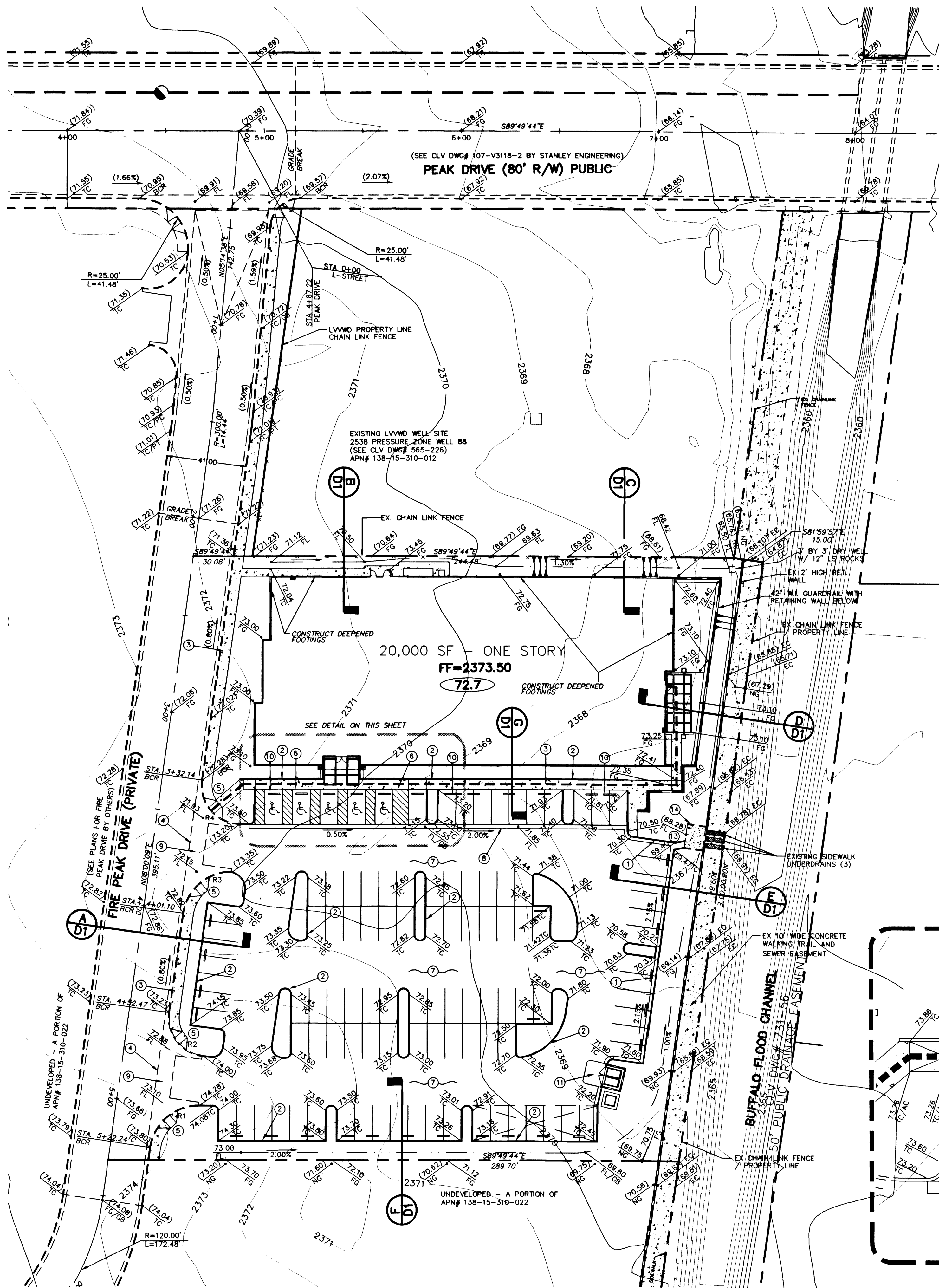




ENGINEER'S NOTE

I, STEPHEN CREVOISERAT, HEREBY CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS.

