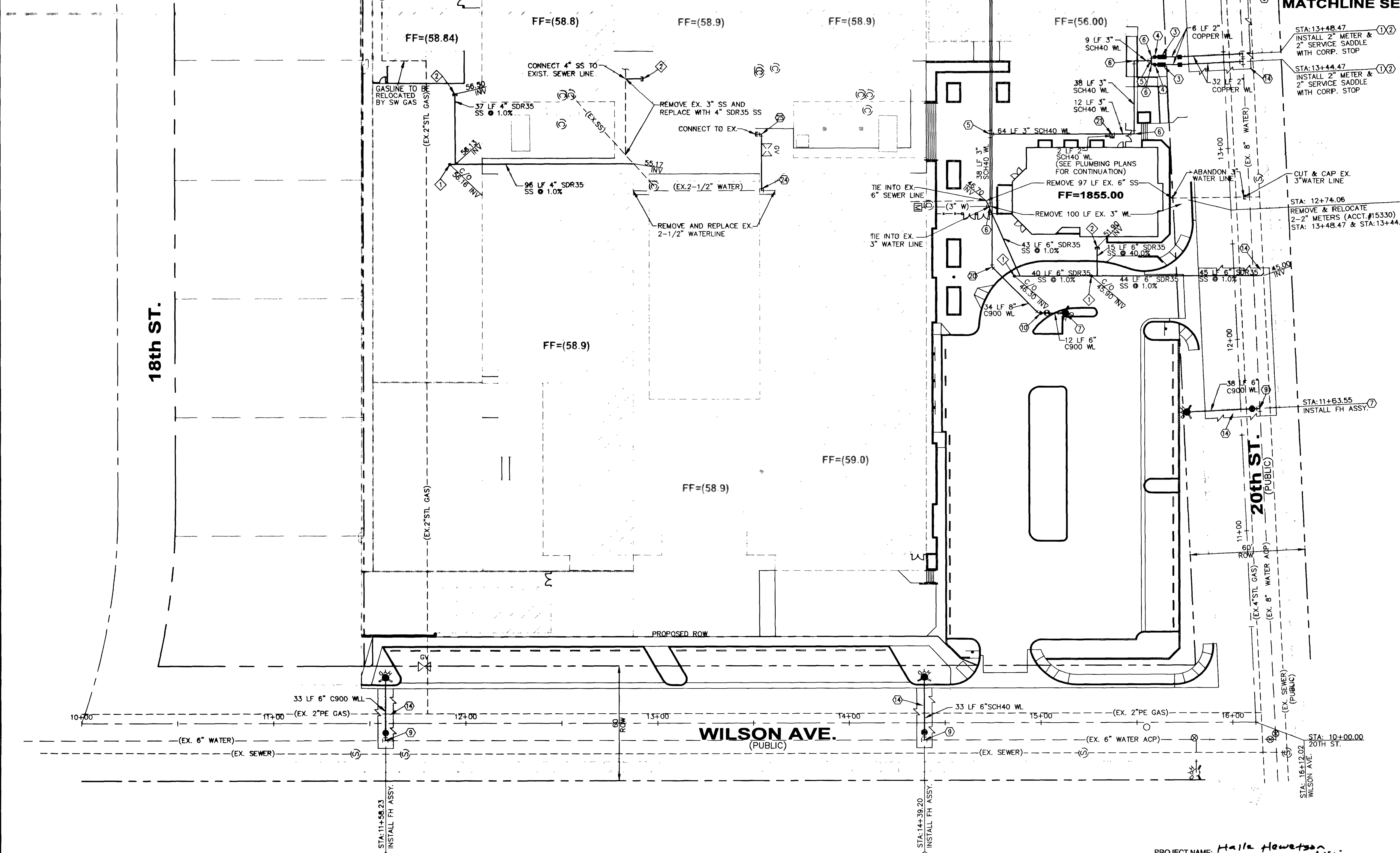


WATER CONSTRUCTION NOTES

1. INSTALL 2" SERVICE SADDLE WITH CORP. STOP PER UDACS PL #1-D
2. INSTALL 2" WATER METER PER UDACS PL #1-D (RELOCATED FROM STA: 12+74.06)
3. INSTALL 2" RPPA PER UDACS PL #11A
4. INSTALL 3" X 2" REDUCER PER UDACS PL #3
5. INSTALL 3" X 3" TEE PER UDACS PL #5
6. INSTALL 3" 90° BEND PER UDACS PL #5
7. INSTALL FIRE HYDRANT & APPURTENANCES PER UDACS PL #7
8. INSTALL 8" X 8" TEE WITH THRUST BLOCK PER UDACS PL #5
9. INSTALL 8" X 6" WET TAPPING SLEEVE WITH 6" TAPPING VALVE PER UDACS #22
10. INSTALL 8" X 6" REDUCER PER UDACS PL #3
11. INSTALL 6" X 6" TEE WITH THRUST BLOCKS PER UDACS PL #5
12. INSTALL 6" 90° BEND WITH THRUST BLOCKS PER UDACS PL #5
13. INSTALL FIRE DEPARTMENT CONNECTION (BUILDING MOUNTED)
14. TRENCH AND PATCH AC PAVEMENT PER UDACS PL #504.1
15. INSTALL 10" X 8" REDUCER PER UDACS PL #3
16. INSTALL 10" X 10" TEE WITH THRUST BLOCK PER UDACS PL #5
17. INSTALL 10" X 6" REDUCER PER UDACS PL #3
18. INSTALL 8" FEBCO "N" PATTERN DCOA PER UDACS PL #208
19. INSTALL 8" M.J. WET TAPPING SLEEVE WITH 8" TAPPING VALVE PER UDACS PL #22
20. INSTALL 8" 45° BEND WITH THRUST BLOCKS PER UDACS PL #5
21. INSTALL 3" X 2" TEE PER UDACS PL #5
22. INSTALL 8" 90° BEND WITH THRUST BLOCKS PER UDACS PL #5
23. INSTALL 2" 45° BEND WITH THRUST BLOCKS PER UDACS PL #5
24. INSTALL 2-1/2" X 2" TEE PER UDACS PL #5
25. INSTALL 2" 90° BEND PER UDACS PL #5

SEWER CONSTRUCTION NOTES

