

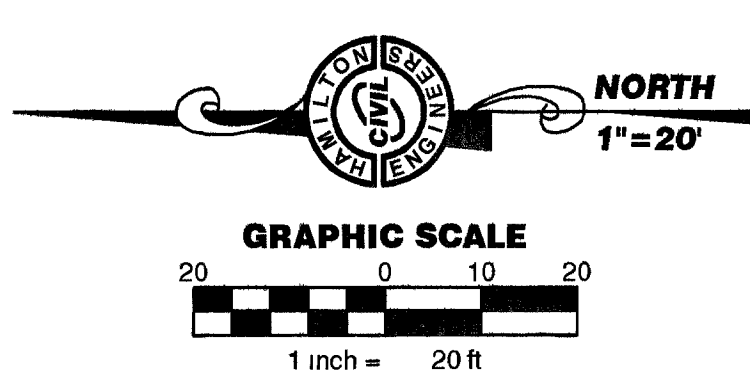
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call before you Dig.
1-800-227-2800
(48 hrs. Advance Notice Required)

AVOID OVERHEAD POWER LINE CONTACT. IT'S COSTLY.
Call before you OVERHEAD
1-702-227-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

DRAINAGE CERTIFICATION:

I HEREBY CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE WITH THE CITY OF LAS VEGAS PUBLIC WORKS FOR THIS PROJECT. CLV DRAINAGE STUDY #DS3759

John R. Hamilton 6/16/05
JOHN R. HAMILTON, P.E., #15732 DATE



HAMILTON CIVIL ENGINEERS UTILITY NOTE

HAMILTON CIVIL ENGINEERS ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.

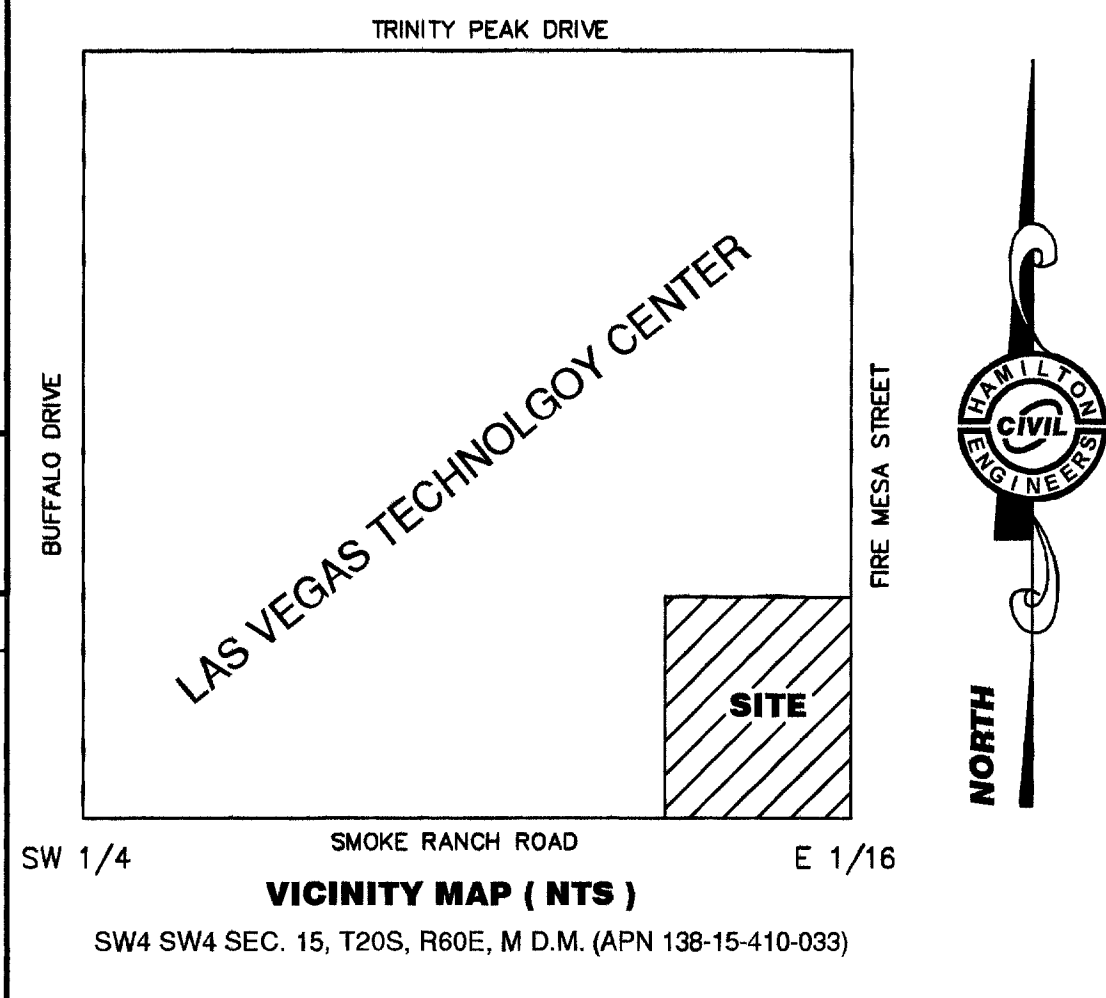
THE CONTRACTOR IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THIS DRAWING AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ENGINEER IMMEDIATELY.

