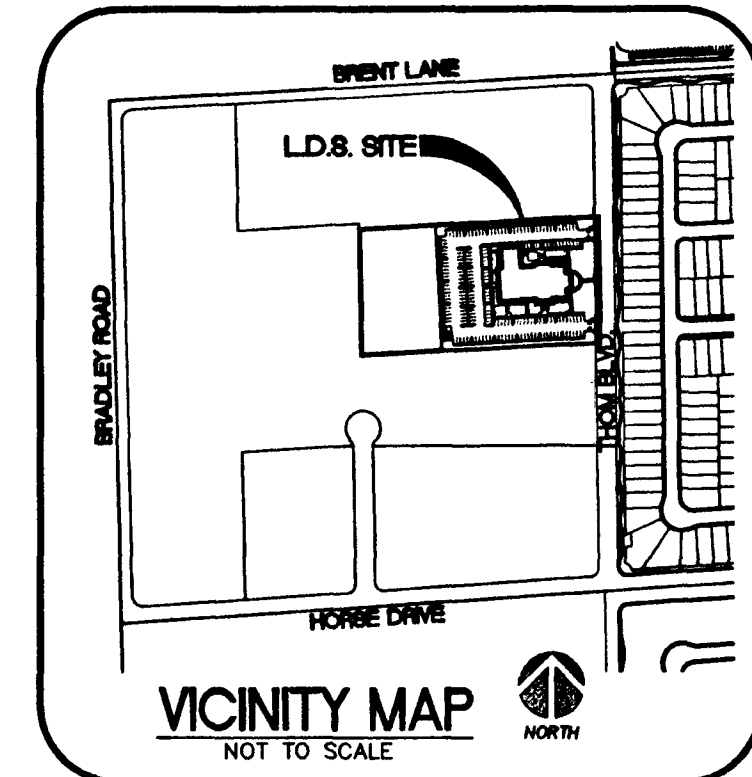
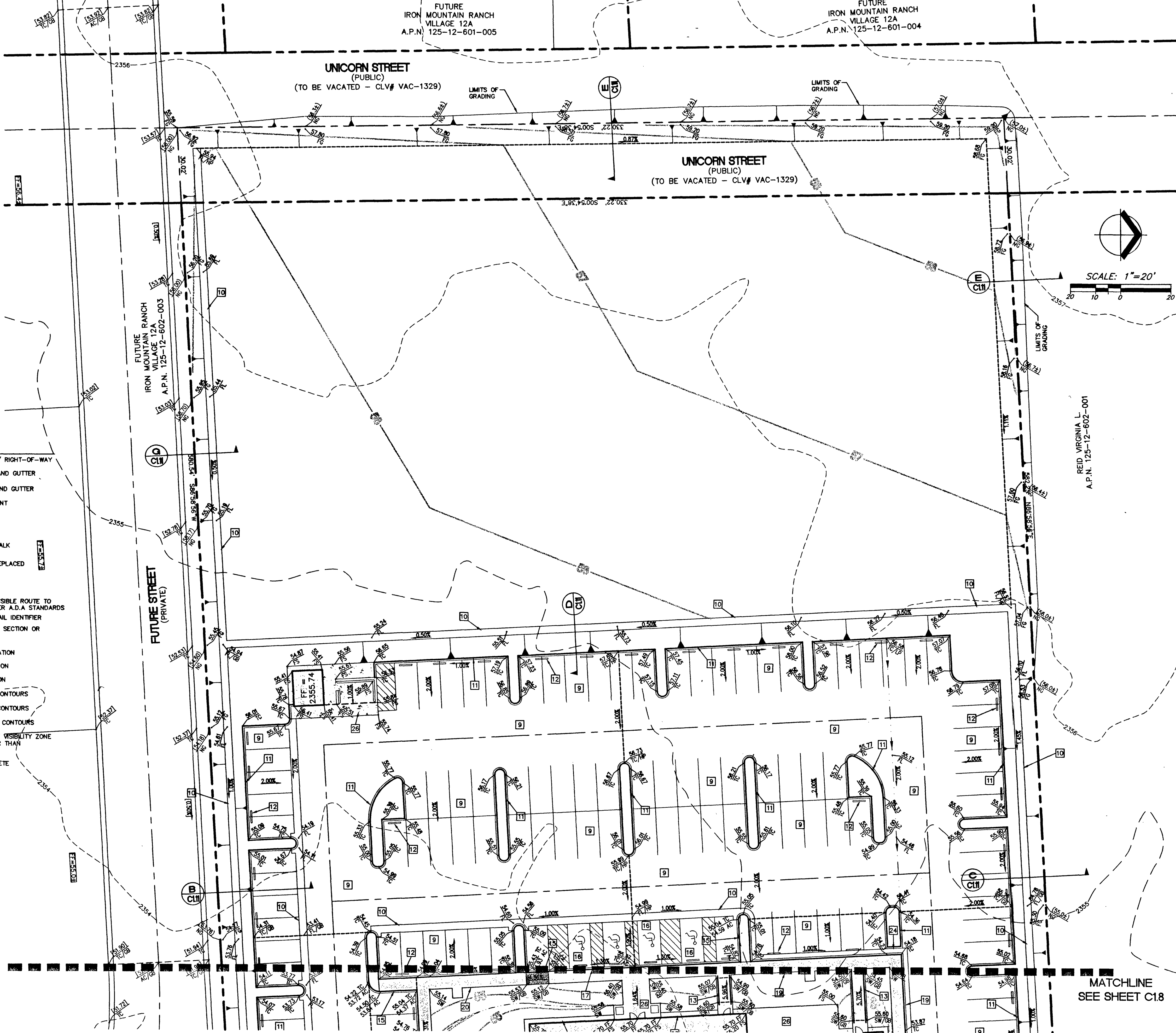




