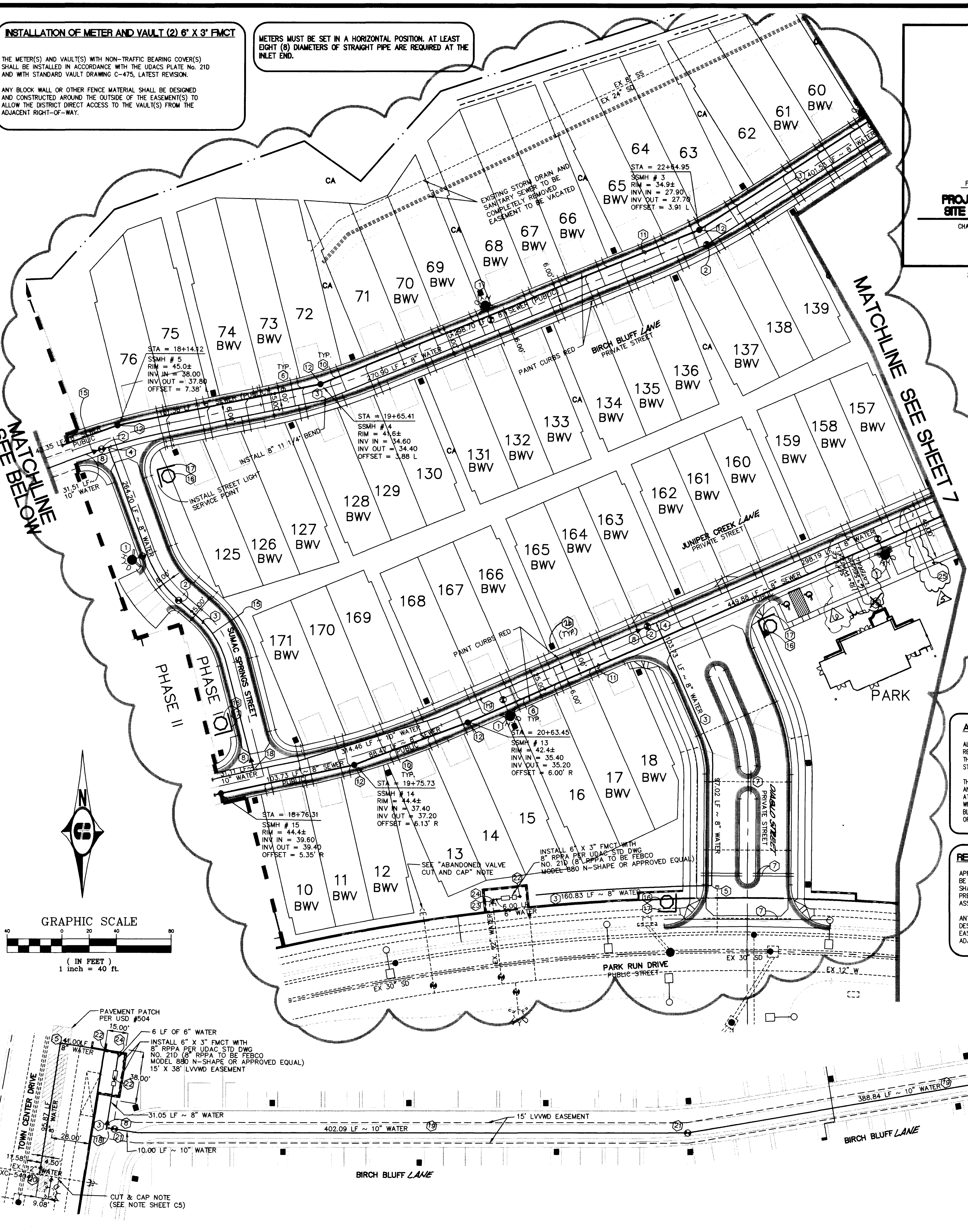
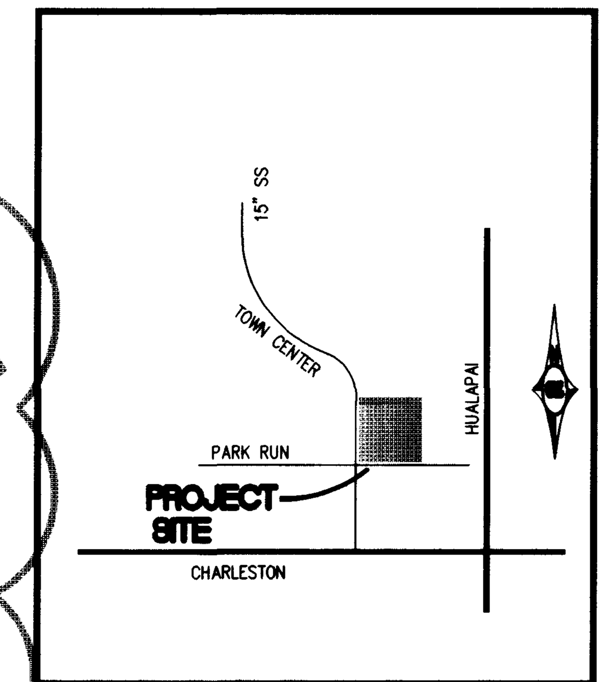
INSTALLATION OF METER AND VAULT (2) 6" X 3" FMCT

