

CLV GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL, AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.
8. AC PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE TOP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
9. CURB AND GUTTER FOUND UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DWG. 216.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS.
12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.550.
15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
16. WALL NOTES:
ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

CITY OF LAS VEGAS TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK" LATEST EDITION, AND THE "MANUAL ON UNIFORM CONTROL DEVICES" LATEST EDITION.
2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING A DEVELOPMENT DEPARTMENT PRIOR TO CONSTRUCTION.
3. BEFORE ANY WORK IS STARTED IN THE RIGHT OF WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. BEFORE ANY WORK IS STARTED IN THE RIGHT OF WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE, WHEN A CONSTRUCTION WORK ZONE ENCLOSED UPON DESIGNATED "SUGGESTED ROUTE TO SCHOOL" AND PUBLIC WORK STAFF IDENTIFIES A NEED FOR STUDENTS SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR IS REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF THE TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.
5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKINGS, SUCH PAVEMENT MARKINGS SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POST SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT CITY STANDARDS.
7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5) FEET OR ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGN POST, THE PROPOSED SIGN SHALL BE MOUNTED IN THE STREET LIGHT LIGHT STANDARD AND THE SIGN POST ELIMINATED.
8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ON TO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFFSITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
9. STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR THE PLACEMENT OF STREET NAME SIGNS.
10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO ENSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET-UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.
11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (CAT), IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET, TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (228-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET UP BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

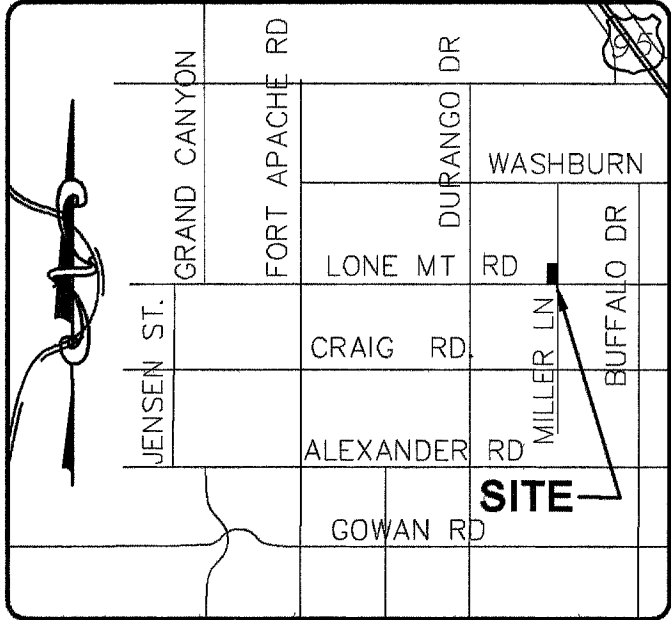
LONE MOUNTAIN AND MILLER
SEWER MAIN EXTENSION

LYING IN THE SOUTH HALF (S 1/2) OF THE SOUTHEAST QUARTER

(SE 1/4), OF SECTION 33,

TOWNSHIP 19 S, RANGE 60 E, M.D.M.

APN 125-33-803-020



VICINITY MAP
N.T.S.

CALL
before you
DIG

1-800-227-2600

UNDERGROUND SERVICE (USA)
AVOID CUTTING UNDERGROUND
UTILITY LINES. IT'S COSTLY.

CALL
before you
Overhead

1-702-227-2929

UNDERGROUND SERVICE (USA)
AVOID OVERHEAD POWER
LINE CONTACT. IT'S COSTLY.

LEGAL DESCRIPTION

A PORTION OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 33, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SECTION 33; THENCE NORTH 88°04'00" WEST, A DISTANCE OF 693.66 FEET; THENCE NORTH 00°44'14" WEST, A DISTANCE OF 50.00 FEET; THENCE NORTH 88°04'00" WEST, A DISTANCE OF 30.00 FEET TO THE POINT OF BEGINNING;

THENCE NORTH 00°44'14" EAST, A DISTANCE OF 293.66 FEET; THENCE NORTH 88°10'53" WEST, A DISTANCE OF 157.99 FEET; THENCE SOUTH 00°44'14" EAST, A DISTANCE OF 293.30 FEET; THENCE SOUTH 88°04'00" EAST, A DISTANCE OF 158.42 FEET TO THE POINT OF BEGINNING.

