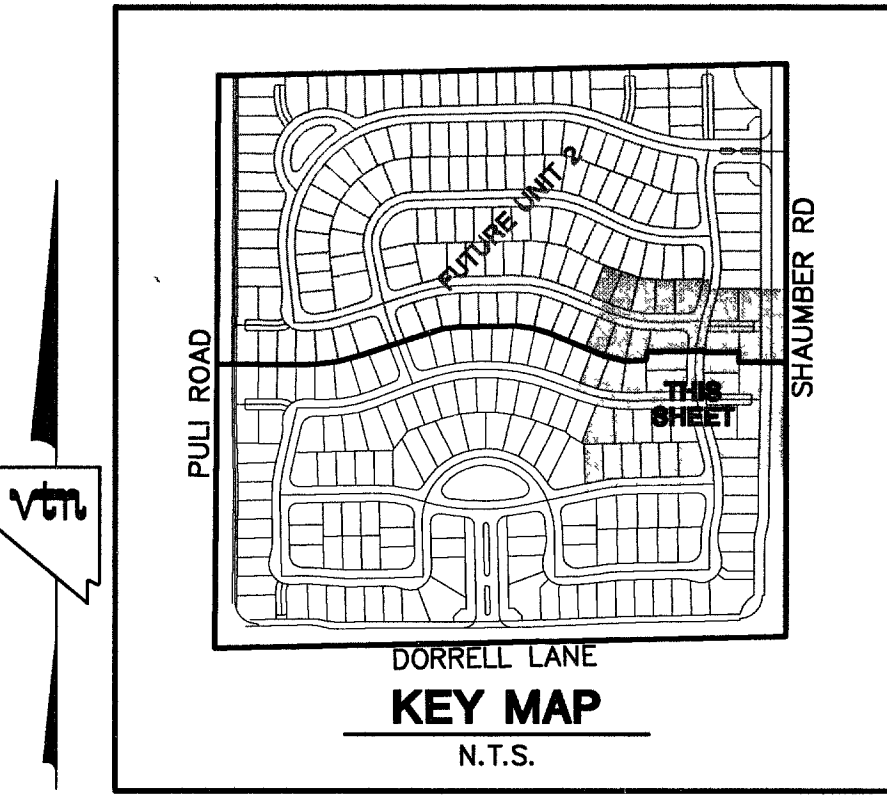
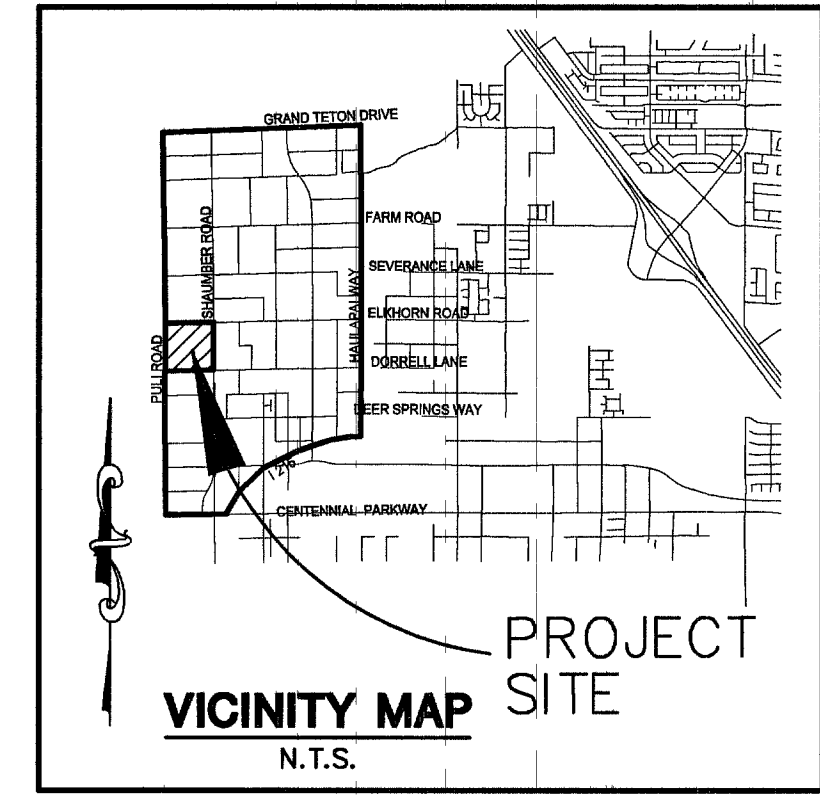
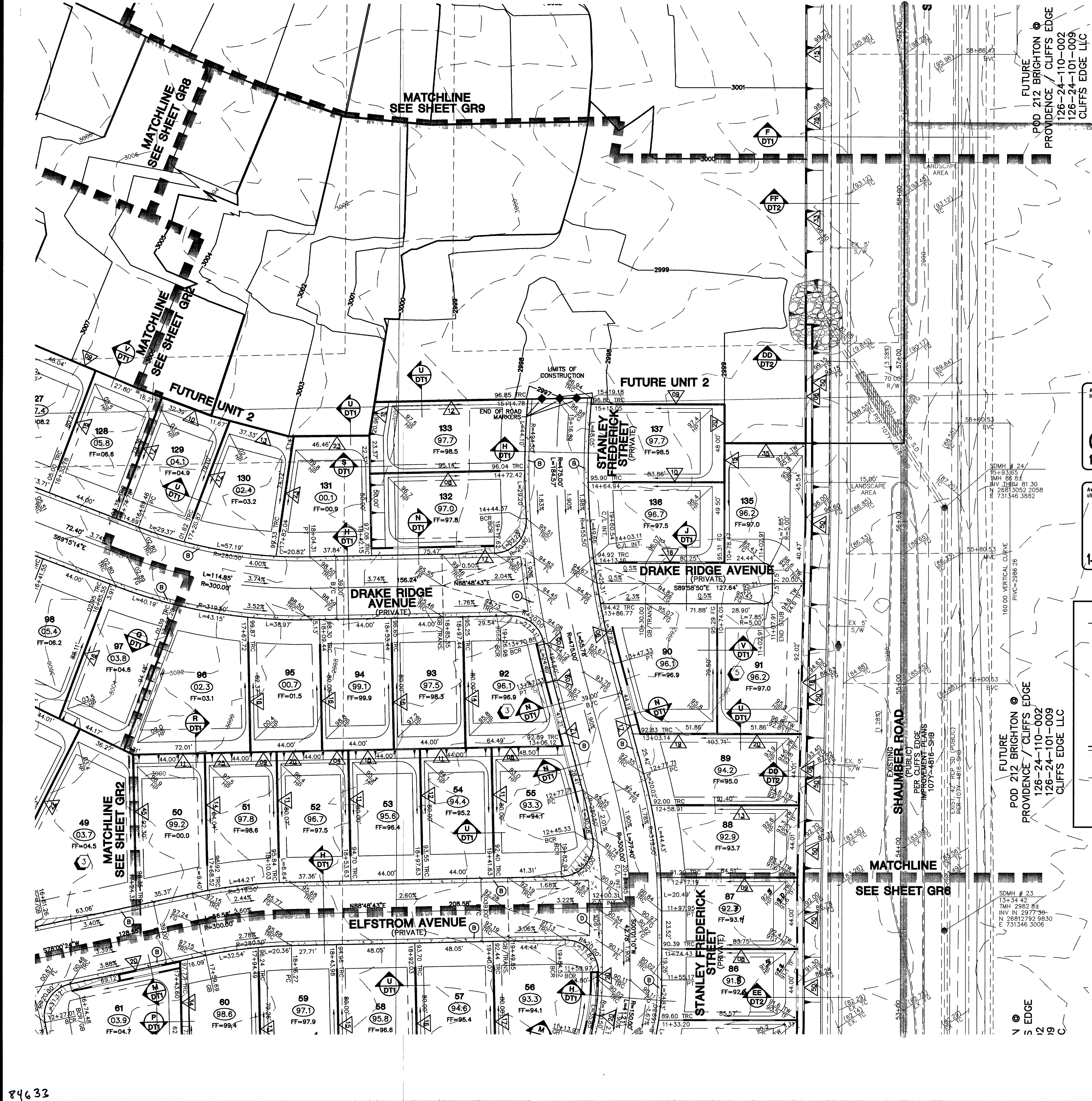




