

CITY OF LAS VEGAS 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 EDITION, AND THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA, NEVADA", LATEST EDITION, AND THE "SUMMERLIN PUBLIC WORKS 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 & OVERHEAD INTERFERENCES 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 TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST 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 OR 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 DESIGN TO BE APPROVED BY THE CITY ENGINEER, PRIOR TO THE 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 (1/2") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.

LWVD STANDARD NOTES

- LWVD PROJECT No. 26229
- 1) NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LWVD. FOLLOWING WATER PLAN APPROVAL, 48 HOUR NOTICE SHALL BE GIVEN TO THE LWVD. THE CONTRACTOR SHALL COMMUNICATE WITH THE LWVD COMMUNICATIONS SUPPORT CENTER (258-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 PM THE BUSINESS DAY PRIOR TO A LWVD INSPECTION.
 - 2) ALL WORK SHALL CONFORM TO LWVD STANDARD PLANS, DRAWINGS, AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
 - 3) ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA.
 - 4) A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT, UNLESS OTHERWISE APPROVED BY THE LWVD.
 - 5) ALL SERVICE LATERALS TWO INCHES (2") IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LWVD APPROVED SERVICE SADDLES.
 - 6) ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
 - 7) ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, CURBS AND VALLEY GUTTERS.
 - 8) THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND A SANITARY SEWER OR STORM SEWER LINE CROSS:
 - A. MINIMUM EIGHTEEN (18") VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED, THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE. THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR AS SHOWN ON THESE PLANS:
 - A. POTABLE WATER SUPPLY QUALITY MATERIAL.
 - B. ENCASEMENT WITH FOUR INCH (4") CONCRETE (MINIMUM).
 - C. SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.
 - 9) EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE WATER MAIN, A MINIMUM TEN FOOT (10') DISTANCE PERPENDICULAR TO THE EXTERIOR OF MAIN.
 - 10) ALL WATER FACILITIES SHALL BE FLEET, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED PRIOR TO CONNECTION TO THE LWVD'S DISTRIBUTION SYSTEM.
 - 11) THE CONTRACTOR MUST OBTAIN ALL METERS TWO INCHES (2") AND SMALLER FROM LWVD CENTRAL STORES. TELEPHONE 258-3152 FORTY-EIGHT (48) HOURS PRIOR TO PICKUP.
 - 12) CONSTRUCTION MAY INTERRUPT SERVICE WITH LWVD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10:00 AM AND 6:00 AM SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEES TO BE INSTALLED, WITHOUT LWVD REIMBURSEMENT. ANY TEMPORARY SERVICE FEES MUST HAVE PRIOR LWVD APPROVAL.
 - 13) ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST AS LISTED ON THE LWVD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES. LATEST REVISION OR SPECIFICALLY APPROVED ON THESE PLANS.

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 OFF-SITE 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 PLANNING ENGINEER.
 - 3) CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
 - 4) POLYVNYL (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 IN PAVED STREETS EIGHTY (80') FOOT R/W 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 LWVD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR 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 AND REPLACED TO THE SATISFACTION OF THE CITY PLANNING ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
 - 10) INSTALLATION OF CURVED SEWER REQUIRES SPECIAL CONSTRUCTION PROCEDURES AND INSPECTIONS. CONTACT CITY OF LAS VEGAS CONSTRUCTION SERVICES 24 HOURS PRIOR TO INSTALLATION.
- REVISED 11/98

LEGAL DESCRIPTION:

BEING A PORTION OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 21, TOWNSHIP 20 SOUTH RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

LOTS 96D, 96E, AND 96F OF THE VEGAS HEIGHTS TRACT UNIT NO. 4 AS SHOWN ON PLAT BOOK 1, PAGE 77 IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER.

