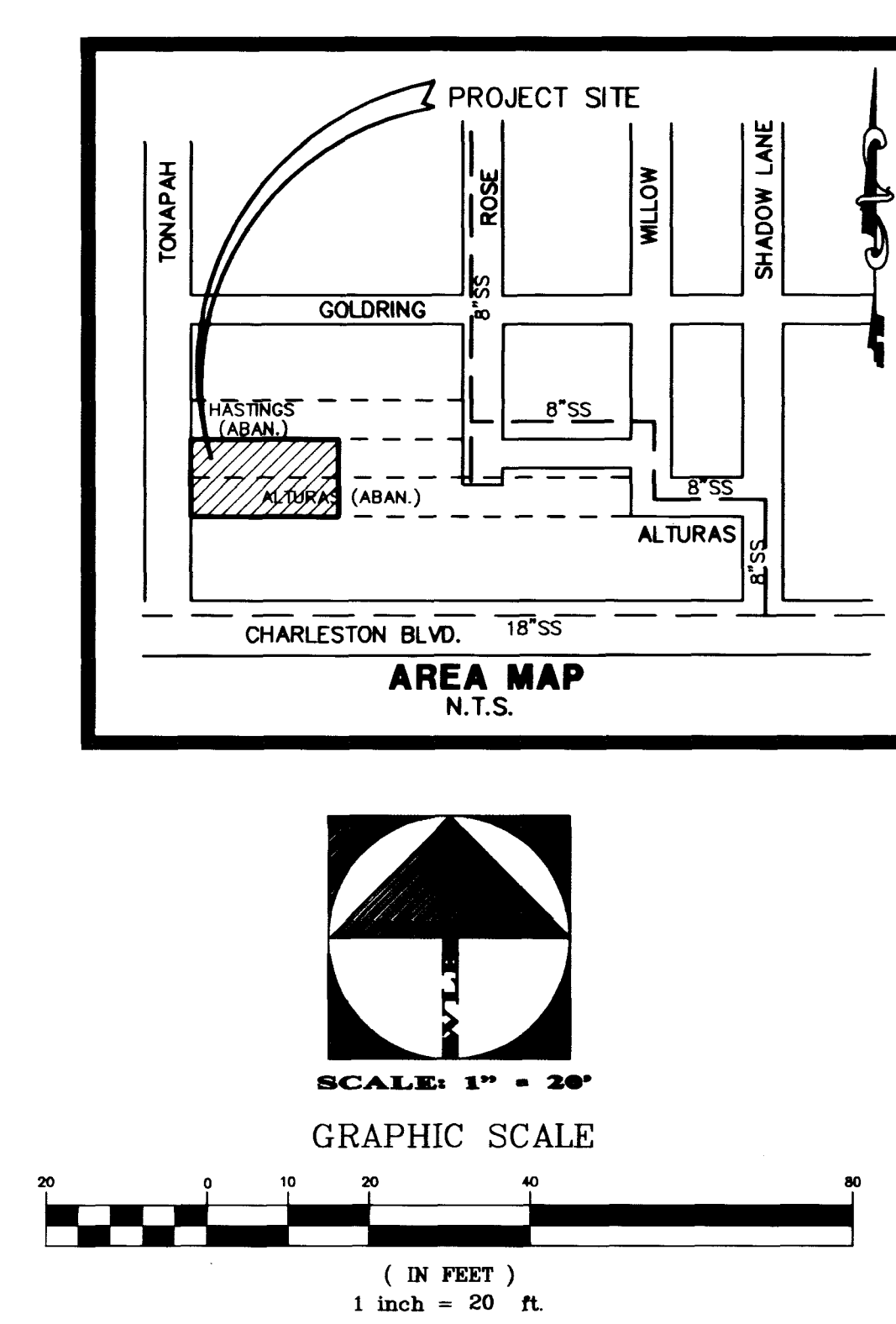
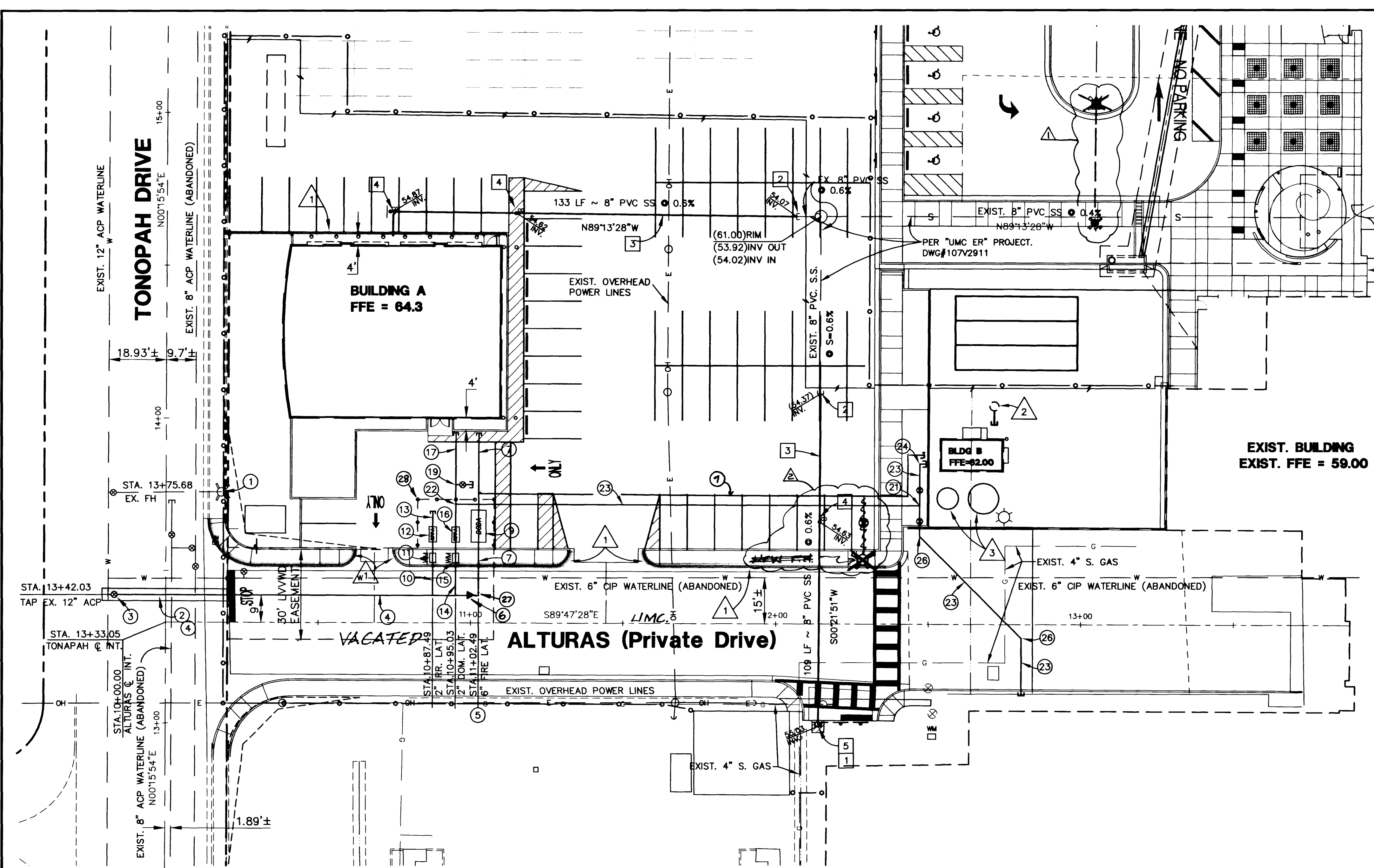




