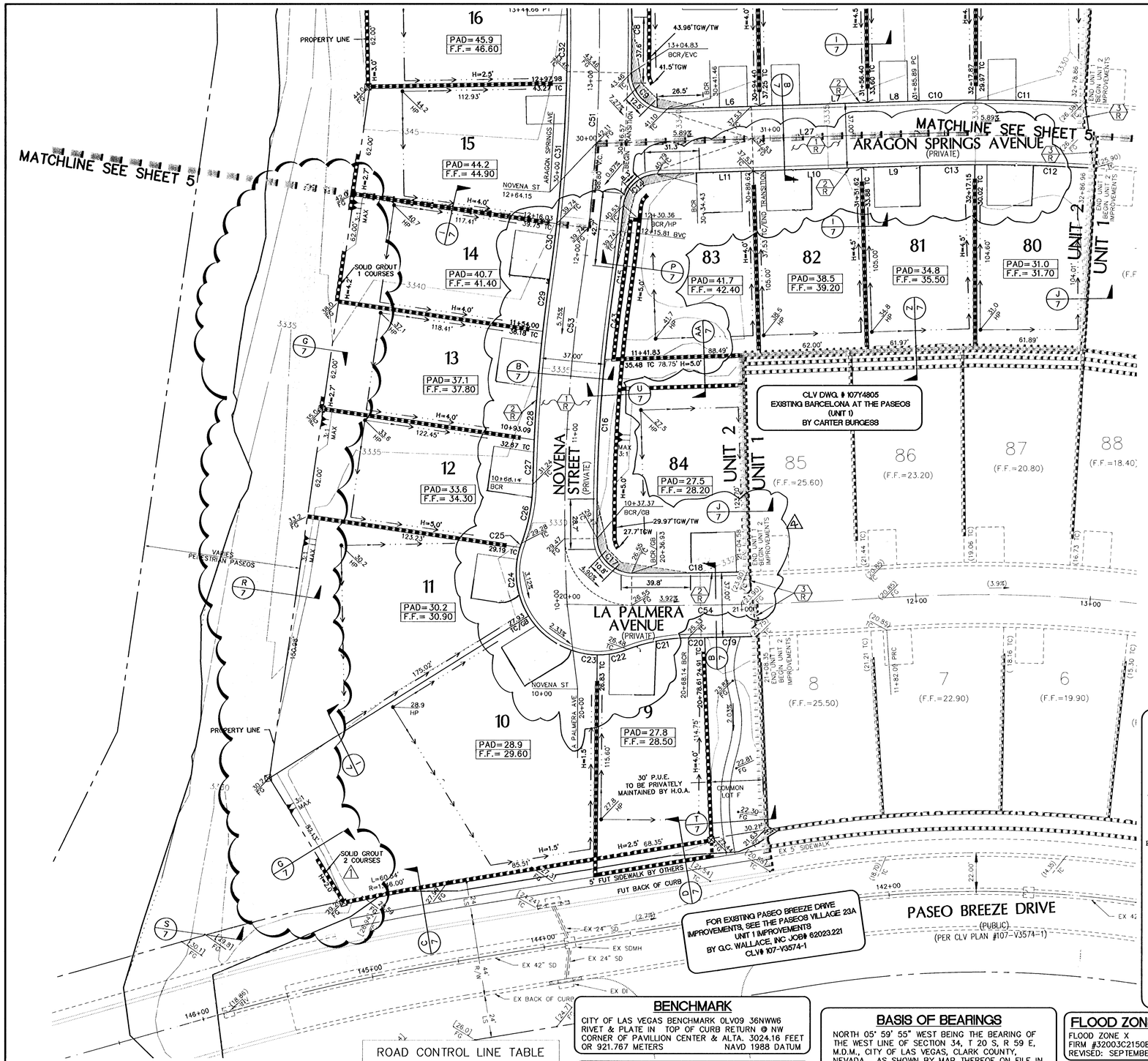
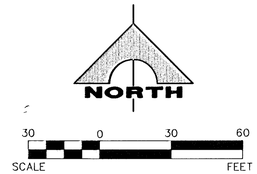




CONSTRUCTION NOTES

ROADWAY

1. INSTALL 2" AC PAVEMENT (S-14A / SS)
2. INSTALL "L" TYPE CURB & GUTTER (S-17 / SS)
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

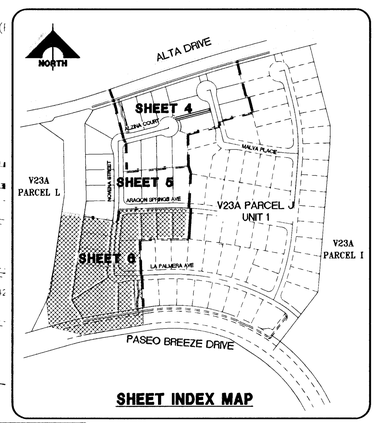
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C1	63.68'	40.50'	90.09°	40.56'
C2	23.24'	40.50'	32.88°	11.95'
C3	40.73'	40.50'	57.62°	22.27'
C4	34.82'	40.50'	49.26°	18.57'
C5	35.34'	40.50'	50.00°	18.89'
C6	15.05'	19.50'	44.22°	7.92'
C7	26.74'	20.00'	76.59°	15.79'
C8	40.56'	1018.50'	2.28°	20.28'
C9	32.49'	20.00'	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

BENCHMARK

CITY OF LAS VEGAS BENCHMARK 0LV09 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
CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-7544

CALL BEFORE YOU DIG UNDERGROUND
Call before you UnderGround
1-702-455-7511
or
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.

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

107Y4805-2

REV	DATE	DESCRIPTION	DRAWN	CHECKED	APP	DATE
1	10/26/10	REVISE DRIVEWAY WIDTH				
2	12/27/10	ADDRESS ASSOCIATED COMMENTS. DESIGN ADJUSTED				
3	3/17/11	GRADING PLANS ACCORDINGLY	SB	SB	GCW	11/14/11

ENGINEER - STATE OF NEVADA — PROFESSIONAL ENGINEER — No. 15789 — JOSHUA L. JOHNSON — CIVIL — 11/14/11

DATE: 3/17/11 — % COMPLETE

PROJECT NO. 62023-970
DESIGN:
DRAWN:
CHECK:
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\62023-970\DWG\Production\BARCo004.dwg
Phil Gruber

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

GRADING PLAN 3

DRAWING 6
6 OF 22 SHTS

123319
126487