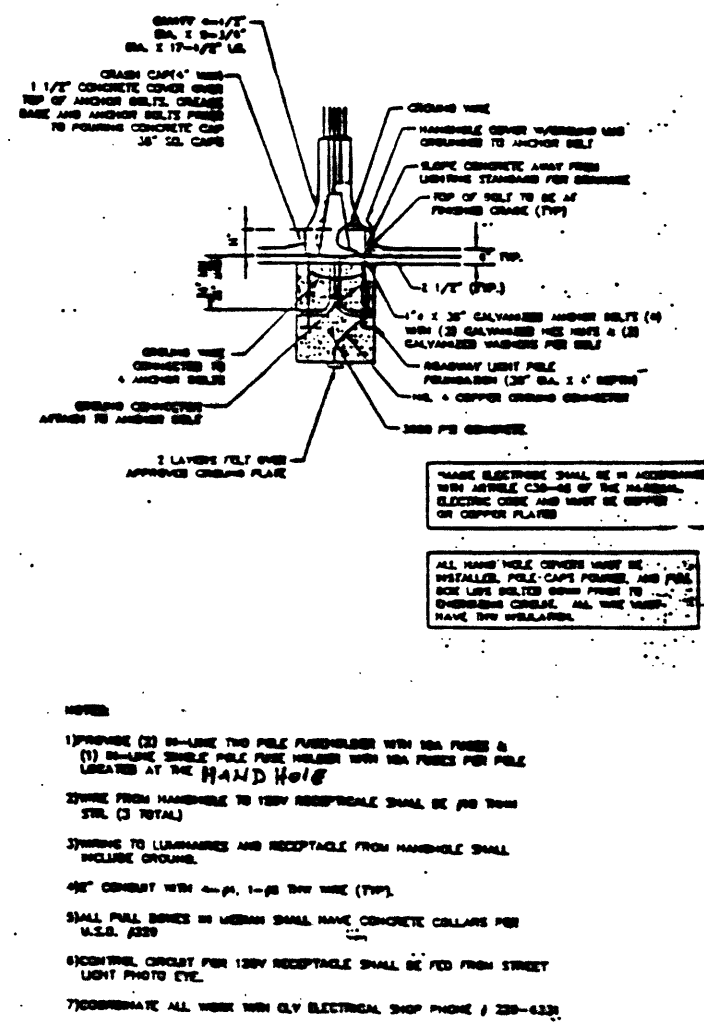
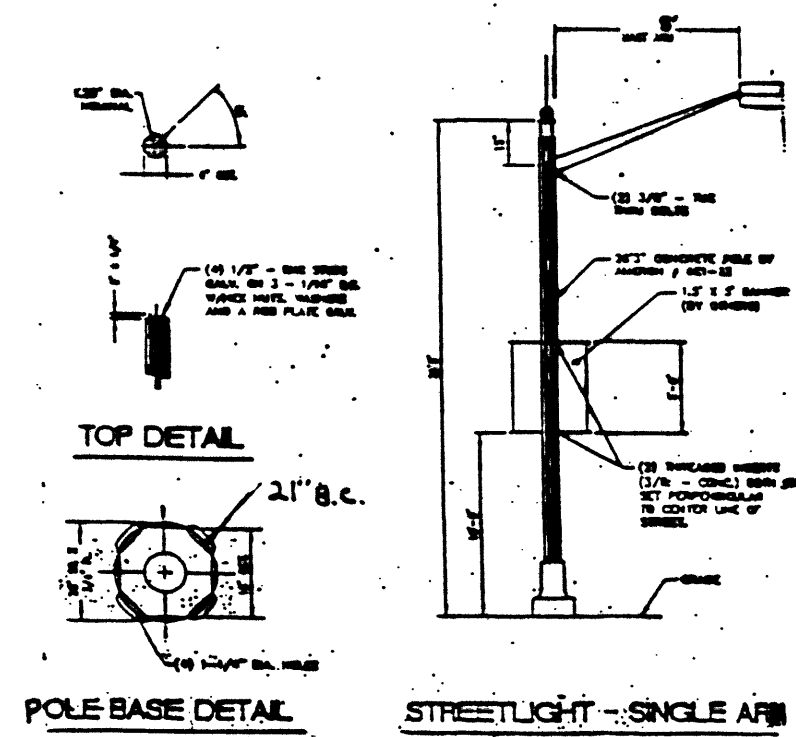
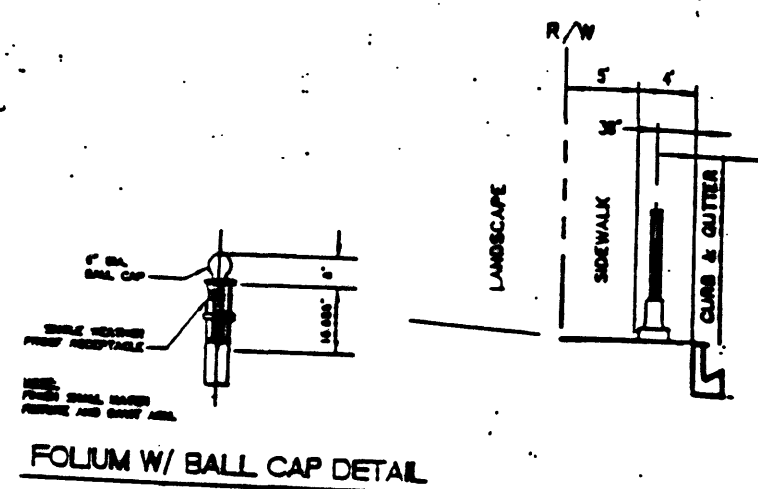
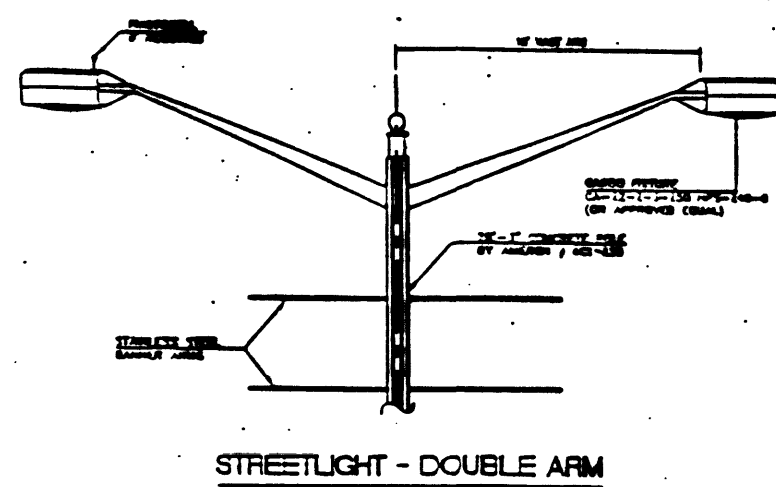




