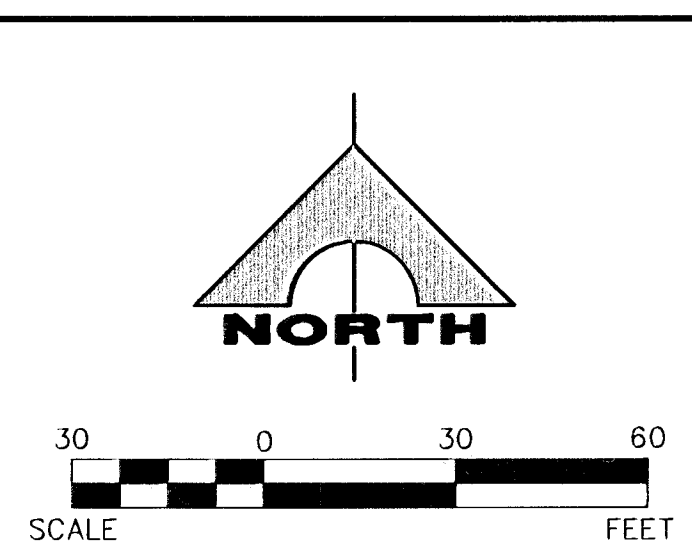
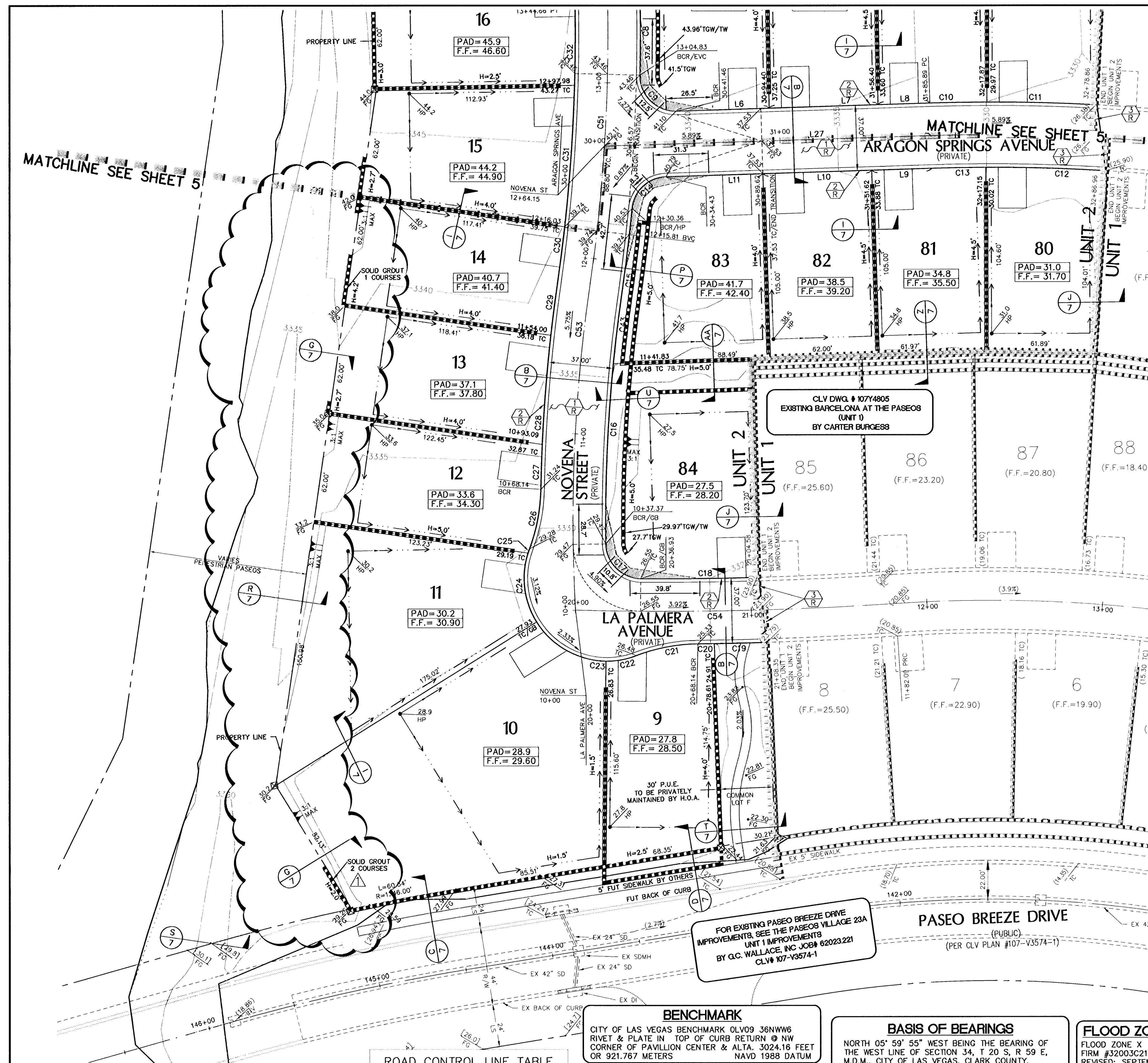




