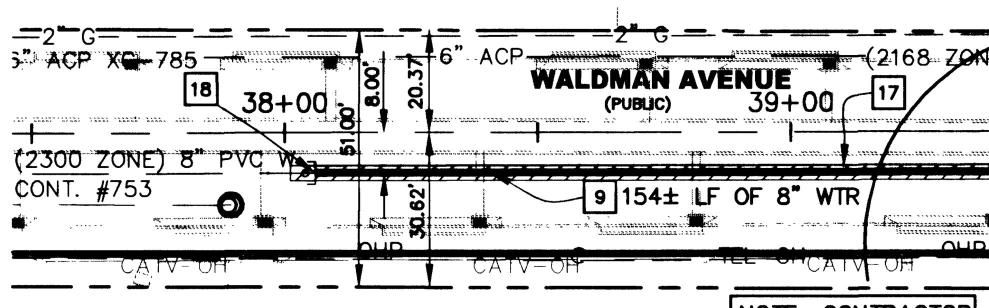
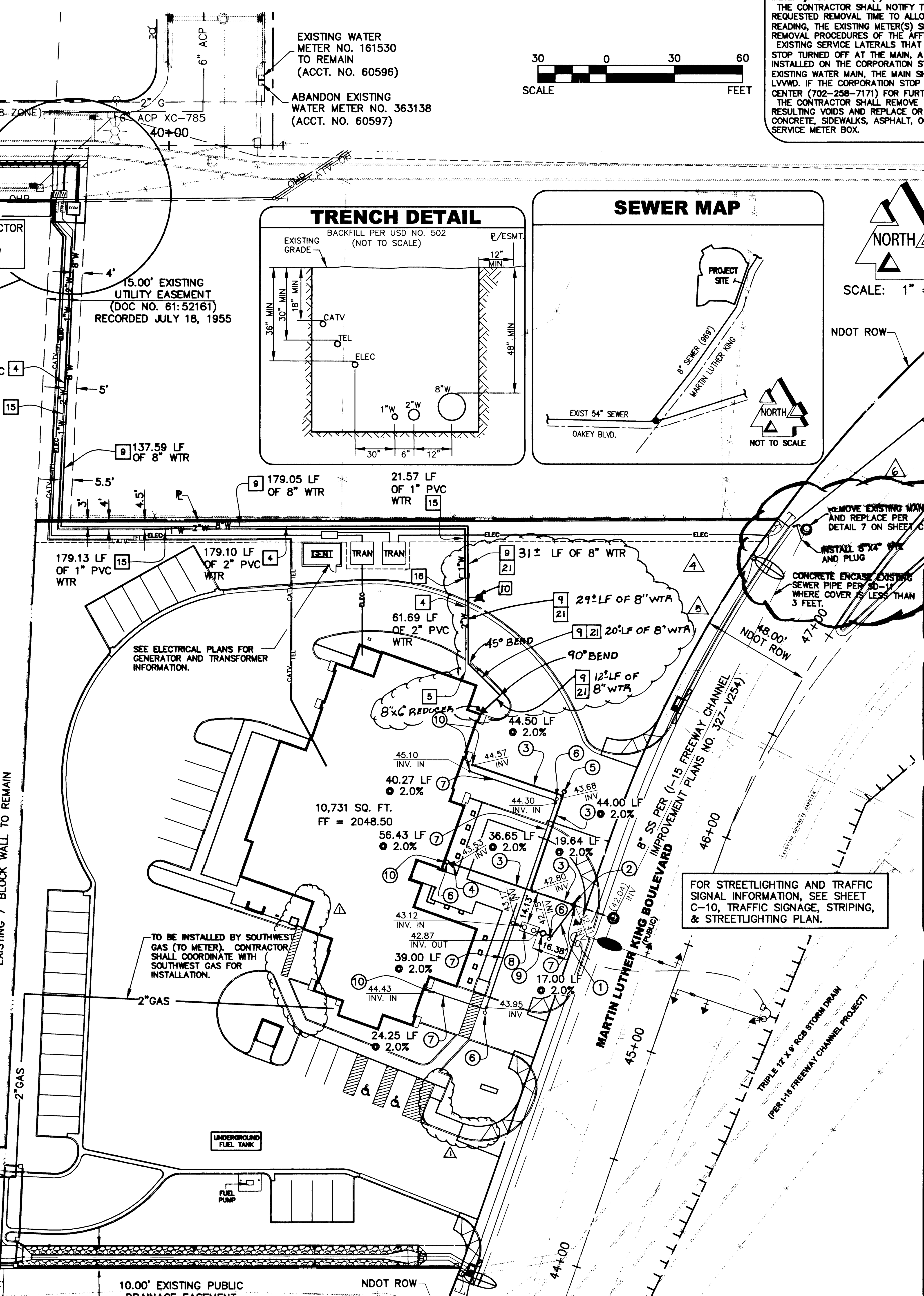
NOTE