CAUTION TO CONTRACTOR

THE CONTRACTOR SHALL BE RESPONSIBLE TO INVESTIGATE AND VERIFY THE ACTUAL LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND FACILITIES AT LEAST 48 HOURS IN ADVANCE OF THE PERFORMANCE OF ANY WORK.

HAMILTON CIVIL ENGINEERS - SURVEY DISCLOSURE

THIS IS NOT A PROPERTY SURVEY. THIS PLAN IS INTENDED TO BE USED FOR LAYOUT AND GRADING PURPOSES ONLY. LOT LINE DIMENSIONS MAY DIFFER FROM THOSE SHOWN HEREON.



BENCHMARK

B.O.C. = 5LV0015NWS
CITY OF LAS VEGAS PIN AND PLATE TOP OF CURB, SOUTHEAST CORNER CHEYENNE & BUFFALO NEAR THE PC OF CHEYENNE.
NAVD 83 = 721.766 (M) / 2367.99 (FT)

BASIS OF BEARING

S 89°40'51" E BEING THE CENTERLINE OF SMOKE RANCH ROAD AS SHOWN BY MAP THEREON ON FILE IN FILE 79, PAGE 58 OF SURVEYS IN CLARK COUNTY, NEVADA RECORDERS OFFICE AS BEING NORTH 8°00'03" EAST.

FLOOD ZONE

FIRM PANEL # 32003C2135 E, ZONE "X" EFFECTIVE SEPTEMBER 27, 2002.

LEGAL DESCRIPTION

A PORTION OF LOT 1, BLOCK 5 OF LAS VEGAS TECHNOLOGY CENTER RESUBDIVISION, BOOK 47, PAGE 35 OF PLATS ON FILE IN THE COUNTY RECORDERS OFFICE, CLARK COUNTY, NEVADA, BEING A PORTION OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 15, TOWNSHIP 20 SOUTH, RANGE 60 EAST, CLARK COUNTY, NEVADA A.P.N. 138-15-410-033

GEOTECHNICAL / GRADING NOTES

SOILS REPORT PREPARED BY:
OWENS GEOTECHNICAL, INC.
4480 WEST HACIENDA AVENUE, SUITE 104
LAS VEGAS, NEVADA 89118
PH: (702) 873-3478
FAX: (702) 873-2199
PROJECT NO.: E-04-017

- ALL GRADING AND PAVING TO BE COMPLETED IN STRICT ACCORDANCE WITH THE ABOVE REFERENCED SOILS REPORT.
- PAD ELEVATION IS BASED ON 4" (4") INCHES TYPE II OVERLAIN WITH A 6 MIL. VISQUEEN MEMBRANE COVERED WITH TWO (2") INCHES OF SAND ALL UNDER FOUR (6) INCHES CONCRETE. SEE SOILS REPORT FOR ALTERNATIVE.
- AUTOMOBILE PARKING: ASPHALT=2 INCHES, TYPE II=4 INCHES
- MAIN CORRIDOR AND TRUCK ACCESS: ASPHALT=3 INCHES, TYPE II=4 INCHES
- ALL CUT AND FILL SHALL COMPLY WITH SUBMITTED SOILS REPORT.

