	–	3145.48	–
20	TILLIS PLACE	9+65.39	18'-LT	3164.4±	–	–	3154.82	3155.02
21	VALENTINO LANE	6+92.18	9.5'-RT	3172.0±	–	3163.05	–	3163.25

SEWER

DAILY AVERAGE: 45 ERU'S x 250 GPD/ERU = 11,250 GPD
PEAK FLOW: 11,250 X 3.4 (PF) = 38,250 GPD



TYPICAL UTILITY LOCATION
UNLESS OTHERWISE NOTED (SIZES AS NOTED ON PLANS) — NOT TO SCALE

NOTE

ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

PROJECT NAME: Vista Verde Commercial Unit 3

This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is

NOT APPROVED FOR CONSTRUCTION

at this time and this signature does not provide or imply a water commitment.

LVVWD #52 — DATE 4/29/03

UTILITY LEGEND

- (1) BLOCK NUMBER
- W — WATER LINE
- W — EXISTING WATER LINE
- 5/8" WM (UDACS 1B) (TYPICAL)
- G.V. — GATE VALVE
- EX. G.V. — EXISTING GATE VALVE
- CAP W/ 2" BLOW OFF
- EXISTING FIRE HYDRANT
- FIRE HYDRANT
- BWV — BACK WATER VALVE
- SEWER LATERAL
- SEWER LINE/SSMH
- EX. SMH — EXISTING SEWER MANHOLE
- CONCRETE DRIVEWAY
- FF =19.9 — FINISH FLOOR
- SUMMERLIN TYPE 3B 100W HPS LUMINAIRE
- SUMMERLIN TYPE 3A 150W HPS LUMINAIRE

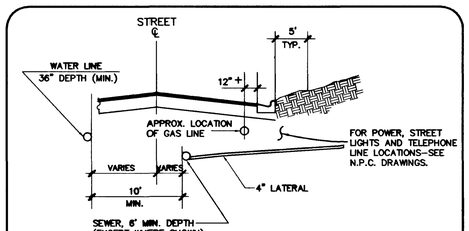
UTILITY CONSTRUCTION NOTES

1. FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 7
4. REMOVE CAP AND CONNECT TO EXISTING SEWER
5. 8" X 6" REDUCER
6. REMOVE BLOW OFF ASSEMBLY & CAP. CONNECT TO EXISTING WATER
7. INSTALL 2" BLOW OFF ASSEMBLY W/ CAP PER UDACS PLATE NO. 4
8. CONNECT TO EXISTING SSMH
9. 8" – 11 1/4° FITTING
10. 8" – 22 1/2° FITTING
11. 48" STD. ECCENTRIC MANHOLE PER DCSWCS DRAWING NO. SD-1

NOTE TO CONTRACTOR
SERVICE LATERALS FOR LOTS 1–18, 96–99, 111–122 WILL BE TAPPED ON EXISTING MAIN BY OWNER'S CONTRACTOR UNDER DIRECTION OF THE LVVWD.

NOTE TO CONTRACTOR
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER MANUFACTURER INSTRUCTIONS.

NOTE TO CONTRACTOR
ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES.



UNDERGROUND UTILITIES LOCATION
TYPICAL STREET SECTION

APPROVED FOR CONSTRUCTION
CLV FIRE DEPARTMENT — DATE 4/27/03

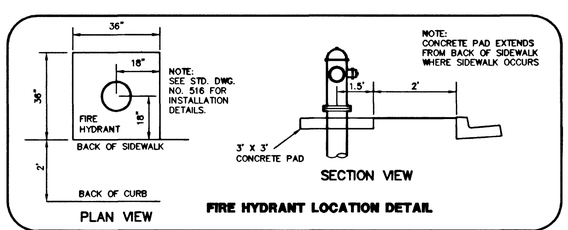
APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT — DATE 8/18/03

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 1500 gallons per minute at 20 psi residual pressure.

Based on: BUILDING A:

SQUARE FOOTAGE:	< 3600 SF
LARGEST AREA BETWEEN 4–HOUR AREA SEPARATION WALLS:	N/A SF
BUILDING HEIGHT:	30 FEET
NUMBER OF STORIES:	2
TYPE OF CONSTRUCTION:	TYPE V–N
OCCUPANCY:	R3
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	NO



FIRE HYDRANT LOCATION DETAIL

56632

BASIS OF BEARINGS

NORTH 89°45'05" EAST BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., AS SHOWN BY MAP ON FILE IN FILE 91, PAGE 28 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA

BENCHMARK

BM #	DESC.	NAVD 88 DATUM	NAVD 88 DATUM
OLV09–34SSE6	NDOT BRASS CAP, 50 FEET NORTH OF STATION 787+19.42 OF CHARLESTON BOULEVARD.	3209.81 (FEET)	978.351 (METERS)

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

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. **CALL BEFORE YOU DO OVERHEAD 1-702-593-6111**

G. C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89146
TELEPHONE: (702) 804-2000 • FAX: (702) 804-2399
E:\471-006\dwg\Improv\Unit 3\C-04.dwg

DESIGN: DRAWN: CHECK: ISSUE DATE: ISSUE EDITOR: PLOT DATE:03-28-03 PLOT TIME: 15:06:53 tlefevre

DATE	DESCRIPTION	DATE AGEN. APP	DATE BOW. APP

DATE: 3-28-03

ISSUE DATE/ REV. DATE: X COMPLETE

WILLIAM LYON HOMES
VISTA VERDE AT SUMMERLIN, VILLAGE 20, PARCEL K UNIT NO. 3
UTILITY PLAN

SHEET C-04
4 OF 9 SHTS