PROJECT NAME: Raleigh, Hunt & McGarry, P.C.  
 This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is

**NOT APPROVED FOR CONSTRUCTION**

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

Ray L. Lange 10/10/00  
 LVVWD #52 DATE

### CONSTRUCTION NOTES:

- 1 FIRE HYDRANT ASSEMBLY PER UDACS PLATE No. 7
- 2 6" x 6" x 6" MECHANICAL JOINT TAPPING SLEEVE AND TAPPING GATE VALVE
- 3 NOT USED
- 4 NOT USED
- 5 6" x 4" REDUCER
- 6 4" DCDA, FEBCO MODEL #876 (OR EQUAL) WITH CONCRETE PAD AND ENCLOSURE PER UDACS PLATE No. 20B
- 7 WALL MOUNTED F.D.C. AND P.I.V.
- 8 1 1/2" METER PER UDACS PLATE No. 1D
- 9 1 1/2" RPPA PER UDACS PLATE No. 11A
- 10 1 1/2" CORP. STOP PER UDACS PLATE No. 1D
- 11 SAWCUT AND MATCH EXISTING PER STD. DWG. #504
- 12 CATCH BASIN AND STORM DRAIN LINE FOR REFERENCE ONLY, SEE SHEET C2
- 13 NOT USED
- 14 INSTALL 2" CONDUIT W/4-#4, 1-#8 THW
- 15 INSTALL #3 1/2 PULL BOX

