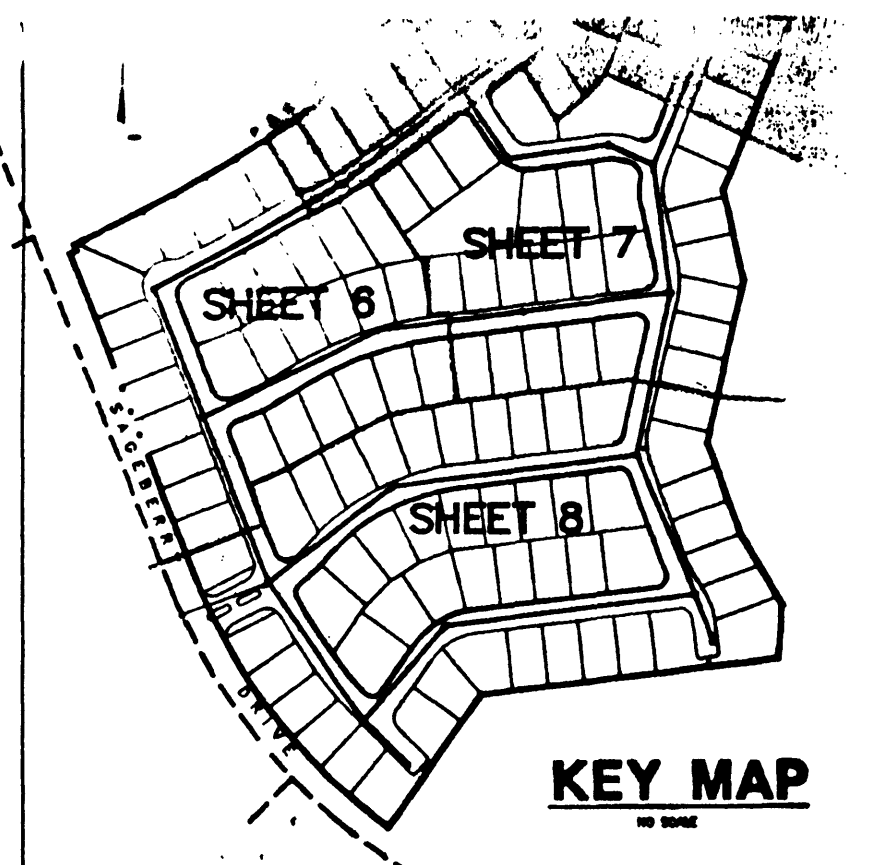
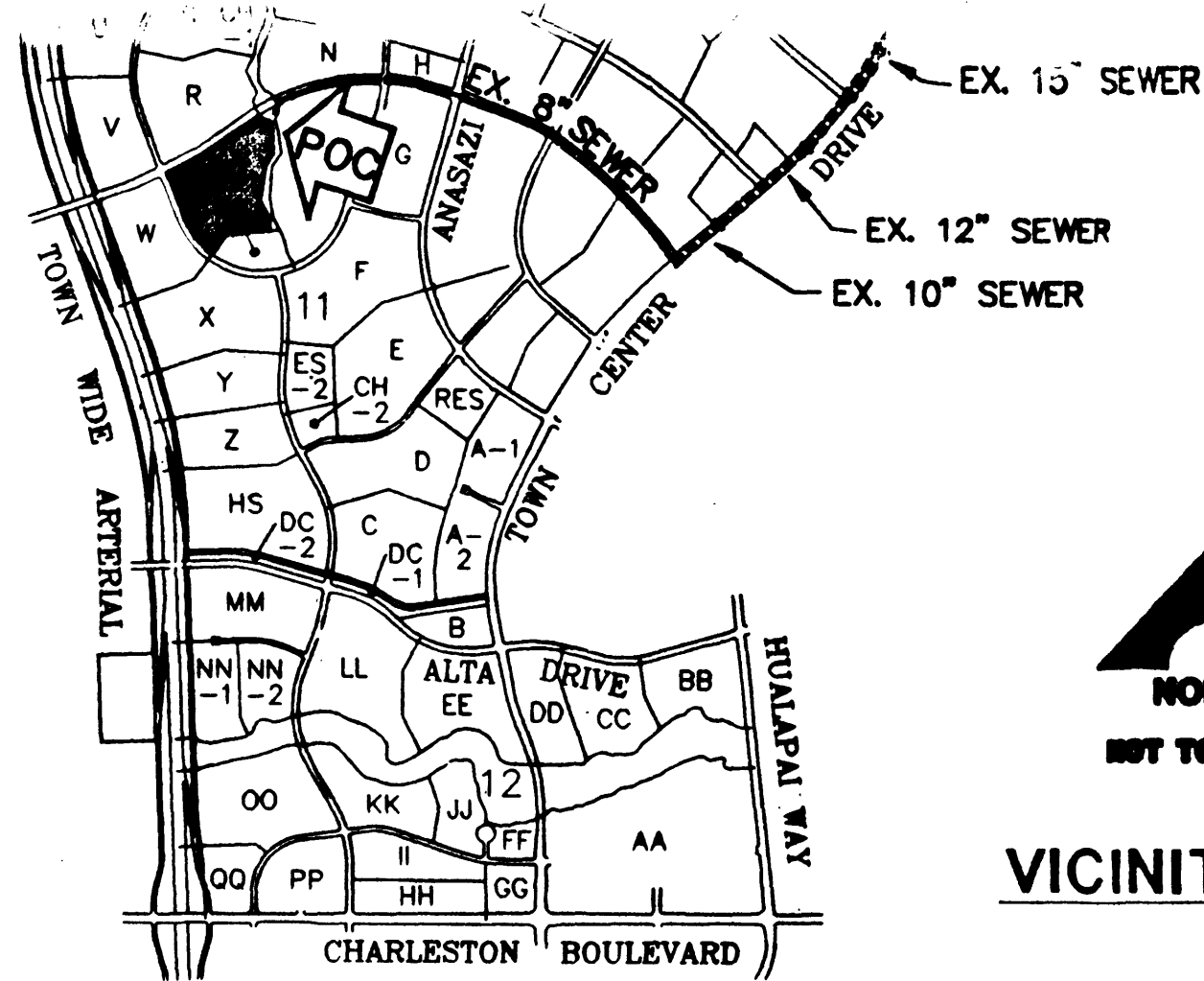




