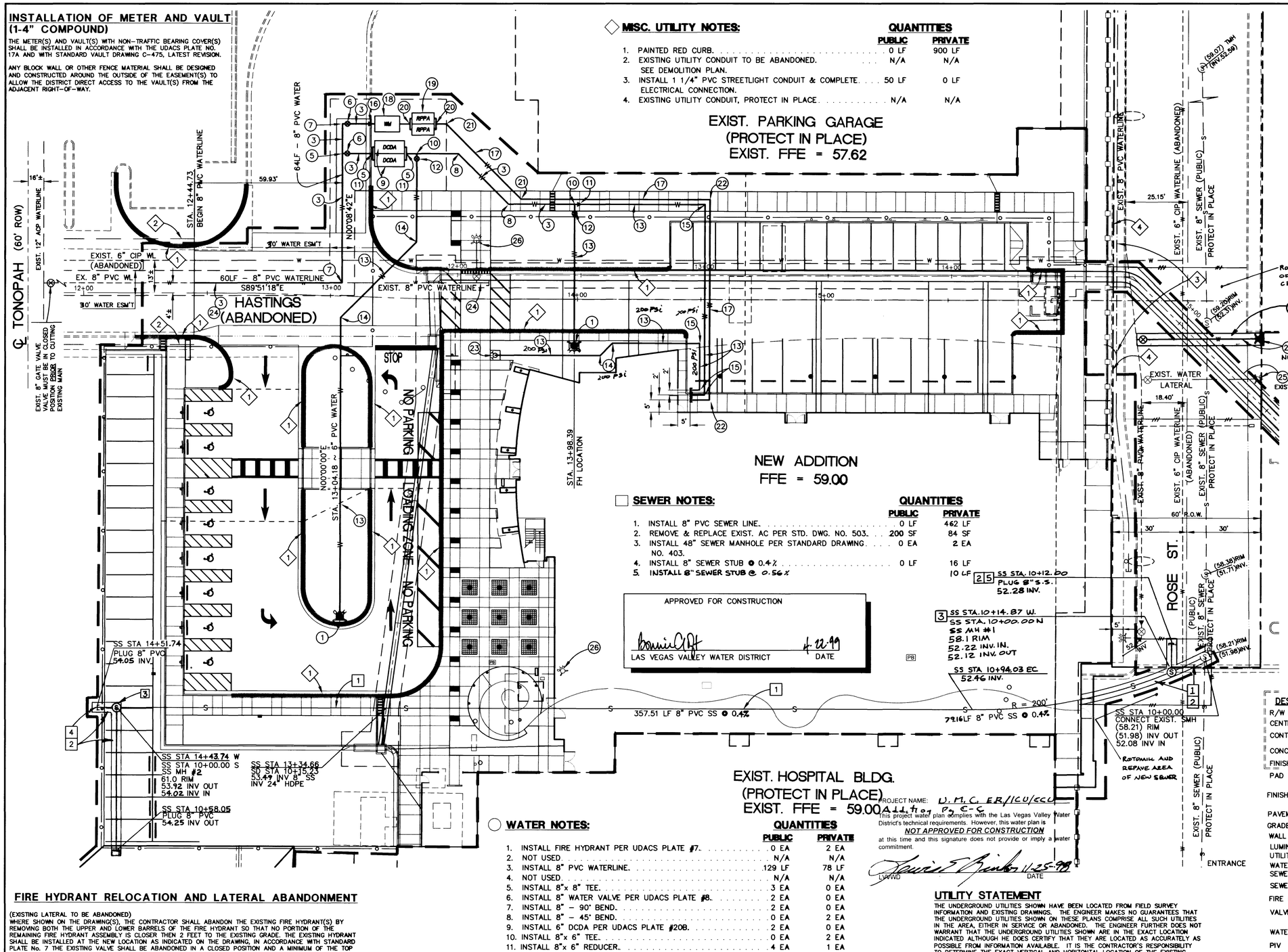
INSTALLATION OF METER AND VAULT (1-4" COMPOUND)

THE METER(S) AND VAULT(S) WITH NON-TRAFFIC BEARING COVER(S) SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 17A AND WITH STANDARD VAULT DRAWING C-475, LATEST REVISION.

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 TO THE VAULT(S) FROM THE ADJACENT RIGHT-OF-WAY.



◇ MISC. UTILITY NOTES:

	QUANTITIES PUBLIC	QUANTITIES PRIVATE
1. PAINTED RED CURB.	0 LF	900 LF
2. EXISTING UTILITY CONDUIT TO BE ABANDONED. SEE DEMOLITION PLAN.	N/A	N/A
3. INSTALL 1 1/4" PVC STREETLIGHT CONDUIT & COMPLETE ELECTRICAL CONNECTION.	50 LF	0 LF
4. EXISTING UTILITY CONDUIT, PROTECT IN PLACE	N/A	N/A

☐ SEWER NOTES:

	QUANTITIES PUBLIC	QUANTITIES PRIVATE
1. INSTALL 8" PVC SEWER LINE.	0 LF	462 LF
2. REMOVE & REPLACE EXIST. AC PER STD. DWG. NO. 503.	200 SF	84 SF
3. INSTALL 48" SEWER MANHOLE PER STANDARD DRAWING NO. 403.	0 EA	2 EA
4. INSTALL 8" SEWER STUB @ 0.4%	0 LF	16 LF
5. INSTALL 8" SEWER STUB @ 0.56%		10 LF

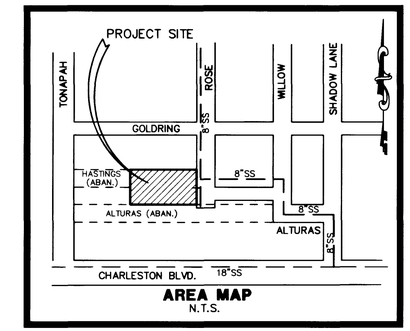
○ WATER NOTES:

	QUANTITIES PUBLIC	QUANTITIES PRIVATE
1. INSTALL FIRE HYDRANT PER UDACS PLATE #7.	0 EA	2 EA
2. NOT USED	N/A	N/A
3. INSTALL 8" PVC WATERLINE.	129 LF	78 LF
4. NOT USED	N/A	N/A
5. INSTALL 8"x 8" TEE.	3 EA	0 EA
6. INSTALL 8" WATER VALVE PER UDACS PLATE #8.	2 EA	0 EA
7. INSTALL 8" - 90° BEND.	2 EA	0 EA
8. INSTALL 8" - 45° BEND.	0 EA	2 EA
9. INSTALL 6" DCDA PER UDACS PLATE #20B.	2 EA	0 EA
10. INSTALL 8"x 6" TEE.	0 EA	2 EA
11. INSTALL 8"x 6" REDUCER.	4 EA	1 EA
12. INSTALL 6" PVC WATER VALVE.	0 EA	2 EA
13. INSTALL 6" WATERLINE.	28 LF	498 LF
14. INSTALL 6" - 45° BEND.	0 EA	4 EA
15. INSTALL 6" - 90° BEND	0 EA	4 EA
16. INSTALL 8"x 4" REDUCER.	1 EA	0 EA
17. INSTALL 4" PVC WATERLINE.	43 LF	213 LF
18. INSTALL 4" COMPOUND WATER METER ASSY. PER UDACS PLATE #17A.	1 EA	0 EA
19. INSTALL 4" RPPA PER UDACS PLATE #11B.	2 EA	0 EA
20. INSTALL 4"x 4" TEE.	2 EA	0 EA
21. INSTALL 4" - 45° BEND.	0 EA	2 EA
22. INSTALL 4" - 90° BEND.	0 EA	2 EA
23. INSTALL F.D.C.	0 EA	1 EA
24. REMOVE EXISTING 8" WATERLINE.	120 LF	0 LF
25. REMOVE EXISTING F.H. ASSEMBLY & RELOCATE NEW LATERAL SHOULD MAINTAIN A 6' MIN. DEPTH TO TOP OF PIPE TO ACCOMODATE FUTURE CONSTRUCTION	1 EA	0 EA
26. REMOVE EXIST FIRE HYDRANT & FIRE LATERAL. RETURN FIRE HYDRANTS TO CLV.	2 EA	0 EA
27. REMOVE AND REPLACE EXISTING AC PER USD #503.	258 SF	0 SF

PROJECT NAME: U.M.C. ER/ICU/CCU

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 — DATE 11-25-98



AREA MAP
N.T.S.

SCALE: 1" = 20'
GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

LAS VEGAS FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS: 1750 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL PRESSURE.

BASED ON:

SQUARE FOOTAGE: ..... 52,795 SQUARE FEET

LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: 52,795

BUILDING HEIGHT: 2-STORY

TYPE OF CONSTRUCTION: ..... TYPE I - FR.

OCCUPANCY: I

FULL AUTOMATIC FIRE SPRINKLER SYSTEM: ..... YES

REVIEWED BY: _____

DATE: 11/25/98

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.

LEGEND

DESC.	PROPOSED	EXISTING
R/W PROPERTY LINE		
CENTERLINE		
CONTOURS	10	10
CONCRETE CURB		
FINISH FLOOR ELEV.	FFE = 22.10	EXIST. FFE= 22.10
PAD ELEVATION	21.5	21.5
FINISH GRADE ELEVATION	42.81 FG	(42.81) EG
PAVEMENT SLOPE	2.00%	N/A
GRADE BREAK		N/A
WALL		
LUMINAIRE		
UTILITY LINE (AS NOTED)	G	G
WATER LINE	W	W
SEWER LINE	S	S
SEWER MANHOLE	Ⓢ	Ⓢ
FIRE HYDRANT		
VALVE	⊗	⊗
WATER METER	WM	WM
PIV		
FDC		
RPPA	RPPA	RPPA
DCDA	DCDA	DCDA
INSTALL ASPHALT		N/A
RED CURB		N/A
MAX. LIMITS OF ROTOMILL AND REPAVE		

