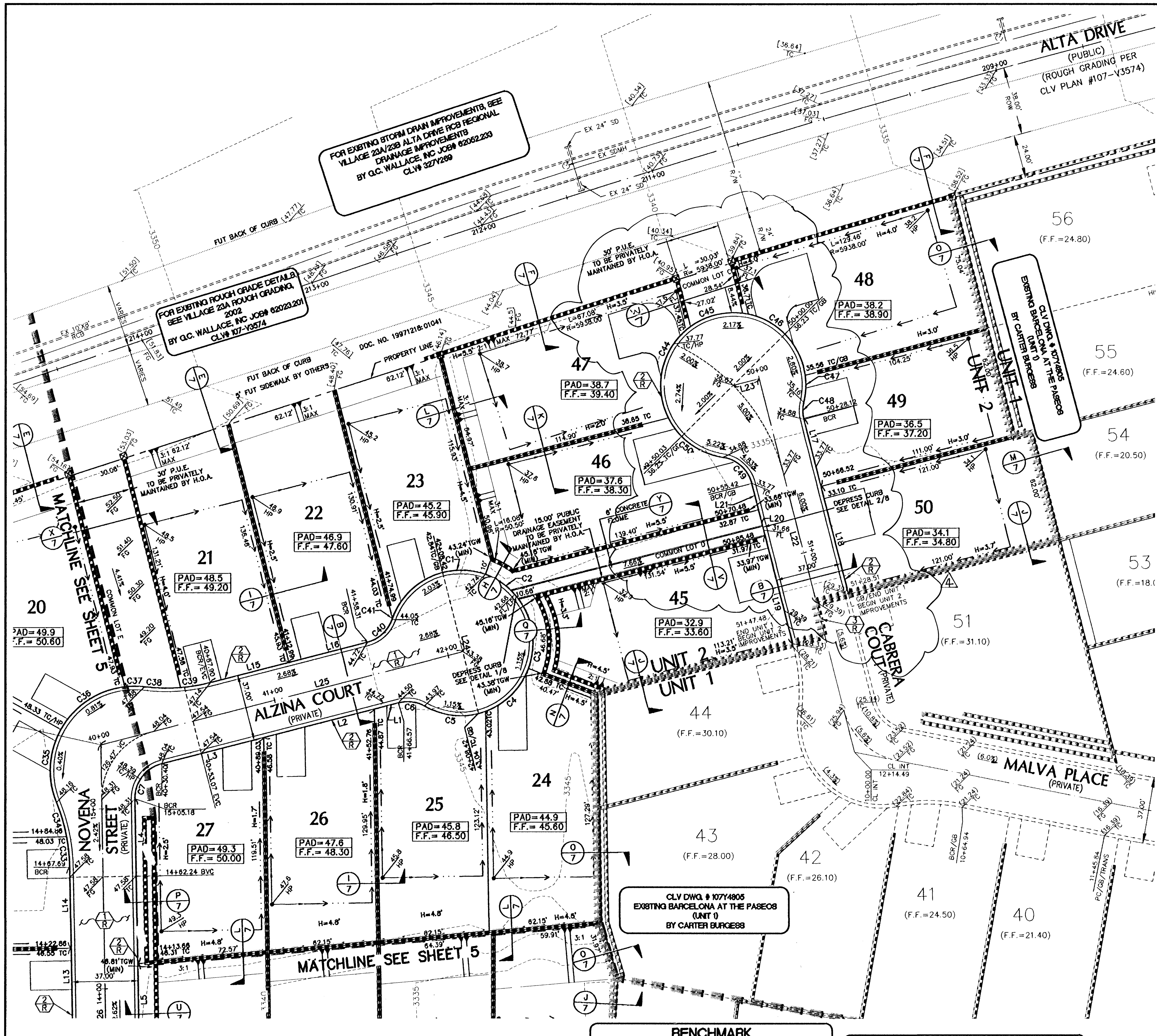



## CONSTRUCTION NOTES

**ROADWAY**

1. INSTALL 2" AC PAVEMENT (S-14A / S13)
2. INSTALL "L" TYPE CURB & GUTTER (S-47 / S13)
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.

