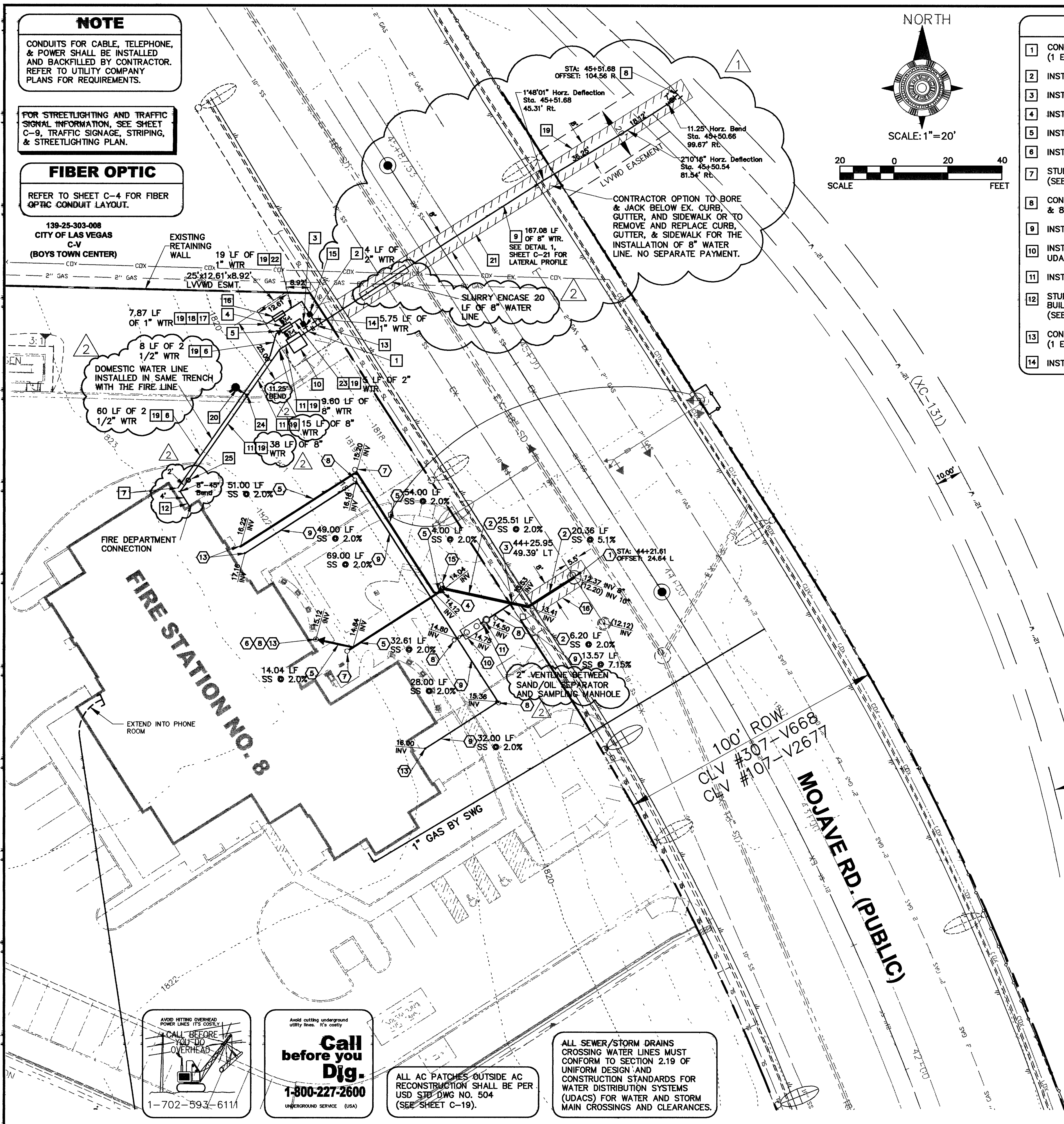




- ### WATER CONSTRUCTION NOTES
- CONNECT TO 8" WATER MAIN W/ 8" X 2" SERVICE SADDLE. (1 EA)
 - INSTALL 2" COPPER WATER LINE. (4 LF)
 - INSTALL 2" WATER METER PER UDACS PLATE NO. 1D. (1 EA)
 - INSTALL 2" RPPA PER UDACS PLATE NO. 11A. (1 EA)
 - INSTALL 2"X2 1/2" REDUCER. (1 EA)
 - INSTALL 2 1/2" PVC WATER LINE. (74.59 LF)
 - STUBOUT 2 1/2" LINE FOR DOMESTIC SERVICE 5' FROM BUILDING (SEE MECHANICAL DRAWINGS FOR DETAILS BY OTHERS).
 - CONNECT TO EXISTING 12" WATER MAIN W/ 12"X8" TAPPING TEE & 8" TAPPING VALVE.
 - INSTALL 8" DUCTILE IRON PIPE. (214.00 LF)
 - INSTALL 8" FBCC 876V DCCA (STANDARD ORIENTATION) PER UDACS PLATE NO. 11C. (1 EA) (SEE SHEET C-20)
 - INSTALL 8" PVC PIPE. (92.78 LF)
 - STUBOUT 8" LINE FOR FIRE SPRINKLER SYSTEM 5' FROM BUILDING AND PROVIDE CONNECTION FOR DUCTILE IRON PIPE (SEE MECHANICAL DRAWINGS BY OTHERS).
 - CONNECT TO 8" WATER MAIN W/ 8" X 1" SERVICE SADDLE. (1 EA)
 - INSTALL 1" COPPER WATER LINE. (5.75 LF)
 - INSTALL 1" WATER METER PER UDACS PLATE NO. 1D. (1 EA) (SEE SHEET C-19)
 - INSTALL 1" RPPA PER UDACS PLATE NO. 11A. (1 EA) (SEE SHEET C-20)
 - INSTALL 1" PVC WATER LINE. (8 LF)
 - INSTALL 1" CAP. (1 EA)
 - TRENCH SECTION PER UDACS PLATE NO. 6A AND USD NO. 502 (UNPAVED AREA). (SEE SHEET C-19)
 - INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 7. (SEE SHEET C-20)
 - TRENCH SECTION PER UDACS PLATE NO. 6C AND USD NO. 504 (PAVED AREA). (SEE SHEET C-19)
 - INSTALL 1" BRASS WATER LINE. (19 LF)
 - INSTALL 2" BRASS WATER LINE. (5 LF)
 - INSTALL 8" X 6" TEE.
 - INSTALL POST INDICATOR VALVE.
- ### GENERAL NOTES
- MAINTAIN MIN. 18" VERTICAL SEPARATION OVER SEWER CROSSINGS.
