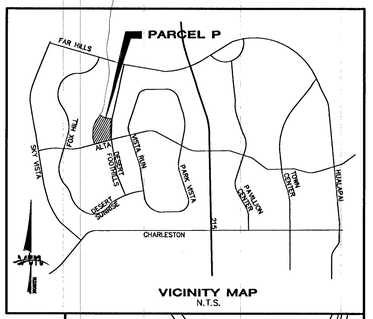
## CURVE TABLE

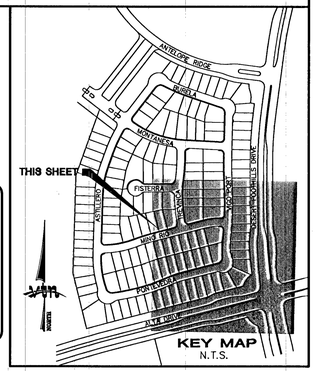
| CURVE | RADIUS | DELTA | LENGTH | TANGENT |
|---|---|---|---|---|
| C293 | 750.00' | 3°25'37" | 44.86' | 22.44' |
| C294 | 750.00' | 3°26'26" | 45.04' | 22.52' |
| C295 | 750.00' | 3°25'34" | 44.85' | 22.43' |
| C296 | 750.00' | 0°32'36" | 7.11' | 3.56' |
| C297 | 500.00' | 1°21'45" | 11.89' | 5.94' |
| C298 | 500.00' | 5°10'15" | 45.12' | 22.58' |
| C299 | 500.00' | 5°03'18" | 44.11' | 22.07' |
| C300 | 500.00' | 5°09'49" | 45.06' | 22.55' |
| C301 | 500.00' | 1°13'35" | 10.70' | 5.35' |
| C390 | 30.00' | 89°59'58" | 47.12' | 30.00' |
| C394 | 20.00' | 84°33'06" | 29.51' | 18.18' |
| C395 | 750.00' | 1°34'03" | 20.52' | 10.26' |
| C397 | 480.50' | 6°26'16" | 53.99' | 27.02' |
| C398 | 20.00' | 90°00'04" | 31.42' | 20.00' |
| C399 | 480.50' | 10°41'50" | 89.71' | 44.99' |
| C400 | 480.50' | 7°57'14" | 66.70' | 33.41' |
| C401 | 480.50' | 6°58'03" | 58.43' | 29.25' |
| C421 | 504.00' | 4°51'52" | 42.79' | 21.41' |
| C422 | 996.00' | 0°08'27" | 2.45' | 1.22' |
| C423 | 996.00' | 2°35'42" | 45.11' | 22.56' |
| C424 | 996.00' | 3°09'06" | 54.79' | 27.40' |
| C425 | 20.00' | 94°47'05" | 33.09' | 21.74' |
| C426 | 519.50' | 0°59'25" | 8.98' | 4.49' |
| C427 | 519.50' | 3°57'28" | 35.89' | 17.95' |
| C428 | 20.00' | 75°56'00" | 26.51' | 15.61' |
| C429 | 957.00' | 4°42'05" | 78.53' | 39.28' |
| C430 | 519.50' | 4°45'54" | 43.20' | 21.61' |
| C431 | 519.50' | 4°50'10" | 43.85' | 21.94' |
| C432 | 519.50' | 4°57'57" | 45.03' | 22.53' |
| C433 | 519.50' | 6°34'45" | 59.65' | 29.86' |
| C434 | 711.00' | 4°48'16" | 59.62' | 29.83' |
| C435 | 20.00' | 95°02'00" | 33.17' | 21.84' |
| C436 | 711.00' | 4°31'34" | 56.17' | 28.10' |
| C437 | 711.00' | 3°29'24" | 43.31' | 21.66' |
| C438 | 461.00' | 6°18'49" | 50.80' | 25.43' |
| C439 | 461.00' | 6°37'34" | 53.31' | 26.69' |
| C440 | 461.00' | 5°02'18" | 40.54' | 20.28' |
| C449 | 20.00' | 89°24'59" | 31.21' | 19.80' |
| C450 | 543.00' | 2°05'37" | 19.84' | 9.92' |
| C451 | 1043.00' | 2°46'28" | 50.50' | 25.26' |
| C452 | 20.00' | 20°55'59" | 7.31' | 3.69' |
| C453 | 40.50' | 65°28'14" | 46.28' | 26.04' |
| C454 | 20.00' | 28°18'24" | 9.88' | 5.04' |
| C455 | 40.50' | 69°40'57" | 49.26' | 28.19' |
| C456 | 20.00' | 22°19'28" | 7.79' | 3.95' |
| C457 | 40.50' | 143°19'37" | 101.31' | 122.20' |
| C458 | 20.00' | 26°54'56" | 9.40' | 4.79' |
| C459 | 957.00' | 4°33'41" | 76.19' | 38.11' |
| C460 | 543.00' | 0°30'48" | 4.86' | 2.43' |
| C461 | 20.00' | 82°31'21" | 28.81' | 17.55' |
| C491 | 996.00' | 2°36'21" | 45.30' | 22.65' |

