

### GENERAL CONSTRUCTION NOTES

(INSTRUCTIONS TO CONTRACTOR)

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING:
  - APPLICABLE SECTIONS OF STATE OF NEVADA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS AND STANDARD PLANS; LATEST EDITIONS
  - UNIFORM PLUMBING CODE, UNIFORM BUILDING CODE (LATEST EDITIONS)
  - THE PROJECT PLANS, NOTES AND SPECIFICATIONS HEREON;
  - THE GEOTECHNICAL INVESTIGATION REPORT SPECIFICALLY PREPARED FOR THIS PROJECT
  - ALL APPLICABLE CITY OF LAS VEGAS ORDINANCES
  - THE REQUIREMENTS OF ALL PERMITS OBTAINED FOR THIS PROJECT
- NOTE: WHERE CONFLICTS EXIST BETWEEN ANY OF THE ABOVE LISTED SPECIFICATIONS OR REQUIREMENTS, THE MOST STRINGENT LISTED SPECIFICATION OR REQUIREMENT SHALL PREVAIL UNLESS SPECIFICALLY APPROVED OTHERWISE.
- CONTRACTOR SHALL SUPPLY ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO PERFORM THE WORK SHOWN ON THE PROJECT PLANS AND SPECIFICATIONS IN ACCORDANCE WITH THE OWNER'S REQUIREMENTS.
- IT SHALL BE THE RESPONSIBILITY OF THE VARIOUS CONTRACTORS TO COORDINATE THEIR WORK SO AS TO ELIMINATE CONFLICTS AND WORK TOWARD THE SUCCESSFUL COMPLETION OF THE ENTIRE PROJECT WITHIN THE SPECIFIED SCHEDULE.
- ALL WORKMANSHIP AND MATERIALS FURNISHED BY CONTRACTOR SHALL BE OF THE KIND AND QUALITY DESCRIBED IN THESE PLANS, AND SHALL BE FIRST CLASS THROUGHOUT. NEITHER FINAL ACCEPTANCE NOR FINAL PAYMENT BY THE OWNER SHALL RELIEVE CONTRACTOR OF RESPONSIBILITY FOR FAULTY MATERIALS OR WORKMANSHIP.
- IN THE EVENT OF ANY CONFLICT OF INFORMATION SHOWN OR AMBIGUITIES IN THE PLANS AND SPECIFICATIONS, OR ANY CONFLICT BETWEEN THE PLANS AND THE INTENT OF A CONSISTENT AND FUNCTIONAL FACILITY, THE CONTRACTOR SHALL SO NOTIFY THE OWNER IN WRITING, UPON WHICH TIME THE OWNER SHALL RESOLVE THE CONFLICT OR AMBIGUITY BY THE ISSUANCE OF A WRITTEN CHANGE ORDER OR BY REVISING THE PLANS, SPECIFICATIONS OR BOTH. THE CONTRACTOR SHALL BEAR FULL COST AND RESPONSIBILITY FOR WORK AFFECTED BY SUCH UNRESOLVED CONFLICTS OR AMBIGUITIES AND PERFORMED BY THE CONTRACTOR PRIOR TO THE PROPER RESOLUTION.
- CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL AT ALL TIMES AND AS REQUIRED BY THE AIR-QUALITY GOVERNING AGENCY.
- CONTRACTOR SHALL EXERCISE ALL NECESSARY CAUTION TO AVOID DAMAGE TO ANY EXISTING IMPROVEMENTS AND FACILITIES WHICH ARE TO REMAIN IN PLACE, AND SHALL BEAR FULL RESPONSIBILITY FOR ANY DAMAGE THERE TO.
- EXISTING UNDERGROUND LINES, APPURTENANCES AND FACILITIES WHICH ARE KNOWN TO THE ENGINEER ARE SHOWN FOR INFORMATION ONLY. CONTRACTOR SHALL EXERCISE ALL NECESSARY CAUTION TO AVOID DAMAGE TO ANY EXISTING FACILITIES WHICH ARE TO REMAIN IN PLACE, WHETHER OR NOT SUCH FACILITIES ARE SHOWN ON THE PLANS, AND SHALL BEAR FULL RESPONSIBILITY FOR ANY DAMAGE THERE TO. NO WARRANTY IS GIVEN AS TO THE COMPLETENESS AND ACCURACY OF SUCH EXISTING FACILITIES INFORMATION.
- NO UNAUTHORIZED CHANGES SHALL BE MADE IN THE FIELD BY THE CONTRACTOR PRIOR TO APPROVAL BY THE OWNER AND THE GOVERNING AGENCY AS MAY BE REQUIRED.
- CONTRACTOR SHALL PROVIDE ALL FENCES, LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY AND SECURITY OF THE PROJECT SITE.
- NO SUBSTITUTIONS FOR SPECIFIED MATERIALS, PROCEDURES OR DETAILS WILL BE ALLOWED WITHOUT THE PRIOR AUTHORIZATION OF THE OWNER AND THE GOVERNING AGENCY.
- THIS PLAN DOES NOT AUTHORIZE ANY CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY WITHOUT THE PROPER SIGNATURES OF THE GOVERNING AGENCY.

