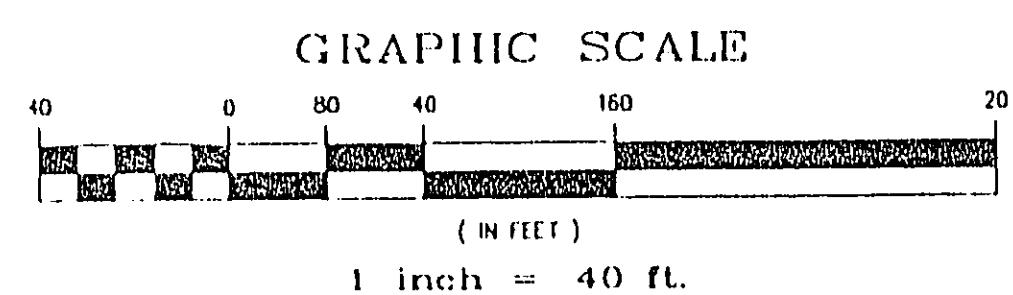


Call before you Dig  
1-800-227-2600



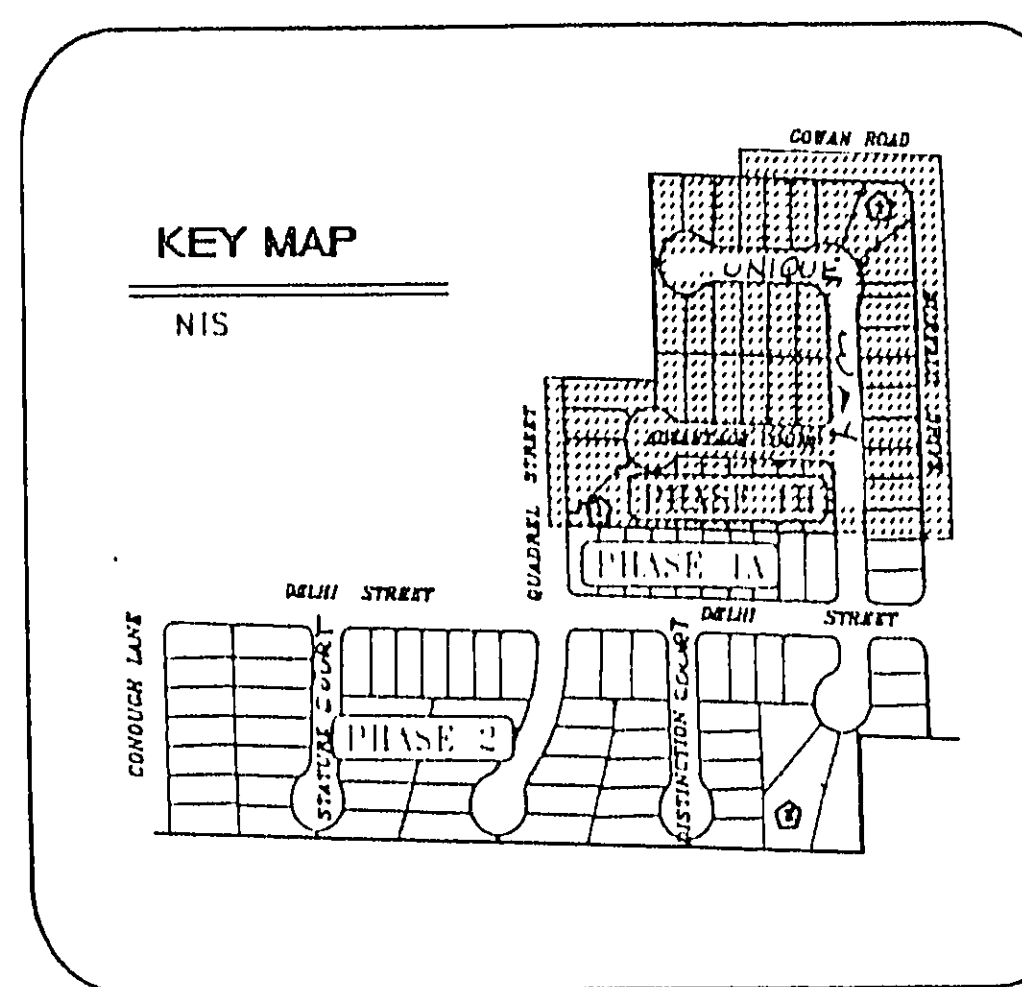
**FIRE FLOW INFORMATION - CLV FIRE DEPARTMENT**

THE FIRE FLOW REQUIREMENT IS 1500 GPM AT 20 PSI RESIDUAL PRESSURE. THIS REQUIREMENT IS BASED UPON SQUARE FOOTAGE FOR TYPE V NR CONSTRUCTION. THE FLOW INDICATED IS THE MINIMUM ALLOWED BY CLMFD FOR SINGLE FAMILY RESIDENTIAL CONSTRUCTION.

