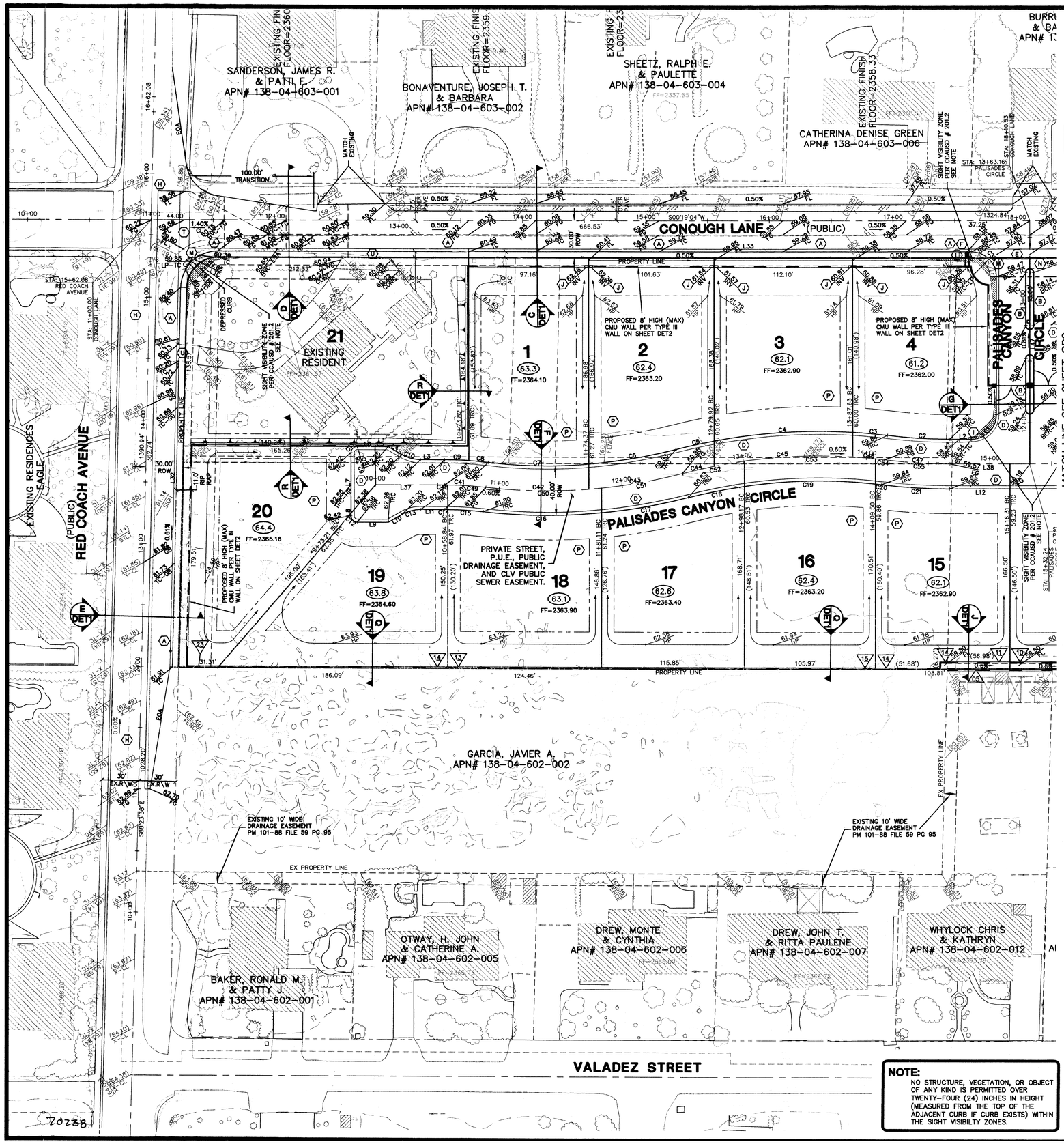


NOTE:
OVER BUILD PADS PER GEOTECHNICAL REPORT.

LINE TABLE		
LINE	LENGTH	BEARING
L1	111.63	N89°38'30"W
L2	17.55	N00°21'30"E
L3	19.41	N00°20'17"E
L4	12.96	N20°20'17"E
L5	10.54	N00°20'17"E
L6	14.46	N00°20'17"E
L7	48.73	N89°39'43"W
L8	2.27	N89°39'43"W
L9	25.00	S00°20'17"W
L10	12.96	S29°39'43"E
L11	19.41	S00°20'17"W
L12	48.96	S00°21'30"W
L32	308.31	S88°23'36"E
L33	407.18	S00°19'04"W
L37	55.78	S00°20'17"W
L38	64.55	S00°21'30"W
L47	196.66	S89°38'30"E