 - INSTALL THRUST BLOCKS FOR ALL CAPS, VALVES, REDUCERS, TEES, AND FITTINGS USED TO CHANGE PIPE DIRECTION PER UDACS PLATE NO. 5 (NO SEPARATE PAYMENT)
 - TRENCH BACKFILL PER STD. PLATE 6A & 6B. UDACS AC AND TYPE II WITHIN UPPER 24" MUST MATCH EXISTING SECTION.
 - NO SEPARATE PAYMENT FOR TEES, BENDS, REDUCERS, OR THRUST BLOCKS.

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL #2LV01 2554 RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHEAST CORNER OF BOHANZA ROAD AND MOJAVE ROAD. ELEVATION 1812.97 FEET NAVD88 552.594 METERS NAVD88

BASIS OF BEARING

THE NORTH LINE OF THE SOUTHEAST QUARTER (SE1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 25, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CLARK COUNTY, NEVADA, BEARS SOUTH 88°52'45" EAST AS SHOWN ON THE RECORD OF SURVEY, RECORDED IN THE FILE 82, PAGE 99 OF SURVEYS, CLARK COUNTY RECORDS.

SEWER FLOWS

AVERAGE DAILY FLOW:	0.008775 MGD (8775 GPD)
PEAKING FACTOR:	4.12
PEAK FLOWS:	0.036136 MGD (36136 GPD)

DIMENSIONS NOTES

ALL DIMENSIONS ARE TO THE BACK OF CURB UNLESS NOTED OTHERWISE.

(1)-1" & (1)-2" REDUCED PRESSURE PRINCIPLE ASSEMBLY

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.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED 2' AROUND THE OUTSIDE OF THE RPPA PAD TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

UTILITY NOTE

PROPOSED ELECTRIC, CABLE TV, GAS & TELEPHONE LINES ARE SHOWN FOR APPROXIMATE ROUTE LOCATION. UTILITY COMPANIES TO PREPARE CONSTRUCTION PLANS.

SEE UTILITY COMPANIES CONSTRUCTION PLANS FOR FINAL UTILITY LOCATION.

INSTALLATION OF (1)-8" DOUBLE CHECK DETECTOR ASSEMBLY

THE DOUBLE CHECK DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE 11C.

