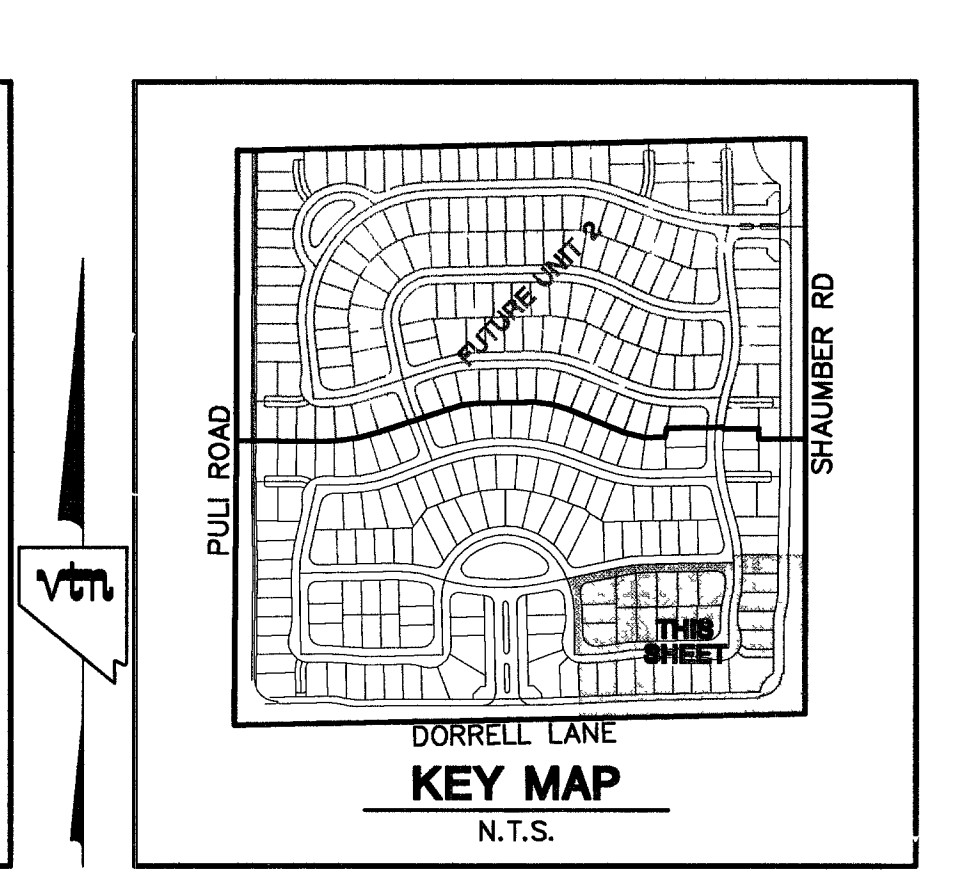
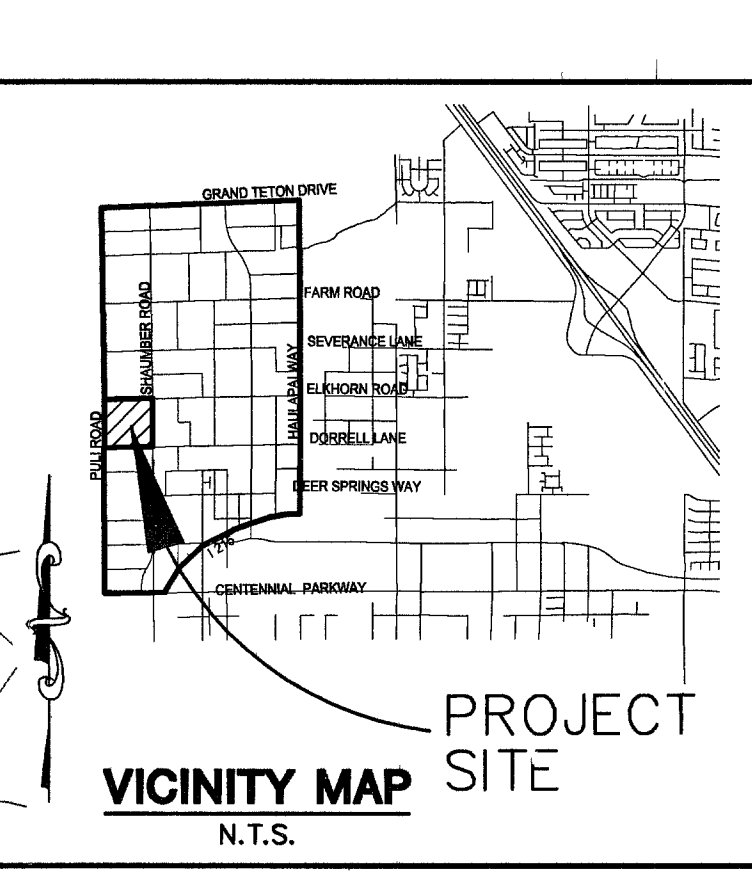