CONDUITS FOR CABLE, TELEPHONE, & POWER SHALL BE INSTALLED AND BACKFILLED BY CONTRACTOR. REFER TO UTILITY COMPANY PLANS FOR REQUIREMENTS.





SEWER FLOWS

AVERAGE DAILY FLOW	0.008775 MGD (8775 GPD)
PEAK FLOWS	0.036136 MGD (36136 GPD)

SEWER CONSTRUCTION NOTES

1. REMOVE CAP AND CONNECT 8"X4" 45° WYE TO EXISTING 8" SEWER LINE.
2. INSTALL 8"X6" ECCENTRIC REDUCER.
3. INSTALL 6" SDR 35 PVC SEWER LINE (PRIVATE).
4. INSTALL 6"X4" ECCENTRIC REDUCER.
5. INSTALL 6" SEWER CLEANOUT.
6. INSTALL 4" SEWER CLEANOUT.
7. INSTALL 4" SDR 35 PVC SEWER LINE (PRIVATE).
8. SAND-OIL SEPARATOR (SEE MECHANICAL DRAWINGS FOR DETAILS).
9. SAMPLING MANHOLE (SEE MECHANICAL DRAWINGS FOR DETAILS).
10. SEE MECHANICAL DRAWINGS FOR CONTINUATION.

SEWER CONNECTION NOTE

ONE OR MORE SEGMENTS OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED AND/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO THE COMPLETION AND/OR ACCEPTANCE OF THE DOWNSTREAM SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT INTO THE DOWNSTREAM SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE OR UNTIL SUCH TIME AS THEY ARE DEEMED AVAILABLE FOR SERVICE.

UTILITY NOTES & RESPONSIBILITIES

ACEP 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 ACEP.

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

PRESSURE REDUCING VALVE

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.

30381 RS 34031 36412 39007

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ABANDONMENT OF EXISTING SERVICE(S) - 2" AND SMALLER

METER #: 363138 (1) 1"
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 DELIVERED TO THE DISTRICT. THE CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES OF THE AFFECTED SERVICES AS FOLLOWS:
EXISTING SERVICE LATERALS THAT ARE TO BE ABANDONED FROM THE EXISTING WATER MAIN, SHALL HAVE THE CORPORATION STOP TURNED OFF AT THE MAIN, A MINIMUM OF 12" OF 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 LANDSCAPING, IRRIGATION SYSTEMS, CONCRETE, SIDEWALKS, ASPHALT, OR ANY OTHER ITEMS DAMAGED OR REMOVED DURING THE REMOVAL OF THE EXISTING SERVICE METER BOX.

30 0 30 60
SCALE FEET

BENCHMARK

CLV-2LV11/04W6, RIVET & PLATE IN TOP OF CURB, SOUTHEAST RETURN AT OAKEY BOULEVARD AND BIRCH STREET.

ELEV. 2058.60 FEET (627.4613 METERS, NAVD 1988)

BASIS OF BEARING

S 02°42'16" W BEING THE WEST LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 4, T. 21 S., R. 61 E., M.D.M., AS SHOWN ON RECORD OF SURVEY FILE 77 PAGE 35.

DIMENSIONS NOTES

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

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.

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 DO OVERHEAD
1-702-593-6111

NOTE

FOR OFF-SITE RCB STORM DRAIN AND SANITARY SEWER SEE CITY OF LAS VEGAS I-15 FREEWAY CHANNEL IMPROVEMENT PLANS NO. 327-V254

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 8" DOUBLE CHECK DETECTOR ASSEMBLY

THE DOUBLE CHECK DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE 20B.

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.

