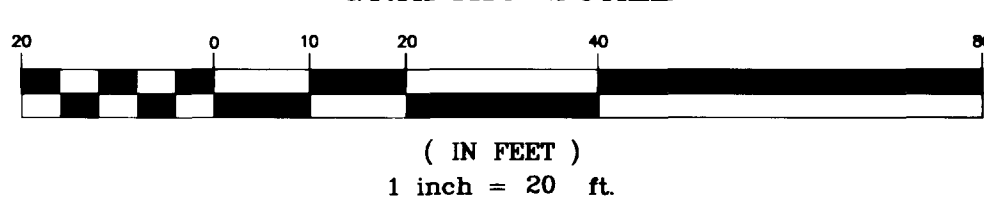


NORTH

ALMOND TREE LANE

GRAPHIC SCALE

EXISTING LATERAL
TO BE ABANDONEDEXIST.
PARKWAY P.J.'S
CASINO

FF=02.00

PROJECT NAME: KFC @ Maryland i SaharaSHEET C5
This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is**NOT APPROVED FOR CONSTRUCTION**

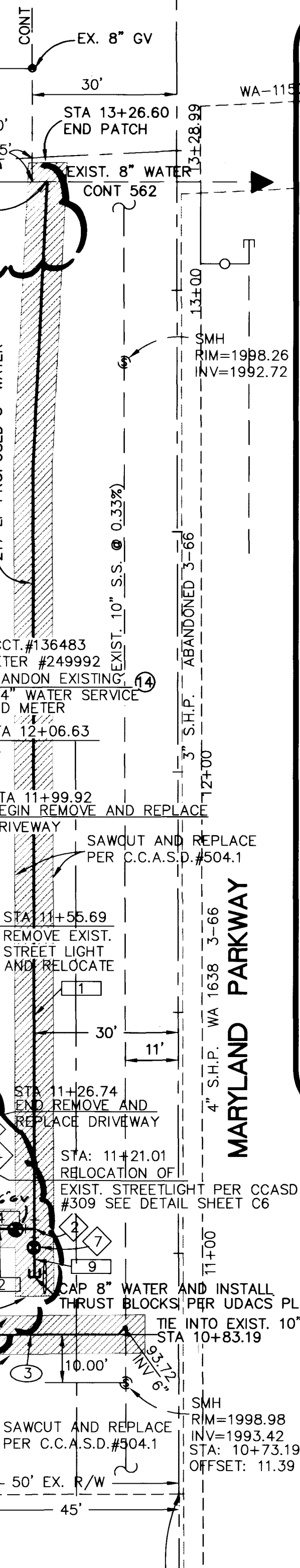
at this time and this signature does not provide or imply a water commitment.

DATE

EXIST.
TACO BELL**BENCHMARK**

6C11 2SW5 ELEVATION = 609.638 METERS (2000.12 FEET)
RIVET AND SQUARE ALUMINUM PLATE IN TOP OF CURB AT THE NORTHEAST
CORNER OF SAHARA AVENUE AND MARYLAND PARKWAY, NEAR THE
PC OF SAHARA AVENUE.

NOTE:
FOR FIRE HYDRANT AND STREET LIGHT
DETAILS SEE SHEET C6



MARYLAND PARKWAY

**LAS VEGAS VALLEY
WATER DISTRICT NOTES**

- NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, FORTY-EIGHT (48) HOUR NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO A LVVWD INSPECTION.
- ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND THE UNIFORM DESIGN & CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
- ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENT, CLARK COUNTY AREA.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
- ALL SERVICE LATERALS TWO INCHES (2") IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, GUTTERS, CURBS AND ALLEY GUTTERS.
- THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND A SANITARY SEWER OR STORM SEWER LINE CROSS:

A MINIMUM EIGHTEEN INCH (18") VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED OR THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR, AS SHOWN ON THESE PLANS:

- POTABLE WATER SUPPLY QUALITY MATERIAL.
- ENCASEMENT, WITH FOUR INCH (4") CONCRETE (MINIMUM)
- SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.

EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE WATER MAIN, A MINIMUM 10 FOOT (10') DISTANCE PERPENDICULAR TO THE EXTERIOR OF MAIN.

- WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX INCH (6") DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.
- ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED PRIOR TO CONNECTION TO THE LVVWD'S DISTRIBUTION SYSTEM.

