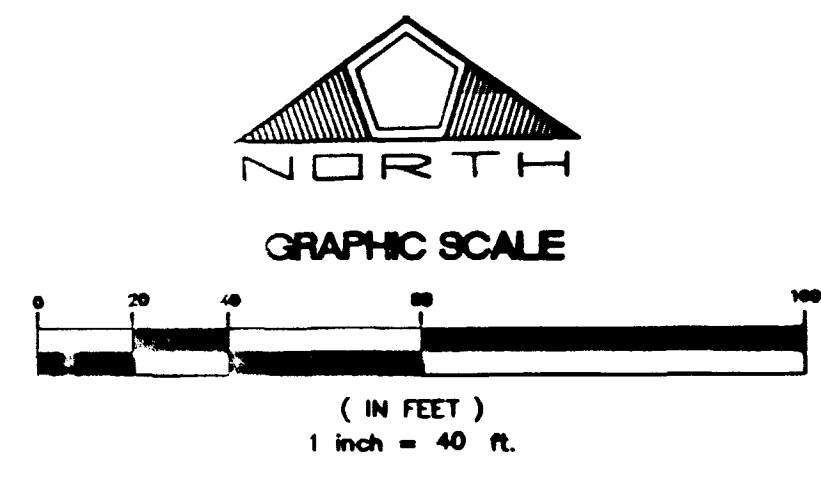