THE METER(S) AND VAULT(S) WITH NON-TRAFFIC BEARING COVER(S) SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE No. 21D AND WITH STANDARD VAULT DRAWING C-475, LATEST REVISION.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULT(S) FROM THE ADJACENT RIGHT-OF-WAY.

METERS MUST BE SET IN A HORIZONTAL POSITION. AT LEAST EIGHT (8) DIAMETERS OF STRAIGHT PIPE ARE REQUIRED AT THE INLET END.





SEWER VICINITY MAP
SCALE: NONE

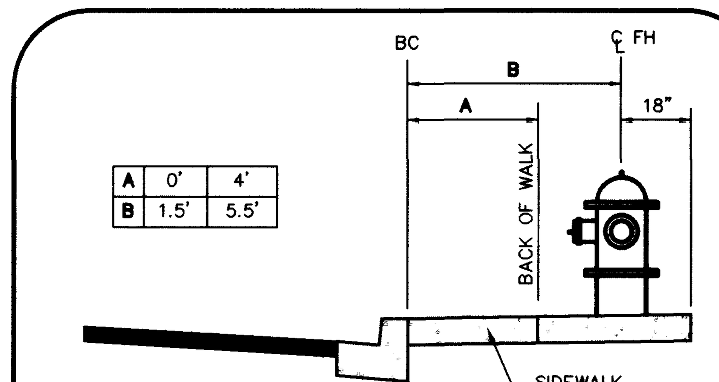
DRIVEWAY AND LATERAL STATION TABLE

* ALL STATIONS IN THIS TABLE ARE AT BACK OF CURB

	DRIVEWAY		SEWER	WATER
LOT NUMBER	DRIVEWAY CENTERLINE STATION	DRIVEWAY WIDTH	SEWER LATERAL STATION	WATER LATERAL STATION
10	STA: 19+26.74	16	STA: 19+08.78	STA: 19+13.82
11	STA: 19+53.78	16	STA: 19+38.93	STA: 19+43.81
12	STA: 19+83.83	16	STA: 19+71.20	STA: 19+66.10
13	STA: 20+20.09	16	STA: 20+02.77	STA: 20+07.56
14	STA: 20+46.88	16	STA: 20+31.98	STA: 20+36.86
15	STA: 20+77.66	16	STA: 20+64.66	STA: 20+59.66
16	STA: 21+19.47	16	STA: 21+01.66	STA: 21+06.66
17	STA: 21+46.88	16	STA: 21+31.66	STA: 21+36.66
18	STA: 21+77.66	16	STA: 21+59.66	STA: 21+64.66
60	STA: 23+86.65	16	STA: 23+99.47	STA: 24+04.47
61	STA: 23+59.24	16	STA: 23+69.47	STA: 23+74.47
62	STA: 23+28.46	16	STA: 23+41.46	STA: 23+46.46
63	STA: 22+78.31	16	STA: 22+96.63	STA: 22+91.50
64	STA: 22+50.19	16	STA: 22+65.80	STA: 22+60.66
65	STA: 22+18.60	16	STA: 22+37.35	STA: 22+32.21
66	STA: 21+73.19	16	STA: 21+90.87	STA: 21+85.86
67	STA: 21+45.79	16	STA: 21+60.87	STA: 21+55.86
68	STA: 21+15.01	16	STA: 21+32.87	STA: 21+27.86
69	STA: 20+73.19	16	STA: 20+90.87	STA: 20+85.86
70	STA: 20+45.79	16	STA: 20+60.87	STA: 20+55.86
71	STA: 20+15.01	16	STA: 20+32.87	STA: 20+27.86
