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 ISSUE; ANY 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 THE COVER SHEET AS "DEVIATIONS FROM STANDARDS."

2. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS ARE NOT SHOWN ON THE PLANS.

3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING 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 CONTRACTOR'S EXPENSE.

4. THE CONTRACTOR SHALL NOT BACKFILL ANY TRENCHES IN WHICH WATERLINES HAVE BEEN UNCOVERED UNTIL THE WATERLINES HAVE BEEN INSPECTED BY THE LAS VEGAS VALLEY WATER DISTRICT. THE WATER DISTRICT SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF CONSTRUCTION IN THE VICINITY OF WATER LINES.

5. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY ALTERATIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.

6. 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 QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.

7. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL 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 OR UNDERGROUND POWER AND/OR TELEPHONE FACILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.

8. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.

9. EXPANSION JOINTS REQUIRED. MAXIMUM EVERY 300' IN EXTRUDED CURB.

10. AC PAVEMENT TO BE 1/2" ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT S/W RAMPS & CROSSGUTTERS.

11. APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.

12. CURB & GUTTER WITH A GRADE OF LESS THAN FOUR TENTHS OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.

13. 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.

14. 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 SAID CONTSTRUCTION. EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS, OR AS DESIGNATED IN THE FIELD BY A CITY INSPECTOR.

15. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER AND APPROVED BY THE CITY ENGINEER AND AS SHOWN ON THESE PLANS.

16. EXACT LOCATION OF ALL SAW CUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRED RELOCATION.

17. 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.

18. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC. SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND VALLEY GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY.

19. IF THE SEWER MAIN IS OVER THE WATER MAIN, OR LESS THAN 18 INCHES UNDER THE WATER MAIN, THEN CONCRETE ENCASE THE SEWER MAIN 10 FEET ON BOTH SIDES OF THE WATER MAIN, OR USE WATER QUALITY SEWER PIPE.

20. THE STRUCTURAL AND ARCHITECTURAL DESIGN OF ALL WALLS (RETAINING OR NONRETAINING) MUST BE APPROVED BY THE CLV BUILDING DEPARTMENT.

21. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT ON CITY STREETS.

C.L.V. SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN & 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.

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 CONTROLLING AGENCY.

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 GRAVEL.

5. ALL MANHOLES IN PAVED STREETS 50' R/W AND LARGER SHALL HAVE CONCRETE COLLARS.

6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO 12" IN DIAMETER. CONNECTIONS TO 15" OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES.

7. A SEWER MAIN CROSSING OVER A WATER MAIN, OR LESS THAN 18" UNDER A WATER MAIN, MUST BE REINFORCED CONCRETE ENCASED FOR A DISTANCE NO LESS THAN TEN FEET (10') TO EACH SIDE OF THE CENTERLINE OF THE WATER MAIN.

8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CONTROLLING AGENCY MUST BE 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. 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.

C.L.V. FIRE DEPARTMENT NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS," "HYDRANT INSTALLATION SPECIFICATIONS," AND ORDINANCE #3944.

2. AUTHORIZED HYDRANTS FOR THIS PROJECT ARE:
A. KENNEDY GUARDIAN
B. MUELLER A-423 CENTURION
C. CLOW MODEL 2546 MEDALLION

3. 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.

4. CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT CENTER LINE OF STREET ADJACENT TO FIRE HYDRANT AS REQUIRED IN ORDINANCE #3944 TO IDENTIFY THE FIRE HYDRANT LOCATIONS.

5. CALL THE LAS VEGAS FIRE DEPARTMENT AT 229-2071 FOR UNDERGROUND INSPECTION, PRESSURE, AND FLUSH VERIFICATION OF ALL FIRE HYDRANTS AND FIRE LINES BEFORE COVERING.

6. PAINTING OF THE CURBS AND HYDRANTS AND ANY WORK NECESSARY FOR PROTECTION OF HYDRANTS FROM PHYSICAL DAMAGE PER ORDINANCE #3944 SHALL BE COMPLETED BEFORE APPROVAL BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.

7. 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.