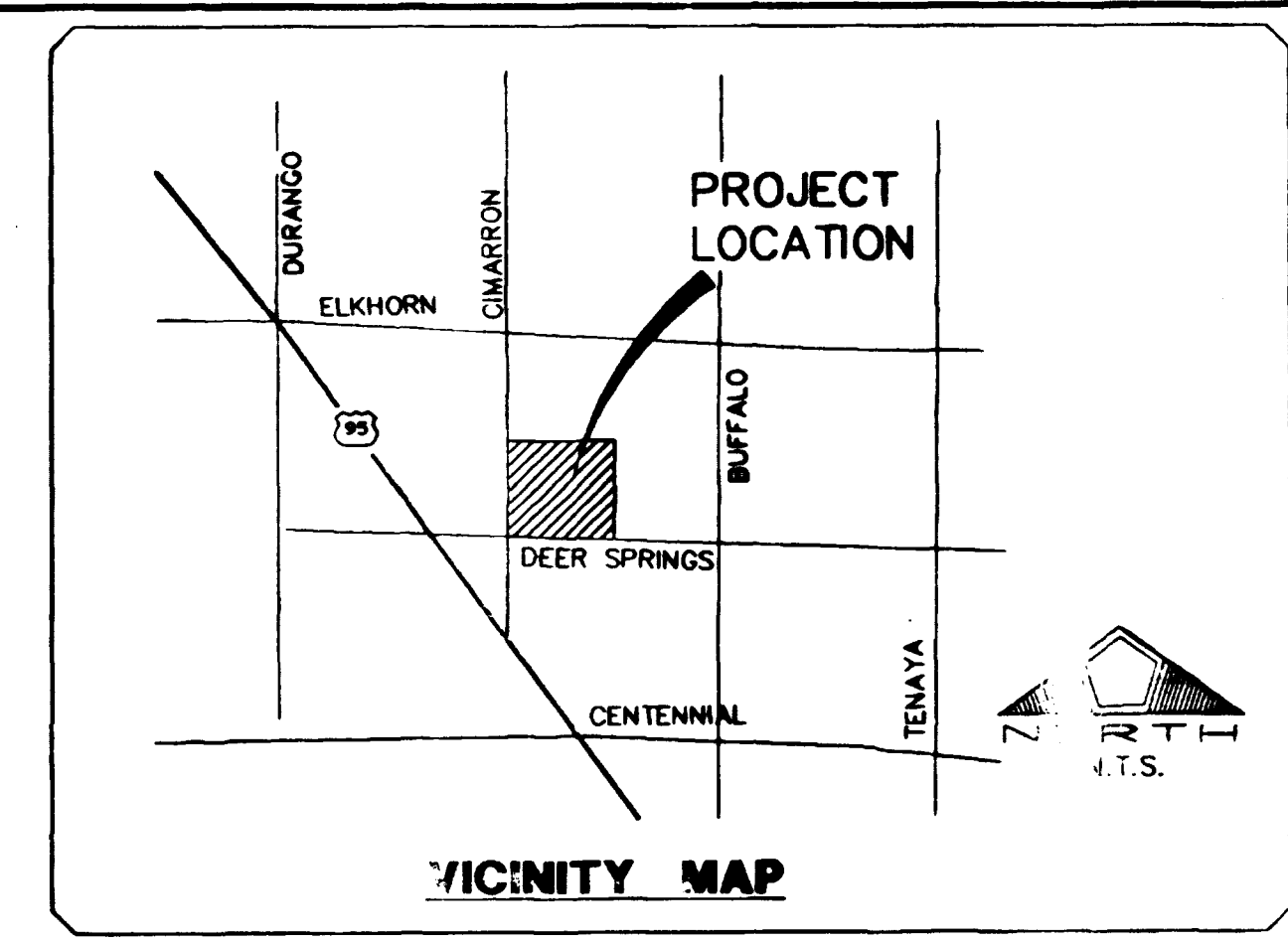
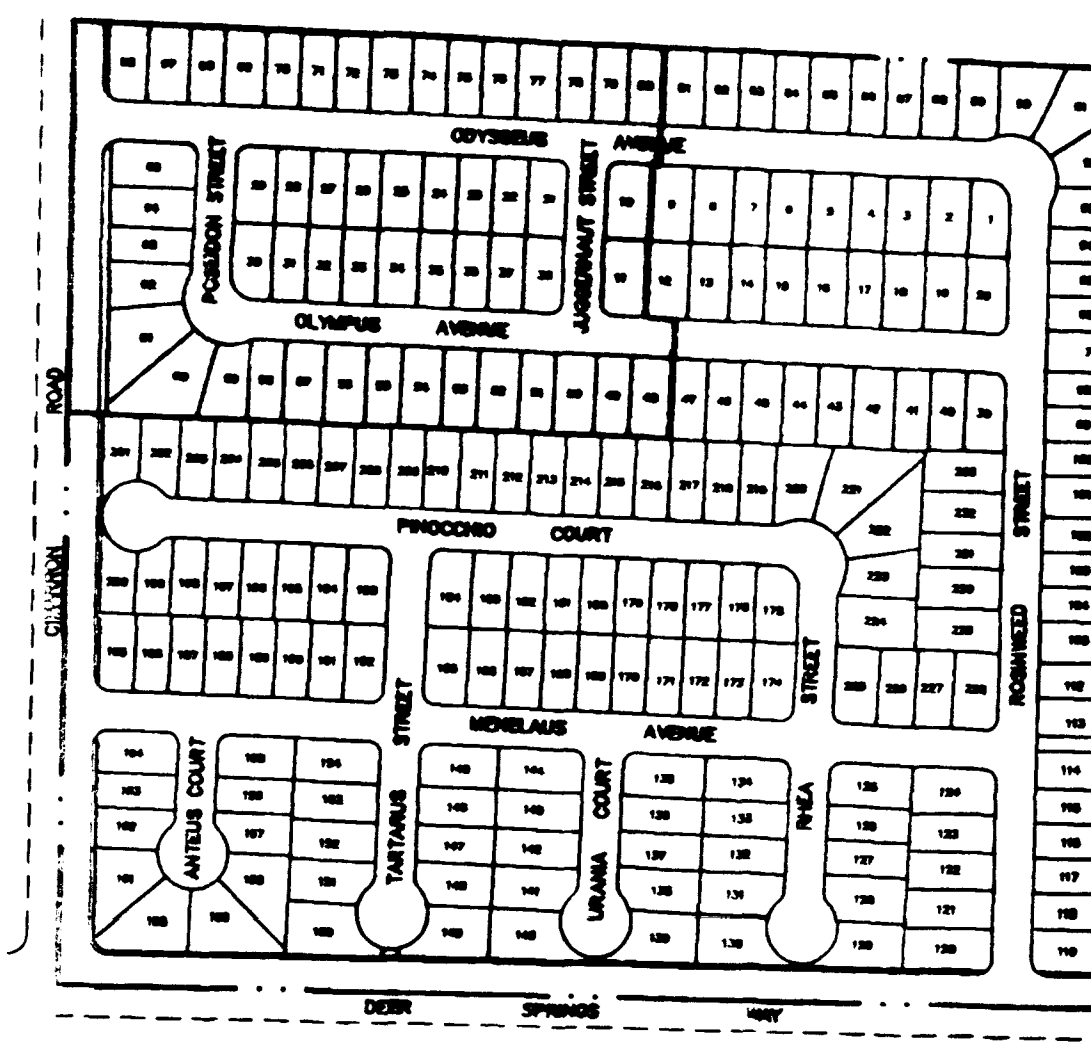