1. INSTALL SANITARY SEWER CLEANOUT PER DETAIL THIS SHEET
2. INSTALL REDUCER, (IF NECESSARY) SEE PLUMBING PLANS FOR BLDG. S.S. STUB SIZES & CONNECTION

**1. RELOCATION OF EXISTING SERVICE(S)
2" AND SMALLER (2)2" ACCT. #15330**

THE CONTRACTOR SHALL NOTIFY THE INSPECTION DIVISION AT THE LVVWD (702-258-3227) 48 HOURS PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE DISTRICT TO TAKE THE FINAL METER READING OF THE METER. AFTER THE FINAL READING, THE EXISTING METER(S) SHALL BE REMOVED AND RELOCATED TO THE LOCATION INDICATED ON THE UTILITY PLAN. THE CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES FOR THE AFFECTED SERVICE AS FOLLOWS:

EXISTING SERVICE LATERALS THAT ARE TO BE ABANDONED FROM THE EXISTING WATER MAIN, SHALL HAVE THE CORPORATION STOP TURNED OFF AT MAIN, A MINIMUM OF 12" OF THE LATERAL CUT OUT NEAR THE CORPORATION STOP AND A BRASS CAP INSTALLED ON THE CORPORATION STOP. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY THE LVVWD. IF THE CORPORATION STOP IS NOT WATER TIGHT, THE CONTRACTOR SHALL NOTIFY LVVWD COMMUNICATION SUPPORT CENTER (702-258-7171) FOR FURTHER DIRECTION.

THE CONTRACTOR SHALL REMOVE THE EXISTING SERVICE METER BOX AND APPURTENANCES. FILL AND GRADE ANY AND ALL RESULTING VOIDS AND REPLACE OR RESTORE TO ORIGINAL CONDITIONS OR BETTER, ALL LAND-SCAPING, IRRIGATION SYSTEMS, CONCRETE, SIDEWALKS, ASPHALT, OR ANY OTHER ITEMS DAMAGED OR REMOVED DURING THE REMOVAL OF THE EXISTING SERVICE METER BOX.