**APPROVAL FOR PHASE 1B**

*Arvid Rotman* 7/30/98  
CITY OF LAS VEGAS FIRE DEPARTMENT DATE

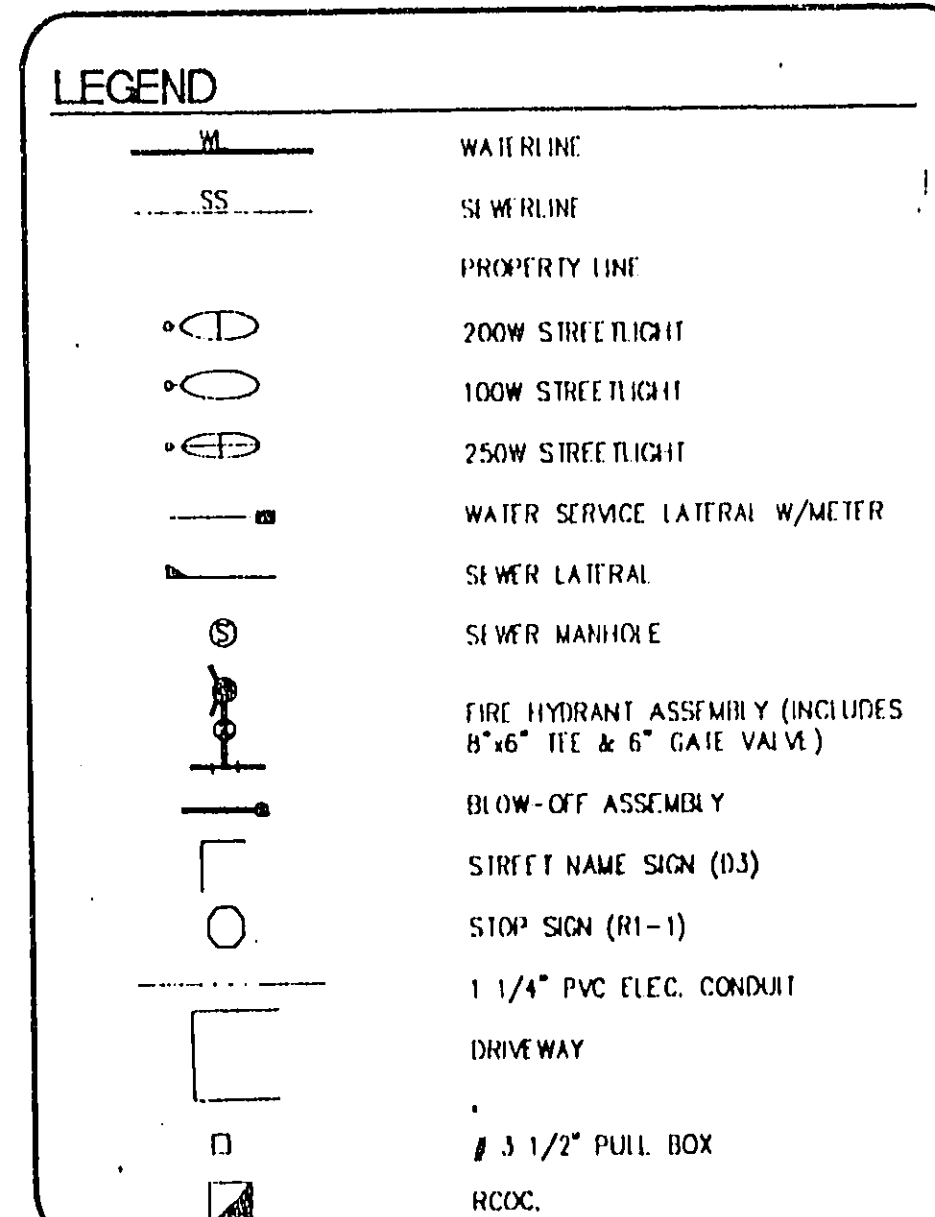
NOTE: EXISTING UTILITY VAULTS AND MANHOLES IN BUFFALO & GOWAN MUST BE ADJUSTED TO FINISHED GRADES IN ACCORDANCE WITH EACH RESPECTIVE UTILITIES REQUIREMENTS.