### UNDERGROUND UTILITY NOTES

- CONTRACTOR SHALL EXPOSE AND VERIFY PIPE MATERIAL, LINE SIZE, LOCATION AND ELEVATION OF EXISTING UTILITIES, INCLUDING SANITARY SEWERS, STORM DRAINS, WATER LINES AND STREET LIGHT CONDUIT AT ALL TRENCHES AND CROSSINGS PRIOR TO CONSTRUCTING NEW FACILITIES. IN CASE OF ANY CONFLICT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER BEFORE PROCEEDING.
- STORM AND SANITARY SEWER PIPE, MANHOLES, CLEANOUTS, ETC. SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROPRIATE STANDARD DETAILS.
- CONTRACTOR SHALL PLACE 2" X 3" WOOD STAKES AT ENDS OF ALL STORM, SANITARY AND WATER LINES STUBBED OUT FOR FUTURE CONNECTION BY OTHERS. STAKE SHALL BE OF SUFFICIENT LENGTH TO EXTEND FROM END OF PIPE TO 18" ABOVE FINISH SURFACE GRADE AND SHALL BE COLOR CODED: (YELLOW FOR STORM, RED FOR SANITARY, AND GREEN FOR WATER).
- ALL SERVICE UTILITIES TO EXISTING BUILDINGS SHALL END 5' FROM THE BUILDING, ADJACENT TO THE PLANNED SERVICE POINT. STUB ENDS FOR WATER AND SEWER CONNECTION SHALL BE MARKED APPROPRIATELY WITH A WOOD STAKE AND OTHER UTILITIES SHALL END IN A SERVICE PULL BOX.
- ALL TRENCH EXCAVATION, BACKFILL AND BEDDING FOR STORM DRAINS, SANITARY SEWERS AND UTILITY LINES SHALL CONFORM TO THE AGENCY REQUIREMENTS AND PIPE MANUFACTURERS RECOMMENDATIONS. NO JETTING WILL BE ALLOWED WITHOUT PRIOR APPROVAL.
- ALL TRENCHES AND EXCAVATIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH APPLICABLE AGENCY REQUIREMENTS AND OTHER SAFETY ORDINANCES WHICH MAY APPLY. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR TRENCH SHORING DESIGN AND INSTALLATION IF NECESSARY.
- CLEARANCE BETWEEN WATER LINES AND SANITARY SEWERS SHALL BE IN ACCORDANCE WITH CLARK COUNTY HEALTH DISTRICT REQUIREMENTS.
- ALL SANITARY LATERALS SHALL HAVE A MINIMUM SLOPE OF 2% UNLESS SHOWN OTHERWISE.
- THE USE OF MATERIAL CONTAINING ASBESTOS SHALL NOT BE PERMITTED.
- ALL UNDERGROUND UTILITIES SHALL BE COMPLETED BEFORE PLACING BASE COURSE FOR NEW PAVEMENT CONSTRUCTION UNLESS INSTRUCTED BY THE OWNER.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL NECESSARY UTILITY CONSTRUCTION, RELOCATIONS AND INSPECTIONS WITH THE APPROPRIATE AGENCY OR UTILITY COMPANY.
- NOTIFY "CALL-BEFORE-YOU-DIG" (UNDERGROUND SERVICE ALERT) AT 1-800-227-2600 PRIOR TO ANY EXCAVATION OR UTILITY REMOVAL AND RELOCATION. PROVIDE ADEQUATE TIME BETWEEN NOTIFICATION AND THE ACTUAL WORK.

