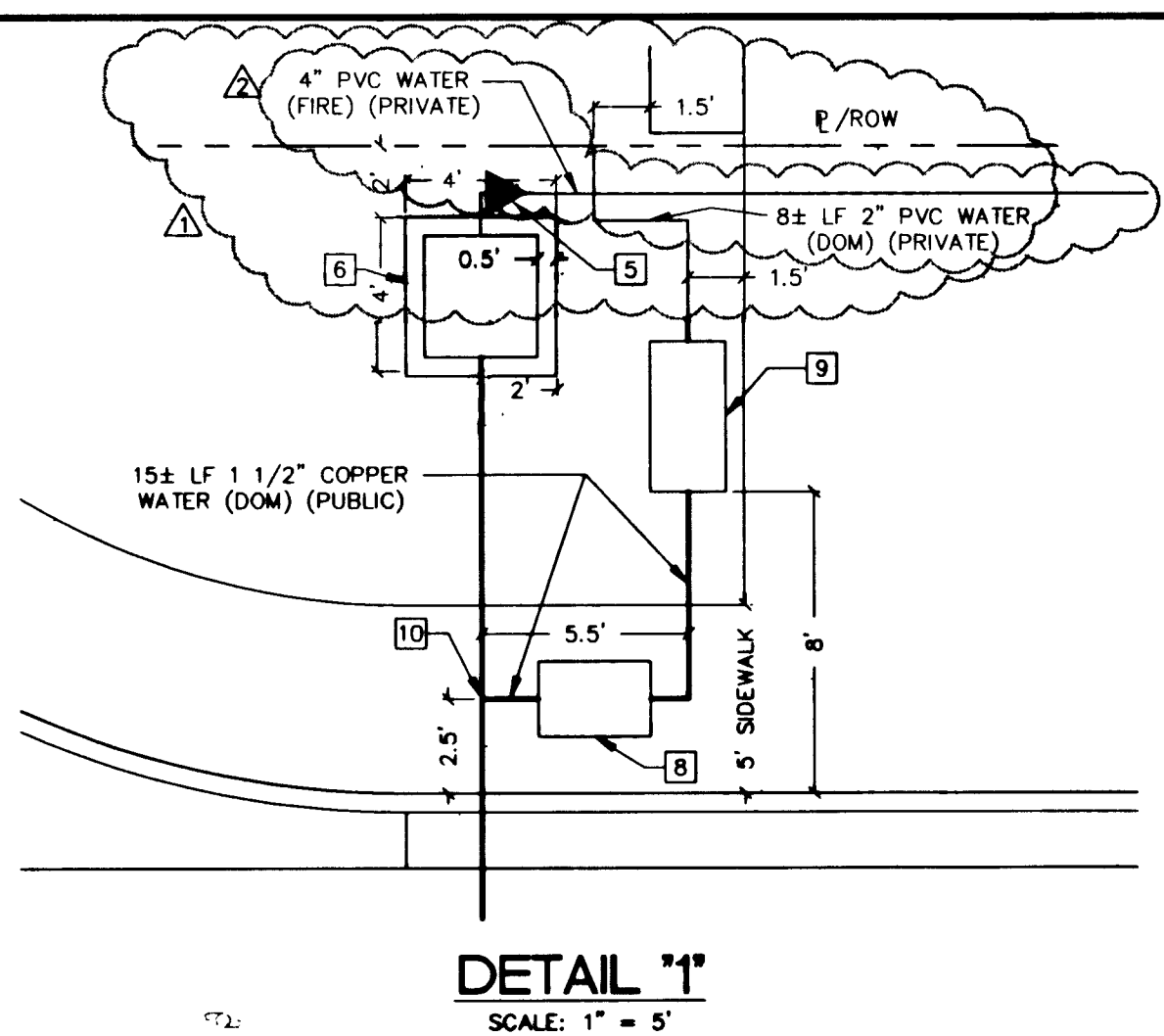
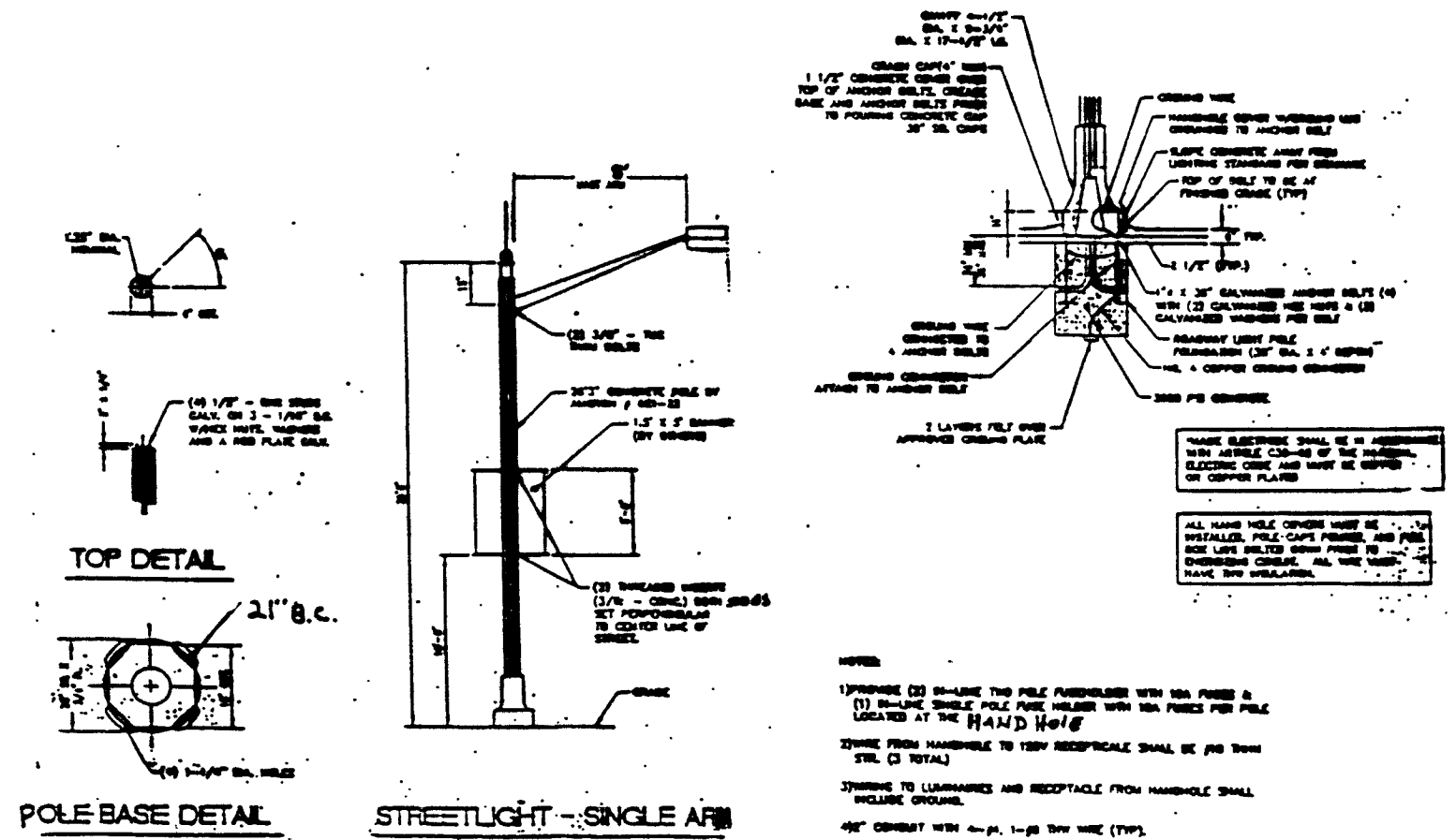
