

BENCHMARK
 BENCHMARK OLV-0015N4 RIVET & PLATE IN TOP OF CURB, 7331 W. CHEYENNE AVENUE @ FIRE STATION 42, SOUTH CURB LINE.
 ELEVATION: 2333.43 FEET NGVD 29
 ADD 2.44 FEET TO ALL ELEVATIONS FOR NAVD 88

BASIS OF BEARINGS
 THE EAST LINE OF THE SOUTHEAST QUARTER (SE1/4) OF SECTION 15, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., WHICH BEARS SOUTH 00°15'05" EAST AS SHOWN BY MAP IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER IN FILE 42 OF SURVEYS ON PAGE 32.

SEWER NOTES:

1. 6" PVC SEWER LINE 305 LF
2. 4" PVC SEWER LINE 88 LF
3. SEWER CLEAN OUT 6 EA
4. 8" STORM DRAIN - SEE ARCH. PLANS FOR CONT. 36 LF
5. 10" STORM DRAIN - SEE ARCH. PLANS FOR CONT. 25 LF
6. CONNECT TO EXIST. 6" S.S. LATERAL INSTALLED PER CLV #107-VI671 SHEET 8 OF 14. SEE SEWER LATERAL NOTE, BELOW.

WATER NOTES:

1. 8" PVC WATERLINE (CLASS 150, AWWA C900) 480.60 LF
2. 2" WATER METER ASSEMBLY PER UDACS STD. PLATE 1D 1 EA
3. 3" PVC WATERLINE (CLASS 150, AWWA C900) 498.91 LF
4. 2" RPPA PER UDACS STD. PLATE 11A 1 EA
5. 8" DCCA PER UDACS STD. PLATE 20B 1 EA
6. 8" x 6" REDUCER 1 EA
7. 8" x 8" 90° ELBOW 4 EA
8. 3" x 3" 90° ELBOW 4 EA
9. 16" x 20" LVWD EASEMENT 1 EA
10. INSTALL FIRE HYDRANT PER UDACS STD. PLATE #7

SEWER LATERAL NOTE: CONTRACTOR TO FIELD VERIFY EXIST. INV. AND IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCY.

Bonnie Craft
 L.V.V.W.D. DATE 11-17-98

FIRE DEPARTMENT APPROVAL
 APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVWD.

1 - 2" REDUCED PRESSURE PRINCIPLE ASSEMBLY
 APPROVED REDUCED PRESSURE 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 L.V.V.W.D..
 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.
INSTALLATION OF 1 - 8" DOUBLE CHECK DETECTOR ASSEMBLY
 THE DOUBLE CHECK DETECTOR ASSEMBLY(S) SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE 20B.
 ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), SO AS TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

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

UTILITY NOTE

UTILITY LOCATIONS SHOWN HEREON 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

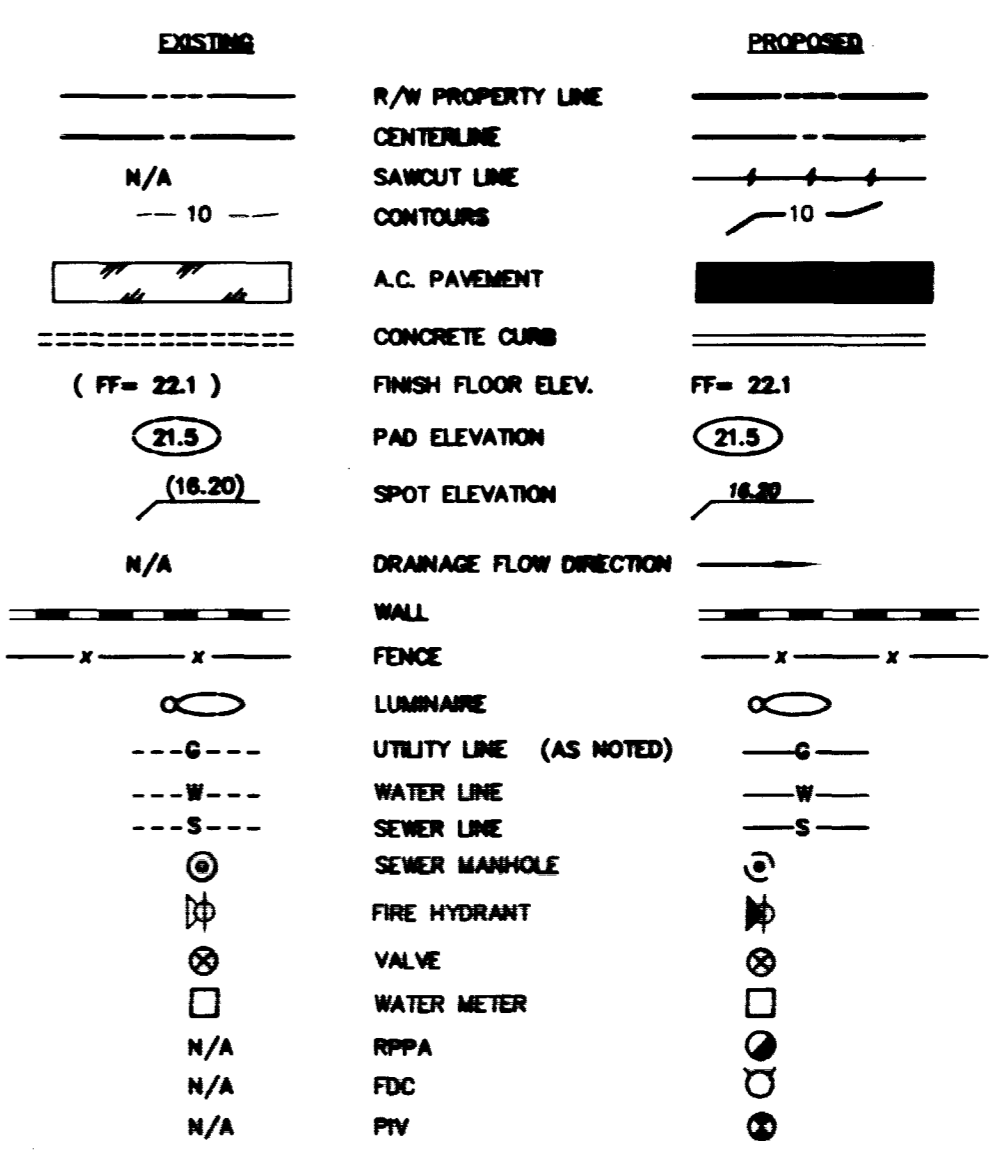
LAS VEGAS FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 1,500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL PRESSURE
BASED ON:
 SQUARE FOOTAGE: 69,600 SQUARE FEET
 LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS:
 BUILDING HEIGHT: 3-STORY
 TYPE OF CONSTRUCTION: TYPE II - FR.
 OCCUPANCY:
 FULL AUTOMATIC FIRE SPRINKLER SYSTEM: YES
 REVIEWED BY: *Agg. M. Miller*
 DATE: 10-23-98
 APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR NOR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