### PAVING AND GRADING NOTES

- IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFFSITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
- CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR THE STABILITY OF ANY EXCAVATION SIDES. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION SIDES.
- THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
- THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
- CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:
 

	HORIZONTAL	VERTICAL	COMPACTION
A. PAVEMENT AREA SUBGRADE	0.1'+	+0.0' TO -0.1'	SEE SOILS REPORT
B. ENGINEERED FILL	0.5'+	+0.1' TO -0.1'	SEE SOILS REPORT

 COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.
- GRADE BREAKS FOR CURBS AND/OR PAVING SHALL BE ROUNDED OFF DURING FORMING OR PAVING OPERATIONS SO AS TO PROVIDE A SMOOTH APPEARANCE. DO NOT ROUND OFF WHERE IT WILL ADVERSELY AFFECT DRAINAGE.
- CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEANOUTS, ETC. TO NEW FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
- 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.
- ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
- THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
- THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHTS-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
- ALL STRIPING AND LEGENDS SHALL BE PAINTED IN ACCORDANCE WITH THESE PLANS AND THE APPROPRIATE STATE, FEDERAL AND LOCAL CODES USING APPROPRIATE MATERIALS AND METHODS IN ACCORDANCE WITH THE APPROPRIATE STATE AND LOCAL SPECIFICATIONS.

### CITY OF LAS VEGAS FIRE DEPT. NOTES

- ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS", "HYDRANT INSTALLATION SPECIFICATIONS", AND ORDINANCE NO. 3944.
  - AUTHORIZED HYDRANTS FOR THIS PROJECT ARE
    - A - KENNEDY GUARDIAN
    - B - MUELLER A-423 CENTURIOR
    - C - CLOW MODEL 2546 MEDALLION
  - ON ANY NEW HOME OR BUILDING INSTALLATION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMBUSTIBLE CONSTRUCTION COMMENCES AND SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH AN ADEQUATE WATER SUPPLY.
  - CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT CENTERLINE OF STREET ADJACENT TO FIRE HYDRANT AS REQUIRED IN ORDINANCE NO. 3944 TO IDENTIFY FIRE HYDRANT LOCATIONS.
  - CALL THE LAS VEGAS BUILDING DEPARTMENT AT 229-2071 FOR UNDERGROUND INSPECTION, PRESSURE AND FLUSH VERIFICATION OF ALL FIRE HYDRANTS AND FIRE LINES BEFORE COVERING.
  - PAINTING OF THE CURBS AND HYDRANTS AND ANY WORK NECESSARY FOR PROTECTION OF HYDRANTS FROM PHYSICAL DAMAGE PER ORDINANCE NO. 3944 SHALL BE COMPLETED BEFORE APPROVAL BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.
  - A PERMIT IS REQUIRED FROM THE FIRE DEPARTMENT FOR ON-SITE WATER LINE AND FIRE HYDRANT. THE PERMIT AND CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER PRIOR TO ANY WORK BEGINNING.
  - PRIVATE FIRE HYDRANTS SHALL BE PAINTED RED.
  - A FLOW TEST MUST BE WITNESSED BY THE FIRE DEPARTMENT PRIOR TO OCCUPANCY FOR VERIFICATION OF REQUIRED ON-SITE WATER SUPPLY.
  - ALL ON-SITE FIRE MAIN MATERIALS MUST BE U.L. LISTED AND A.W.W.A. APPROVED.
  - FIRE HYDRANT SPACING:
    - RESIDENTIAL - 500 FEET UNSPRINKLERED; 1000 FEET SPRINKLERED
    - COMMERCIAL, INCLUDING MULTI-FAMILY - 300 FEET UNSPRINKLERED; 400 FEET SPRINKLERED.
  - WHERE NEW WATER MAINS ARE EXTENDED ALONG STREETS, WHERE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF STRUCTURES, FIRE HYDRANTS SHALL BE SPACED AT MAXIMUM 1000 FOOT SPACING TO PROVIDE FOR TRANSPORTATION HAZARDS.
  - NO FIRE HYDRANT SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF A CUL-DE-SAC OR WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
  - NO FIRE HYDRANT SHALL BE LOCATED WITHIN 6' OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREET LIGHT OR ANY OTHER OBSTRUCTION.
  - TWO SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE ARE 4 OR MORE FIRE HYDRANTS INSTALLED ON A SINGLE SYSTEM.
  - NOT MORE THAN 2 HYDRANTS CAN BE OUT OF SERVICE DUE TO A SINGLE MAIN BREAK.
  - FIRE APPARATUS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20 FEET PROVIDED NO PARKING IS ALLOWED, NOT LESS THAN 28 FEET IF PARALLEL PARKING IS ALLOWED ON ONE SIDE, AND NOT LESS THAN 36 FEET IF PARALLEL PARKING IS ALLOWED ON BOTH SIDES. VERTICAL CLEARANCE SHALL BE NOT LESS THAN 13 FEET 6 INCHES.
  - THE TURNING RADIUS FOR ANY FIRE APPARATUS ACCESS ROAD AND/OR FIRE LANE, PUBLIC OR PRIVATE SHALL BE NOT LESS THAN 45 FEET OUTSIDE RADIUS AND 22 FEET INSIDE RADIUS.
  - A FIRE APPARATUS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FEET FROM A FIRE DEPARTMENT VEHICLE ACCESS. (SEE EXCEPTIONS IN U.F.C. 94, SECTION 902.2)
  - ALL DEAD END FIRE APPARATUS ACCESS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FEET IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURNAROUND AREA. SEE ORDINANCE NO. 3944.
  - ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE, ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS OF 100 FEET ALONG ALL DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FEET OR LESS THAN 6 FEET FROM ROADWAY LEVEL. THE CURBS ALONG OR ON THE PAVEMENT OR CEMENT IF CURB IS NOT PRESENT, SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS.
  - ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GUIDELINES FOR AUTOMATIC EMERGENCY VEHICLE ACCESS GATES.
- REVISED 9/96