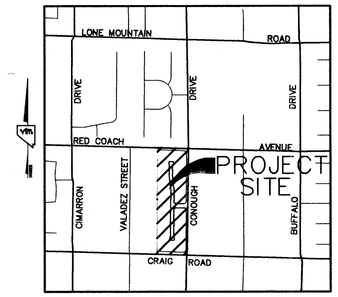
CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	31.42	20.00	90°00'00"	20.00
C2	50.59	420.01	6°54'05"	25.33
C3	28.30	460.00	3°31'28"	14.15
C4	112.60	460.00	14°01'30"	56.58
C5	31.59	460.00	3°56'05"	15.80
C6	71.91	420.00	9°48'24"	36.04
C7	81.42	420.00	11°06'27"	40.84
C8	15.94	89.63	2°51'13"	6.75
C9	19.55	320.00	3°30'03"	9.78
C10	15.71	30.00	30°00'00"	8.04
C11	7.85	5.00	90°00'00"	5.00
C12	7.85	5.00	90°00'00"	5.00
C13	15.71	30.00	30°00'00"	8.04
C14	2.57	280.00	0°31'35"	1.29
C15	28.48	280.00	5°49'41"	14.25
C16	96.22	460.00	11°59'05"	48.29
C17	71.71	460.00	8°55'56"	35.93
C18	46.26	420.00	6°18'39"	23.15
C19	106.27	420.00	14°29'50"	53.42
C20	4.96	420.00	0°40'34"	2.48
C21	55.41	460.04	6°51'29"	27.57
C35	46.45	30.00	88°42'40"	29.33
C38	31.42	20.00	90°01'33"	20.01
C41	33.27	300.00	6°21'16"	16.65
C42	83.64	440.00	10°53'31"	41.95
C43	76.99	440.00	10°01'30"	38.59
C44	26.47	440.00	3°26'48"	13.24
C45	112.65	440.00	14°40'07"	56.63
C46	25.87	440.00	3°22'08"	12.94
C47	53.00	440.00	6°54'06"	26.53
C48	2.58	300.00	0°29'33"	1.29
C49	28.10	300.00	5°22'03"	14.06
C50	94.02	440.00	12°14'33"	47.19
C51	66.62	440.00	8°40'28"	33.37
C52	51.37	440.00	6°41'21"	25.71
C53	106.24	440.00	13°50'05"	53.38
C54	7.37	440.00	0°57'37"	3.69
C55	53.00	440.00	6°54'06"	26.53

LEGEND

FG	FINISH GRADE
FL	FLOW LINE
TC	TOP OF CURB
TRC	TOP OF ROLL CURB
EAC	EDGE OF ASPHALT PAVEMENT
FUT.	FUTURE
EXIST	EXISTING (EX.)
VG	VALLEY GUTTER
NG	NATURAL GROUND
H.P.	HIGH POINT
L.P.	LOW POINT
℄	CENTER LINE
O/C	OFFSET CROWN
BC	BACK OF CURB
BCR	BEGIN CURB RETURN
TF	TOP OF FOOTING
GB	GRADE BREAK
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PRC	POINT OF REVERSE CURVATURE
PCC	POINT OF COMPOUND CURVATURE
BVC	BEGIN VERTICAL CURVE
MVC	MID-POINT OF VERTICAL CURVE
EVC	END VERTICAL CURVE
PRVC	POINT OF REVERSE VERTICAL CURVE
VPI	VERTICAL POINT OF INTERSECTION
TPW	TOP OF PLANTER WALL
TRW	TOP OF RETAINMENT WALL
TOP	TOP OF CHANNEL/SCARP
TOE	TOE OF CHANNEL/SCARP
TOB	TOP OF BOX
PP	POWER POLE
TRANS.	TRANSITION
RET.	RETAINMENT
INT.	INTERSECTION
D.G.	DESIGN GRADE
TSW	TOP OF SIDEWALK
FF=	FINISH FLOOR
GFF=	GARAGE FINISH FLOOR
BFE=	BASE FLOOD ELEVATION
R/W	RIGHT-OF-WAY
S/W	SIDEWALK

2400	EX. CONTOUR(5' INTERVAL)
	EX. CONTOUR(1' INTERVAL)
	PROPOSED CONTOUR
42.1	PROPOSED PAD GRADE
42.1	FUT./EXIST. PAD GRADE
0.50%	SLOPE AND FLOW DIRECTION
	EDGE OF EXIST A.C.
	SAW CUT & MATCH A.C.
OR	SIDEWALK RAMP
	PAD SWALE SLOPES
	SCARP AREA
27	LOT NUMBER
4	BLOCK NUMBER
2.5	RETAINING HEIGHT (FEET)
	SIGHT VISIBILITY ZONES
	PROJECT BOUNDARY LINE
	SETBACK LINE
	R/W OR P/L
	EXIST. IMPROVEMENTS
	FUTURE IMPROVEMENTS
	CENTER LINE
	RETAINING WALL
	CONC. BLOCK WALL
	EXIST.CONC. BLOCK WALL
	EXIST. DIRT ROAD
	EXIST. AC
	CONSTRUCTION PHASE LINE OR UNIT BOUNDARY LINE
	MATCHLINE
	SAW CUT, MATCH & REPLACE EXIST. ASPHALT
• • •	REMOVEABLE BOLLARD POLE FOR 15' & 20' DRAIN. EASEMENTS

NOTE:
NO STRUCTURE, VEGETATION, OR OBJECT OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXISTS) WITHIN THE SIGHT VISIBILTY ZONES.