FIRE HYDRANT RELOCATION AND LATERAL ABANDONMENT

(EXISTING LATERAL TO BE ABANDONED)
WHERE SHOWN ON THE DRAWING(S), THE CONTRACTOR SHALL ABANDON THE EXISTING FIRE HYDRANT(S) BY REMOVING BOTH THE UPPER AND LOWER BARRELS OF THE FIRE HYDRANT SO THAT NO PORTION OF THE REMAINING FIRE HYDRANT ASSEMBLY IS CLOSER THEN 2 FEET TO THE EXISTING GRADE. THE EXISTING HYDRANT SHALL BE INSTALLED AT THE NEW LOCATION AS INDICATED ON THE DRAWING, IN ACCORDANCE WITH STANDARD PLATE No. 7 THE EXISTING VALVE SHALL BE ABANDONED IN A CLOSED POSITION AND A MINIMUM OF THE TOP 12 INCHES OF THE VALVE BOX REMOVED. THE REMAINING PORTION OF THE VALVE BOX SHALL BE FILLED WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST 2,000 psi. THE REMAINING PORTION OF THE HOLE MAY BE FILLED WITH CONCRETE OR ASPHALT CEMENT. THE LATERAL SHALL BE CUT AND CAPPED WHERE INDICATED. WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION, THE INSTALLATION OF A PLUG MAY BE PERMITTED, WITH AGENCY APPROVAL. A CONCRETE THRUST BLOCK SHALL BE INSTALLED AT ALL CUT AND CAP LOCATIONS IN ACCORDANCE WITH THE PROVISIONS IF STANDARD PLATE No. 5.

INSTALLATION OF:

TWO (2) 4" REDUCED PRESSURE PRINCIPLE ASSEMBLY

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11B. 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.

TWO (2) 6" DOUBLE CHECK DETECTOR ASSEMBLY

THE DETECTOR CHECK(S) SHALL BE INSTALLED IN ACCORDANCE WITH THE AGENCY'S STANDARD PLATE NO. 20B. ANY BLOCK WALL OR FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF OF THE EASEMENT(S), SO AS TO ALLOW THE DISTRICT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN ON THESE PLANS COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF THE EXISTING UNDERGROUND UTILITIES IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION.

STATIC PRESSURE NOTE

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

BENCHMARK

C.L.V. VERTICAL CONTROL NO. 9, STATION 2LV01, 33SWS RIVET AND PLATE IN TOP OF CURB, NE RETURN CHARLESTON BOULEVARD AND TONOPAH DRIVE.

ELEVATION 2061.91 FEET = 628.4724 METERS (NAVD 88)

BASIS OF BEARING

NORTH 00°15'54" EAST, BEING THE WEST LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN ON A MAP IN FILE 51, PAGE 84 OF SURVEYS, IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

SEWER CONTRIBUTION RATE	
PEAK FLOW	0.003 MGD
AVE. FLOW	0.001 MGD

SAFETY ALERT — Call before you Overhead 593-6111 OVERHEAD SERVICE ALERT

Avoid cutting underground utility lines. It's costly. Call before you Dig. 1-800-227-2600 UNDERGROUND SERVICE ALERT

REV	DATE	BY	REVISION

ARCH: HOLMES SABATINI ASSOCIATES
1 COMMERCE CENTER DRIVE
HENDERSON, NV. 89014
(702) 436-1008

The WLB Group INC. — Engineering • Landscape Architecture • Planning • Urban Design • Surveying
2551 N. Green Valley Pkwy. Suite 1425
HENDERSON, NV. 89014 (702) 458-2551

SHEET TITLE: UTILITY PLAN 1

PROJECT: UNIVERSITY MEDICAL CENTER ER/ICU/CCU ADDITION

3/20/98

Drawn by: OF
Designed by: TDA
Checked by: THL
Project No.: 4970244001
Scale: 1" = 20' (H) 1" = 2' (V)

PROFESSIONAL ENGINEER — STATE OF NEVADA — TED H. LYON — CIVIL — No. 5428 — 11/25/98

SHEET C6 — 6 OF 13 SHEETS

DRAWING NO. 107-V2911

14993 15246

INSTALLATION OF METER AND VAULT (1'-4" COMPOUND)

EXIST. PARKING GARAGE
(PROTECT IN PLACE)
EXIST. FFE = 57.02

NEW ADDITION
FFE = 59.00

EXIST. HOSPITAL BLDG.
(PROTECT IN PLACE)
EXIST. FFE = 60.00

HARTNER (ABANDONED)

TONOPAH (60' ROW)

FIRE ST.

GRAPHIC SCALE

LAS VEGAS FIRE DEPARTMENT

APPROVED FOR CONSTRUCTION

FIRE HYDRANT RELOCATION AND LATERAL ABANDONMENT

INSTALLATION OF:

TWO OR 4" REDUCED PRESSURE PRINCIPLE ASSEMBLY

TWO OR 4" DOUBLE CHECK DETECTOR ASSEMBLY

UTILITY STATEMENT

STATIC PRESSURE NOTE

DRAWING OF RECORD

ARCH: HOLMES SABATINI ASSOCIATES

WLB GROUP

UTILITY PLAN 1

UNIVERSITY MEDICAL CENTER ENGELWOOD ADDITION