EXCEPTING THEREFROM THAT CERTAIN SPANDREL AREA IN THE SOUTHEAST CORNER THEREOF AS CONVEYED TO CLARK COUNTY BY THAT CERTAIN DEED RECORDED OCTOBER 19, 1987 IN BOOK 871019, AS DOCUMENT NO. 00877, OFFICIAL RECORDS, AND RECORDED APRIL 6, 1988 IN BOOK 880408 AS DOCUMENT NO. 00369, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

CLV SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS, ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
5. ALL MANHOLES PAVED IN STREETS EIGHTY (80') RIGHT-OF-WAY AND LARGER, SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80') FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCHES (18") UNDER A WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY PLANNING ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
10. INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PVC PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

LEGEND

	EXISTING CONTOURS
	PROPOSED GRADE
	EXISTING GRADE
	PROPOSED SANITARY SEWER LINE
	EXISTING SANITARY SEWER LINE
	PROPOSED WATER LINE
	EXISTING WATER LINE
	PROPOSED FIRE SPRINKLER LINE
	EXISTING GAS LINE
	EXIST./PROP. EDGE OF ASPHALT
	PROPERTY/RIGHT-OF-WAY LINE
	CENTERLINE
	EXIST./PROP. BLOCK WALL
	EX. OVERHEAD POWER/TELEPHONE
	SAWCUT LINE
	EXIST./PROP. SANITARY SEWER MANHOLE
	EXIST./PROP. 100W HPS STREETLIGHT
	EXIST./PROP. 150W HPS STREETLIGHT
	EXIST./PROP. 250W HPS STREETLIGHT
	HANDICAPPED SYMBOL
	EXIST./PROP. FIRE HYDRANT
	EXIST./PROP. GATE VALVE
	EXIST./PROP. REDUCING VALVE
	EXIST./PROP. CLEANOUT
	PROPOSED ASPHALT
	PROPOSED CONCRETE

ABBREVIATIONS

AC.....	ASPHALTIC CONCRETE
BOR.....	BEGINNING OF CURB RETURN
BRW.....	BOTTOM RETAINING WALL
BSW.....	BACK OF SIDEWALK
CC.....	CLARK COUNTY
CLV.....	CITY OF LAS VEGAS
CH.....	CITY OF NORTH LAS VEGAS
CL.....	CITY OF HENDERSON
CO.....	CENTERLINE
CONC.....	SEWER CLEANOUT
EAC.....	CONCRETE
ECR.....	EXISTING ASPHALTIC CONCRETE
EP.....	END OF CURB RETURN
ETC.....	EDGE OF PAVEMENT
EX.....	EXISTING TOP OF CURB
F.A.S.T.....	EXISTING
FL.....	FREEWAY AND ARTERIAL
FL.....	SYSTEM TRANSPORTATION
FL.....	FINISHED FLOOR
FL.....	FLOWLINE
GB.....	GRADE BREAK
HP.....	HIGH POINT
IE.....	INVERT ELEVATION
LVVWD.....	LAS VEGAS VALLEY WATER DISTRICT
NTS.....	NOT TO SCALE
CH.....	EXISTING OVERHEAD POWER
PE.....	PAD ELEVATION
PL.....	PROPERTY LINE
PP.....	POWER POLE
SD.....	STORM DRAIN LINE
SF.....	SQUARE FEET
SL.....	STREET LIGHT
SS.....	SANITARY SEWERLINE
STA.....	STATION
SW.....	SIDEWALK
TC.....	TOP OF CURB
TRW.....	TOP RETAINING WALL
TY.....	TYPICAL
VG.....	VALLEY GUTTER
WL.....	WATERLINE
WM.....	WATER METER

DEVIATIONS FROM STANDARDS

NONE

BENCHMARK

CLARK COUNTY BENCH MARK 1000 4WS, A RIVET AND SQUARE ALUMINUM PLATE IN AN ELECTRICAL TRANSFORMER PAD, 175 FEET WEST OF AL GARRISON ST. ON THE SOUTH SIDE OF CRAIG ROAD.

ELEV=726.792 METERS = 2384.48 FEET NAVD88

BASIS OF BEARINGS

N 01°17'19"W BEING THE CENTERLINE OF BUFFALO DRIVE AS PER FILE #4, PAGE 8 OF PARCEL MAPS, CLARK COUNTY OFFICIAL RECORDS.

FLOOD ZONE INFORMATION

PROJECT IS LOCATED IN ZONE X AND NOT IN 100 YEAR FLOOD ZONE PER FEMA FIRM MAP PANEL 32035C, DATED SEPTEMBER 27, 2002, REVISED TO REFLECT LOMR, DECEMBER 31, 2003.

SHEET INDEX

SHEET C1 COVER SHEET
SHEET C2 PLAN AND PROFILE

CLV DWG NO. 307V 1005

PROJECT DEVELOPER
1720 HONEY LAKE ST
LAS VEGAS, NV 89103
V-(702) 683-3972 F-(702) 531-2882

PROJECT NO. 307V 1005

DATE 5/31/07

FILE NAME: CLV-DWG-250-1-DWG

250.1

MIKE IGNATOWICZ

4130 S. SANDHILL, SUITE A-16
LAS VEGAS, NV. 89121
PH. (702) 597-2988
FAX. (702) 597-0309

ENGINEERS, INC.

COVER SHEET

APN 125-33-803-020

LONE MOUNTAIN AND MILLER
SEWER MAIN EXTENSION

DRAWN BY: IS 05/31/07

DESIGNED BY: KJE 05/31/07

CHECKED BY: KJE 05/31/07

PROJECT NO: 250.1

SCALE

HORIZONTAL: N/A

VERTICAL: N/A

SHEET C1

1 OF 2 SHEETS

PROJECT NO.

CLV DWG NO. 307V 1005

103436

18916