FIRE FLOW CALCULATIONS

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

BASED ON:
- SQUARE FOOTAGE..............10,731 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: [signature] DATE: [signature]
LAS VEGAS FIRE DEPT.

APPROVALS

[signature] 3/07/01
LAS VEGAS VALLEY WATER DISTRICT DATE

WATER CONSTRUCTION NOTES

1. CONNECT TO 8" WATER MAIN W/ 8" X 2" SERVICE SADDLE. (1 EA)
2. INSTALL 2" SERVICE METER PER UDACS PLATE NO. 1D. (1 EA)
3. INSTALL 2" RPPA PER UDACS PLATE NO. 11A. (1 EA)
4. INSTALL 2" PVC WATER LINE. (384 LF)
5. STUBOUT 2" LINE FOR DOMESTIC SERVICE 5' FROM BUILDING (SEE MECHANICAL DRAWINGS FOR DETAILS BY OTHERS).
6. CONNECT TO 8" WATER MAIN WITH 8" 90° ELBOW. (1 EA)
7. INSTALL 8" FEBCO 876V DCDA (STANDARD ORIENTATION) PER UDACS PLATE NO. 20B. (1 EA)
8. STUBOUT 8" LINE FOR FIRE SPRINKLER SYSTEM 5' FROM BUILDING AND PROVIDE CONNECTION FOR DUCTILE IRON PIPE (SEE MECHANICAL DRAWINGS BY OTHERS).
9. INSTALL 8" PVC PIPE. (550 LF)
10. INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 7.
11. INSTALL CHAINLINK FENCE AT EASEMENT LINE.
12. CONNECT TO 8" WATER MAIN W/ 8" X 1" SERVICE SADDLE. (1 EA)
13. INSTALL 1" SERVICE METER PER UDACS PLATE NO. 1D. (1 EA)
14. INSTALL 1" RPPA PER UDACS PLATE NO. 11A. (1 EA)
15. INSTALL 1" PVC WATER LINE. (346 LF)
16. INSTALL 1" CAP. (1 EA)
17. TRENCH SECTION PER UDACS PLATE NO. 6B.
18. REMOVE END CAP AND CONNECT TO EXISTING 8" WATERLINE.
19. INSTALL 2" COPPER WATER LINE. (12 LF)
20. INSTALL 1" COPPER WATER LINE. (12 LF)
21. TRENCH SECTION PER UDACS PLATE NO. 6A.

GENERAL NOTES

1. MAINTAIN MIN. 18" VERTICAL SEPARATION OVER SEWER CROSSINGS.
2. INSTALL THRUST BLOCKS FOR ALL CAPS, VALVES, REDUCERS, TEES, AND FITTINGS USED TO CHANGE PIPE DIRECTION PER UDACS PLATE NO. 5 (NO SEPARATE PAYMENT)
3. TRENCH BACKFILL PER STD. PLATE 6A & 6B. UDACS AC AND TYPE II WITHIN UPPER 24" MUST MATCH EXISTING SECTION.
4. NO SEPARATE PAYMENT FOR TEES, BENDS, REDUCERS, OR THRUST BLOCKS.

REV	DESCRIPTION	BY	DATE	AGEN. APP.	DATE
6	EXIST. SEWER MANHOLE REVISION	LC	3-11-02	KB	3/12/02
5	ON-SITE WATER LINE REVISION	KB	11-20-01		11/27/01
4	ON-SITE WATER LINE REVISION	KB/LG	8-13-01		8/17/01
1	REVISIONS PER BUILDING DEPARTMENT	ES	1-26-01		

PROJ NO: 99201F
DESIGN: RAC/LG
DATE: 11/15/00
SCALE: AS SHOWN
FILE: FS10_06

PROFESSIONAL ENGINEER - STATE OF NEVADA
ALLEN B. PAVELKA
No. 9029
STAMP DATE: 01-10-01

AZTEC • ACEP ENGINEERING
3320 N Buffalo Dr. # 106, Las Vegas, NV 89129
Tel (702) 396-3426 Fax(702) 396-3758
Email: aztec@azteceng.com

CITY OF LAS VEGAS
FIRE STATION NO. 10
MASTER UTILITY PLAN

SHEET **C-6**
6 OF 24 SHEETS

CLV DRAWING NO.
630-95