OWNER/DEVELOPER:

HABITAT FOR HUMANITY LAS VEGAS, INC.
 1753 NORTH DECATUR BLVD.
 LAS VEGAS, NEVADA 89108
 (702)-538-6477
 CONTACT PERSON: SUSAN MACKERT

BASIS OF BEARINGS:

BEING NORTH 01°27'14" EAST ALSO BEING THE CENTERLINE OF CONCORD STREET, AS SHOWN ON FILE 71, PAGE 7 OF SURVEYS, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

BENCHMARK:

BENCH MARK NAVD 88
 CITY OF LAS VEGAS VERTICAL CONTROL POINT No. 88 21.01/21.06 RIVET AND SQUARE PLATE IN THE TOP OF CURB, SOUTHEAST, RETURN OF MARTIN LUTHER KING BLVD. AND BALZAR AVE. ELEV. 625.9134 METERS (2053.52 FEET)

GEOTECHNICAL NOTE:

ALL GRADING SHALL CONFORM TO THE SOILS REPORT BY:

ENGINEER: KLEINFELDER
 DATE: SEPTEMBER 24, 1998
 JOB NO. 91-212101

QUANTITIES (PUBLIC):

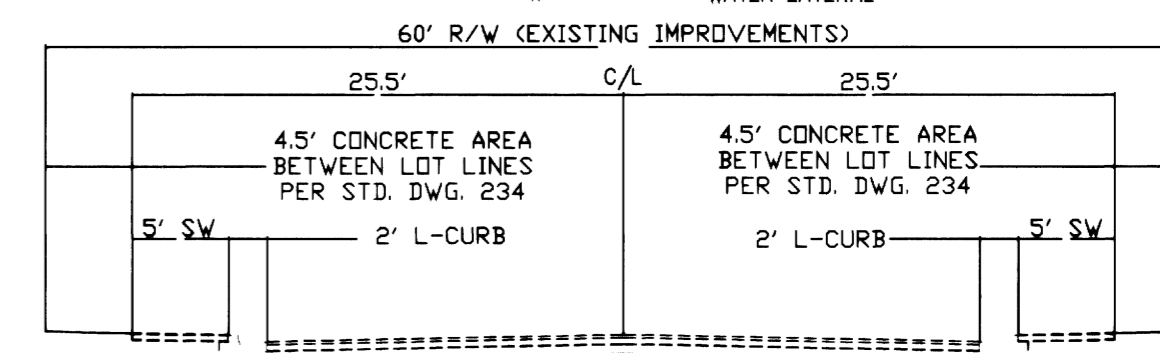
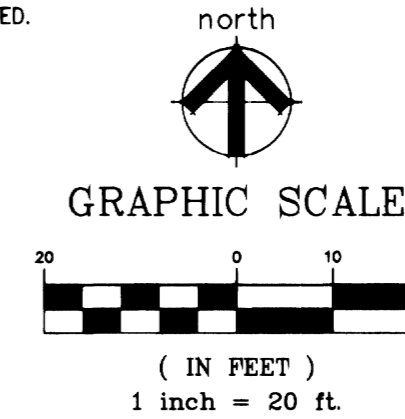
PAVEMENT PATCH	7455F
RESIDENTIAL DRIVEWAY	310 SF
TYPE II AGGREGATE BASE	11.9 CY
GRIND PAVEMENT RAMP	1 EA.
WATER	
1" WATER SERVICE AND 3/4" METER	3 EA.
SEWER	
4" SEWER SERVICE (PRIVATE)	3 EA.

CONSTRUCTION NOTES:

- 1) CONSTRUCT NEW DRIVEWAY CUT PER STD. DWG. No. 223
- 2) INSTALL 1" WATER SERVICE AND 3/4" METER PER UDACS PLATE No. 1B
- 3) INSTALL 4" SEWER SERVICE PER DCSWCS DWG SD-17.
- 4) SAWCUT, REMOVE AND REPLACE EXISTING AC, CURB/GUTTER AND SIDEWALK PER STD DWG(S) 216,234 & 503
- 5) POUR CONCRETE IN AREA BETWEEN BACK OF SIDEWALK AND RIGHT-OF-WAY LINE PER STD DWG 234. THIS AREA TO BE VACATED. PER VAC-0016-02.