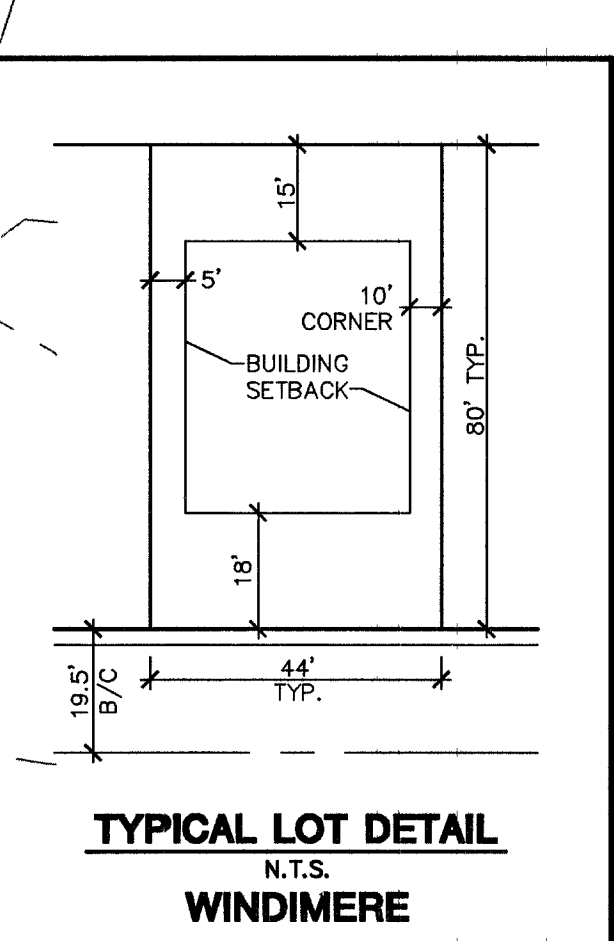
PROJECT BENCHMARK
DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
CITY OF LAS VEGAS BENCHMARK: BLV99:1355S
NAVD88 ELEVATION: 869.606 METERS (2853.03 FEET)
RIVET AND PLATE IN CONCRETE CYLINDER NW CORNER OF HUALAPAI AND ELKHORN
NOTE: WHEN THE SURVEYING FOR THIS PROJECT BEGAN, THE ABOVE REFERENCED BENCHMARK BLV99:1355S WAS NOT PUBLISHED. THE BASIS FOR THE DATUM FOR THIS PROJECT IS SHOWN ON RECORD OF SURVEY FILE 124 PAGE 94, CLARK COUNTY BENCHMARK 1000-896, 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 BLV99:1355S 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°08'18" 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. & PUBLIC SEWER EASEMENTS, & PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED.
2. SEE SHEET DT1 FOR SECTIONS AND DETAILS.

