

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT AT 20 PSI RESIDUAL PRESSURE = 1000 GPM

BASED ON:

SQUARE FOOTAGE: 65,000 SQ.FT.

LARGEST AREA BETWEEN 1-HOUR AREA SEPARATION WALLS: 70,078 SQ.FT.

BUILDING HEIGHT: 30 FT.

NUMBER OF STORIES: 2 FLOORS

TYPE OF CONSTRUCTION: TYPE I

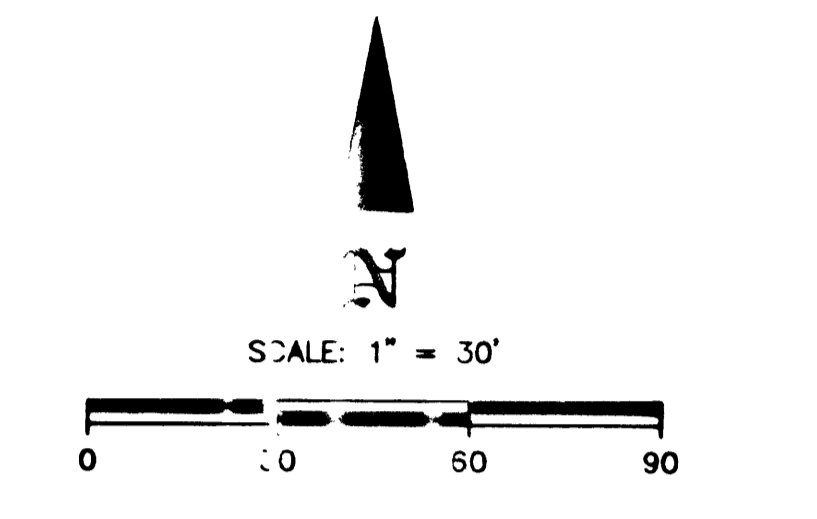
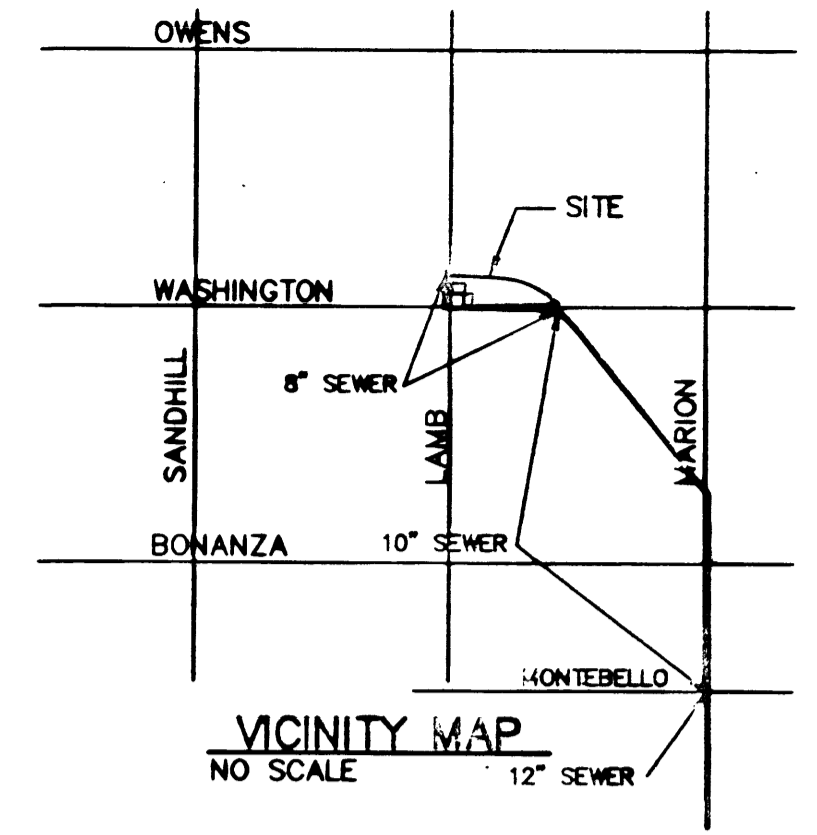
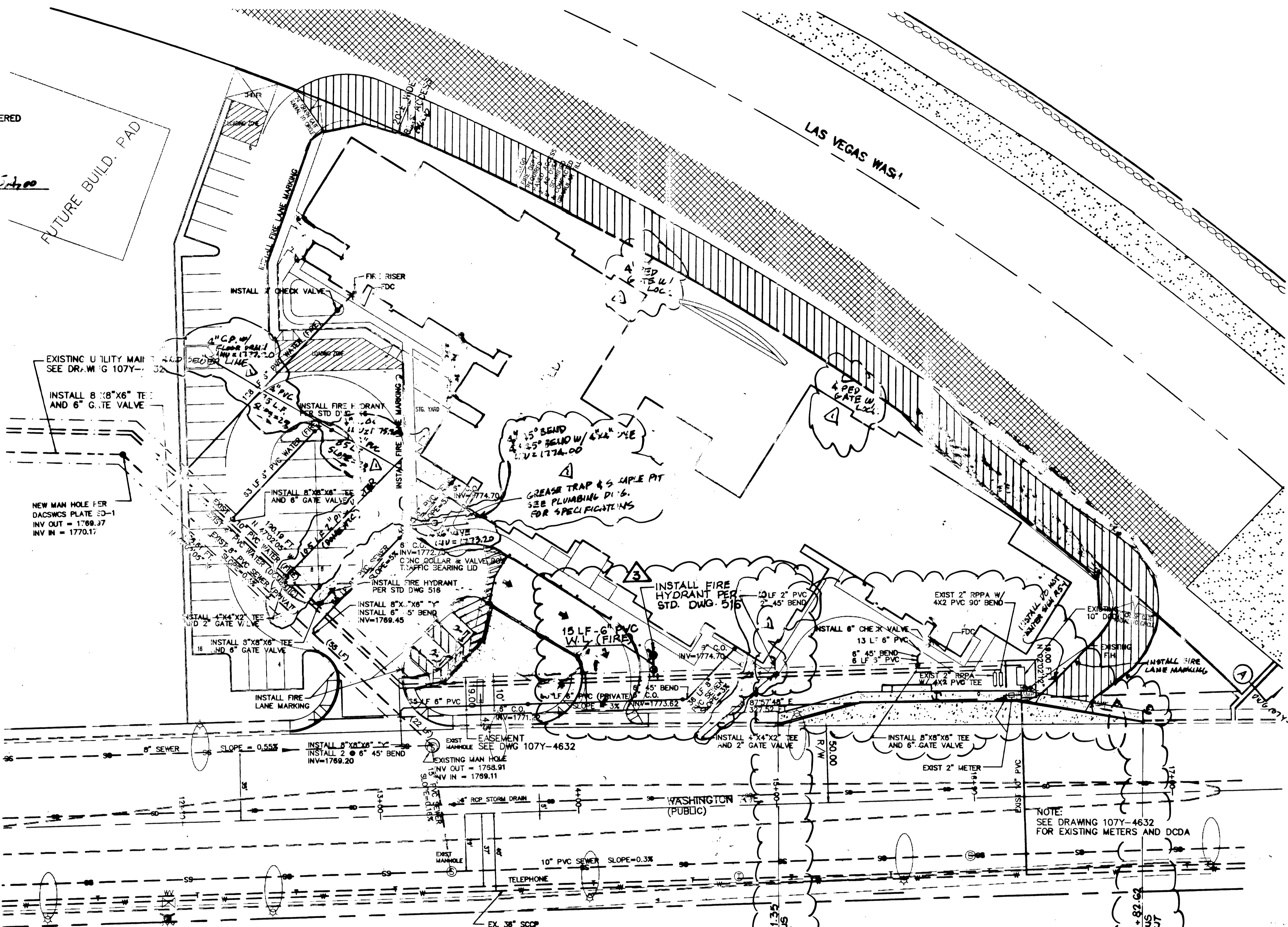
OCCUPANCY: 1-2

