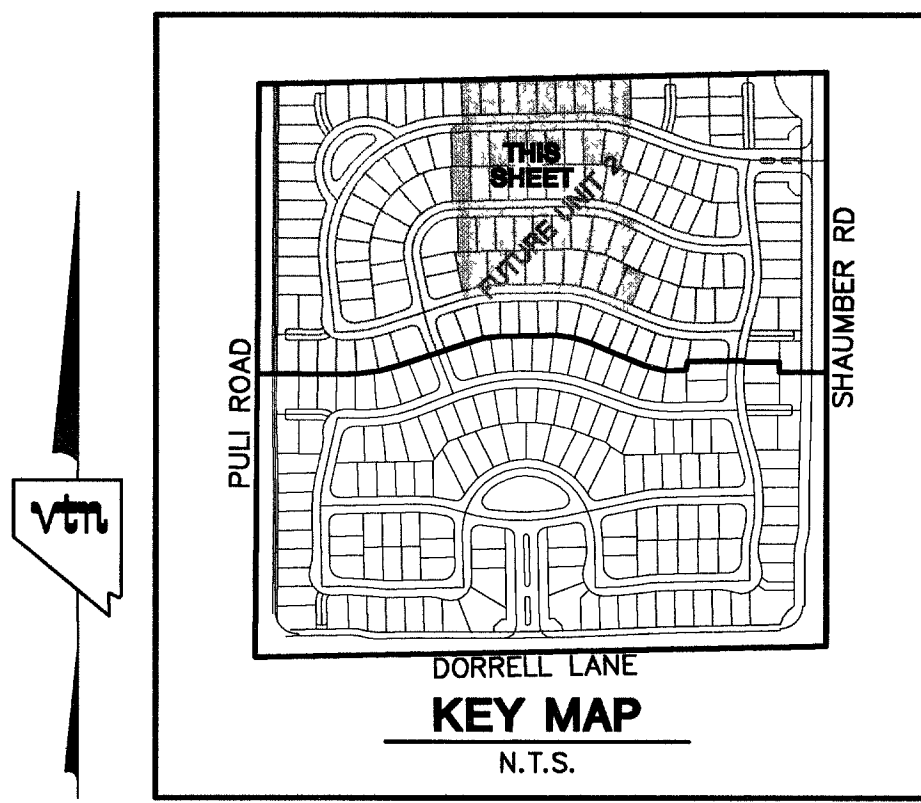
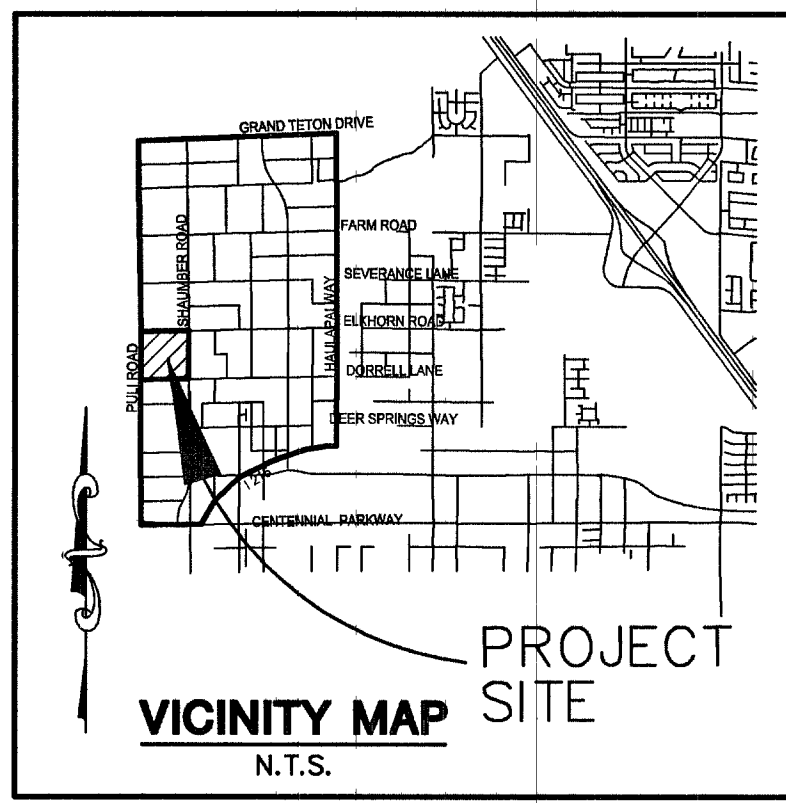