72	STA: 19+62.13	16	STA: 19+75.58	STA: 19+80.72
73	STA: 19+34.01	16	STA: 19+49.53	STA: 19+44.40
74	STA: 19+02.84	16	STA: 19+15.76	STA: 19+20.81
75	STA: 18+60.98	16	STA: 18+78.73	STA: 18+73.72
76	STA: 18+31.27	16	STA: 18+48.75	STA: 18+43.90
125	STA: 18+62.21	16	STA: 18+49.53	STA: 18+44.31
126	STA: 18+90.12	16	STA: 18+80.01	STA: 18+74.97
127	STA: 19+21.39	16	STA: 19+08.52	STA: 19+03.49
128	STA: 19+62.18	16	STA: 19+50.30	STA: 19+45.18
129	STA: 19+88.78	16	STA: 19+73.73	STA: 19+78.88
130	STA: 20+18.82	16	STA: 20+01.08	STA: 20+06.01
131	STA: 20+60.64	16	STA: 20+42.82	STA: 20+47.82
132	STA: 20+88.04	16	STA: 20+72.82	STA: 20+77.82
133	STA: 21+18.82	16	STA: 21+00.82	STA: 21+05.82
134	STA: 21+61.97	16	STA: 21+44.15	STA: 21+49.15
135	STA: 21+89.37	16	STA: 21+74.15	STA: 21+79.15
136	STA: 22+20.12	16	STA: 22+02.15	STA: 22+07.15
137	STA: 22+58.63	16	STA: 22+46.60	STA: 22+41.54
138	STA: 22+85.17	16	STA: 22+69.95	STA: 22+75.13
139	STA: 23+15.21	16	STA: 22+97.30	STA: 23+02.24
157	STA: 24+16.31	16	STA: 24+34.12	STA: 24+29.12
158	STA: 23+88.90	16	STA: 24+04.12	STA: 23+99.12
159	STA: 23+58.12	16	STA: 23+76.12	STA: 23+71.12
160	STA: 23+16.31	16	STA: 23+34.12	STA: 23+29.12
161	STA: 22+88.90	16	STA: 23+04.12	STA: 22+99.12
162	STA: 22+58.12	16	STA: 22+76.12	STA: 22+71.12
163	STA: 22+16.31	16	STA: 22+34.12	STA: 22+29.12
164	STA: 21+88.90	16	STA: 22+04.12	STA: 21+99.12
165	STA: 21+58.12	16	STA: 21+76.12	STA: 21+71.12
166	STA: 21+16.31	16	STA: 21+29.12	STA: 21+34.12
167	STA: 20+88.90	16	STA: 20+99.12	STA: 21+04.12
168	STA: 20+58.12	16	STA: 20+76.12	STA: 20+71.12
169	STA: 20+15.32	16	STA: 20+28.71	STA: 20+33.75
170	STA: 19+86.90	16	STA: 19+97.90	STA: 20+02.70
171	STA: 19+54.79	16	STA: 19+72.86	STA: 19+67.17