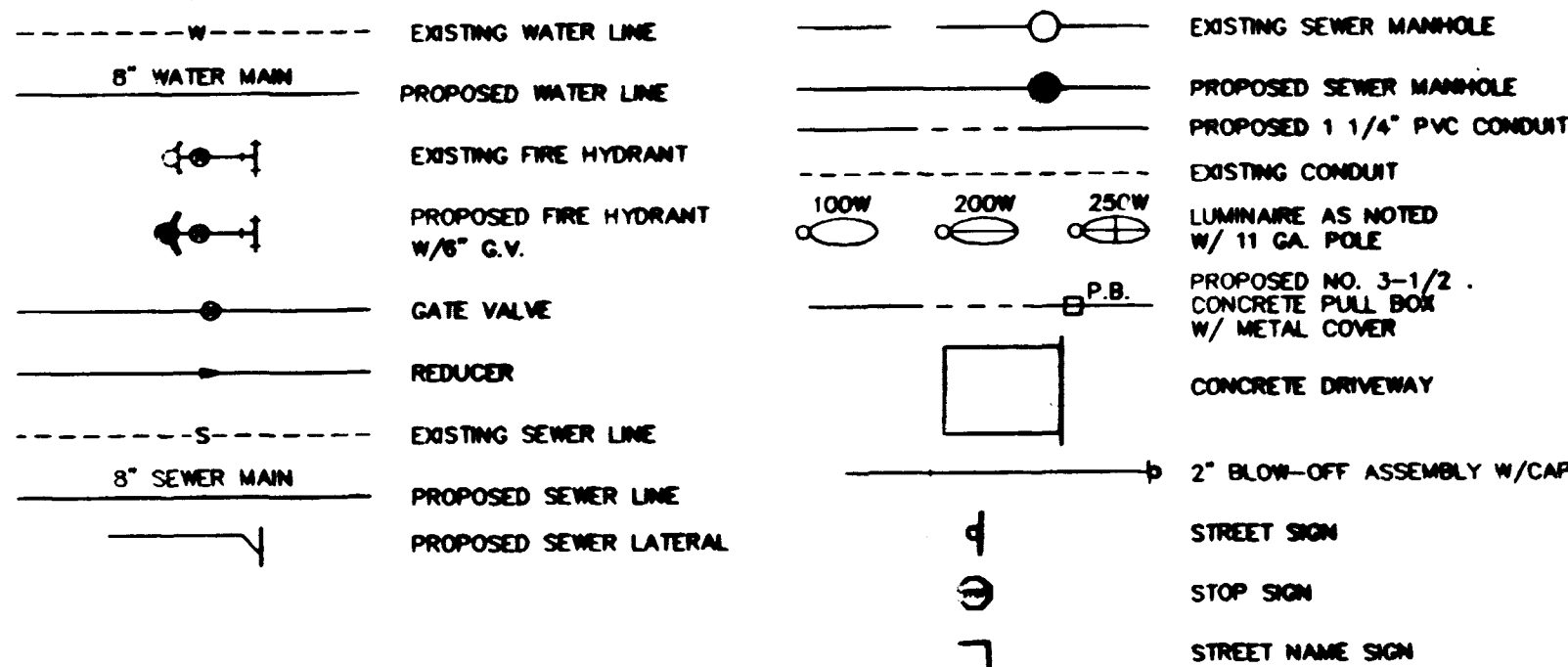
