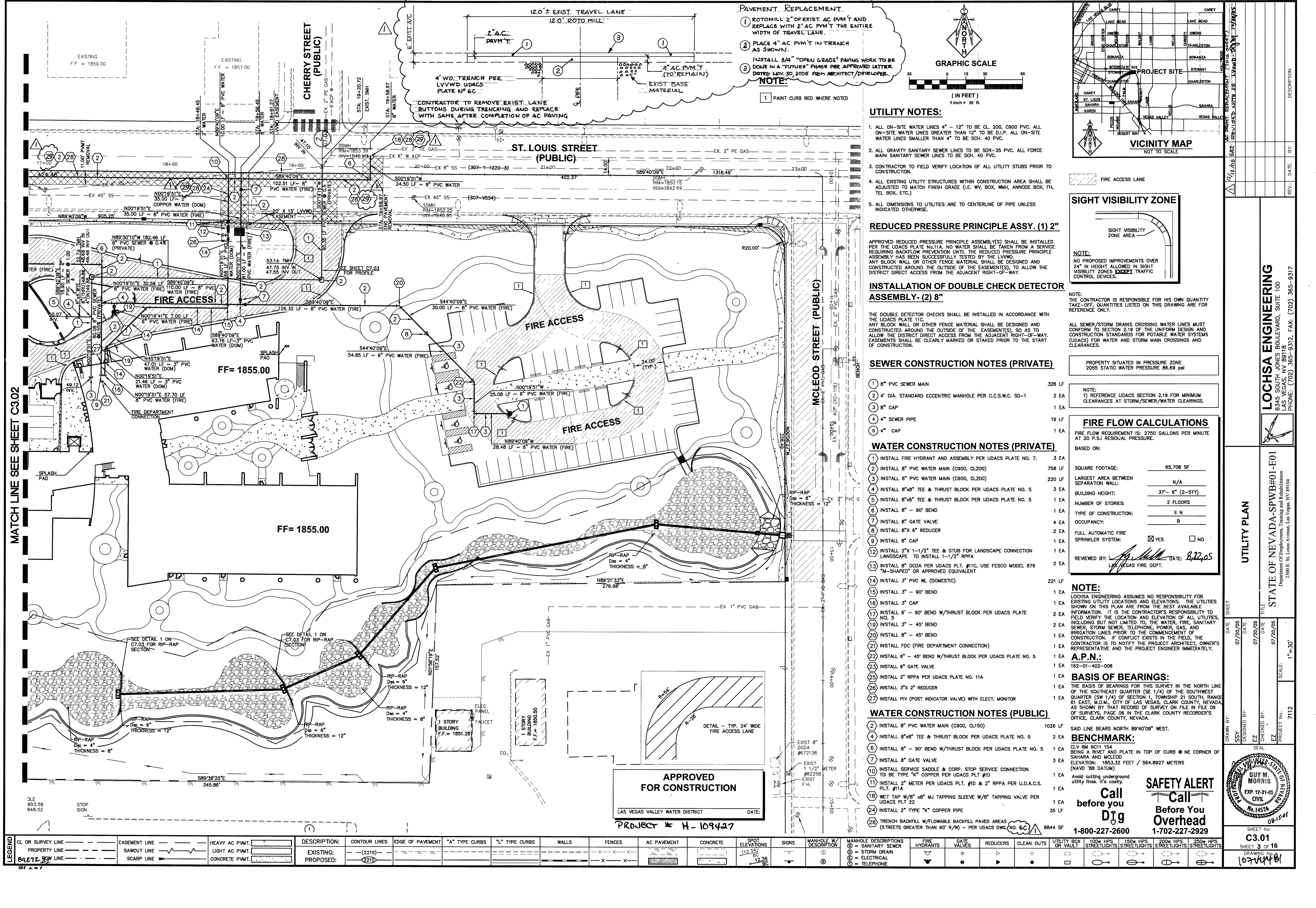
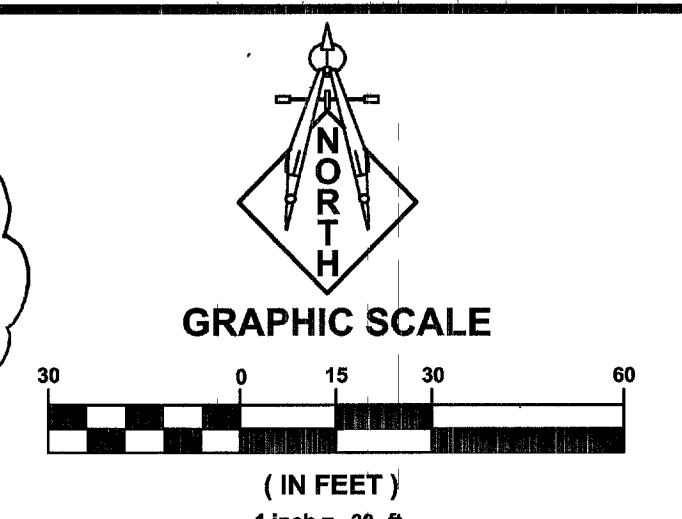