GRAPHIC SCALE

40 0 20 40 80

1" = 40'




Call before you Dig
Avoid cutting underground utility lines. It's costly.
CALL 811
OR CLARK COUNTY TRAFFIC OPERATIONS 1-800-227-2600

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

Call before you Underground
1-702-455-7511 CLARK COUNTY TRAFFIC OPERATIONS
1-702-452-5300 LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

## CONSTRUCTION NOTES

(A) CONSTRUCT 30" ROLL CURB & GUTTER PER SUMMERLIN STD. DWG. NO. S-48
(B) CONSTRUCT 4.0' CONCRETE SIDEWALK PER SUMMERLIN STD. DWG. NO. S-72
(C) CONSTRUCT 8' CONCRETE CROSS GUTTER SUMMERLIN STD. DWG. NO. S-64
(D) CONSTRUCT WHEEL CHAIR RAMP
(E) CONSTRUCT "L" TYPE CURB & GUTTER PER SUMMERLIN STD. DWG. NO. S-47
(F) CONSTRUCT 5' CURB TRANSITION PER DETAIL ON SHEET DT1
(G) CONSTRUCT "A" TYPE CURB PER SUMMERLIN STD. DWG. NO. S-50

## HC RAMP DATA

| NO. | "A" | "B" | CASE |
|---|---|---|---|
| 1 | 4.5' | 12.0' | I |
| 2 | 9.5' | 4.5' | I |
| 3 | 4.5' | 21.5' | I |
| 4 | 4.5 | 15.0' | I |
| 5 | 8.0' | 8.0' | I |

## FLOOD ZONE NOTE

FLOOD ZONE TYPE: ZONE X
PANEL #: 2150 MAP #: 32003C2150E
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: 5LV09: 34NE6 2008 ADJUSTMENT (UPDATED 5/24/10) NAVD88 ELEVATION: 1007.197 METERS (3304.45 FEET)

RIVET AND PLATE IN TOP OF CURB AT THE NORTHEAST CORNER OF DESERT FOOTHILLS AND ALTA.

## BASIS OF BEARINGS

NORTH 89°48'49" EAST – BEING THE BEARING OF THE NORTH LINE OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., AS SHOWN BY THAT PARCEL MAP ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, IN FILE 118 OF PARCEL MAPS, AT PAGE 100.

## NOTE

ALL STREETS ARE PRIVATE, PUBLIC UTILITY EASEMENTS (P.U.E.); PUBLIC DRAINAGE AND PUBLIC SEWER EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

**FOR ALL GRADING & STREET SECTIONS SEE SHEET DT1 & DT2**

## 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 |
| TW | TOP OF RETAINMENT WALL |
| TOS | TOP OF CHANNEL/SCARP |
| TOE | TOE OF CHANNEL/SCARP |
| TOB | TOP OF BOX |
| PP | POWER POLE |
| TRANS. | TRANSITION |
| RET. | RETAINMENT |
| INT. | INTERSECTION |
| D.G. | DESIGN GRADE |
| TSW | TOP OF SIDEWALK |
| FF= | FINISH FLOOR |
| GFF= | GARAGE FINISH FLOOR |
| EX BFE= | EXISTING BASE FLOOD ELEVATION PRIOR TO DEVELOPEMENT |
| DEV BFE= | BASE FLOOD ELEVATION AFTER DEVELOPEMENT |
| R/W | RIGHT-OF-WAY |
| S/W | SIDEWALK |
| 2400 | EX. CONTOUR(5' INTERVAL) |
| | EX. CONTOUR(1' INTERVAL) |
| | PROPOSED CONTOUR |
| CUT / FILL | CUT AND FILL TRANSITION LINE |
| 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. |
| OR | SIDEWALK RAMP |
| | PAD SWALE SLOPES |
| | SCARP AREA |
| 27 | LOT NUMBER |
| 4 | BLOCK NUMBER |
| 4.2 | 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 |

11/4/14
AARON M. YAMACHIKA P.E. #15079 DATE

"I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT." (DS 4676)

H# 55447

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

2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89146-5148
PH. (702) 873-7550 FAX (702) 362-2597 WEB WWW.VTNNV.COM
CONSULTING ENGINEERS ● PLANNERS ● LAND SURVEYORS

CITY OF LAS VEGAS

REV | DATE | BY | REVISION

# GRADING PLAN 3

SUMMERLIN VILLAGE 23B
PARCEL P-SARASOTA
UNIT 1

DRAWN BY: DMO — MAY 2014
DESIGNED BY: DMO — MAY 2014
CHECKED BY: AY — MAY 2014
PROJECT NO: 7823
SCALE: 1"=40' HORIZ. / NA VERT.

EXPIRES 06-30-16
PROFESSIONAL ENGINEER STATE OF NEVADA
AARON M. YAMACHIKA CIVIL No. 15079
11/4/14

SHEET
GR3
5 OF 22 SHEETS

DRAWING NO.
107Y5011-1