STEPHEN CREVOISERAT, P.E. 13689 DATE 09-11-02
EXP 01-01-03

NOTE

QUANTITIES SHOWN ARE FOR PERMIT PURPOSES ONLY. CONTRACTORS SHALL BE RESPONSIBLE FOR HIS OWN ESTIMATE FOR BIDDING AND SHALL BID A COMPLETE JOB. CONTRACTOR SHALL ADVISE OWNER AND ENGINEER OF ANY DISCREPANCIES IN ESTIMATE.

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	128 CUBIC YARD
FILL	3331 CUBIC YARD
NET	3203 CUBIC YARD (IMPORT)

NOTE

HANDICAP ROUTE NOT TO EXCEED 5% LONGITUDINAL AND 2% LATITUDINAL

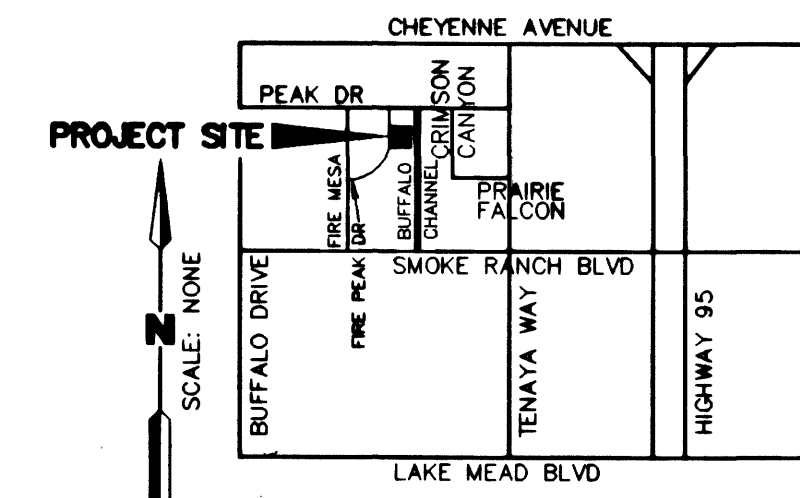
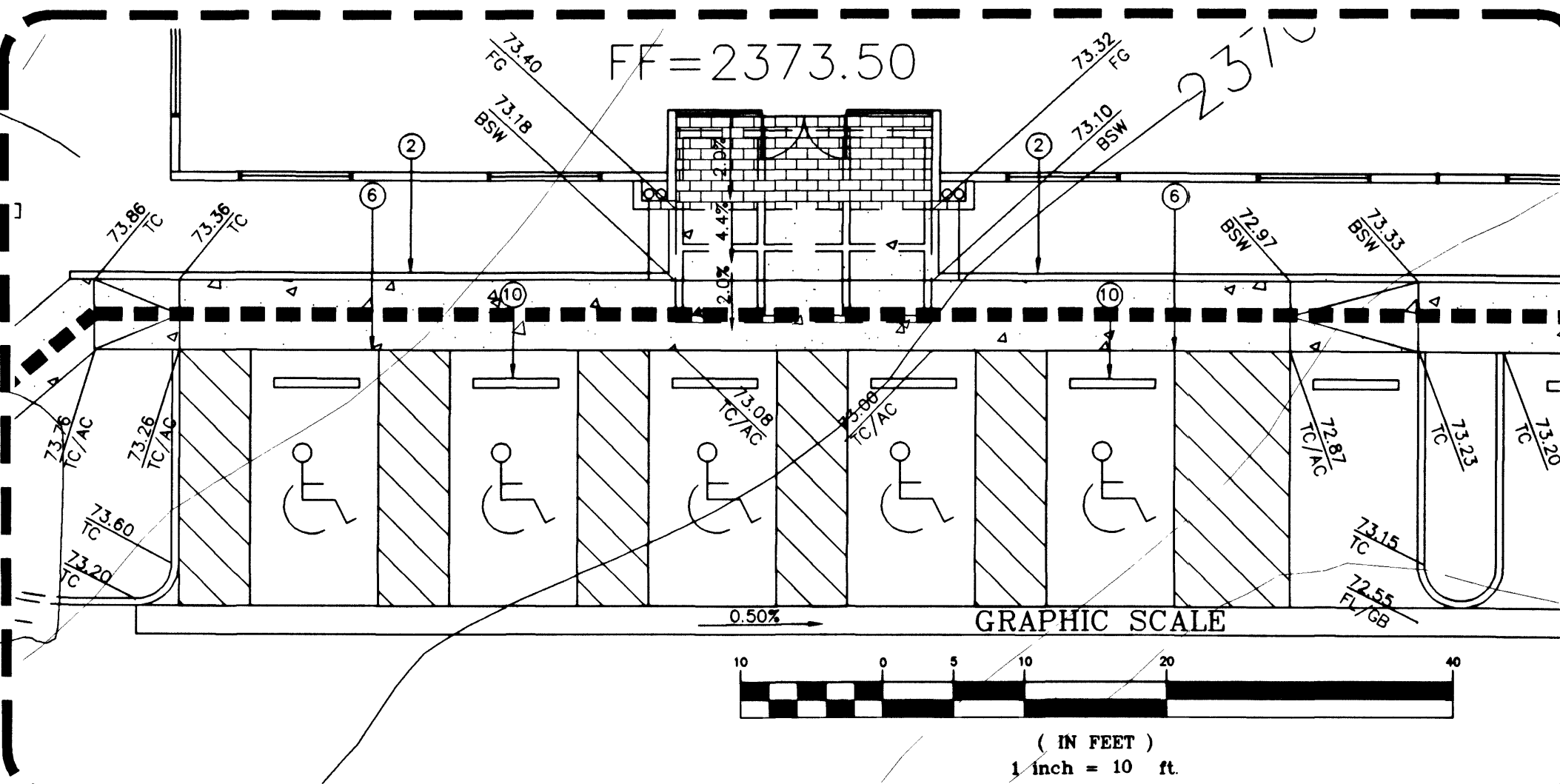
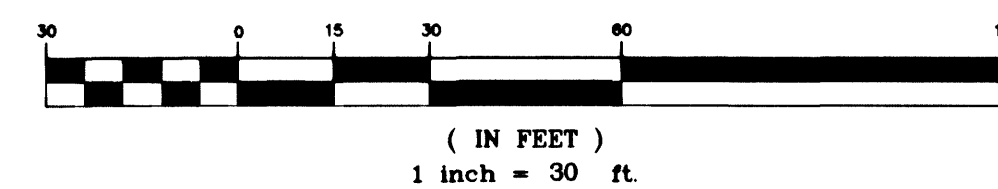
HANDICAP RAMP SLOPE INFORMATION