### PRIVATE SEWER ESTIMATE OF QUANTITIES

6" PVC SEWER MAIN 68 LF

### PRIVATE WATER ESTIMATE OF QUANTITIES

4" PVC WATER MAIN (FIRE) 10 LF

1 1/2" PVC WATER MAIN (DOM) 8 LF

1 1/2" RPPA (DOM) 1 EA

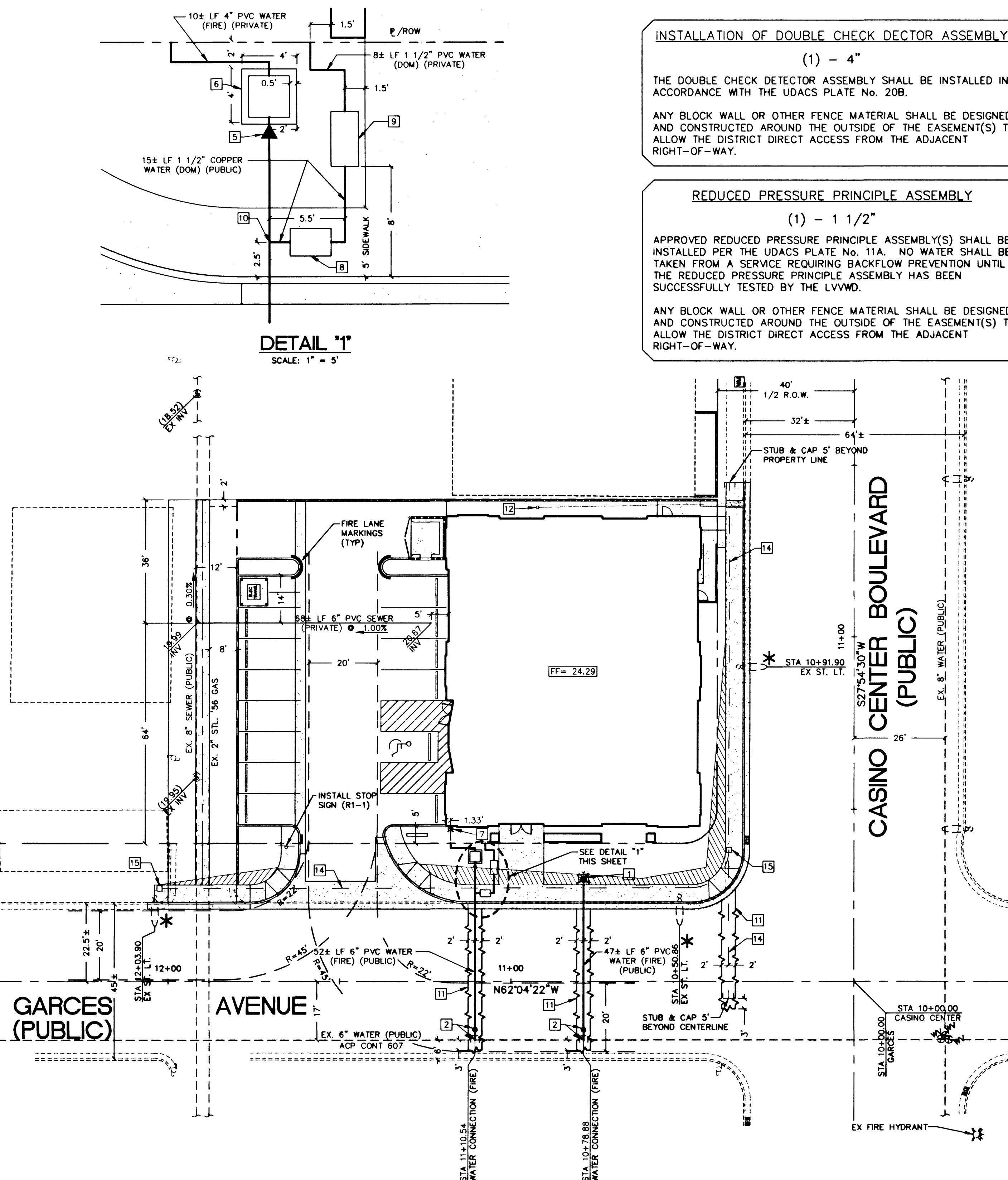
WALL MOUNTED F.D.C. & P.I.V. (FIRE) 1 EA

### PUBLIC STREET LIGHT ESTIMATE OF QUANTITIES

CONCRETE STREET LIGHT 3 EA

2" CONDUIT 321 LF

#3 1/2 PULL BOX 3 EA



### INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY

(1) - 4"

THE DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE No. 20B.