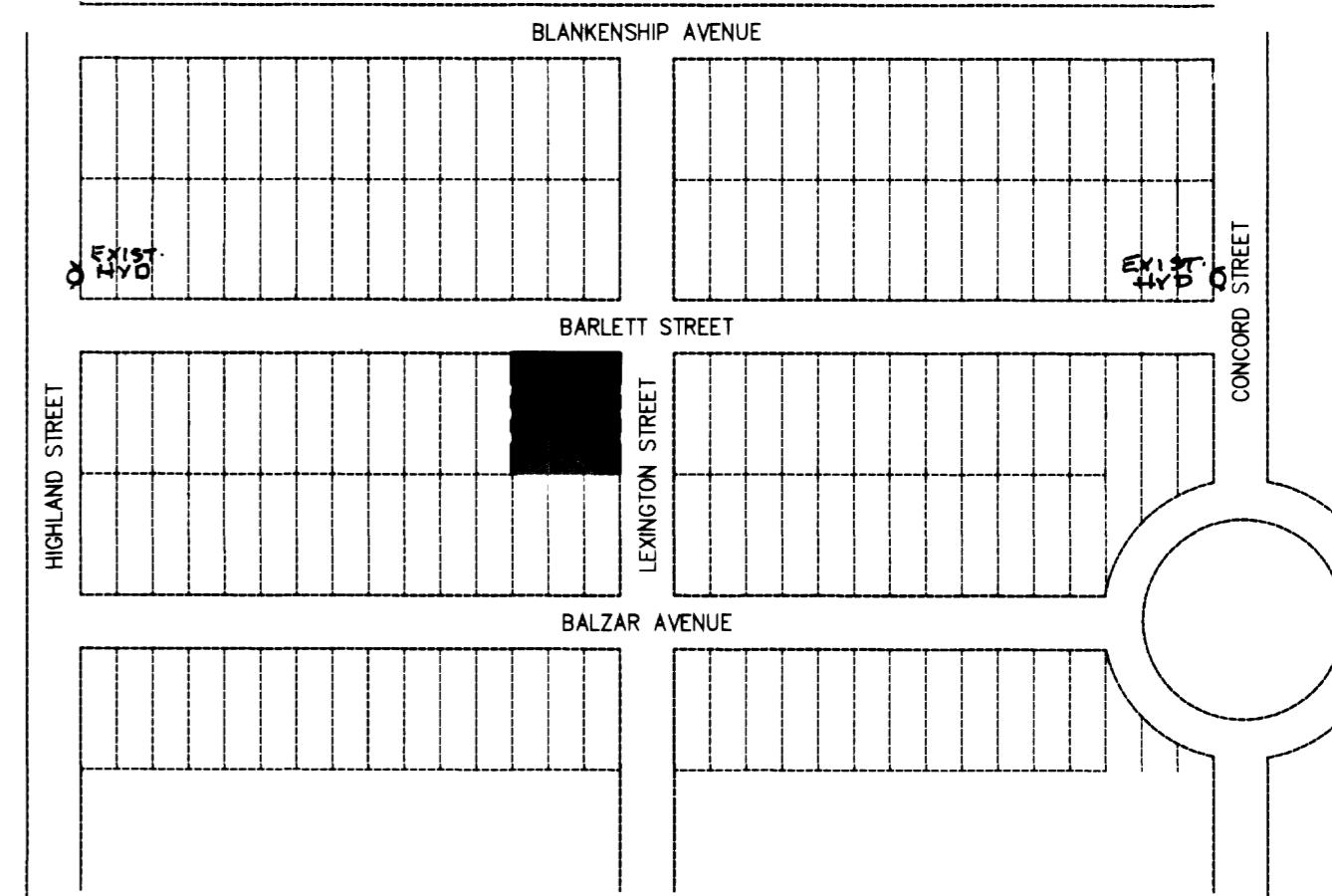
LEGEND:

- CENTERLINE
- RIGHT-OF-WAY
- - - - - SUBJECT PROPERTY LINE
- - - - - PROPERTY LINE - NOT A PART
- - - - - FENCE LINE
- - - - - EXISTING CONCRETE SIDEWALK
- - - - - EXISTING "L" TYPE CURB
- - - - - EXISTING BUILDING LINE
- - - - - EXISTING SETBACK
- - - - - PROPOSED DRAINAGE SWALE
- FOUND 1" IRON PIPE
- FOUND POINT AS NOTED
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER CLEANOUT
- EXISTING GAS LOCATOR MARK
- EXISTING GAS METER
- EXISTING STREET LIGHT
- EXISTING POWER POLE
- SEWER LATERAL
- WATER LATERAL



TYPICAL STREET SECTION

PER STD. DWG No. 205 (MODIFIED) NTS



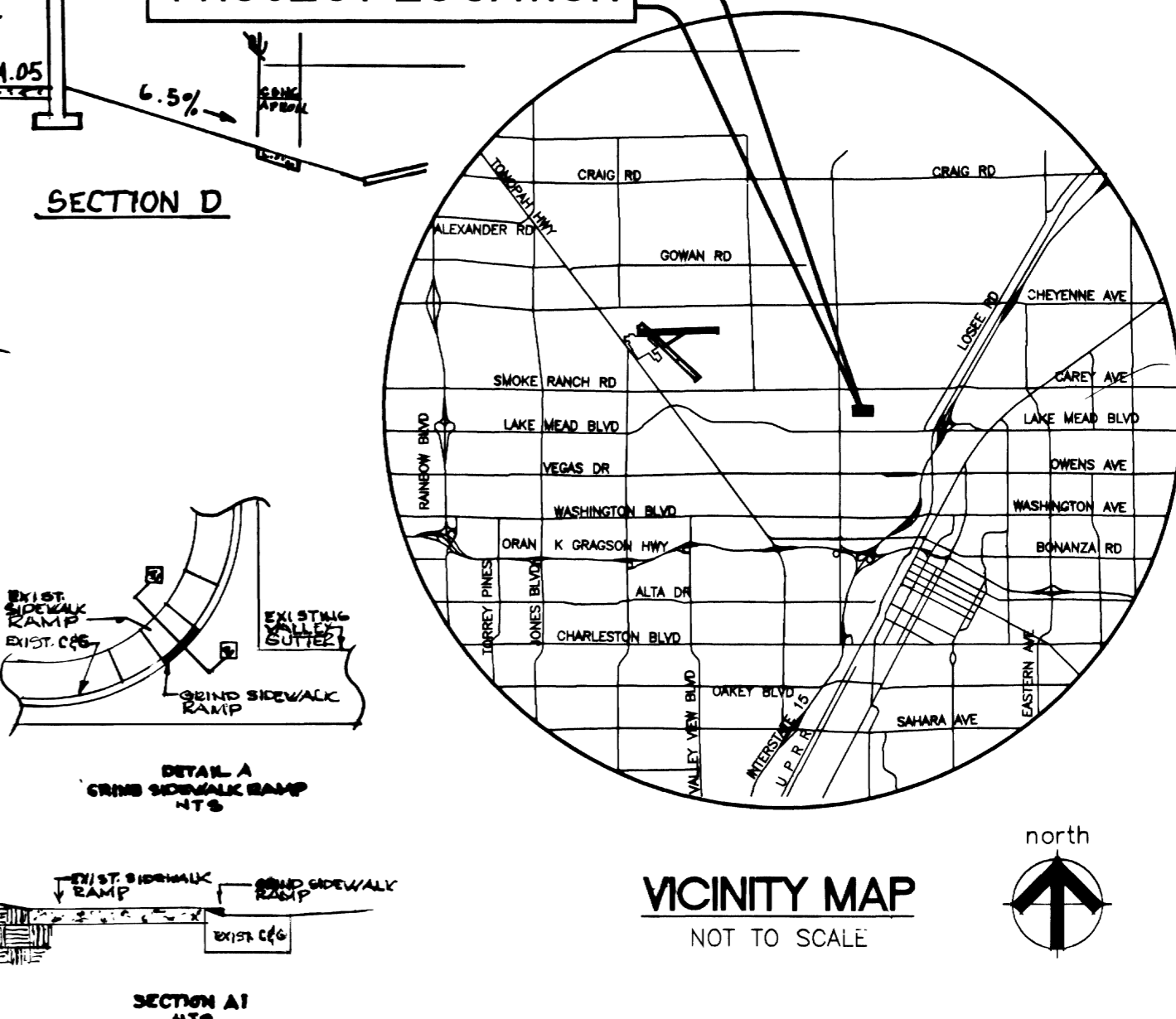
LOCATION MAP

NOT TO SCALE

APPROVALS:

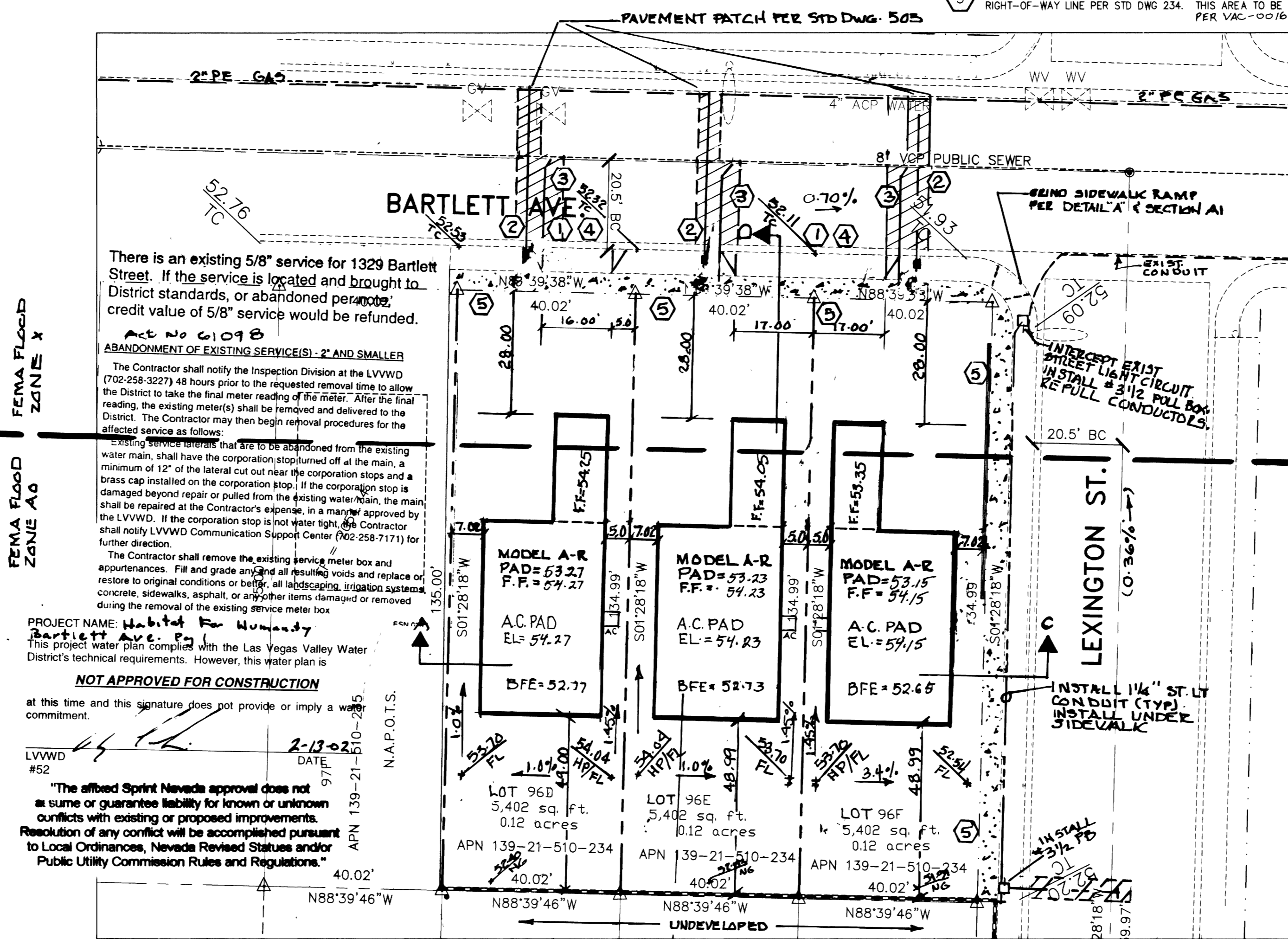
- Charles Koswanicki, PE #4784, CLV CITY ENGINEER, dated 2-22-2002
- John Koswan, CURRENT PLANNING MANAGER, dated 2/14/2002
- John Koswan, dated 2/14/02
- John Koswan, dated 2/14/02
- John Koswan, dated 2-1-02