LOCATION MAP

Avoid overhead power line contact. It's costly.
Call before you Overhead 1-702-593-6111

Avoid cutting underground utility lines. It's costly.
Call before you Dig 1-800-227-2600

Call before you Underground 1-702-455-7111
CLARK COUNTY DEVELOPMENT SERVICES
1-702-229-6011
LAS VEGAS AREA CONTROLLED TRAFFIC SYSTEM

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS PROJECT IS NORTH 00°19'04" EAST BEING EAST LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 4, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON A FINAL MAP ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE IN FILE 9 AT PAGE 40.

BENCHMARK

PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD88)

CITY OF LAS VEGAS BENCHMARK #BLV00-4E6
NAVD88 ELEVATION: 718.0830 METERS (2355.91 FEET)

RIVET AND PLATE IN CONCRETE CYLINER AT SOUTHEAST CORNER OF CRAIG AND CONOUGH

FOR ALL GRADING & STREET SECTIONS SEE DETAIL SHEET DET1

CONSTRUCTION KEY NOTES:

(PER U.S.D.C.C.A. STANDARD DRAWINGS)

- (A) CONSTRUCT "L" CURB & GUTTER PER STD. # 216
- (B) CONSTRUCT "A" ISLAND CURB PER STD. # 219
- (C) CONSTRUCT SIDEWALK PER STD. # 234
- (D) CONSTRUCT "ROLL" CURB & GUTTER PER STD. # 217A
- (E) CONSTRUCT 8' CROSS GUTTER PER STD. # 228
- (F) CONSTRUCT 2' SIDEWALK UNDER DRAIN PER STD. # 236
- (G) CONSTRUCT DEPRESSED CURB PER SHEET DET1 DETAIL "O"
- (H) CUT & MATCH 2' BEYOND EXIST. A.C.
- (I) CONSTRUCT 10' CURB TYPE TRANSITION PER SHEET DET1 DETAIL "P"
- (J) CONSTRUCT 4' X 16" DRAINAGE OPENING IN BLOCK WALL PER SHEET DET1 DETAILS "J" & "K"
- (K) CONSTRUCT REMOVABLE BOLLARDS PER SHEET DET1
- (L) CONSTRUCT CONCRETE "U" CHANNEL PER SHEET DET1 DETAILS "J" & "L"
- (M) CONSTRUCT SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCAUSD # 235 CASE 1
- (N) CONSTRUCT RESIDENTIAL DRIVEWAY PER STD. # 222A & 225
- (O) CONSTRUCT 6' HIGH IRON GATE SHEET DET1 DETAILS "F" & "G"
- (P) CONSTRUCT CHANNEL STEM WALL SEE SHEET DET1 DETAIL "M"
- (Q) CONSTRUCT DRIVEWAY WITH MIN. LENGTH OF 25'
- (R) CONSTRUCT DRIVEWAY WITH MIN. LENGTH OF 36'
- (S) CONSTRUCT DRIVEWAY WITH MIN. LENGTH OF 60'
- (T) CONSTRUCT 8' CROSS GUTTER PER STD. # 229
- (U) CONSTRUCT RESIDENTIAL DRIVEWAY PER STD. # 222 & 223

ENGINEER DISCLAIMER NOTE:

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

NOTE:
COMPLETION OF SECTION II OF DRAINAGE COMPLIANCE REPORT REQUIRED.

"I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH HTE# 03-26035 APPROVED DRAINAGE STUDY ON FILE AT CLARK COUNTY DEVELOPMENT SERVICES FOR THIS PROJECT."

IAN K. JOHNSTON NO. 12181 DATE 6/1/04

3074874

REV	DATE	BY	REVISION

D&S DEVELOPMENT
3638 N. RANCHO DRIVE
LAS, VEGAS NV 89130-3468
(702) 382-0566

vtn nevada CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS
2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148
PH. (702) 873-7550 FAX (702) 362-2597

CLARK COUNTY, NEVADA

GRADING PLAN

CONOUGH / CRAIG

AUG, 2003

DRAWN BY: JWN
DESIGNED BY: JWN
CHECKED BY:
PROJECT NO: 6202
SCALE: 1"=40' HORIZ. N/A VERT.

PROFESSIONAL ENGINEER STATE OF NEVADA
IAN K. JOHNSTON
CIVIL
No. 12181
EXPIRES 6-30-05

SHEET
GR1
5 OF 17 SHEETS

DRAWING NO.
HTE# 04-15163

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