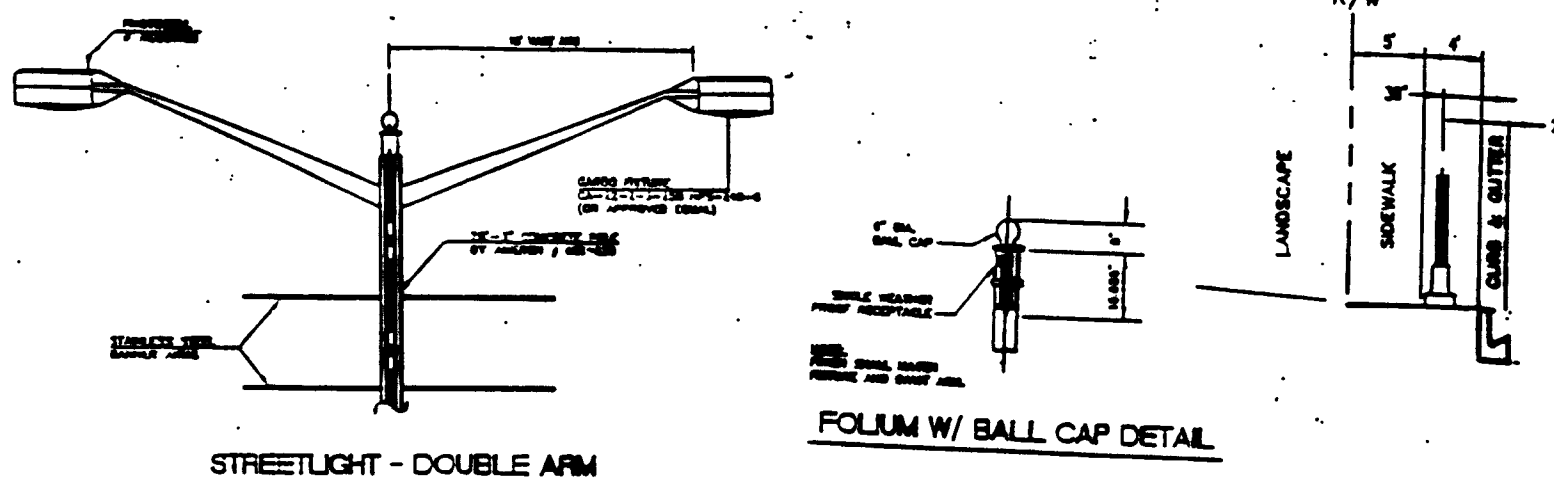
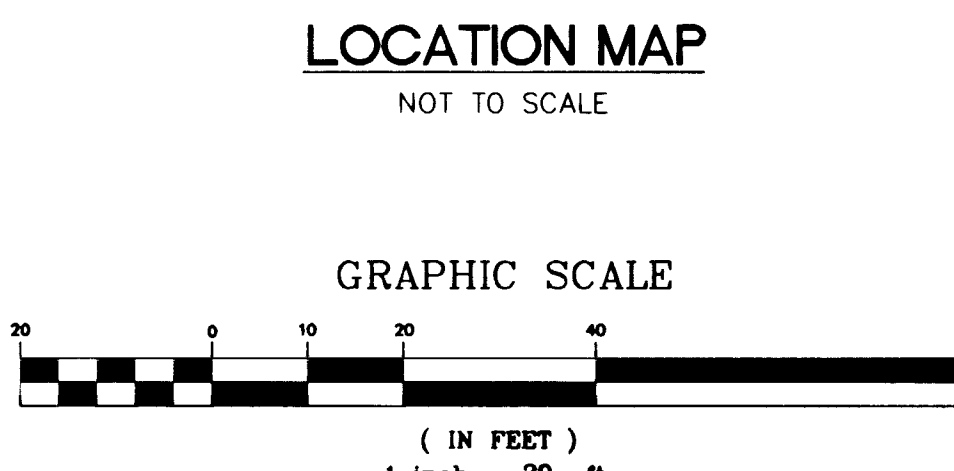




**INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY**  
(1) - 4"  
THE DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE No. 20B.  
ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT 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)



**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

CITY OF LAS VEGAS FIRE DEPARTMENT  
DATE 10/18/00

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.  
LVVWD #52 DATE 10/18/00

**CONSTRUCTION NOTES:**

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

**PUBLIC WATER ESTIMATE OF QUANTITIES**  
6" PVC WATER MAIN (FIRE) 99 LF  
1 1/2" COPPER WATER (DOM) 15 LF  
4" DCDA (FIRE) 1 EA  
FIRE HYDRANT ASSEMBLY (FIRE) 1 EA

6"x6"x6" MECHANICAL JOINT TAPPING SLEEVE & TAPPING GATE VALVE (FIRE) 2 EA  
6" x 4" REDUCER (FIRE) 1 EA  
1 1/2" METER (DOM) 1 EA  
1 1/2" CORP. STOP (DOM) 1 EA

**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)

**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

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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. CALL BEFORE YOU DIG: 1-800-227-2600.

Call before you OVERHEAD  
1-702-593-6111  
Call before you Dig.  
1-800-227-2600

**PENTACORE**  
CIVIL ENGINEERING - LAND SURVEYING - PLANNING  
CONSTRUCTION MANAGEMENT - ADJUTANT GENERAL  
6763 WEST CHARLESTON BOULEVARD  
LAS VEGAS, NEVADA 89146 (702)258-0115

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

DATE: 09/25/00  
DW: D. KNOTT  
DESIGNED BY: L. ROACH  
CHECKED BY: D. KNOTT  
JOB NO.: 0050-0255  
SCALE: 1" = 20'

NO. DESCRIPTION  
1. REVISE PRIVATE FIRE WATER LINE AND TDC LOCATION  
2. REVISE TRASH ENCLOSURE AND TRANS. PAD LOCATION/REUSE PUBLIC SIDEWALK  
3. REVISE DOMESTIC & FIRE WATERLINE SIZES  
DATE: 10/18/00  
APP'D: [Signature]

SHEET C4 OF 4  
DRAWING NO. 107-V 3362