RAMP (R) #	A	B
R1	8.0'	8.0'
R2	4.5'	12.0'
R3	4.5'	9.5'
R4	4.5'	15.0'

GEOTECHNICAL

SEE GEOTECHNICAL REPORT BY OWENS GEOTECHNICAL, INC FOR LOT L-6 OFFICE BUILDING FOR THOMAS & MACK DEVELOPMENT DATED 05-10-02, PROJECT # E-02-078

GRAPHIC SCALE



VICINITY MAP

BENCHMARK

CITY OF LAS VEGAS BENCHMARK NO. 01V00 16E4 RIVET & PLATE IN THE TOP OF CURB ON BUFFALO DRIVE, 2660 FEET NORTH OF REGATTA DRIVE, WEST CURB LINE.

ELEVATION = 729.1763 METERS (2392.3059 U.S. SURVEY FEET) NAVD 88 DATUM
METERS X (3937 / 1200) = U.S. SURVEY FEET

1. THE ELEVATIONS SHOWN HEREON ARE BASED ON FEET.

BASIS OF BEARINGS

THE WEST LINE OF THE SOUTHWEST ONE-QUARTER (SW 1/4) OF THE SOUTHWEST ONE-QUARTER (SW 1/4) OF SECTION 15, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., BEING THE CENTERLINE OF BUFFALO DRIVE, WHICH BEARS NORTH 00°20'58" EAST AS SHOWN ON THE PLAT OF THE LAS VEGAS TECHNOLOGY CENTER, BOOK 47, PAGE 35 OF PLATS, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA.