PIPE MATERIAL CONSTRUCTION LIST

UNLESS OTHERWISE NOTED ON THE PLANS, ALL PIPE MATERIALS USED SHALL BE AS FOLLOWS:

WATER SYSTEM
ALL PIPES GREATER THAN 4" IN DIAMETER SHALL BE CONSTRUCTED USING PVC C-900
ALL PIPES LESS THAN 4" IN DIAMETER SHALL BE CONSTRUCTED USING PVC SCH 40
UNLESS OTHERWISE NOTED ON THE UTILITY PLANS.

SEWER SYSTEM
ALL PIPES SHALL BE CONSTRUCTED USING SDR-35
STORM DRAIN SYSTEM
ALL PIPES SHALL BE CONSTRUCTED USING MATERIALS AS NOTED ON PLANS

**INSTALLATION OF DOUBLE CHECK
DETECTOR ASSEMBLY
INSTALLING (2)8" AND REMOVING (1)6"**

THE DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS STANDARD PLATE 208.

EASEMENT WITH FENCE OR BLOCK WALL

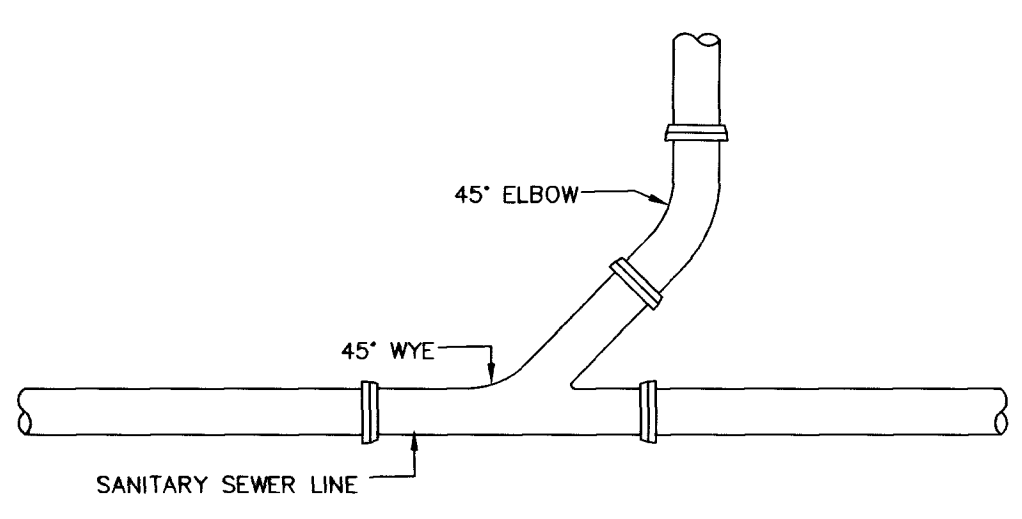
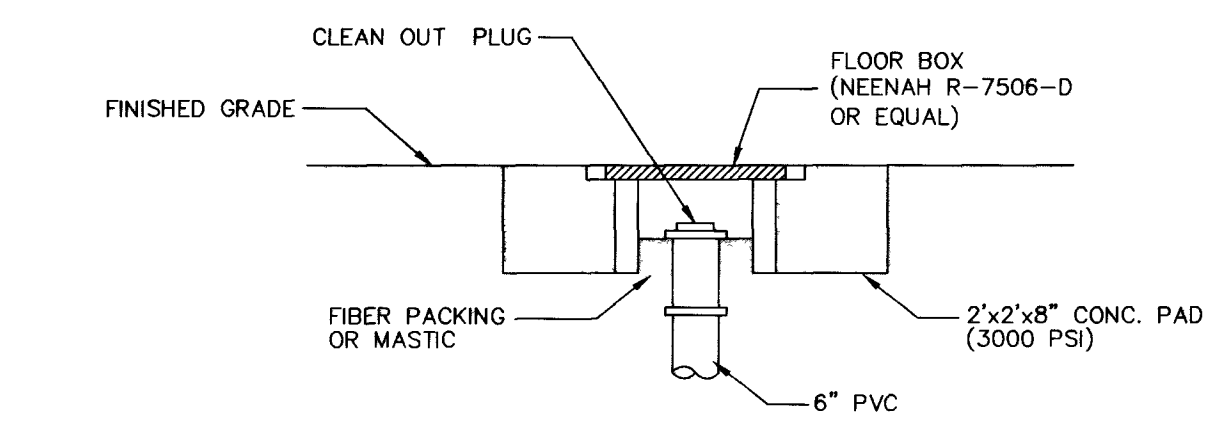
ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED & CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), SO AS TO ALLOW THE DISTRICT'S DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

