

NOTE
LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING, BUT NOT LIMITED TO THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

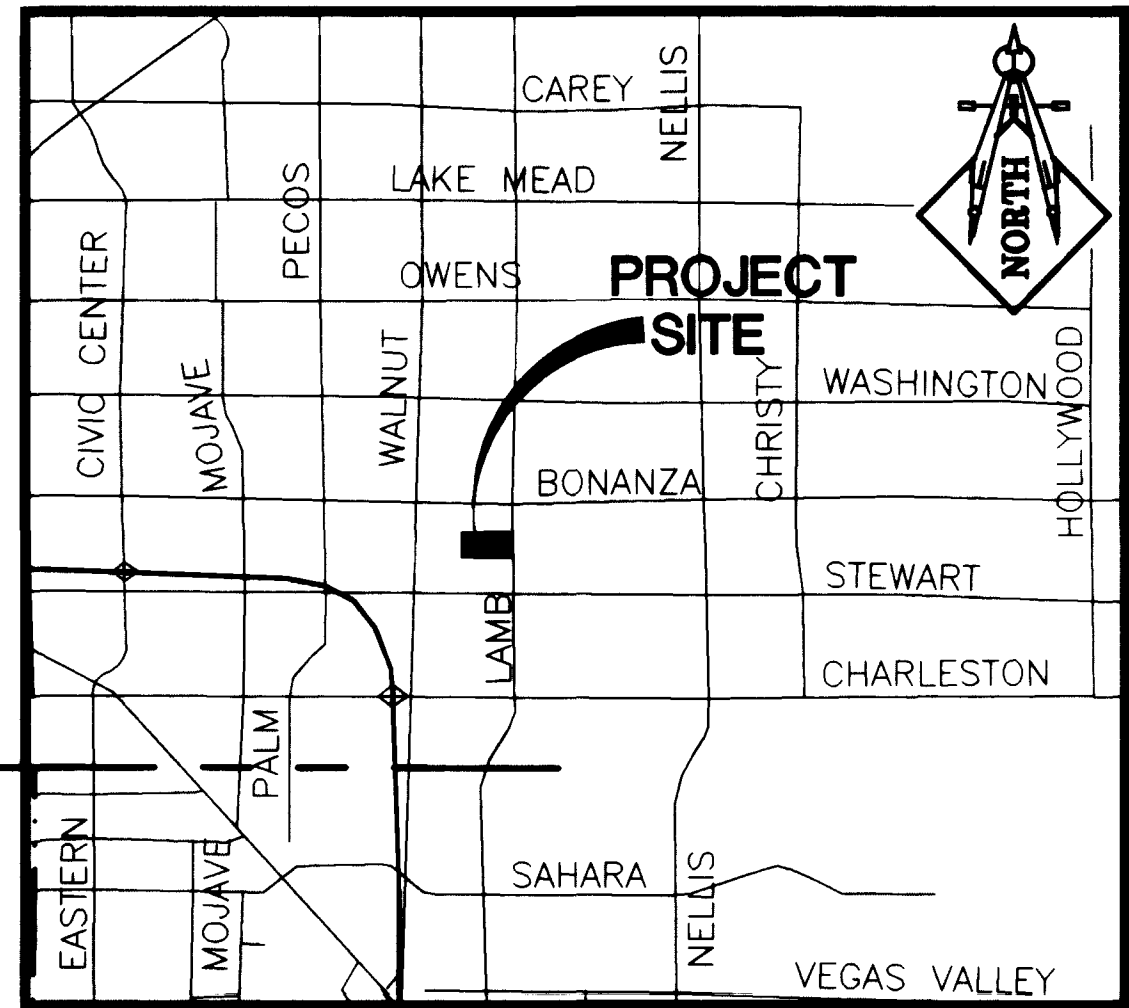
Call before you Dig
1-800-227-2800
NEVADA STATE APT 15.1A
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LEGAL DESCRIPTION
BEING A PORTION OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTH HALF (NORTH 1/2) OF SECTION 31, TOWNSHIP 20 SOUTH, RANGE 62 EAST, M.D.M., CLARK COUNTY NEVADA.
APN. 140-31-601-001

BASIS OF BEARING
N 00° 40' 10" E BEING THE EAST LINE OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 31, TOWNSHIP 20 SOUTH, RANGE 62 EAST, M.D.M., SAID LINE ALSO BEING THE CENTERLINE OF LAMB BOULEVARD AS SHOWN ON ALTA/ACSM SURVEY PRODUCED BY CARTER-BURGESS, SIGNED AND STAMPED BY MARK A. BYRD ON 2-11-99.

BENCHMARK
BM #21, 2LV02 32NWN6, BEING A RIVET AND PLATE IN TOP OF CURB EAST CURB LINE, 1386' NORTH OF STEWART AVE., ACROSS FROM CARPENTERS HALL LOCAL 1780. ELEV: 1771.81' (539.99 M) NAVD83

FLOOD ZONE
PROPERTY LIES WITHIN F.E.M.A. FLOOD ZONE "X". ZONE "X" IS DESCRIBED AS AREA TO BE OUTSIDE 500-YEAR FLOODPLAIN.