NOTE: SEE SHEET #8 FOR ALL UTILITY NOTES AND TYPICAL DETAIL

**ESTIMATED WATER QUANTITIES PHASE 1B**

8" WATERLINE	544 LF
6" WATERLINE	432 LF
6" GATE VALVE	1.04
1 1/2" ASSEMBLY (INCLUDES 8" x 6" BEE AND 6" GATE VALVE)	2
2" BLOW-OFF ASSEMBLY	40
5/8" WALL SERVICE (WITH 2" RCPM 1.0 VWD)	6
100W STREET LIGHT	3
250W STREET LIGHT	2
5' X 8' MANHOLE	1

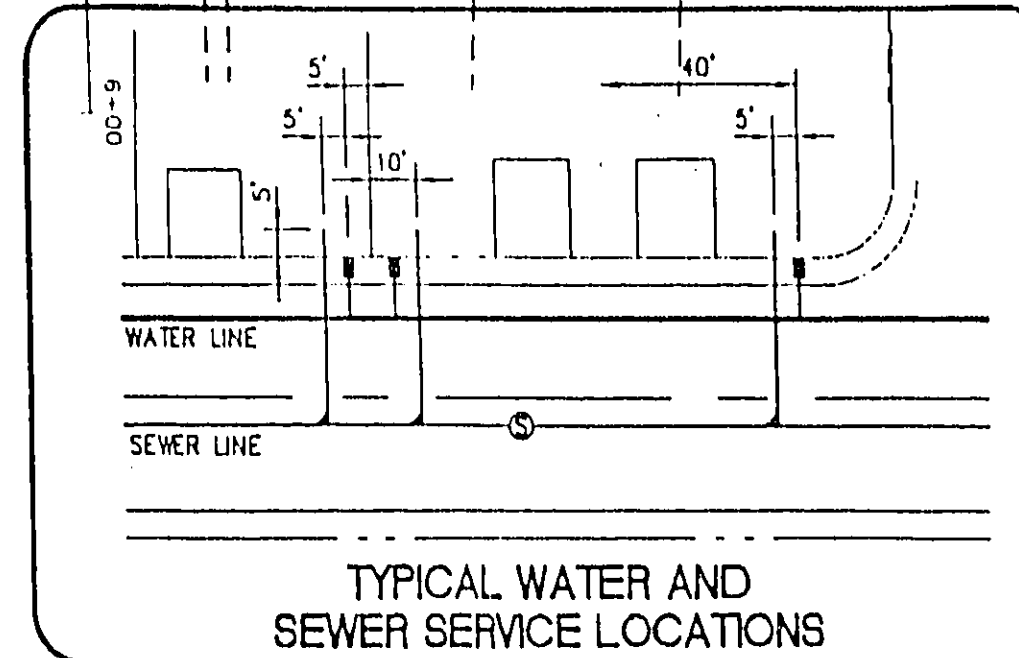
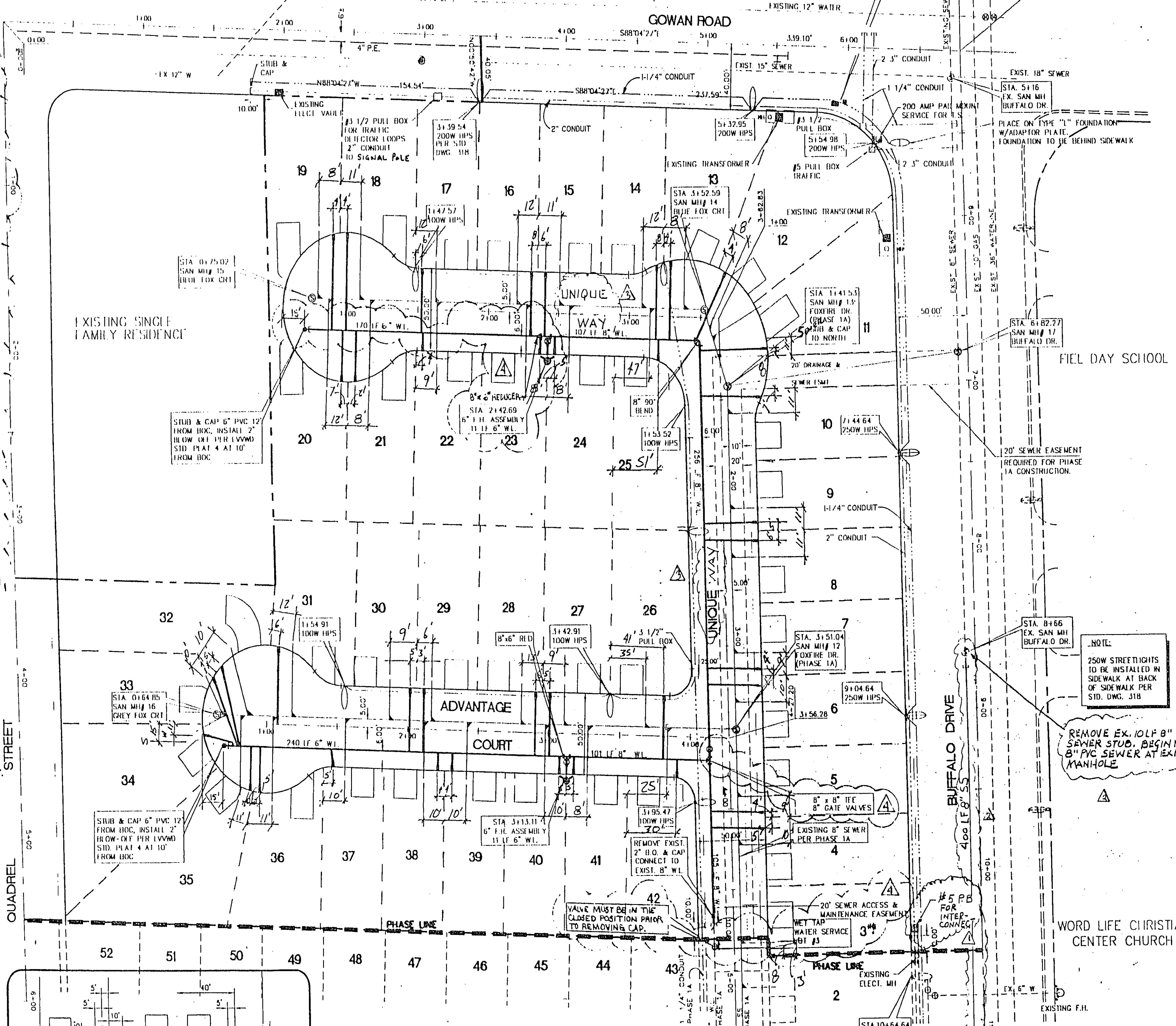