**REDUCED PRESSURE PRINCIPLE
ASSEMBLY (3)-2"**

APPROVED REDUCED PRESSURE PRINCIPLE 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 LVVWD.

PRIVATE PRV 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.



SEWER CLEAN OUT
N.T.S.

**EXISTING BLDG
FIREFLOW DATA**

FIRE FLOW REQUIREMENT IS : 3250 gpm
AT 20 psi RESIDUAL PRESSURE.

BASED ON:

SQUARE FOOTAGE : 13,930 SQUARE FEET

LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS : 13,930 SQUARE FEET

BUILDING HEIGHT : FEET

NUMBER OF STORIES : 1 FLOORS

TYPE OF CONSTRUCTION : V-N

OCCUPANCY :

FULL AUTOMATIC FIRE SPRINKLER SYSTEM : YES

REVIEWED BY : [Signature]

DATE : 4/8/03

**PROPOSED BLDG
FIREFLOW DATA**

FIRE FLOW REQUIREMENT IS : 1500 gpm
AT 20 psi RESIDUAL PRESSURE.

BASED ON:

SQUARE FOOTAGE : 3,335 SQUARE FEET

LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS : 3,335 SQUARE FEET

BUILDING HEIGHT : FEET

NUMBER OF STORIES : 1 FLOORS

TYPE OF CONSTRUCTION : V-N

OCCUPANCY : R

FULL AUTOMATIC FIRE SPRINKLER SYSTEM : NO

REVIEWED BY : [Signature]

DATE : 4/8/03

BENCHMARK
CITY OF LAS VEGAS VERTICAL CONTROL POINT "2LV01 2656", BEING A RIVET AND PLATE IN TOP OF CURB AT THE NORTHEAST RETURN OF BRUCE STREET AND HARRIS AVENUE.
ELEVATION: 1875.66 (FEET)
571.701 (METERS)
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD'88).

BASIS OF BEARING
NORTH 02°43'08" WEST, BEING THE EAST LINE OF THE GREATER LAS VEGAS ADDITION NO. 2, AS SHOWN IN FILE 4 BOOK 87 OF PLATS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.
SAID LINE ALSO BEING THE CENTERLINE OF 20TH STREET.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU CRANE
1-702-227-2929

CLARK COUNTY SCHOOL DISTRICT Construction Management 4828 Pearl Street Las Vegas, NV 89121 phone: 702.799.7604		2480 E. Tompkins Ave. Suite # 232 Las Vegas, NV 89121 phone: 702.456.4664 fax: 702.456.4919	
SCALE: 1"=30'	DRAWN BY: CM	DESIGNED BY: WLW	CHECKED BY: JBD
SUBMITTAL DATE: 12/16/02		JOB NO: 10-131	
REVISION APPROVAL BLOCK			
DESCRIPTION			
DATE			
REV. #			
BY			
APP.			

**HALLE HEWETSON
ELEMENTARY SCHOOL ADDITION**

UTILITY PLAN 1

SHEET C6.01
10 OF 13 SHEETS
DRAWING NO. 715-77A

APPROVED FOR CONSTRUCTION
[Signature] 1/8/03
CITY OF LAS VEGAS FIRE DEPARTMENT DATE

APPROVED FOR CONSTRUCTION
[Signature] 1/23/03
LAS VEGAS VALLEY WATER DISTRICT DATE

PROFESSIONAL ENGINEER - STATE OF NEVADA
No. 14071
JAN 15 2004
1/6/03