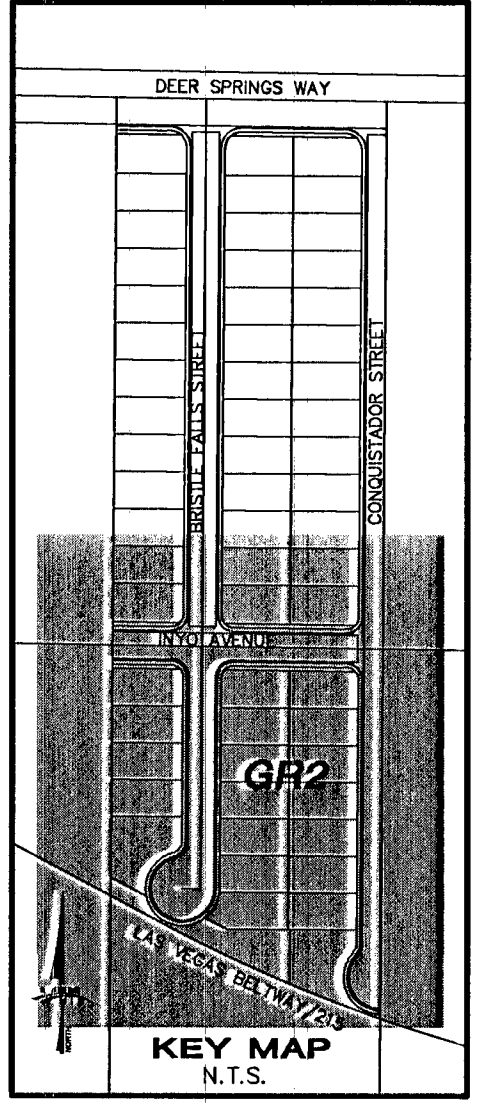
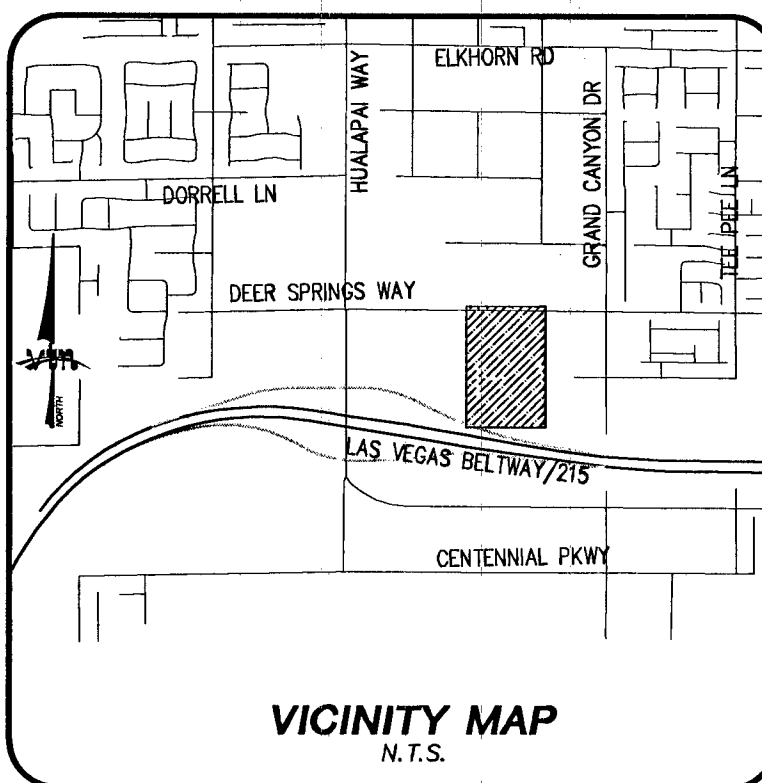
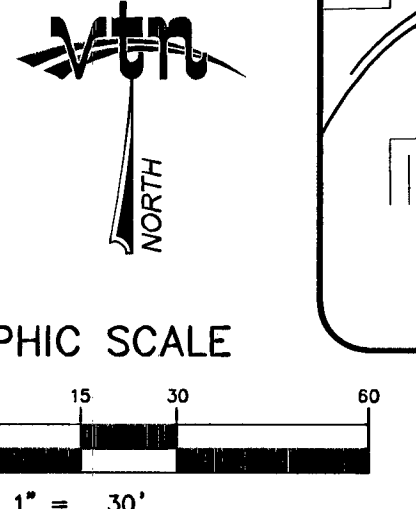