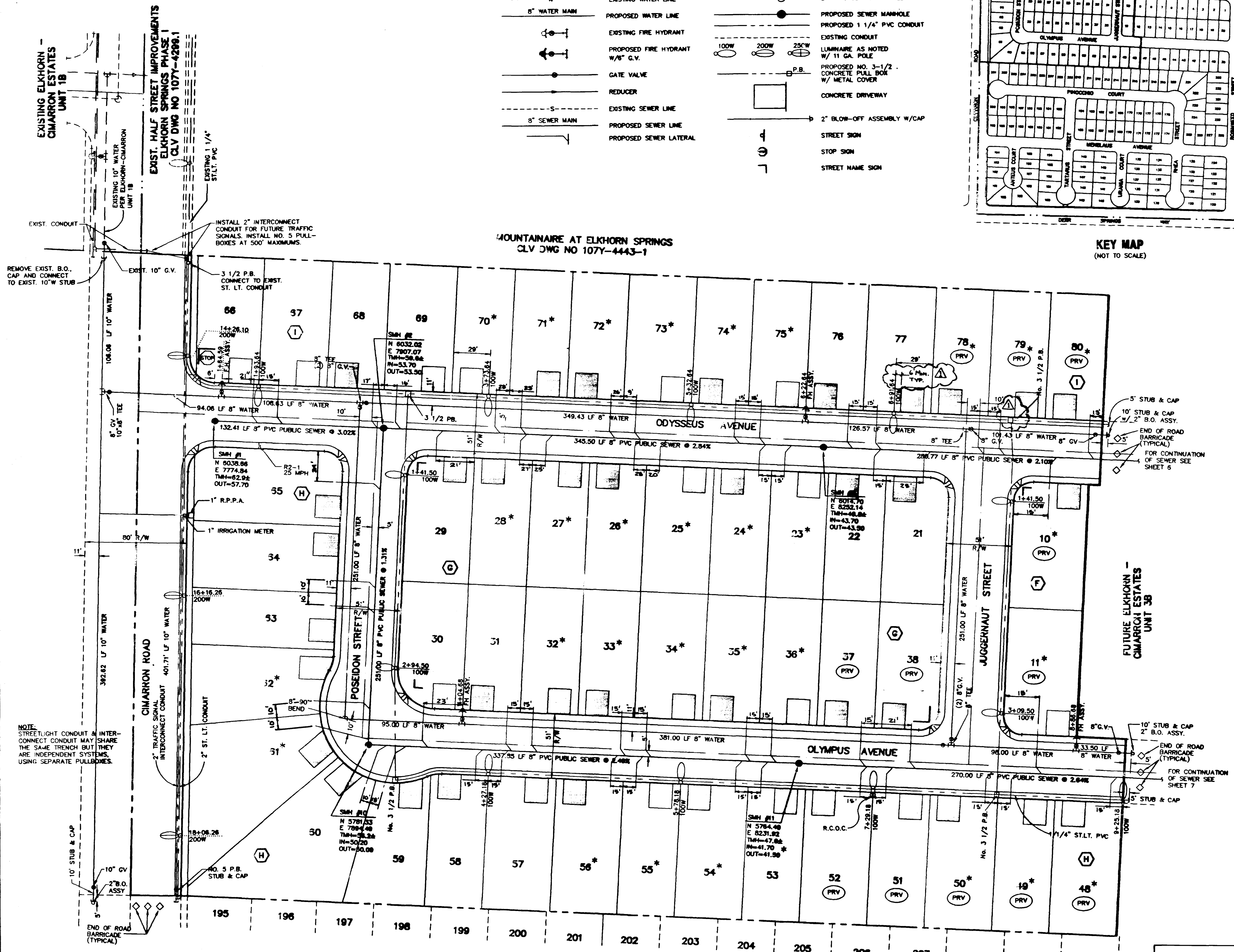


