

	EXISTING	PROPOSED
RIGHT OF WAY	EX. 8" SWP	8" SWP
SEWER MAIN	EX. 8" WTP	8" WTR
SEWER MANHOLE		
WATER MAIN		
LOT NUMBER	42	42
RATE OF GRADE	(0.50%)	0.50%
BLOCK WALL		
RETAINING WALL		
WALL PILASTER		
FINISH FLOOR ELEVATION	N/A	FF= 36.03
PAD ELEVATION	N/A	PAD= 35.2
SCARP		
LANDLOCK 450	N/A	
SVRZ	N/A	

DISCLAIMER NOTE:
 UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
 CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

Call before you Dig
 1-800-227-2600
 UNDERGROUND SERVICE (USA)

Call before you Overhead
 1-702-593-6111
 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

PRIVATE STREET NOTE:
 ALL PRIVATE STREETS ARE P.U.E. CITY OF LAS VEGAS SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY H.O.A.

DROP INLET NOTE:
 DROP INLET TO BE CONSTRUCTED WITHIN PUBLIC DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED BY H.O.A. LIMITS OF THE DRAINAGE EASEMENT ARE SHOWN ON THE FINAL MAP

EARTHWORK QUANTITIES
 ENGINEERS ESTIMATE FOR PERMITTING PURPOSES ONLY, CONTRACTOR TO VERIFY INDEPENDENTLY

NET CUT: 59,861 CY
 NET FILL: 64,134 CY

ALL GRADING SHALL CONFORM TO THE SOILS REPORT:
 ENGINEER: OWENS GEOTECHNICAL INC.
 DATE: JANUARY 6, 2004
 JOB NO: E-03-361

DRAINAGE STUDY NOTE:
 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.

DENNIS P. WERTZLER, P.E. #11970 DATE: 2-23-04

LEGAL DESCRIPTION

BEING A SUBDIVISION OF A PORTION OF PARCEL 1 AS SHOWN BY MAP THEREON 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 BEARING

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 THEREON ON FILE IN FILE #91, PAGE 28 OF PARCEL MAPS IN THE CLARK COUNTY RECORDERS OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK OLVO9 36NWN6 RIVET & PLATE IN TOP OF CURB RETURN @ NW CORNER OF PAVILION CENTER & ALTA. 3024.26 FEET OR 921.7971 METERS NAVD 1988 DATUM

NOTE:
 ELEVATIONS SHOWN ON PLANS ARE 0.30" LESS THAN ELEVATION OF CITY OF LAS VEGAS BENCHMARK SHOWN ABOVE.

CONSTRUCTION NOTES

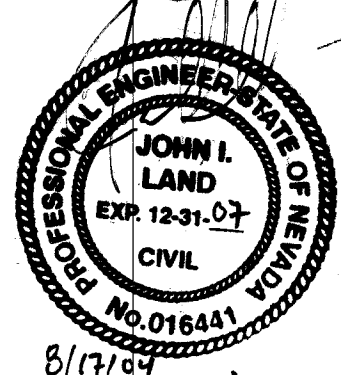
1. CONSTRUCT 2" AC PAVEMENT PER SIS DWG S-14A
2. CONSTRUCT 24" L' TYPE CURB PER SIS STD DWG S-47
3. CONSTRUCT 4" SIDEWALK PER SIS STD DWG S-72 & S-48
4. CONSTRUCT 8" VALLEY GUTTER PER SIS STD DWG S-64
5. CONSTRUCT SIDEWALK RAMP PER CL STD DWG 235 (CASE 1) (A AND B PER PLAN)
6. STORM DRAIN TO BE PRIVATELY MAINTAINED BY H.O.A.

BACK OF CURB CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	DELTA
C13	47.00'	2.54'	1.27'	3'05"29"
C14	47.00'	17.72'	8.96'	2'35"46"
C15	1980.50'	14.78'	7.39'	0'25"40"
C16	2017.50'	9.16'	4.58'	0'15"36"
C17	838.00'	5.04'	2.52'	0'20"41"
C18	2017.50'	9.30'	4.65'	0'15"51"
C19	281.50'	0.05'	0.03'	0'00"41"

FLOOD CONTROL QUANTITY ESTIMATES

2.4' THICK RIP PAP / D50=1.2'	1,770 SY
9' TYPE CM2 DI	2 EA
12' TYPE CM2 DI	1 EA
24' TYPE CM2 DI	1 EA
18" RCP STORM DRAIN	38 LF
24" RCP STORM DRAIN	46 LF
36" RCP STORM DRAIN	152 LF
42" RCP STORM DRAIN	21 LF
60" TYPE III S.D. MANHOLE	2 EA
EARTH WORK REQUIRED FOR PROTECTION BERM	1,400 CY



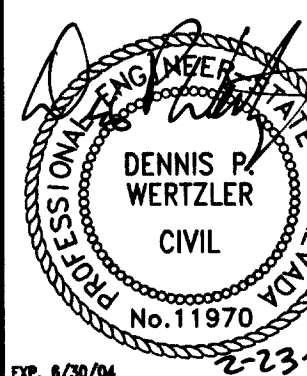
The Howard Hughes Corporation
 10000 West Charleston Boulevard, Suite 200
 Las Vegas, Nevada 89135-1004

Carter Burgess
 Consultants in Planning, Engineering,
 Construction Management, and Related Services
 6655 Bermuda Road
 Las Vegas, NV 89119
 (702) 938-5400 Fax (702) 938-5454

GRADING PLAN
 SHEET 3 OF 3

BARCELONA - UNIT 1
 THE PASEOS (V23A)

DRAWN BY: JAM
 DESIGNED BY: EB
 CHECKED BY: DW
 PROJECT NO: 240857
 SCALE: 1"=40' HORIZ. VERT. N/A



SHEET
 5
 5 OF 16 SHEETS
 CLV DRAWING NO.
 10744805

65458 Rcm 66903 Rcm 68263 Rcm 72421