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.

### REDUCED PRESSURE PRINCIPLE ASSEMBLY

(1) - 1 1/2"

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.

### BASIS OF BEARING:

NORTH 27°54'30" EAST, BEING THE BEARING OF THE CENTERLINE OF CASINO CENTER BOULEVARD WITHIN SECTION 34, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE IN FILE 67 OF SURVEYS, AT PAGE 79.

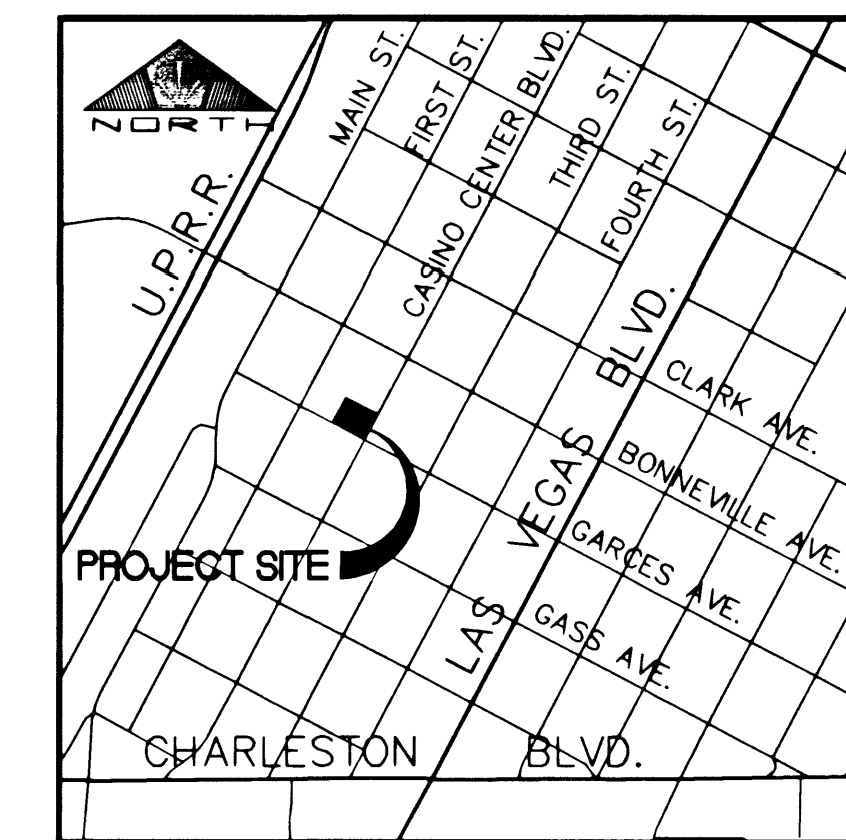
### BENCHMARK:

CITY OF LAS VEGAS BENCHMARK: #6C01 34SW6

RIVET AND PLATE IN TOP OF CURB, EAST CURB LINE ON LITE BASE. 200 FEET +/- SOUTH OF BONNEVILLE AVENUE ON MAIN STREET.

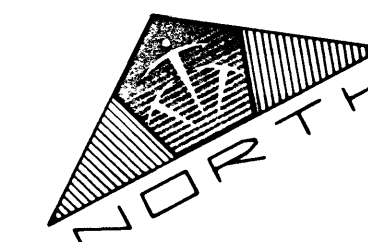
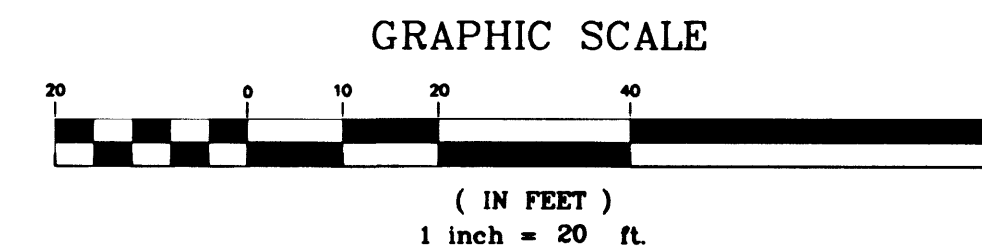
ELEVATION = 617.9057 METERS (PUBLISHED NAVD'88)