### PARCEL CURVE TABLE

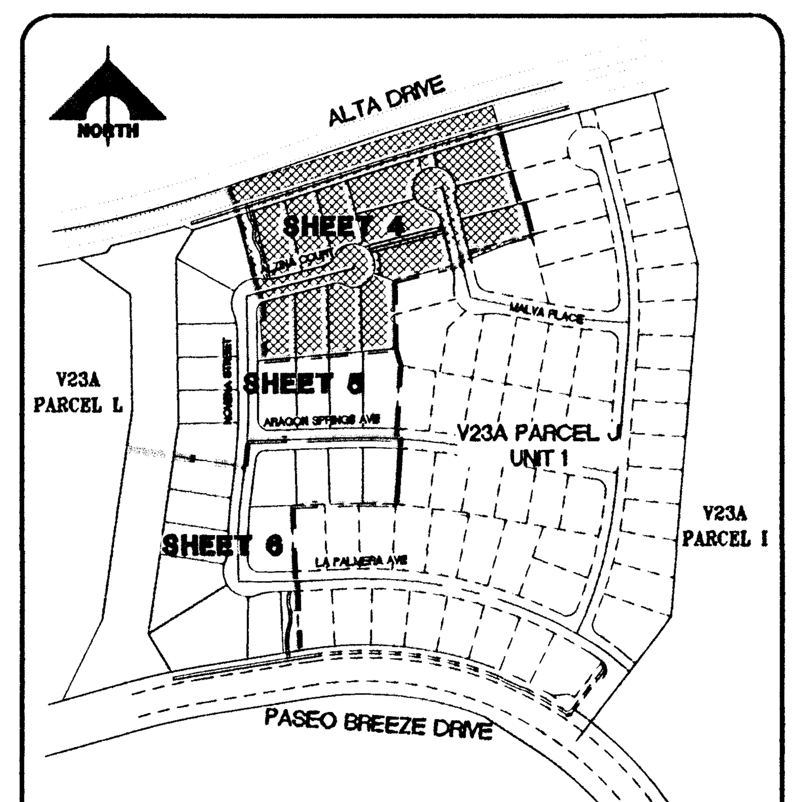
| CURVE # | LENGTH | RADIUS | DELTA | TANGENT |
|---|---|---|---|---|
| C1 | 63.68' | 40.50' | 90.09° | 40.56' |
| C2 | 23.24' | 40.50' | 32.88° | 11.95' |
| C3 | 40.73' | 40.50' | 57.62° | 22.27' |
| C4 | 34.82' | 40.50' | 49.26° | 18.57' |
| C5 | 35.34' | 40.50' | 50.00° | 18.89' |
| C6 | 15.05' | 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 |




**SHEET INDEX MAP**

### 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 |

123317
125744
R.Gon

## 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

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
OR
1-800-227-2600
AND
CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-7544

CALL BEFORE YOU DO UNDERGROUND
Call before you UnderGround
1-702-455-7511
1-702-229-6611

## 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 DS4432 ON FILE AT THE CITY OF LAS VEGAS, FOR THIS PROJECT.

JOSH L. JOHNSON, PE NO. 15789 — DATE 11/15/10

107Y4805-2

PROFESSIONAL ENGINEER – STATE OF NEVADA – JOSH L. JOHNSON – No. 15789 – CIVIL
DATE: 11/15/10
% COMPLETE

| REV | DATE | DESCRIPTION | DATE | AGEN APP | DATE | GCW APP |
|---|---|---|---|---|---|---|
| 1 | 10/20/11 | REVISE DRIVEWAY WIDTH | 11/08/11 | DD | | |

PROJECT NO. 62023-970
DESIGN:
DRAWN:
CHECK:
PLOT DATE: 11-16-10
PLOT TIME: 09:10:20

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\600\62023-970\DWG\Production\BARCc004.dwg
Michael Fong

THE HOWARD HUGHES CORPORATION
SUMMERLIN VILLAGE 23A PARCEL J UNIT 2
BARCELONA
GRADING PLAN 1
H39603

DRAWING
4
4 OF 23 SHTS