PROJECT LOCATION



VICINITY MAP

NOT TO SCALE



CLV TRAFFIC NOTES:

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK", LATEST EDITION, AND TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
 2. STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
 3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCED 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. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCLOSED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR THE STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.
 5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKINGS, SUCH PAVEMENT MARKING 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 PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
 7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE FEET (5') OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE INSTALLED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
 8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
 9. STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.
 10. CONTRACTOR SHALL PROVIDE BARRICADES, SIGNS, FLASHERS, OTHER EQUIPMENT AND FLAG PERSONS NECESSARY TO INSURE THE SAFETY OF WORKERS AND VISITORS. FLAG PERSONS NECESSARY TO INSURE THE SAFETY OF WORKERS AND VISITORS.
 11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO TRAVELING PUBLIC.
 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) 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 (PHONE NO. 229-3442) 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.
- REVISED 11/98

DEVIATIONS FROM STANDARDS:

1. DRIVEWAY BETWEEN LOT 96E AND 96F TO BE CONSTRUCTED AS A COMMON DRIVEWAY 34' WIDE WHERE 24' IS MAX PER USD No. 222

NEVADA POWER COMPANY ACKNOWLEDGES THAT IT HAS RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NEVADA POWER COMPANY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

Job No.

FILE No.

REUSE OF DOCUMENTS
 THE DRAWINGS AND THE SPECIFICATIONS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE NOT TO BE REUSED IN ANY MANNER OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER OR ARCHITECT.

APPROVED

REVISIONS

DESCRIPTION

NO. DATE

DATE

STATE OF NEVADA
 CIVIL ENGINEER
 DAVID A. DRYER
 LICENSE NO. 11287

DRYER ENGINEERING, INC.
 LAND USE PLANNING
 LAND SURVEYING
 2310 SMOKE RANCH RD., SUITE E
 LAS VEGAS, NEVADA 89128
 (702) 254-2200
 FAX: (702) 254-2256

PLOT AND GRADING PLAN
 HABITAT FOR HUMANITY
 BARTLETT AVE. AND LEXINGTON STREET

LAS VEGAS
 A.P.N. 139-21-510-234

JOB No. 21083
 DATE: JAN 29, 02

VERT. SCALE: 1"=20'
 HORIZ. SCALE: PASJ
 DRAWN BY: RER

CHECKED BY: RER
 SHEET 1 OF 2

FILE No. 07-V3460-B