<u>LAS VEGAS FIRE DEPARTMENT</u>		
FIRE FLOW REQUIREMENT IS: 1500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL PRESSURE.		
<u>BASED ON:</u>	<u>GENERATOR BUILDING</u>	<u>LABORATORY STORAGE</u>
SQUARE FOOTAGE:.....	3,800 SQUARE FEET	200 SQUARE FEET
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS:.....	3,800 SQUARE FEET	200 SQUARE FEET
BUILDING HEIGHT:.....	1-STORY	1-STORY
TYPE OF CONSTRUCTION:.....	TYPE I	TYPE I
OCCUPANCY:.....	S-1	H-1
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:.....	YES	YES
REVIEWED BY: <u></u>		
DATE: <u>4-9-99</u>		
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.		

	QUANTITIES	
	PRIVATE	PUBLIC
1. SAWCUT & REMOVE EXIST. AC, BACKFILL PER STD. DWG. NO. 502.	2 LF	0 LF
2. CONNECT TO EXIST. 8" PVC SEWER STUB.	2 EA	0 EA
3. INSTALL 8" PVC SEWER LINE.	241 LF	0 LF
4. INSTALL 8" SEWER CLEAN-OUT.	3 EA	0 EA
5. PLUG 8" SEWER FOR FUTURE EXTENSION.	1 EA	0 EA

