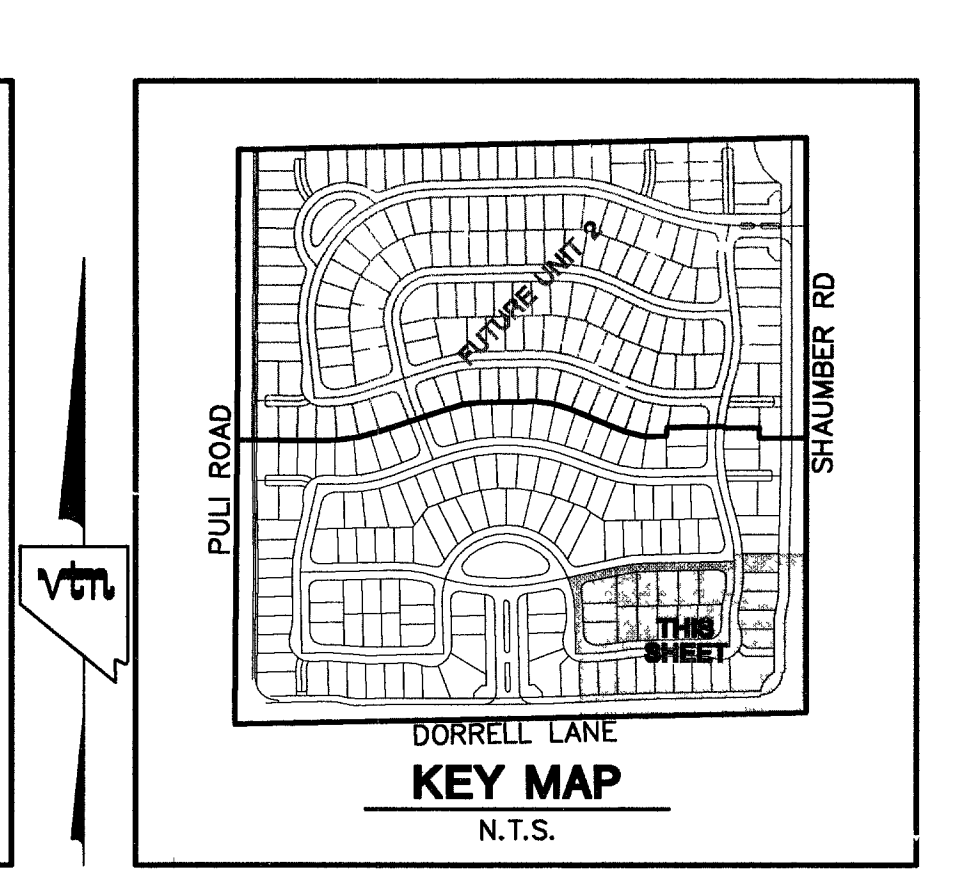
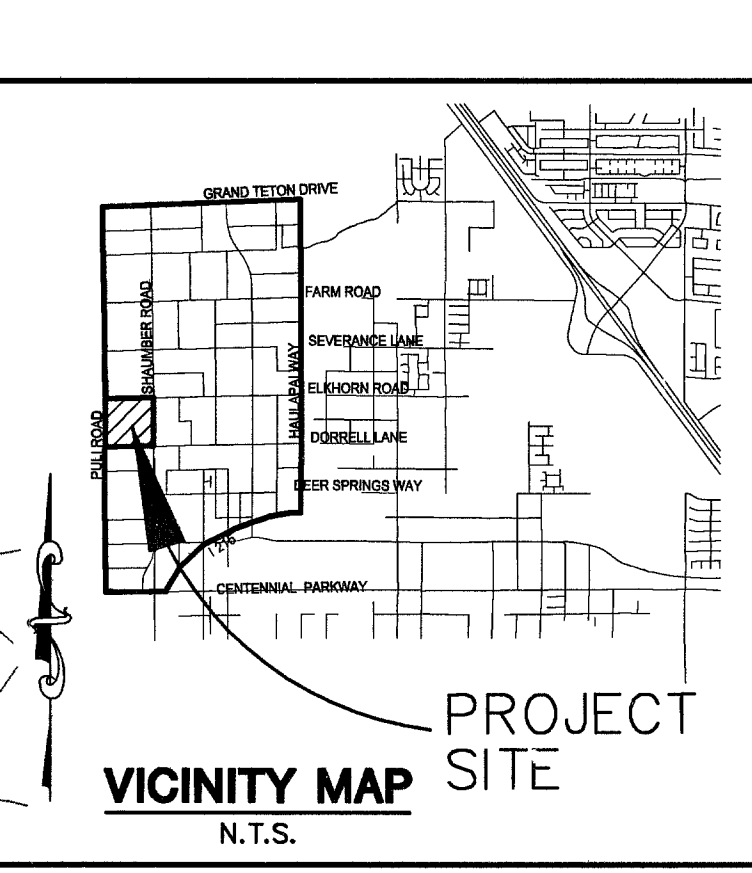