PAVEMENT REPLACEMENT
1 ROTOMILL 2" OF EXIST. AC PVM'T AND REPLACE WITH 2" AC PVM'T THE ENTIRE WIDTH OF TRAVEL LANE.
2 PLACE 4" AC PVM'T IN TRENCH AS SHOWN.
3 INSTALL 3/4" "OPEN GRADE" PAVING WORK TO BE DONE IN A "FUTURE" PHASE PER APPROVED LETTER DATED NOV. 30, 2005 FROM ARCHITECT/DEVELOPER.
NOTE:
1 PAINT CURB RED WHERE NOTED



UTILITY NOTES:

- 1. ALL ON-SITE WATER LINES 4" - 12" TO BE CL. 200, C900 PVC. ALL ON-SITE WATER LINES GREATER THAN 12" TO BE D.I.P. ALL ON-SITE WATER LINES SMALLER THAN 4" TO BE SCH. 40 PVC.
- 2. ALL GRAVITY SANITARY SEWER LINES TO BE SDR-35 PVC. ALL FORCE MAIN SANITARY SEWER LINES TO BE SCH. 40 PVC.
- 3. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITY STUBS PRIOR TO CONSTRUCTION.
- 4. ALL EXISTING UTILITY STRUCTURES WITHIN CONSTRUCTION AREA SHALL BE ADJUSTED TO MATCH FINISH GRADE (I.E. WY. BOX, WMH, ANNODE BOX, FH, TEL BOX, ETC.)
- 5. ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.

REDUCED PRESSURE PRINCIPLE ASSY. (1) 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 LVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY- (2) 8"

THE DOUBLE DETECTOR CHECKS SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 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. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

SEWER CONSTRUCTION NOTES (PRIVATE)

