



LEGEND

---	PROPERTY LINE
---	STREET CENTER LINE
---	ROW LINE
---	EDGE OF EXISTING PAVEMENT
---	EXISTING BUILDING
---	PROPOSED BUILDING
---	EXISTING CURB AND GUTTER
---	PROPOSED CURB AND GUTTER
---	EXISTING SIDEWALK
---	PROPOSED CMU SCREEN/RETAINING WALL
---	EXISTING CMU SCREEN/RETAINING WALL
---	PROPOSED 2' ONSITE AC OVER 4" TYPE II AB

CONSTRUCTION NOTES:

1. CONSTRUCT 'L' TYPE CURB & GUTTER PER CCAUSD# 216
2. CONSTRUCT ONSITE 'A' CURB PER DETAIL ON SHEET D1
3. INSTALL 2" ASPHALTIC PAVEMENT OVER 4" TYPE II AGGREGATE BASE
4. CONSTRUCT 4" THICK CONCRETE SIDEWALK PER CCAUSD# 234
5. CONSTRUCT SIDEWALK RAMP, CASE I, PER CCAUSD# 235
6. CONSTRUCT 18"X6" CONCRETE FLUME PER DETAIL ON SHEET D1
7. CONSTRUCT 8" CONCRETE CROSS GUTTER PER CCAUSD# 228
8. CONSTRUCT ZERO FACE 'A' CURB PER DETAIL ON SHEET D1
9. CONSTRUCT 2' MIN-4' MAX HEIGHT RETAINING WALL PER CLV STANDARDS
10. SCARP TO MATCH TO EXISTING GRADE 3:1 MAX SLOPE
11. SAWCUT AND MATCH EXISTING AC @ PL
12. CONSTRUCT BLOCK WALL OPENING PER DETAIL ON SHEET D1
13. CONSTRUCT 2" CONCRETE FLUME PER DETAIL ON SHEET D1
14. INSTALL PRE-CAST BUMPER BLOCKS PER CCAUSD# 238
15. CONSTRUCT RIP-RAP PAD. D50=6", THICKNESS =12"
16. REMOVE 43 LF OF EXISTING "L" CURB AND SIDEWALK.
17. CONSTRUCT 6" CURB CUT PER DETAIL SHEET D1
18. INSTALL 18"X8" TRENCH DRAIN W/ NEENAH FOUNDRARY GRATE R-4990-FX PER DETAIL SHEET D1

ENGINEER'S CERTIFICATION

I, JEREMY MCCAY, HEREBY CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY ON FILE WITH THE CITY OF LAS VEGAS.

Jeremy McCay 2/24/04
 JEREMY MCCAY, P.E. DATE

NOTE:
 ALL HANDICAP ACCESS ROUTES ARE AT A MAXIMUM OF 5% DOWNSLOPE AND 2% CROSS SLOPE & 2% IN DIRECTION CHANGE.

SOILS REPORT

THE SOILS REPORT FOR THIS PROJECT IS REFERENCED AS "GEO TECHNICAL ENGINEERING REPORT FOR THE SMOKE RANCH BUSINESS CENTER" BY BUENA ENGINEERS, INC. (PROJECT NO. 98-368), DATED MAY 15, 1998.

EARTHWORK QUANTITIES

NOTE: THESE QUANTITIES ARE APPROXIMATE AND AREA RAW VOLUMES ONLY. OVER EXCAVATION, SUBSIDENCE, SHRINKAGE, SHRINKAGE AND BULKING FACTORS, ARE NOT INCLUDED AS PART OF THESE EARTHWORK QUANTITIES.

CUT	30	CUBIC YARD
FILL	500	CUBIC YARD
NET	470	CUBIC YARD (IMPORT)

UTILITY NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Avoid cutting underground utility lines. It's costly.
 Call before you dig
 1-800-227-2600
 UNDERGROUND SERVICE USA

Avoid hitting overhead power lines. It's costly.
 CALL BEFORE YOU DIG OVERHEAD
 CALL 1-702-593-6111

Avoid hitting underground traffic signal systems and street light system conduits. It's costly.
 CALL BEFORE YOU DIG UNDERGROUND
 Call before you dig UnderGround

LEGAL DESCRIPTION

A PARCEL OF LAND BEING A PORTION OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 15, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.B.&M., A PORTION OF LOT 1 IN BLOCK 3, A RESUBDIVISION OF THE LAS VEGAS TECHNOLOGY CENTER AS SHOWN BY MAP THEREOF ON FILE IN BOOK 47 OF PLATS, PAGE 35.

BASIS OF BEARING

THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 15, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.B.&M., EAS TAKEN AS NORTH 89°40'38" WEST PER PLAT OF THE LAS VEGAS TECHNOLOGY CENTER, BOOK 47 OF PLATS, PAGE 35.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK NO. 0LV001554 RIVET & PLATE IN THE TOP OF CURB, NORTHEAST RETURN OF SMOKE RANCH ROAD AND TENAYA WAY.
 ELEVATION = 721.3492 METERS (2366.63 U.S. SURVEY FEET) NAVD88 DATUM
 METERS X (1/0.3048) = U.S. SURVEY FEET
 1. THE ELEVATIONS SHOWN HEREON ARE BASED ON FEET.
 2. CONVERSION TO THE 2002 PUBLISHED BENCHMARK TABLE 15 MINUS 0.08 FEET (-0.08').

PROJECT	DATE	BY	REVISION
SCALE: NONE			
PORTABLE MEDICAL IMAGING 5421 IRISH SPRING STREET LAS VEGAS, NEVADA 89149 TEL (702) 839-1133			
WRIGHT CIVIL ENGINEERS, INC. 7425 PEAK DRIVE LAS VEGAS, NEVADA 89128 TEL (702) 933-7000 FAX (702) 933-7001 CIVIL STRUCTURAL LAND SURVEYING MEP			
WRIGHT ENGINEERS			
GRADING & PAVING PLAN			
SMOKE RANCH CORPORATE CENTER BUILDING D			
DRAWN BY:	10/13/03	SHEET	
DESIGNED BY:	10/13/03	TITLE	
CHECKED BY:	2/24/04	SCALE:	
PROJECT NO.:	CN2319801	1"=20'	
SHEET			
G1			
4 OF 6 SHEETS			
DRAWING NO. 107V3579-2			