**Call before you Dig**  
 Avoid cutting underground utility lines. It's costly.  
 Call 811  
 CLARK COUNTY TRAFFIC OPERATIONS  
 1-702-433-5300  
 LAS VEGAS AREA COMMUNITY TRAFFIC CENTER

**Call before you Overhead**  
 Avoid overhead power lines. It's costly.  
 Call 1-702-227-2929



**LEGEND**

- FG FINISH GRADE
  - FL FLOW LINE
  - TC TOP OF CURB
  - TRC TOP OF ROLL CURB
  - EAC EDGE OF ASPHALT PAVEMENT
  - FUT FUTURE
  - EXIST EXISTING (EX)
  - VG VALLEY GUTTER
  - NG NATURAL GROUND
  - H.P. HIGH POINT
  - L.P. LOW POINT
  - C/L CENTER LINE
  - O/C OFFSET CROWN
  - BC BACK OF CURB
  - BCR BEGIN CURB RETURN
  - TF TOP OF FOOTING
  - GB GRADE BREAK
  - PC POINT OF CURVATURE
  - PT POINT OF TANGENCY
  - PRC POINT OF REVERSE CURVATURE
  - PCC POINT OF COMPOUND CURVATURE
  - BVC BEGIN VERTICAL CURVE
  - MVC MID-POINT OF VERTICAL CURVE
  - EVC END VERTICAL CURVE
  - PRVC POINT OF REVERSE VERTICAL CURVE
  - VPI VERTICAL POINT OF INTERSECTION
  - TPW TOP OF PLANTER WALL
  - TRW TOP OF RETAINMENT WALL
  - TOP TOP OF CHANNEL/SCARP
  - TOE TOP OF CHANNEL/SCARP
  - TOB TOP OF BOX
  - PP POWER POLE
  - TRANS. TRANSITION
  - RET. RETAINMENT
  - INT. INTERSECTION
  - D.G. DESIGN GRADE
  - T.S.W. TOP OF SIDEWALK
  - FF= FINISH FLOOR
  - GFF= GARAGE FINISH FLOOR
  - EX BFE= EXISTING BASE FLOOD ELEVATION
  - DEV BFE= BASE FLOOD ELEVATION AFTER DEVELOPMENT
  - R/W RIGHT-OF-WAY
  - S/W SIDEWALK
  - EX. CONTOUR(5' INTERVAL)
  - EX. CONTOUR(1' INTERVAL)
  - PROPOSED CONTOUR
- (42.1) PROPOSED PAD GRADE
  - (42.1) FUT./EXIST. PAD GRADE
  - 0.50% SLOPE AND FLOW DIRECTION
  - EDGE OF EXIST. A.C.
  - SAW CUT & MATCH A.C.
  - SIDWALK RAMP
  - PAD SWALE SLOPES
  - SCARP AREA
  - LOT NUMBER
  - BLOCK NUMBER
  - RETAINING HEIGHT (42 = 4.2 FEET)
  - SIGHT VISIBILITY ZONES
  - PROJECT BOUNDARY LINE
  - SETBACK LINE
  - R/W OR P/L
  - EXIST. IMPROVEMENTS
  - FUTURE IMPROVEMENTS
  - CENTER LINE
  - RETAINING WALL
  - EX. RETAINING WALL
  - CONC. BLOCK WALL
  - EXIST. CONC. BLOCK WALL
  - EXIST. DIRT ROAD
  - EXIST. AC
  - CONSTRUCTION PHASE LINE OR UNIT BOUNDARY LINE
  - MATCHLINE

**HC RAMP DATA**

NO.	"A"	"B"	CASE
1	8.0'	8.0'	
2	4.5'	9.5'	
3	4.5'	15'	
4	9.5'	4.5'	
5	12'	4.5'	

**ENGINEER 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 AND OVERHEAD UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES 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.