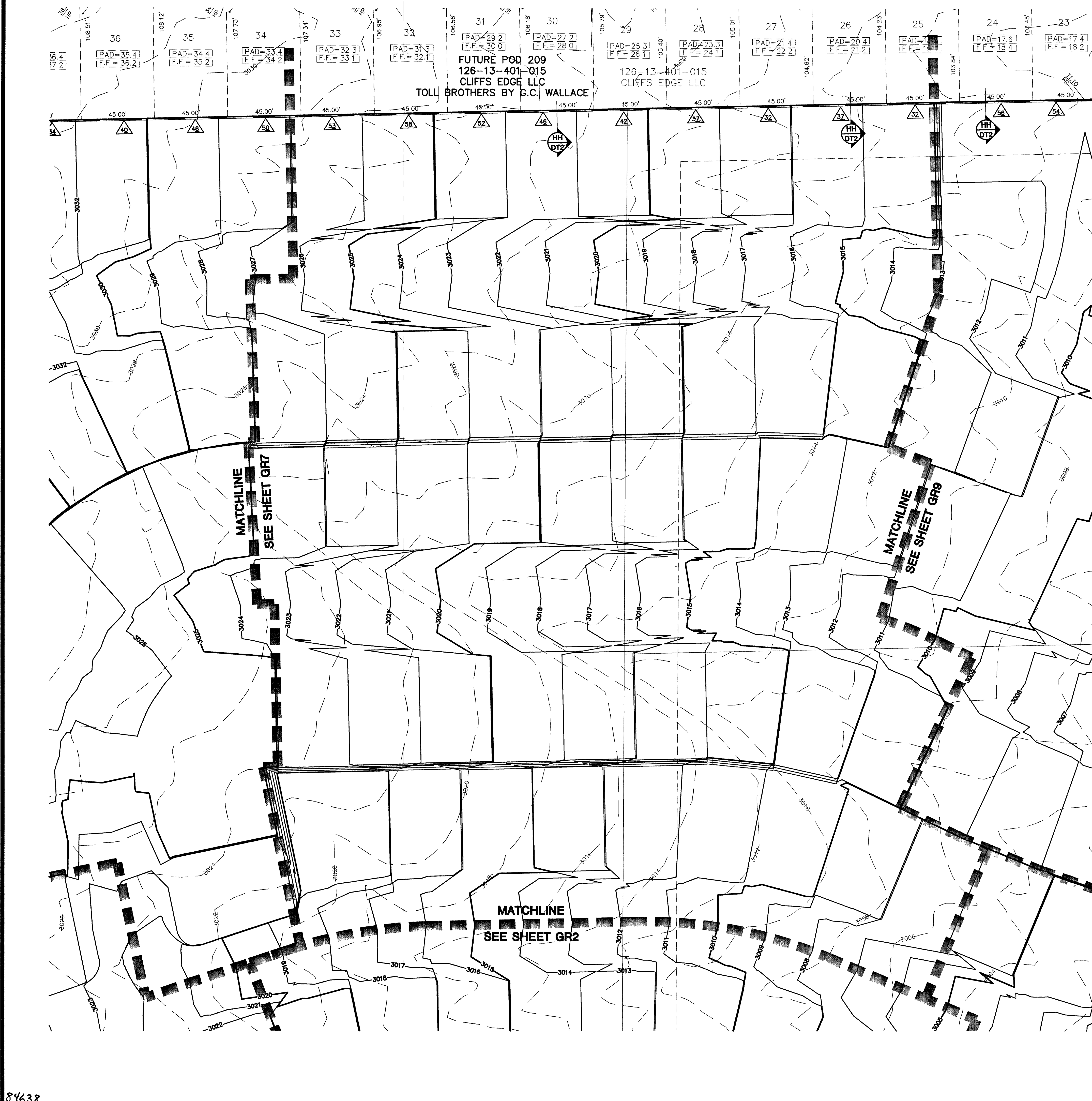