VICINITY MAP
GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft

$\Delta = 27'20''14''$
 $R = 455.23$
 $L = 110.71$

EARTHWORK QUANTITIES

1. ESTIMATED EARTHWORK QUANTITIES TO ROUGH GRADE EXCLUDING SHRINKAGE AND SUBSIDENCE ARE AS FOLLOWS:
18,265 C.Y. FILL
10,930 C.Y. CUT
7,335 C.Y. IMPORT
2. THE CONTRACTOR SHALL VERIFY ALL EARTHWORK CALCULATIONS AND BASE ALL BIDS ON HIS OWN CALCULATIONS.

GRADING NOTES

- SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL FABRIC/MATERIAL, UNLESS OTHERWISE SPECIFIED BY LANDSCAPE DRAWINGS AND SPECIFICATIONS OR THE SOILS REPORT.
- CONTRACTOR SHALL DETERMINE HIS OWN FOOTING OR BASEMENT EXCAVATION QUANTITIES, EVEN THOUGH SHOWN ON ROUGH GRADING PLANS. ADDITIONALLY, STRUCTURE BACKFILL COSTS SHOULD BE INCLUDED IN THE COST OF THE STRUCTURE, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL NOTIFY LOCHSA ENGINEERING WITHIN 24 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE. NO PONDING ALLOWED.
- CONTRACTOR TO FOLLOW RECOMMENDATIONS AS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING AND COMPACTION.
- REFER TO LANDSCAPING DRAWINGS FOR PLANTING, IRRIGATION, REMOVAL OF TREES, ETC.

NOTE:

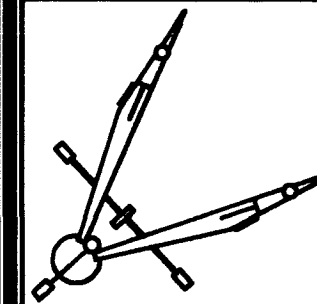
PROPOSED FINISH GRADES FOR MOW STRIP, A.C. PAVEMENT, VALLEY GUTTER, ETC. AROUND PLAYGROUND AREA ARE BASED ON 3-INCH THICK FALL SURFACE, AND ARE TO BE ADJUSTED AS NECESSARY BY THE CONTRACTOR WHEN THE THICKNESS OF THE FALL SURFACE IS VERIFIED. IF THE ADJUSTMENT WOULD CAUSE A TRIP HAZARD SITUATION, DRAINAGE PROBLEM, ETC., CONTRACTOR TO CONTACT OWNER'S REPRESENTATIVE, PROJECT ARCHITECT AND PROJECT ENGINEER PRIOR TO COMMENCEMENT OF WORK. ALSO REFERENCE DETAILS OF PLAY SURFACE, ETC. ON ARCHITECTURAL DRAWING.

I CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT THE CITY OF LAS VEGAS.
Mark A. Byrd 7-7-99
MARK A. BYRD, P.E. NO. 8445 DATE

LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED
RIGHT-OF-WAY	RIGHT-OF-WAY	GRADE BREAK	GRADE BREAK
CENTERLINE	CENTERLINE	WIRE FENCE	WIRE FENCE
WATER LINE	WATER LINE	SAWTOOTH LINE	SAWTOOTH LINE
SANITARY SEWER LINE	SANITARY SEWER LINE	FINISH FLOOR	FINISH FLOOR
GAS LINE	GAS LINE	CLEANOUT INVERT ELEV.	CLEANOUT INVERT ELEV.
STORM DRAIN	STORM DRAIN	FLOW LINE	FLOW LINE
POWER LINE/POWER POLE	POWER LINE/POWER POLE	FINISH GRADE	FINISH GRADE
TELEPHONE LINE	TELEPHONE LINE	TOP OF CURB	TOP OF CURB
FIRE HYDRANT	FIRE HYDRANT	TOP OF FALL SURFACE	TOP OF FALL SURFACE
WATER VALVE	WATER VALVE	TOP OF WALL	TOP OF WALL
METERS/PULL BOXES	METERS/PULL BOXES	GATE	GATE
REDUCER	REDUCER	SIGN	SIGN
MANHOLE	MANHOLE		
CLEANOUT	CLEANOUT		
CONTOUR	CONTOUR		
A.C. PAVING	A.C. PAVING		
TYPE "A" CURB & GUTTER	TYPE "A" CURB & GUTTER		
TYPE "B" CURB	TYPE "B" CURB		
CONCRETE	CONCRETE		
RETAINING WALL	RETAINING WALL		
CHAIN LINK FENCE	CHAIN LINK FENCE		
		100 W.H.P.S.	100 W.H.P.S.
		150 W.H.P.S.	150 W.H.P.S.
		200 W.H.P.S.	200 W.H.P.S.
		250 W.H.P.S.	250 W.H.P.S.

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GRADING PLAN 1
WILLIAM K. MOORE
ELEMENTARY SCHOOL

LEGEND
DRAWN BY: J.M.B. 9/1/99
DESIGNED BY: J.M.B. 9/1/99
CHECKED BY: J.M.B. 9/1/99
PROJECT NO.: 6121
SHEET: C3.01
6 OF 15 SHEETS
DRAWING NO.: 715-121