- CONSTRUCTION NOTES**
- (A) CONSTRUCT "L" TYPE CURB & GUTTER PER STD. DWG. NO. 216.1-S1
  - (B) CONSTRUCT CONCRETE CROSS GUTTER PER STD. DWG. NO. 228
  - (C) CONSTRUCT 5.0' CONCRETE SIDEWALK PER STD. DWG. NO. 234
  - (D) CONSTRUCT WHEEL CHAIR RAMP CASE 1 PER STD. DWG. NO. 235
  - (E) SAWCUT & MATCH EXISTING AC
  - (F) CONSTRUCT PER DETAIL C ON DT1
  - (G) CONSTRUCT 2' SIDEWALK UNDERDRAIN PER STD. DWG. NO. 219
  - (H) CONSTRUCT 6' HIGH WROUGHT IRON FENCE
  - (I) CONSTRUCT DROP INLET STAMP & SIGN PER STD. DWG. NO. 421

**CLARK COUNTY DEPARTMENT OF PUBLIC WORKS DEVELOPMENT REVIEW**  
 Acceptance of plans for filing  
 By: \_\_\_\_\_  
 Acceptance of these plans for filing shall not be construed to be a permit for or an approval of any violation of any of the provisions of the state or county laws and/or specifications. Clark County shall hold the filer from damages which may result from the construction of the improvements from the engineering design depicted herein.  
 NOTE: Power poles and/or other existing facilities not in proper location based on proposed improvements shown hereon will be re-located at no expense to Clark County.

**BASIS OF BEARINGS**  
 GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.  
 LINEAR UNIT: US SURVEY FOOT (FTUS)  
 DATUM (REFERENCE FRAME): NAD 1983 (COORDS 2011) EPOCH 2010  
 SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)  
 ZONE: LAS VEGAS  
 PROJECTION: TRANSVERSE MERCATOR  
 STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N  
 LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W  
 NORTHING AT GRID ORIGIN: 200,000,000 M (656,166,667 FTUS)  
 EASTING AT CENTRAL MERIDIAN: 100,000,000 M (328,083,333 FTUS)  
 SCALE FACTOR ON CENTRAL MERIDIAN: 1.0001 (EXACT)  
 NOTES:  
 1. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION. THE PROJECTION WAS DEFINED SUCH THAT PROJECTED (GRID) DISTANCES ARE EQUIVALENT TO "GROUND" DISTANCES IN THE PROJECT AREA.  
 2. GRID BEARINGS SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARINGS DUE TO MERIDIAN CONVERGENCE.

**FLOOD ZONE NOTE**  
 FLOOD ZONE TYPE: ZONE X  
 PANEL # 1745 MAP # 32003C1745E  
 FEMA EFFECTIVE DATE: SEPTEMBER 27, 2002  
 (A ZONE "X" IS DESCRIBED AS AN AREA NOT WITHIN THE 100-YEAR STORM FLOODPLAIN.)

**PROJECT BENCHMARK**  
 PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)  
 CITY OF LAS VEGAS BENCHMARK: 5LV90:19W4 2008 ADJUSTMENT (UPDATED 5/24/10) NAVD88 ELEVATION: 657.697 METERS (2157.96 FEET)  
 RIVET AND PLATE CONCRETE PAD (LWVDD) 100'SE HUALAPAI WAY AND DEER SPRINGS.

**NOTE**  
 FOR DETAILS & SECTIONS REFER TO SHEET DT1.

Aaron M. Yamachka, P.E. #15079  
 DATE: 9/15/14

**RYLAND HOMES**  
 8925 W. RUSSELL ROAD, SUITE 200  
 LAS VEGAS, NEVADA 89148  
 (702) 360-7500

**GRADING PLAN 2**

**BRISTLE FALLS UNIT 2**

2727 SOUTH RAINBOW BOULEVARD  
 LAS VEGAS, NEVADA 89146-9148  
 PH: (702) 873-7500 FAX (702) 362-2597 WEB WWW.VIVVM.COM  
 CONSULTING ENGINEERS & LAND SURVEYORS

DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 PROJECT NO: \_\_\_\_\_  
 SCALE: 1"=30' HORIZ. VERT. NA

EXP. 06-30-14

**PROFESSIONAL ENGINEER STATE OF NEVADA**  
 AARON M. YAMACHKA, P.E. #15079

SHEET 4 OF 19 SHEETS  
 DRAWING NO. 1074994-2