CONSTRUCTION NOTES

ROADWAY

- INSTALL 2" AC PAVEMENT
- INSTALL "L" TYPE CURB & GUTTER

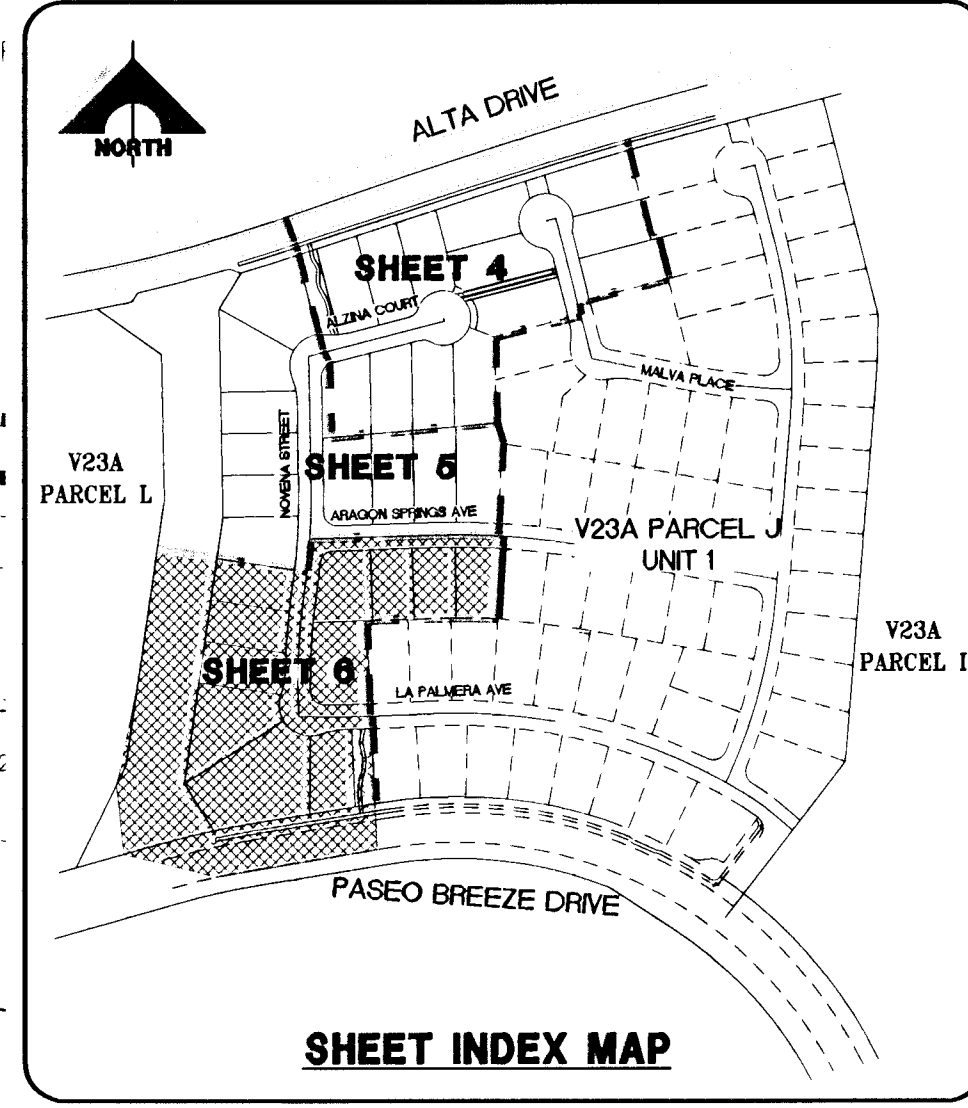
VERIFY LOCATION AND ELEVATION OF EXISTING ROADWAY IMPROVEMENT AND MATCH TO EXISTING CONSTRUCTION. IF DISCREPANCY EXISTS, NOTIFY ENGINEER PRIOR TO CONSTRUCTION.

* 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	52.85'	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 OLVO9 36NNW6
RIVET & PLATE IN TOP OF CURB RETURN @ NW
CORNER OF PAVILION CENTER & ALTA, 302.416 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

Call before you Dig
811
1-800-227-2600
CLARK COUNTY PUBLIC WORKS
1-702-455-7544

ENGINEER'S EVALUATION OF GRADING QUANTITIES

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 OVERCUT/UNDERCUT 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: 87,012 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.

3/17/11
DATE

THE HOWARD HUGHES CORPORATION
SUMMERLIN VILLAGE 23A PARCEL J UNIT 2
BARCELONA

GRADING PLAN 3

6
6 OF 22 SHEETS

PROJECT NO. 62023-970
DESIGN: [blank]
DRAWN: [blank]
CHECK: [blank]
PLOT DATE: 03-17-11
PLOT TIME: 13:35:26

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 V2023-970 DWG Production BARC004.dwg
Phil Gruber

ENGINEER'S SEAL
G. C. WALLACE
Professional Engineer
State of Nevada
No. 15789
Exp. 12/31/11

DATE: 3/17/11

126487