FIRE HYDRANT INSTALLATION

FIRE HYDRANTS TO BE INSTALLED IN ACCORDANCE WITH THE UDAC'S STANDARD PLATE NO. 7



A	0'	4'
B	1.5'	5.5'

TYPICAL FIRE HYDRANT LOCATION DETAIL
NTS

UTILITY CONSTRUCTION NOTES

WATER

1. 6" F.H. ASSEMBLY (INCLUDES 8"x 6" TEE AND 6" GATE VALVE)
2. 8" GATE VALVE
3. 8" WATER MAIN
4. 8"x 8"x 8" TEE WITH THRUST BLOCK
5. 8" 90° BEND WITH THRUST BLOCK
6. 1" WATER SERVICE
7. IRRIGATION SLEEVES PER SIS# U-18
8. 8" X 10" REDUCER
9. 8" 18° FABRICATED BEND
15. 1" WATER SERVICE WITH RPPA PER UDACS PLATE NO. 10 AND IRRIGATION POWER SOURCE
21. 10" GATE VALVE
22. 8" X 6" REDUCER
25. 2" WATER SERVICE WITH RPPA PER UDACS PLATE NO. 10 AND IRRIGATION POWER SOURCE

WATER

18. 10"X10"X10" TEE W/THRUST BLOCK
19. 10" WATER MAIN
20. 12" X 8" TAPPING TEE AND VALVE
23. 12" X 6" REDUCER
24. 6" 90° BEND

SEWER

10. 4" SEWER LATERAL
11. 8" SEWER
12. 48" SEWER MANHOLE

~~STREET LIGHT~~

~~13 #3 1/2" PULLBOX~~
~~14 1 1/4" CONDUIT WITH 2-#4 AND 1-#8 CONDUCTOR~~
26 GAS LAMP

STREET SIGNS

16. STOP SIGN (R1-1)
17. STREET NAME SIGN (D-3)

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. ___ G.P.M. 1500.

CLV FIRE DEPARTMENT — DATE 1,29,99

LAS VEGAS VALLEY WATER DISTRICT — 1ST APPROVED 1-27-99 — DATE 2-09-99

ABANDONED VALVE CUT AND CAP

ALL VALVES TO BE ABANDONED IN THE CLOSED POSITION, UNLESS OTHERWISE, BY REMOVING A MINIMUM OF THE TOP 12 INCHES OF THE VALVE BOX AND THEN FILLING THE REMAINING PORTION OF THE VALVE BOX WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST 2,000 PSI.

THE CONTRACTOR SHALL CUT THE EXISTING PIPE 3'+ BEYOND THE ABANDONED VALVE AND INSTALL A CAP. WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION, THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL. THE CONTRACTOR SHALL INSTALL A CONCRETE THRUST BLOCK IN ACCORDANCE WITH THE PROVISIONS OF THE UDASC PLATE No. 5 AT ALL CAP OR PLUG LOCATIONS.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (2) 8"

APPROVED REDUCED PRESSURE PRINCIPLE ASSYMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11B. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSYMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

CITY OF LAS VEGAS FIRE DEPARTMENT FIRE FLOW DATA

DESCRIPTION	
TYPE OF CONSTRUCTION	V-N
NO. OF STORIES	2
TOTAL FLOOR AREA (SQ.FT.)	4,857 sq.ft.
LARGEST SUCCESSIVE FLOOR AREA	4,558 sq.ft.
ESTIMATED FIRE FLOW	1750 GPM
BUILDING HEIGHT	38'
SPRINKLED	NO

REVIEWED & VERIFIED BY: ______________ DATE: ________
CLV FIRE DEPT. AS TO DATA & REQUIREMENTS

BENCHMARK

CITY OF LAS VEGAS BENCHMARK
OLV0019S4 RIVIT & PLATE IN TOP OF CURB NW SIDE OF TOWN CENTER DRIVE & SOUTH CIRCLE ISLAND

2725.923 NGVD 1929 DATUM
2718.37 NAVD 1988 DATUM (831.6074 M)
2726.19 SUMMERLIN DATUM

BASIS OF BEARING

NORTH 15°23'46" EAST BEING THE BEARING OF THE CENTERLINE OF ANAZAZI DRIVE AS SHOWN BY MAP THEREOF ON FILE IN BOOK 74, PAGE 70 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY NEVADA