SEWER CONTRIBUTION

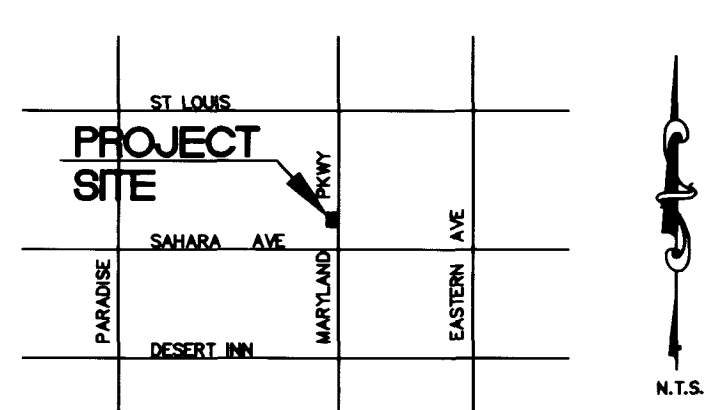
AVG. FLOW
2511 x 0.10 gal/sf/day = 251 gpd
PEAK FLOW
0.0003mgd x 3.4 = 0.00102 mgd
(1020 gpd)

WATER QUANTITIES**PUBLIC**

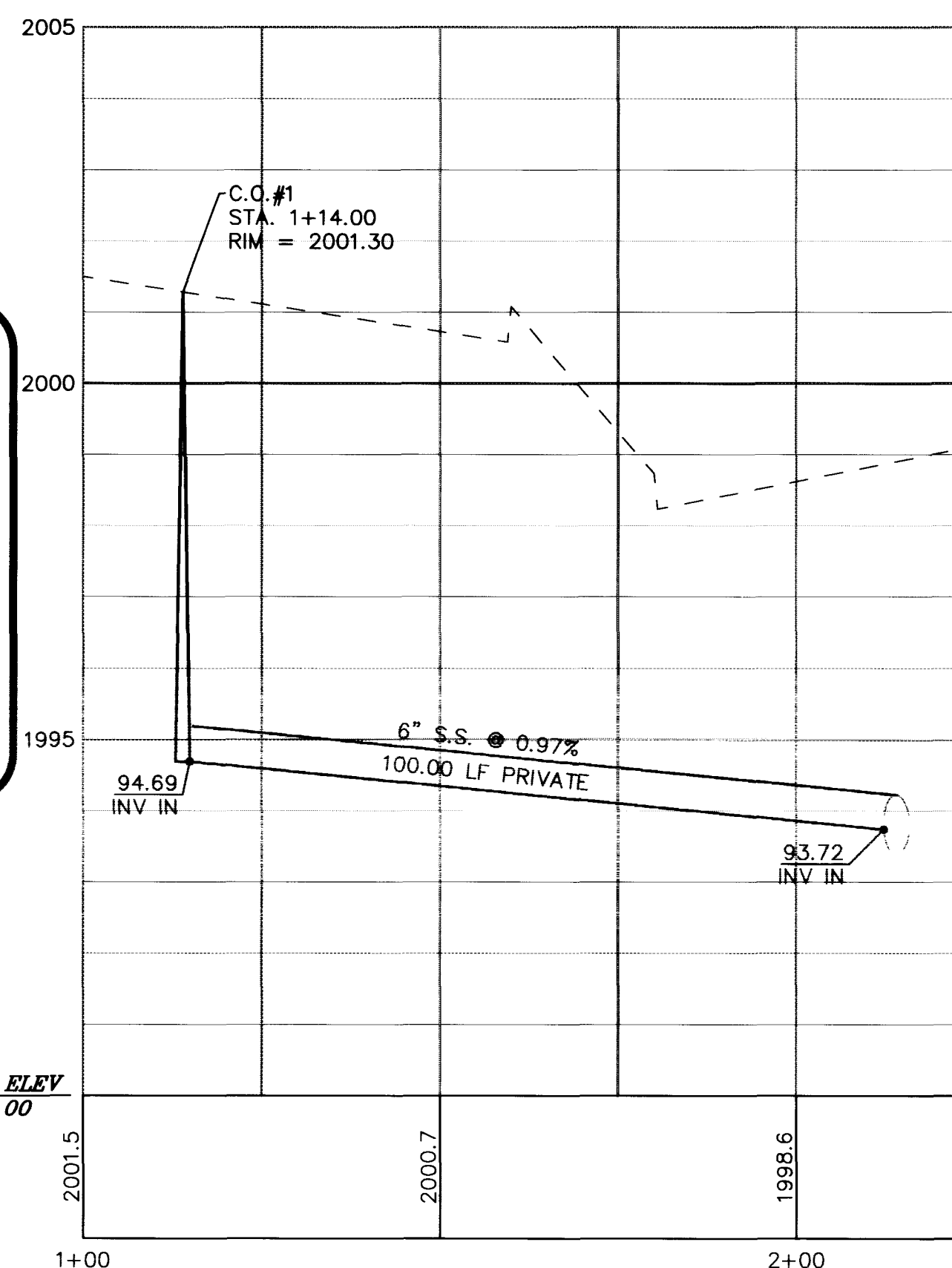
1 1/2" WL	14 LF
6" WL	22 LF
8" WL	227 LF
1 1/2" WATER METER	1 EA
1 1/2" RPPA	1 EA
FIRE HYDRANT	1 EA