ELEVATION = 2027.25 U.S. SURVEY FEET (NAVD'88)



### LOCATION MAP

NOT TO SCALE



### SPECIAL NOTE

ALL DIMENSIONS TO CURBING, SHOWN HEREON, ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.

### FIRE HYDRANT INSTALLATION

FIRE HYDRANT(S) TO BE INSTALLED IN ACCORDANCE WITH THE UDACS STANDARD PLATE No. 7

Ray L. Lange  
 CITY OF LAS VEGAS FIRE DEPARTMENT

10/10/00  
 DATE

Ray L. Lange  
 LVVWD

12-08-00  
 DATE

### FIRE FLOW DATA

FIRE FLOW IS 1,500 GPM AT 20 PSI RESIDUAL PRESSURE

BASED ON:

SQUARE FOOTAGE: 12,868 SF

AREA BETWEEN 4 HOUR AREA SEPARATION WALLS: N/A

BUILDING HEIGHT: 30'-9 1/4"

NUMBER OF STORIES: 2

TYPE OF CONSTRUCTION: V-N

OCCUPANCY: 150

FULL AUTOMATIC FIRE SYSTEM: YES

### SEWER DATA

SEWER DAILY AVERAGE: 0.0019 MGD

SEWER PEAK FLOW: 0.0067 MGD

### WATER PRESSURE NOTE:

THIS PROJECT IS SERVED BY WATER FROM THE 2168 PRESSURE ZONE. THE APPROXIMATE STATIC PRESSURE AT THE FIRST FLOOR OF THE BUILDING IS 62 p.s.i. A PRESSURE REDUCTION VALVE IS NOT REQUIRED FOR THE DOMESTIC SERVICE TO THE BUILDING.

### NOTES:

1. ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.
2. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND TO NOTIFY ENGINEER IMMEDIATELY ON ANY DISCREPANCIES PRIOR TO CONSTRUCTION

### STREET LIGHT NOTE:

\* REMOVE AND RETURN STREET LIGHT POLES TO CITY OF LAS VEGAS YARDS AT 3104 E. BONANZA ROAD. CALL 24 HOURS BEFORE RETURNING AT 229-6331. INSTALL NEW DOWNTOWN STYLE CONCRETE STREET LIGHT. (SEE DETAIL, THIS SHEET)

| NO. | DESCRIPTION | DATE | APP'D |
|-----|-------------|------|-------|
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|                      |                       |
|----------------------|-----------------------|
| DATE: 09/25/00       | PM: D. KNOTT          |
| DRAWN BY: M. GRIMES  | DESIGNED BY: L. ROACH |
| CHECKED BY: D. KNOTT | ADA CHECKED:          |
| JOB NO.: 00900255    | SCALE: 1" = 20'       |

**PENTACORE**  
 CIVIL ENGINEERING • LAND SURVEYING • PLANNING  
 CONSTRUCTION MANAGEMENT • ADA CONSULTING  
 6783 WEST CHARLESTON BOULEVARD  
 LAS VEGAS, NEVADA 89146 (702)258-0115

**RALEIGH, HUNT & MCGARRY, P.C.**  
**LAW OFFICES**  
 UTILITY AND TRAFFIC PLAN

**Call before you OVERHEAD**  
 1-702-593-6111  
 24 HOURS SERVICE ALERT LINE

**Call before you Dig.**  
 1-800-227-2600  
 24 HOURS SERVICE ALERT LINE

**ENGINEER**  
 DANIEL A. KNOTT  
 CIVIL  
 No. 7373  
 10/13/00

SHEET **C4**  
 4 OF 4  
 DRAWING No. 107-V 3362