- CONSTRUCTION NOTES**
1. CONSTRUCT TYPE 'L' CURB AND GUTTER PER STD. DWG. NO. 216. IT WILL HAVE TO BE HAND FORMED, NOT MACHINE FORMED.
 2. CONSTRUCT 5' SIDEWALK PER STD. DWG. NO. 234
 3. CONSTRUCT SIDEWALK UNDER DRAIN PER STD. DWG. NO. 236
 4. CONSTRUCT HANDICAP RAMPS PER STD. DWG. 235, CASE I, SEE RAMP TABLE ON THIS SHEET FOR 'A' & 'B' TRANSITION LENGTHS
 5. CONSTRUCT 8' CROSS GUTTER PER STD. DWG. NO. 228
 6. SIGHT VISIBILITY ZONES AT ENTRANCE PER STD. DWG. NO. 201.2
 7. CONSTRUCT FULL HALF PUBLIC STREET SECTION PER DETAIL 'A' ON SHEET C1.11 AND 50' LONG PAVEMENT APRON EXTENDING BEYOND NORTH AND SOUTH PROPERTY LINE
 8. NOT USED
 9. CONSTRUCT 3" A.C. PAVEMENT OVER 6" TYPE II AGGREGATE BASE IN PARKING LOT PER DETAIL 'Y' ON SHEET C1.12
 10. CONSTRUCT 3" VALLEY GUTTER PER DETAIL 'Q' ON SHEET C1.12
 11. CONSTRUCT ON-SITE 'A' CURB PER DETAIL 'T' ON SHEET C1.12
 12. INSTALL PRECAST BUMPER BLOCK PER STD. DWG. NO. 238
 13. CONSTRUCT HANDICAP ACCESS RAMP WITH HAND RAILS PER A.D.A. STANDARD 4.8
 14. CONSTRUCT ACCESS STAIR TYPICAL 6" RISE (7" MAX. AND 4" MIN. RISE), 2-1/2' DEPTH, WITH HAND RAILS PER A.D.A. STANDARD 4.9
 15. CONSTRUCT MODIFIED TYPE 'A' CURB TRANSITION PER DETAIL 'U' ON SHEET C1.12
 16. TYPICAL HANDICAP PARKING STALL LAYOUT PER DETAIL 'W' ON SHEET C1.12
 17. CONSTRUCT DEPRESSED TYPE 'A' CURB PER DETAIL 'U' ON SHEET C1.12
 18. NOT USED
 19. CONSTRUCT SIDEWALK - CURB AND GUTTER DETAIL PER DETAIL 'M' ON SHEET C1.12
 20. CONSTRUCT SIDEWALK - CURB DETAIL PER DETAIL 'N' ON SHEET C1.12
 21. CONSTRUCT ON-SITE 'L' CURB AND GUTTER PER DETAIL 'P' ON SHEET C1.12
 22. CONSTRUCT MOW CURB STRIP PER DETAIL 'S' ON SHEET C1.12
 23. CONSTRUCT MOW CURB STRIP AROUND THE BUILDING PER DETAIL 'R' ON SHEET C1.12
 24. CONSTRUCT ON-SITE FLUME PER DETAIL 'Z' ON SHEET C1.12
 25. INSTALL A 3" PVC STORM DRAIN PIPE UNDER SIDEWALK TO PICK UP NUISANCE FLOWS
 26. CONSTRUCT ON-SITE SIDEWALK AND CONCRETE AREA PER DETAIL 'AA' ON SHEET C1.12
 27. NOT USED
 28. CONSTRUCT A 10' TRANSITION FROM A 2.5' ON-SITE 'L' CURB AND GUTTER TO A 2.0' TYPE 'L' CURB AND GUTTER

