

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

Avoid cutting underground utility lines. It's costly.
Call before you Overhead
 1-702-593-6111

WATER CONSTRUCTION NOTES

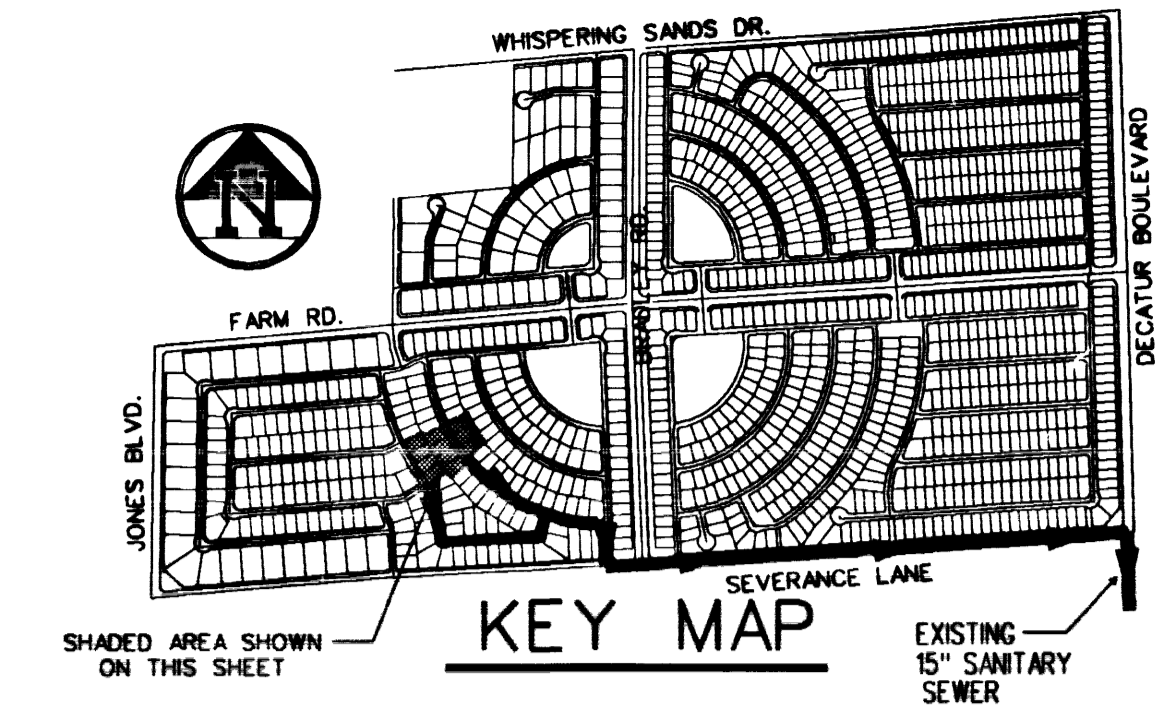
- ① INSTALL 8" PVC WATER LINE
- ② INSTALL 10" PVC WATER LINE
- ③ INSTALL FIRE HYDRANT ASSEMBLY PER UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDS) PLATE NO. 7, AND THE LOCATION SHALL BE DETERMINED BY CLARK COUNTY AREA STD. DWG. 516 VALVES SHALL NOT BE LOCATED IN STREET VALLEY GUTTERS OR WITHIN PROPOSED CURB & GUTTER LOCATIONS.
- ④ INSTALL 8" TEE
- ⑤ INSTALL 8" - 90° ELBOW
- ⑥ INSTALL 8" GATE VALVE. VALVES SHALL NOT BE LOCATED IN STREET VALLEY GUTTERS OR WITHIN THE PROPOSED CURB & GUTTER LOCATIONS.
- ⑦ INSTALL 8" - 45° BEND
- ⑧ INSTALL 8" - 22.5° BEND
- ⑨ INSTALL 8" - 11.25° BEND
- ⑩ INSTALL 12" X 8" X 8" TEE
- ⑪ INSTALL 10" X 8" X 8" TEE
- ⑫ INSTALL 12" WATER LINE
- ⑬ 8" CAP W/ 2" BLOWOFF ASSEMBLY (PER U.D.A.C.S. STD. PLATE NO. 4)
- ⑭ 3/4" WATER METER W/1" SERVICE LATERAL (PER U.D.A.C.S. STD. PLATE NO. 1B)
- ⑮ INSTALL 8" X 8" X 6" TEE
- ⑯ 3/4" WATER METER W/1" SERVICE LATERAL (PER U.D.A.C.S. STD. PLATE NO. 1D)
- PRV INDIVIDUAL PRESSURE REDUCING VALVE ALL LOTS

