## CONSTRUCTION NOTES

**ROADWAY**

1. INSTALL 2" AC PAVEMENT (S-114/95)
2. INSTALL "L" TYPE CURB & GUTTER (S-47/98)
3. VERIFY LOCATION AND ELEVATION OF EXISTING ROADWAY IMPROVEMENT AND MATCH TO EXISTING CONDITION. IF DISCREPANCY EXISTS, NOTIFY ENGINEER PRIOR TO CONSTRUCTION.

* NOTE: 6" TYPE II AGGREGATE BASE COMPACTED TO 95% UNDER ALL CURBS.

NORTH

SCALE 30 0 30 60 FEET

### PARCEL CURVE TABLE

| CURVE # | LENGTH | RADIUS | DELTA | TANGENT |
|---|---|---|---|---|
| C1 | 63.68' | 40.50' | 90.09° | 40.56' |
| C2 | 23.24' | 40.50' | 32.88° | 11.95' |
| C3 | 40.73' | 40.50' | 57.62° | 22.27' |
| C4 | 34.82' | 40.50' | 49.26° | 18.57' |
| C5 | 35.34' | 40.50' | 50.00° | 18.89' |
| C6 | 15.05' | 19.50' | 44.22° | 7.92' |
| C7 | 26.74' | 20.00' | 76.59° | 15.79' |
| C8 | 40.56' | 1018.50' | 2.28° | 20.28' |
| C9 | 32.49' | 20.00' | 93.08° | 21.10' |
| C10 | 32.53' | 1102.00' | 1.69° | 16.27' |
| C11 | 62.03' | 1102.00' | 3.23° | 31.02' |
| C12 | 68.61' | 1065.00' | 3.69° | 34.32' |
| C13 | 30.73' | 1065.00' | 1.65° | 15.36' |
| C14 | 28.85' | 20.00' | 82.65° | 17.59' |
| C15 | 48.33' | 1018.50' | 2.72° | 24.17' |
| C16 | 102.33' | 894.34' | 6.56° | 51.22' |
| C17 | 30.99' | 20.00' | 88.77° | 19.57' |
| C18 | 67.03' | 1980.50' | 1.94° | 33.52' |
| C19 | 30.01' | 2017.50' | 0.85° | 15.00' |
| C20 | 9.30' | 2017.50' | 0.26° | 4.65' |
| C21 | 35.82' | 100.00' | 20.52° | 18.10' |
| C22 | 17.72' | 47.00' | 21.60° | 8.96' |
| C23 | 47.22' | 47.00' | 57.57° | 25.82' |
| C24 | 40.70' | 47.00' | 49.62° | 21.73' |
| C25 | 2.54' | 47.00' | 3.09° | 1.27' |
| C26 | 34.42' | 100.00' | 19.72° | 17.38' |
| C27 | 25.46' | 931.34' | 1.57° | 12.73' |
| C28 | 62.14' | 931.34' | 3.82° | 31.08' |
| C29 | 29.50' | 931.34' | 1.81° | 14.75' |
| C30 | 32.51' | 981.50' | 1.90° | 16.26' |

### PARCEL CURVE TABLE

| CURVE # | LENGTH | RADIUS | DELTA | TANGENT |
|---|---|---|---|---|
| C31 | 80.43' | 981.50' | 4.70° | 40.24' |
| C32 | 45.81' | 981.50' | 2.67° | 22.91' |
| C33 | 17.26' | 100.00' | 9.89° | 8.65' |
| C34 | 19.84' | 100.00' | 11.37° | 9.95' |
| C35 | 42.03' | 47.00' | 51.24° | 22.54' |
| C36 | 44.63' | 47.00' | 54.41° | 24.16' |
| C37 | 11.04' | 47.00' | 13.46° | 5.54' |
| C38 | 20.10' | 100.00' | 11.52° | 10.09' |
| C39 | 17.00' | 100.00' | 9.74° | 8.52' |
| C40 | 19.27' | 19.50' | 56.63° | 10.51' |
| C41 | 0.71' | 40.50' | 1.00° | 0.35' |
| C43 | 40.27' | 894.34' | 2.58° | 20.14' |
| C44 | 56.92' | 40.50' | 80.52° | 34.30' |
| C45 | 30.73' | 40.50' | 43.48° | 16.15' |
| C46 | 52.65' | 40.50' | 74.48° | 30.79' |
| C47 | 15.24' | 40.50' | 21.55° | 7.71' |
| C48 | 9.51' | 19.50' | 27.95° | 4.85' |
| C49 | 22.96' | 19.50' | 67.46° | 13.02' |
| C50 | 39.14' | 40.50' | 55.38° | 21.25' |

### PARCEL LINE TABLE

| LINE # | LENGTH | DIRECTION |
|---|---|---|
| L1 | 13.81 | N75° 35' 40.00"E |
| L2 | 63.74 | N75° 35' 40.00"E |
| L3 | 58.62 | N75° 35' 40.00"E |
| L4 | 91.53 | S1° 00' 00.00"E |
| L5 | 69.00 | S1° 00' 00.00"E |
| L6 | 52.94 | N88° 12' 08.43"E |
| L7 | 62.01 | N88° 12' 08.43"E |
| L8 | 29.49 | N88° 12' 08.43"E |
| L9 | 34.27 | N88° 12' 08.43"E |
| L10 | 62.00 | N88° 12' 08.43"E |
| L11 | 55.19 | N88° 12' 08.43"E |
| L12 | 16.20 | S1° 00' 00.00"E |
| L13 | 62.00 | S1° 00' 00.00"E |
| L14 | 44.83 | S1° 00' 00.00"E |
| L15 | 45.09 | N75° 35' 40.00"E |
| L16 | 45.32 | N75° 35' 40.00"E |
| L17 | 38.39 | N14° 24' 20.00"W |
| L18 | 62.00 | N14° 24' 20.00"W |
| L19 | 62.00 | N14° 24' 20.00"W |
| L20 | 15.00 | N14° 24' 20.00"W |
| L21 | 15.06 | N14° 24' 20.00"W |