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.

- ### SEWER CONSTRUCTION NOTES
- CONSTRUCT 48" TYPE I-A SEWER MANHOLE PER USD NO. 401 AND 404 (SEE SHEET C-20).
 - INSTALL 8" SDR 35 PVC SEWER LINE PER DWG. NO. SD-168 OF THE DCSWCS (SEE SHEET C-21).
 - INSTALL 8"X4" 45" WYE TO 8" SEWER LINE.
 - INSTALL 8"X6" ECCENTRIC REDUCER.
 - INSTALL 8" SDR 35 PVC SEWER LINE (PRIVATE) PER DWG. NO. SD-16A OF THE DCSWCS (SEE SHEET C-20).
 - INSTALL 6"X4" ECCENTRIC REDUCER.
 - INSTALL 6" SEWER CLEANOUT. CLEANOUT COVER PER DETAIL 6, SHEET C-11.
 - INSTALL 4" SEWER CLEANOUT. CLEANOUT COVER PER DETAIL 6, SHEET C-11.
 - INSTALL 4" SDR 35 PVC SEWER LINE (PRIVATE) PER DWG. NO. SD-16A OF THE DCSWCS (SEE SHEET C-20).
 - SAND-OIL SEPARATOR (SEE MECHANICAL DRAWINGS FOR DETAILS).
 - SAMPLING MANHOLE (SEE MECHANICAL DRAWINGS FOR DETAILS).
 - INSTALL 6"X6" 45" WYE TO 6" LINE.
 - SEE MECHANICAL DRAWINGS FOR CONTINUATION.
 - INSTALL 6" SEWER LATERAL CONNECTION & PLUG PER DWG. NO. SD-17 OF THE DCSWCS (PRIVATE) (SEE SHEET C-21).
 - INSTALL 8" SEWER CLEANOUT. CLEANOUT COVER PER DETAIL 6, SHEET C-11.
 - TRENCH SECTION PER DWG. NO. SD-16B (SEE SHEET C-21) OF THE DCSWCS AND USD NO. 504 (PAVED AREA) (SEE SHEET C-19).

UTILITY NOTES & RESPONSIBILITIES

AZTEC ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF LOCATIONS AND ELEVATIONS OF UTILITIES INDICATED ON THIS MAP, INCLUDING UNDERGROUND LINES, ABOVE GROUND STRUCTURES, AND EXISTING UTILITIES NOT INDICATED OR NOT OF RECORD. LOCATIONS OF UTILITIES HAS BEEN DETERMINED BY SURFACE INDICATIONS AND THE BEST INFORMATION AVAILABLE FROM UTILITY COMPANIES.

THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL UTILITY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING EXCAVATION OR CONSTRUCTION OF ANY KIND. IF DISCREPANCIES IN UTILITY LOCATIONS ARE DISCOVERED DURING FIELD VERIFICATION, THE CONTRACTOR MUST IMMEDIATELY NOTIFY AZTEC.

THE CONTRACTOR IS RESPONSIBLE FOR TAKING ALL APPROPRIATE PRECAUTIONARY MEASURES TO PROTECT EXISTING UTILITY LINES AND STRUCTURES BEFORE BEGINNING EXCAVATION.

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 1500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL.

BASED ON:

SQUARE FOOTAGE.....	10,738 SF
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS.....	N/A
BUILDING HEIGHT.....	30'-10"
NUMBER OF STORIES.....	1 FLOOR
TYPE OF CONSTRUCTION.....	V, N
OCCUPANCY.....	B
FULL AUTOMATIC FIRE SPRINKLER SYSTEM.....	YES

REVIEWED BY: _____ DATE: _____
LAS VEGAS FIRE DEPT.

APPROVALS

LAS VEGAS VALLEY WATER DISTRICT	DATE
PROJ. 29289	

REVISION WATER AND SEWER
REUSE WATER DESCRIPTION
BY DATE AGN APP. DATE

PROJ NO: A203157
DESIGN: LG/RAS
DATE: 3/10/06
SCALE: AS SHOWN
CADFILE: FS08_06

STAMP DATE:
3320 N. Buffalo Drive
Suite 106
Las Vegas, NV 89126-7410
Tel: 702-396-3426
Fax: 702-396-3788
Web: aztec.us

AZTEC

CITY OF LAS VEGAS
FIRE STATION NO. 8
MASTER UTILITY PLAN

SHEET
C-6
6 OF 24 SHEETS
CLV PRJ. #
009

RECORD DRAWINGS