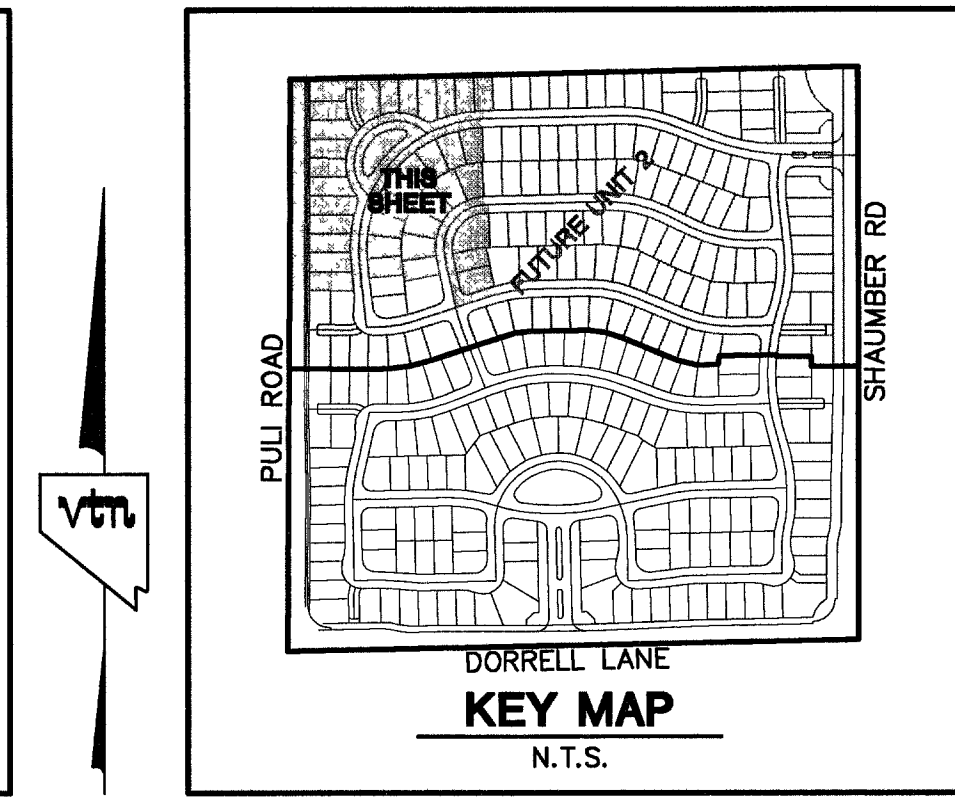
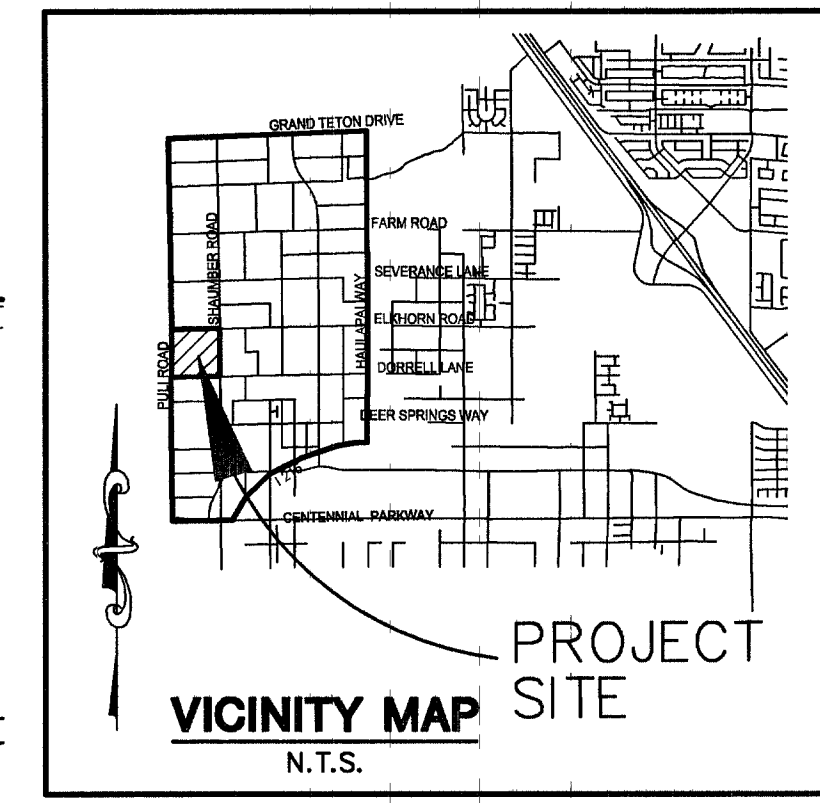