PROJECT NAME: Las Vegas I.M.P.
 P.C. 6
 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.
Bonnie Craft 10-22-98
 LVWD DATE

BASED ON 69,600 SQ. FT. BLDG
 SEWER CONTRIBUTION RATE
 PEAK FLOW # 22.0 MGD
 AVE. FLOW # 10.0 MGD

LEGEND



Call before you Overhead
 593-6111
 UNDERGROUND SERVICE ALERT
Call before you Dig.
 1-800-227-2600
 UNDERGROUND SERVICE ALERT

REVISION

REV	DATE	BY	DESCRIPTION
1	6/25/98	BKB	CHANGE MATERIAL TYPE AND METER SIZE
2	6/25/98	BKB	ADD DUAL 12" STORM DRAIN SYSTEM
3	10/19/98	ANS	SAJ SELCOR REVISIONS
4	10/19/98	ANS	

UTILITY PLAN

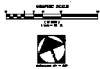
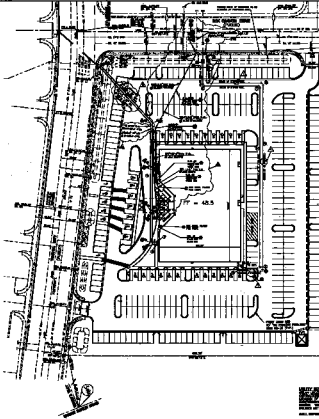
LAS VEGAS MP

THE WLB Group
 Engineering • Landscape Architecture
 Planning • Urban Design • Surveying
 2551 N. Green Valley Pkwy., Suite A425
 HENDERSON, NV, 89014 (702) 458-2551

Drawn by: **ANS** 07/01/98
 Designed by: **BKB** 4-21-98
 Checked by: **ANS** 4-21-98
 Project No.: 495031-A-002
 Scale: 1" = 30' (H)

SEAL
 REGISTERED PROFESSIONAL ENGINEER
A. NELSON STONE II
 CIVIL
 No. 7649
 STATE OF NEVADA

SHEET **C6**
 6 OF 8 SHEETS
 DRAWING NO. **107-V2935**



THIS PLAN IS A PART OF THE RECORD DRAWINGS FOR THE PROJECT AND IS TO BE KEPT WITH THE RECORD DRAWINGS.

- 1. 1/4\"/>

LAS VEGAS FIRE DEPARTMENT
PLUMBING DEPARTMENT

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 TITLE: _____
 PROJECT NO.: _____
 SHEET NO.: _____

Work within given conditions, on hand utility plan, and any necessary utility connections on-site.

[Signature]
 DATE: _____

[Signature]
 DATE: _____

NOTES:

1. ALL UTILITIES TO BE INSTALLED AS SHOWN ON THIS PLAN.
2. ALL UTILITIES TO BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS PLUMBING CODE.
3. ALL UTILITIES TO BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS WATER AND SEWERAGE DEPARTMENT REGULATIONS.
4. ALL UTILITIES TO BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GAS DEPARTMENT REGULATIONS.

NO.	DESCRIPTION	DATE
1	AS SHOWN	1/1/78
2	AS SHOWN	1/1/78
3	AS SHOWN	1/1/78
4	AS SHOWN	1/1/78
5	AS SHOWN	1/1/78
6	AS SHOWN	1/1/78
7	AS SHOWN	1/1/78
8	AS SHOWN	1/1/78
9	AS SHOWN	1/1/78
10	AS SHOWN	1/1/78
11	AS SHOWN	1/1/78
12	AS SHOWN	1/1/78
13	AS SHOWN	1/1/78
14	AS SHOWN	1/1/78
15	AS SHOWN	1/1/78
16	AS SHOWN	1/1/78
17	AS SHOWN	1/1/78
18	AS SHOWN	1/1/78
19	AS SHOWN	1/1/78
20	AS SHOWN	1/1/78

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 TITLE: _____
 PROJECT NO.: _____
 SHEET NO.: _____

WLB

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 TITLE: _____
 PROJECT NO.: _____
 SHEET NO.: _____

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 TITLE: _____
 PROJECT NO.: _____
 SHEET NO.: _____