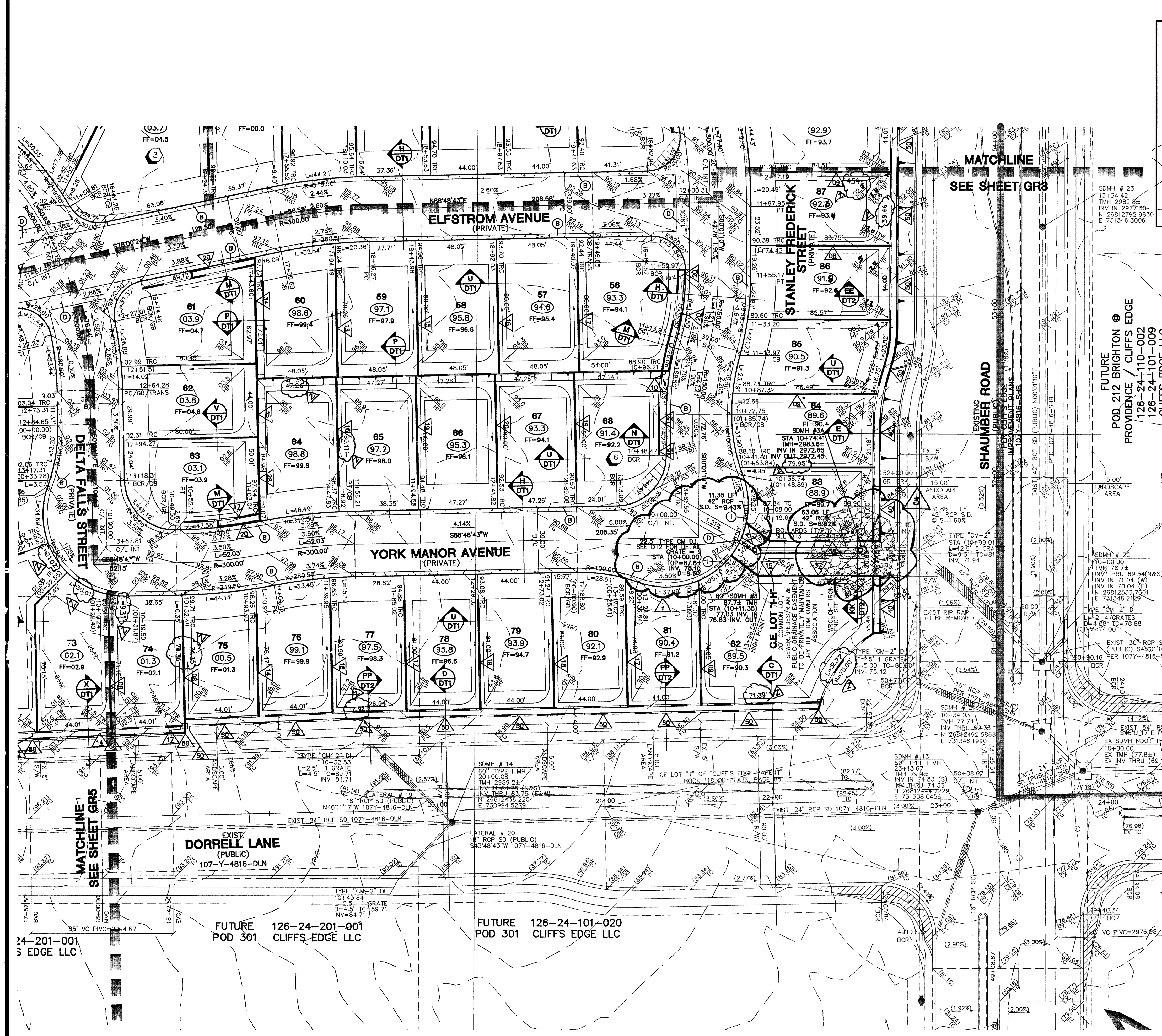
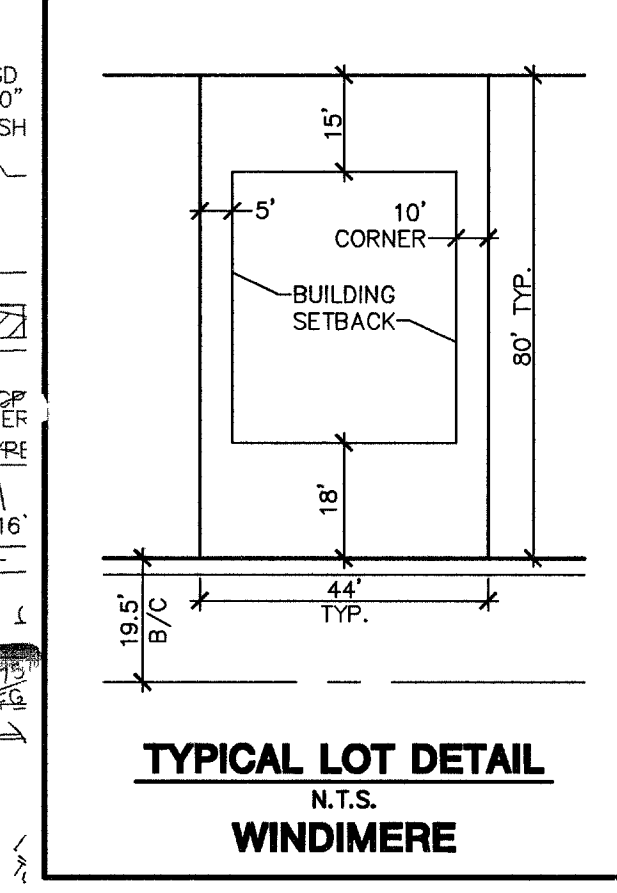