LEGEND

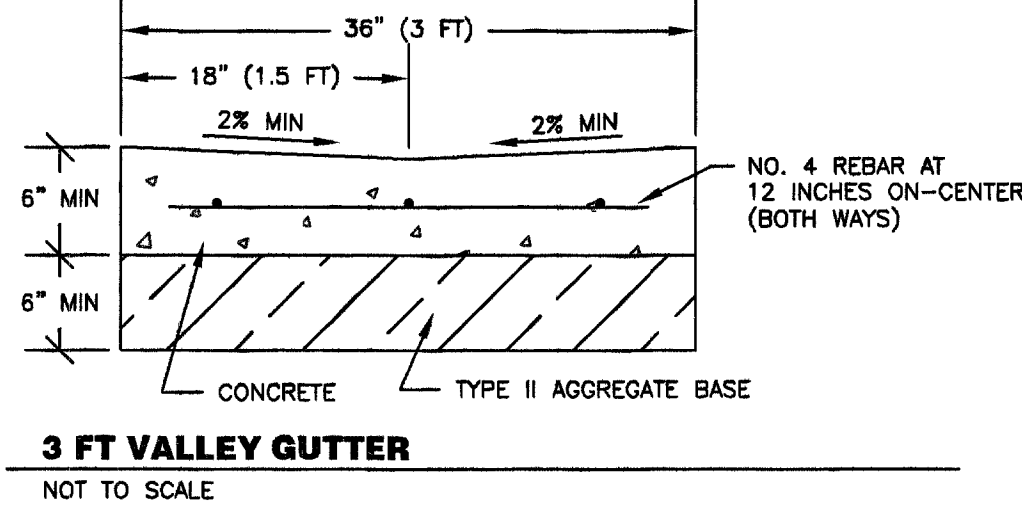
CL	CENTERLINE
PL	PROPERTY LINE
R/W	PUBLIC ROAD RIGHT OF WAY
---	EDGE OF CURB/GUTTER, SIDEWALK, PAVEMENT
BSL	BUILDING SETBACK LINE
---	EX. CHAIN LINK FENCE
---	EX. WALL
---	PROPOSED WALL
---	ASPHALT SAWCUT LINE
---	EXISTING GRADE
---	PROPOSED GRADE
---	NEW AC
---	EXISTING CONTOUR LINES
---	FINISH CONTOUR LINES