PRIVATE

1 1/2" WL	126 LF
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VICINITY MAP**AREA MAP**

NTS

DATUM ELEV
1990.00**SEWER - PROFILE**

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 2'

NOTES

- THE ON-SITE WATER LINES AND APPURTENANCES ARE PRIVATE FACILITIES NOT TO BE OPERATED OR MAINTAINED BY THE CITY OF LAS VEGAS.
- EXISTING SEWER TO BE LOCATED AND ABANDONED. IF LOCATED BENEATH PROPOSED BUILDING, REMOVE.
- FOR CONTINUATION OF WATER AND SEWER LINES REFER TO MECHANICAL/PLUMBING PLAN.

SEWER TABLE

PIPE	DIA (IN)	LF	PIPE	SLOPE (%)
①	6	60.20	SDR35	0.97
②	6	3.00	SDR35	2.00
③	6	39.20	SDR35	0.97

WATER TABLE

PIPE NO.	SIZE (IN)	TYPE OF PIPE	LF
1	8	C900	217.40
2	6	C900	17.00
3	6	C900	5.00
4	1.5		10.00
5	1.5	SCH40	13.42
6	1.5	SCH40	25.00
7	1.5	SCH40	77.32
8	1.5	SCH40	10.00
9	8	C900	10.00
10	1.5		4.00

SEWER CONSTRUCTION NOTES

- INSTALL 6" CLEANOUT W/ 45° BEND

WATER CONSTRUCTION NOTES

- INSTALL FIRE HYDRANT & APPURTENANCES PER UDACS PLATE NO. 7 SEE DETAIL SHEET C6
- INSTALL 8"x8"x8" TEE W/ THRUST BLOCKS PER UDACS PLATE NO. 5
- INSTALL 1-1/2" SERVICE SADDLE
- INSTALL 1-1/2" WATER METER PER UDACS PLATE NO. 10
- INSTALL 1-1/2" RPPA PER UDACS PLATE NO. 11A
- INSTALL 1-1/2" 90° BEND
- INSTALL 8" GATE VALVE
- INSTALL 1-1/2" SWEEPING CURVE (2' MIN. RADIUS)

FIREFLOW DATA

FIRE FLOW REQUIREMENT IS : 1500 gpm
AT 20 psi RESIDUAL PRESSURE.
BASED ON:

SQUARE FOOTAGE : 2596 SQUARE FEET

STATIC PRESSURE: 71.9

TYPE OF CONSTRUCTION : VN

FULL AUTOMATIC FIRE SPRINKLER SYSTEM : NO

REVIEWED BY :

DATE : 1.27.99

Call
before you
Overhead

1-702-593-6111
NEVADA POWER ENVIRONMENT AND
SAFETY SERVICES DEPARTMENT

Call
before you
Dig

1-800-227-2600



KFC, 1900 COLONEL SANDERS LANE LOUISVILLE, KY 40232 ((502) 456-8655

WATER REVISIONS: 045 11/17/99 4/24/00

NO.	DATE	BY	REVISION
1	11/17/99	KS	
2	11/17/99	KS	
3	11/17/99	KS	
4	11/17/99	KS	
5	11/17/99	KS	
6	11/17/99	KS	
7	11/17/99	KS	
8	11/17/99	KS	
9	11/17/99	KS	
10	11/17/99	KS	

6700 S. PARADISE RD. # A-1
6700 S. PARADISE RD. # A-1
PARADISE VALLEY, ARIZONA
PHONE (702) 897-2825
FAX (702) 897-2826

TRICON
5767 MOCKINGBIRD LANE
PARADISE VALLEY, ARIZONA
(602) 609-8745

UTILITY PLAN
KFC AT MARYLAND/SAHARA

ENGINEER'S SEAL
CIVIL
13714
10/17/99

SEPT 2, 1999
SHEET
C5
05 OF 06 SHEETS
DRAWING NO.
107-V3013