Call before you Underground
CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-7511
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

ENGINEER'S ESTIMATE OF FLOOD CONTROL QUANTITIES

1 COURSE SOLID GROUTED STEM WALL	388 LF.
2 COURSE SOLID GROUTED FLOOD WALL	693 LF.
3 COURSE SOLID GROUTED FLOOD WALL	1,160 LF.
DRAINAGE EASEMENT	1,674 SQ. FT.
42" RCP	74.41 LF.
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
 - 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

- 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
 - MVC M/2-POINT OF VERTICAL CURVE
 - L.P. LOW POINT
 - C/L 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
 - M/2-POINT OF VERTICAL CURVE
 - 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
 - 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= R/W
 - S/W= SIDEWALK

PROJECT BENCHMARK
DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
CITY OF LAS VEGAS BENCHMARK: BLV98:13SES
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 BLV98:13SES WAS NOT PUBLISHED. THE BASIS FOR THE DATUM FOR THIS PROJECT IS SHOWN ON RECORD OF SURVEY FILE 124 PAGE 94, CLARK COUNTY BENCHMARK 1000-6NS, 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 BLV98:13SES 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'	1

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, DS3665.

Christopher R. Grubbs
CHRISTOPHER R. GRUBBS
P.E. NO. 13956

- CONSTRUCTION NOTES**
- CONSTRUCT 24" "L" TYPE CURB & GUTTER PER STD. DWG. NO. 216
 - CONSTRUCT 30" "ROLL" TYPE CURB & GUTTER PER STD. DWG. NO. 217A
 - CONSTRUCT "A" TYPE ISLAND CURB PER STD. DWG. NO. 219
 - CONSTRUCT CONCRETE CROSS WALK PER STD. DWG. NO. 228
 - CONSTRUCT 5" CONCRETE SIDEWALK PER STD. DWG. NO. 234
 - CONSTRUCT WHEEL CHAIR RAMP PER STD. DWG. NO. 235 CASE 1
 - CONSTRUCT 2' WIDE UNDER SIDEWALK DRAIN PER STD. DWG. NO. 236
 - CONSTRUCT DEPRESSED CURB SECTION PER DETAIL ON SHEET DT2
 - CONSTRUCT 10' "L" TO "ROLL" CURB TRANSITION PER DETAIL ON SHEET DT2.

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

Call before you Overhead
1-702-227-2929

Call before you Dig
1-800-227-2600

98260
89434 Blm 92424 2L

CITY OF LAS VEGAS

KIMBALL HILL

GRADING PLAN 6

WINDIMERE • CLIFFS EDGE

PROVIDENCE / CLIFFS EDGE

POD 211 - UNIT 1

DESIGNED BY: 10/05

CHECKED BY: 10/05

PROJECT NO.: 10/05

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

EXPIRES: 06-30-07

17 OF 52 SHEETS

10744888-1