CONSTRUCTION NOTE:

ALL EXISTING UTILITY STRUCTURES WITHIN CONSTRUCTION AREA SHALL BE ADJUSTED TO MATCH FINISH GRADE (I.E. WY. BOX, ANNUDE BOX, FH, TEL. BOX, ETC.)

NOTES:

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

SEWER STATIONING IS BASED ON CENTERLINE OF SEWER PIPE. ALL OTHER STATIONING IS BASED ON STREET CENTERLINE.

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

* ALL STREET LIGHTS, POLES, LUMINAIRES AND INSTALLATIONS AND ALL APPURTENANCES WILL CONFORM WITH THE REQUIREMENTS OF SUMNER'S IMPROVEMENT STANDARDS.

CURVE	LENGTH	RADIUS	TANGENT	DELTA
CE	81.37	131.00	42.05	35°35'19"
C.B.	446.04	3116.00	27.72	7°02'41"

BASIS OF BEARINGS

SOUTH 21° 19' 28" EAST, BEING THE BEARING OF THE CENTERLINE OF SAGEBERRY DRIVE AS SHOWN BY MAP THEREOF ON FILE IN BOOK 78, PAGE 62 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK
OLYMPIA RIVET & PLATE IN TOP OF CURB NW SIDE OF TOWN CENTER DRIVE & SOUTH CIRCLE ISLAND.
2726.19 SUMMER DATUM
2728.37 NAVD DATUM (831.6074 m)
* SUMMER DATUM USED.

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. PRIVATE ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVWD FACILITIES.