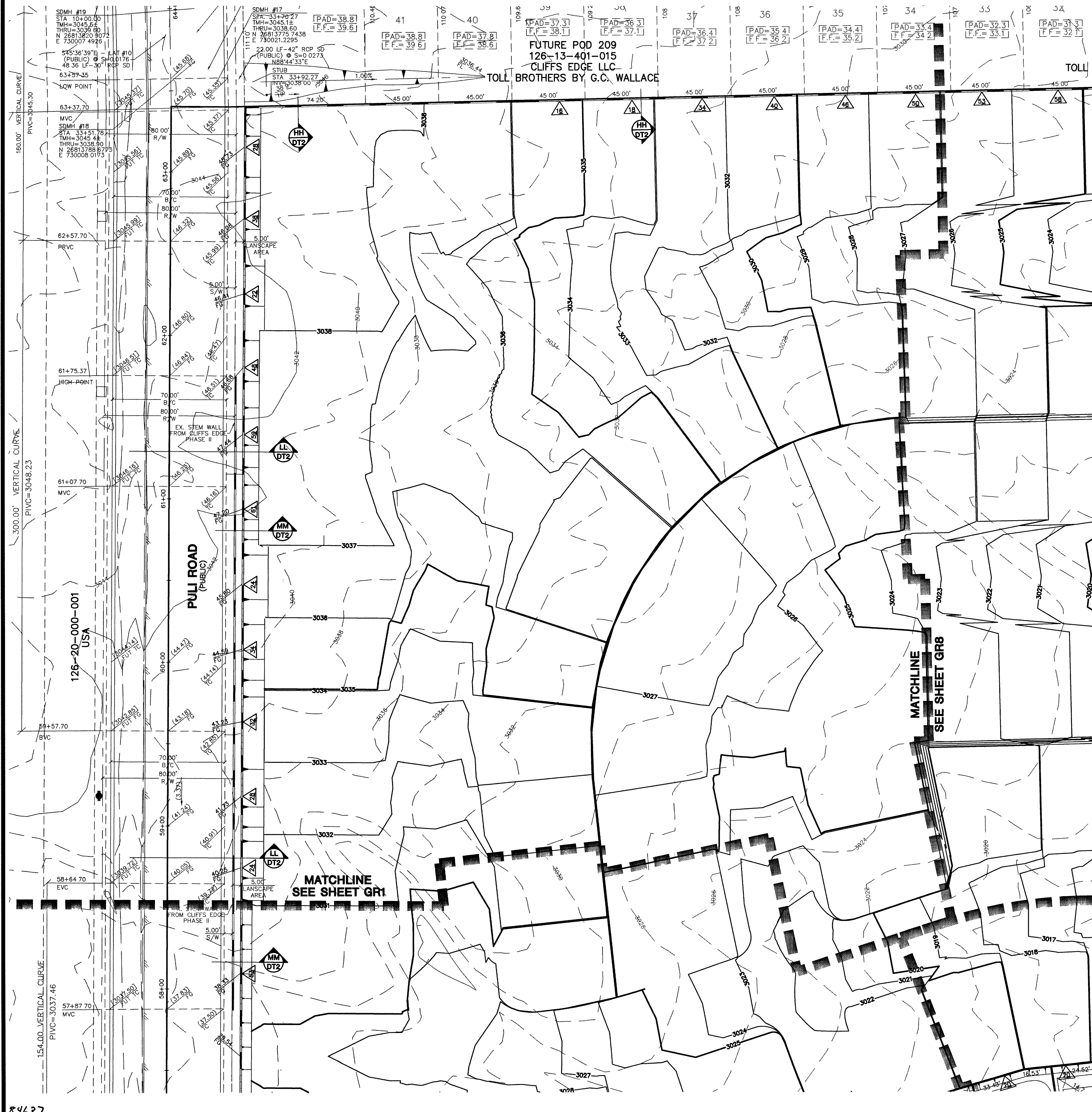