8. PRIVATE FIRE HYDRANTS SHALL BE PAINTED RED.

9. A FLOW TEST MUST BE WITNESSED BY THE FIRE DEPARTMENT PRIOR TO OCCUPANCY FOR VERIFICATION OF REQUIRED ON-SITE WATER SUPPLY.

10. ALL ON-SITE FIRE MAIN MATERIAL MUST BE U.L. LISTED AND A.W.W.A. APPROVED.

11. FIRE HYDRANT SPACING:
RESIDENTIAL – 500 FEET UNSPRINKLERED; 1,000 FEET SPRINKLERED
COMMERCIAL, INCLUDING MULTI-FAMILY – 300 FEET UNSPRINKLERED; 600 FEET SPRINKLERED.

12. WHERE NEW WATER MAINS ARE EXTENDED ALONG STREETS, WHERE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF STRUCTURES, FIRE HYDRANTS SHALL BE SPACED AT MAXIMUM 1,000 FOOT SPACING TO PROVIDE FOR TRANSPORTATION HAZARDS.

13. 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.

14. NO FIRE HYDRANT SHALL BE LOCATED WITHIN 6 FEET OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREET LIGHT OR ANY OTHER OBSTRUCTION.

15. TWO SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE ARE FOUR (4) OR MORE FIRE HYDRANTS INSTALLED ON A SINGLE SYSTEM.

16. NOT MORE THAN TWO (2) HYDRANTS CAN BE OUT OF SERVICE DUE TO A SINGLE MAIN BREAK.

17. 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 NOT BE LESS THAN 13 FEET 6 INCHES.

18. THE TURNING RADIUS FOR ANY FIRE APPARATUS ACCESS ROAD AND/OR FIRE LANE, PUBLIC OR PRIVATE, SHALL NOT BE LESS THAN 45 FEET OUTSIDE RADIUS AND 22 FEET INSIDE RADIUS.

19. 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 UFC 94, SECTION 902.2)

20. 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 #3944.

21. 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. SIGN 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.

22. 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.

GENERAL GRADING AND DRAINAGE NOTES

1. ALL DESIGN ELEVATIONS ARE TO THE ROUGH GRADE ELEVATION, AND ARE 0.30' LOW TO ALLOW FOR LANDSCAPING, WHERE APPLICABLE.

2. ALL FINAL GRADE ELEVATIONS ON THE OUTSIDE OF BUILDINGS SHALL BE A MINIMUM OF 6" LOWER THAN THE ESTABLISHED FINISH FLOOR ELEVATION, EXCEPT AT THE ENTRANCE OF THE BUILDING.

3. THE CONTRACTOR SHALL VERIFY ALL ASPECTS OF THESE PLANS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORK.

4. ANY QUANTITIES SHOWN HEREON ARE FOR ESTIMATING ONLY AND ARE NOT TO BE USED FOR BIDDING.

5. THE CONTRACTOR SHALL FURNISH TO THE ENGINEER AS-BUILT DRAWINGS FOR UTILITY SERVICES AND HOOK-UPS.

6. REFER TO THE IMPROVEMENT PLANS FOR STREET SECTIONS, DETAILS, AND NEW UTILITY LOCATIONS.

7. ALL GRADING SHALL CONFORM TO THE SOILS REPORT PER GEOSOILS, INC
DECEMBER 8, 1995 W.O. 432-LV

8. ALL FINISH FLOOR ELEVATIONS TO BE 8" (0.67') ABOVE PAD ELEVATIONS. (SEE TYPICAL LOT DRAINAGE DETAIL), UNLESS OTHERWISE NOTED.

CONVERSE CONSULTANTS, INC.
"PRELIMINARY GEOTECHNICAL SITE ASSESMENT AND FISSURE AND SUBSIDENCE HAZARD STUDY"
CCSW PROJECT #92-33325-01
SEPTEMBER 28, 1992

9. ALL WORK PERFORMED WITHIN THE PUBLIC RIGHT-OF-WAY AND OUTSIDE THE PROJECT BOUNDARY SHALL BE PERFORMED UNDER A SEPARATE ENCROACHMENT PERMIT ISSUED BY THE CONTROLLING AUTHORITY.

10. ALL WORK PERFORMED OUTSIDE THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENT HAS BEEN OBTAINED FROM THE PROPERTY OWNER.