SEWER CONSTRUCTION NOTES

- ① INSTALL 8" SEWER MAIN TRENCH SECTION BACKFILL PER D.C.S.W.C.S. NO. 50-16
- ② INSTALL 48" SANITARY SEWER MANHOLE PER DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS PLATE SD-1
- ③ REMOVE CAP & CONNECT TO EX. 8" STUB
- ④ INSTALL 4" SEWER LATERAL W/ 4" WYE. LOCATION PER TYPICAL LOT DETAIL "A" ON SHEET D1 UNLESS NOTED OTHERWISE
- ⑤ INSTALL 8" CAP
- ⑥ INSTALL 4" SEWER LATERAL W/ 4" WYE. LOCATION PER TYPICAL LOT DETAIL "B" ON SHEET D1 UNLESS NOTED OTHERWISE
- BWV BACK WATER VALVE

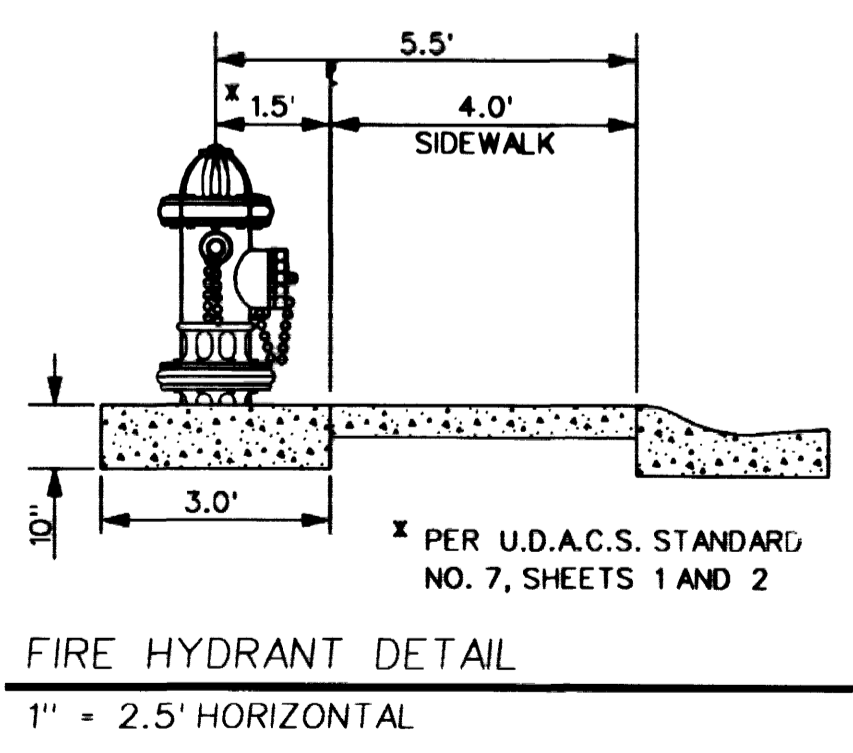
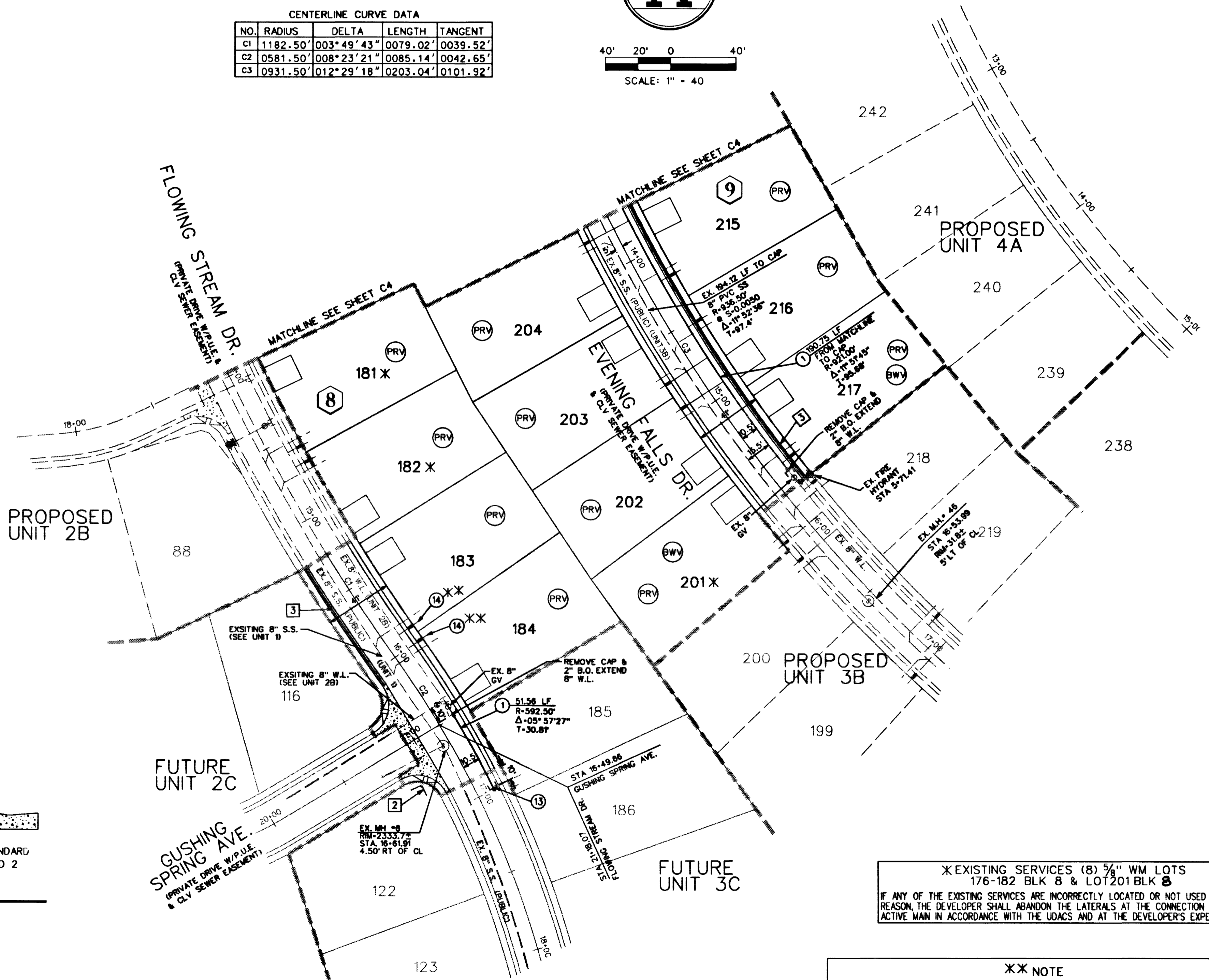
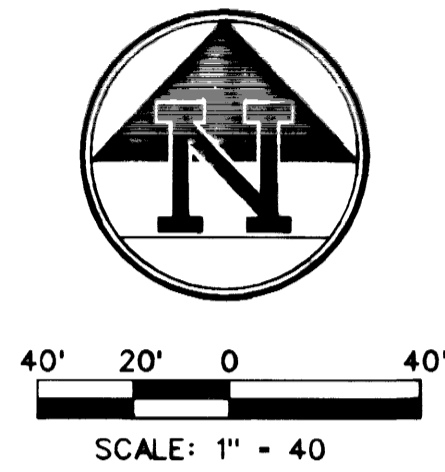
BASIS OF BEARING
 BEING THE NORTH LINE OF THE LOT 63, AS IT IS SHOWN ON THE RECORD OF SURVEY IN FILE 52, OF SURVEYS, PAGE 70, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA, WHICH BEARS: SOUTH 85°04'37" WEST.