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.

HC RAMP DATA

NO.	A	B	CASE
1	8	8	

CUT = 96,909 C.Y.
FILL = 116,700 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, 053665.
CHRISTOPHER R. GRUBBS
P.E. NO. 13956
CONTRACTOR NOTE:
CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

- 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
 - CONC. 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
 - H.P. HIGH POINT
 - 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
 - INT. INT.
 - D.G. DESIGN GRADE
 - BVC BEGIN VERTICAL CURVE
 - MVC MID-POINT OF VERTICAL CURVE
 - EVC END VERTICAL CURVE
 - PVPC POINT OF 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
 - TOS TOP OF BOX
 - PP POWER POLE
 - TRANS. TRANSITION
 - RET. RETAINMENT
 - INT. INTERSECTION
 - 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

KIMBALL HILL
8 SUNSET WAY, SUITE 101
HENDERSON, NEVADA 89014
(702) 438-4882

WINDIMERE • PROVIDENCE / CLIFFS EDGE
POD 211 - UNIT 1

GRADING PLAN 3

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

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

PROFESSIONAL ENGINEER STATE OF NEVADA
CHRISTOPHER R. GRUBBS
P.E. NO. 13956
EXPIRES 06-30-07

REVISION

NO.	DATE	BY	REVISION
1			
2			
3			
4			
5			
6			
7			