11. ALL WORK AND MATERIALS NOT IN ACCORDANCE WITH THE LATEST "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA" IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

12. A GRADING PERMIT IS REQUIRED.

13. A SEPARATE PERMIT IS REQUIRED FOR ANY OFF-SITE CONSTRUCTION.

14. AS-BUILT FINISH FLOOR ELEVATIONS SHALL BE CERTIFIED BY:
RHODES ENGINEERING SERVICES
4630 SOUTH ARVILLE, SUITE A
LAS VEGAS, NEVADA 89103
(702)873-5338

L.V.V.W.D. GENERAL NOTES

1. 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 L.V.V.W.D. 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.

2. ALL WORK SHALL CONFORM TO THE LVVWD'S STANDARD PLATES, 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 OR EDITION OF THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA."

4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY LVVWD.

5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.

6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.

7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY, AND CURB GUTTERS.

8. 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 OR 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 (4) INCH CONCRETE (MINIMUM)
C. SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.

EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER OF THE MAIN, A MINIMUM 10 FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.

9. 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."

10. 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.

11. 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.

12. CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 P.M. AND 6 A.M., SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED, WITHOUT LVVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVVWD APPROVAL.

13. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE LISTED ON THE LVVWD'S "PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES", LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

C.L.V. STREET AND TRAFFIC NOTES

1. STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.

2. 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 IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.

3. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK 1985" AND TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

4. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.

5. THE DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE, UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARDS.

6. IF A PROPOSED STREET LIGHT STANDARD IS FIELD LOCATED TO WITHIN FIVE (5) FEET OF ANY SIGN SHOWN HEREON TO BE MOUNTED ON A SIGNPOST, THEN CHANGE SIGN MOUNTING TO ONE ON THE STREET LIGHT STANDARD.

7. 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 HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.

8. STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.

9. THE CONTRACTOR SHALL PROVIDE BARRICADES, SIGNS, FLASHERS, OTHER EQUIPMENT AND FLAGPERSONS NECESSARY TO INSURE THE SAFETY OF WORKERS AND VISITORS.

10. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPIDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.

11. ALL CONDUIT TO HAVE PULL STRINGS.

12. AN AS-BUILT, TO BE SUPPLIED PRIOR TO INSPECTION, DRAWING WILL NEED TO BE SUPPLIED TO THE TRAFFIC/ELECTRICAL FIELD OPERATIONS DIVISION PRIOR TO ANY INSPECTION.

13. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR 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 FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT, AS DETERMINED BY THE TRAFFIC ENGINEERING DIVISION.

14. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 229-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.

C.L.V. STREET LIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS, EXCEPT AS NOTED ON THE STREET LIGHTING PLANS, SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY, NEVADA", LATEST REVISION.

2. SERVICE POINT SHALL BE DESIGNATED BY NEVADA POWER COMPANY AND, WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT.

3. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS, IF REQUIRED.

4. IT SHALL BE ASSUMED THAT, IN THE ABSENCE OF AN EXISTING, WORKABLE CIRCUIT ON WHICH TO ATTACH, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.

5. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED BEFORE THE INSTALLATION OF POLE BASES. THIS SHALL BE DONE AT NO EXPENSE TO THE CITY OF LAS VEGAS.

6. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC. SHALL LEAVE A MINIMUM CLEARANCE OF 18" TO THE CENTER OF THE STREET LIGHTING POLE ON ALL SIDES, AND SHALL AT NO TIME COMPLETELY ENCLOSE THE STREET LIGHTING POLE.

7. ALL EXISTING STREET LIGHTING TO REMAIN OPERATIONAL.

8. ALL WIRELESS CONDUIT SHALL HAVE PULL STRINGS INSTALLED.

9. AN AS-BUILT TO BE SUPPLIED PRIOR TO INSPECTION DRAWING WILL NEED TO BE SUPPLIED TO THE TRAFFIC/ELECTRICAL FIELD OPERATIONS DIVISION PRIOR TO ANY INSPECTION.

