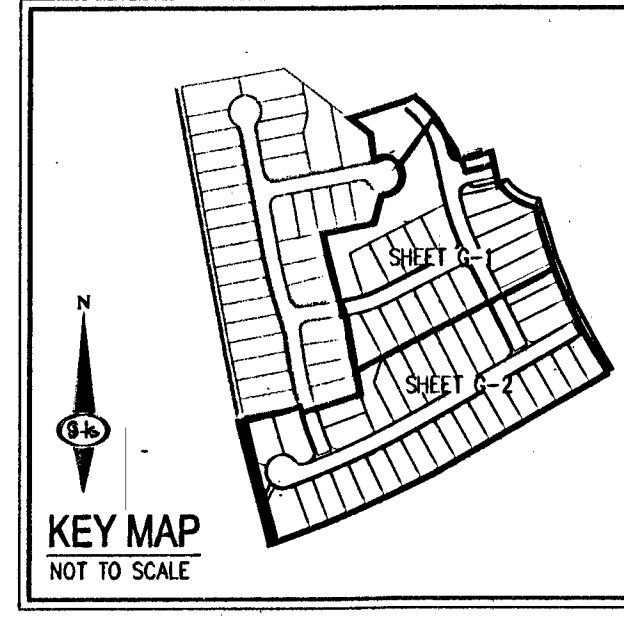


STORM DRAIN NOTE
 ALL ON-SITE STORM DRAIN AND ASSOCIATED FACILITIES ARE PRIVATELY OWNED AND MAINTAINED BY THE HOA.



- GENERAL NOTES**
- FINAL GRADES ADJACENT TO STRUCTURES SHALL BE IN CONFORMANCE WITH BOOK SECTION 2304.11.2.
 - THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ALL DISCREPANCIES TO THE ENGINEER.
 - ALL IMPROVEMENTS TO BE PROTECTED FROM EROSION BY SWPPP.
 - MAXIMUM/MINIMUM SLOPES AND MINIMUM STREET SECTIONS NOT TO EXCEED THAT SHOWN ON GEOTECH REPORT.
 - SEE DETAIL SHEETS FOR STREET SECTIONS AND DETAILS.
 - ALL PUBLIC AND PRIVATE DRAINAGE IMPROVEMENTS TO BE BROWNE FOR AND INSPECTED.
 - CONSTRUCTION OF BLOCK WALLS REQUIRES A SEPARATE BUILDING PERMIT AND APPROVAL.
 - EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITY STRUCTURES AND FACILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. CONTRACTOR TO PROTECT IN PLACE DURING CONSTRUCTION. ENGINEER/OWNER SHALL BE NOTIFIED OF PRIOR DAMAGE TO EXISTING FACILITIES. CONTRACTOR TO CONSTRUCTION CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR/REPLACEMENT OF EXISTING FACILITIES IF ENGINEER/OWNER IS NOTIFIED OF EXISTING DAMAGE PRIOR TO CONSTRUCTION COMMENCING.
 - NO STRUCTURE, VEGETATION, OR OBJECTS OF ANY KIND IS PERMITTED OVER THE TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXISTS) WITHIN THE SIGHT TRIANGLE.
 - ALL ELEVATIONS SHOWN, WITH EXCEPTION TO PAD AND FINISHED FLOOR ELEVATIONS, ARE THE VALUE SHOWN PLUS 3.000.

- STORMWATER RUNOFF MANAGEMENT**
 (REQUIRED FOR ALL SITES GREATER THAN 1 ACRE (43,560 SQ.FT.))
- THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATE IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
 - ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN TITLE 24.40 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL.
 - TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY. REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NV180000, SECTION III.A.5.
 - AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER ANY ACTUAL RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NV180000, SECTION III.A.12.
 - ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

DRAINAGE EASEMENT NOTE
 ALL DRAINAGE EASEMENTS AND COMMON LOTS ARE PUBLIC DRAINAGE EASEMENTS PRIVATELY MAINTAINED BY THE HOA.