LOTS WITH BACKWATER VALVES

THE FOLLOWING LOTS REQUIRE SEWER BACKWATER VALVES

LOTS: 10–12, 17, 18, 41–46, 52–61, 65–70, 73, 74, 126–128, 313–137, 141–148, 155, 156

SEE SHEET C6, DRAWING No. 6 FOR ESTIMATED UTILITY QUANTITIES

DISCLAIMER NOTE:

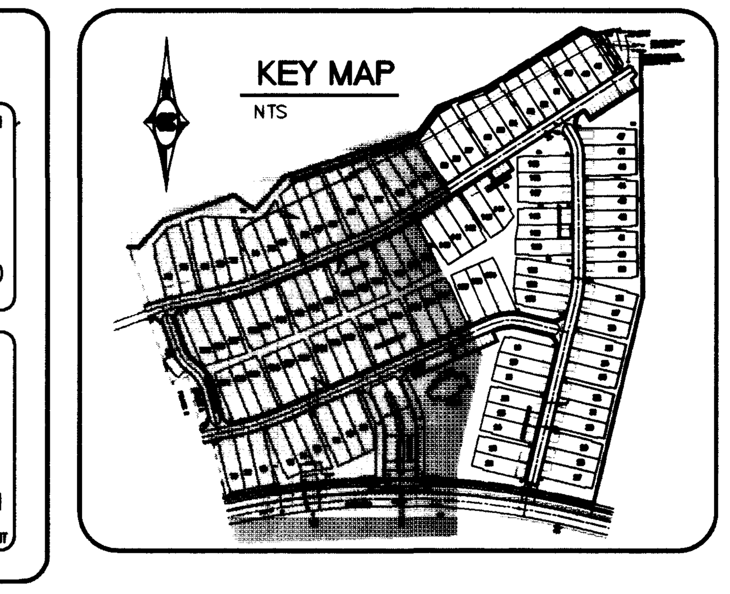
UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVER-HEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN 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.

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

Avoid overhead power line contact.
Call before you Overhead
1-702-593-6111
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

KEY MAP

NTS



REV	DATE	BY	REVISION
1	2-5-99		REVISED PROPERTY LINES
2	2-5-99		REVISED CLV STD STREETLIGHT TO GAS LAMP
3	2-5-99		ADDED 2" SERVICE WITH RPPA
3	3/1/99		REVISED STREET NAMES TO MATCH FINAL MAP
6	3-29-99		WATER SERVICE LATERAL FROM 1" TO 1 1/2". ELIMINATED RPPA
			REVISED SEWER LATERAL FROM 4" TO 6" TO REC. BLDG.

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Consultants in Planning, Engineering, Architecture, Construction Management, and Related Services
2955 East Sunset Road, Suite 105
Las Vegas, NV 89120
(702) 798-1007 Fax (702) 798-7056

UTILITY PLAN

COTTONWOOD TERRACE PHASE I

DRAWN BY: DMR
DESIGNED BY: ES
CHECKED BY: RJT
PROJECT NO: 98V066010
SCALE: 1"=40' HORIZ. N/A VERT.

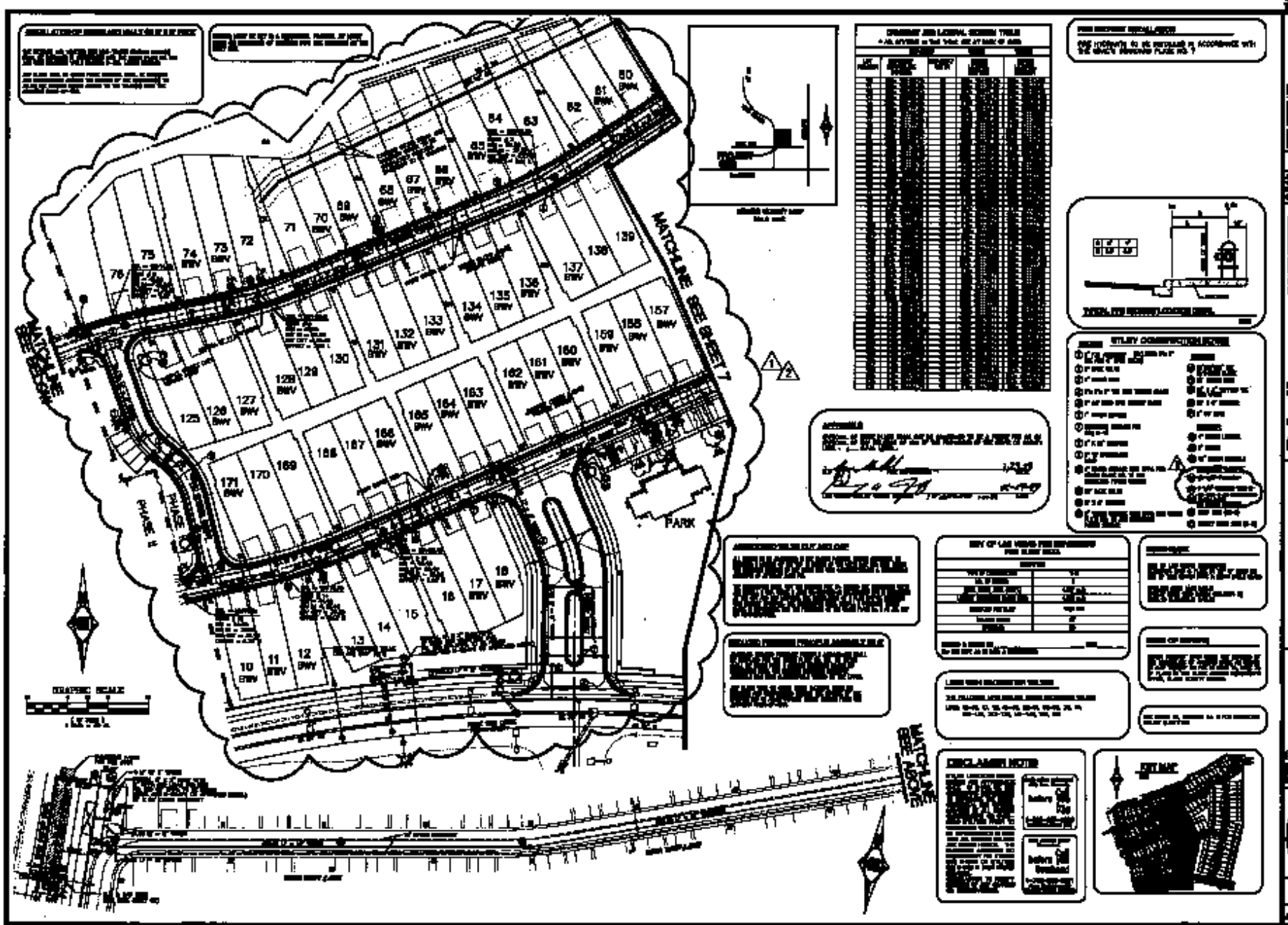
PROFESSIONAL ENGINEER – STATE OF NEVADA – RANDALL J. CARR – CIVIL – No.9655 – 1/29/99

SHEET C6
6 OF 19 SHEETS
DRAWING NO. 3074-4596-1

THIS IS A REPLOT

L:\98V066\DESIGN\PH1\8066up01.dwg Fri Jan 29 09:51:59 1999 DL

13761 14468 14718


MATCHLINE SEE SHEET 7
MATCHLINE SEE ABOVE
PARK
PHASE II
GRAPHIC SCALE
UTILITY PLAN
COTTONWOOD TERRACE PHASE I
An American Favorite