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
ACP	ASBESTOS CEMENT PIPE
ADJ	ADJUST, ADJUSTABLE
BC	BEGINNING OF CURB OR BACK OF CURB
BCR	BEGINNING OF CURB RETURN OR BACK OF CURB RADIUS
BDRY	BOUNDARY
BEG	BEGIN
BM	BENCHMARK
BSW	BENCH OF SIDEWALK
BVC	BEGINNING OF VERTICAL CURB
C & G	CURB AND GUTTER
CF	CURB FACE
CIP	CAST IRON PIPE
℄	CENTERLINE
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CONST	CONSTRUCT, CONSTRUCTION
DC	DEPRESSED CURB
DI	DROP INLET
DIA	DIAMETER
DG	DESIGN GRADE
DIP	DUCTILE IRON PIPE
DMH	DROP MANHOLE
EC	END OF CURVE
ECR	END OF CURB RETURN
EL	ELEVATION
EP	EDGE OF PAVING
EVC	EDGE OF VERTICAL CURVE
EXIST	EXISTING
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
G	GAS
GB	GRADE BREAK
HT	HEIGHT
HOR	HORIZONTAL
HP	HIGH POINT
ID	INSIDE DIAMETER
INV	INVERT
LAT	LATERAL
LF	LINEAL FEET
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE

MIN	MINIMUM
NO	NUMBER
OC	ON CENTER
OD	OUTSIDE DIAMETER
P	POWER
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVE
PG	PAD GRADE
PHP	PLASTIC HIGH PRESSURE
PI	POINT OF INTERSECTION
ℙ	PROPERTY LINE
PP	POWER POLE
PRC	POINT OF REVERSE CURB
PROP	PROPOSED
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE PIPE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
Q	DISCHARGE
RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
RT	RIGHT
R/W	RIGHT OF WAY
S	SOUTH , SANITARY SEWER
SD	STORM DRAIN
SHP	STEEL HIGH PRESSURE
SHT	SHEET
SP MH	SPECIAL MANHOLE
STA	STATION
STD	STANDARD
STL	STEEL
ST LT	STREET LIGHT
SW	SIDEWALK
T	TANGENT DISTANCE
TEL	TELEPHONE
TC	TOP OF CURB
TOC	TOP OF CONCRETE
TMH	TOP OF MANHOLE
TW	TOP OF WALL
TRANS	TRANSITION
TSC	TRAFFIC SIGNAL CONDUIT
TSW	TOP OF SIDEWALK
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VG	VALLEY GUTTER
W	WEST , WATER
DWG	DRAWING
CMU	CONCRETE MASONARY UNIT
CLV	CITY OF LAS VEGAS
H.P.S.	HIGH PRESSURE SODIUM
EX.	EXISTING
DIST.	DISTANCE

LEGEND

- -----W----- EXISTING WATER LINE
- —8"W— PROPOSED WATER LINE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT ASSY
- GATE VALVE
- -----S----- EXISTING SEWER LINE
- —8"SS— PROPOSED SEWER LINE
- PROPOSED SEWER LATERAL
- EXISTING SEWER MANHOLE
- PROPOSED SEWER MANHOLE
- PROPOSED CONDUIT
- EXISTING CONDUIT
- 100W HPS LUMINAIRE
- 250W HPS LUMINAIRE
- * CONCRETE DRIVEWAY LOCATION
- P.B. PROPOSED NO. 3-1/2 CONC. PULL BOX
- WATER METER LOCATION
- CONC. MASONRY SCREEN WALL
- CONC. MASONRY RETAINING WALL
- SURVEY MONUMENT
- (A) BLOCK NUMBER
- EASEMENT BOUNDARIES.

AN EASEMENT IN FAVOR OF
LAS VEGAS VALLEY WATER DISTRICT
A QUASI-MUNICIPAL CORPORATION
FOR PIPELINES.
RECORDED : ____________________
DOCUMENT No : __________ OFFICIAL RECORDS.

