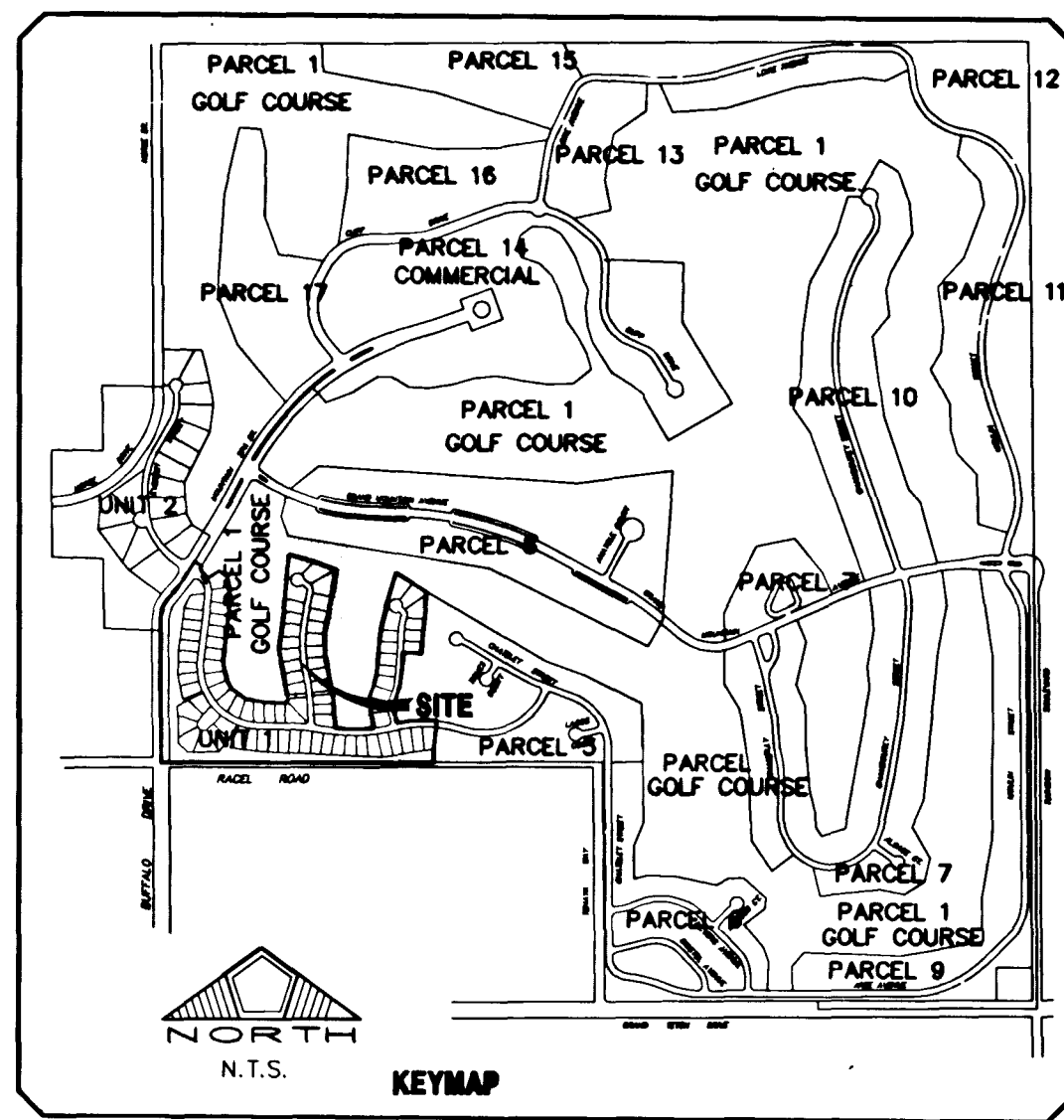


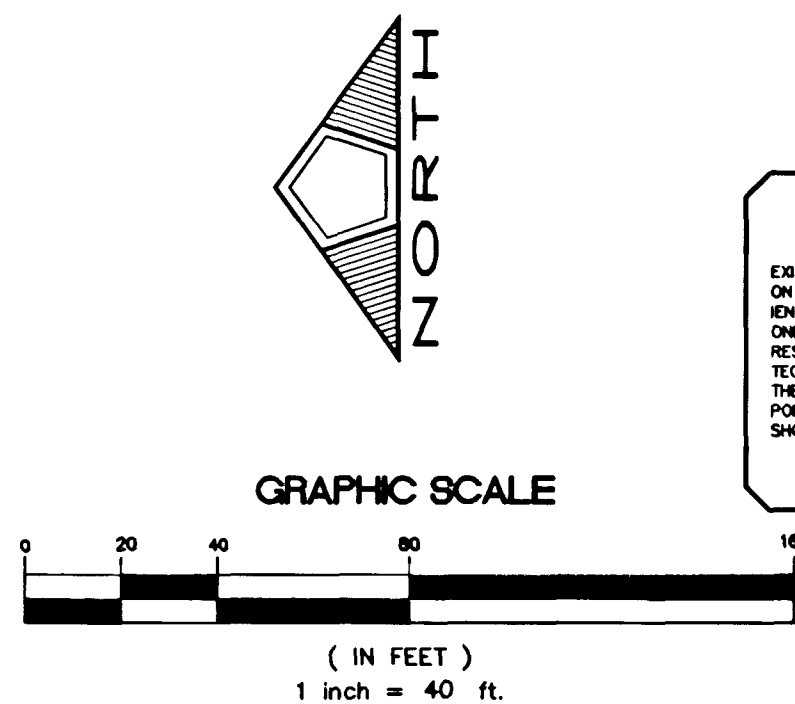


- LEGEND**
- EXISTING IMPROVEMENTS
 - EXISTING BLOCK WALL
 - BLOCK RETAINING WALL
 - PROPOSED BLOCK WALL
 - INDEX CONTOUR
 - INTERMEDIATE CONTOUR
 - SCARP
 - SWALE
 - LOT NUMBER
 - FG FINISH GRADE
 - FL FLOW LINE
 - FF FINISH FLOOR
 - TC TOP OF CURB
 - PAD GRADE

99.9

SIGHT VISIBILITY RESTRICTION EASEMENT 30' MAX. OBSTRUCTIONS HEIGHT

NOTE: ALL DAYLIGHT SCARPING TO MEET GOLF COURSE GRADES ARE SHOWN FOR NATURAL CONDITIONS, PRIOR TO GOLF COURSE GRADING. PRECISE EXTENT OF SCARPING REQUIRED, IF ANY, WILL DEPEND UPON THE EXTENT OF GOLF COURSE GRADING COMPLETED AT THE TIME GRADING FOR UNIT 1 BEGINS.



NOTICE: EXISTING UTILITIES ARE SHOWN ON PLANS FOR THE CONVI- DENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE PRO- TECTION OF ALL UTILITIES. THE ENGINEER BEARS NO RES- PONSIBILITY FOR UTILITIES NOT SHOWN OR SHOWN INCORRECTLY.

BEFORE YOU Dig

1-800-227-2600 UNDERGROUND SERVICE LOCAT

APPROVAL NOTE

I CERTIFY THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY FOR THIS PROJECT ON FILE AT THE CITY OF LAS VEGAS.