AC	ASPHALTIC CONCRETE	PVC	POLYVINYL CHLORIDE
APN	ASSESSOR PARCEL NUMBER	RAC	REBAR AND ALUMINUM CAP
BC	BRASS CAP	RET	RETAINING
BFE	BASE FLOOD ELEVATION	RPC	REBAR AND PLASTIC CAP
BOB	BASIS OF BEARING	SL	STREET LIGHT
CATV	CABLE / TELEVISION	SNWA	SOUTHERN NEVADA WATER AUTHORITY
CB	CABLE BOX	SP	SERVICE POLE
CONC	CONCRETE	SSCO	SANITARY SEWER CLEANOUT
DACSWS	DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTIONS SYSTEMS	SSMH	SANITARY SEWER MANHOLE
DW	DRIVEWAY	STA	STATION
EB	ELECTRIC BOX	SVRZ	SIGHT VISIBILITY RESTRICTION ZONE (SVRZ): NOTHING OVER 24 INCHES IN HEIGHT AS MEASURED FROM TOP OF CURB ALLOWED IN SVRZ EXCEPT TRAFFIC CONTROL DEVICES.
EG	EDGE OF GRAVEL	SWR	SEWER
ELEC	ELECTRIC	TB	TELE-BOX
EM	ELECTRIC METER	TBC	TOP BACK OF CURB
EP	EDGE OF PAVEMENT	TBSW	TOP BACK OF SIDE WALK
ER	EDGE OF ROAD	TELE	TELEPHONE
EX	EXISTING	TF	TRANSFORMER
FF	FINISHED FLOOR	TMH	TOP OF MANHOLE
FG	FINISHED GRADE	TOE	TOE OF SLOPE
FL	FLOW LINE	TP	TOP OF SLOPE
FNCE	FENCE	TR	TELE-RISER
FS	FINISHED SURFACE	TW	TOP OF WALL
GB	GRADE BREAK	TV	TELE-VAULT
HP	HIGH POINT	UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS
HYD/FH	FIRE HYDRANT	USDOCA	UNIFORM STANDARD DRAWINGS (CLARK COUNTY AREA)
ICV	IRRIGATION CONTROL VALVE	VG	VALLEY GUTTER
INV	INVERT	WC	WELL CASING
LF	LINEAR FEET	WT	WATER TANK
LP	LIGHT POLE	WTR	WATER
MAX	MAXIMUM	WM	WATER METER
MIN	MINIMUM	WV	WATER VALVE
NG	NATURAL GROUND		
POC	POINT OF CONNECTION		
NPC	NEVADA POWER CO. METER		
PP	POWER POLE		
PROTN	PROPANE TANK		

CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	TANGENT
C1	39.26'	25.00'	89°58'06"	24.89'

CONSTRUCTION NOTES:

- CONSTRUCT "L" TYPE CURB AND GUTTER PER USDOCA STD DWG #216
- CONSTRUCT "A" TYPE CURB AND GUTTER PER USDOCA STD DWG #219
- CONSTRUCT 3 FT VALLEY GUTTER PER DETAIL ON GRADING PLAN
- CONSTRUCT ZERO FACE CURBING
- CURBING TO BE PAINTED WITH A SUITABLE COAT OF INDUSTRIAL GRADE ENAMEL (SAFETY RED) W/ "FIRE LANE, NO PARKING" AND SIGN.
- REMOVE AND REPLACE EXISTING SIDEWALK PER USDOCA STD DWG #234 (APPROXIMATELY 50 SF)
- PROVIDE 6-INCH "A" TYPE CURBING PER USDOCA STD DWG #219 ALONG THE BACK OF SIDEWALK OF SMOKE RANCH ROAD TO SERVE AS EROSION CONTROL. FLOW DEPTH OF SMOKE RANCH ROAD=0.9 FT.



PRINTED: June 16, 2005
MYLAR SUBMITTAL

CLIENT CONTACT:
DUC DEVELOPMENT
2901 NORTH TENAYA WAY
LAS VEGAS, NV 89128
PH: (702) 856-2124

FULSTONE ENTERPRISES INC.
940 S. MARTIN LUTHER KING BLVD.
LAS VEGAS, NEVADA 89106
PHONE (702) 382-8141
FAX (702) 382-3103
fat@fulstone.lvcxmail.com

HAMILTON CIVIL ENGINEERS
3945 Pebble Creek Avenue
Las Vegas, Nevada 89147
Ph: (702) 580-3658
Fax: (702) 247-4507
John@HamiltonCivilEngineers.com

GRADING PLAN
NAME OF PROJECT: DUC DEVELOPMENT
MEDICAL OFFICE BUILDING
GOVERNING ENTITY: CITY OF LAS VEGAS, NEVADA
ASSESSOR PARCEL NUMBER: 138-15-410-033

1"=20'
HAMILTON CIVIL ENGINEERS
HCE 04-100-011
ENGINEER'S SEAL
JOHN R. HAMILTON
Exp: 06/30/2007
CIVIL
No. 015732
SHEET ID
C3
3 OF 5 SHEETS
GOVERNING ENTITY REF NO.: CIV #7999