	QUANTITIES	
	PRIVATE	PUBLIC
1. EXISTING FIRE HYDRANT, PROTECT IN PLACE.	1 EA	0 EA
2. SAWCUT, REMOVE AND REPLACE EXISTING ASPHALT PER STD. DWG. 503.	0 LF	41 LF
3. INSTALL 8" TAPPING SLEEVE AND VALVE.	0 EA	1 EA
4. INSTALL 8" PVC WATERLINE.	0 LF	115 LF
5. INSTALL 8" x 6" PVC TEE.	0 EA	1 EA
6. INSTALL 8" x 6" PVC REDUCER.	0 EA	1 EA
7. INSTALL 6" PVC WATERLINE.	32 LF	30 LF
8. INSTALL 6" WATER VALVE PER UDACS PLATE # 8.	0 EA	1 EA
9. INSTALL 6" DCDA PER UDACS PLATE #11D.	0 EA	1 EA
10. INSTALL 2" COPPER WATERLINE (IRRIGATION).	0 LF	35 LF
11. INSTALL 2" WATER METER ASSEMBLY PER UDACS PLATE #1D (IRRIGATION).	0 EA	1 EA
12. INSTALL 2" RPPA PER UDACS PLATE #11A (IRRIGATION).	0 EA	1 EA
13. INSTALL 2" PVC WATERLINE (IRRIGATION).	0 EA	1 EA
14. INSTALL 2" COPPER WATERLINE (DOMESTIC).	50 LF	15 LF
15. INSTALL 2" WATER METER ASSEMBLY PER UDACS PLATE #1D (DOMESTIC).	0 EA	1 EA
16. INSTALL 2" RPPA PER UDACS PLATE #11A (DOMESTIC).	0 EA	1 EA
17. INSTALL 2" PVC WATERLINE (DOMESTIC).	35 LF	27 LF
18. SAWCUT & REMOVE EXISTING ASPHALT BACKFILL PER STD. DWG. 502.	40 LF	0 LF
19. INSTALL 2" x 2" PVC TEE (DOMESTIC).	5 LF	0 EA
20. INSTALL 2" STUB AND PLUG FOR FUTURE PLANT OPERATION BUILDING (DOMESTIC).	1 EA	0 EA
21. INSTALL 1 1/2" TEE.	1 EA	0 EA
22. INSTALL 2" x 1 1/2" TEE.	1 EA	0 EA
23. INSTALL 1 1/2" PVC WATERLINE.	164 LF	0 LF
24. INSTALL 1 1/2" - 90° BEND.	1 EA	0 EA
25. INSTALL 8" 90° ELBOW.	1 EA	0 EA
26. INSTALL 1 1/2" 45° ELBOW.	2 EA	0 EA
27. INSTALL 6" 90° ELBOW.	1 EA	0 EA
28. INSTALL BOLLARDS PER UDACS STD. PLATE #23.		

	QUANTITIES	
	PRIVATE	PUBLIC
1. RED CURB.	140 LF	0 LF
2. INSTALL UNDERGROUND HAZEROUS WASTE STORAGE TANK (SEE MECAHNICAL PLANS).	1 EA	0 EA
3. INSTALL ABOVE GROUND SERGICAL GAS STORAGE TANK (SEE MECAHNICAL PLANS).	2 EA	0 EA

PROJECT NAME: UMC SITE FACILITIES
SHEET C6
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.
[Signature] DATE: 4-9-99

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 A 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.

BENCHMARK
CL.V. VERTICAL CONTROL NO. 9, STATION 2LV01, 33SWS RIVET AND PLATE IN TOP OF CURB, NE RETURN CHARLESTON BOULEVARD AND TONAPAH DRIVE.
ELEVATION 2061.91 FEET = 628.4724 METERS (NAVD 88)

BASIS OF BEARING
NORTH 001°5'54" 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.

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	42.81
PAVEMENT SLOPE	2.00%	N/A
GRADE BREAK	-----	-----
WALL	-----	-----
LUMINAIRE	-----	-----
UTILITY LINE (AS NOTED)	G	G
WATER LINE	W	W
SEWER LINE	S	S
SEWER MANHOLE	⊗	⊗
FIRE HYDRANT	⊗	⊗
VALVE	⊗	⊗
WATER METER	⊗	⊗
PIV	⊗	⊗
FDC	⊗	⊗
RPPA	RPPA	RPPA
DCDA	DCDA	DCDA
INSTALL ASPHALT	-----	N/A
RED CURB	-----	N/A

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

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

SAFETY ALERT
Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE ALERT

INSTALLATION OF:
ONE (1) 2" REDUCED PRESSURE PRINCIPLE ASSEMBLY
ONE (1) 3" REDUCED PRESSURE PRINCIPLE ASSEMBLY
APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A OR 11B. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVWD. ANY BLOCK WALL OR FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), SO AS TO ALLOW THE DISTRICT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

ONE (1) 6" DOUBLE DETECTOR CHECK VALVE
THE DETECTOR CHECK(S) SHALL BE INSTALLED IN ACCORDANCE WITH THE AGENCY'S STANDARD PLATE NO. 208. ANY BLOCK WALL OR FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), SO AS TO ALLOW THE DISTRICT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

ARCH: HOLMES SABATINI ASSOCIATES
1 COMMERCE CENTER DRIVE
HENDERSON, NV 89014
(702) 438-1008

UTILITY PLAN

SHEET TITLE:

Drawn by: AUS
Designed by: TDA
Checked by: THL
Project No.: 48609BA001

2/22/99

Scale: 1" = 20' (H)
1" = 2' (V)

PROJECT:
UMC SITE FACILITIES
UNIVERSITY MEDICAL CENTER

REVISION
DATE BY
5/1/00 MS
5/1/00 MS
CHANGE EXIST. R. LOCATION
5/1/00 MS
ELIMINATE NEW A.H.

THE WLB GROUP
Engineering • Landscape Architecture
Planning • Urban Design • Surveying
2551 N. Green Valley Pkwy, Suite A425
HENDERSON, NV 89014 (702) 438-2551

6 OF 9 SHEETS
DRAWING NO.
107-V3071