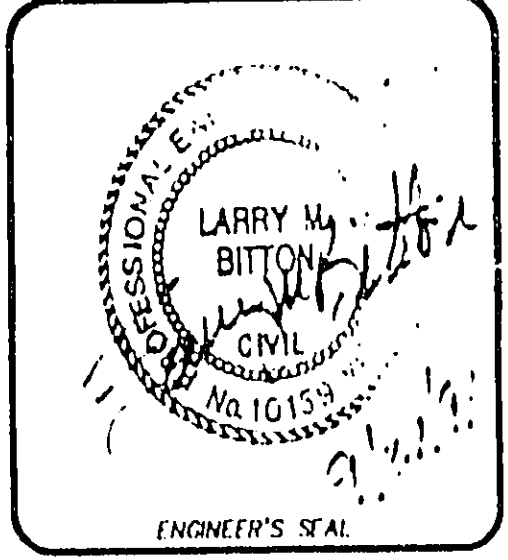


APPROVAL: PHASE 1B ONLY  
*[Signature]* 4/11/98  
L.V.W.D. DATE

NOTE: ALL UTILITIES SHOWN ON THIS PLAN ARE TO BE CONSTRUCTED WITH PHASE 1B UNLESS OTHERWISE NOTED

NOTE: SEWER SERVICE LATERALS INSTALLED PER PHASE 1A

NOTE: SERVICE LATERAL FOR LOT NO. 3 WILL BE TAPPED ON EXISTING MAIN BY OWNERS CONTRACTOR UNDER THE DIRECTION OF THE LAS VEGAS VALLEY WATER DISTRICT.



- LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES**
- NO WORK SHALL BE DONE ON THE WATER PHASE UNLESS THE WATER HAS BEEN RELEASED FOR CONSTRUCTION OF THE WORK. FOLLOWING APPROVAL OF THE PHASE, NOTICE SHALL BE GIVEN TO THE LIVING CUSTOMER SERVICE DEPARTMENT (702-734-4400) 48 HOURS PRIOR TO WORK CONSTRUCTION, AND 24 HOURS PRIOR TO INSPECTION.
  - CALL BEFORE YOU DIG 1-800-227-2600
  - ALL WORK SHALL CONFORM TO LATEST STANDARD PRACTICES, SPECIFICATIONS, AND REGULATIONS.
  - ALL WORK, EXCEPT AS NOTED HEREON OR BY NOTE 3, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR ADDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFICE IMPROVEMENTS, CLARK COUNTY AREA.
  5. APPROVED SERVICE SADDLES OR TAPPED COLLARS SHALL BE INSTALLED ON ALL 8" AND 6" SERVICE LATERALS. SERVICE SADDLES ONLY SHALL BE PERMITTED ON 12" AND 18" SERVICE LATERALS. DOUBLE TAPPED COLLARS ARE NOT PERMITTED.
  6. COVER SERVICE LATERALS. ALL 3/4" TO 2" SERVICE LATERALS SHALL BE TOP COVERED TUBING IN ACCORDANCE WITH THE DISTRICT'S SPECIFICATIONS AND STANDARD PRACTICES.
  7. THE MAXIMUM JOINT DEFLECTION FOR ACP AND DUCTILE IRON PIPE SHALL BE AS FOLLOWS:  

PIPE SIZE	ACP	DUCTILE IRON	MECHANICAL JOINT
8" AND 10"	1/2"	1/2"	1/2"
12"	3/4"	3/4"	3/4"
18"	1 1/4"	1 1/4"	1 1/4"
  - ON PVC PIPE, THE WASHING OFFSET LENGTH FOR A 20' LENGTH OF FACTORY BLENDED PIPE SHALL BE 18' INCHES FOR 8" PIPE, 12' INCHES FOR 6" PIPE, AND 9' INCHES FOR 4" AND 3" PIPE.
  - IF THESE OFFSETS CONFLICT WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
  - ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF CURBWAY AREAS.
  - ALL VALVES SHALL BE LOCATED OUTSIDE OF CURBWAYS AND VALVES OUTSIDE.
  - DETERMINER DATE SHALL BE REQUIRED IN ACCORDANCE WITH STANDARD PRACTICE No. 27 WHEN INDICATED, AND AS FOLLOWS:  

PIPE SIZE	DETERMINER DATE
8" AND 10"	18"
12"	24"
18"	36"
  - DO NOT INSTALL LATERALS NOT INSTALLED AT RIGHT ANGLES TO MAIN.
  - ALL WATER MAINS SHALL BE PRESSURE TESTED AT 2000 PSI FOR A CONTINUOUS TWO HOUR PERIOD, IN ACCORDANCE WITH DISTRICT STANDARDS.
  - ALL WATER MAINS SHALL BE DISINFECTED, FLUSHED, AND AN APPROPRIATE HEALTHY SAMPLE OBTAINED, PRIOR TO THE CONNECTION OF THE WATER MAINS AND/OR LATERALS TO THE DISTRICT'S SYSTEM.
  - CONTRACTOR TO OBTAIN ALL METERS 2" AND SMALLER FROM THE LIVING CUSTOMER SERVICE, TELEPHONE 702-734-4400 (48 HOURS PRIOR TO WORK).

As Built 2-28-96  
As Built Information Provided by Contractor  
*Ralph...*

TEXAS UNDO.

Job Number	7174-519	Scale	1" = 40'
Drawn by	as	Checked by	ub
Street Number	9 of 19	Date	SEPT. 20, 1993
File No.	519IMP	Plot Date	09/20/93
Project Name	FOXFIRE RANCH PHASE 1B UTILITY PLAN	Project No.	AS 1502-17-2196
Client	Church Engineering	Revision No.	REVISTONS
Address	6000 West Charleston Blvd. Las Vegas, NV 89120	Author	REVISTONS
Phone	702-734-7778	Checker	REVISTONS
Project	PHASE 1B UTILITY PLAN	Date	1/3/94
Sheet	9 of 19	Date	1/14/94
Appr.	REVISTONS	Date	1/14/94

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11-74 "As Built" 3074-4288