BENCHMARK
 BEING THE CITY OF NORTH LAS VEGAS BM #51818 (LV90-13E4), 50' WEST OF BLM BRASS CAP @ DECATUR BLVD. & FARM ROAD. ELEVATION = 707.9639 METERS = 2,322.71 FEET (N.A.V.D. 1988) (ELEVATION BASED ON CITY OF LAS VEGAS VERTICAL DATUM)



CENTERLINE CURVE DATA

NO.	RADIUS	DELTA	LENGTH	TANGENT
C1	1182.50'	003°49'43"	0079.02'	0039.52'
C2	0581.50'	008°23'21"	0085.14'	0042.65'
C3	0931.50'	012°29'18"	0203.04'	0101.92'



CONSTRUCTION NOTE
 ALL EXISTING UTILITY STRUCTURES WITHIN CONSTRUCTION AREA SHALL BE ADJUSTED TO MATCH FINISH GRADE (E.g. W.V. BOX, WMH, ANNODE BOX, FH, TEL. BOX, ETC.)

NOTE
 ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.
 CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

SIGNAGE NOTES

- INSTALL 30" X 30" R1-1 (STOP SIGN) UNLESS NOTED OTHERWISE
- INSTALL STREET NAME SIGN PER CLARK COUNTY AREA STANDARD DWG NO. 250
- PAINT CURBING RED FOR FIRE ACCESS LANE

SEWER CONTRIBUTIONS
 AVERAGE FLOW:0.008 MGD
 PEAK FLOW:0.026 MGD

LAS VEGAS FIRE DEPARTMENT
 FIRE FLOW IS 1500 GPM AT 20 PSI RESIDUAL PRESSURE.
 BASED ON:
 SQUARE FOOTAGE:3,600 S.F. (MAX)
 BUILDING HEIGHT:24' (MAX)
 NUMBER OF STORES:2 (MAX)
 OCCUPANCY:SINGLE FAMILY
 FULL AUTOMATIC FIRE SPRINKLERS: NO
 APPROVED BY: *[Signature]*
 DATE: 11/23/97

THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 P.S.I. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 P.S.I. PRVs ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.

SEWER CONNECTION NOTE
 A SEGMENT OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED AND/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO THE COMPLETION AND/OR ACCEPTANCE OF THE DOWNSTREAM SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT INTO THE DOWNSTREAM SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE OR UNTIL SUCH TIME AS THEY HAVE BEEN DEEMED AVAILABLE FOR SERVICE.

FIRE DEPARTMENT APPROVAL
 APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVVWD.

APPROVED FOR CONSTRUCTION
[Signature] 9/17/00
 LAS VEGAS VALLEY WATER DISTRICT DATE

*EXISTING SERVICES (8) 3/4" WM LOTS 176-182 BLK 8 & LOT 201 BLK 8
 IF ANY OF THE EXISTING SERVICES ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON, THE DEVELOPER SHALL ABANDON THE LATERALS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE UDACS AND AT THE DEVELOPER'S EXPENSE.

**** NOTE**
 SERVICE LATERALS FOR LOTS 183 & 184 OF BLK 8 AND LOT 175 OF BLK 7 WILL BE TAPPED ON EXISTING MAIN BY OWNER'S CONTRACTOR UNDER DIRECTION OF THE LVVWD.

Aug. 11, 1999
 1817.01
 n:\98902203\land\unit4b\140802.dwg
THE GATES, L.L.C.
 7201 WEST LAKE MEAD BOULEVARD
 LAS VEGAS, NEVADA 89128

UTILITY PLAN
LYNBROOK
UNIT 4B

DRAWN BY: CA/ED/RS
 DESIGNED BY: GB/GA/ED/FT
 CHECKED BY: MPV
 PROJECT NO.:

SCALE:
 SHEET
 TITLE
 SEAL
 PROFESSIONAL ENGINEER - STATE OF NEVADA
 MICHAEL J. WINAND
 No. 12631
 9/21/99

SHEET
C5
 5 OF 10 SHEETS
 CLV DRAWING NO.
 1077-4576-4B