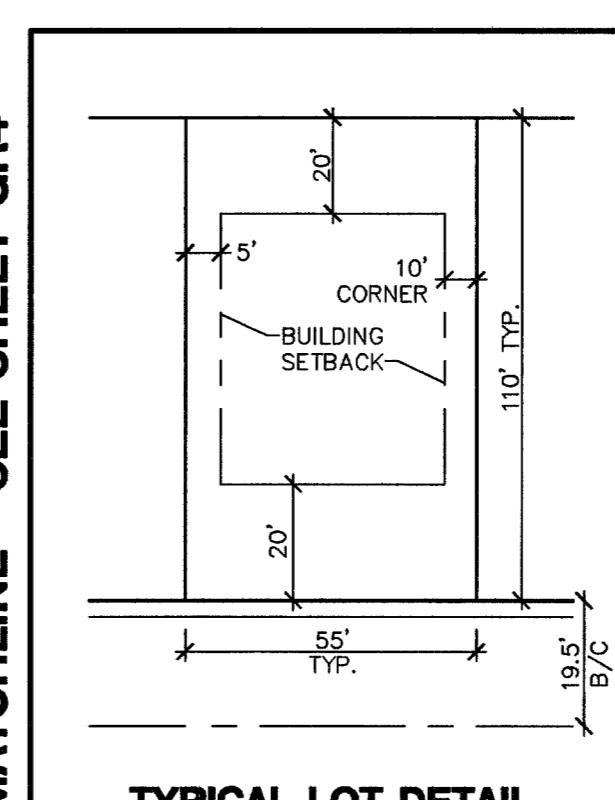


- CONSTRUCTION NOTES**
- (A) CONSTRUCT 24" "L" TYPE CURB & GUTTER PER STD. DWG. NO. 216
 - (B) CONSTRUCT 30" "ROLL" TYPE CURB & GUTTER PER STD. DWG. NO. 217A
 - (C) CONSTRUCT "A" TYPE ISLAND CURB PER STD. DWG. NO. 219
 - (D) CONSTRUCT CONCRETE CROSS GUTTER PER STD. DWG. NO. 228
 - (E) CONSTRUCT 4" CONCRETE SIDEWALK PER STD. DWG. NO. 234
 - (F) CONSTRUCT WHEEL CHAIR RAMP PER STD. DWG. NO. 235 CASE 1
 - (G) CONSTRUCT 2" WIDE UNDER SIDEWALK DRAIN PER STD. DWG. NO. 236
 - (H) CONSTRUCT DEPRESSED CURB SECTION PER DETAIL ON SHEET DT1
 - (I) CONSTRUCT 10" "L" TO "ROLL" CURB TRANSITION PER DETAIL ON SHEET DT1.

- 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 SUB GRADE, FINISH GRADE 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 PREVENTION PLAN (SWPPP) AND ASSOCIATED.
 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 SUB GRADE	0.1"+	+0.0' TO -0.1'	SEE SOILS REPORT
B. ENGINEERED FILL	0.5'+	+0.1' TO -0.1'	SEE SOILS REPORT
 7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACK FILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
 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.

- ABBREVIATIONS**
- | | | |
|------------------------------|--------------------------------------|--------------------------|
| FG FINISH GRADE | BCR BEGIN CURB RETURN | TOE TOP OF CHANNEL/SCARP |
| FL FLOW LINE | TF TOP OF FOOTING | TOE TOP OF CHANNEL/SCARP |
| TRC TOP OF ROLL CURB | GB GRADE BREAK | TOB TOP OF BOX |
| EAC EDGE OF ASPHALT PAVEMENT | PC POINT OF CURVATURE | PP POWER POLE |
| FUT. FUTURE | PT POINT OF TANGENCY | TRANS. TRANSITION |
| EXIST. EXISTING (EX.) | PRC POINT OF REVERSE CURVATURE | RET. RETAINMENT |
| EXIST. EXISTING (EX.) | PCC POINT OF COMPOUND CURVATURE | INT. INTERSECTION |
| V.G. VALLEY GUTTER | VC VALLEY VERTICAL CURVE | D.G. DESIGN GRADE |
| NG NATURAL GROUND | MVC MID-POINT OF VERTICAL CURVE | TSW TOP OF SIDEWALK |
| H.P. HIGH POINT | EVC END VERTICAL CURVE | FF FINISH FLOOR |
| L.P. LOW POINT | PRVC POINT OF REVERSE VERTICAL CURVE | GFF GARAGE FINISH FLOOR |
| C/L CENTER LINE | VP VERTICAL POINT OF INTERSECTION | BFE BASE FLOOD ELEVATION |
| O/C OFFSET CROWN | TPW TOP OF PLANTER WALL | R/W RIGHT-OF-WAY |
| BC BACK OF CURB | TRW TOP OF RETAINMENT WALL | S/W SIDEWALK |