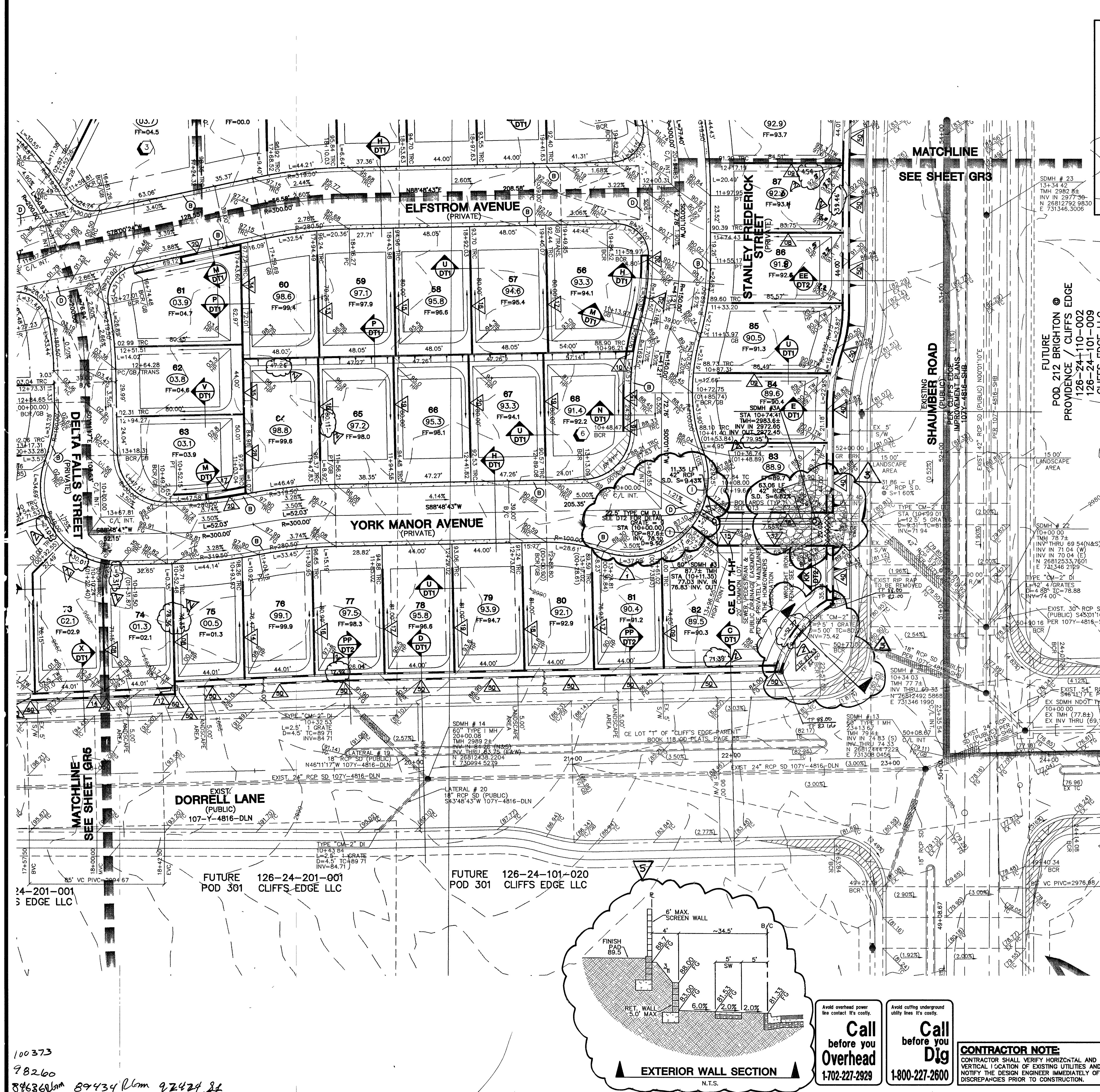
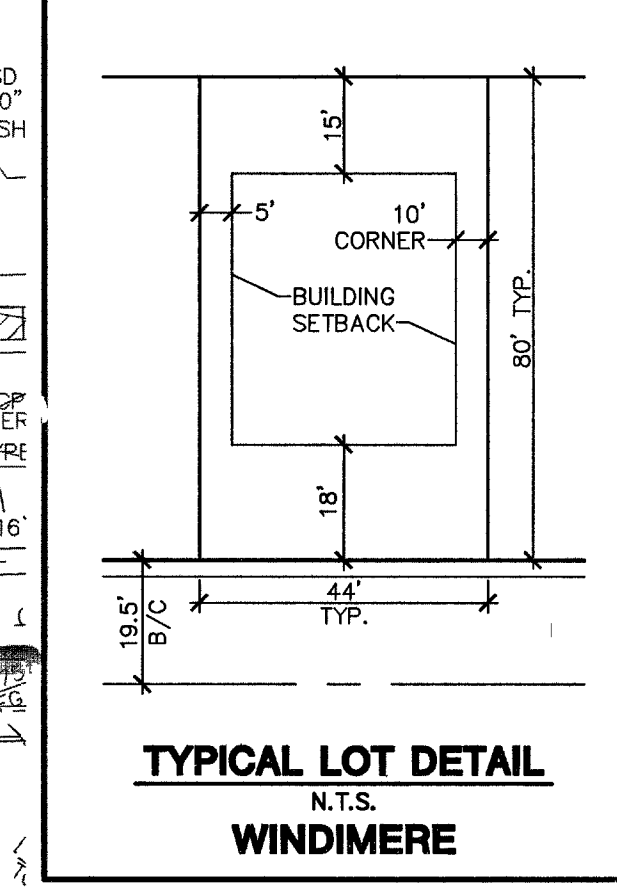