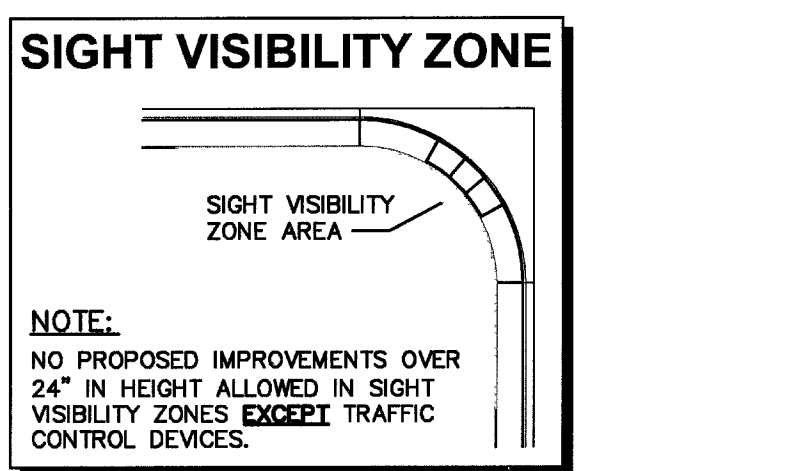
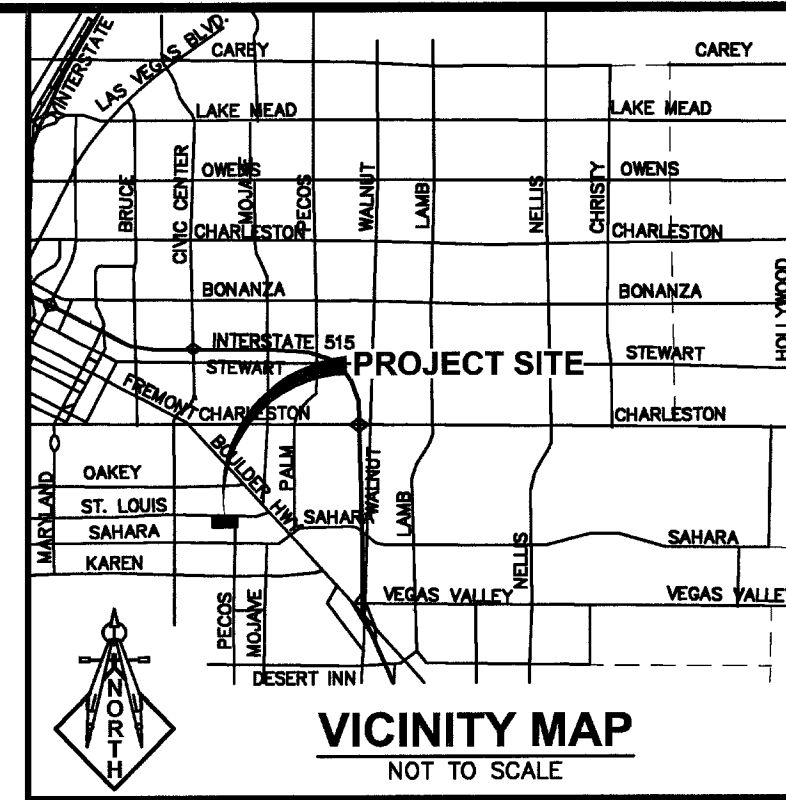
- 1 8" PVC SEWER MAIN 326 LF
- 2 4" DIA. STANDARD ECCENTRIC MANHOLE PER C.C.S.W.C. SD-1 2 EA
- 3 8" CAP 1 EA
- 4 4" SEWER PIPE 19 LF
- 5 4" CAP 1 EA

WATER CONSTRUCTION NOTES (PRIVATE)

- 1 INSTALL FIRE HYDRANT AND ASSEMBLY PER UDACS PLATE NO. 7. 3 EA
- 2 INSTALL 8" PVC WATER MAIN (C900, CL200) 758 LF
- 3 INSTALL 6" PVC WATER MAIN (C900, CL200) 220 LF
- 4 INSTALL 8"x8" TEE & THRUST BLOCK PER UDACS PLATE NO. 5 3 EA
- 5 INSTALL 8"x6" TEE & THRUST BLOCK PER UDACS PLATE NO. 5 1 EA
- 6 INSTALL 8" - 90° BEND 1 EA
- 7 INSTALL 8" GATE VALVE 4 EA
- 8 INSTALL 8"x 6" REDUCER 2 EA
- 9 INSTALL 8" CAP 1 EA
- 10 INSTALL 2"x 1-1/2" TEE & STUB FOR LANDSCAPE CONNECTION LANDSCAPE TO INSTALL 1-1/2" RPPA 1 EA
- 11 INSTALL 8" DCDCA PER UDACS PLT. #11C, USE FESCO MODEL 876 "N-SHAPED" OR APPROVED EQUIVALENT 2 EA
- 12 INSTALL 3" PVC WL. (DOMESTIC) 221 LF
- 13 INSTALL 3" - 90° BEND 1 EA
- 14 INSTALL 3" CAP 1 EA
- 15 INSTALL 6" - 90° BEND W/THRUST BLOCK PER UDACS PLATE 1 2 EA
- 16 INSTALL 3" - 45° BEND 1 EA
- 17 INSTALL 3" - 45° BEND 1 EA
- 18 INSTALL 6" - 45° BEND W/THRUST BLOCK PER UDACS PLATE NO. 5 1 EA
- 19 INSTALL 6" GATE VALVE 1 EA
- 20 INSTALL 3"x 2" REDUCER 1 EA
- 21 INSTALL PIV (POST INDICATOR VALVE) WITH ELECT. MONITOR 1 EA

WATER CONSTRUCTION NOTES (PUBLIC)