Call before you Overhead
1-702-227-2929

Call before you Dig
1-800-227-2600

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1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS AND
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

PROJECT BENCHMARK
DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
CITY OF LAS VEGAS BENCHMARK: 8LV99-135E5
NAVD88 ELEVATION: 869.606 METERS (2853.03 FEET)
RIVET AND PLATE IN CONCRETE CYLINDER NW CORNER OF HUALAPAI AND ELKHORN
NOTE: WHEN THE SURVEYING FOR THIS PROJECT BEGAN, THE ABOVE REFERENCED BENCHMARK 8LV99-135E5 WAS NOT PUBLISHED. THE BASIS FOR THE DATUM FOR THIS PROJECT IS SHOWN ON RECORD OF SURVEY FILE 124 PAGE 94, CLARK COUNTY BENCHMARK 1000-086, WHICH AT THE TIME OF THE ORIGINAL SURVEY (PRIOR TO THE CURRENT 2003 COUNTY BENCHMARK PUBLISHING) HAD AN ELEVATION OF 2584.61 FEET. TO CONVERT THE CURRENT CITY OF LAS VEGAS BENCHMARK 8LV99-135E5 TO MATCH THE ORIGINAL PROJECT DATUM, 0.34' NEEDS TO BE ADDED TO THE ELEVATION OF 2853.03 FEET.

BASIS OF BEARINGS
THE BASIS OF BEARINGS FOR THIS PROJECT IS NORTH 00°08'16" EAST BE THE EAST LINE OF THE NORTHWEST QUARTER (NE 1/4) OF THE SECTION 24, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE IN FILE 123 AT PAGE 32.

NOTE
ALL DRAINAGE EASEMENTS MUST BE COMMON LOTS & PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY H.O.A.

- LEGEND**
- EX. CONTOUR(5' INTERVAL)
 - EX. CONTOUR(1' INTERVAL)
 - PROPOSED CONTOUR
 - PROPOSED PAD GRADE
 - FUT./EXIST. PAD GRADE
 - SLOPE AND FLOW DIRECTION
 - EDGE OF EXIST. A.C.
 - SAW CUT & MATCH A.C.
 - SIDEWALK RAMP
 - PAD SWALE SLOPES
 - SCARP AREA
 - LOT NUMBER
 - BLOCK NUMBER
 - RETAINING HEIGHT (FEET) AS MEASURED FROM ROUGH GRADE
 - SIGHT VISIBILITY ZONES
 - PROJECT BOUNDARY LINE
 - SETBACK LINE
 - R/W OR P/L
 - EXIST. IMPROVEMENTS
 - FUTURE IMPROVEMENTS
 - CENTER LINE
 - 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	15.0'	4.5'	1
2	15.0'	4.5'	1

OUT = 60,243 C.Y.
FILL = 64,914 C.Y.
(UNADJUSTED)

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT CITY OF LAS VEGAS, NEVADA FOR THIS PROJECT., DS3673
CHRISTOPHER R. GRUBBS 11/18/05
P.E. NO. 13956 DATE

CONTRACTOR NOTE
CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

NOTES

1. ALL PRIVATE STREETS AND PRIVATE DRIVES ARE P.U.E., PUBLIC SEWER EASEMENT, & PUBLIC DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED BY H.O.A.
2. SEE SHEET DT1 FOR SECTIONS AND DETAILS.

KIMBALL HILL
8 SINNET WAY, SUITE 101
HENDERSON, NEVADA 89014
(702) 336-4662

GRADING PLAN 1

BRIGHTON & KENSINGTON PROVIDENCE / CLIFFS EDGE UNIT 2

CITY OF LAS VEGAS
2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148
PH. (702) 873-7550 FAX (702) 862-2897

novada CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS

DRAWN BY: 2/25/05
DESIGNED BY: 2/25/05
CHECKED BY: 2/25/05
PROJECT NO: 5399-2
SCALE: 1"=30' HORIZ. VERT.

PROFESSIONAL ENGINEER STATE OF NEVADA
CHRISTOPHER R. GRUBBS
P.E. NO. 13956
EXPIRES 06-30-07
SHEET 11 OF 52 SHEETS
DRAWING NO. 10744890-2