SAMIR F. ALHWAYEK PE #10502

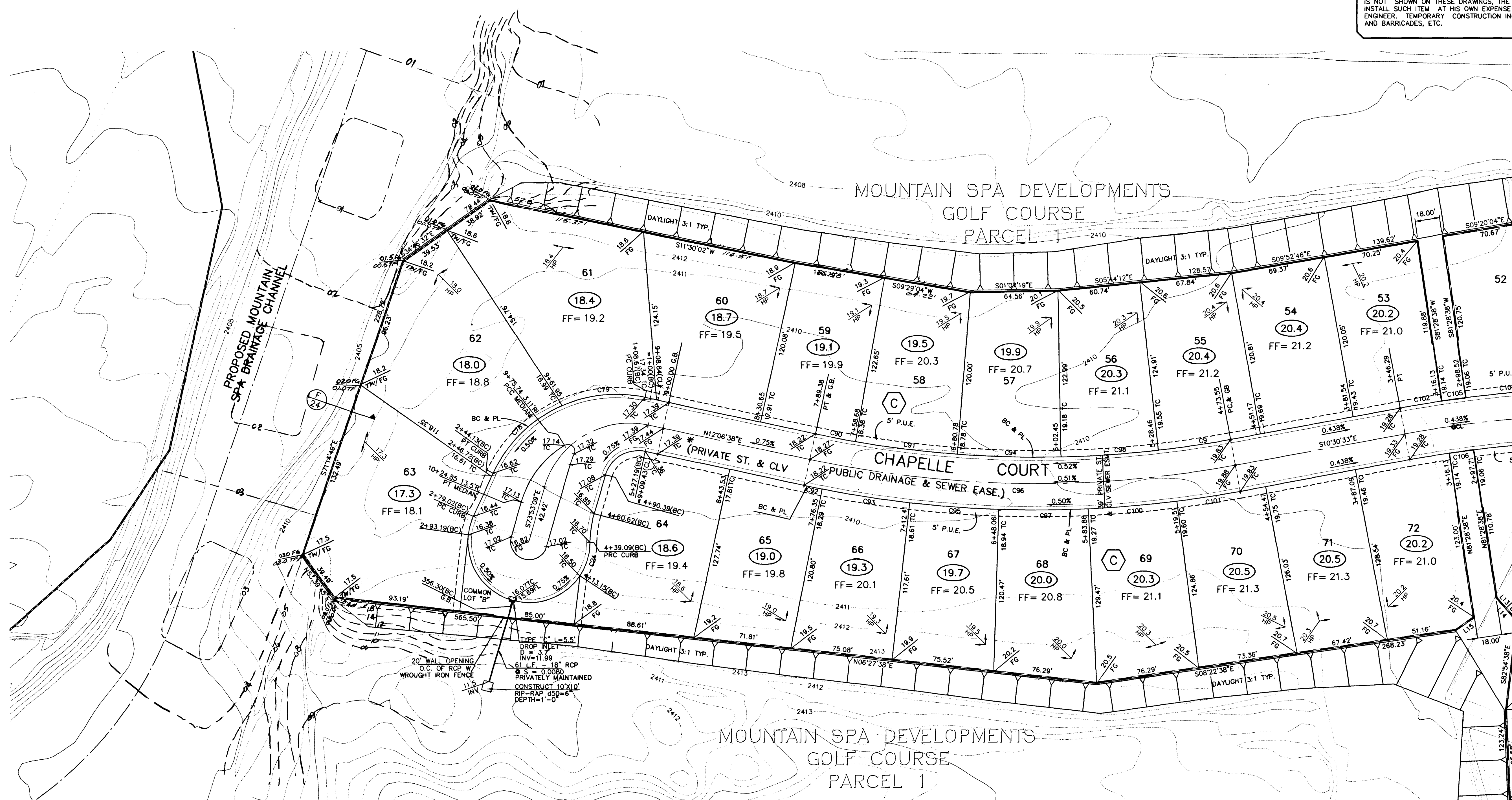
1-26-99

DATE:

NOTE: ALL PRIVATE STREETS W/PUE, CLV, DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED, & CLV SEWER EASEMENT.

- CITY OF LAS VEGAS GRADING NOTES**
- IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER 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 OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
 - CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. 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.
 - 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 STORM WATER 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. P.V.M. AREA SBORD	0.1'±	+0.0' TO -0.1' AS INDICATED ON PLAN
B. ENGINEERED FILL	0.5'±	+0.1' TO -0.1' MINIMUM OF 90% OR AS SHOWN ON PLANS
 - COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENT- ATIVE AND COPIES OF TEST RESULTS WILL BE PROVIDED BY THE CITY.
 - 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 STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-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.
 - IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.
- 1/98



MATCH LINE - SEE SHEET 23

MOUNTAIN SPA RESIDENTIAL DEVELOPMENT, LLC.
2810 WEST CHARLESTON BLVD., SUITE F-58
LAS VEGAS, NV. 89102
(702)870-1234

PENTACORE
CIVIL ENGINEERING - LAND SURVEYING - PLANNING
CONSTRUCTION MANAGEMENT - ADJ. CONSULTING
LAS VEGAS, NEVADA 89102 (702)398-0015

GRADING PLAN - 2

MOUNTAIN SPA
UNIT NO. 1

DATE: JULY '98
DRAWN BY: LENNARD
DESIGNED BY:
CHECKED BY:
ADA CHECKED: 0158.0001
JOB NO.: 0158.0001
SCALE: 1" = 40'

PROFESSIONAL ENGINEER - STATE OF NEVADA
SAMIR F. ALHWAYEK
1-26-99
CIVIL
No. 10502

SHEET
21 OF 29
C.L.V. DWG.#

107Y-4344-1