CONSTRUCTION NOTES

1. CONST. 2" MIN. AC OVER 4" TYPE II AB OVER 6" TYPE I AB
2. CONST. 30" ROLL TYPE CURB AND GUTTER PER STD. DWG. NO. 217A
3. CONST. 24" "L" TYPE CURB AND GUTTER PER STD. DWG. NO. 216
4. CONST. 5" CONC SIDEWALK PER STD DWG. NO. 234
5. CONST. SIDE WALK RAMP PER STD. DWG. NO. 235, CASE III
6. CONST. CONC. CROSS GUTTER PER STD DWG NO 228
7. INSTALL 100W H.P.S. STREET LIGHT PER STD. DWG. NO. 309 & 319
10. INSTALL 1 1/4" PVC STREET LIGHT CONDUIT
12. TRANSITION FROM 24" "L" TYPE CURB TO 30" ROLL TYPE CURB (DIST. 10')
13. CONST. CMU WALL (PER CLV STANDARDS)
14. CONST. CMU RETAINING WALL (PER CLV STANDARDS)
20. INSTALL 48" DIA. TYPE I MANHOLE PER STD. DWG. NO. 403
21. INSTALL 8" DIA. PVC SDR-35 SEWER MAIN
24. REMOVE EXISTING CAP AND CONNECT TO EX.
25. INSTALL BACK WATER VALVE PER UDS SD-29
30. INSTALL 8" WATER LINE
31. INSTALL FIRE HYDRANT ASSY PER UDS PLATE NO. 7
33. INSTALL 6"X8" REDUCER
39. INSTALL 8"X8" TEE MECHANICAL JIONT AND TAPPING SLEEVE AND VALVE
40. INSTALL 11 1/4° BENDS

BASIS OF BEARINGS

BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 16, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN BY MAP THEREOF ON FILE, IN BOOK 74 PAGE 01 OF PLATS, IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER.
THE BEARING BEING SOUTH 85°49'40" EAST

BENCHMARK NOTE:

THIS PROJECT IS USING NAVD88 DATUM.
CONTRACTORS SHALL EXERCISE " CAUTION"
WHEN USING ADJACENT APPROVED IMPROVEMENT
DRAWINGS FOR REFERENCE

PROJECT BENCHMARK NAVD88

LOCATION AND DESCRIPTION	NAVD88 DATUM=
NAVD88 NO.6 STATION 1LV9016N4 1-1/2" BRASS TAG ON IRON PIPE, RLS 1552 AT GRAND TETON DRIVE AND CIMARRON ROAD	2477.43 FT 755.1215m

NOTICE TO CONTRACTOR!

EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. (SEE BENCHMARK NOTE)

Avoid cutting underground utility lines. It's costly.
Call before you Dig
1-800-227-2600

NO.	DATE	BY	APPVD	REVISION DESCRIPTION

RICHARD T. CHAMBERS CIVIL No. 4706 — STATE OF NEVADA — PROFESSIONAL ENGINEER

RHODES ENGINEERING SERVICES
LAND PLANNING • ENGINEERING • SURVEYING
4630 SOUTH ARVILLE, SUITE A
LAS VEGAS, NEVADA 89103
(702) 873-5338

TITLE: EAGLE HEIGHTS AT ELKHORN SPRINGS
PROJECT: GENERAL NOTES

JOB NO:
DWG NO:
SCALE: NONE
DATE: 7/8/97
DESIGN BY: MPB
SHT NO.: C3
3 OF 15 SHEETS

97-015
6961
1079-4533

L:\sdskproj\ELKHORN\DWG\EGLENOTE Tue Oct 14 14:23:53 1997 MICHAEL

GENERAL NOTES

C.L.V. SEWER NOTES

C.L.V. FIRE DEPARTMENT NOTES

GENERAL GRADING AND DRAINAGE NOTES

L.V.W.D. GENERAL NOTES

C.L.V. STREET AND TRAFFIC NOTES

C.L.V. STREET LIGHT NOTES

LEGEND

ABBREVIATIONS

CONSTRUCTION NOTES

BASIS OF BEARINGS

BENCHMARK NOTE

PROJECT BENCHMARK NAVD88

LOCATION AND DESCRIPTION	ELEVATION DATUM
	3977.43 FT NAVD88

NOTICE TO CONTRACTOR

Call before you Dig 1-800-227-2600

EAGLE HEIGHTS AT ELKHORN SPRINGS

GENERAL NOTES

C3

1077.2135