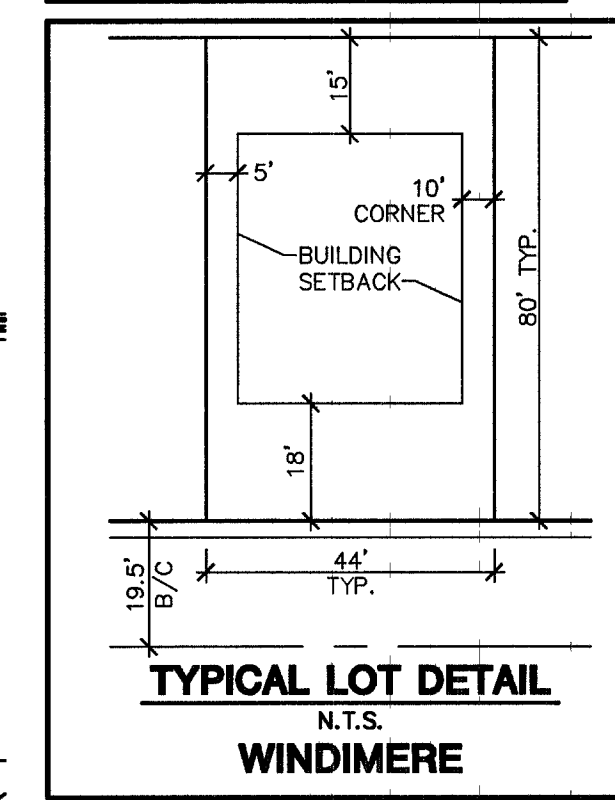
Call before you Overhead
1-702-227-2929

Call before you Dig
1-800-227-2600

Call before you Underground
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS AND
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

ENGINEER'S ESTIMATE OF FLOOD CONTROL QUANTITIES

1 COURSE SOLID GROUTED STEM WALL	388 L.F.
2 COURSE SOLID GROUTED FLOOD WALL	693 L.F.
3 COURSE SOLID GROUTED FLOOD WALL	1,160 L.F.
DRAINAGE EASEMENT	1,674 SQ. FT.
42" RCP	74.41 L.F.
22.5" D.I.	1 EA.



LEGEND

EX. CONTOUR(5' INTERVAL)
EX. CONTOUR(1' INTERVAL)
PROPOSED CONTOUR
PROPOSED PAD GRADE
FUT./EXIST. PAD GRADE
SLOPE AND FLOW DIRECTION
EDGE OF EXIST. A.C.
SAW CUT & MATCH A.C.
SIDEWALK RAMP
PAD SWALE SLOPES

ABBREVIATIONS

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
C/L CENTER LINE
O/C OFFSET CROWN
BC BACK OF CURB

SCARP AREA
LOT NUMBER
BLOCK NUMBER
RETAINING HEIGHT (FEET) AS MEASURED FROM ROUGH GRADE
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