ESN.041 2/15/97

FIRE HYDRANT INSTALLATION
FIRE HYDRANT(S) TO BE INSTALLED IN ACCORDANCE WITH THE UDACS STANDARD PLATE NO. 7
ESN. 014

ESTIMATED QUANTITIES & LEGEND

WATER		
1	1" FIRE HYDRANT ASSEMBLY (INCLUDES 8" X 8" X 6" TEE, 6" GATE VALVE, 6" PIPE & 6" RISER)	1 EA.
2	12" X 8" X 8" TEE	1 EA.
3	8" GATE VALVE	6 EA.
4	8" TEE	9 EA.
5	8" X 11-1/4" BEND	6 EA.
6	8" X 22-1/2" BEND	9 EA.
7	8" X 90° BEND	4 EA.
8	P.R.V.	1 EA.
9	2" BLOW OFF ASSEMBLY	8 EA.
10	12" X 8" REDUCER	2 EA.
11	8" X 6" REDUCER	2 EA.
12	8" CROSS	1 EA.
13	1" WATER SERVICE W/ 5/8" METER (UDACS PLATE 1B)	3 EA.
14	1" WATER SERVICE W/ 3/4" METER (UDACS PLATE 1B)	126 EA.
15	1" WATER SERVICE W/ 1/2" METER (UDACS PLATE 1B)	1 EA.
16	1" IRRIGATION SERVICE W. 1" IRRIGATION METER (UDACS PLATE 1D)	3 EA.
17	R.P.P.A.	3 EA.
18	8" WATER LINE	5345 L.F.
19	6" WATER LINE	187 L.F.
SEWER		
20	SEWER MANHOLE (4' DIA.)	27 EA.
21	WYES (4")	130 EA.
22	8" SEWER MAIN	5608 L.F.
23	10" SEWER MAIN	1131 L.F.
24	4" SERVICE LATERAL	12280 L.F.
25	BACKWATER VALVES	63 EA.

SEWER CONTRIBUTION

AVERAGE FLOW= 0.0325 M.G.D.
PEAK FLOW= 0.1105 M.G.D.

LAS VEGAS FIRE DEPARTMENT

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 1500 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.

BASED ON:

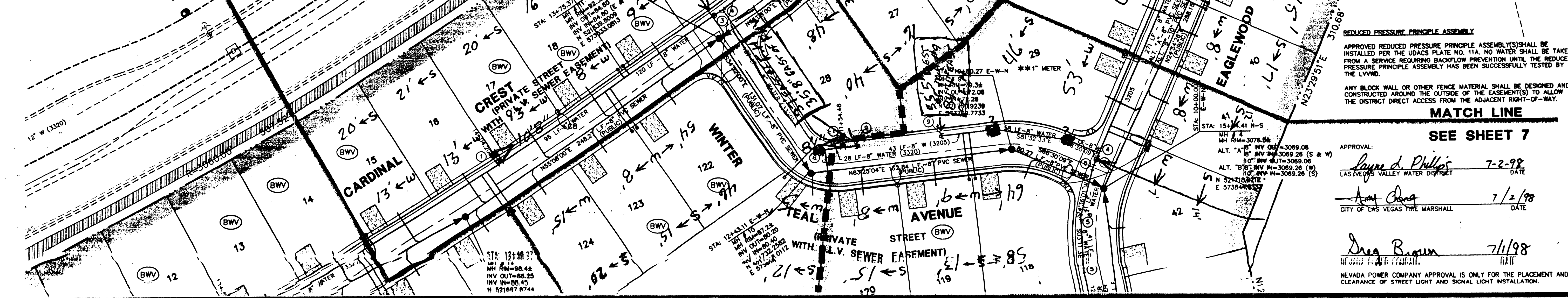
SQUARE FOOTAGE:	1470	SQ. FT.
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS:	N/A	SQ. FT.
BUILDING HEIGHT:	N/A	FEET
NUMBER OF STORIES:	2	FLOOR
TYPE OF CONSTRUCTION:	V.N.	
OCCUPANCY:	SINGLE FAMILY	
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	NONE	

REVIEWED BY:

DATE: PROVIDE FIRE LINE IDENTIFICATION PER CITY ORD. 3677

- (BWV) BACKWATER VALVES PER S.D.-29 REQUIRED
- (P.O.C.) POINT OF CONNECTION TO EXISTING UTILITIES
- (D.L.) DRIVEWAY LOCATION (SCHEMATIC ONLY)
- MATCH LINE
- PRESSURE ZONE BOUNDARY LINE

SEE SHEET 9



SEE SHEET 7

APPROVAL: *Rayne D. Phillips* 7-2-98
LAS VEGAS VALLEY WATER DISTRICT

Amey Chang 7/2/98
CITY OF LAS VEGAS FIRE MARSHALL

Doug Brown 7/1/98
UTAH POWER & LIGHT

NEVADA POWER COMPANY APPROVAL IS ONLY FOR THE PLACEMENT AND CLEARANCE OF STREET LIGHT AND SIGNAL LIGHT INSTALLATION.

REDUCED PRESSURE PRINCIPLE ASSEMBLY

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 LVWD.

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.

MATCH LINE

WOODSIDE HOMES

MASTER UTILITY PLAN

SHEET

TITLE

DATE

DESIGNED BY

CHECKED BY

PROJECT NO.

SCALE: 1" = 40'

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ASBUILT

WESTERN STATES CONTRACTING

7700 S. HILL BLVD.

LAS VEGAS, NV 89123

JUL 17 1998

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