LEGEND

---	RIGHT OF WAY
---	PROPERTY LINE
---	STREET CENTER LINE
---	EXISTING BUILDING
---	PROPOSED BUILDING
---	EXISTING CURB & GUTTER
---	PROPOSED CURB & GUTTER
---	EXISTING EDGE OF A.C. PAVEMENT
---	SECTION / DETAIL SYMBOL
---	EXISTING CONTOUR LINE
---	PROPOSED 1' CONTOUR
---	PROPOSED 5' CONTOUR
---	HINGE LINE
---	CONSTRUCTION NOTE
---	SLOPE & DIRECTION OF SLOPE
---	PROPOSED ELEVATION
---	EXISTING ELEVATION
---	FUTURE ELEVATION
---	EXISTING SCREEN WALL
---	BUMPER BLOCK
---	EXISTING FENCE
---	PROPOSED IRON FENCE W/ PYLARS
---	LANDSCAPING
---	FLOWLINE (0.5% MIN)
---	8.3% RAMP TRANSITION
---	HANDICAP ACCESS ROUTE
---	EDGE OF EXISTING CONCRETE

CONSTRUCTION NOTES

1. CONSTRUCT 24" "L" TYPE CURB & GUTTER PER UNIFORM STANDARD DRAWING NO. 216.
2. CONSTRUCT "A" TYPE CURB PER UNIFORM STANDARD DRAWING NO. 219.
3. CONSTRUCT CONCRETE SIDEWALK PER UNIFORM STANDARD DRAWING NO. 234.
4. REMOVE EXISTING CURB AND GUTTER
5. CONSTRUCT SIDEWALK RAMP (CASE 1) PER UNIFORM STANDARD DRAWING NO. 235.
6. CONSTRUCT "O" CURB FACE AS INDICATED
7. CONSTRUCT 2" A.C. PAVEMENT OVER 4" TYPE II GRAVE BASE.
8. CONSTRUCT 2" WIDE CONCRETE VALLEY GUTTER - SEE DETAIL ON SHEET D1.
9. CONSTRUCT 8" WIDE VALLEY GUTTER PER UNIFORM STANDARD DRAWING NO. 228
10. INSTALL CONCRETE WHEEL STOPS - SEE ARCHITECTS DRWS.
11. CONSTRUCT TRASH ENCLOSURE - SEE ARCHITECTS DRWS.
12. CONSTRUCT UNDERSIDEWALK DRAIN PER UNIFORM STANDARD DRAWING NO. 236 - SEE DETAIL ON SHEET D1.
13. CONSTRUCT 3" WIDE CONCRETE FLUME
14. EXISTING 12" WIDE CONCRETE DRAINAGE FLUME

Call before you Dig.

1-800-227-2600

NEVADA POWER SHEDDING AND SAFETY SERVICE DEPARTMENT

Call before you OVERHEAD

1-702-593-6111

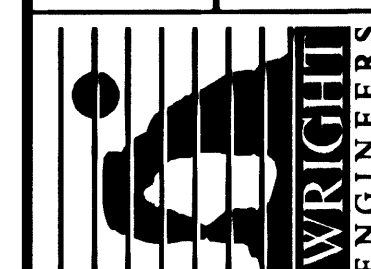
NEVADA POWER SHEDDING AND SAFETY SERVICE DEPARTMENT

DISCLAIMER NOTE

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDI GROUND 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. ALL DISCREPANCIES MUST BE IMMEDIATELY REPORTED TO THE ENGINEER. CALL BEFORE YOU DIG: 1-800-227-2600.

THOMAS & MACK GROUP
7181 AMIGO STREET, SUITE 100
LAS VEGAS, NEVADA 89119
(702) 260-1008 FAX (702) 896-7077

WRIGHT CIVIL ENGINEERS, INC
7310 SMOKE RANCH ROAD, SUITE P
LAS VEGAS, NEVADA 89119
TEL (702) 233-6400 FAX (702) 233-1164



GRADING PLAN

WRIGHT WORLD HEADQUARTERS
AT THE
LAS VEGAS TECH CENTER II

SHEET	5-15-02	DESIGNED BY:	05-15-02	CHECKED BY:	08-09-02	PROJECT NO:	CN2215501	SCALE:	1"=30'
DRAWN BY:	SFC	DESIGNED BY:	SFC	CHECKED BY:	SFC	PROJECT NO:	CN2215501	SCALE:	1"=30'
EXP 01-01-03 STEPHEN F. CREVOISERAT P.E. 13689 09-11-02									
SHEET G1 5 OF 7 SHEETS DRAWING NO. 107-V-3620									