**UTILITY LEGEND**



DATE: 10/17/97  
 DRAWN BY: [Signature]  
 DESIGNED BY: [Signature]  
 CHECKED BY: [Signature]  
 JOB NO.: 0222.0010  
 SCALE: 1" = 40'

**MOUNTAINEER AT ELKHORN SPRINGS  
 CLV DWG NO 107Y-4443-1**



**RESIDENTIAL SEWER BACKWATER VALVE**

TO SATISFY THE INTENT OF THE 1994 UNIFORM PLUMBING CODE, SUBSECTIONS 710.1 AND 710.8 FOR RESIDENTIAL BACKWATER VALVES, LOCAL BUILDING DEPARTMENTS INDICATE IN AN OCT. 24, 1998 JOINT LETTER OF AGREEMENT:

"DRAINAGE PIPING SERVING FIXTURES WHICH HAVE FLOOD LEVEL RISERS LOCATED BELOW THE ELEVATION OF THE NEXT UPSTREAM MANHOLE COVER OF THE PUBLIC OR PRIVATE SEWER SERVING SUCH DRAINAGE PIPING SHALL BE PROTECTED FROM BACKFLOW OF SEWAGE BY INSTALLING AN APPROVED TYPE BACKWATER VALVE. ALL FIXTURES LOCATED WITHIN THE DWELLING UNIT MAY DISCHARGE THROUGH A SINGLE BACKWATER VALVE. PROVIDED THAT APPROVED TYPE CLEANOUTS ARE LOCATED IMMEDIATELY UPSTREAM AND DOWNSTREAM OF THE BACKWATER VALVE. BACKWATER VALVES SHALL BE LOCATED WHERE THEY WILL BE ACCESSIBLE FOR INSPECTION AND REPAIR AT ALL TIMES. THE ACCESS SLEEVE SHALL NOT EXTEND MORE THAN 24" FROM THE TOP OF THE VALVE COVER TO THE TOP OF THE SLEEVE CAP. ALL BACKWATER VALVES LOCATED 2" OR LESS WILL NOT REQUIRE AN ACCESS BOX. THE BACKWATER VALVE MAY BE INSTALLED A MAXIMUM OF 36" BELOW GRADE. PROVIDED AN ACCESS BOX WITH MINIMUM DIMENSIONS OF 14" IN WIDTH BY 23" IN LENGTH MEASURED FROM INSIDE EDGE TO INSIDE EDGE IS USED AND THE MINIMUM DEPTH OF THE BOX IS 12". ALL BACKWATER VALVES LOCATED DEEPER THAN 33" SHALL BE MADE ACCESSIBLE BY USE OF A YARD BOX OR VAULT SIZED LARGE ENOUGH TO PERMIT A PERSON TO ENTER THE BOX FOR THE PURPOSE OF ACCESSING THE BACKWATER VALVE."

NOTES:  
 1. 36" MAX. DEPTH WITH BOX - MIN. DIMENSION 14"x23"x12" IN DEPTH.  
 2. VALVE LOCATED DEEPER THAN 36" SHALL BE SIZED TO PERMIT PERSON TO ENTER BOX.  
 3. REMOVE VALVE ASSEMBLY TO CLEAN OUT BEHIND CLAPPER.

**NOTE:**  
 SEWER LATERAL LOCATIONS PER ASBUILT BY WESTERN STATES CONTRACTING, 2810 N. NELLIS BLYD., LAS VEGAS, NEVADA 89115. LOTS 61-65 PER PLAN.

- \* INDICATES LOTS REQUIRING BACKWATER VALVE (SEE DETAIL THIS SHEET)
- (PRV) INDICATES LOTS REQUIRING PRESSURE REDUCING VALVE

APPROVED FOR CONSTRUCTION  
*Bonnie Coff* 10/27/97  
 LAS VEGAS VALLEY WATER DISTRICT DATE

**PENTACORE**  
 CIVIL ENGINEERING - LAND SURVEYING - PLANNING  
 CONSTRUCTION MANAGEMENT - ADA CONSULTING  
 8783 WEST CHARLESTON BOULEVARD  
 LAS VEGAS, NEVADA 89102 (702)258-0115

EXECUTIVE DEVELOPMENT CORPORATION  
 ELKHORN - CIMARRON ESTATES UNIT 3A  
 UTILITY PLAN  
 SEWER AS-BUILT PLAN