### ROAD CONTROL CURVE TABLE

| CURVE | LENGTH | RADIUS | DELTA | TANGENT |
|---|---|---|---|---|
| C51 | 161.75 | 1000.00 | 9.27 | 81.05 |
| C52 | 92.97 | 1083.50 | 4.92 | 46.52 |
| C53 | 182.91 | 912.84 | 11.48 | 91.76 |
| C54 | 104.58 | 1999.00 | 3.00 | 52.30 |

### ROAD CONTROL LINE TABLE

| LINE | LENGTH | DIRECTION |
|---|---|---|
| L22 | 128.51 | N14° 24' 20.00"W |
| L23 | 15.00 | S75° 35' 40.00"W |
| L24 | 5.00 | N14° 24' 20.00"W |
| L25 | 208.42 | N75° 35' 40.00"E |
| L26 | 190.93 | S1° 00' 00.00"E |
| L27 | 185.89 | N88° 12' 08.43"E |

## BENCHMARK

CITY OF LAS VEGAS BENCHMARK OLV09 36NWW6
RIVET & PLATE IN TOP OF CURB RETURN @ NW CORNER OF PAVILLION CENTER & ALTA. 3024.16 FEET OR 921.767 METERS NAVD 1988 DATUM

## LEGAL DESCRIPTION

BEING A SUBDIVISION OF A PORTION OF PARCEL 1 AS SHOWN BY MAP THEREOF ON FILE IN FILE 91, PAGE 28 OF PARCEL MAPS IN THE COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA, LYING WITHIN SECTION 34, TOWNSHIP 20 SOUTH, RANGE 59 EAST, AND THE NORTH HALF (N 1/2) OF THE NORTH HALF (N 1/2) OF SECTION 3, TOWNSHIP 21 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA

## BASIS OF BEARINGS

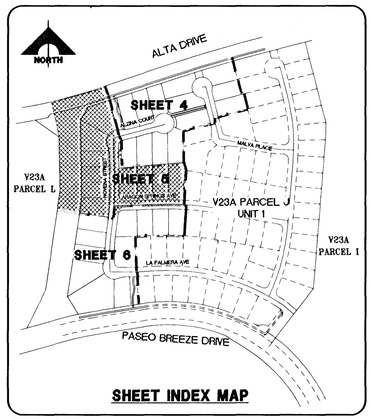
NORTH 05° 59' 55" WEST BEING THE BEARING OF THE WEST LINE OF SECTION 34, T 20 S, R 59 E, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 91, PAGE 28 OF PARCEL MAPS IN THE CLARK COUNTY RECORDERS OFFICE, CLARK COUNTY, NEVADA.

## NOTE

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

## FLOOD ZONE NOTE

FLOOD ZONE X
FIRM #32003C2150E
REVISED: SEPTEMBER 27, 2002




SHEET INDEX MAP

## ENGINEER'S EVALUATION OF GRADING QUANTITES

PLEASE NOTE THESE QUANTITIES ARE ESTIMATES ONLY. ACTUAL QUANTITIES MAY DIFFER FROM THE ESTIMATE DUE TO SOILS VARIATIONS IN THE FIELD. VOLUMES CALCULATED WITHOUT SHRINKAGE OR SUBSIDENCE FACTORS AND DO NOT INCLUDE OVEREXCAVATION REQUIRED FOR THE REMOVAL OF CALICHE OR ANY OTHER UNDESIRABLE MATERIALS. REFER TO THE SOILS REPORT FOR THESE AREAS. ALSO NOT INCLUDED ARE QUANTITIES FOR ADDITIONAL DITCHES & BERMS NOT SHOWN THAT MAY BE REQUIRED BY THE ENGINEER.

COMPUTED CUT VOLUME: 27,325 cys
COMPUTED FILL VOLUME: 114,337 cys
IMPORT: 87,232 cys

## DRAINAGE CERTIFICATION

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY DS#432 ON FILE AT THE CITY OF LAS VEGAS, FOR THIS PROJECT.

JOSH L. JOHNSON, PE NO. 15789 — 3/17/11 DATE

STATE OF NEVADA — JOSH L. JOHNSON — No. 15789 — PROFESSIONAL ENGINEER — 08/31/2011

% COMPLETE

| REV | DATE | DESCRIPTION | AGEN APP | DATE | GCW APP | DATE |
|---|---|---|---|---|---|---|
| 1 | 6/24/11 | REVISE DRIVEWAY WIDTH | 11/24/10 | 3/22/11 | SS | 3/17/11 |
| 2 | 12/21/10 | ADDED PASEO PER ARCHITECT'S DESIGN, ADJUSTED GRADING PLANS ACCORDINGLY | | | | |

PROJECT NO. 62023-970
DESIGN:
DRAWN:
CHECK:
PLOT DATE: 03-17-11
PLOT TIME: 13:35:57


G.C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
1555 S. RAINBOW BOULEVARD - LAS VEGAS, NV 89146
T: 702.804.2000 - F: 702.804.2299 - GCWALLACE.COM

LAS VEGAS - SACRAMENTO - RENO


F:\Projects\6000\62023-970\DWG\Production\BARGr004.dwg
Phil Gruber

THE HOWARD HUGHES CORPORATION

SUMMERLIN VILLAGE 23A PARCEL J UNIT 2
BARCELONA

# GRADING PLAN 2

DRAWING 5
5 OF 22 SHTS

12/3318
126486

107Y4805-2