### CITY OF LAS VEGAS STREETLIGHT NOTES

- ALL STREET LIGHTING INSTALLATIONS SHALL CONFORM TO THE LATEST ISSUE OF THE STANDARD DETAILS AND SPECIFICATIONS OF THE CITY OF LAS VEGAS AND SHALL ALSO CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, 1986 UNLESS OTHERWISE NOTED.
- SEE UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION CITY OF LAS VEGAS, DRAWING NO. 318.
- ALL HAND HOLE COVERS MUST BE INSTALLED, POLE CAPS POURED, AND PULL BOX LIDS BOLTED DOWN PRIOR TO ENERGIZING CIRCUIT. ALL WIRE MUST HAVE THW INSULATION.

### LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

- No work shall begin until the water plans have been released for construction by the LVVWD following water plan approval. 48 hour notice shall be given to the LVVWD Communication Support Center (258-7171) prior to the start of construction. Notice must be given by 2:00 p.m. the business day prior to a LVVWD inspection.
  - All work shall conform to LVVWD Standard Plates, Drawings and Specifications, and the uniform Design and Construction Standards for Water Distribution Systems (UDACS), latest edition.
  - All work, except as modified by these plans or by Note 2, shall be done in accordance with the most current draft or edition of the Uniform Standard Specifications for Public Works Construction Offsite improvement, Clark County area.
  - A single pipe material shall be used throughout the project unless otherwise approved by the LVVWD.
  - All service laterals two (2) inches in diameter and smaller shall be copper tubing with LVVWD approved service saddles.
  - All water meter boxes shall be located outside of driveway areas.
  - All valves shall be located outside of driveways, valley and curb gutters.
  - The following requirements must be met in the event a water line and sanitary or storm sewer line cross:
    - A minimum eighteen (18) inch 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:
      - Potable water supply quality material.
      - Encasement, with four (4) inch concrete (minimum)
      - Sleeving with potable water supply quality pipe.
    - Each provision must extend along the sanitary or storm sewer, on either side of the main, a minimum 10 foot distance perpendicular to the water main exterior.
  - Warning tape shall be required over all mains, all six (6) inch diameter and larger service laterals, and any service lateral not installed perpendicular to the main in accordance with Standard Plate No. 27.
  - All water facilities shall be filled, disinfected, pressure tested, flushed, filled and an acceptable water sample obtained, prior to connection to the LVVWD's distribution system.
  - The contractor must obtain all meters two (2) inches and smaller from LVVWD Central Stores. Telephone 258-3152 forty-eight (48) hours prior to pickup.
  - Construction may interrupt service with LVVWD approval and proper notification, between the hours of 10 PM and 6 AM, Sunday through Thursday. Circumstances may require temporary service feeds be installed, without LVVWD reimbursement. Any temporary service feed must have prior LVVWD approval.
  - All water facility construction materials used must be as listed on the LVVWD's Pre-Approved Materials and Manufacturers Listing for New Facilities, latest revision, or specifically approved on these plans.
- Revised: APRIL 25, 1995