Call before you Undergrade
CLARK COUNTY PUBLIC OPERATIONS
1-702-455-7511
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

ENGINEER'S ESTIMATE OF FLOOD CONTROL QUANTITIES

1 COURSE SOLID GROUTED STEM WALL	388 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
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

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
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

BCR BEGIN CURB RETURN
TOE TOP OF FOOTING
GB GRADE BREAK
PC POINT OF CURVATURE
PT POINT OF TANGENCY
PCC POINT OF REVERSE CURVATURE
POC POINT OF COMPOUND CURVATURE
BVC BEGIN VERTICAL CURVE
M/V POINT OF VERTICAL CURVE
EVC END VERTICAL CURVE
PVC 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 TOP OF CHANNEL/SCARP
TOB TOP OF BOX
PP POWER POLE
TS/INS. 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

CONSTRUCTION NOTES

- CONSTRUCT 24" "L" TYPE CURB & GUTTER PER STD. DWG. NO. 218
- 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 DEPRESSIONED CURB SECTION PER DETAIL ON SHEET DT2
- CONSTRUCT 10" "L" TO "ROLL" CURB TRANSITION PER DETAIL ON SHEET DT2

PROJECT BENCHMARK
DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
CITY OF LAS VEGAS BENCHMARK: BLV98:135ES
NAVD88 ELEVATION: 869.806 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 BLV98:135ES WAS NOT PUBLISHED. THE BASIS FOR THE DATUM FOR THIS PROJECT IS SHOWN ON RECORD OF SURVEY FILE 124 PAGE 94, CLARK COUNTY BENCHMARK 1000-866, 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 BLV98:135ES 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 EASTING 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	10'	10'	CUT - 98,900 C.Y.
2	10'	10'	FILL - 118,700 C.Y. (ADJUSTED)

7. 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
P.E. NO. 13956

100373
98260
896366m 89434 Rm 92424 2L

Call before you Overhead
1-702-227-2929

Call before you Dig
1-800-227-2600

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

CITY OF LAS VEGAS

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. VERT. N/A

100373

98260

896366m 89434 Rm 92424 2L

10744888-1