- 2 INSTALL 8" PVC WATER MAIN (C900, CL150) 1026 LF
- 4 INSTALL 8"x8" TEE & THRUST BLOCK PER UDACS PLATE NO. 5 2 EA
- 5 INSTALL 8" - 90° BEND W/THRUST BLOCK PER UDACS PLATE NO. 5 1 EA
- 6 INSTALL 8" GATE VALVE 1 EA
- 7 INSTALL 3"x 2" REDUCER 1 EA
- 8 INSTALL SERVICE SADDLE & CORP. STOP SERVICE CONNECTION TO BE TYPE "K" COPPER PER UDACS PLT #10 1 EA
- 9 INSTALL 2" METER PER UDACS PLT. #10 & 2" RPPA PER U.D.A.C.S. PLT. #11A 1 EA
- 10 MET TAP W/8" x8" MJ TAPPING SLEEVE W/8" TAPPING VALVE PER UDACS PLT 22 1 EA
- 11 INSTALL 2" TYPE "K" COPPER PIPE 35 LF
- 12 TRENCH BACKFILL W/FLOWABLE BACKFILL PAVED AREAS (STREETS GREATER THAN 60' R/W) - PER UDACS DWG. NO. 6C 8844 SF



NOTE:
NO PROPOSED IMPROVEMENTS OVER 24" IN HEIGHT ALLOWED IN SIGHT VISIBILITY ZONES EXCEPT TRAFFIC CONTROL DEVICES.

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

PROPERTY SITUATED IN PRESSURE ZONE
2055 STATIC WATER PRESSURE 86.69 psi

NOTE:
1) REFERENCE UDACS SECTION 2.19 FOR MINIMUM CLEARANCES AT STORM/SEWER/WATER CLEARINGS.

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS: 2750 GALLONS PER MINUTE AT 20 P.S.I. RESIDUAL PRESSURE.

BASED ON:

SQUARE FOOTAGE:	65,706 SF
LARGEST AREA BETWEEN SEPARATION WALL:	N/A
BUILDING HEIGHT:	37' - 6" (2-STY)
NUMBER OF STORIES:	2 FLOORS
TYPE OF CONSTRUCTION:	II N
OCCUPANCY:	B
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	☒ YES ☐ NO

REVIEWED BY: *[Signature]* DATE: 8/22/05
LAS VEGAS FIRE DEPT.

NOTE:
LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

A.P.N.:
162-01-402-006

SAFETY ALERT
Call before you Dig
1-800-227-2600

BENCHMARK:
CLV BM 6011 154
BEING A RIVET AND PLATE IN TOP OF CURB @ NE CORNER OF SAHARA AND MCLEOD
ELEVATION: 1853.32 FEET / 564.8927 METERS (NAVD '88 DATUM)

Call before you Dig
1-800-227-2600

LOCHSA ENGINEERING
6345 SOUTH JONES BOULEVARD, SUITE 100
LAS VEGAS, NV 89118
PHONE: (702) 365-9312, FAX: (702) 365-9317

UTILITY PLAN

DATE: 07/20/05
DESIGNED BY: SSS
CHECKED BY: EZ
PROJECT NO.: 7112
SCALE: 1"=30'

STATE OF NEVADA-SPWB#01-E01
Department of Employment, Training and Rehabilitation
2300 E. St. Louis Avenue, Las Vegas, NV 89104

LEGEND

CL OR SURVEY LINE	EASEMENT LINE	HEAVY AC PWMT.	DESCRIPTION:	CONTOUR LINES	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	FENCES	AC PAVEMENT	CONCRETE	SPOT ELEVATIONS	SIGNS	MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	100W HPS STREETLIGHTS	150W HPS STREETLIGHTS	200W HPS STREETLIGHTS	250W HPS STREETLIGHTS
PROPERTY LINE	SAWCUT LINE	LIGHT AC PWMT.	EXISTING:	(-2210)-					X-X-X			(12.34) BC			① = SANITARY SEWER ② = STORM DRAIN ③ = ELECTRICAL ④ = TELEPHONE									
842172 ROW LINE	SCARP LINE	CONCRETE PWMT.	PROPOSED:	(-2210)					X-X-X			(12.34) BC												

PROJECT # H-109427

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT
DATE: