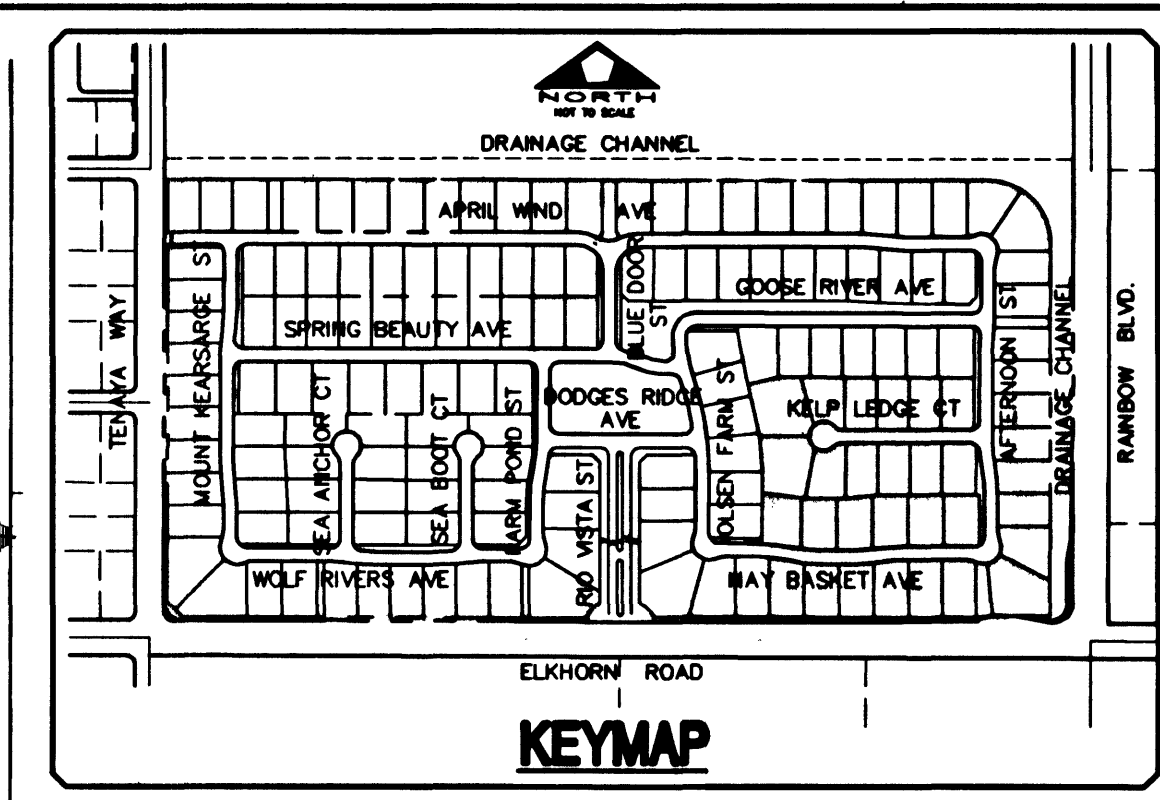
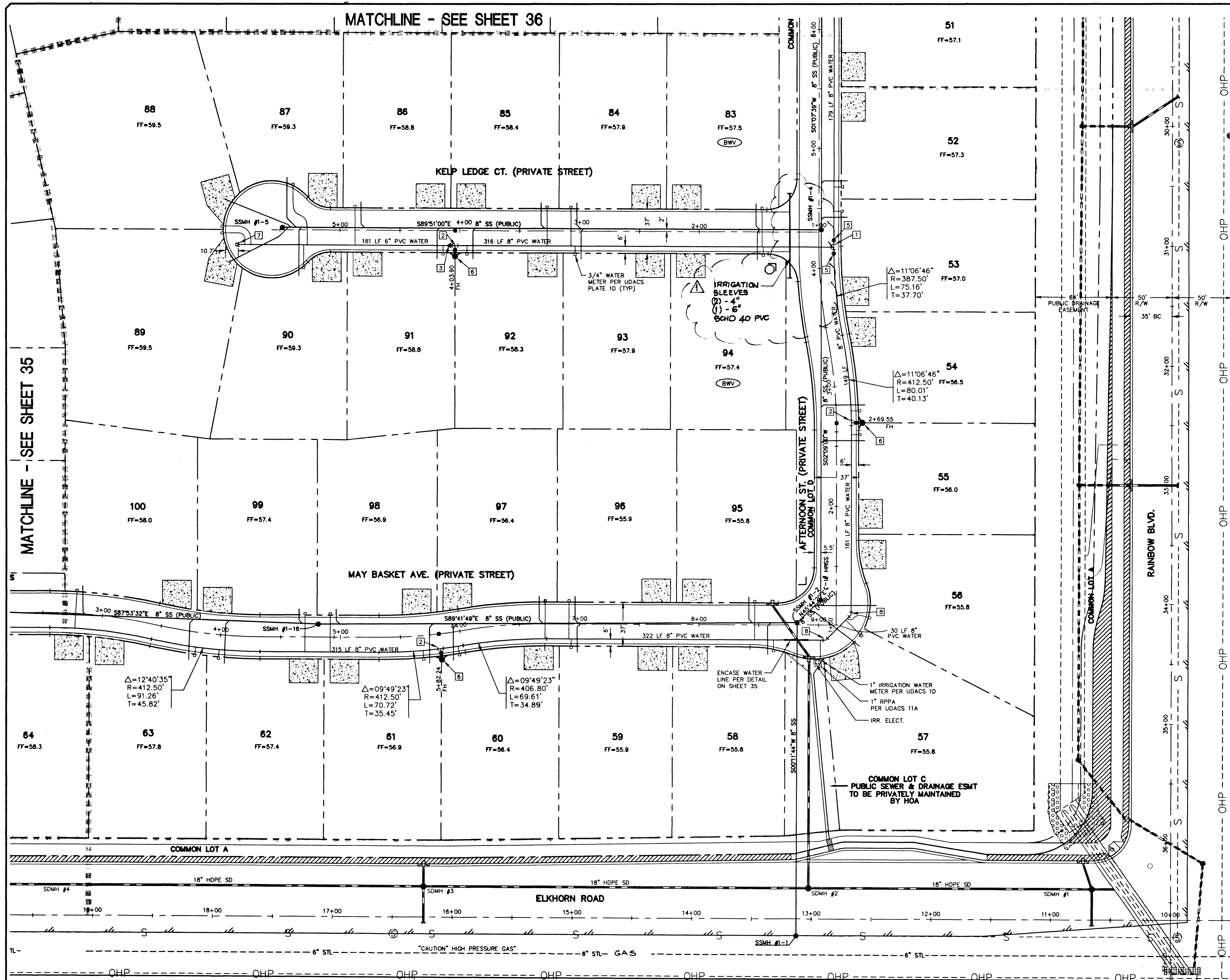




WATER FITTINGS LEGEND:

1 8" TEE	8 8" 45° BEND
2 8"x6" TEE	9 8" 22.5° BEND
3 8"x6" REDUCER	10 8" x 6" CROSS
4 8" 90° BEND	11 12" x 8" TEE
5 8" GATE VALVE	
6 FIRE HYDRANT ASSY. PER UDACS PLATE 7 INCLUDING 6" G.V.	
7 2" BLOW-OFF ASSEMBLY W/CAP PER UDACS PLATE 4	

ESTIMATE OF WATER QUANTITIES

1 1/2" WATER METER (UDACS PLATE 10)	3 EA.
6" PVC WATER MAIN	139 L.F.
8" PVC WATER MAIN	7,672 L.F.
12" PVC WATER MAIN	491 L.F.
8" DIP WATER	281 L.F.
3/4" WATER METER (FROM LVVWD)	79 EA.
W/ 1" COPPER SERVICE (UDACS PLATE 10)	
1" WATER METER (IRRIGATION)	5 EA.
W/ 1" COPPER SERVICE (UDACS PLATE 10)	
1" R.P.P.A. (IRRIGATION) (UDACS PLATE 11A)	6 EA.
2" BLOW-OFF ASSEMBLY W/CAP	7 EA.
10" x 8" TEE	1 EA.
12" x 6" TEE	1 EA.
8" TEE	9 EA.
8" x 6" REDUCER	1 EA.
STD. FIRE HYDRANT ASSEMBLY W/ 6" LATERAL, 6" GATE VALVE	13 EA.
8" GATE VALVE	16 EA.
45° BEND, 8"	6 EA.
22.5° BEND, 8"	5 EA.
12" TEE	1 EA.
12" GATE VALVE	2 EA.
12" x 8" REDUCER	1 EA.
NOTE: QUANTITIES ARE APPROXIMATE ONLY - CONTRACTOR TO VERIFY.	
1 1/2" RPPA (UDACS PLATE 11A)	3 EA.

UTILITY LEGEND

EX 8" W	EXISTING WATER LINE W/SIZE
8" W	PROPOSED WATER LINE W/SIZE
PROPOSED WATER LATERAL	
EX 8" S	EXISTING SEWER LINE W/SIZE
8" S	PROPOSED SEWER LINE W/SIZE
PROPOSED SEWER LATERAL	
EXISTING SEWER MANHOLE	
PROPOSED SEWER MANHOLE	
0" UP DRIVEWAY	
GATE VALVE	
CONCRETE DRIVEWAY	
12" W 8" W	WATER REDUCER
BWV	REQUIRES BACKWATER VALVE
PRV	REQUIRES PRESSURE REDUCER VALVE

TRAFFIC LEGEND

L	9" 03 STREET NAME SIGN (PER STD DWG 250)
O	30" STOP SIGN (R1-1) LOCATE AT BCR
■	BLUE REFLECTIVE MARKER
—	STREET SIGN AS NOTED PER PLAN

APPROVALS

CITY FIRE MARSHAL: *[Signature]* DATE: *11/26/01*

LAS VEGAS VALLEY WATER DISTRICT: *[Signature]* DATE: *6/17/02*

GRAPHIC SCALE
1 inch = 40 feet

BASIS OF BEARING
THE BASIS OF BEARING FOR THIS SURVEY IS THE WEST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 15, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN IN FILE 115, PAGE 13 OF OFFICIAL RECORDS, CLARK COUNTY, NEVADA. I.E. NORTH 00°11'55" EAST

BENCHMARK
CITY OF LAS VEGAS BENCHMARK NO. 1LV90 115WS. RIVET AND PLATE IN TOP OF CURB, SOUTH SIDE OF RAINBOW BLVD. AND FLANAGAN DRIVE, 200' NORTH OF GRAND TETON DRIVE.
ELEVATION: = 724.3622 METERS (N.A.V.D. 88)
ELEVATION: = 2376.512 U.S. FEET (CALCULATED N.A.V.D. 88)

REDUCED PRESSURE PRINCIPAL ASSEMBLY (1) 1"
APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY 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 THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

DATE 11/26/01
DESIGNED BY SLY
CHECKED BY ADA
DATE 01/17/02
SCALE 1" = 40'

PROFESSIONAL ENGINEER - STATE OF NEVADA
RICHARD P. SENEAL
11752

SHEET 37 OF 41
C.L.V. DWG.# 307Y-4699