CONSTRUCTION NOTES

(A) CONSTRUCT 24" "L" TYPE CURB & GUTTER PER STD. DWG. NO. 216
(B) CONSTRUCT 30" "ROLL" TYPE CURB & GUTTER PER STD. DWG. NO. 217A
(C) CONSTRUCT "A" TYPE ISLAND CURB PER STD. DWG. NO. 219
(D) CONSTRUCT CONCRETE CROSS GUTTER PER STD. DWG. NO. 228
(E) CONSTRUCT 5" CONCRETE SIDEWALK PER STD. DWG. NO. 234
(F) CONSTRUCT WHEEL CHAIR RAMP PER STD. DWG. NO. 235 CASE 1
(G) CONSTRUCT 2" WIDE UNDER SIDEWALK DRAIN PER STD. DWG. NO. 236
(H) CONSTRUCT DEPRESSURED CURB SECTION PER DETAIL ON SHEET DT2
(I) CONSTRUCT 10" "L" TO "ROLL" CURB TRANSITION PER DETAIL ON SHEET DT2

HC RAMP DATA

NO.	"A"	"B"	CASE
1	8'	8'	

CUT = 98,908 C.Y.
FILL = 118,700 C.Y.
(ADJUSTED)
I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT CITY OF LAS VEGAS, NEVADA FOR THIS PROJECT, DS3665.
Christopher R. Grubbs 10/19/05
P.E. NO. 13956 DATE

CONTRACTOR NOTE
CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

PROJECT BENCHMARK
DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
CITY OF LAS VEGAS BENCHMARK: BLV89:135ES
NAVD88 ELEVATION: 869.608 METERS (2853.03 FEET)
RIVET AND PLATE IN CONCRETE CYLINDER NW CORNER OF HUALAPAI AND ELKHORN
NOTE: WHEN THE SURVEYING FOR THIS PROJECT BEGAN, THE ABOVE REFERENCED BENCHMARK BLV89:135ES WAS NOT PUBLISHED. THE BASIS FOR THE DATUM FOR THIS PROJECT IS SHOWN ON RECORD OF SURVEY FILE 124 PAGE 84, CLARK COUNTY BENCHMARK 1C00-6N6, WHICH AT THE TIME OF THE ORIGINAL SURVEY (PRIOR TO THE CURRENT 2003 COUNTY BENCHMARK PUBLISHING) HAD AN ELEVATION OF 2984.61 FEET. TO CONVERT THE CURRENT CITY OF LAS VEGAS BENCHMARK BLV89:135ES TO MATCH THE ORIGINAL PROJECT DATUM, 0.34' NEEDS TO BE ADDED TO THE ELEVATION OF 2853.03 FEET.

BASIS OF BEARINGS
THE BASIS OF BEARINGS FOR THIS PROJECT IS NORTH 00°08'16" EAST BEING THE EAST LINE OF THE NORTHWEST QUARTER (NE 1/4) OF THE SECTION 24, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE IN FILE 123 AT PAGE 32.

NOTE:
ALL DRAINAGE EASEMENTS MUST BE COMMON LOTS & PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY H.O.A.

NOTES:
1. ALL PRIVATE STREETS AND PRIVATE DRIVES ARE P.U.E., CLV PUBLIC SEWER EASEMENTS, & PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED.
2. SEE SHEET DT1 FOR SECTIONS AND DETAILS.

KIMBALL HILL
8 SUNSET WAY, SUITE 101
HERNDON, NEVADA 89014
(702) 436-4882

GRADING PLAN 7

WINDIMERE @ PROVIDENCE / CLIFFS EDGE
POD 211 - UNIT 1

DRAWN BY: BLW/TP
DESIGNED BY: BLW
CHECKED BY: CRG
PROJECT NO: 5400

10/05
10/05
10/05
10/05

SCALE: 1"=30'
HORIZ.
VERT.

REVISION

REV	DATE	BY
1		
2		
3		
4		
5		
6		
7		

CITY OF LAS VEGAS

2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148
PH. (702) 873-7550 FAX (702) 362-2597

neveda
CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS

PROFESSIONAL ENGINEER - STATE OF NEVADA
CHRISTOPHER R. GRUBBS
No. 13956
EXPIRES 06-30-07

10/19/05

GR7
18 OF 52 SHEETS
DRAWING NO. 10744888-1