APPROVED FOR CONSTRUCTION

*Dwight J. Koshovec* 4/6/97  
LAS VEGAS VALLEY WATER DISTRICT DATE

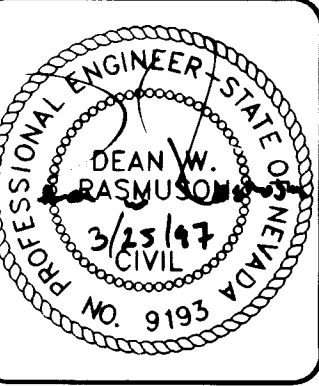
### CITY OF LAS VEGAS SEWER NOTES

- 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. IN ALL CASES, THESE STANDARDS SHALL SUPERSEDE THE UNIFORM STANDARD SPECIFICATIONS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATION BOOKS.
  - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL MEET WITH THE APPROVAL OF THE CONTROLLING AGENCY.
  - CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
  - POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II GRAVEL.
  - ALL MANHOLES IN PAVED STREETS 80' R/W AND LARGER, SHALL HAVE CONCRETE COLLARS.
  - TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO 12" DIA. SIZE. CONNECTIONS TO 15" OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES.
  - A SEWER MAIN CROSSING OVER A WATER MAIN OR LESS THAN 18" UNDER A WATER MAIN, MUST BE REINFORCED CONCRETE ENCASED FOR A DISTANCE NOT LESS THAN TEN FEET (10') TO EACH SIDE OF THE CENTERLINE OF THE WATER MAIN.
  - ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CONTROLLING AGENCY MUST BE CLASS "A" CONTRACTORS.
  - 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. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED AND REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY.
- REVISED 10/91

Avoid overhead power line contact.  
**Call before you Overhead**  
1-702-593-6111  
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Avoid cutting underground utility lines. It's costly.  
**Call before you Dig.**  
1-800-227-2600  
UNDERGROUND SERVICE ALERT (USA)

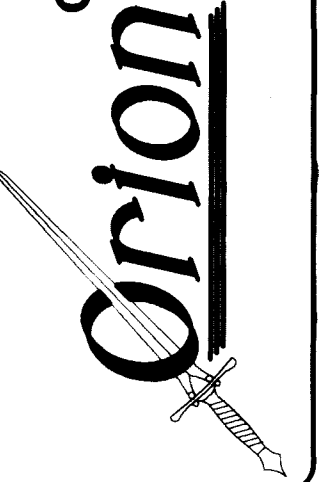
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DESIGNED BY: DRJ	DRAWN BY: DRJ	DATE: 3/97
CHECKED BY:	JOB NUMBER: 001700X	BY DATE:
NO.	REVISION	

WATT HOMES - NEVADA DIVISION  
ELKHORN SPRINGS - PARCEL 2  
UNIT 2 - NOTES  
NEVADA  
CITY OF LAS VEGAS

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2700 CHANDLER AVENUE, SUITE B-1  
LAS VEGAS, NEVADA 89120  
(702) 739-5921 FAX (702) 739-5929



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