- CITY OF LAS VEGAS GRADING NOTES**
1. 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.
 2. 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.
 3. 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.
 4. 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.
 5. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
 6. 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	0.1" +	+0.0 to -0.1" SEE SOILS REPORT SUBGRADE
B. ENGINEERED FILL	0.5" +	+0.1" to -0.1" SEE SOILS REPORT

COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.
 7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
 8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT, ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
 9. THE CONTRACTOR SHALL MAINTAIN THE 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.
 10. 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.

- LEGEND**
- PROPERTY LINE / RIGHT-OF-WAY
 - "L" TYPE CURB AND GUTTER
 - EXISTING CURB AND GUTTER
 - EDGE OF PAVEMENT
 - CROSS GUTTER
 - PROPOSED SIDEWALK
 - REMOVED AND REPLACED
 - FLOOD WALL
 - RETAINING WALL
 - HANDICAP ACCESSIBLE ROUTE TO PUBLIC R.O.W. PER A.D.A. STANDARDS
 - SECTION OR DETAIL IDENTIFIER
 - SHEET ON WHICH SECTION OR DETAIL IS SHOWN
 - PROPOSED ELEVATION
 - EXISTING ELEVATION
 - FUTURE ELEVATION
 - EXISTING 1 FT. CONTOURS
 - EXISTING 5 FT. CONTOURS
 - PROPOSED 1 FT. CONTOURS
 - PROPOSED SIGHT VISIBILITY ZONE (NOTHING HIGHER THAN 30' ALLOWED)
 - AC ASPHALT CONCRETE
 - FF FINISH FLOOR
 - FG FINISHED GRADE
 - FL FLOW LINE
 - FS FINISH SURFACE
 - GB GRADE BREAK
 - HP HIGH POINT
 - TC TOP OF CURB
 - TF TOP OF FOOTER
 - TW TOP OF WALL

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL 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.

Call before you Dig
1-800-277-6860
UNDERGROUND SERVICE (USA)

Call before you Overhead
1-702-227-2929

BASIS OF BEARING:
SOUTH 00°36'51" EAST, BEING THE CENTERLINE OF A PORTION OF THOM BOULEVARD AS SHOWN BY MAP IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER IN FILE 103, PAGE 73 OF PARCEL MAPS.

BENCHMARK:
CITY OF LAS VEGAS STATION BLV90 12C4
RIVET & PLATE IN CONCRETE CYLINDER SE CORNER OF HORSE & BRADLEY.
ELEVATION:
FEET = 2357.81' (NAVD88)
METERS = 718.6631 M (NAVD88)

I CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED TECHNICAL DRAINAGE STUDY FOR THIS SITE ON FILE AT THE CITY OF LAS VEGAS

Michael P. Bailey
MICHAEL P. BAILEY, P.E. #10264
11/2/03
DATE

GARY W. MILLER
624 SOUTH 8TH STREET
LAS VEGAS, NEVADA 89101
(702) 434-8685 FAX (702) 434-9615

W R G
DESIGN INC.
2280 Corporate Circle, Ste 430 Henderson, NV 89014
(702) 980-9300 FAX: (702) 980-9305
PLANNERS + ENGINEERS + LANDSCAPE ARCHITECTS + SURVEYORS

GRADING PLAN
GILCREASE RANCH MEETINGHOUSE
CITY OF LAS VEGAS, CLARK COUNTY, NEVADA

DATE: 08/22/03
DESIGNED: J. COMART
CHECKED: G. BARGULL
ENGINEER: M. BAILEY
SCALE: 1"=20'
HORIZ: NONE
VERT: NONE
MRG PROJECT NO: 3033195.00

MICHAEL P. BAILEY
11/2/03
No. 10264
P.E. CIVIL
STATE OF NEVADA

GRADING PLAN
SHEET NUMBER
C19
SHEET 9 OF 12
CLV DRAWING NO.
107N3867