FULL AUTOMATIC FIRE SPRINKLER SYSTEM: BUILDING IS FULLY SPRINKLERED

FIRE HYDRANTS REQUIRED: 3

FIRE HYDRANTS PROVIDED: 1 EXISTING 2 NEW

REVIEWED BY: *[Signature]* DATE: 5/2/00



LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

- NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY LVVWD. FOLLOWING WATER PLAN APPROVAL, 48 HOUR NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (58-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 PM THE BUSINESS DAY PRIOR TO A LVVWD INSPECTION.
- ALL WORK SHALL CONFORM TO THE LVVWD'S STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
- ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SITE IMPROVEMENT, CLARK COUNTY AREA.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
- ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEYS AND CURB GUTTERS.
- THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND SANITARY OR STORM SEWER LINE CROSS:
 - A MINIMUM EIGHTEEN (18) INCH VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED OR THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR AS SHOWN ON THESE PLANS:
 - POTABLE WATER SUPPLY QUALITY MATERIAL.
 - ENCASEMENT WITH FOUR (4) INCH CONCRETE (MINIMUM)
 - SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.
- WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) INCH DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.
- ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD DISTRIBUTION SYSTEM.
- THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 FORTY-EIGHT (48) HOURS PRIOR TO PICKUP.
- CONSTRUCTION MAY INTERRUPT SERVICE WITH LVVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 PM AND 6 AM, SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED, WITHOUT LVVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVVWD APPROVAL.
- ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES. LATEST REVISION OR SPECIFICALLY APPROVED ON THESE PLANS.

SEWER QUANTITIES

PRIVATE	
2 @	8X8X6 "Y"
286 LF @	6" PVC MAIN
4 @	6" 45° BEND
5 @	6" CLEAN OUT

WATER QUANTITIES

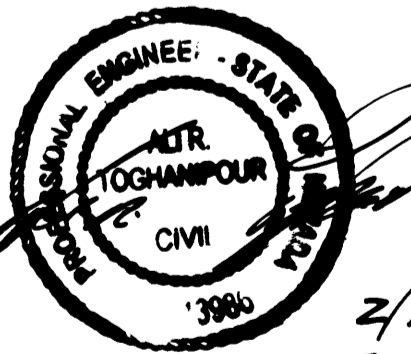
PRIVATE	
4 @	8X8X6 TEE
4 @	6" GATE VALVE
220 LF @	6" PVC MAIN
1 @	6" 45° BEND
2 @	6" CHECK VALVE
2 @	FIRE DEPARTMENT CONNECTION
2 @	4X4X2 TEE
2 @	2" GATE VALVE
107 LF @	2" PVC LATERAL
1 @	2" 45° BEND
2 @	FIRE HYDRANT

SEWER CONTRIBUTION

91 BEDS (0.75) = 68.25 BGD

AVERAGE = 0.223 MGD

SEE AZRA COMMERCIAL SUBDIVISION UTILITY DRAWING FOR QUANTITIES DRAWING 107Y-4632



2/12/01 FOR REVISION #2

Call before you Dig - 1-800-227-2600

Call before you Overhead - 1-702-593-6111

NOT APPROVED FOR CONSTRUCTION

[Signature] 5-31-00

LAS VEGAS VALLEY WATER DISTRICT DATE: 6/2/00

[Signature]

PREPARED FOR: SALIM RANA, 3230 EAST FLAMINGO RD., LAS VEGAS, NV 89121, (702) 269-2008

BY: AFFLECK ENTERPRISES, 4987 IDAHO AVE., LAS VEGAS, NEVADA, 89104, (702) 431-8622, Fax: (702) 431-1243

PROJECT NAME: VILLE DI TUSCANY WASHINGTON AVE AT LAMB BLVD. CITY OF LAS VEGAS, NEVADA

DATE: 4/20/00

DESIGNED BY: L.H. AFFLECK

CHECKED BY: L.H. AFFLECK

PROJECT NO: 00028

SCALE: 1/4"

SHEET: 3 OF 4 SHEETS

DRAWING NO: 107-V3303

25010 29676 30273

THE PLAN CONTAINS:
 1. GENERAL NOTES
 2. SPECIFICATIONS
 3. SCHEDULES
 4. DIMENSIONS
 5. MATERIALS
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