Call before you Overhead
1-702-227-2929

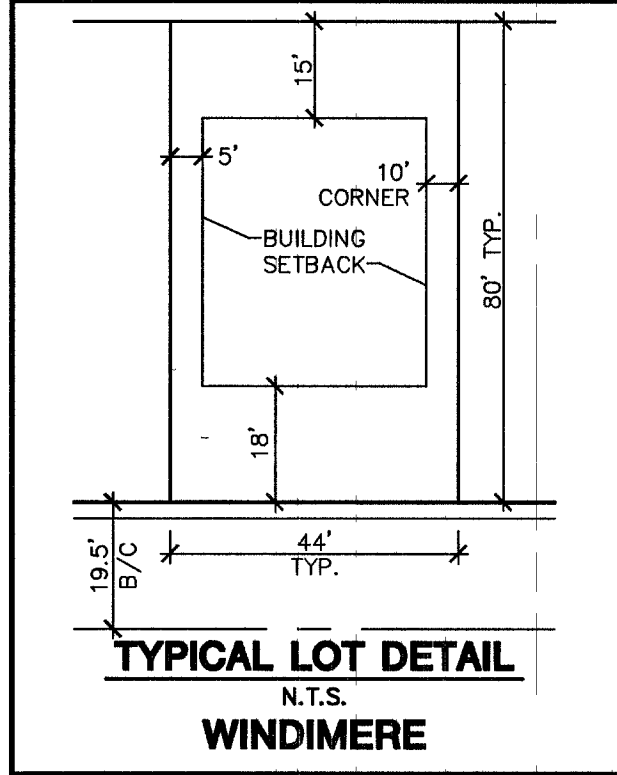
Call before you Dig
1-800-227-2600

Call before you Underground
1-702-455-7511
1-702-229-6611

CLARK COUNTY TRAFFIC OPERATIONS AND 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
TF TOP OF FOOTING
TC TOP OF CURB
TRC TOP OF ROLL CURB
EAC EDGE OF ASPHALT PAVEMENT
FUT. FUTURE
FUT. 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

PROJECT BENCHMARK

DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
CITY OF LAS VEGAS BENCHMARK: BLV99-13SES
NAVD88 ELEVATION: 869.606 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 BLV99-13SES WAS NOT PUBLISHED. THE BASIS FOR THE DATUM FOR THIS PROJECT IS SHOWN ON RECORD OF SURVEY FILE 124 PAGE 94, CLARK COUNTY BENCHMARK 1000-5N6, WHICH AT THE TIME OF THE ORIGINAL SURVEY (PRIOR TO THE CURRENT 2003 COUNTY BENCHMARK PUBLISHING) HAD AN ELEVATION OF 2584.61 FEET. TO CONVERT THE CURRENT CITY OF LAS VEGAS BENCHMARK BLV99-13SES 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.

HC RAMP DATA

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

CUT = 98,909 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, DS3685.

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.

- 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 DEPRESSIONED CURB SECTION PER DETAIL ON SHEET DT2
 - (I) CONSTRUCT 10' "L" TO "ROLL" CURB TRANSITION PER DETAIL ON SHEET DT2.

SCARP AREA
LOT NUMBER
BLOCK NUMBER
RETAINING HEIGHT (FEET)
POWER POLE
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

KIMBALL HILL
8 SUNSET WAY, SUITE 101
HENDERSON, NEVADA 89014
(702) 436-4582

GRADING PLAN 8

WINDIMERE / CLIFFS EDGE
PROVIDENCE / CLIFFS EDGE
POD 211 - UNIT 1

DRAWN BY: 10/05
DESIGNED BY: 10/05
CHECKED BY: 10/05
PROJECT NO: 10744888-1

SCALE: 1"=30' HORIZ.
N/A VERT.

EXPIRES 05-30-07
10/19/05

19 OF 52 SHEETS
DRAWING NO. 10744888-1