PRIVATE STREETS NOTE
 ALL PRIVATE STREETS ARE P.U., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

- GRADING NOTES**
- CONSTRUCT 2" AC PAVEMENT WITH 4" TYPE II OVER 8" TYPE I AGGREGATE BASE
 - CONSTRUCT 4" AC PAVEMENT WITH 4" TYPE II OVER 8" TYPE I AGGREGATE BASE
 - SAWCUT AND MATCH EXISTING IMPROVEMENTS
 - INSTALL SIDEWALK DRAIN PER CAUSD #236
 - INSTALL "A" TYPE ISLAND CURB PER CAUSD #219
 - INSTALL 8-FT CROSS GUTTER PER DETAIL ON SHEET
 - CONSTRUCT 4" WIDE SIDEWALK PER SUMMERLIN IMPROVEMENT STANDARDS S-72
 - INSTALL 30" ROLL CURB PER SUMMERLIN STD. DWG 75-48
 - INSTALL 60" TYPE II STORM DRAIN MANHOLE
 - CONSTRUCT SIDEWALK RAMPS USING ARMOR TILE CRUNCHED DOMES OR EQUIVALENT PER CAUSD NO. 234
 - FIELD VERIFY AND TIE INTO EXISTING CURB AND GUTTER
 - INSTALL ROLL CURB TO "L" CURB TRANSITION PER DETAIL ON SHEET D-1
 - INSTALL RCP SD (CLASS III) (SIZE PER PLAN)
 - INSTALL CONCRETE COLLAR PER DETAIL ON SHEET D-1
 - INSTALL 22.5" TYPE DM2 DROP INLET (9) GRATES PER CAUSD NO. 412.1 AND 421
 - REMOVE RIPRAP INSTALLED PER ESPERANZA PER SUMMERLIN DESIGN CRITERIA FOR THE PASEOS, SECTION 5 (DETAIL / DESIGN TO BE PROVIDED BY OTHERS) TO BE CONSTRUCTED BY SUMMERLIN. SEE SHEET C-2 FOR ABBREVIATIONS

BASIS OF BEARING
 NORTH 05°59'55" WEST, BEING THE BEARING OF THE WEST LINE OF SECTION 34, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 143, PAGE 47 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

PERIMETER SIDEWALKS
 PERIMETER SIDEWALK DISPLAYED FOR CONCEPTUAL PURPOSES ONLY. MASTER DEVELOPER TO PROVIDE DESIGN AND CONNECTIONS FOR ON-SITE PEDESTRIAN ACCESS.

LEGAL DESCRIPTION
 A PORTION OF PARCEL AS SHOWN ON FILE IN BOOK 143, PAGE 47 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA, LYING WITHIN SECTION 34, TOWNSHIP 20 SOUTH, RANGE 59 EAST M.D.M., CLARK COUNTY, NEVADA.

BENCHMARK
 RIVET & PLATE IN TOP OF CURB IN THE SOUTHEAST CORNER OF DESERT MOON ROAD & DESERT SUNRISE ROAD, 7103442464
 NAVD 88 ELEVATION = 1008.289 METERS = 3301.47 FEET

FEMA FLOOD ZONE DESIGNATION
 THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE X (AREA OUTSIDE THE 500-YEAR FLOOD PLAIN) PER FIRM PANEL 32003C2150E, DATED SEPTEMBER 27, 2002.

FLOOD CERTIFICATION
 I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY 054552Z ON FILE AT CITY OF LAS VEGAS FOR THE SUBJECT PROJECT.
 JERRY J. SLATER, P.E. 1478 DATE 10/31/12

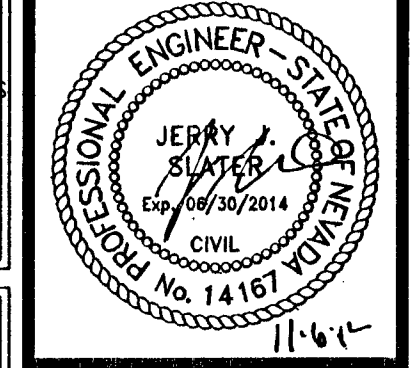
SUMMERLIN
 SUMMERLIN RESIDENTIAL DESIGN REVIEW COMMITTEE DATE
 THIS SIGNATURE IS LIMITED TO APPROVAL OF THESE DOCUMENTS FOR CONFORMANCE TO THE DESIGN INTENT OF THE APPLICABLE DESIGN CRITERIA. NEITHER SUMMERLIN NOR THE SUMMERLIN RESIDENTIAL DESIGN REVIEW COMMITTEE ASSUMES RESPONSIBILITY FOR PLAN CONFORMANCE WITH APPLICABLE LAWS, ORDINANCES, AND CODES.

SLATER HANIFAN GROUP
SE
 CONSULTING ENGINEERS & PLANNERS
 5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
 PHONE (702) 264-5300 FAX (702) 264-5399

| DATE | BY | APP. DATE | DESCRIPTION | NO. |
|----------|-----|-----------|-------------|-----|
| 10/31/12 | BCC | | | |
| | BCC | | | |
| | SJS | | | |

LENNAR
 LAS VEGAS, NEVADA
 CATALINA PHASE 1
 GRADING PLAN I

DATE: 10/31/12
 DRAFTER: BCC
 DESIGNER: BCC
 CHECKED: SJS
 PROJECT NO. LEN1202-000



G-1
 SHEET 3 OF 12
 11/20/12
 11/20/12

H# 46965